

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040119\
 Data File : VD061489.D
 Acq On : 2 Apr 2019 2:08
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/2/2019 11:39:18 AM

Quant Time: Apr 02 07:18:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	595134	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.20	114	989627	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.36	117	798096	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	364783	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	284110	55.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.76%	
35) Dibromofluoromethane	6.91	113	430611	56.94	ug/l	0.01
Spiked Amount	50.000		Recovery	=	113.88%	
50) Toluene-d8	10.40	98	969815	53.47	ug/l	0.01
Spiked Amount	50.000		Recovery	=	106.94%	
62) 4-Bromofluorobenzene	13.55	95	399151	57.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.78%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.58	85	309150	48.641	ug/l	97
3) Chloromethane	1.76	50	218820	42.215	ug/l	96
4) Vinyl Chloride	1.85	62	207559	43.611	ug/l	99
5) Bromomethane	2.16	94	52145	55.252	ug/l	96
6) Chloroethane	2.27	64	76253	54.634	ug/l	93
7) Trichlorofluoromethane	2.53	101	344758	49.815	ug/l	96
8) Diethyl Ether	2.87	74	100582	45.139	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.14	101	359806	48.359	ug/l	93
10) Methyl Iodide	3.30	142	497504	44.400	ug/l	96
11) Tert butyl alcohol	4.06	59	86810	274.188	ug/l	97
12) 1,1-Dichloroethene	3.12	96	301711	47.231	ug/l	99
13) Acrolein	3.04	56	56221	231.353	ug/l	100
14) Allyl chloride	3.62	41	458873	51.502	ug/l	98
15) Acrylonitrile	4.19	53	282590	257.161	ug/l	94
16) Acetone	3.21	43	294247	225.150	ug/l	91
17) Carbon Disulfide	3.37	76	856977	41.291	ug/l	99
18) Methyl Acetate	3.64	43	148211	53.938	ug/l	98
19) Methyl tert-butyl Ether	4.23	73	586477	53.038	ug/l	98
20) Methylene Chloride	3.80	84	372249	50.879	ug/l	95
21) trans-1,2-Dichloroethene	4.22	96	330790	47.964	ug/l	94
22) Diisopropyl ether	5.10	45	1036532	54.976	ug/l	96
23) Vinyl Acetate	5.04	43	2687997	262.459	ug/l	97
24) 1,1-Dichloroethane	4.97	63	580863	52.422	ug/l	99
25) 2-Butanone	6.06	43	400634	243.701	ug/l	98
26) 2,2-Dichloropropane	6.01	77	441803	50.157	ug/l	99
27) cis-1,2-Dichloroethene	6.03	96	389914	51.602	ug/l	97
28) Bromochloromethane	6.42	49	217619	48.653	ug/l #	95
29) Tetrahydrofuran	6.44	42	201217	252.526	ug/l	98
30) Chloroform	6.65	83	634159	55.389	ug/l	98
31) Cyclohexane	6.94	56	419849	47.949	ug/l	99
32) 1,1,1-Trichloroethane	6.86	97	537992	53.263	ug/l	96
36) 1,1-Dichloropropene	7.13	75	418618	48.467	ug/l	96
37) Ethyl Acetate	6.17	43	214078	57.954	ug/l	99
38) Carbon Tetrachloride	7.10	117	518757m	52.268	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.84	83	437647	48.651	ug/l	98
40) Benzene	7.45	78	1096669	50.591	ug/l	97
41) Methacrylonitrile	6.42	41	229921	53.234	ug/l #	93
42) 1,2-Dichloroethane	7.56	62	365133	56.312	ug/l	96
43) Isopropyl Acetate	9.23	43	300578	55.926	ug/l	100
44) Trichloroethene	8.53	130	404963	50.200	ug/l	96
45) 1,2-Dichloropropane	8.92	63	293045	53.313	ug/l	99
46) Dibromomethane	9.05	93	213109	57.602	ug/l	97
47) Bromodichloromethane	9.37	83	498781	60.067	ug/l	99
48) Methyl methacrylate	9.11	41	165540	55.809	ug/l	98
49) 1,4-Dioxane	9.06	88	37748	1153.785	ug/l	95
51) 4-Methyl-2-Pentanone	10.29	43	935028	285.953	ug/l	98
52) Toluene	10.50	92	680874	51.485	ug/l	98
53) t-1,3-Dichloropropene	10.90	75	409173	54.236	ug/l	99
54) cis-1,3-Dichloropropene	10.02	75	503901	54.853	ug/l	97
55) 1,1,2-Trichloroethane	11.18	97	259118	56.026	ug/l	99
56) Ethyl methacrylate	11.03	69	258592	52.047	ug/l	94
57) 1,3-Dichloropropane	11.39	76	375118	55.182	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.85	63	692359	286.146	ug/l	96
59) 2-Hexanone	11.52	43	668862	282.326	ug/l	98
60) Dibromochloromethane	11.67	129	395028	55.405	ug/l	99
61) 1,2-Dibromoethane	11.80	107	279671	52.222	ug/l	94
64) Tetrachloroethene	11.25	164	312487	49.889	ug/l	97
65) Chlorobenzene	12.39	112	905168	55.496	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	358951	56.839	ug/l	99
67) Ethyl Benzene	12.52	91	1366286	54.880	ug/l	98
68) m/p-Xylenes	12.66	106	893922	94.790	ug/l	92
69) o-Xylene	13.04	106	506867	55.385	ug/l	97
70) Styrene	13.07	104	886937	55.596	ug/l	98
71) Bromoform	13.22	173	222844	55.666	ug/l	96
73) Isopropylbenzene	13.39	105	1236999	48.723	ug/l	98
74) N-amyl acetate	13.25	43	356311	50.380	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.69	83	287511	53.683	ug/l	98
76) 1,2,3-Trichloropropane	13.73	75	279281	53.001	ug/l	99
77) Bromobenzene	13.66	156	393578	52.291	ug/l	95
78) n-propylbenzene	13.77	91	1387340	44.653	ug/l	97
79) 2-Chlorotoluene	13.83	91	887682	52.619	ug/l	99
80) 1,3,5-Trimethylbenzene	13.92	105	1027345	52.153	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.46	75	89022	55.409	ug/l	93
82) 4-Chlorotoluene	13.94	91	1012154	55.178	ug/l	98
83) tert-Butylbenzene	14.18	119	1288272	52.331	ug/l	99
84) 1,2,4-Trimethylbenzene	14.23	105	1034890	48.527	ug/l	99
85) sec-Butylbenzene	14.36	105	1284040	49.098	ug/l	100
86) p-Isopropyltoluene	14.48	119	1085520	49.086	ug/l	100
87) 1,3-Dichlorobenzene	14.45	146	644601	50.574	ug/l	99
88) 1,4-Dichlorobenzene	14.53	146	642599	51.700	ug/l	100
89) n-Butylbenzene	14.79	91	1012134	49.865	ug/l	98
90) Hexachloroethane	15.00	117	325188	52.050	ug/l	73
91) 1,2-Dichlorobenzene	14.80	146	538488	51.508	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.37	75	37694	60.009	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	259006	54.386	ug/l	99
94) Hexachlorobutadiene	16.03	225	202961	54.538	ug/l	96
95) Naphthalene	16.12	128	435877	60.045	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	127251	60.721	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

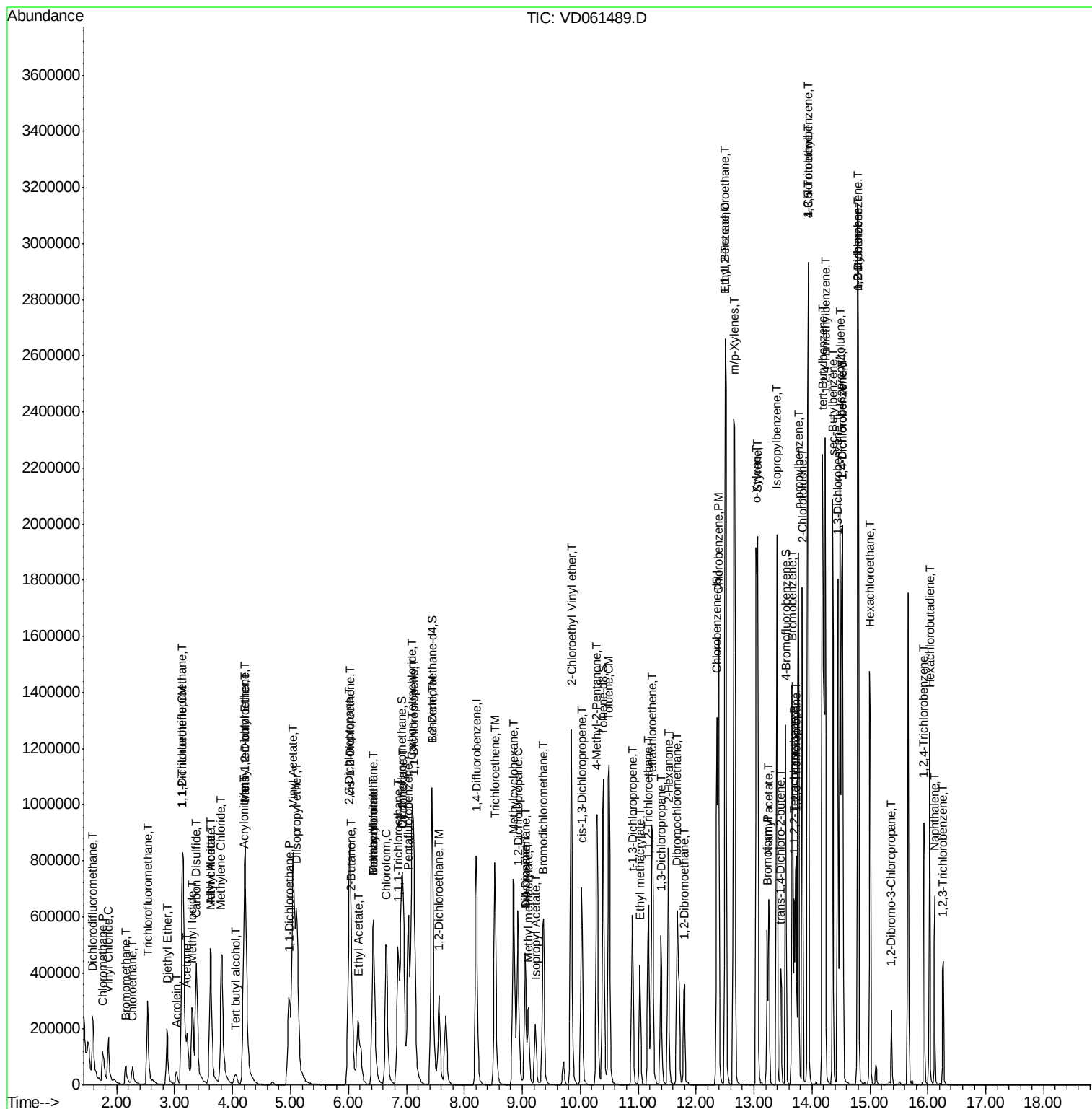
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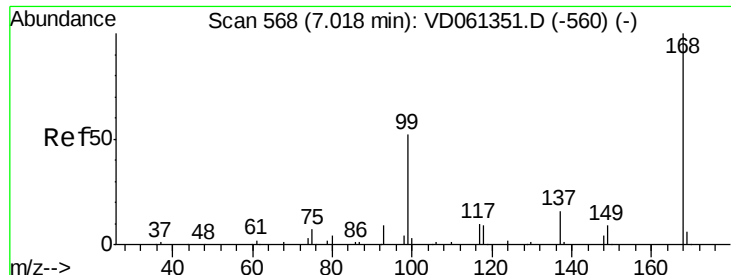
Instrument :
MSVOA_D
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Manual Integrations APPROVED

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 570

Delta R.T. 0.01 min

Lab File: VD061489.D

Acq: 2 Apr 2019 2:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 595134

Ion Ratio Lower Upper

168 100

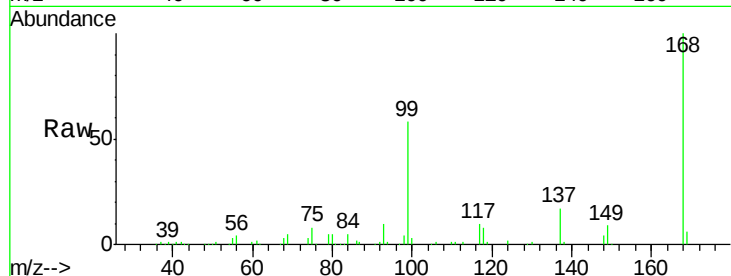
99 57.6 43.1 64.7

Manual Integrations

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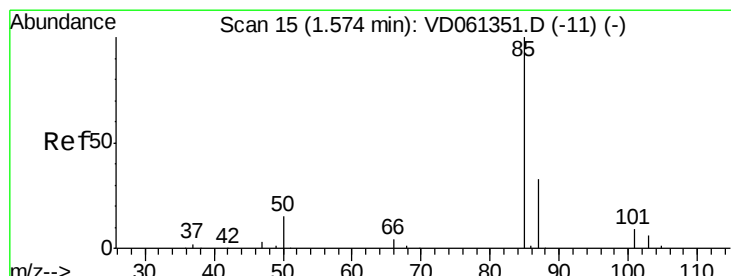
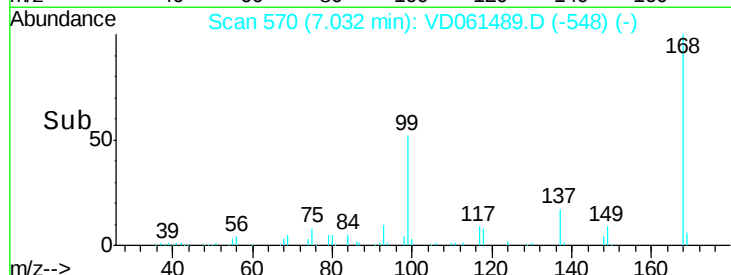
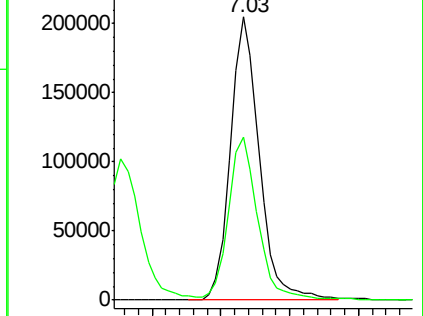
MMDadoda

4/2/2019 11:39:18 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 48.641 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.00 min

Lab File: VD061489.D

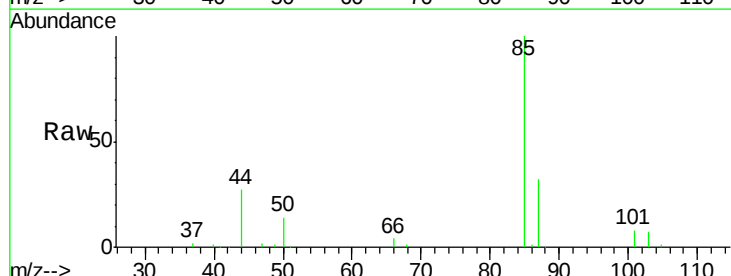
Acq: 2 Apr 2019 2:08

Tgt Ion: 85 Resp: 309150

Ion Ratio Lower Upper

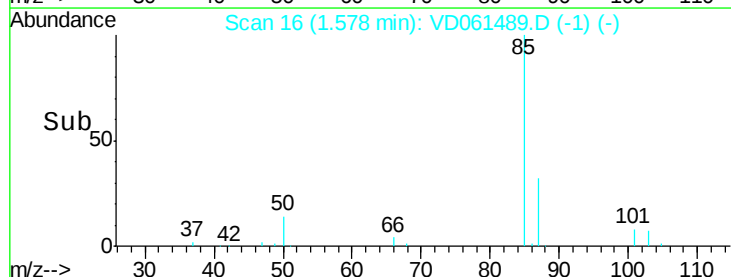
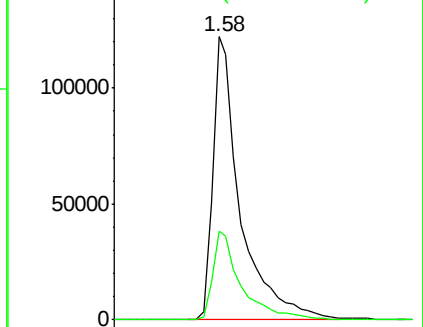
85 100

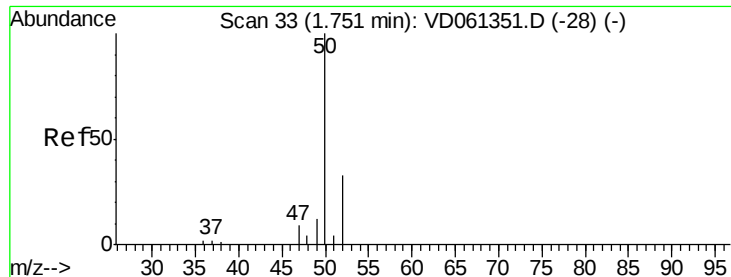
87 31.5 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 42.215 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.00 min

Lab File: VD061489.D

Acq: 2 Apr 2019 2:08

Tot Ion: 50 Resp: 218820

Ion Ratio Lower Upper

50 100

52 34.7 26.1 39.1

Instrument :

MSVOA_D

ClientSampleId :

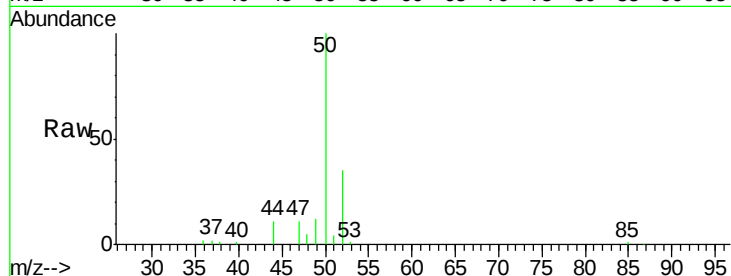
VSTDCCC050

Manual Integrations

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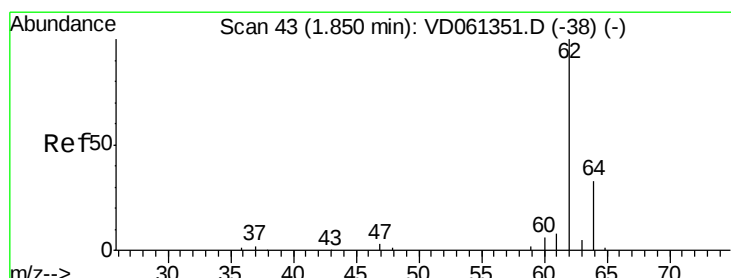
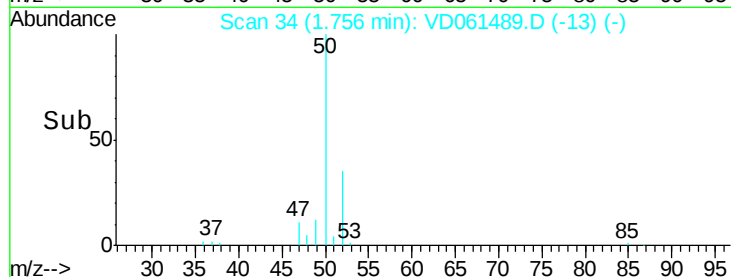
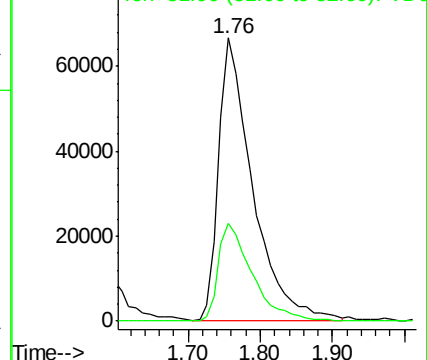
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 43.611 ug/l

RT: 1.85 min Scan# 44

Delta R.T. 0.00 min

Lab File: VD061489.D

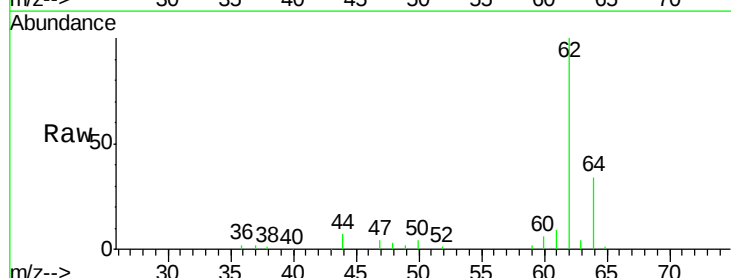
Acq: 2 Apr 2019 2:08

Tgt Ion: 62 Resp: 207559

Ion Ratio Lower Upper

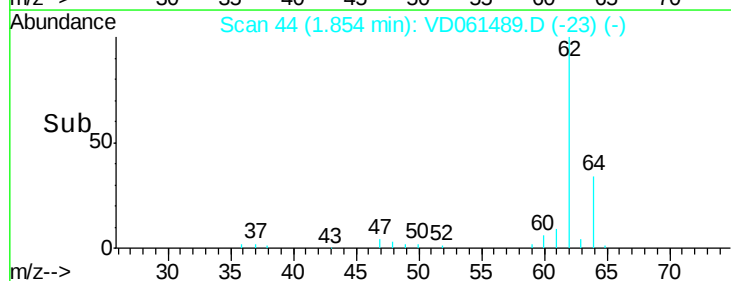
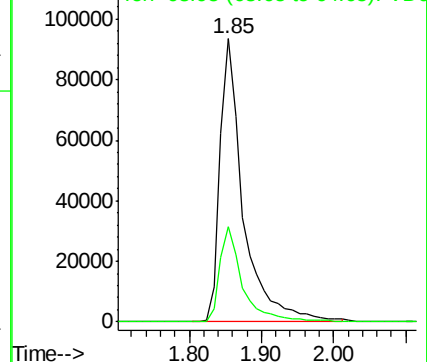
62 100

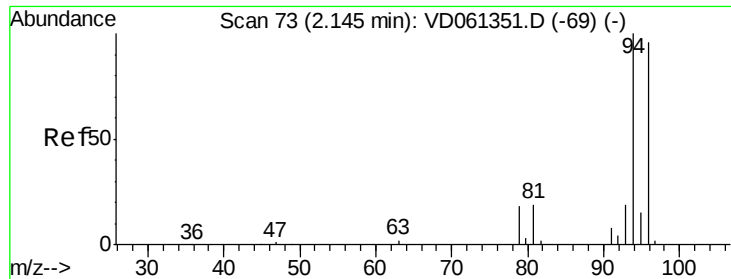
64 33.8 26.6 39.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 55.252 ug/l

RT: 2.16 min Scan# 75

Delta R.T. 0.01 min

Lab File: VD061489.D

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MSVOA_D

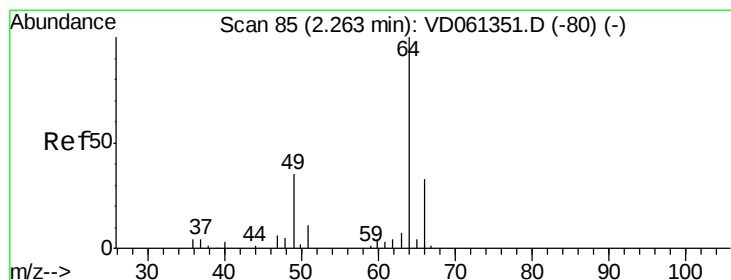
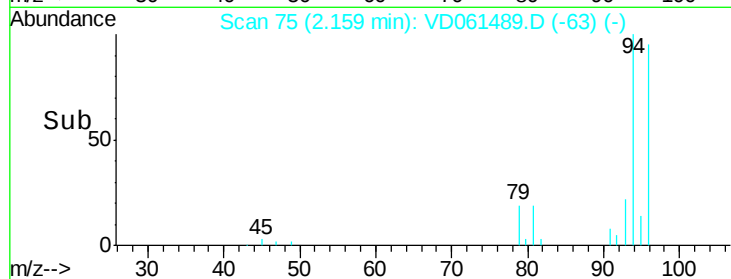
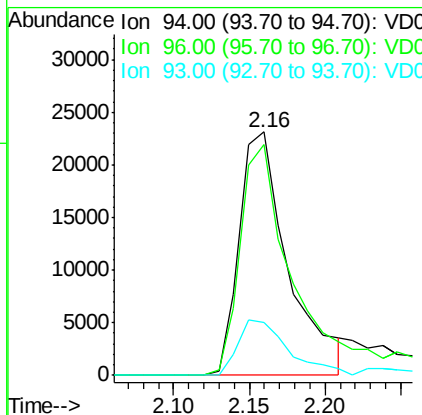
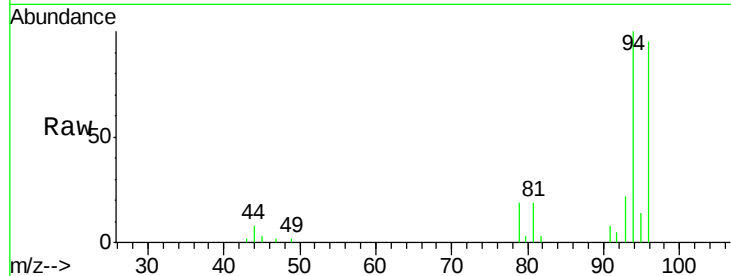
ClientSampleId :

VSTDCCC050

Tot Ion:	94	Resp:	52145
Ion	Ratio	Lower	Upper
94	100		
96	94.7	78.3	117.5
93	21.7	15.6	23.4

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#6

Chloroethane

Concen: 54.634 ug/l

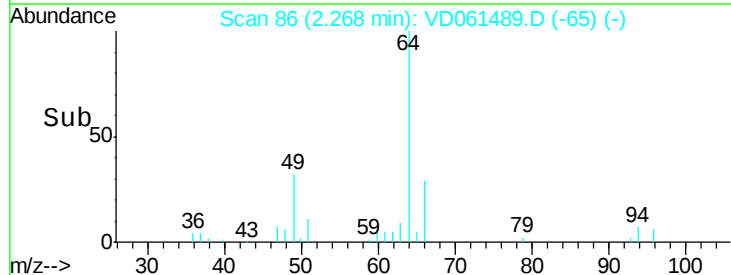
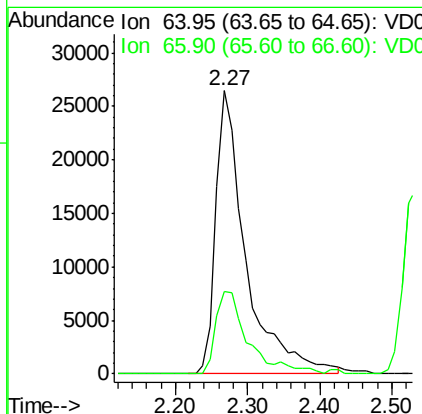
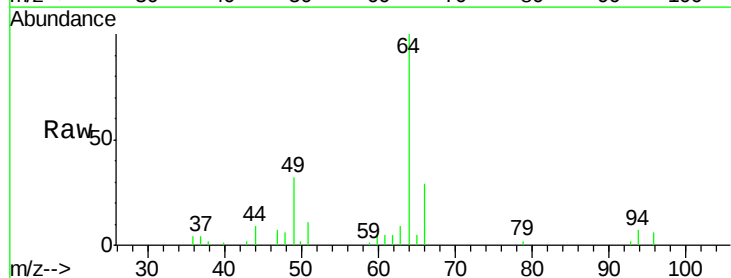
RT: 2.27 min Scan# 86

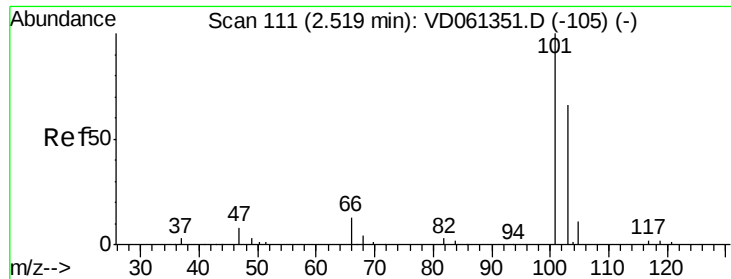
Delta R.T. 0.00 min

Lab File: VD061489.D

Acq: 2 Apr 2019 2:08

Tgt Ion:	64	Resp:	76253
Ion	Ratio	Lower	Upper
64	100		
66	28.9	26.2	39.2





#7

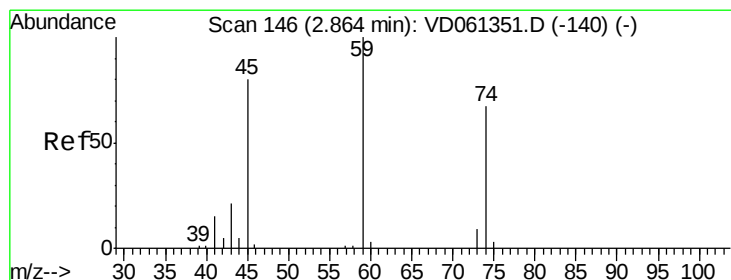
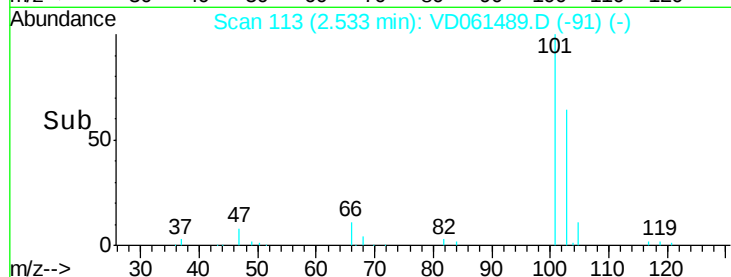
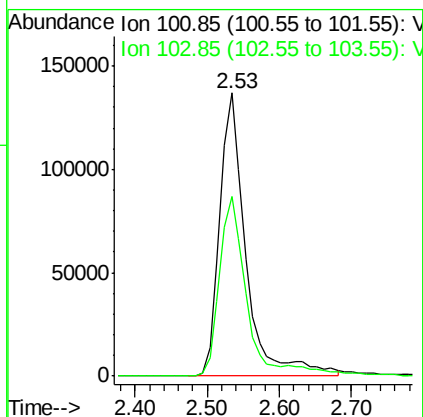
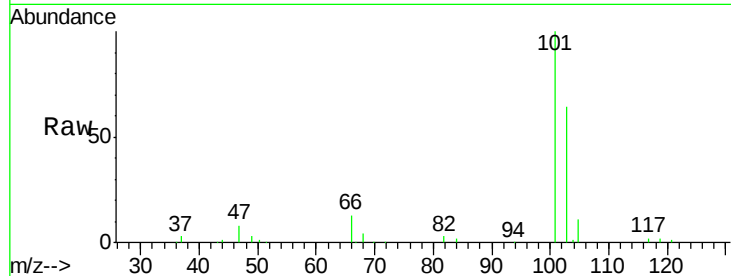
Trichlorofluoromethane
Concen: 49.815 ug/l
RT: 2.53 min Scan# 113
Delta R.T. 0.01 min
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.5	53.1	79.7

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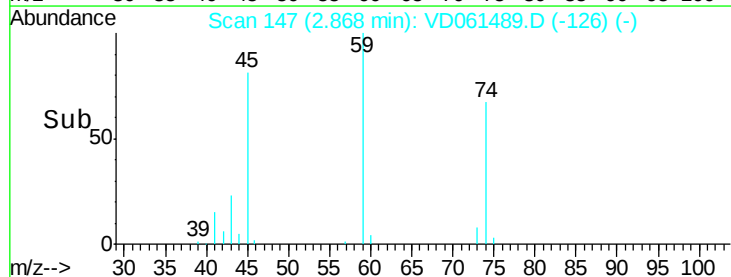
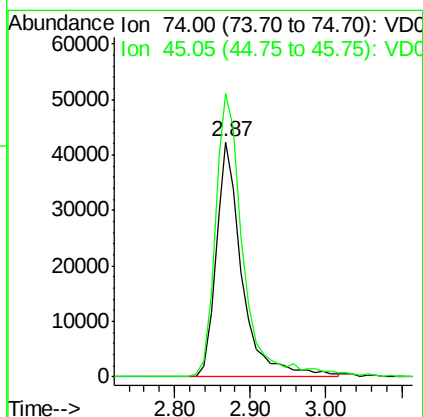
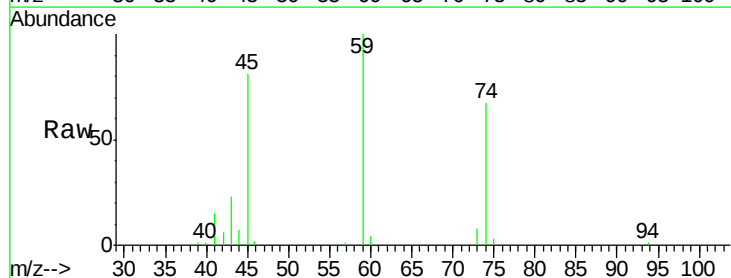
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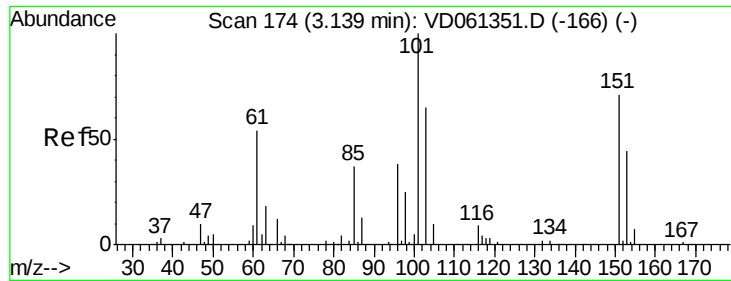


#8

Diethyl Ether
Concen: 45.139 ug/l
RT: 2.87 min Scan# 147
Delta R.T. 0.00 min
Lab File: VD061489.D
Acq: 2 Apr 2019 2:08

Tgt Ion	Ratio	Lower	Upper
74	100		
45	120.6	59.7	179.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.359 ug/l

RT: 3.14 min Scan# 175

Delta R.T. 0.00 min

Lab File: VD061489.D

Acq: 2 Apr 2019 2:08

Instrument :

MSVOA_D

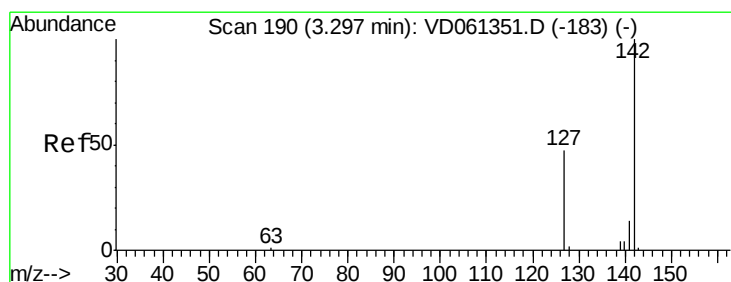
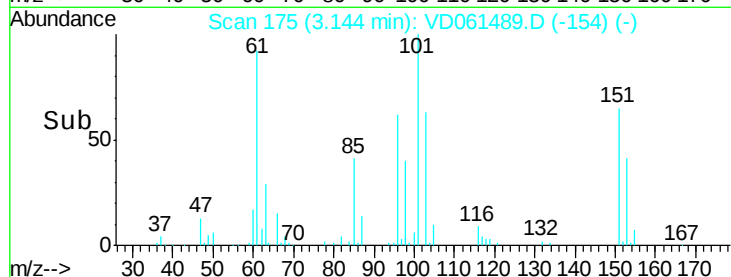
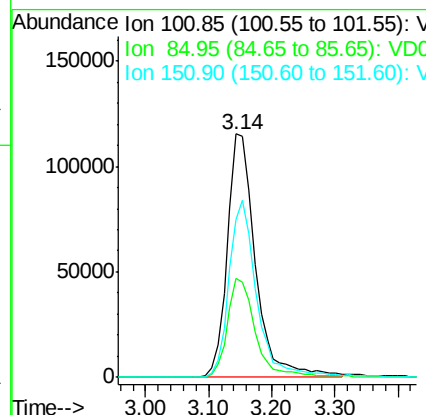
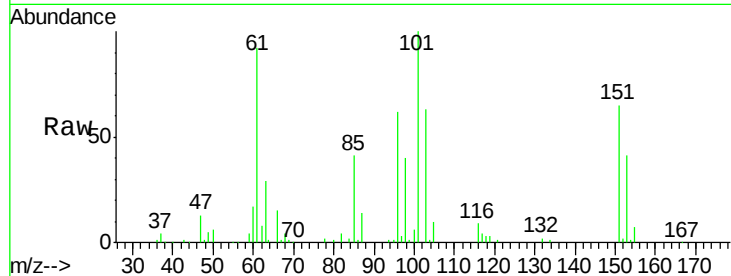
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	359806
Ion Ratio	Lower	Upper	
101	100		
85	40.8	29.4	44.0
151	64.9	57.0	85.4

Manual Integrations
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#10

Methyl Iodide

Concen: 44.400 ug/l

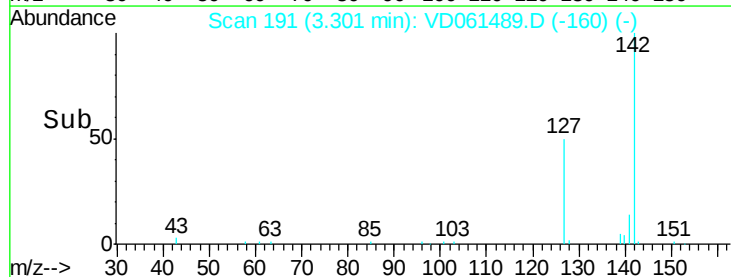
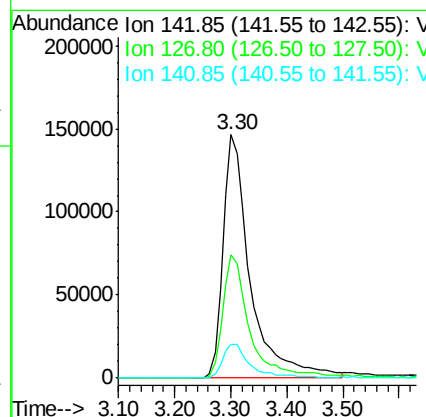
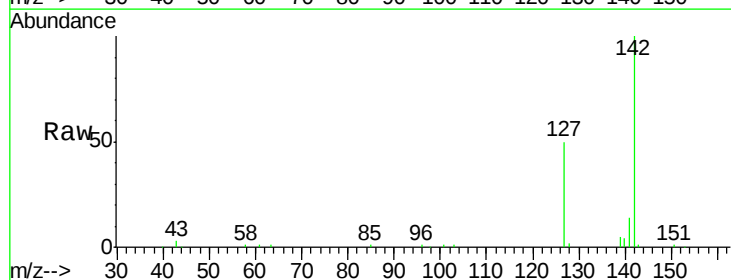
RT: 3.30 min Scan# 191

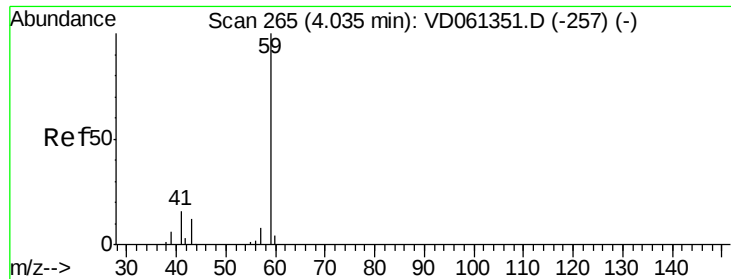
Delta R.T. 0.00 min

Lab File: VD061489.D

Acq: 2 Apr 2019 2:08

Tgt Ion:	142	Resp:	497504
Ion Ratio	Lower	Upper	
142	100		
127	50.5	37.7	56.5
141	13.8	11.5	17.3





#11

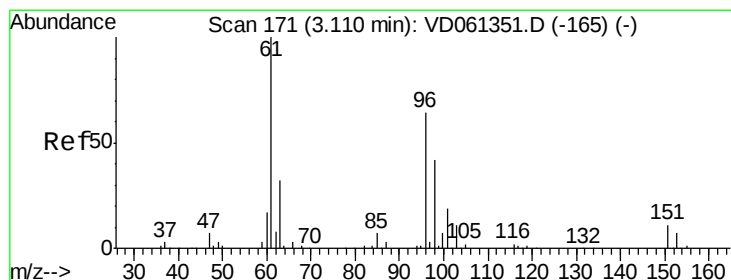
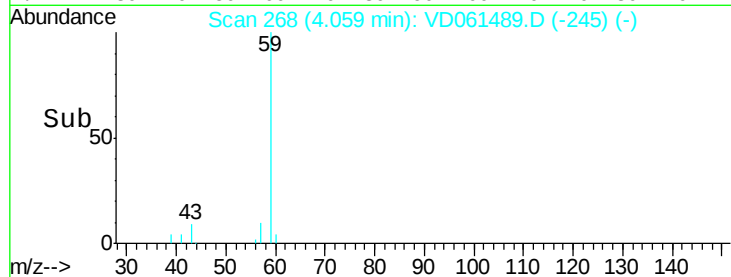
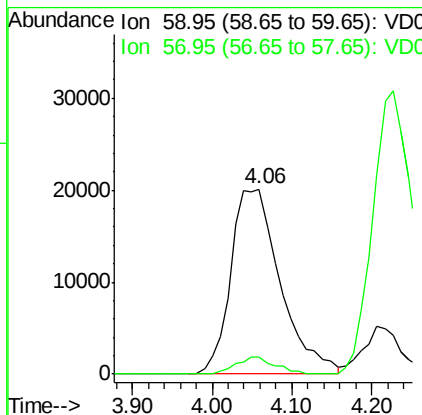
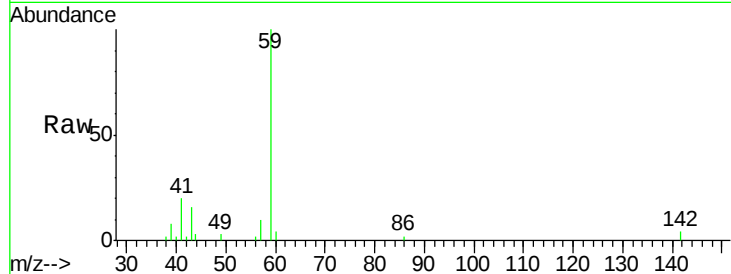
Tert butyl alcohol
 Concen: 274.188 ug/l
 RT: 4.06 min Scan# 268
 Delta R.T. 0.02 min
 Lab File: VD061489.D
 Acq: 2 Apr 2019 2:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	86810		
57	9.6		6.7	10.1

Manual Integrations
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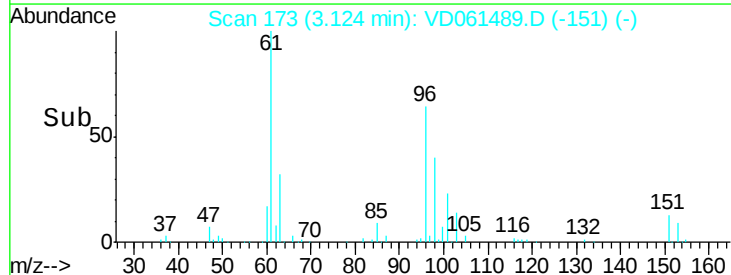
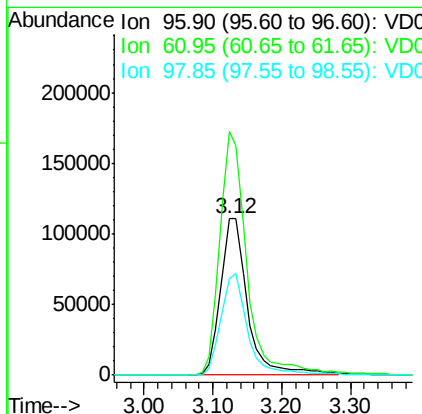
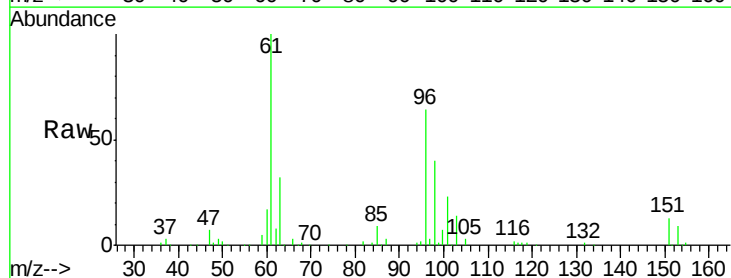
MMDadoda
 4/2/2019 11:39:18 AM

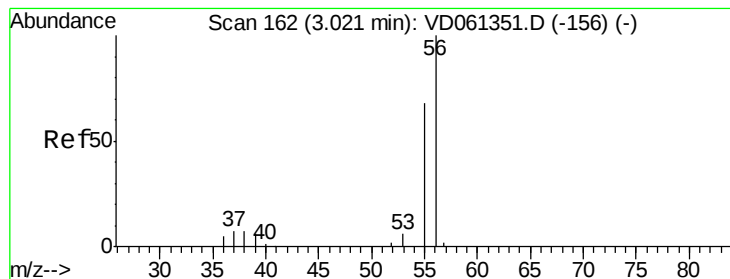


#12

1,1-Dichloroethene
 Concen: 47.231 ug/l
 RT: 3.12 min Scan# 173
 Delta R.T. 0.01 min
 Lab File: VD061489.D
 Acq: 2 Apr 2019 2:08

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	301711		
61	156.1		124.9	187.3
98	62.0		52.5	78.7





#13

Acrolein

Concen: 231.353 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.01 min

Lab File: VD061489.D

Acq: 2 Apr 2019 2:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 56221

Ion Ratio Lower Upper

56 100

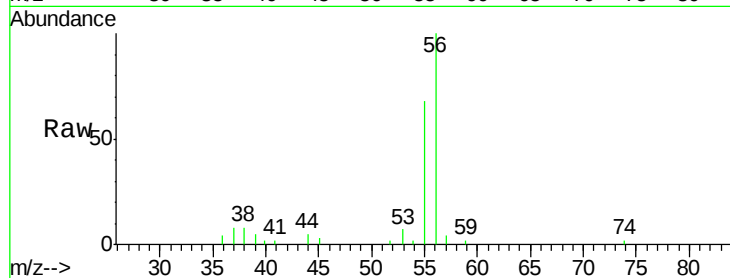
55 68.1 54.6 82.0

Manual Integrations

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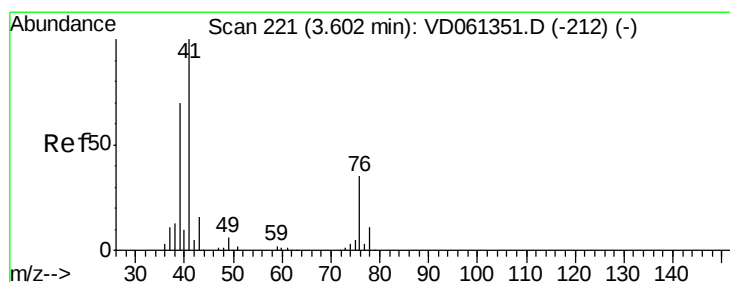
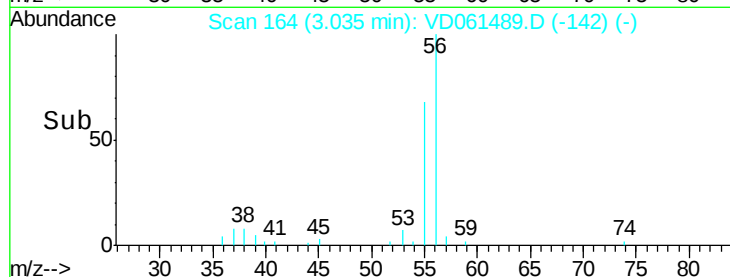
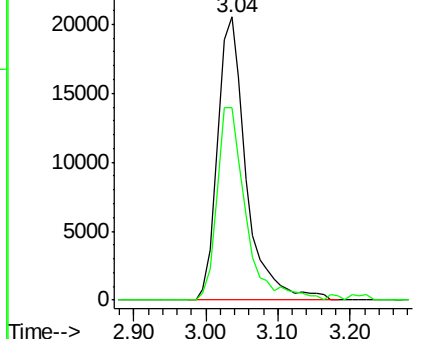
MMDadoda

4/2/2019 11:39:18 AM



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 51.502 ug/l

RT: 3.62 min Scan# 223

Delta R.T. 0.01 min

Lab File: VD061489.D

Acq: 2 Apr 2019 2:08

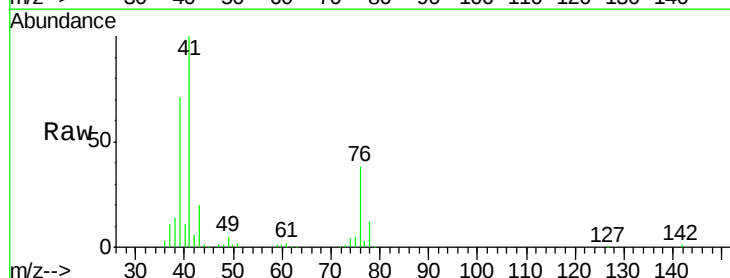
Tgt Ion: 41 Resp: 458873

Ion Ratio Lower Upper

41 100

39 70.9 55.6 83.4

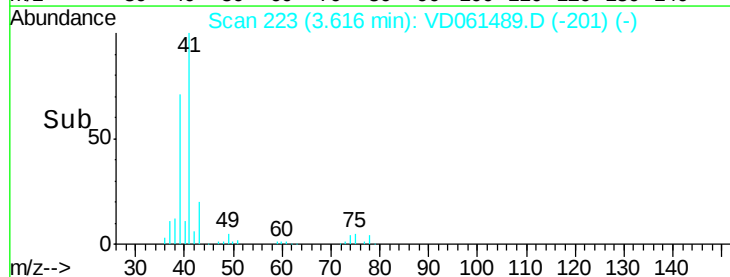
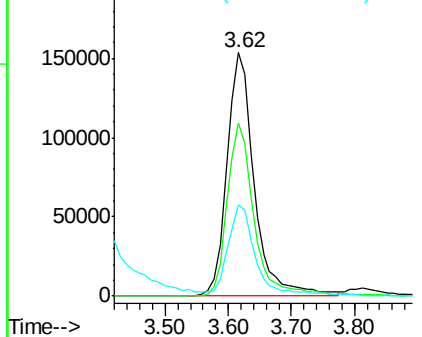
76 37.5 31.0 46.6

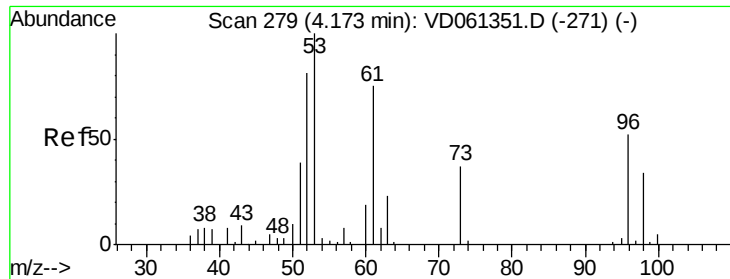


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 257.161 ug/l

RT: 4.19 min Scan# 281

Delta R.T. 0.01 min

Lab File: VD061489.D

Acq: 2 Apr 2019 2:08

Instrument :

MSVOA_D

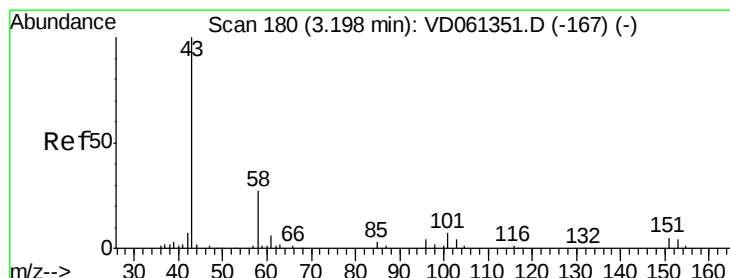
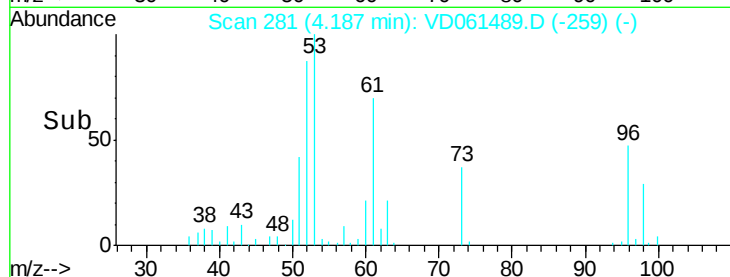
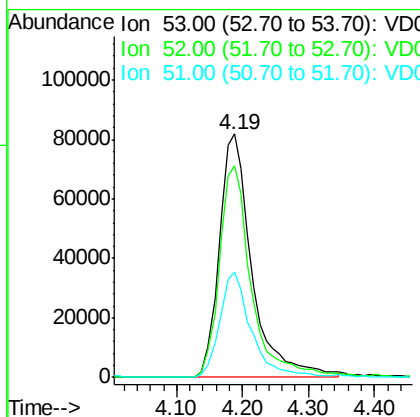
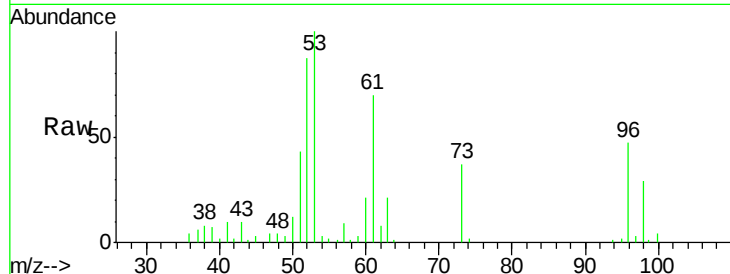
ClientSampleID :

VSTDCCC050

Tot Ion:	53	Resp:	282590
Ion Ratio	Lower	Upper	
53	100		
52	86.7	64.8	97.2
51	43.1	31.4	47.2

Manual Integrations
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#16

Acetone

Concen: 225.150 ug/l

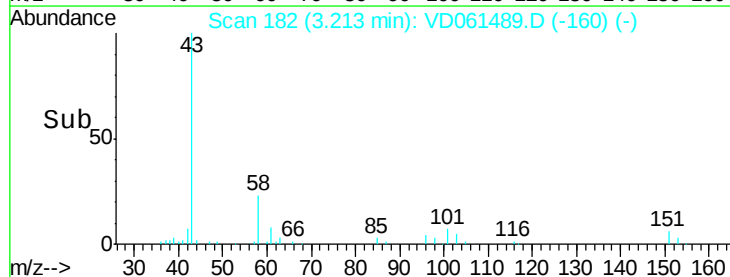
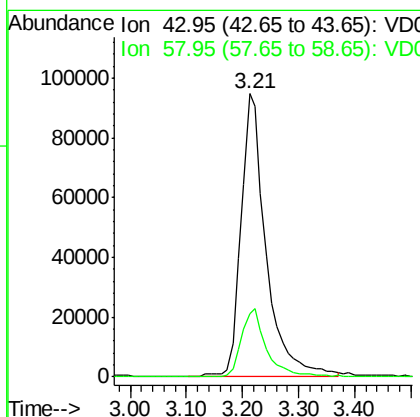
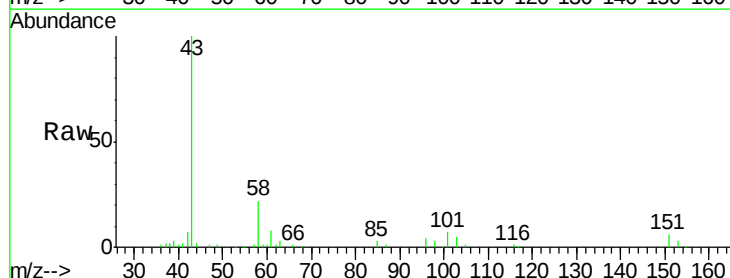
RT: 3.21 min Scan# 182

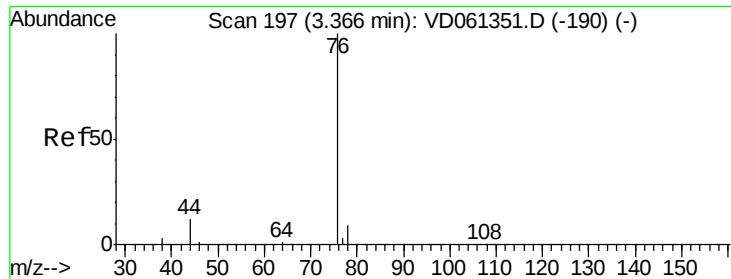
Delta R.T. 0.01 min

Lab File: VD061489.D

Acq: 2 Apr 2019 2:08

Tgt Ion:	43	Resp:	294247
Ion Ratio	Lower	Upper	
43	100		
58	22.5	21.5	32.3





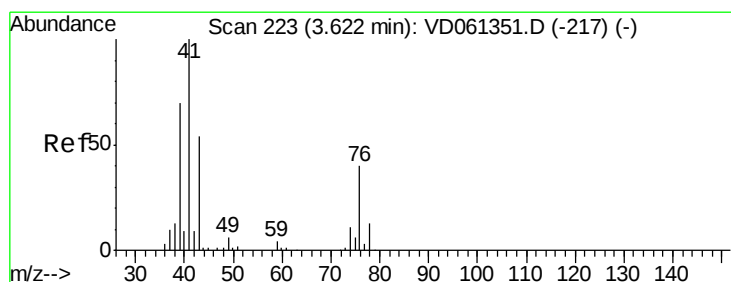
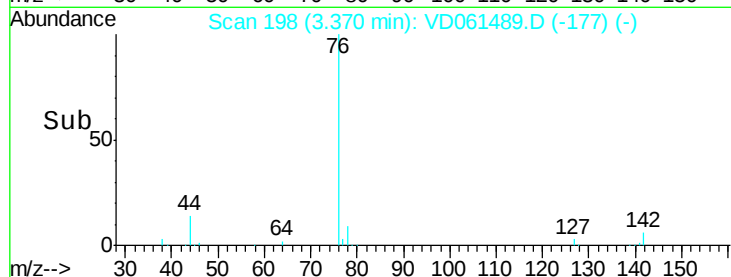
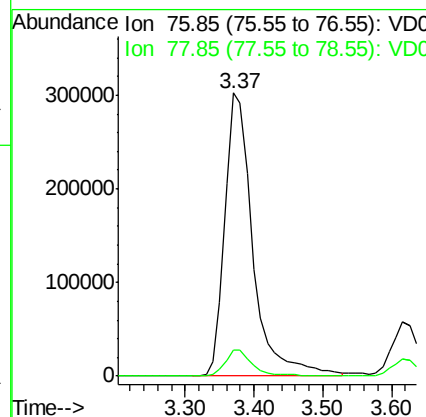
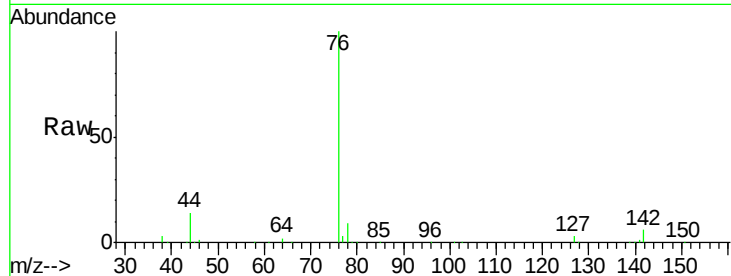
#17
Carbon Disulfide
Concen: 41.291 ug/l
RT: 3.37 min Scan# 198
Delta R.T. 0.00 min
Lab File: VD061489.D
Acq: 2 Apr 2019 2:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.1	10.7

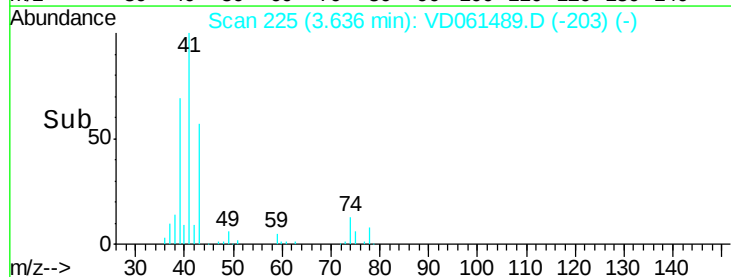
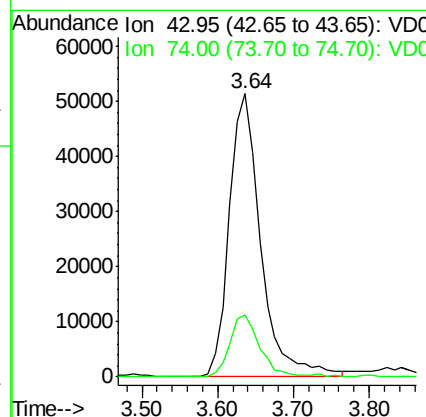
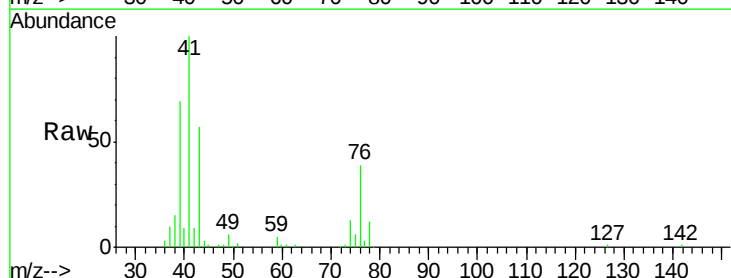
Manual Integrations
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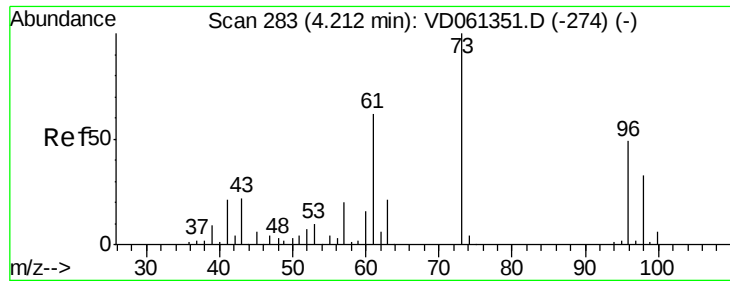
MMDadoda
4/2/2019 11:39:18 AM



#18
Methyl Acetate
Concen: 53.938 ug/l
RT: 3.64 min Scan# 225
Delta R.T. 0.01 min
Lab File: VD061489.D
Acq: 2 Apr 2019 2:08

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.8	16.7	25.1





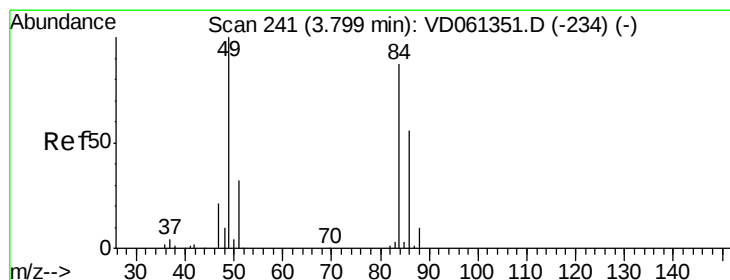
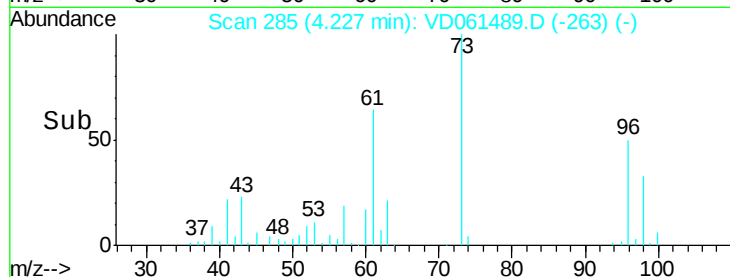
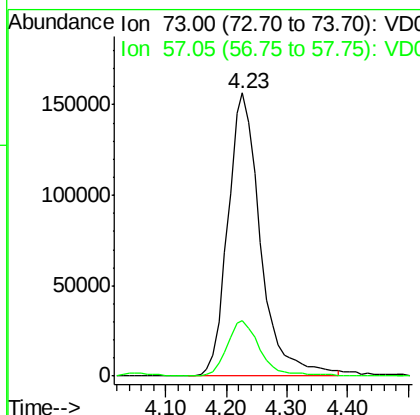
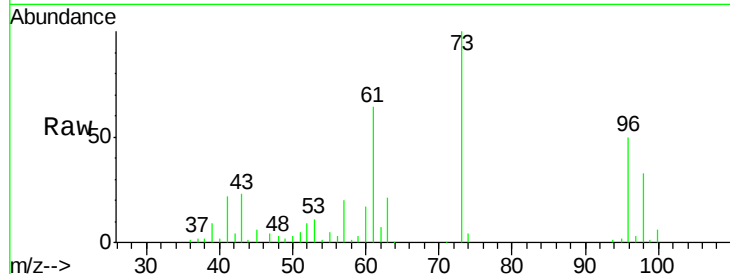
#19
Methvl tert-butvl Ether
Concen: 53.038 ug/l
RT: 4.23 min Scan# 285
Delta R.T. 0.01 min
Lab File: VD061489.D
Acq: 2 Apr 2019 2:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 586477
Ion Ratio Lower Upper
73 100
57 19.7 16.4 24.6

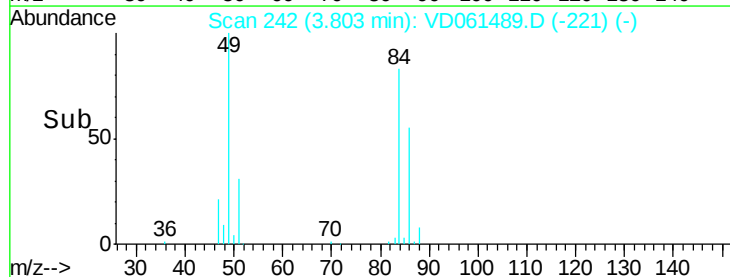
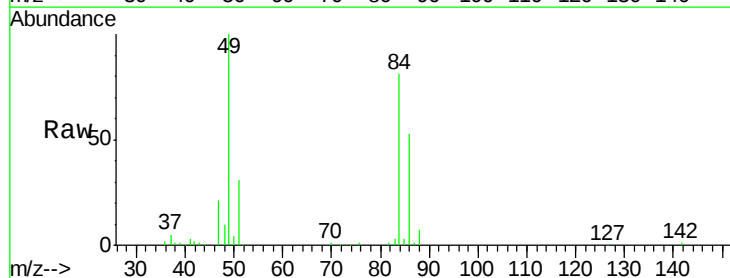
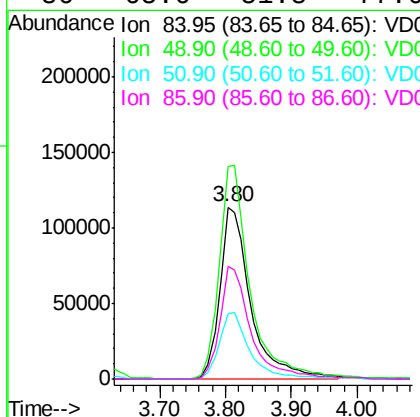
Manual Integrations
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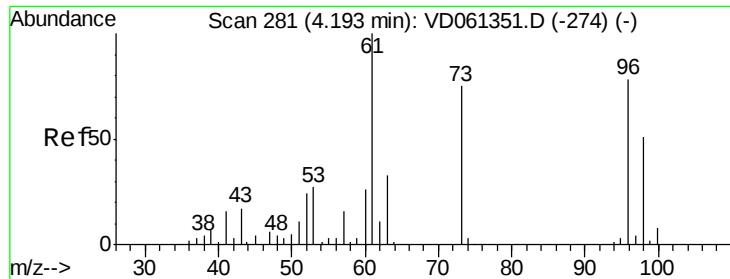
MMDadoda
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#20
Methylene Chloride
Concen: 50.879 ug/l
RT: 3.80 min Scan# 242
Delta R.T. 0.00 min
Lab File: VD061489.D
Acq: 2 Apr 2019 2:08

Tgt Ion: 84 Resp: 372249
Ion Ratio Lower Upper
84 100
49 123.4 91.8 137.8
51 37.7 29.8 44.8
86 65.6 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 47.964 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.02 min

Lab File: VD061489.D

Acq: 2 Apr 2019 2:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 330790

Ion Ratio Lower Upper

96 100

61 136.9 102.7 154.1

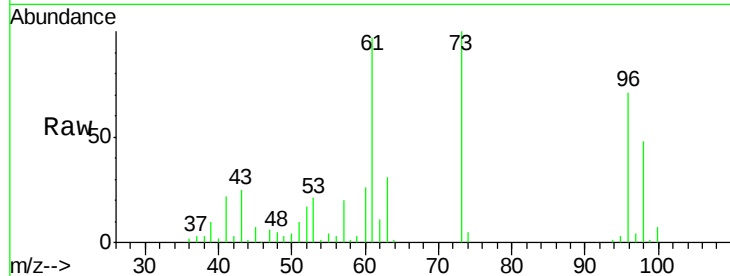
98 67.4 52.2 78.4

Manual Integrations

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MMDadoda

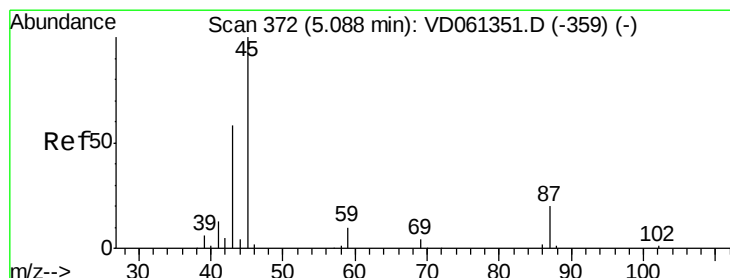
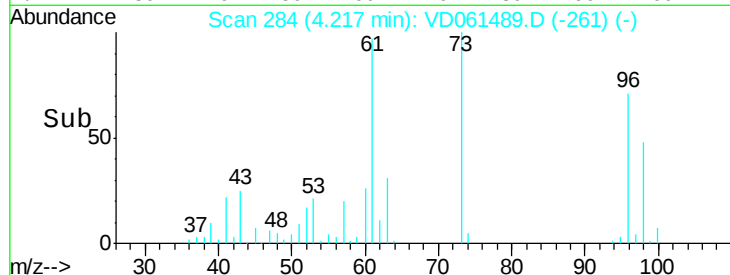
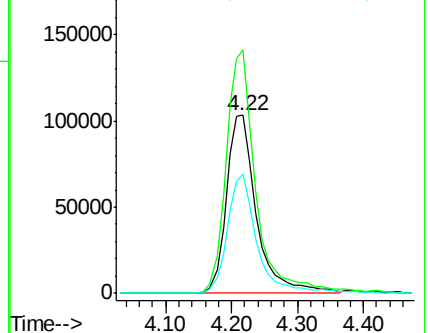
4/2/2019 11:39:18 AM



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 54.976 ug/l

RT: 5.10 min Scan# 374

Delta R.T. 0.01 min

Lab File: VD061489.D

Acq: 2 Apr 2019 2:08

Tgt Ion: 45 Resp: 1036532

Ion Ratio Lower Upper

45 100

43 63.2 47.4 71.2

87 19.9 16.3 24.5

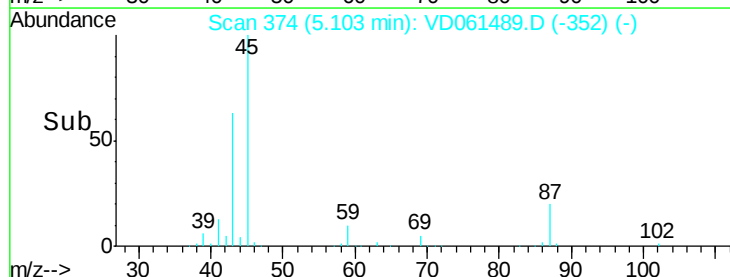
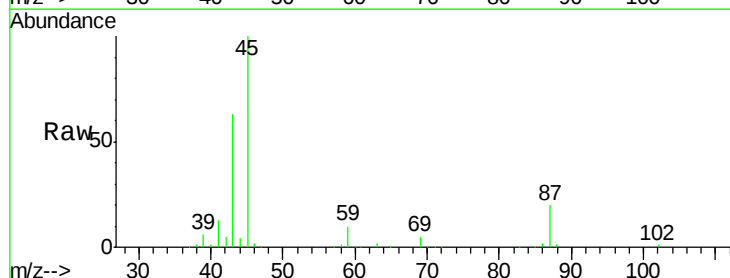
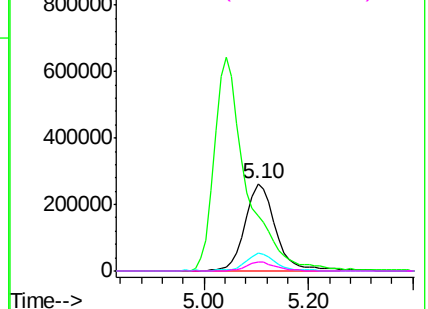
59 9.8 8.4 12.6

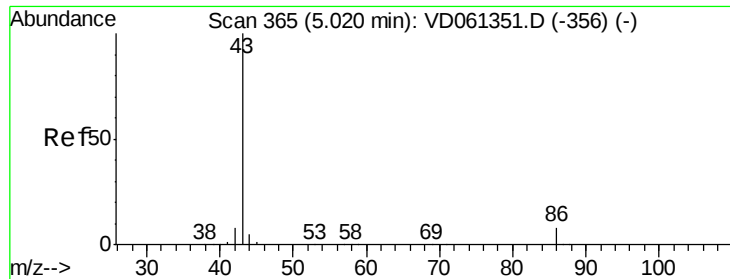
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





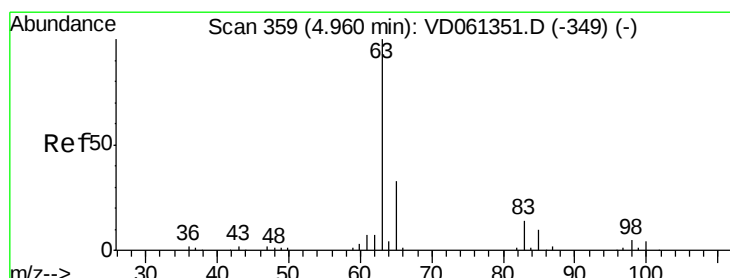
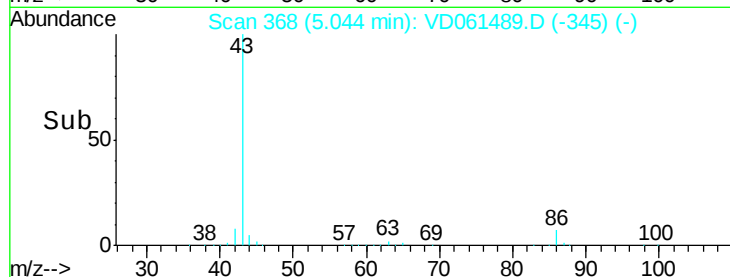
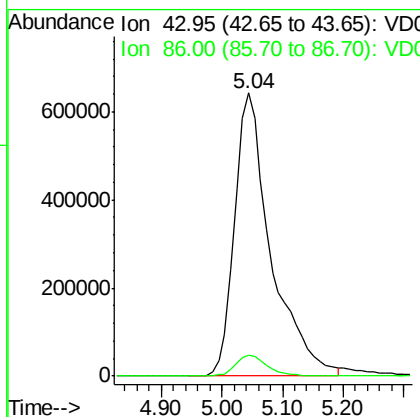
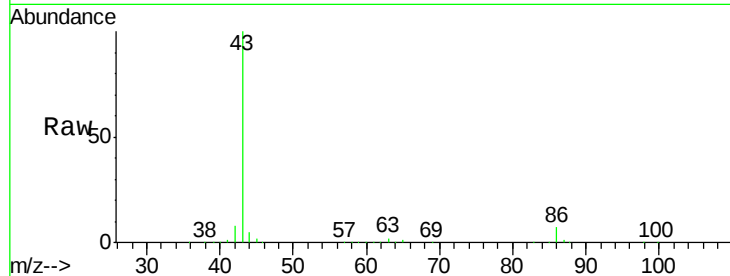
#23
 Vinyl Acetate
 Concen: 262.459 ug/l
 RT: 5.04 min Scan# 368
 Delta R.T. 0.02 min
 Lab File: VD061489.D
 Acq: 2 Apr 2019 2:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 2687997
 Ion Ratio Lower Upper
 43 100
 86 7.4 6.7 10.1

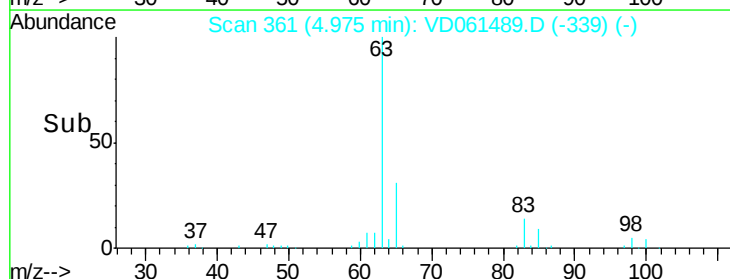
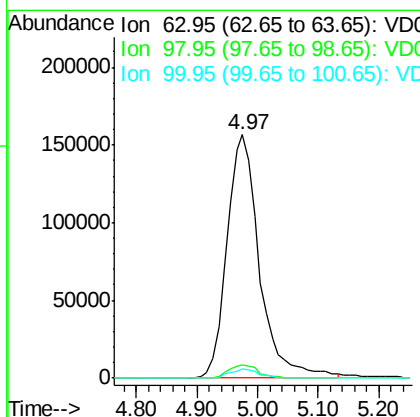
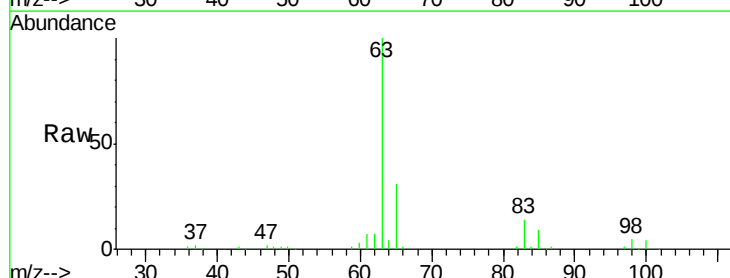
Manual Integrations
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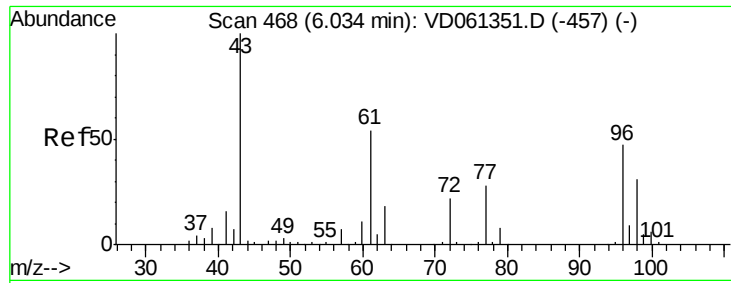
MMDadoda
 4/2/2019 11:39:18 AM



#24
 1,1-Dichloroethane
 Concen: 52.422 ug/l
 RT: 4.97 min Scan# 361
 Delta R.T. 0.01 min
 Lab File: VD061489.D
 Acq: 2 Apr 2019 2:08

Tgt Ion: 63 Resp: 580863
 Ion Ratio Lower Upper
 63 100
 98 5.4 2.6 8.0
 100 3.9 1.8 5.3





#25

2-Butanone

Concen: 243.701 ug/l

RT: 6.06 min Scan# 471

Delta R.T. 0.02 min

Lab File: VD061489.D

Acq: 2 Apr 2019 2:08

Tot Ion: 43 Resp: 400634

Ion Ratio Lower Upper

43 100

72 20.8 17.2 25.8

Instrument :

MSVOA_D

ClientSampleId :

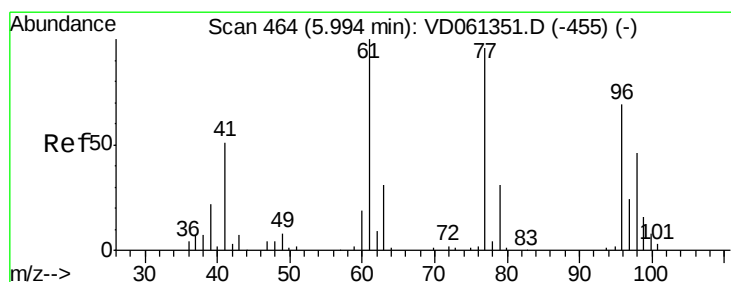
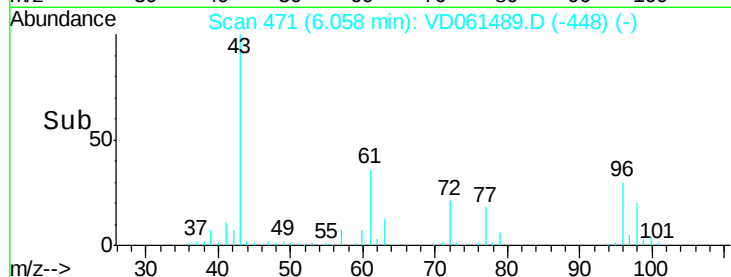
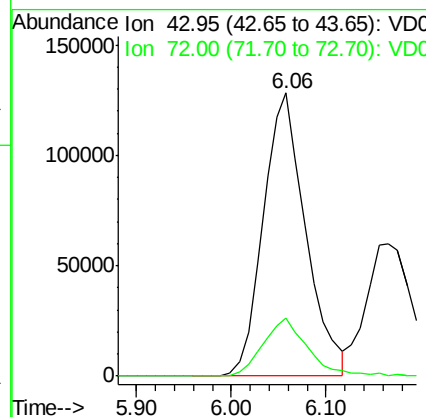
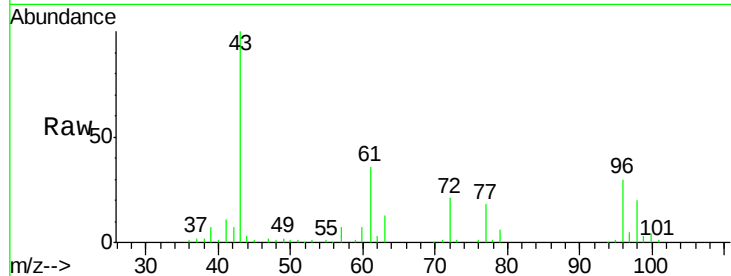
VSTDCCC050

Manual Integrations

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4/2/2019 11:39:18 AM



#26

2,2-Dichloropropane

Concen: 50.157 ug/l

RT: 6.01 min Scan# 466

Delta R.T. 0.01 min

Lab File: VD061489.D

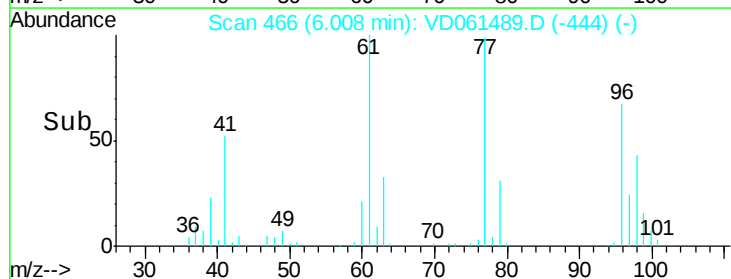
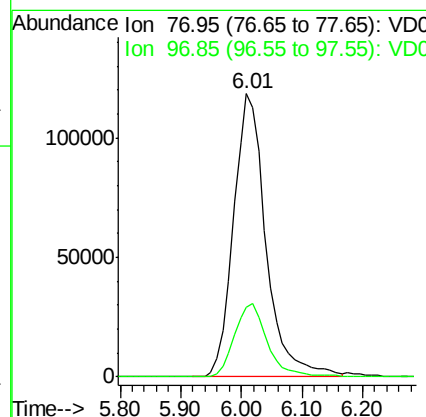
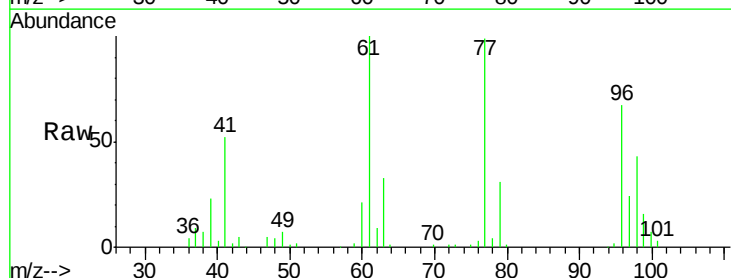
Acq: 2 Apr 2019 2:08

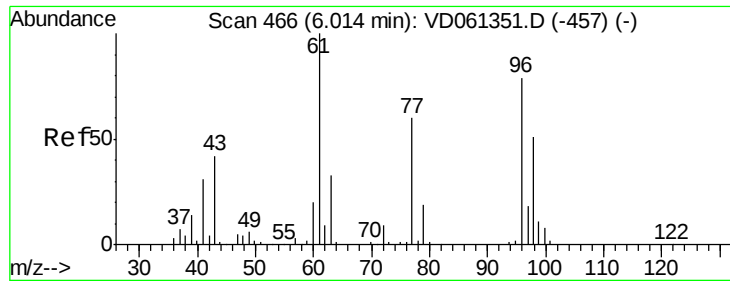
Tgt Ion: 77 Resp: 441803

Ion Ratio Lower Upper

77 100

97 24.6 12.7 38.0





#27

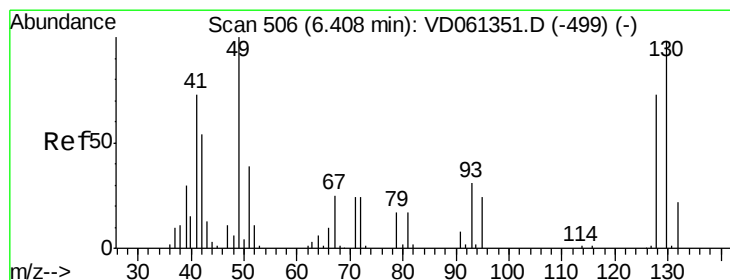
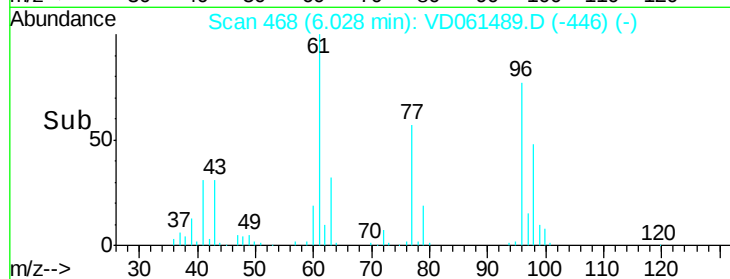
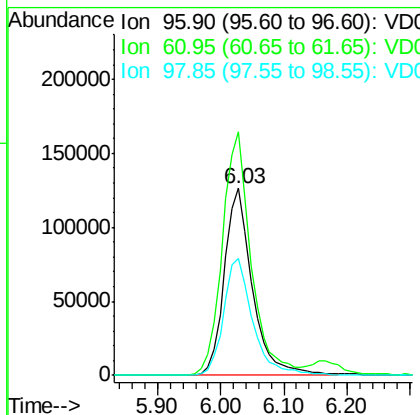
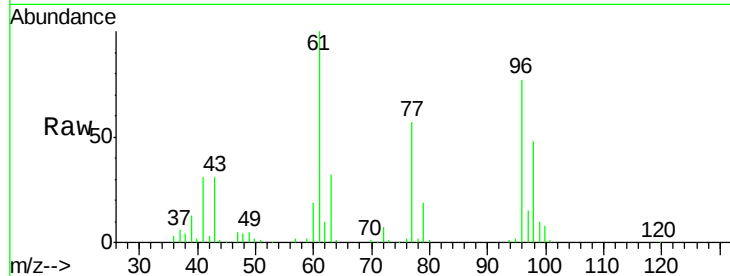
cis-1,2-Dichloroethene
Concen: 51.602 ug/l
RT: 6.03 min Scan# 468
Delta R.T. 0.01 min
Lab File: VD061489.D
Acq: 2 Apr 2019 2:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	389914		
61	130.3	0.0	251.6	
98	62.6	0.0	129.2	

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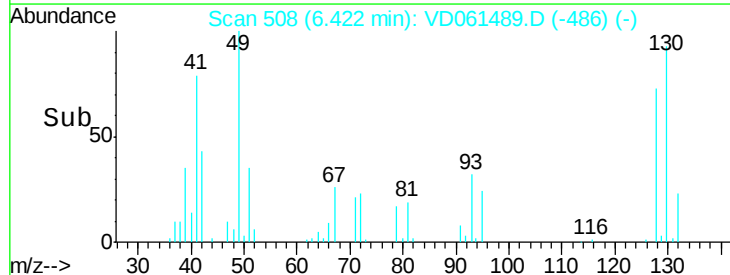
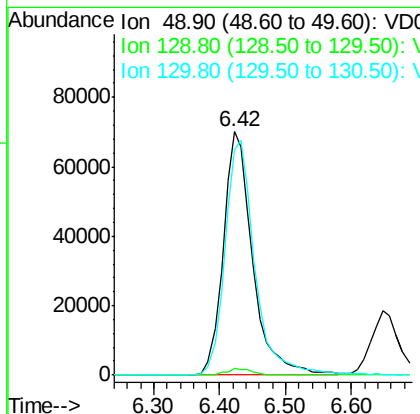
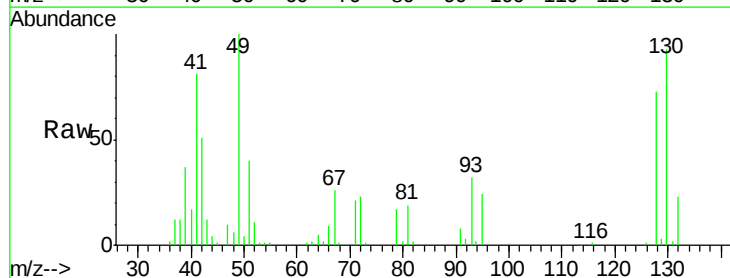
MMDadoda
4/2/2019 11:39:18 AM

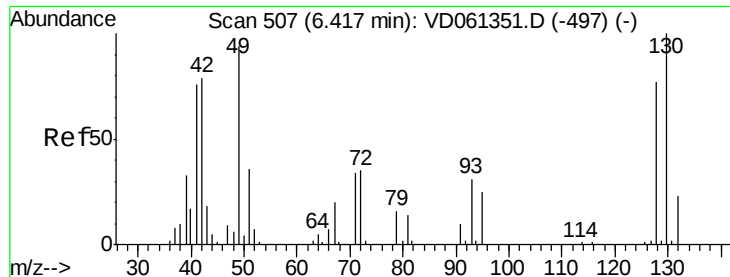


#28

Bromochloromethane
Concen: 48.653 ug/l
RT: 6.42 min Scan# 508
Delta R.T. 0.01 min
Lab File: VD061489.D
Acq: 2 Apr 2019 2:08

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	217619		
129	2.6	0.0	0.0#	
130	92.6	78.4	117.6	





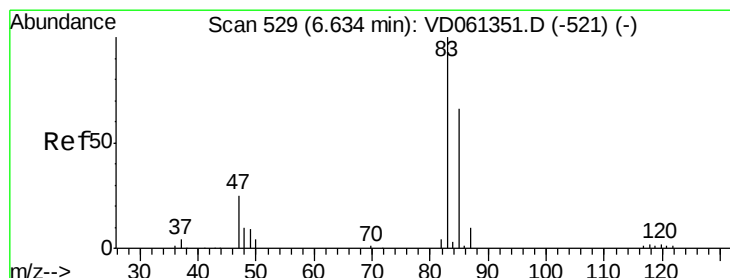
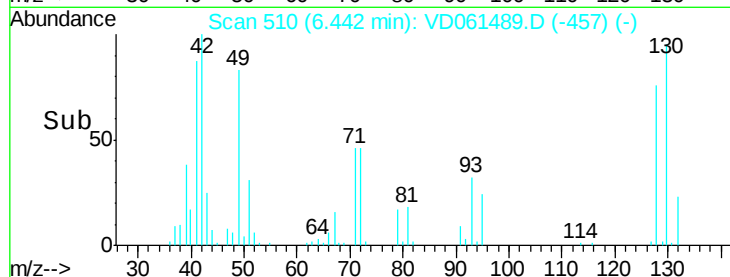
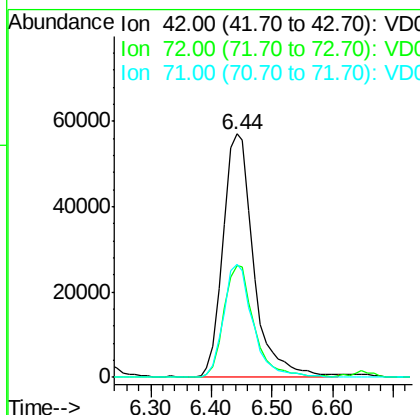
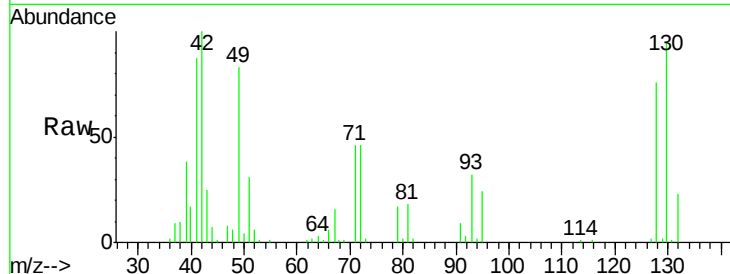
#29
Tetrahydrofuran
Concen: 252.526 ug/l
RT: 6.44 min Scan# 510
Delta R.T. 0.02 min
Lab File: VD061489.D
Acq: 2 Apr 2019 2:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.1	37.4	56.0
71	44.4	36.7	55.1

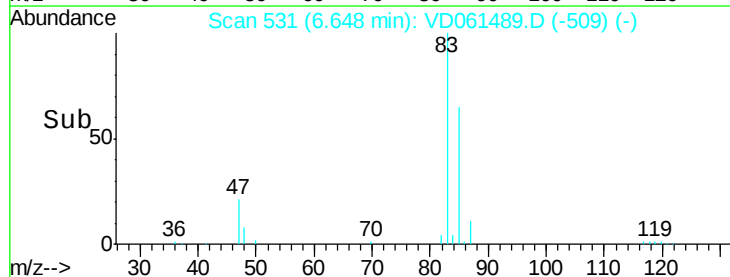
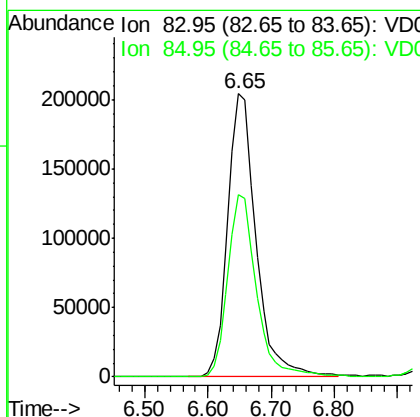
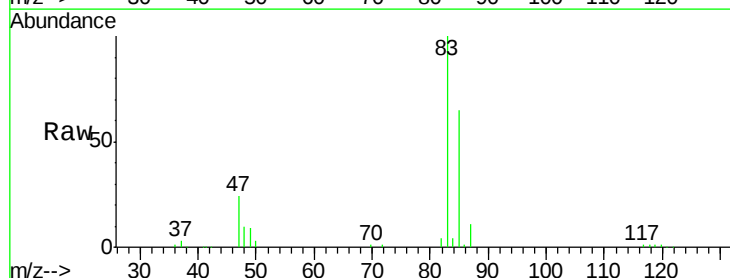
Manual Integrations
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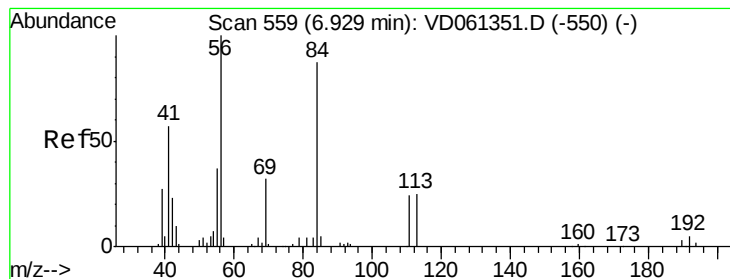
MMDadoda
4/2/2019 11:39:18 AM



#30
Chloroform
Concen: 55.389 ug/l
RT: 6.65 min Scan# 531
Delta R.T. 0.01 min
Lab File: VD061489.D
Acq: 2 Apr 2019 2:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	53.0	79.4





#31

Cyclohexane

Concen: 47.949 ug/l

RT: 6.94 min Scan# 561

Delta R.T. 0.01 min

Lab File: VD061489.D

Acq: 2 Apr 2019 2:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 419849

Ion Ratio Lower Upper

56 100

69 30.1 25.7 38.5

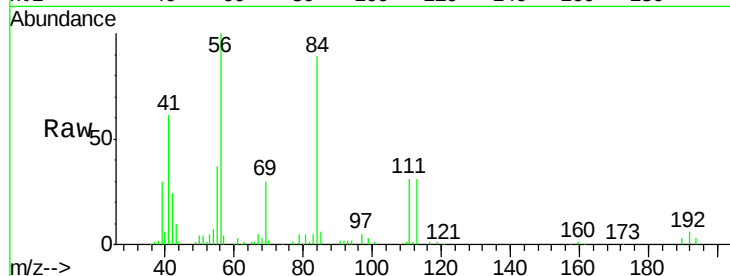
84 88.7 70.6 105.8

Manual Integrations

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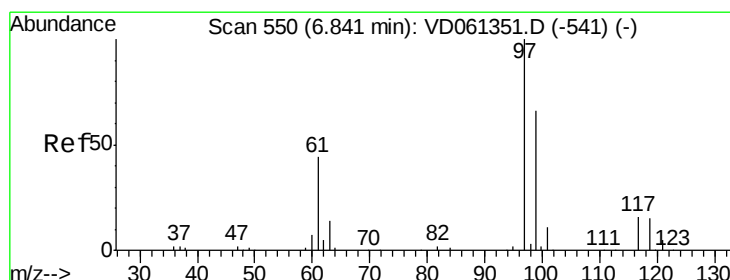
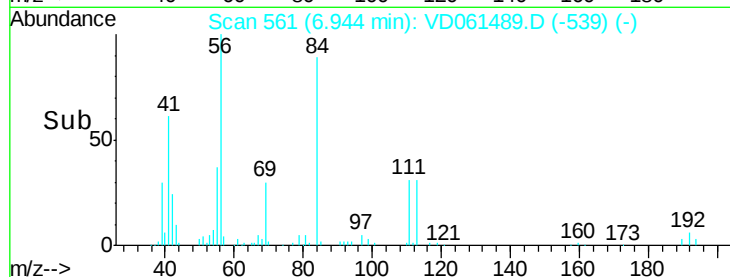
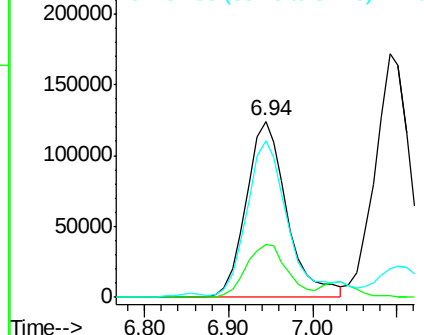
4/2/2019 11:39:18 AM



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 53.263 ug/l

RT: 6.86 min Scan# 552

Delta R.T. 0.01 min

Lab File: VD061489.D

Acq: 2 Apr 2019 2:08

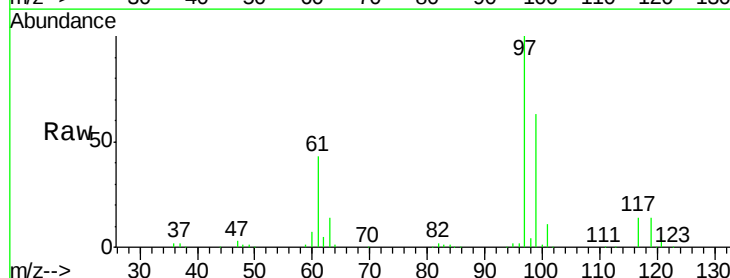
Tgt Ion: 97 Resp: 537992

Ion Ratio Lower Upper

97 100

99 63.1 53.1 79.7

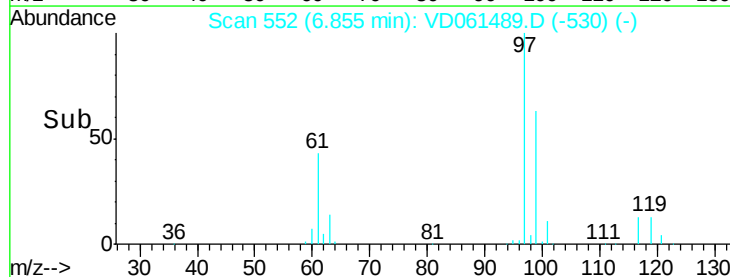
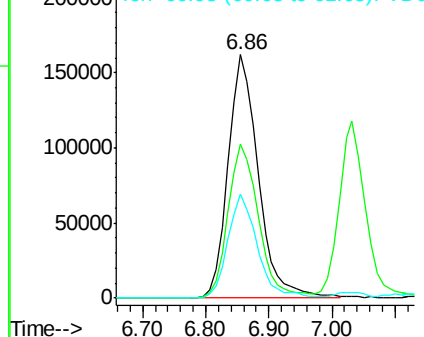
61 42.7 35.5 53.3

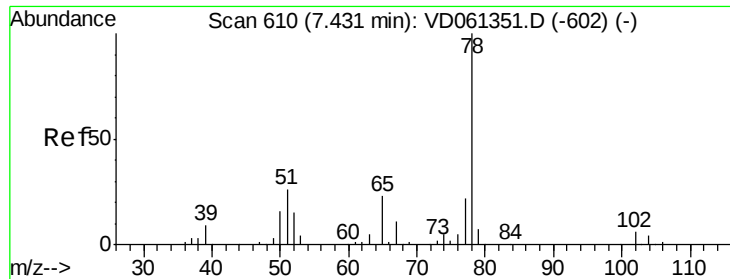


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 98.85 (98.55 to 99.55): VDC

Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 53.263 ug/l

RT: 7.44 min Scan# 611

Delta R.T. 0.00 min

Lab File: VD061489.D

Acq: 2 Apr 2019 2:08

Tot Ion: 65 Resp: 284110

Ion Ratio Lower Upper

65 100

67 49.6 0.0 99.8

Instrument :

MSVOA_D

ClientSampleId :

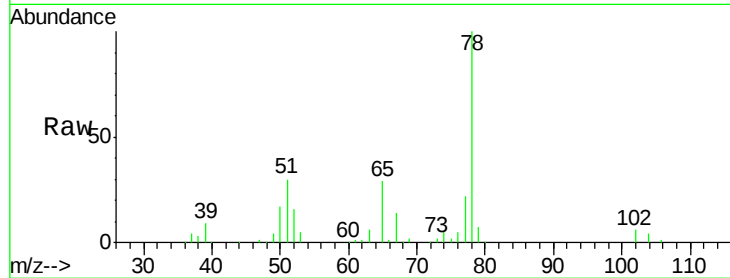
VSTDCCC050

Manual Integrations

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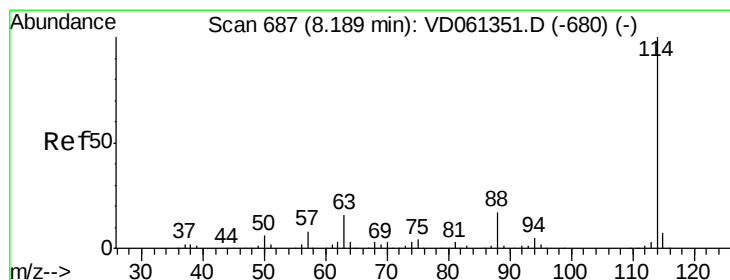
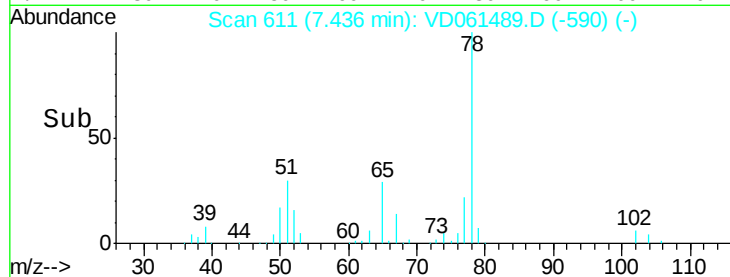
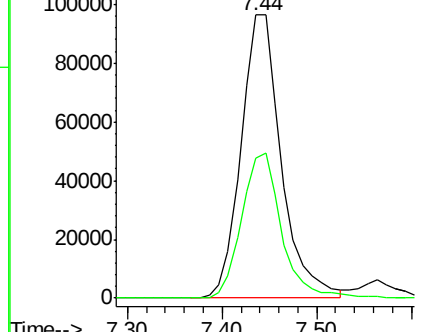
MMDadoda

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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.20 min Scan# 689

Delta R.T. 0.01 min

Lab File: VD061489.D

Acq: 2 Apr 2019 2:08

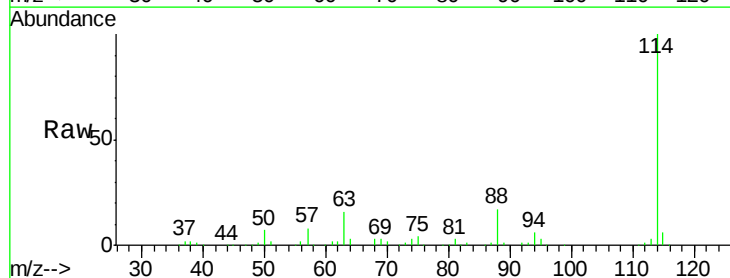
Tgt Ion: 114 Resp: 989627

Ion Ratio Lower Upper

114 100

63 15.8 0.0 31.6

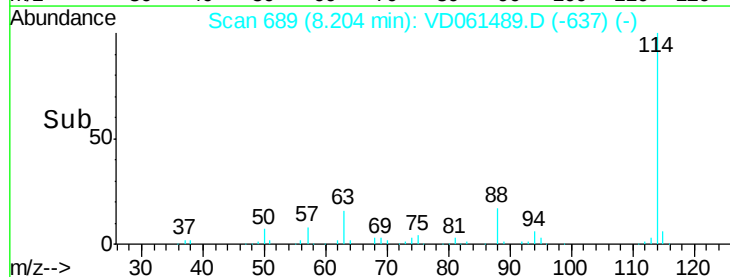
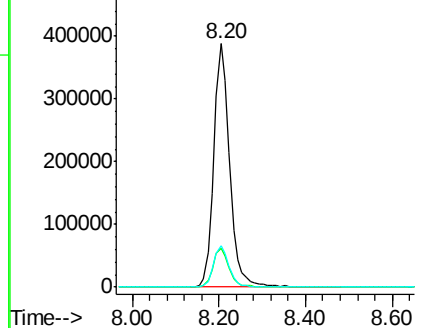
88 16.9 0.0 33.4

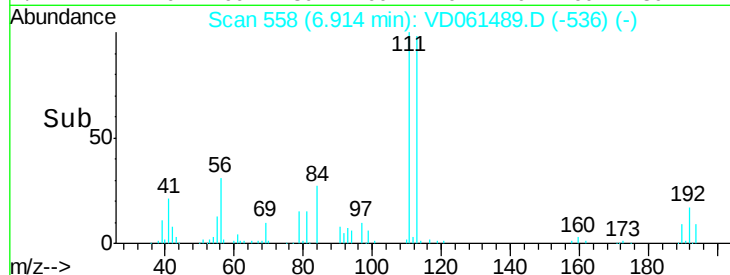
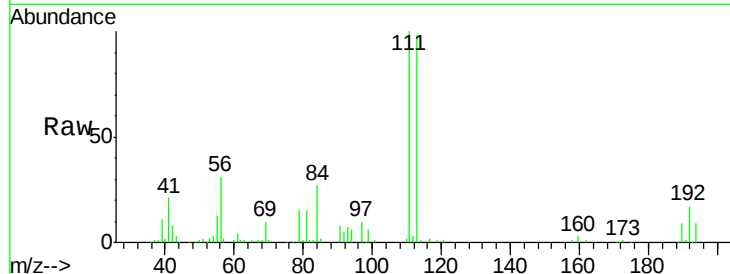
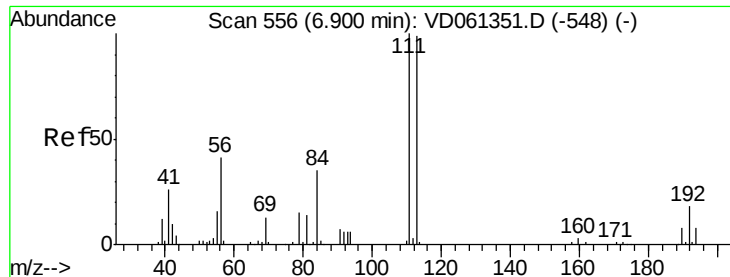


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





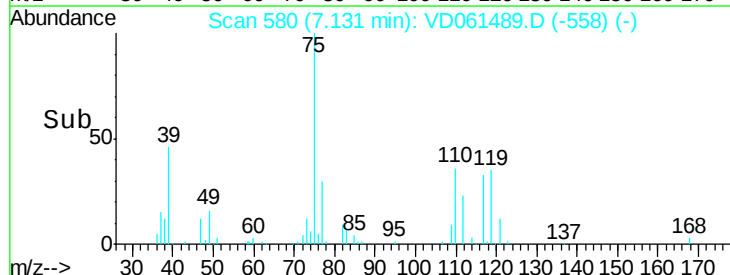
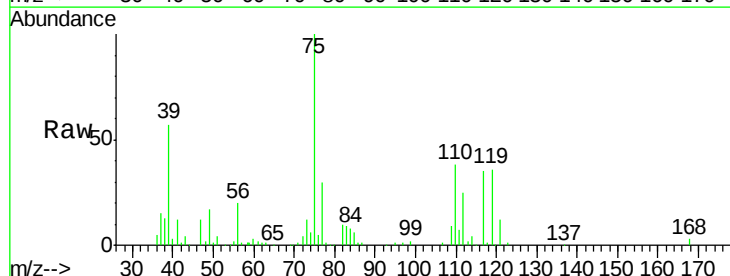
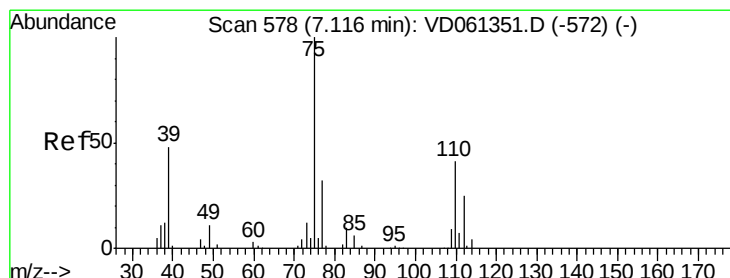
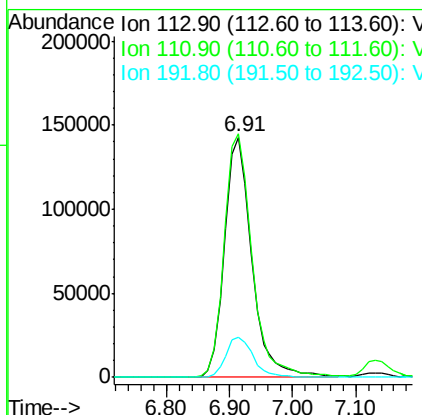
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.91 min Scan# 558
Delta R.T. 0.01 min
Lab File: VD061489.D
Acq: 2 Apr 2019 2:08

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.5	81.0	121.6	
192	17.0	14.4	21.6	

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

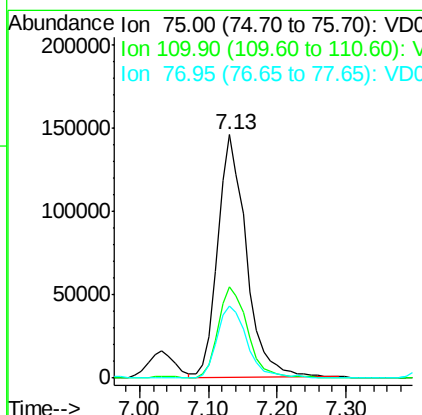
Manual Integrations
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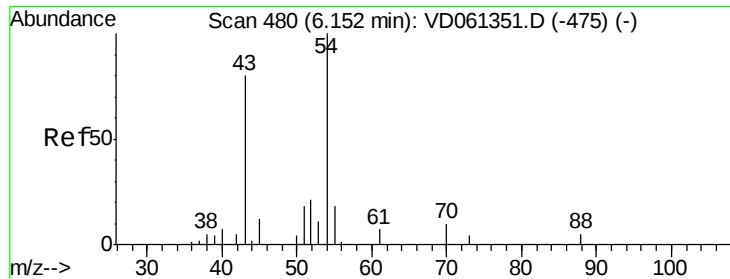
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#36
1,1-Dichloropropene
Concen: 48.467 ug/l
RT: 7.13 min Scan# 580
Delta R.T. 0.01 min
Lab File: VD061489.D
Acq: 2 Apr 2019 2:08

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	37.6	20.4	61.3	
77	29.8	24.9	37.3	





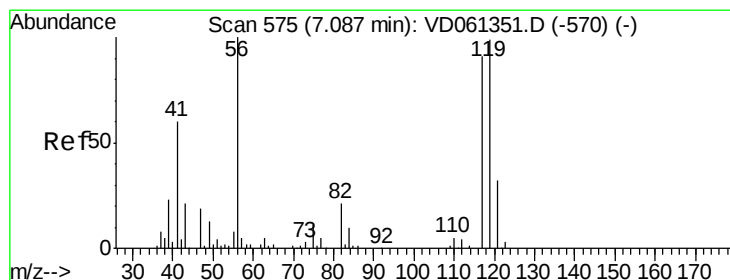
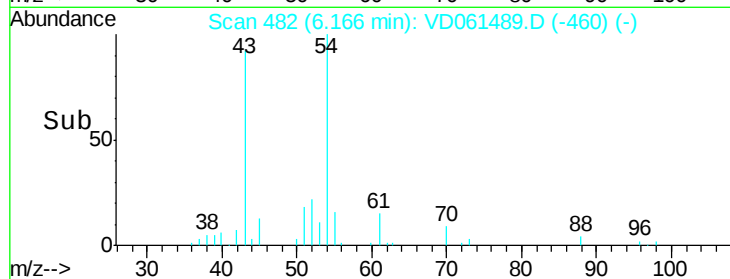
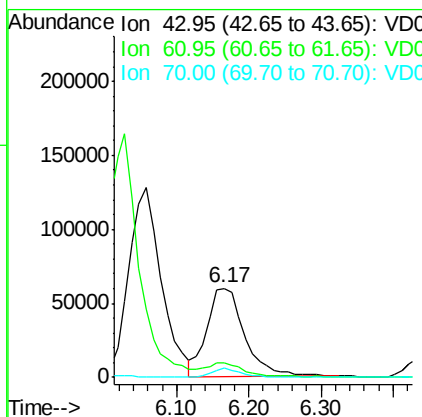
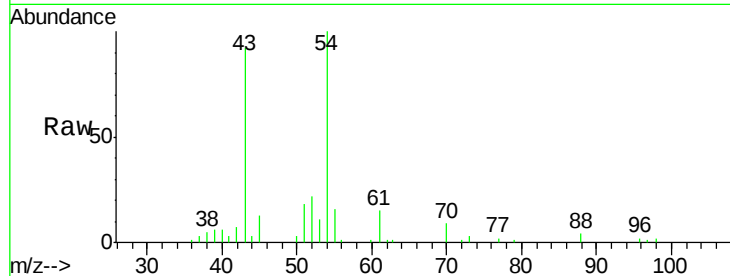
#37
Ethyl Acetate
Concen: 57.954 ug/l
RT: 6.17 min Scan# 482
Delta R.T. 0.01 min
Lab File: VD061489.D
Acq: 2 Apr 2019 2:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.8	13.8	20.8
70	10.0	7.8	11.8

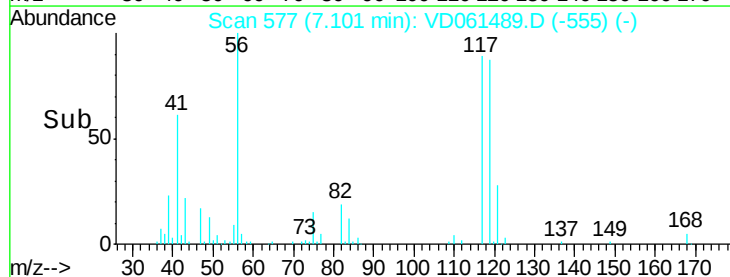
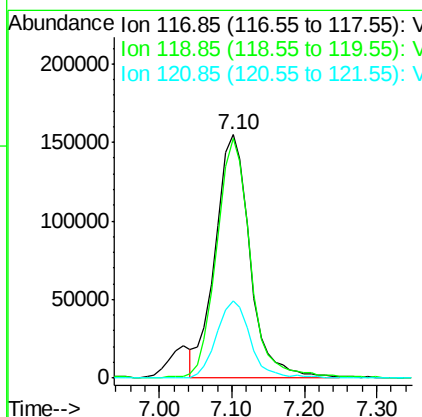
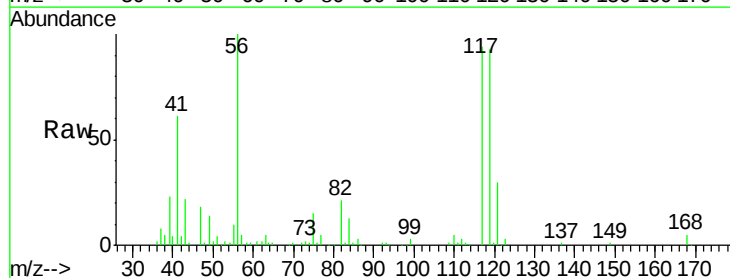
Manual Integrations
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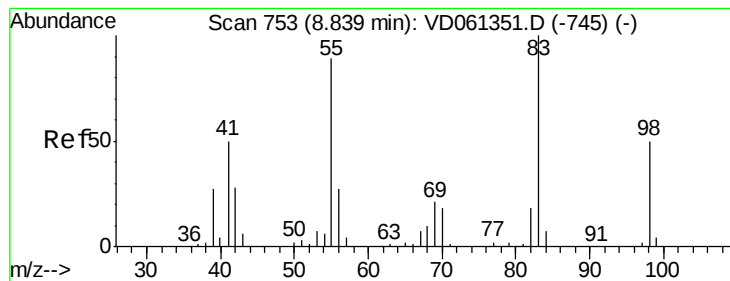
MMDadoda
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#38
Carbon Tetrachloride
Concen: 52.268 ug/l m
RT: 7.10 min Scan# 577
Delta R.T. 0.01 min
Lab File: VD061489.D
Acq: 2 Apr 2019 2:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.3	80.1	120.1
121	31.5	25.6	38.4





#39

Methvlcvclohexane

Concen: 48.651 ug/l

RT: 8.84 min Scan# 754

Delta R.T. 0.00 min

Lab File: VD061489.D

Acq: 2 Apr 2019 2:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 437647

Ion Ratio Lower Upper

83 100

55 86.5 71.5 107.3

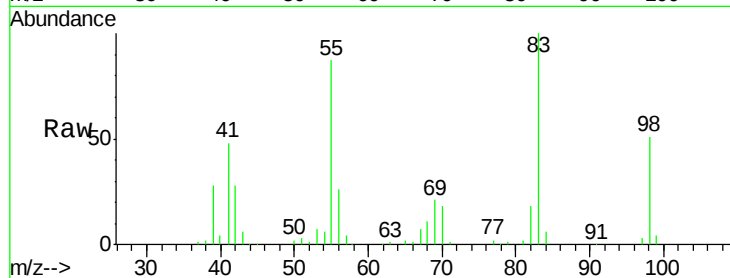
98 51.3 40.3 60.5

Manual Integrations

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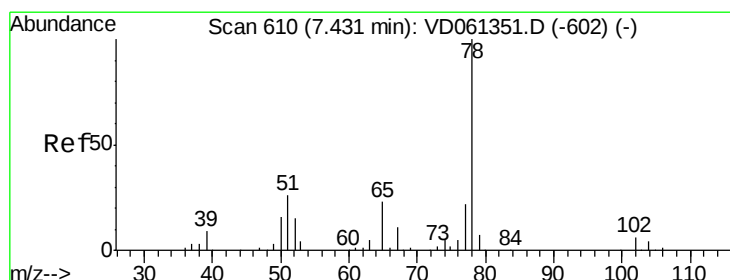
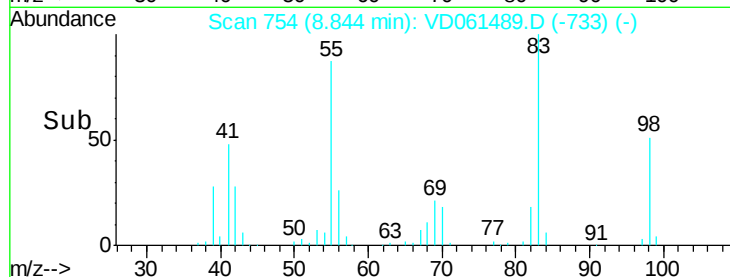
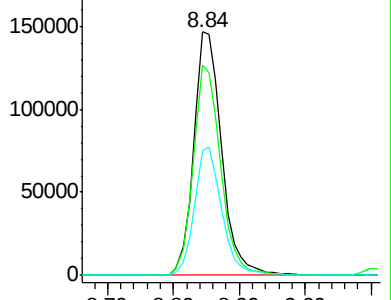
4/2/2019 11:39:18 AM



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 50.591 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD061489.D

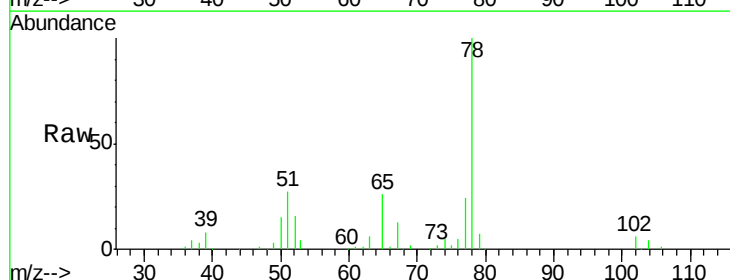
Acq: 2 Apr 2019 2:08

Tgt Ion: 78 Resp: 1096669

Ion Ratio Lower Upper

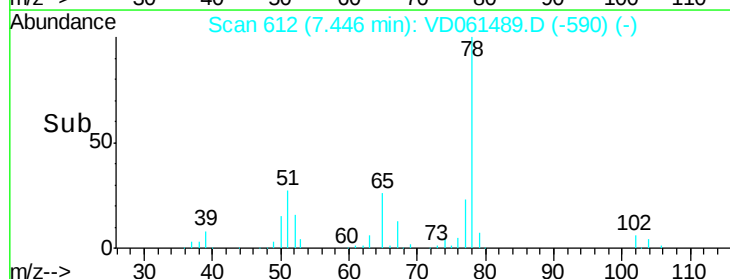
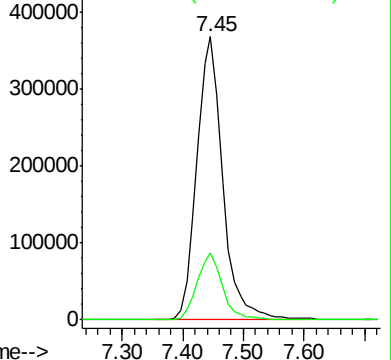
78 100

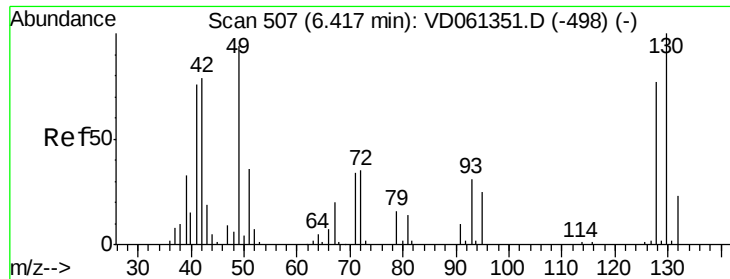
77 23.6 17.8 26.6



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





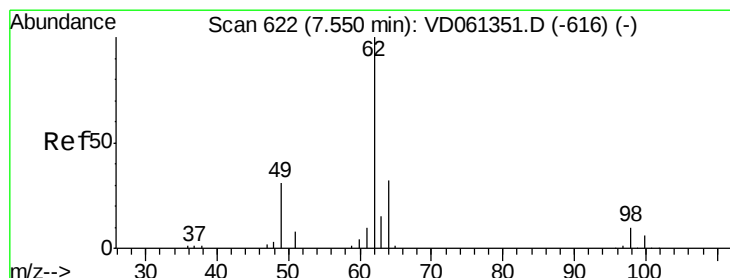
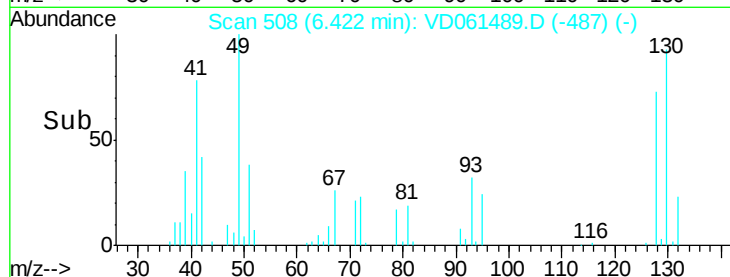
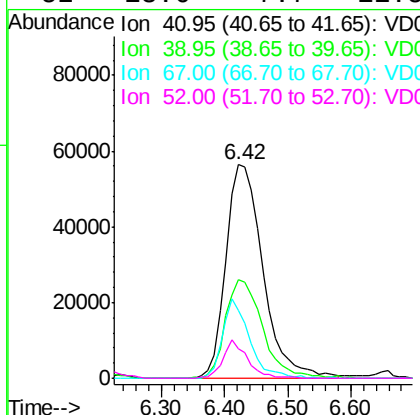
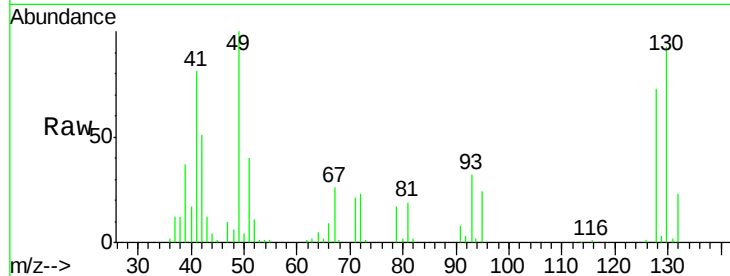
#41
Methacrylonitrile
Concen: 53.234 ug/l
RT: 6.42 min Scan# 508
Delta R.T. 0.00 min
Lab File: VD061489.D
Acq: 2 Apr 2019 2:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	45.9	35.0	52.6
67	32.0	21.0	31.6#
52	13.6	7.7	11.5#

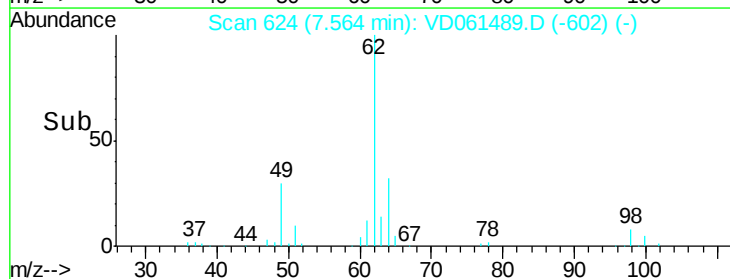
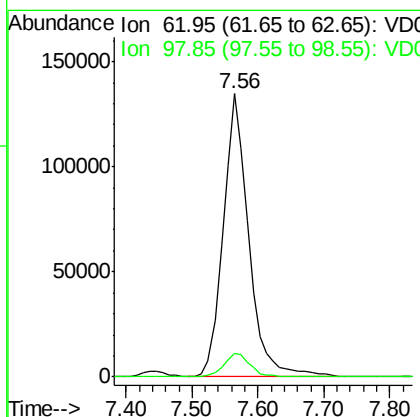
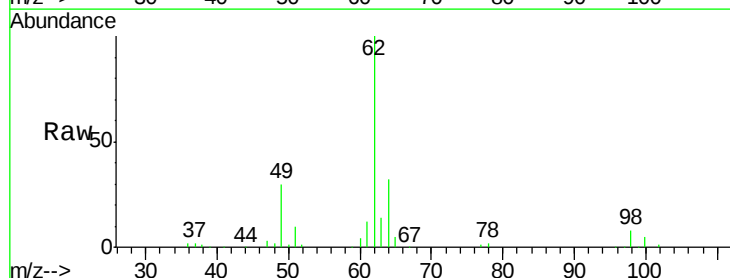
Manual Integrations
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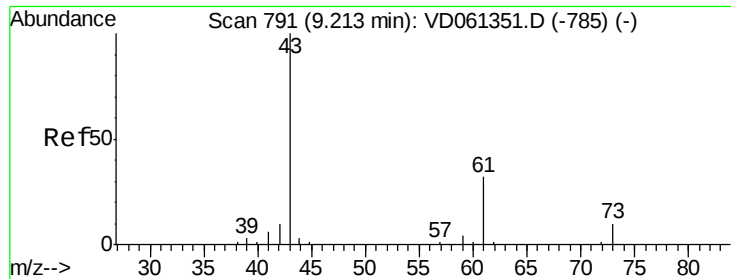
MMDadoda
4/2/2019 11:39:18 AM



#42
1,2-Dichloroethane
Concen: 56.312 ug/l
RT: 7.56 min Scan# 624
Delta R.T. 0.01 min
Lab File: VD061489.D
Acq: 2 Apr 2019 2:08

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	19.8





#43

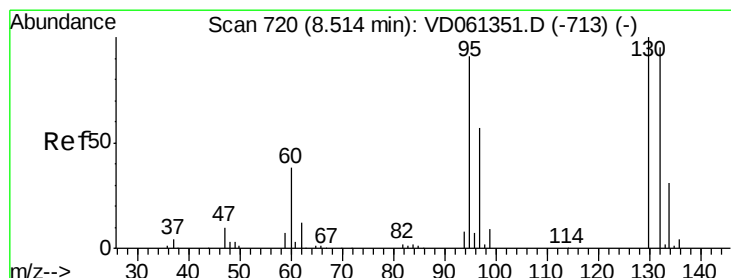
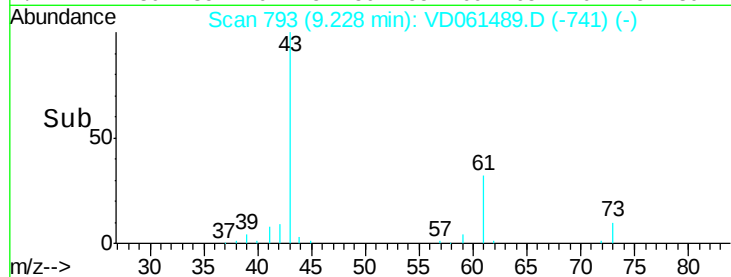
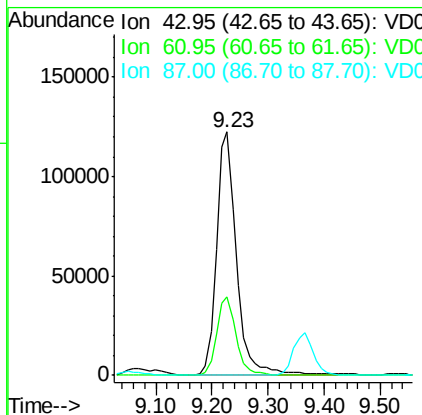
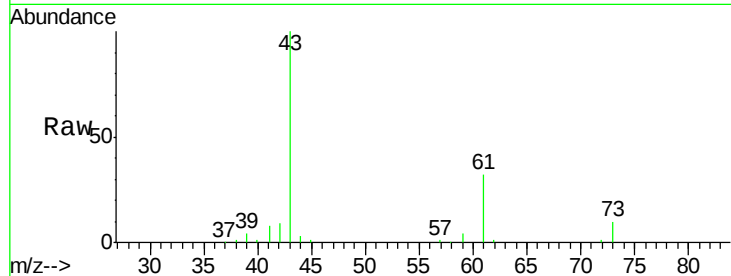
Isopropyl Acetate
 Concen: 55.926 ug/l
 RT: 9.23 min Scan# 793
 Delta R.T. 0.01 min
 Lab File: VD061489.D
 Acq: 2 Apr 2019 2:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	32.4	25.8	38.6
87	0.0	0.0	0.0

Manual Integrations
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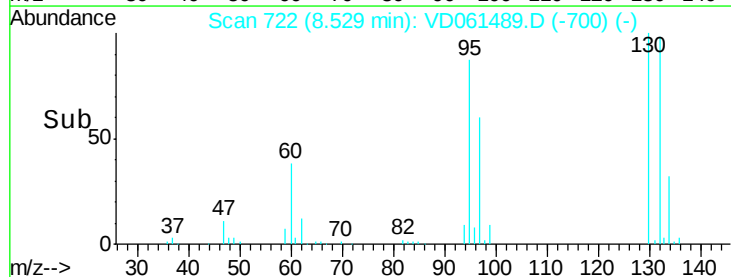
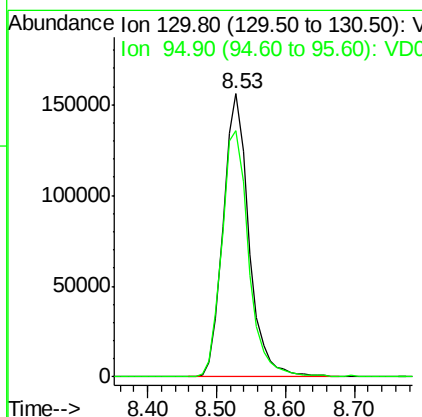
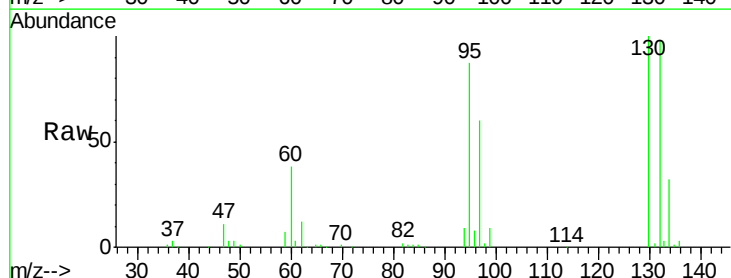
MMDadoda
 4/2/2019 11:39:18 AM

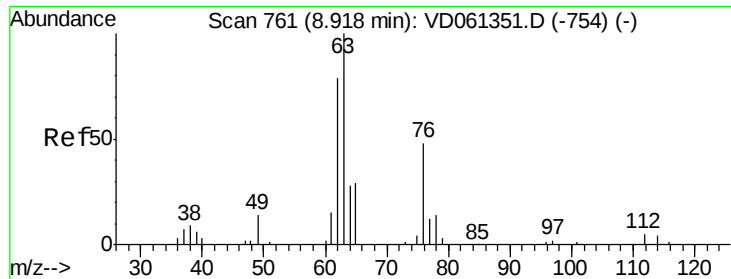


#44

Trichloroethene
 Concen: 50.200 ug/l
 RT: 8.53 min Scan# 722
 Delta R.T. 0.01 min
 Lab File: VD061489.D
 Acq: 2 Apr 2019 2:08

Tgt Ion	Ratio	Lower	Upper
130	100		
95	87.2	0.0	181.4





#45

1,2-Dichloropropane

Concen: 53.313 ug/l

RT: 8.92 min Scan# 762

Delta R.T. 0.00 min

Lab File: VD061489.D

Acq: 2 Apr 2019 2:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 293045

Ion Ratio Lower Upper

63 100

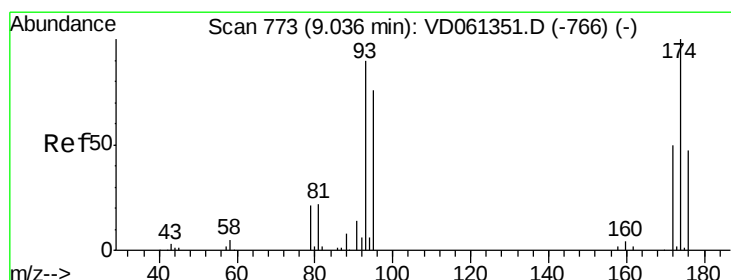
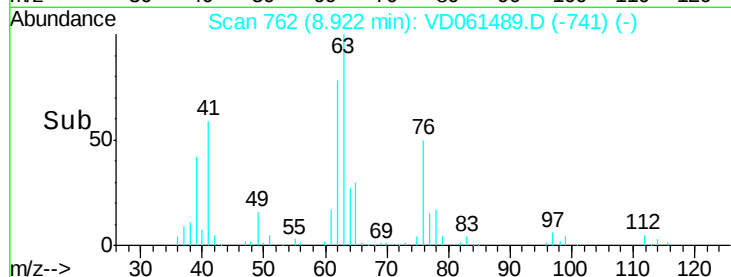
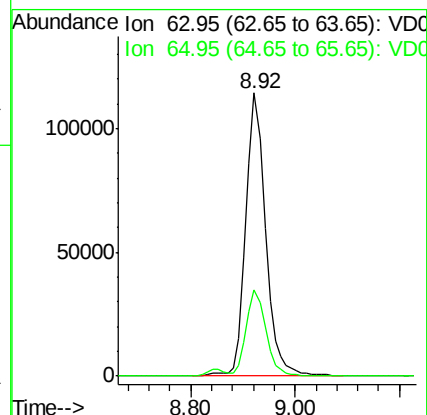
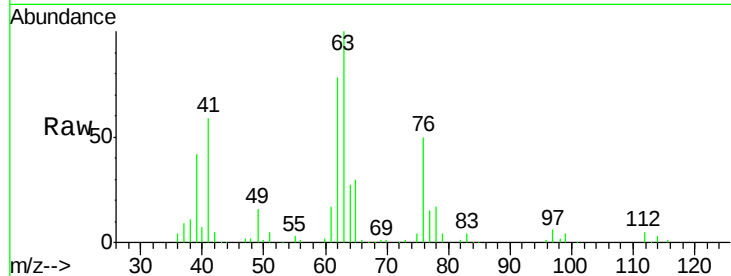
65 30.4 25.0 37.4

Manual Integrations

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MMDadoda

4/2/2019 11:39:18 AM



#46

Dibromomethane

Concen: 57.602 ug/l

RT: 9.05 min Scan# 775

Delta R.T. 0.01 min

Lab File: VD061489.D

Acq: 2 Apr 2019 2:08

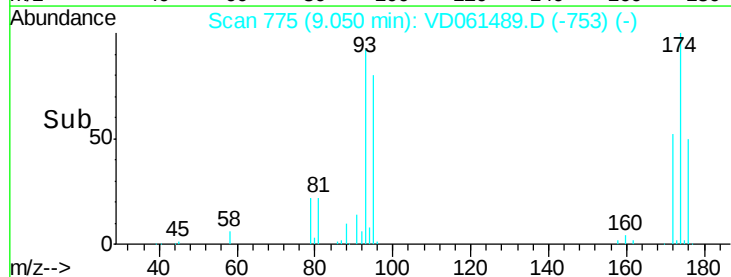
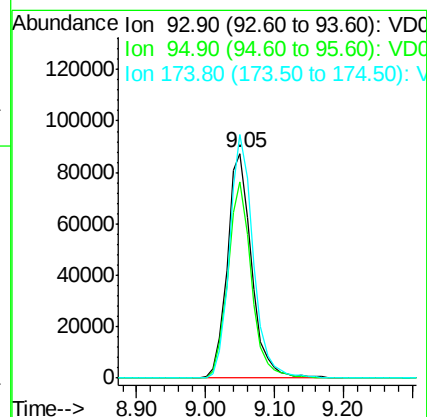
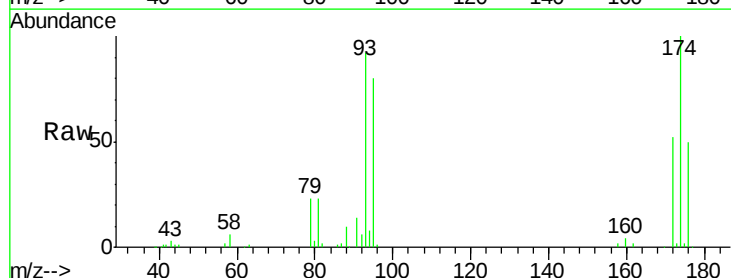
Tgt Ion: 93 Resp: 213109

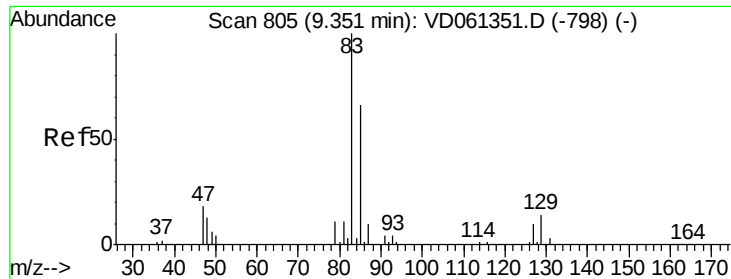
Ion Ratio Lower Upper

93 100

95 87.1 67.4 101.0

174 108.3 88.9 133.3





#47

Bromodichloromethane

Concen: 60.067 ug/l

RT: 9.37 min Scan# 807

Delta R.T. 0.01 min

Lab File: VD061489.D

Acq: 2 Apr 2019 2:08

Instrument :

MSVOA_D

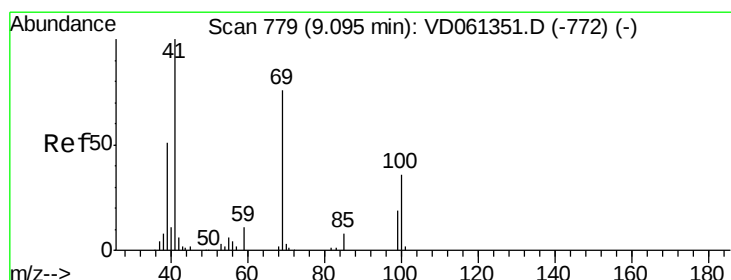
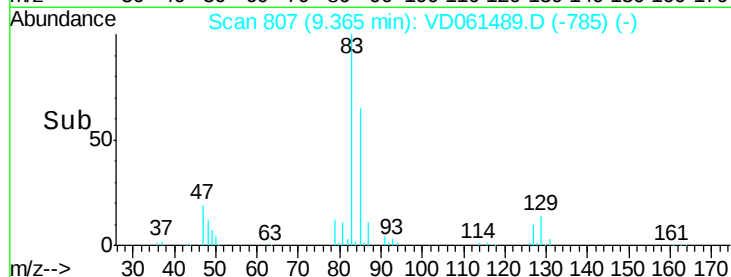
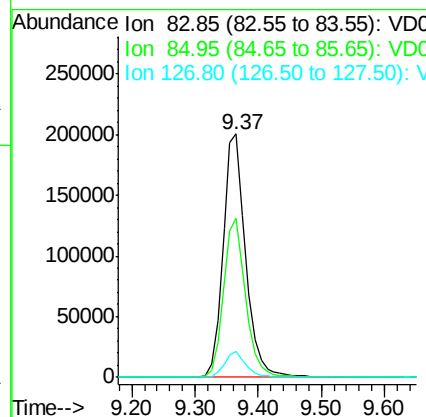
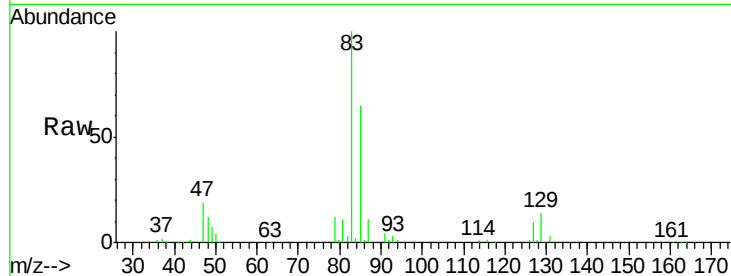
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	498781
Ion	Ratio	Lower	Upper
83	100		
85	65.2	53.0	79.4
127	10.5	8.4	12.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 55.809 ug/l

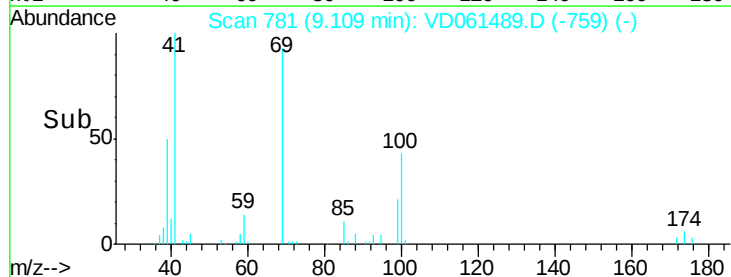
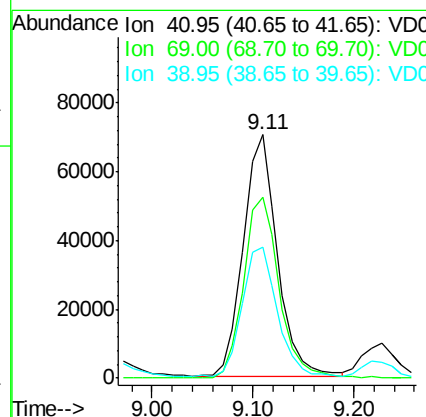
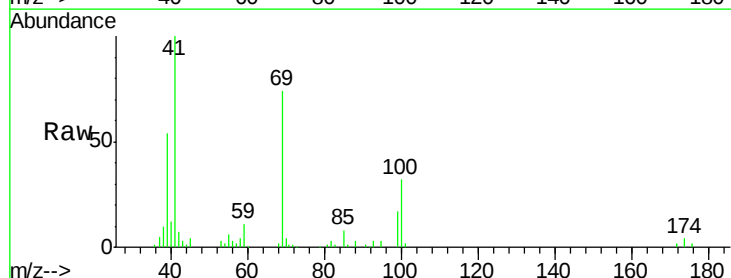
RT: 9.11 min Scan# 781

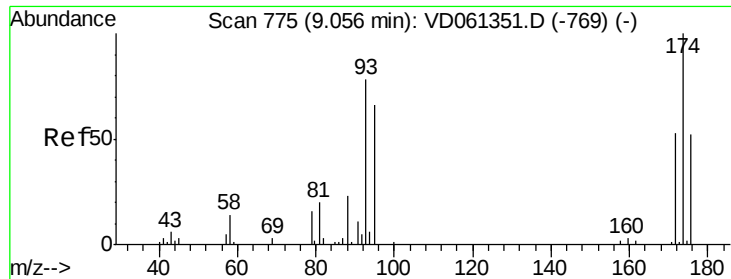
Delta R.T. 0.01 min

Lab File: VD061489.D

Acq: 2 Apr 2019 2:08

Tgt Ion:	41	Resp:	165540
Ion	Ratio	Lower	Upper
41	100		
69	74.2	60.2	90.4
39	54.0	41.4	62.2





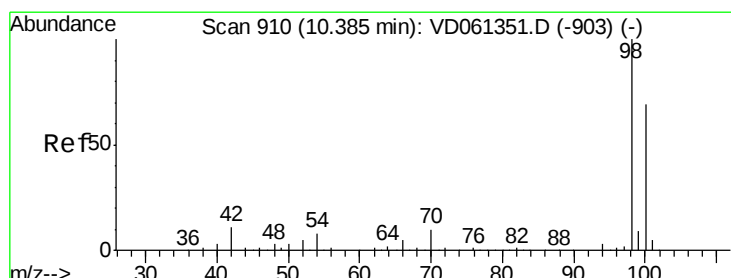
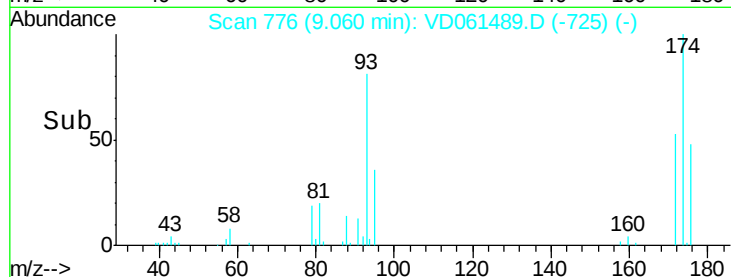
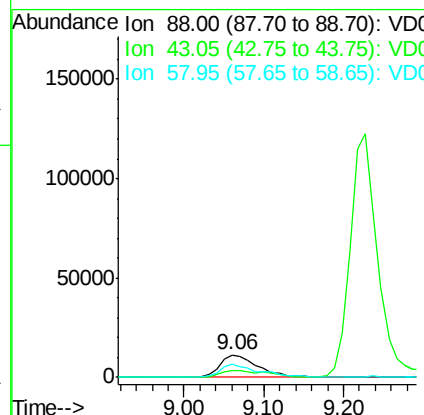
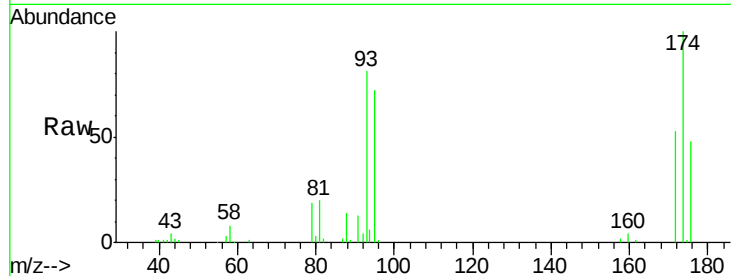
#49
 1,4-Dioxane
 Concen: 1153.785 ug/l
 RT: 9.06 min Scan# 776
 Delta R.T. 0.00 min
 Lab File: VD061489.D
 Acq: 2 Apr 2019 2:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.4	23.3	34.9
58	58.5	50.8	76.2

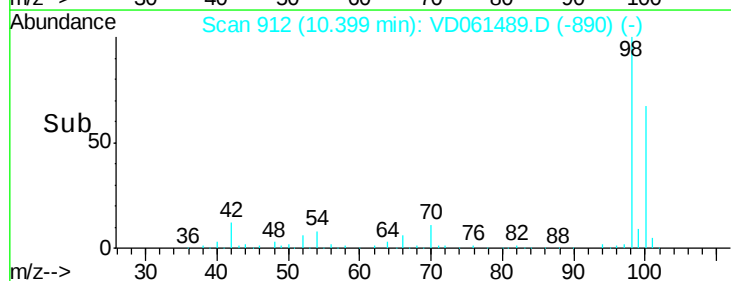
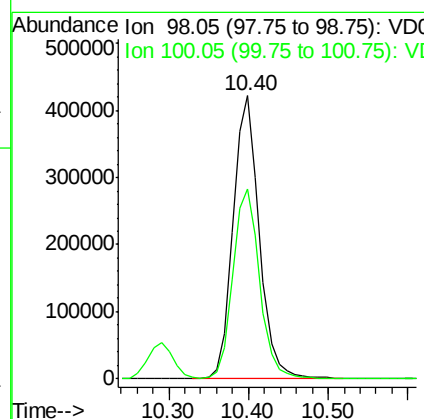
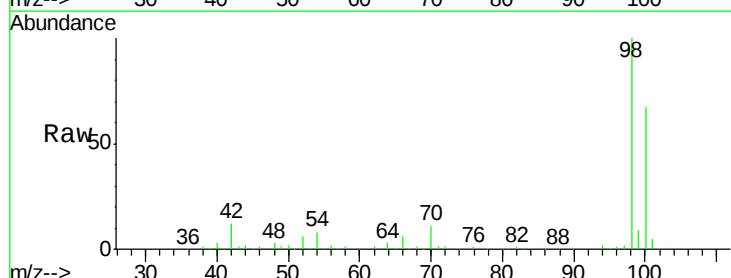
Manual Integrations
 APPROVED

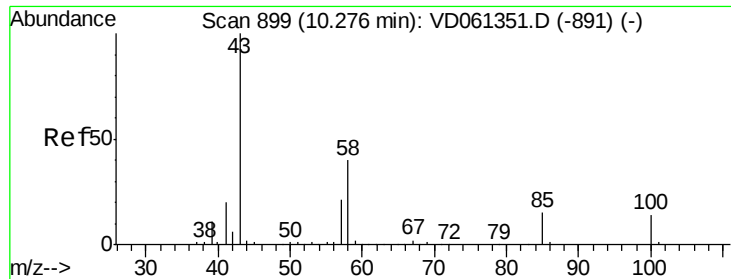
MMDadoda
 4/2/2019 11:39:18 AM



#50
 Toluene-d8
 Concen: 1153.785 ug/l
 RT: 10.40 min Scan# 912
 Delta R.T. 0.01 min
 Lab File: VD061489.D
 Acq: 2 Apr 2019 2:08

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.3	56.2	84.2





#51

4-Methyl-2-Pentanone

Concen: 285.953 ug/l

RT: 10.29 min Scan# 901

Delta R.T. 0.01 min

Lab File: VD061489.D

Acq: 2 Apr 2019 2:08

Tot Ion: 43 Resp: 935028

Ion Ratio Lower Upper

43 100

58 38.3 31.8 47.8

Instrument :

MSVOA_D

ClientSampleID :

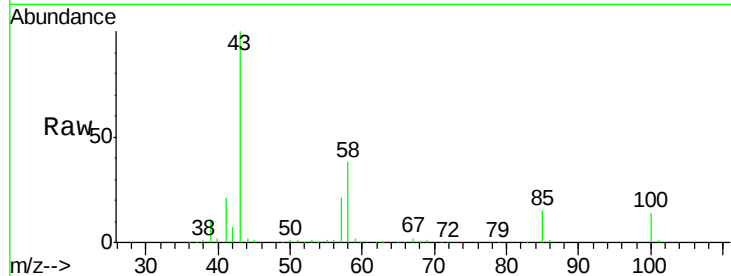
VSTDCCC050

Manual Integrations

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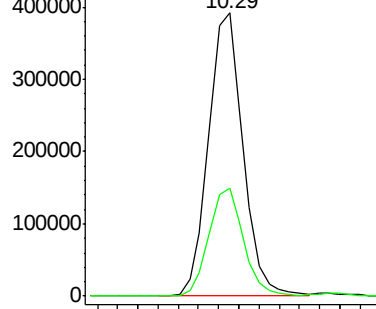
MMDadoda

4/2/2019 11:39:18 AM

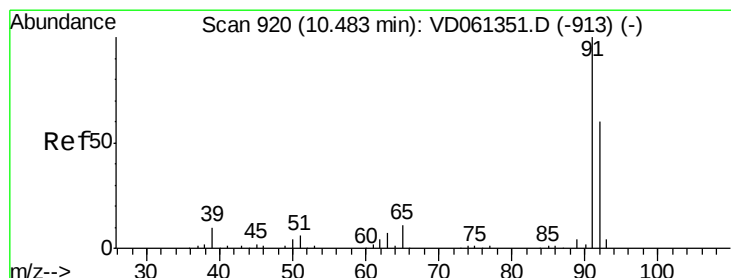
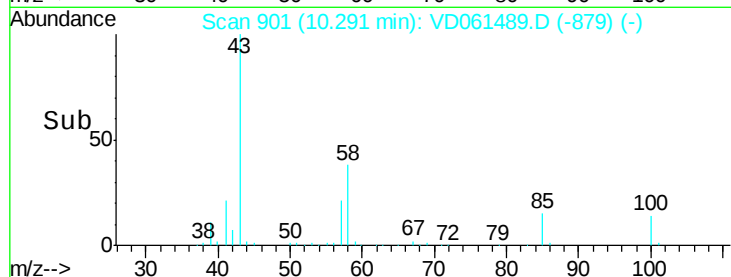


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



Time-->



#52

Toluene

Concen: 51.485 ug/l

RT: 10.50 min Scan# 922

Delta R.T. 0.01 min

Lab File: VD061489.D

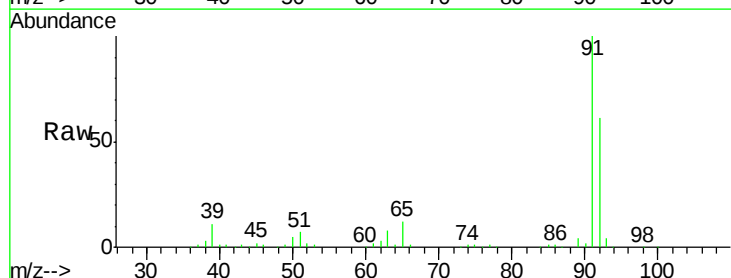
Acq: 2 Apr 2019 2:08

Tgt Ion: 92 Resp: 680874

Ion Ratio Lower Upper

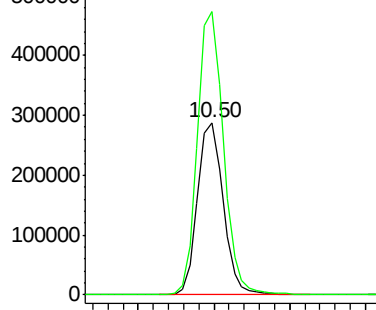
92 100

91 164.2 133.3 199.9

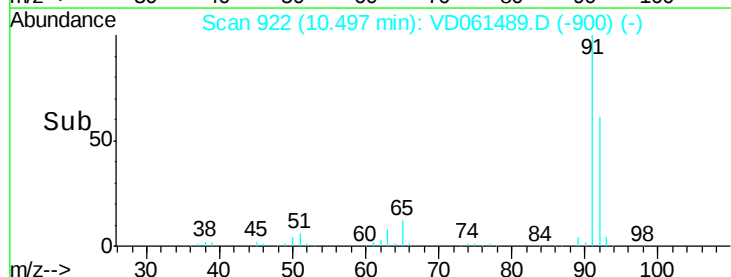


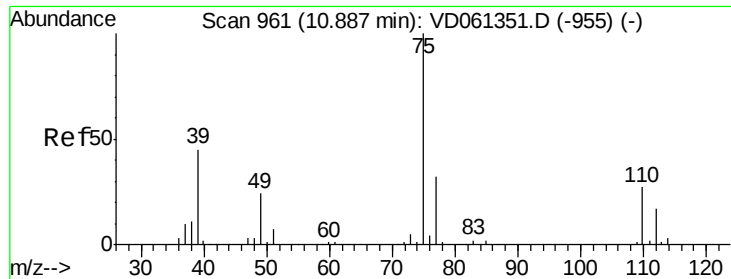
Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



Time-->





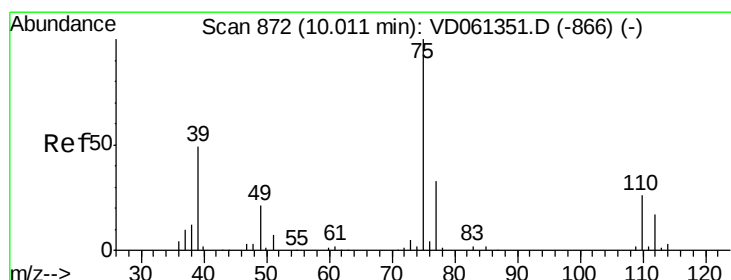
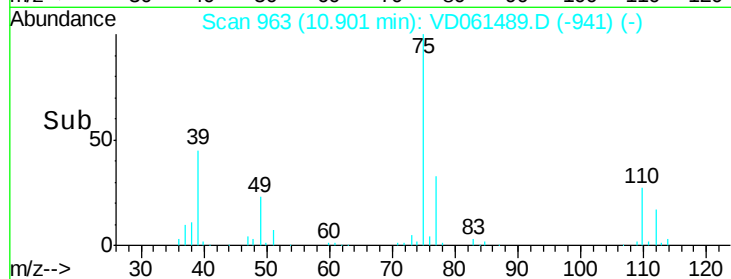
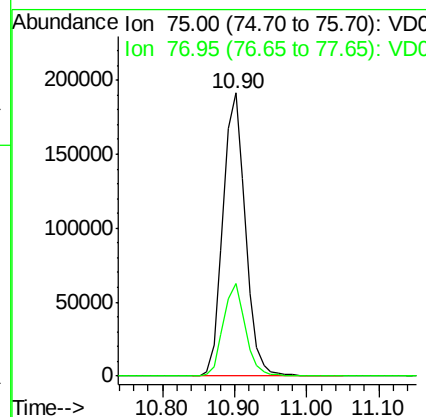
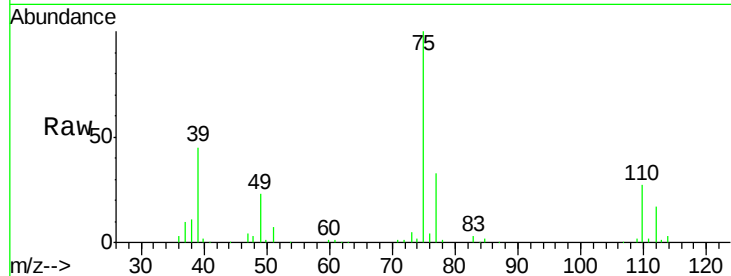
#53
 t-1,3-Dichloropropene
 Concen: 54.236 ug/l
 RT: 10.90 min Scan# 963
 Delta R.T. 0.01 min
 Lab File: VD061489.D
 Acq: 2 Apr 2019 2:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 409173
 Ion Ratio Lower Upper
 75 100
 77 32.6 25.4 38.2

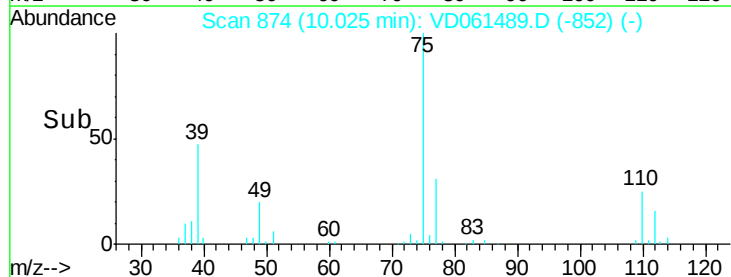
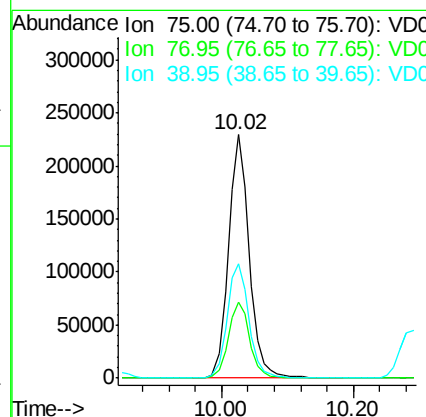
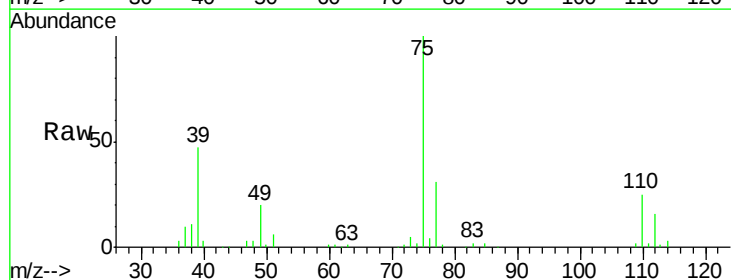
Manual Integrations
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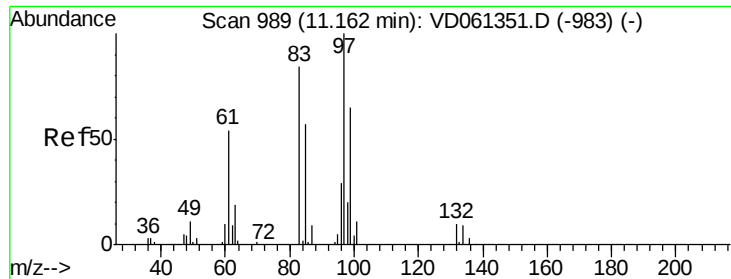
MMDadoda
 4/2/2019 11:39:18 AM



#54
 cis-1,3-Dichloropropene
 Concen: 54.853 ug/l
 RT: 10.02 min Scan# 874
 Delta R.T. 0.01 min
 Lab File: VD061489.D
 Acq: 2 Apr 2019 2:08

Tgt Ion: 75 Resp: 503901
 Ion Ratio Lower Upper
 75 100
 77 31.3 26.2 39.4
 39 46.8 39.4 59.0





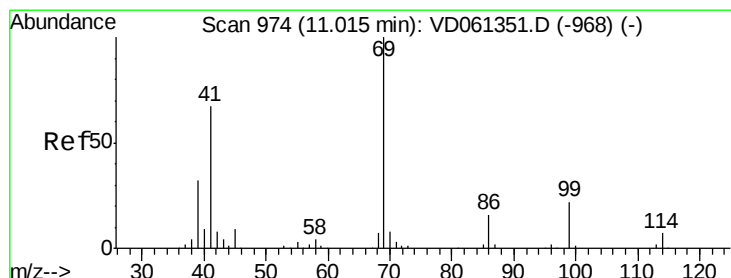
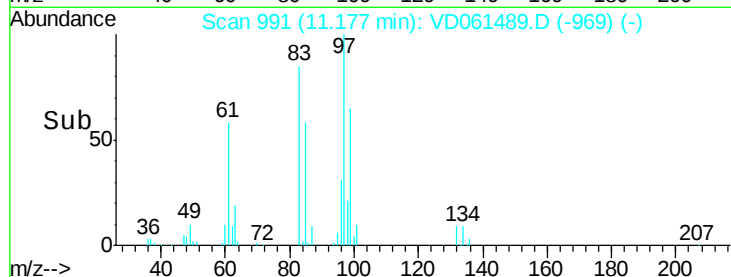
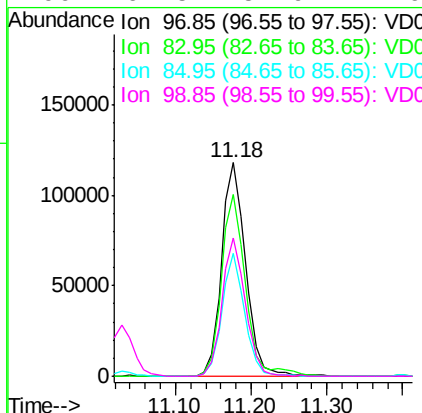
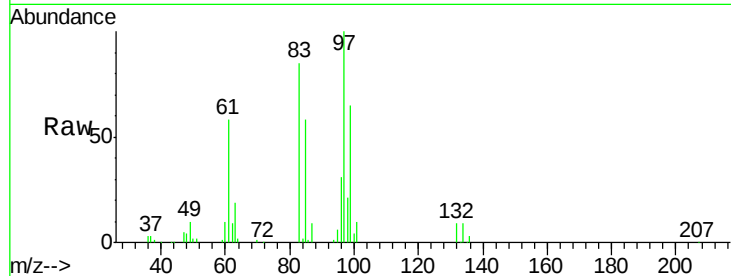
#55
 1,1,2-Trichloroethane
 Concen: 56.026 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. 0.01 min
 Lab File: VD061489.D
 Acq: 2 Apr 2019 2:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	259118
Ion	Ratio	Lower	Upper
97	100		
83	85.2	67.0	100.6
85	57.6	45.4	68.2
99	64.5	51.9	77.9

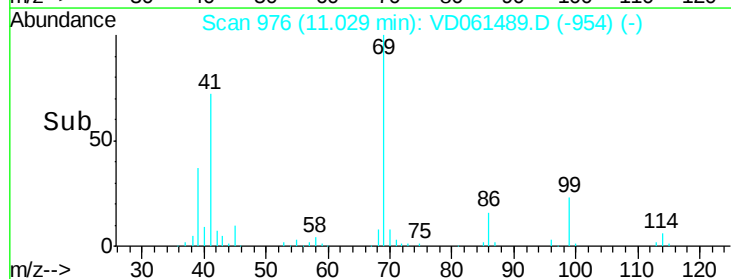
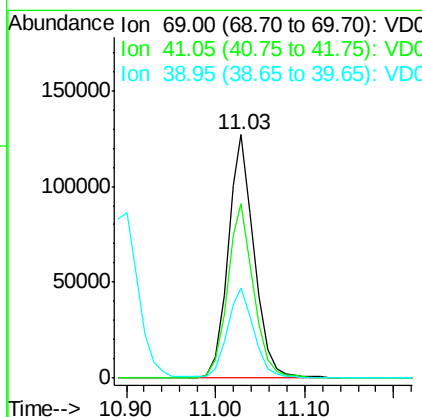
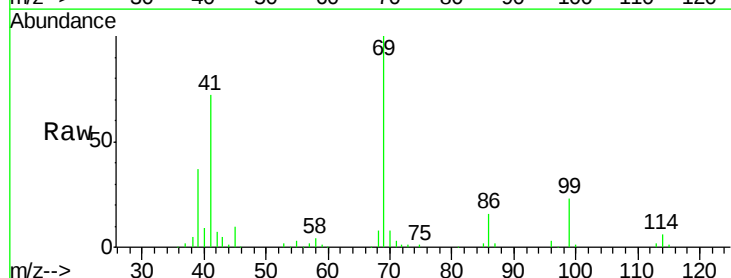
Manual Integrations
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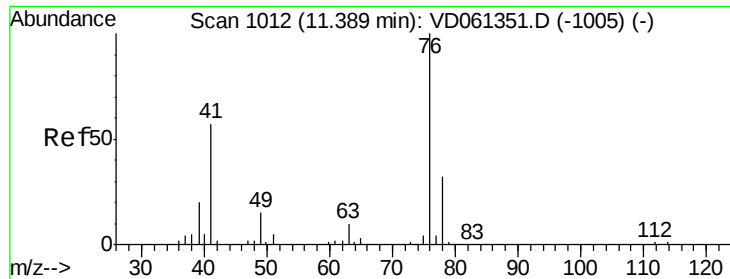
MMDadoda
 4/2/2019 11:39:18 AM



#56
 Ethyl methacrylate
 Concen: 52.047 ug/l
 RT: 11.03 min Scan# 976
 Delta R.T. 0.01 min
 Lab File: VD061489.D
 Acq: 2 Apr 2019 2:08

Tgt Ion:	69	Resp:	258592
Ion	Ratio	Lower	Upper
69	100		
41	71.8	53.8	80.6
39	36.8	26.4	39.6





#57

1,3-Dichloropropane

Concen: 55.182 ug/l

RT: 11.39 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VD061489.D

Acq: 2 Apr 2019 2:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 375118

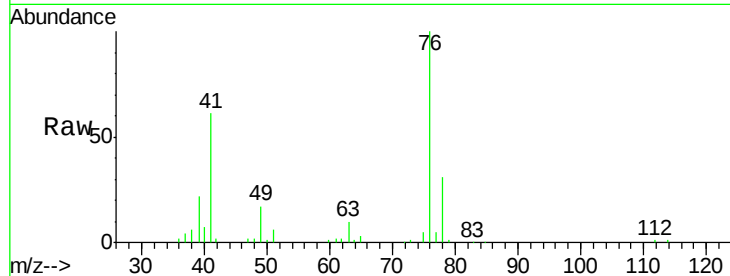
Ion Ratio Lower Upper

76 100

78 30.9 25.4 38.0

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Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.39

200000

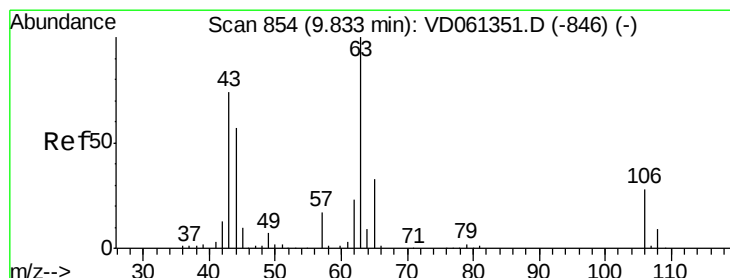
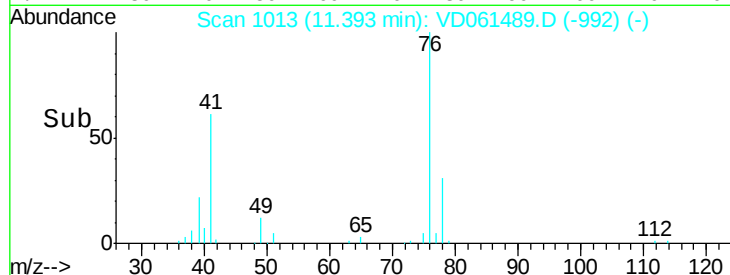
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 286.146 ug/l

RT: 9.85 min Scan# 856

Delta R.T. 0.01 min

Lab File: VD061489.D

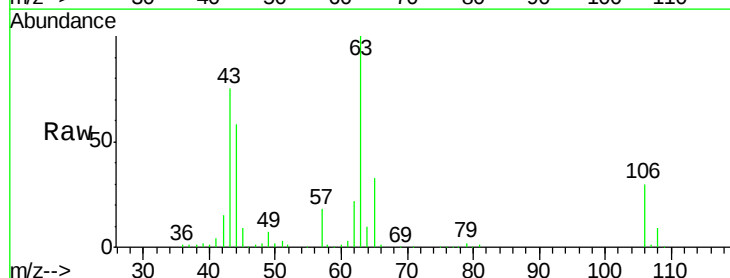
Acq: 2 Apr 2019 2:08

Tgt Ion: 63 Resp: 692359

Ion Ratio Lower Upper

63 100

106 30.0 22.4 33.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

9.85

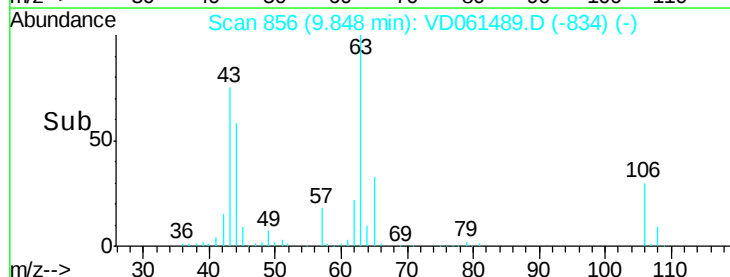
300000

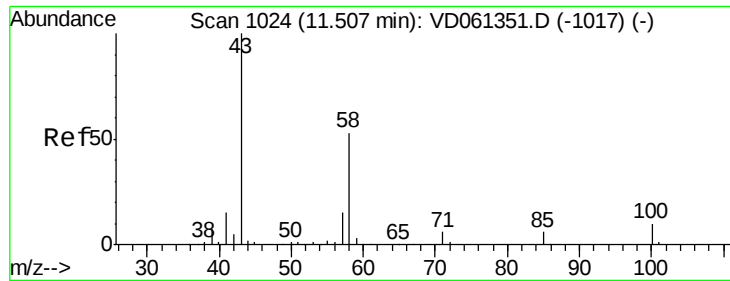
200000

100000

0

Time-->





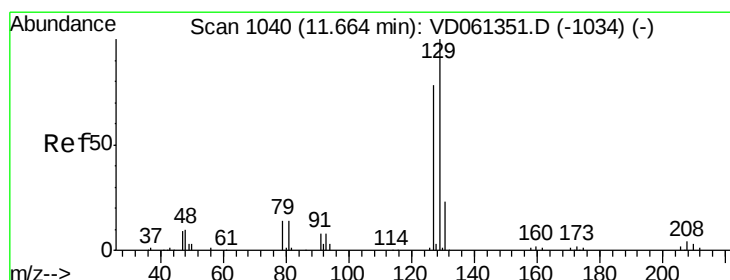
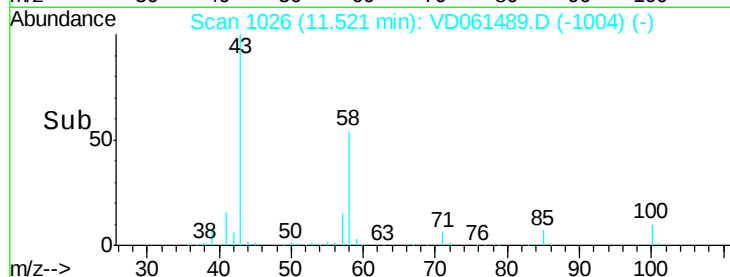
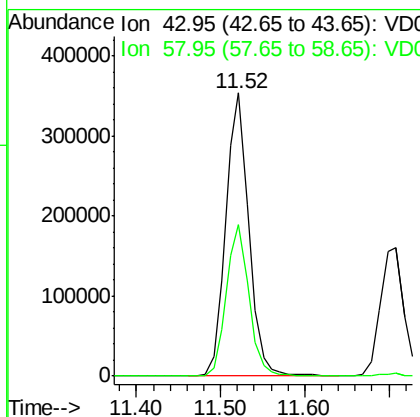
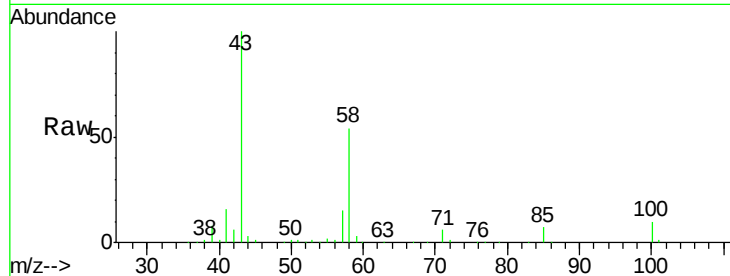
#59
2-Hexanone
Concen: 282.326 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. 0.01 min
Lab File: VD061489.D
Acq: 2 Apr 2019 2:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 668862
Ion Ratio Lower Upper
43 100
58 53.7 26.3 78.9

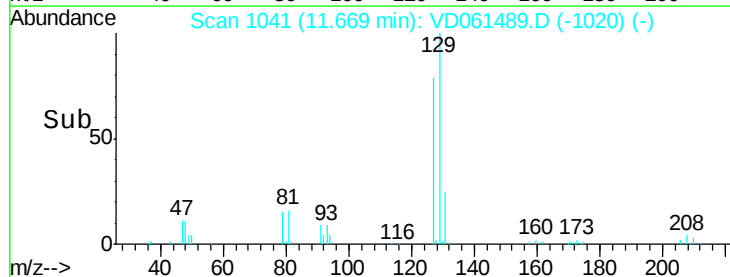
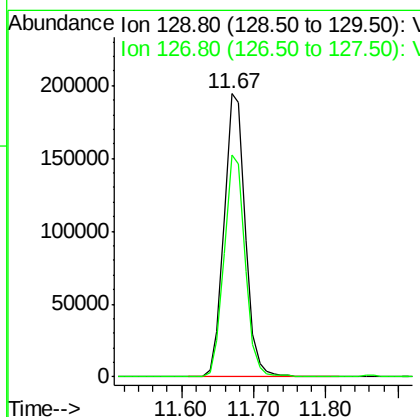
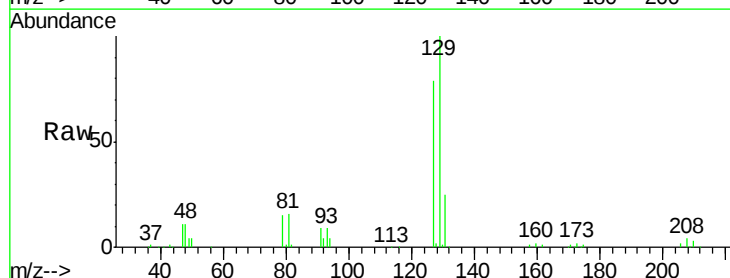
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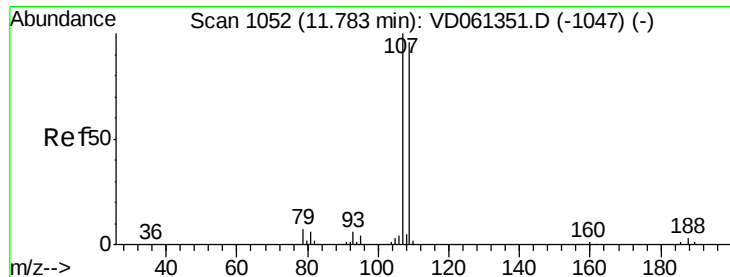
MMDadoda
4/2/2019 11:39:18 AM



#60
Dibromochloromethane
Concen: 55.405 ug/l
RT: 11.67 min Scan# 1041
Delta R.T. 0.00 min
Lab File: VD061489.D
Acq: 2 Apr 2019 2:08

Tgt Ion: 129 Resp: 395028
Ion Ratio Lower Upper
129 100
127 78.6 39.0 116.9





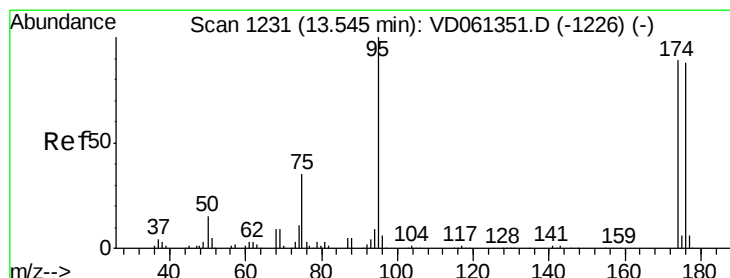
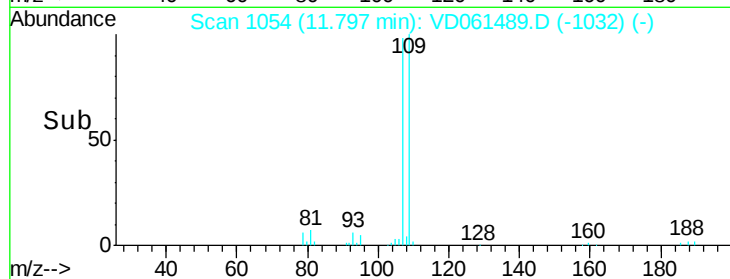
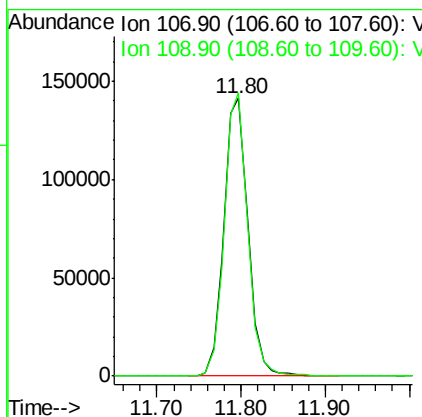
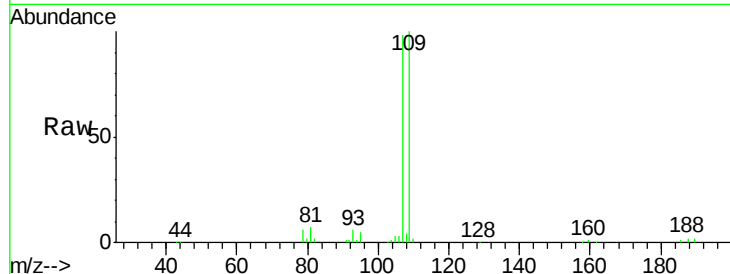
#61
1,2-Dibromoethane
Concen: 52.222 ug/l
RT: 11.80 min Scan# 1054
Delta R.T. 0.01 min
Lab File: VD061489.D
Acq: 2 Apr 2019 2:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	101.9	76.6	114.8

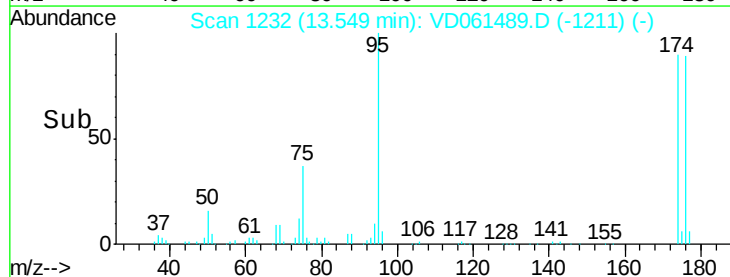
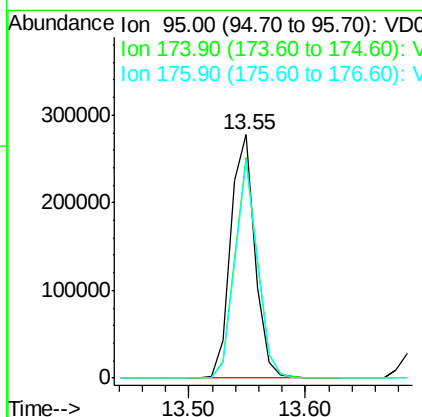
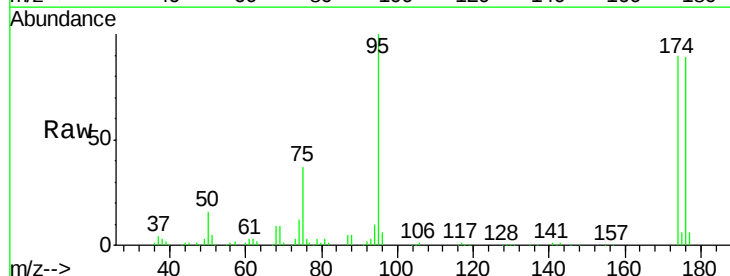
Manual Integrations
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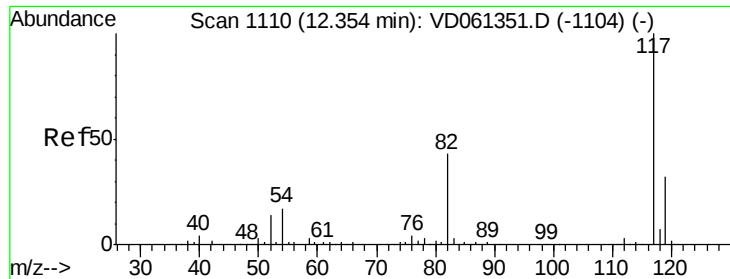
MMDadoda
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#62
4-Bromofluorobenzene
Concen: 52.222 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VD061489.D
Acq: 2 Apr 2019 2:08

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.4	0.0	178.0
176	89.5	0.0	175.0





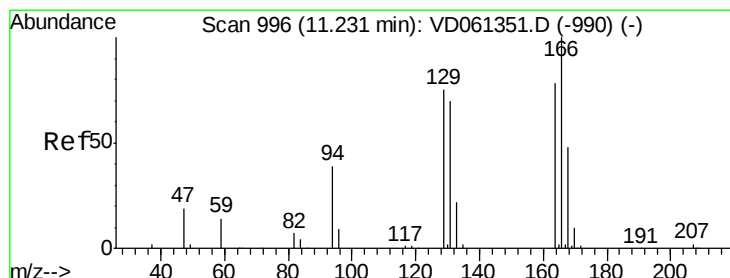
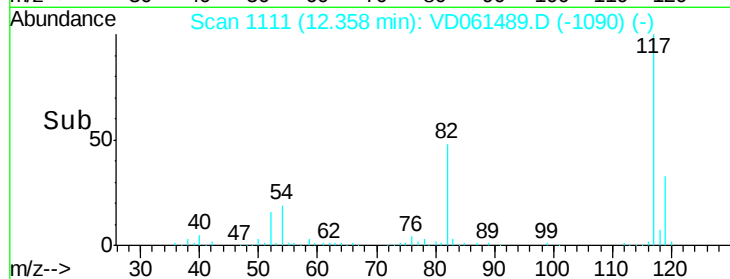
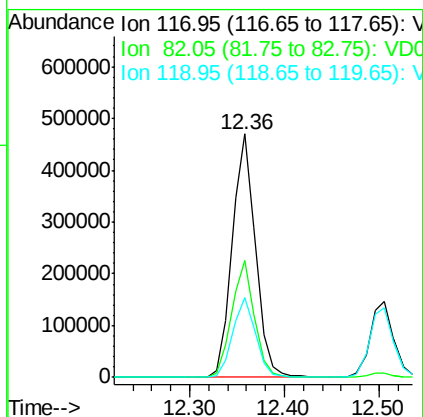
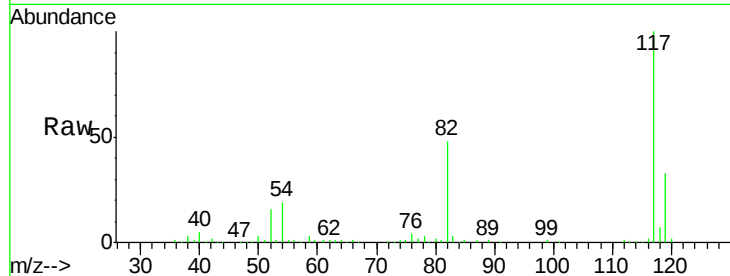
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD061489.D
Acq: 2 Apr 2019 2:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	47.9	34.4	51.6
119	32.6	25.8	38.6

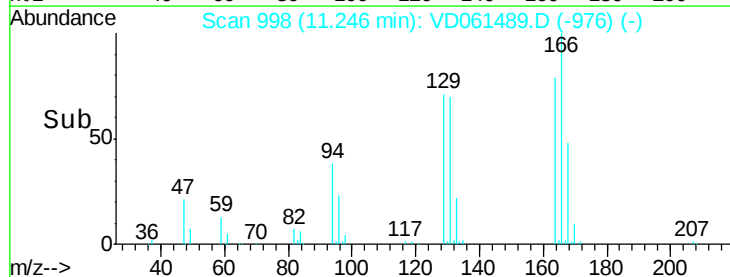
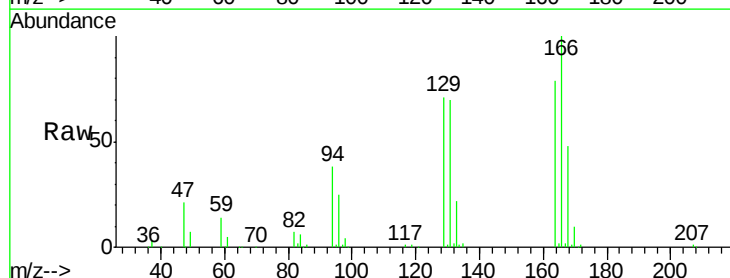
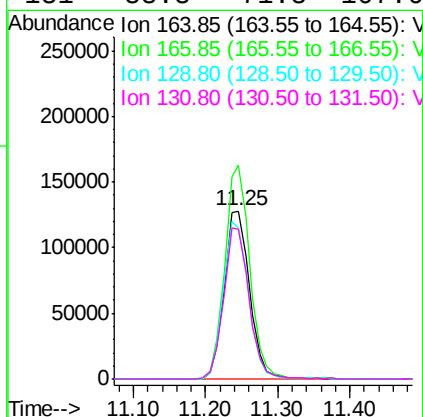
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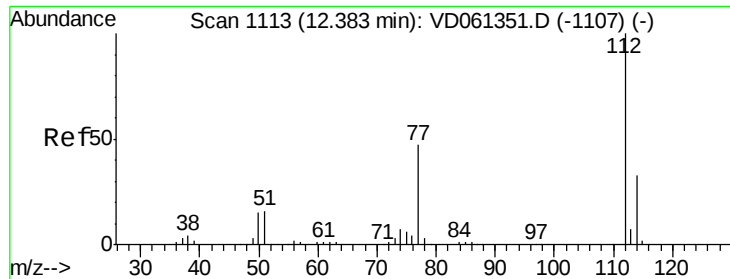
MMDadoda
4/2/2019 11:39:18 AM



#64
Tetrachloroethene
Concen: 49.889 ug/l
RT: 11.25 min Scan# 998
Delta R.T. 0.01 min
Lab File: VD061489.D
Acq: 2 Apr 2019 2:08

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.0	102.4	153.6
129	89.9	76.8	115.2
131	88.8	71.8	107.6





#65

Chlorobenzene

Concen: 55.496 ug/l

RT: 12.39 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VD061489.D

Acq: 2 Apr 2019 2:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 905168

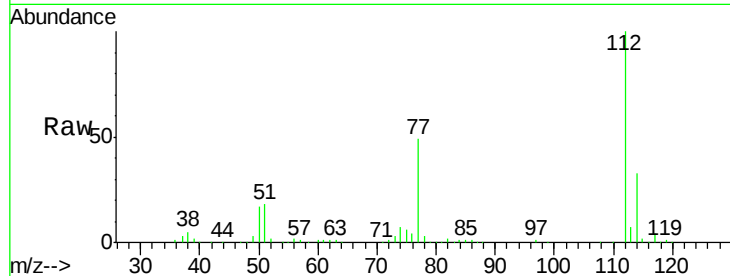
Ion Ratio Lower Upper

112 100

114 32.7 26.6 39.8

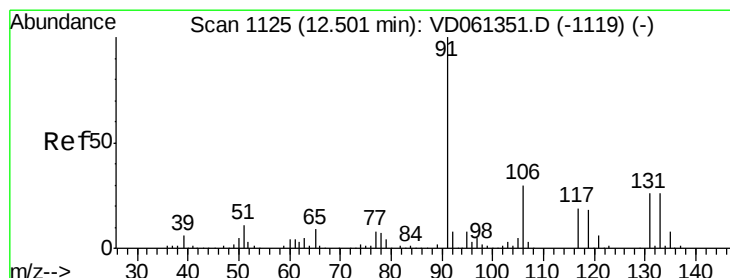
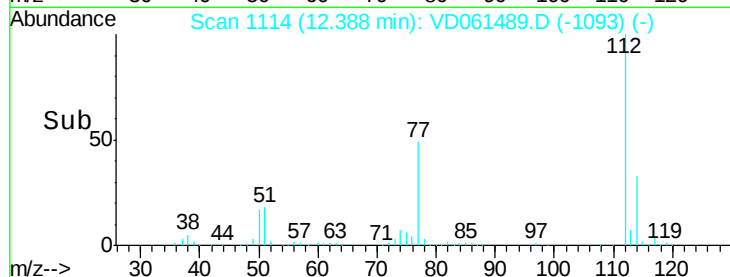
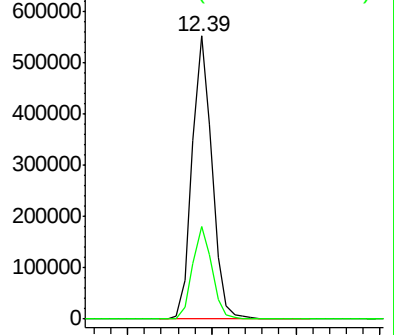
Manual Integrations
APPROVED

MMDadoda
4/2/2019 11:39:18 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 56.839 ug/l

RT: 12.51 min Scan# 1126

Delta R.T. 0.00 min

Lab File: VD061489.D

Acq: 2 Apr 2019 2:08

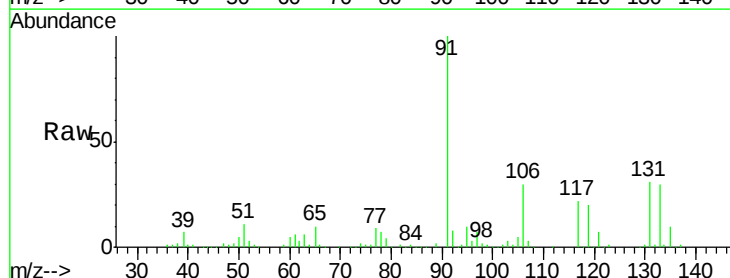
Tgt Ion:131 Resp: 358951

Ion Ratio Lower Upper

131 100

133 98.7 49.4 148.2

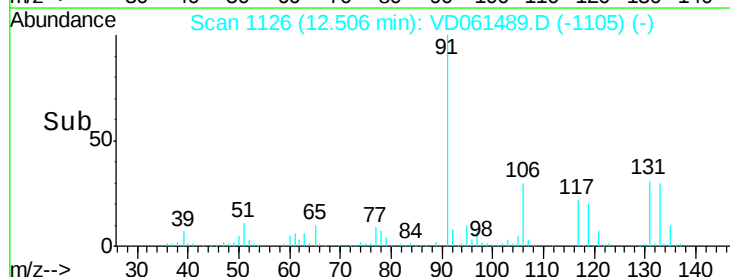
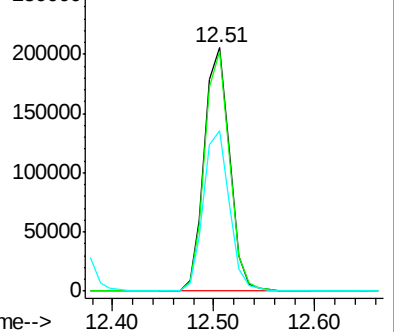
119 65.7 34.1 102.2

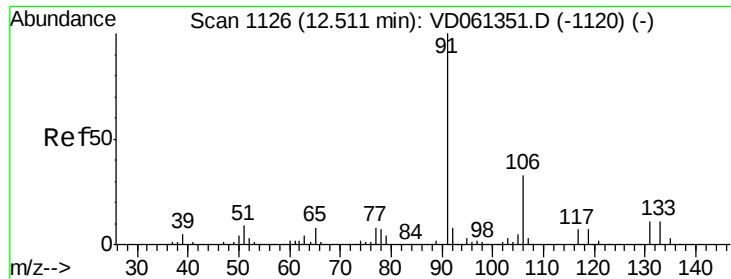


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V





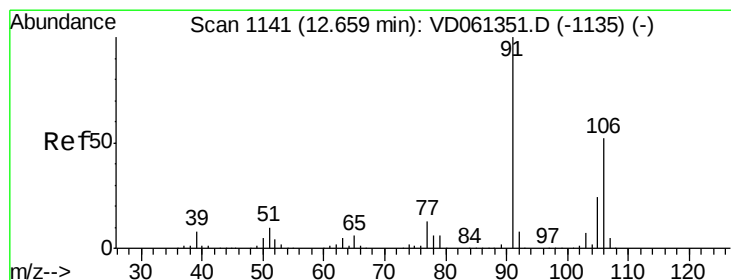
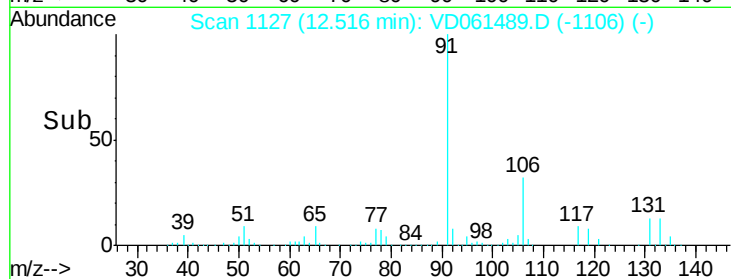
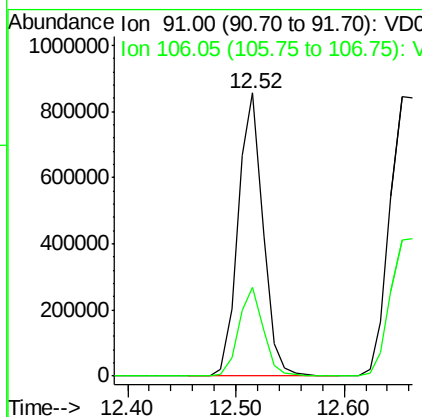
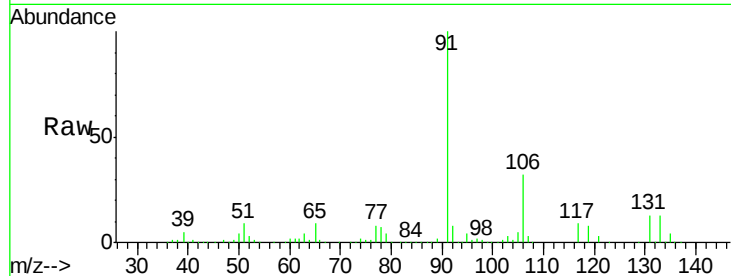
#67
Ethyl Benzene
Concen: 54.880 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD061489.D
Acq: 2 Apr 2019 2:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1366286
Ion Ratio Lower Upper
91 100
106 31.6 26.1 39.1

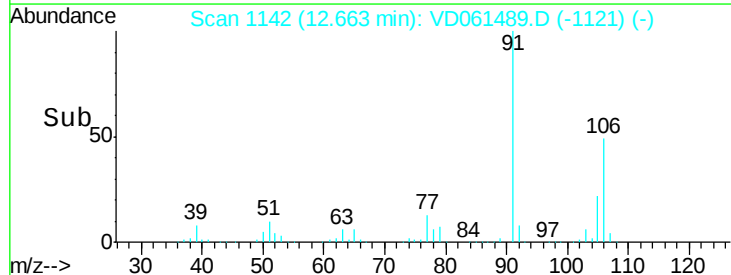
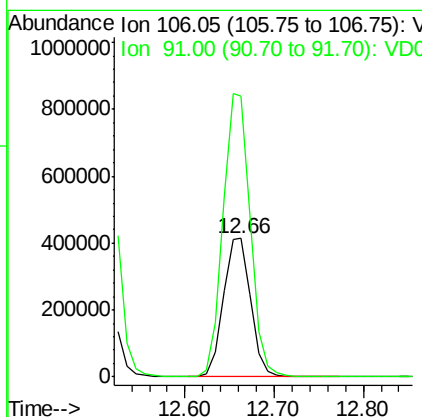
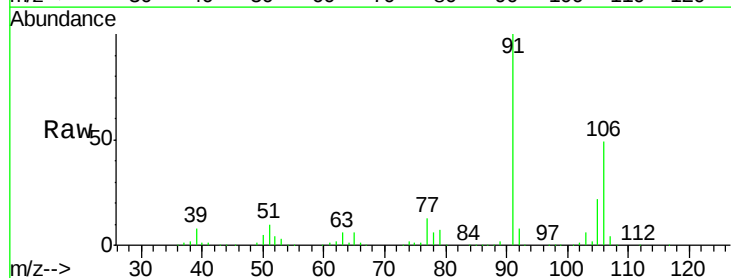
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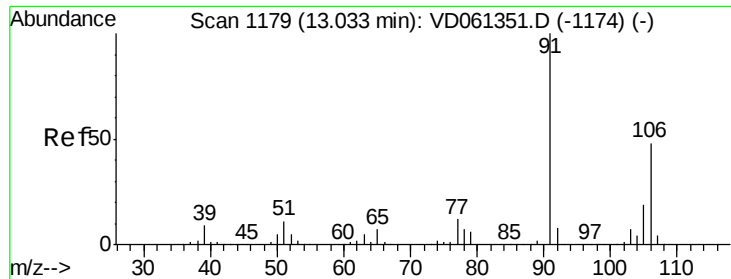
MMDadoda
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#68
m/p-Xylenes
Concen: 94.790 ug/l
RT: 12.66 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VD061489.D
Acq: 2 Apr 2019 2:08

Tgt Ion: 106 Resp: 893922
Ion Ratio Lower Upper
106 100
91 202.8 153.1 229.7





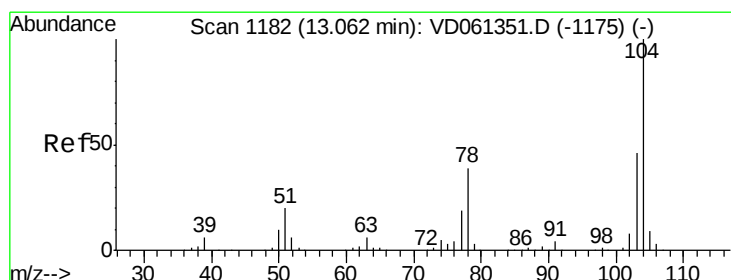
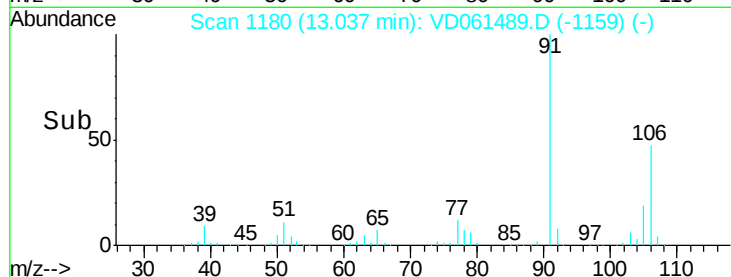
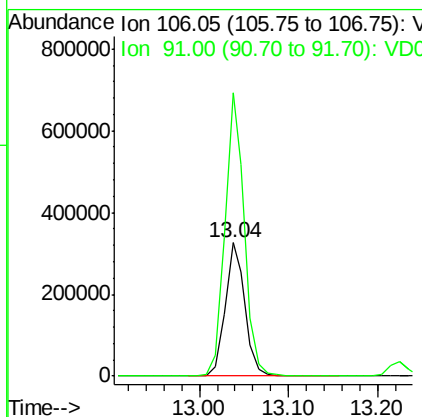
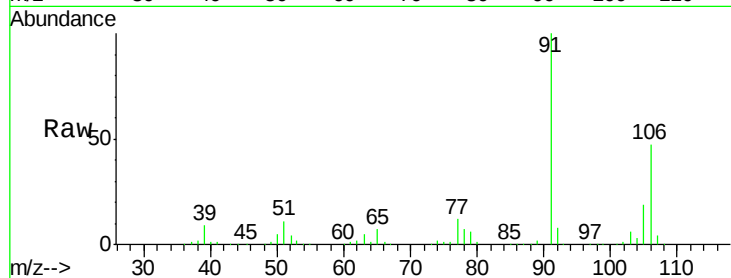
#69
o-Xylene
Concen: 55.385 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VD061489.D
Acq: 2 Apr 2019 2:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 506867
Ion Ratio Lower Upper
106 100
91 212.4 103.8 311.3

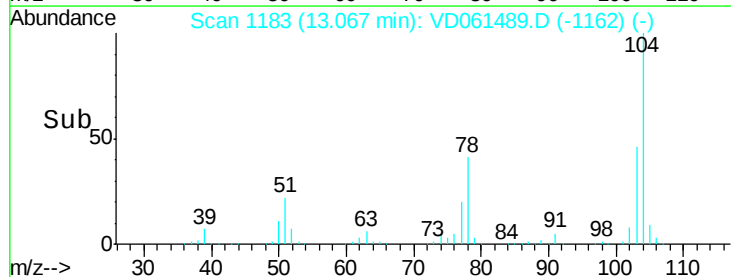
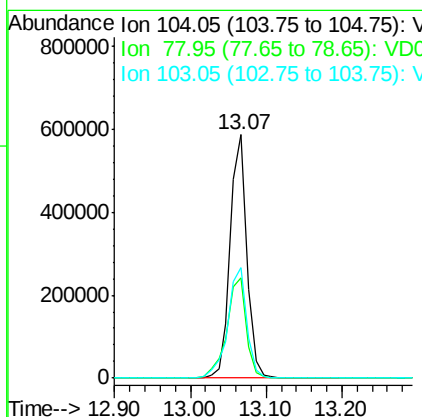
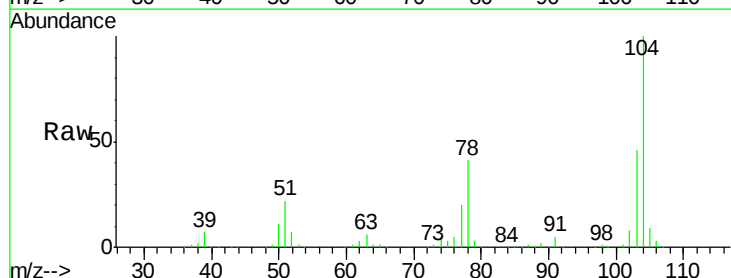
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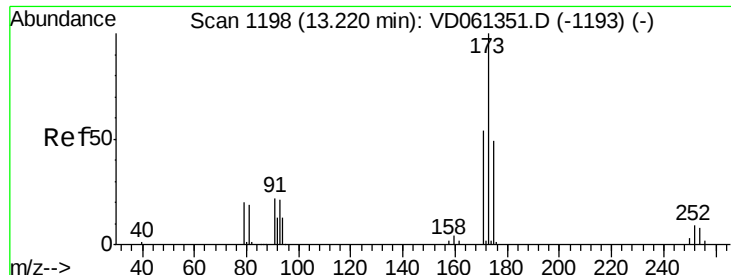
MMDadoda
4/2/2019 11:39:18 AM



#70
Styrene
Concen: 55.596 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VD061489.D
Acq: 2 Apr 2019 2:08

Tgt Ion:104 Resp: 886937
Ion Ratio Lower Upper
104 100
78 41.1 31.0 46.6
103 45.6 37.0 55.4





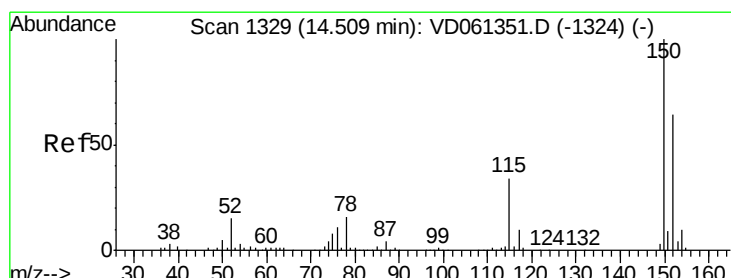
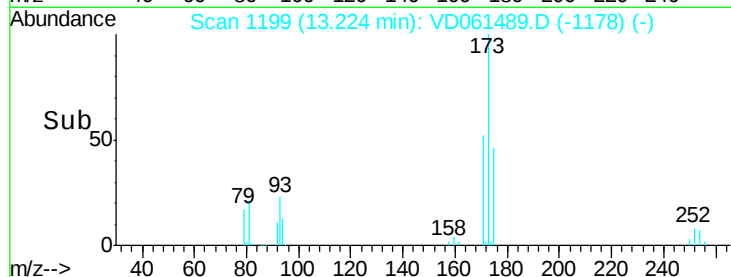
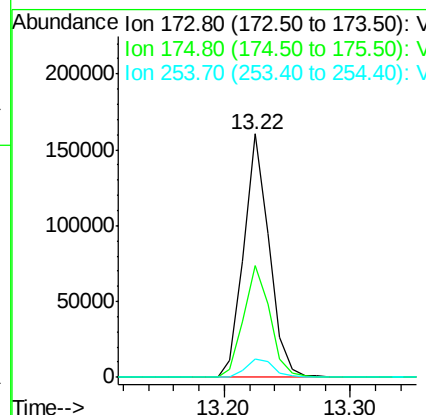
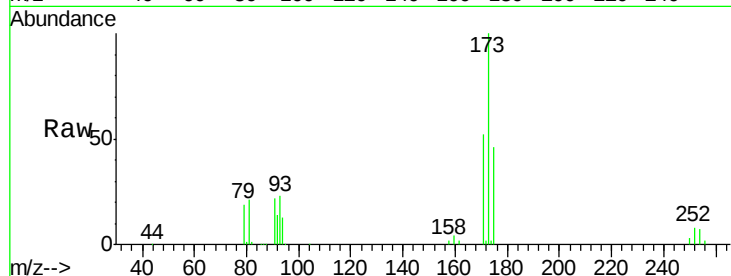
#71
Bromoform
Concen: 55.666 ug/l
RT: 13.22 min Scan# 1199
Delta R.T. 0.00 min
Lab File: VD061489.D
Acq: 2 Apr 2019 2:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.0	24.6	73.8
254	7.4	6.6	10.0

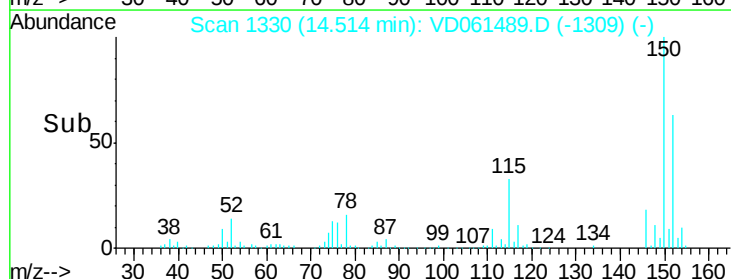
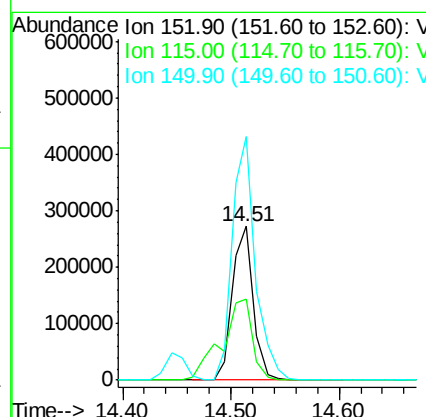
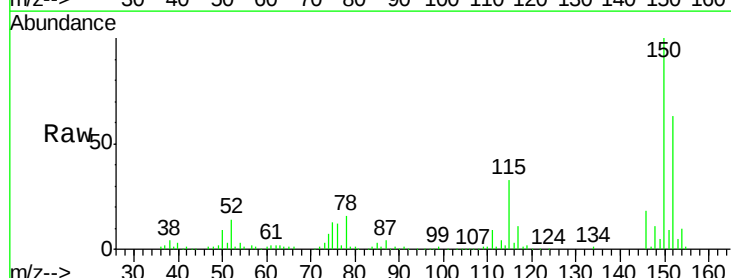
Manual Integrations
APPROVED

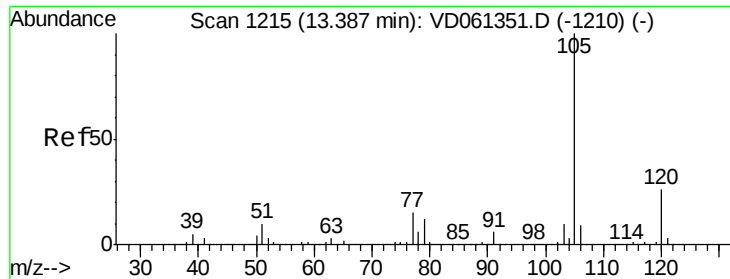
MMDadoda
4/2/2019 11:39:18 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD061489.D
Acq: 2 Apr 2019 2:08

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.0	26.9	80.6
150	158.6	0.0	318.0





#73

Isopropylbenzene

Concen: 48.723 ug/l

RT: 13.39 min Scan# 1216

Delta R.T. 0.00 min

Lab File: VD061489.D

Acq: 2 Apr 2019 2:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 1236999

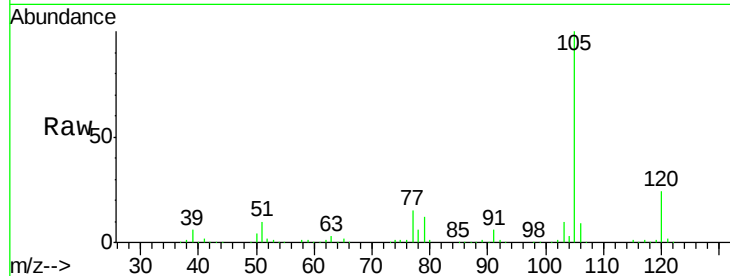
Ion Ratio Lower Upper

105 100

120 24.5 12.8 38.3

Manual Integrations
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MMDadoda
4/2/2019 11:39:18 AM



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.39

800000

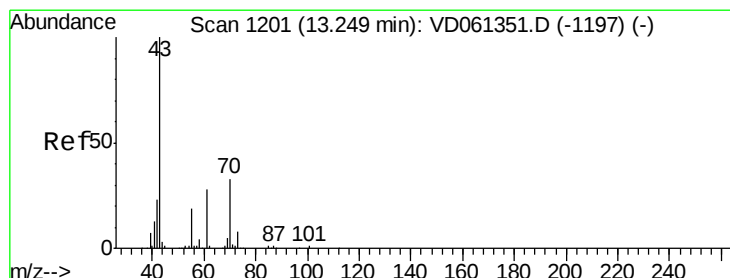
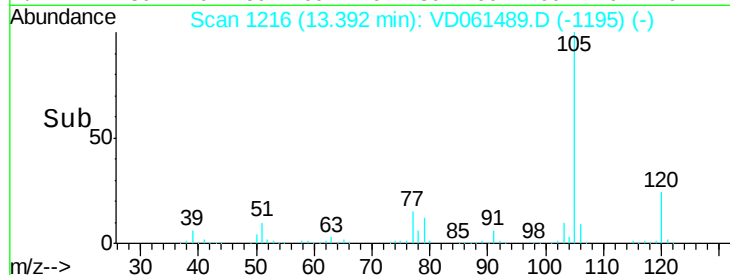
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 50.380 ug/l

RT: 13.25 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VD061489.D

Acq: 2 Apr 2019 2:08

Tgt Ion: 43 Resp: 356311

Ion Ratio Lower Upper

43 100

70 30.2 26.6 40.0

55 18.2 15.4 23.2

61 25.2 22.2 33.4

Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

400000

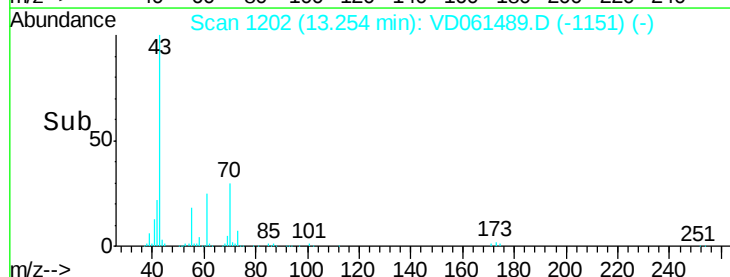
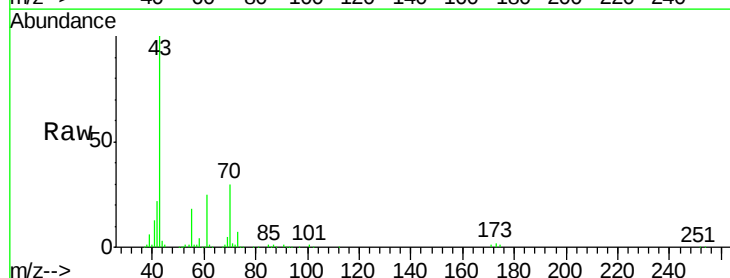
300000

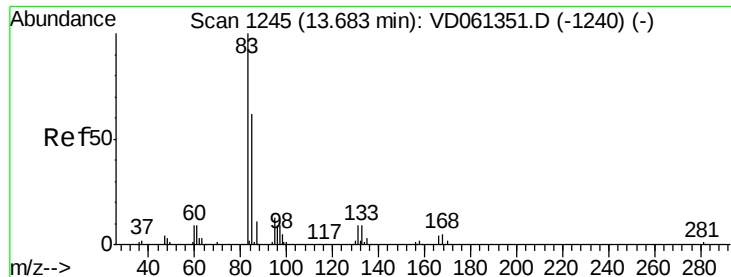
200000

100000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 53.683 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. 0.00 min

Lab File: VD061489.D

Acq: 2 Apr 2019 2:08

Instrument :

MSVOA_D

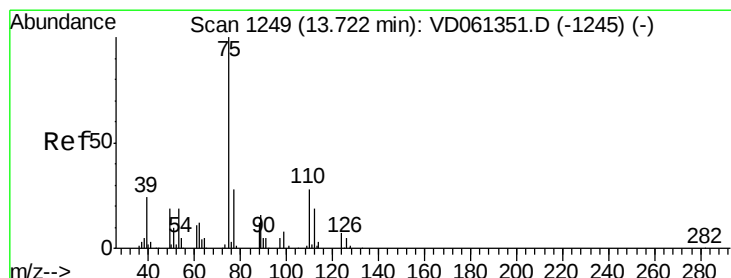
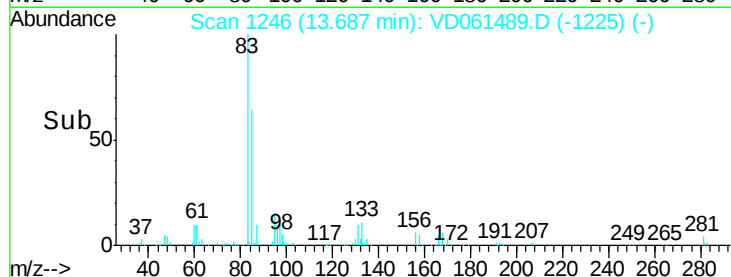
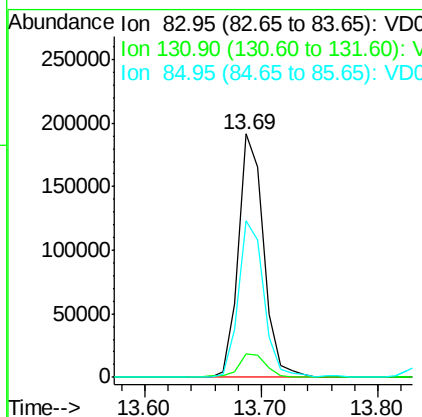
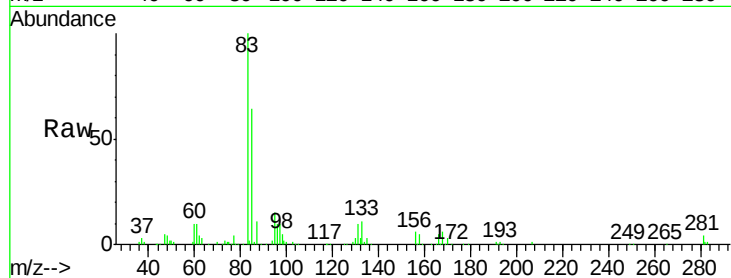
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	287511
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.3	13.1
85	64.1	31.2	93.6

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#76

1,2,3-Trichloropropane

Concen: 53.001 ug/l

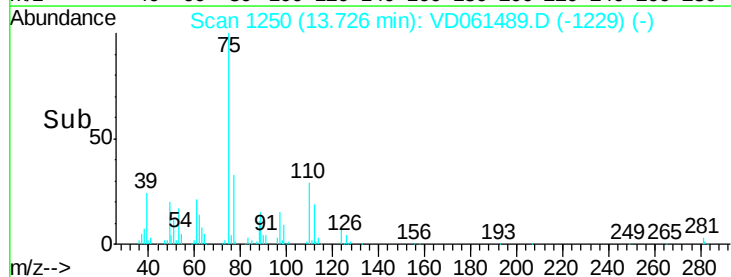
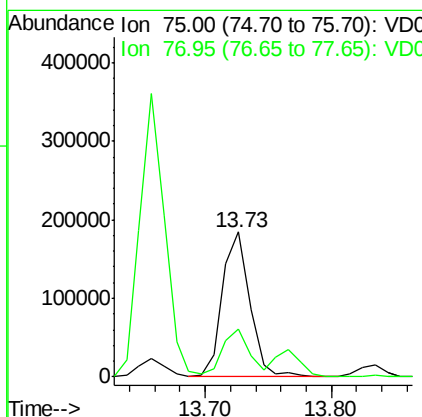
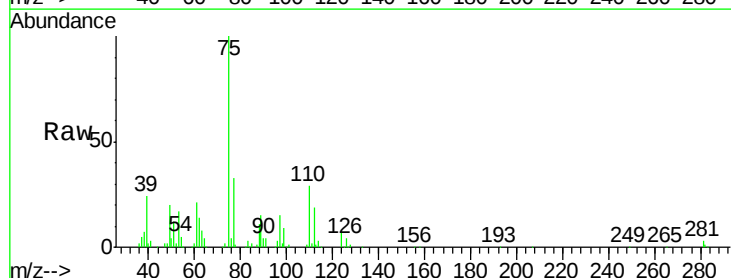
RT: 13.73 min Scan# 1250

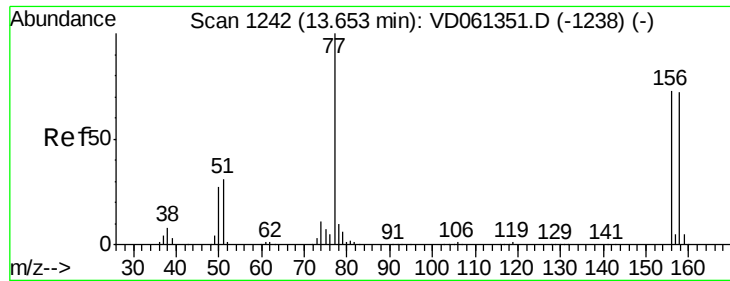
Delta R.T. 0.00 min

Lab File: VD061489.D

Acq: 2 Apr 2019 2:08

Tgt Ion:	75	Resp:	279281
Ion Ratio	Lower	Upper	
75	100		
77	32.7	16.2	48.5





#77

Bromobenzene

Concen: 52.291 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. 0.00 min

Lab File: VD061489.D

Acq: 2 Apr 2019 2:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 393578

Ion Ratio Lower Upper

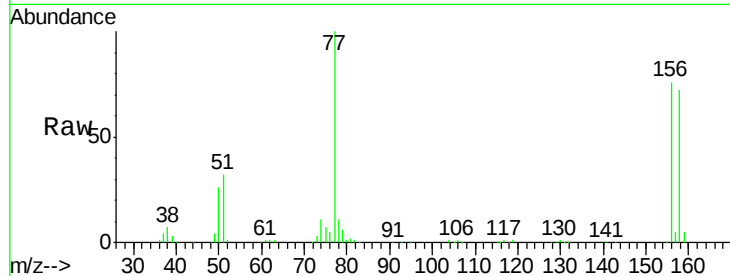
156 100

77 130.8 68.5 205.6

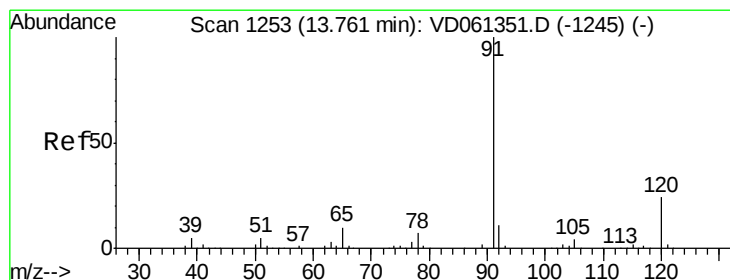
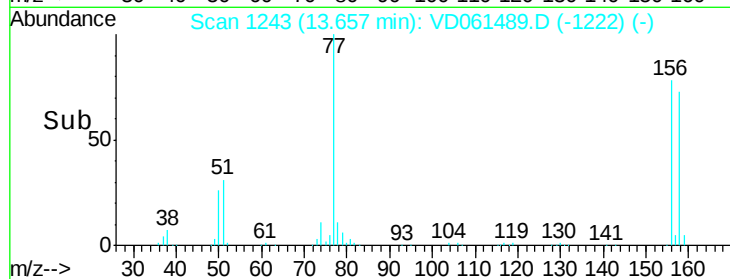
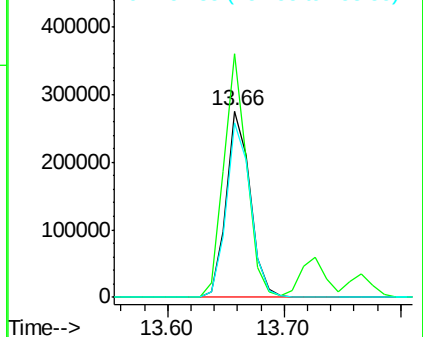
158 93.7 49.1 147.3

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Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): VDC
Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 44.653 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD061489.D

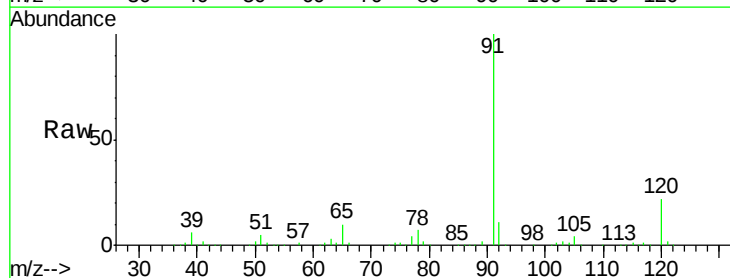
Acq: 2 Apr 2019 2:08

Tgt Ion: 91 Resp: 1387340

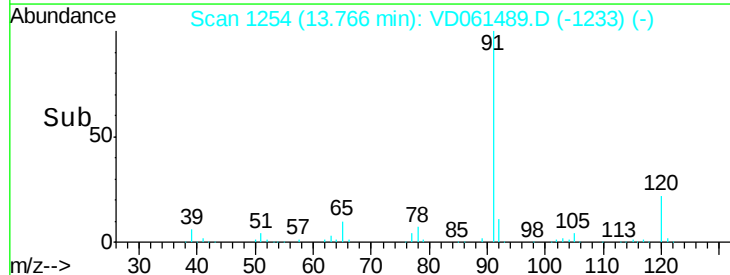
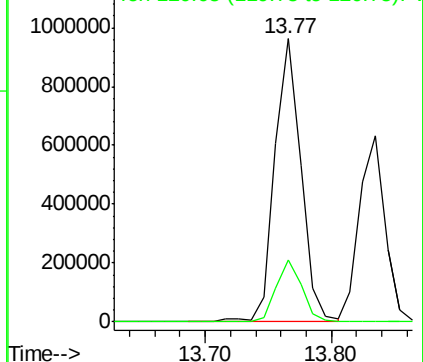
Ion Ratio Lower Upper

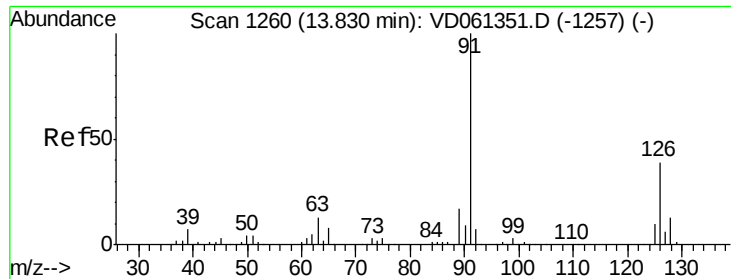
91 100

120 21.9 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 120.05 (119.75 to 120.75): V





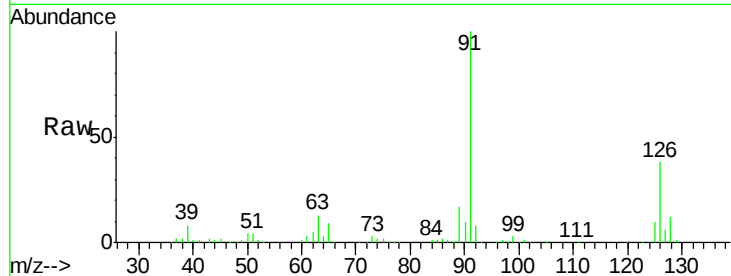
#79
 2-Chlorotoluene
 Concen: 52.619 ug/l
 RT: 13.83 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VD061489.D
 Acq: 2 Apr 2019 2:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

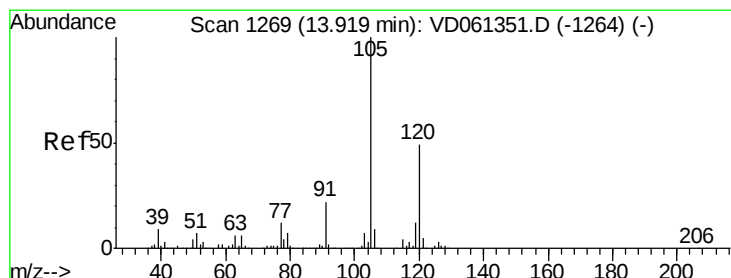
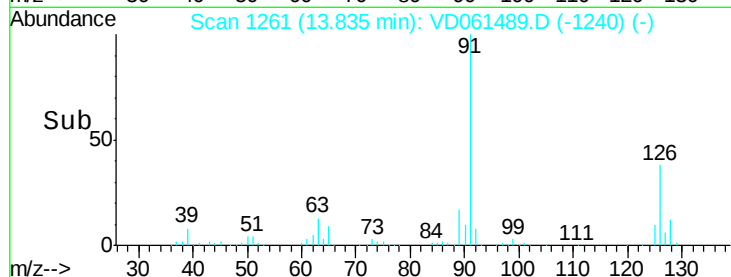
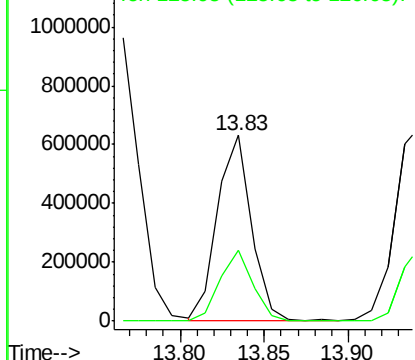
Tot Ion: 91 Resp: 887682
 Ion Ratio Lower Upper
 91 100
 126 38.0 19.4 58.2

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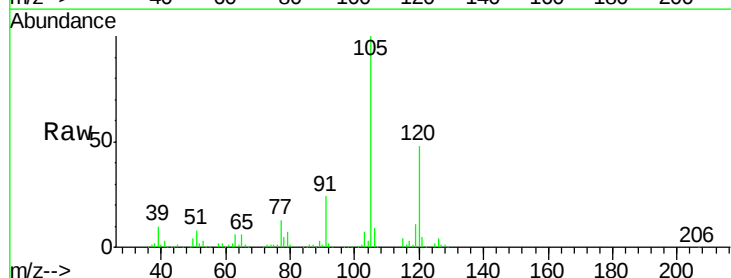


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

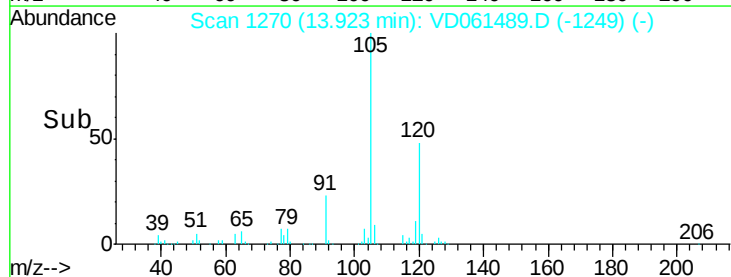
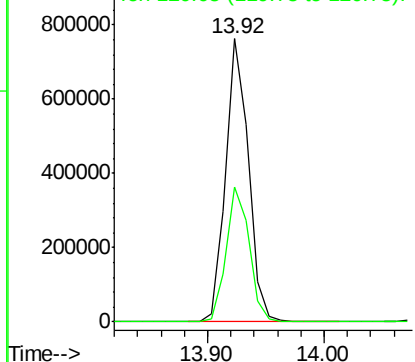


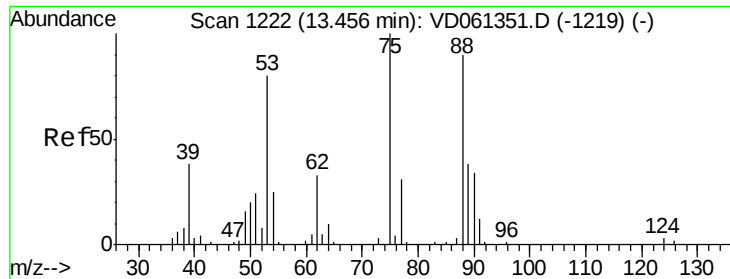
#80
 1,3,5-Trimethylbenzene
 Concen: 52.153 ug/l
 RT: 13.92 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD061489.D
 Acq: 2 Apr 2019 2:08

Tgt Ion: 105 Resp: 1027345
 Ion Ratio Lower Upper
 105 100
 120 47.7 24.6 73.6



Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V





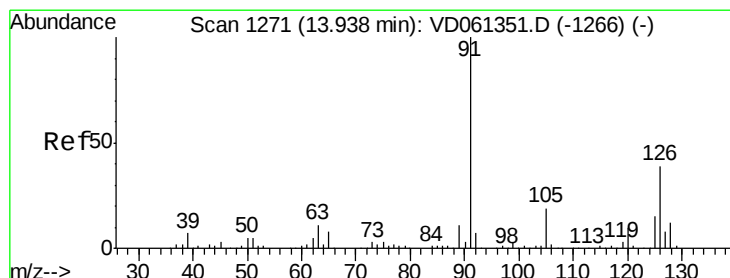
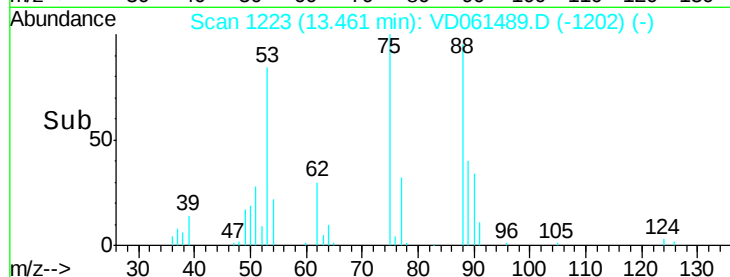
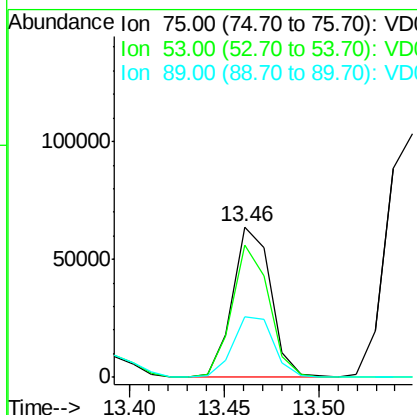
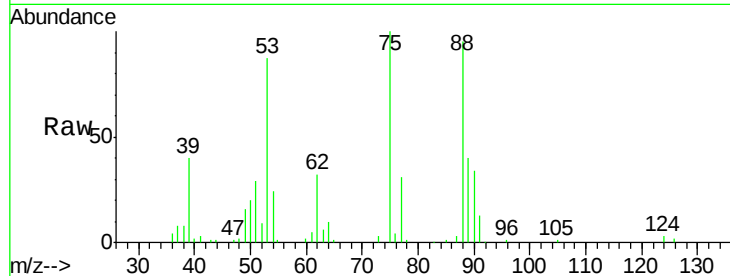
#81
trans-1,4-Dichloro-2-butene
Concen: 55.409 ug/l
RT: 13.46 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD061489.D
Acq: 2 Apr 2019 2:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	87.4	63.8	95.8
89	39.8	30.5	45.7

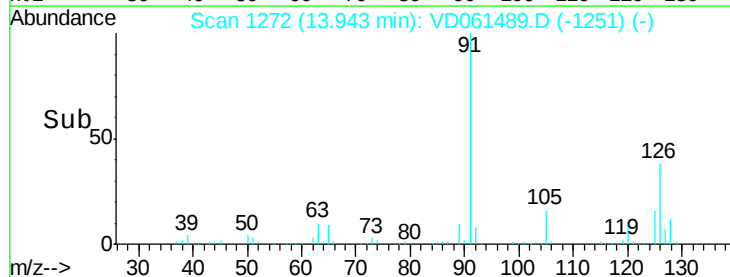
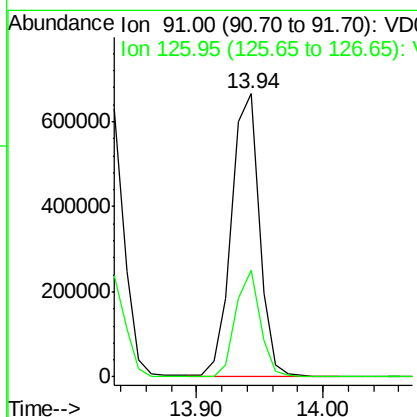
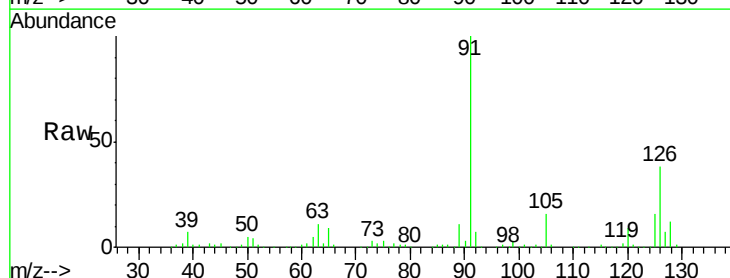
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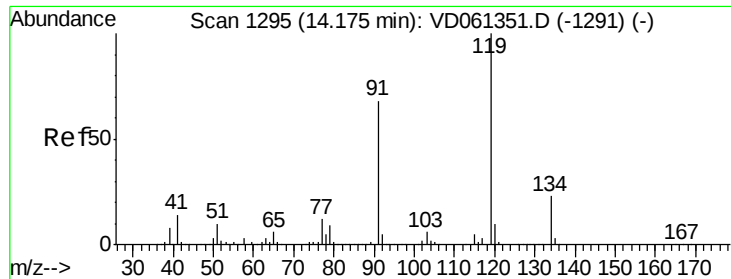
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#82
4-Chlorotoluene
Concen: 55.178 ug/l
RT: 13.94 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VD061489.D
Acq: 2 Apr 2019 2:08

Tgt Ion	Ratio	Lower	Upper
91	100		
126	37.9	19.6	58.8





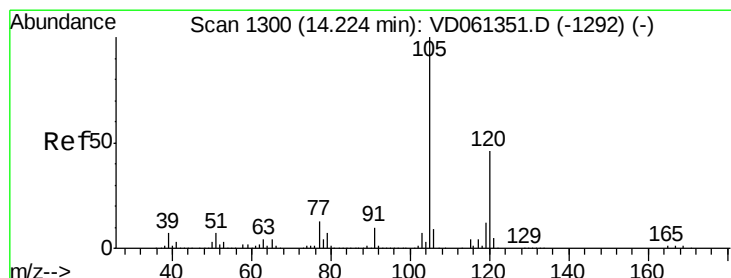
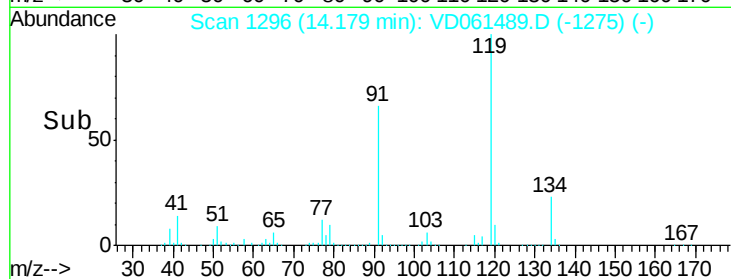
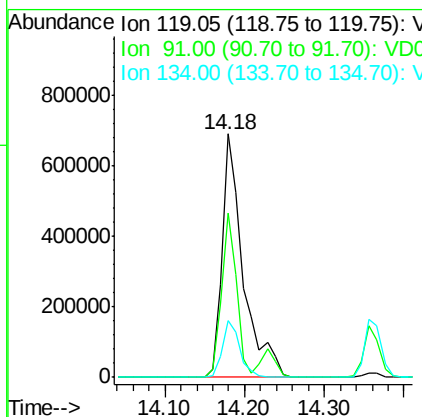
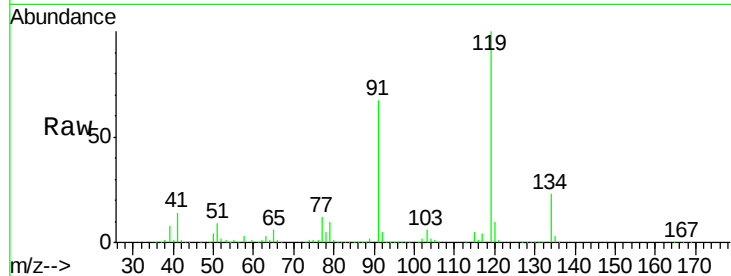
#83
tert-Butylbenzene
Concen: 52.331 ug/l
RT: 14.18 min Scan# 1296
Delta R.T. 0.00 min
Lab File: VD061489.D
Acq: 2 Apr 2019 2:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:119 Resp: 1288272
Ion Ratio Lower Upper
119 100
91 67.3 34.1 102.3
134 23.2 11.6 34.8

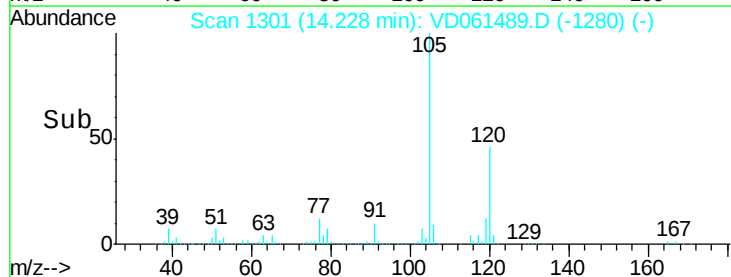
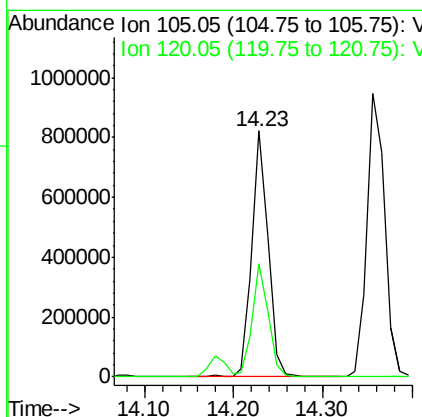
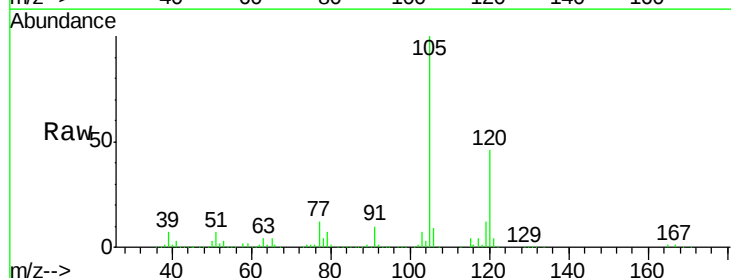
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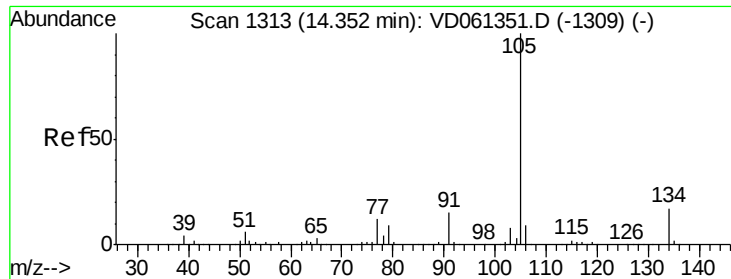
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#84
1,2,4-Trimethylbenzene
Concen: 48.527 ug/l
RT: 14.23 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VD061489.D
Acq: 2 Apr 2019 2:08

Tgt Ion:105 Resp: 1034890
Ion Ratio Lower Upper
105 100
120 46.1 22.8 68.4





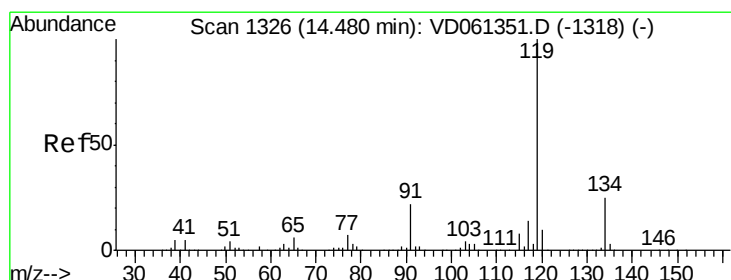
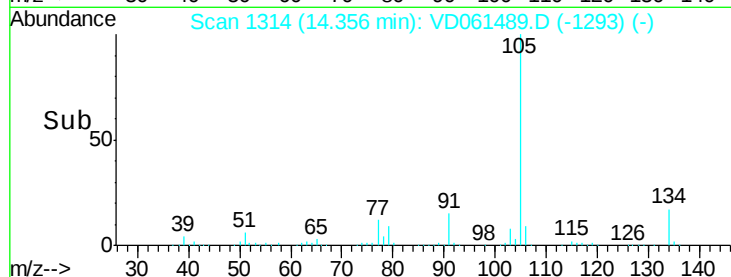
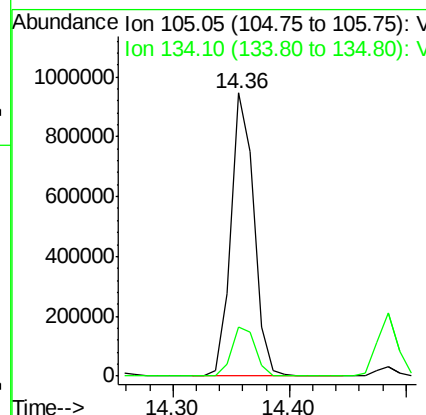
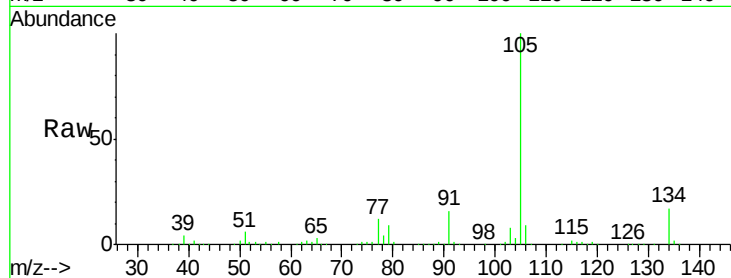
#85
 sec-Butylbenzene
 Concen: 49.098 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. 0.00 min
 Lab File: VD061489.D
 Acq: 2 Apr 2019 2:08

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

Tot Ion:105 Resp: 1284040
 Ion Ratio Lower Upper
 105 100
 134 17.4 8.7 26.1

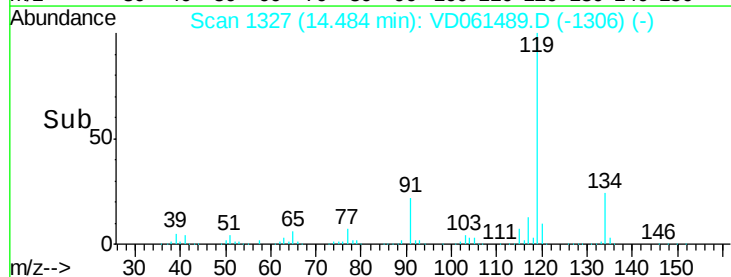
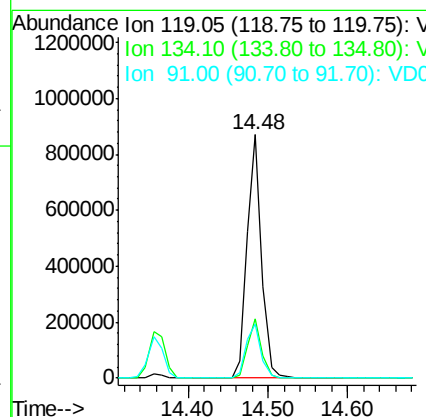
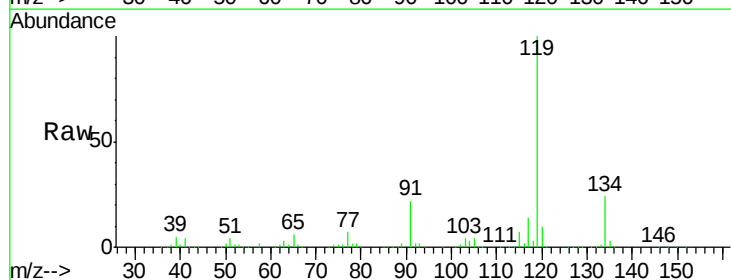
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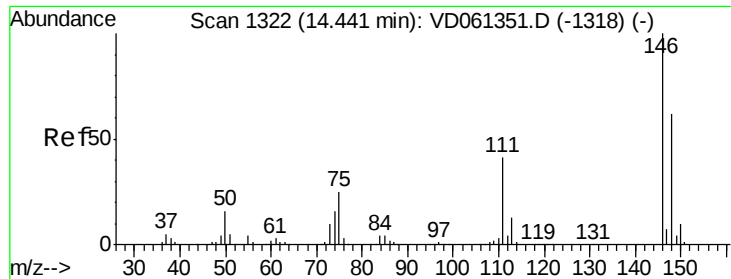
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#86
 p-Isopropyltoluene
 Concen: 49.086 ug/l
 RT: 14.48 min Scan# 1327
 Delta R.T. 0.00 min
 Lab File: VD061489.D
 Acq: 2 Apr 2019 2:08

Tgt Ion:119 Resp: 1085520
 Ion Ratio Lower Upper
 119 100
 134 24.3 12.3 36.8
 91 22.4 11.1 33.1





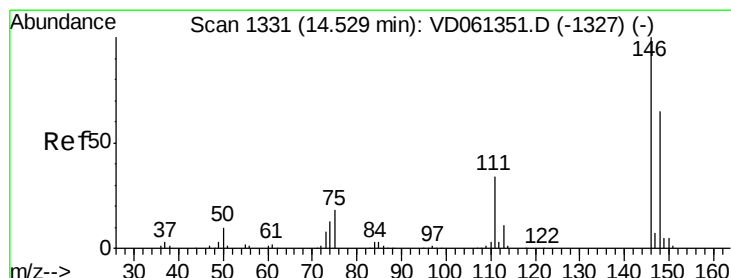
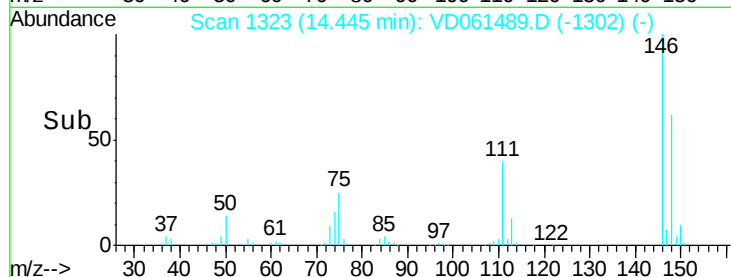
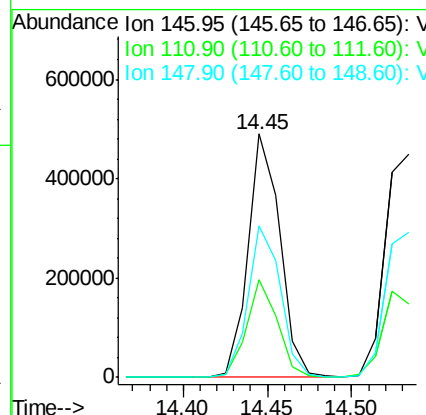
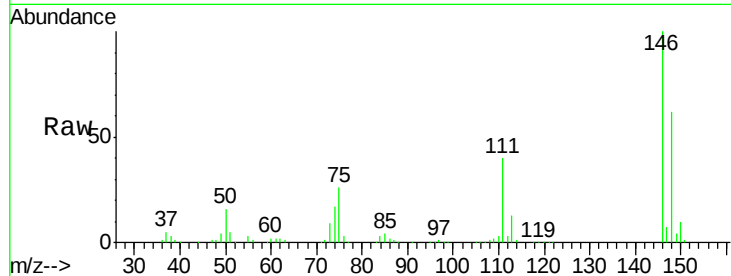
#87
 1,3-Dichlorobenzene
 Concen: 50.574 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VD061489.D
 Acq: 2 Apr 2019 2:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.6	61.9
148	62.5	31.1	93.3

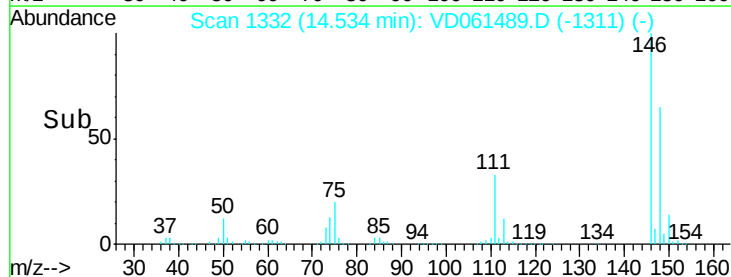
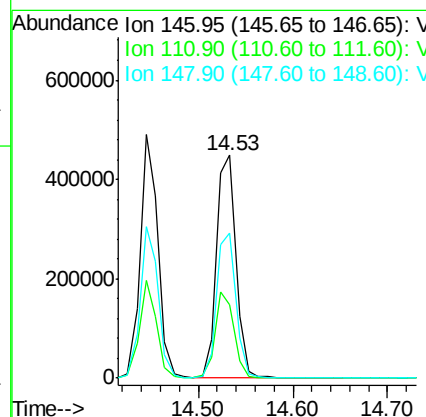
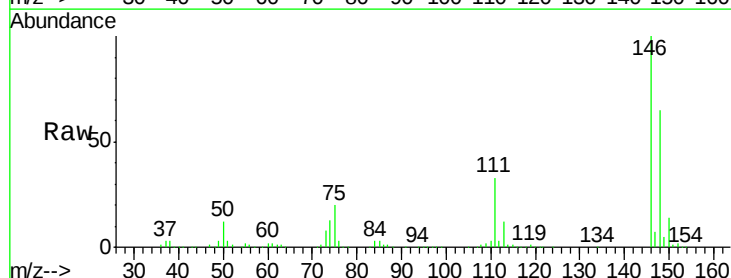
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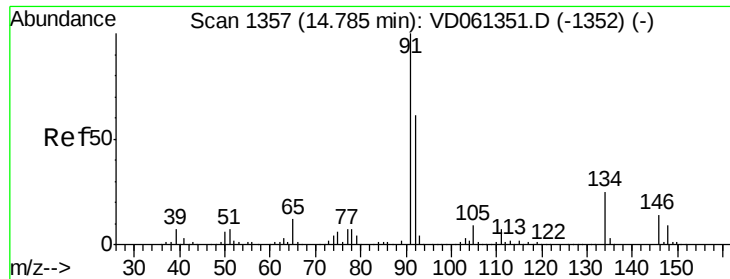
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#88
 1,4-Dichlorobenzene
 Concen: 51.700 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD061489.D
 Acq: 2 Apr 2019 2:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	33.1	16.8	50.4
148	65.1	32.6	98.0





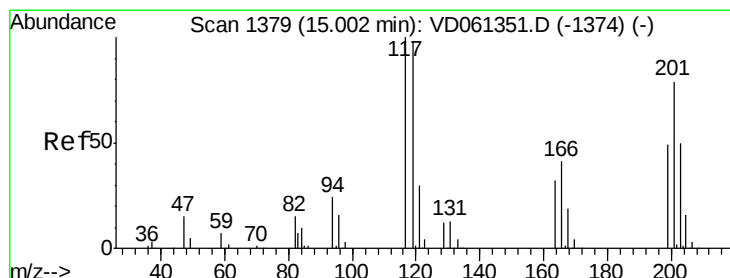
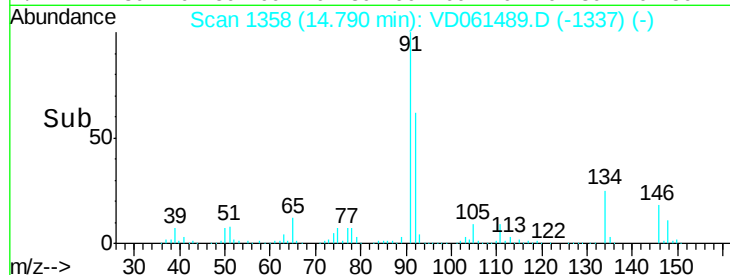
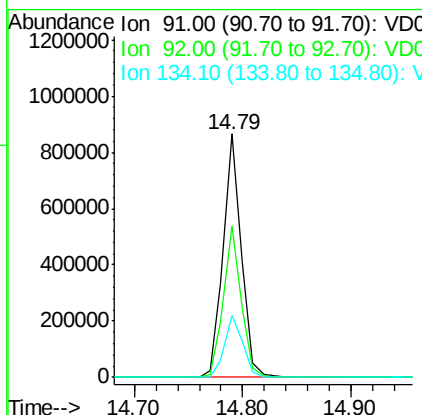
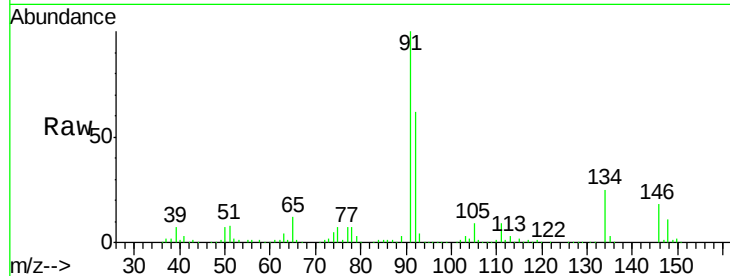
#89
n-Butylbenzene
Concen: 49.865 ug/l
RT: 14.79 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VD061489.D
Acq: 2 Apr 2019 2:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1012134
Ion Ratio Lower Upper
91 100
92 62.1 30.3 91.0
134 25.3 12.4 37.0

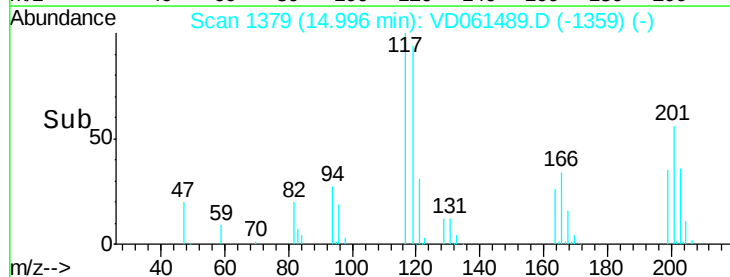
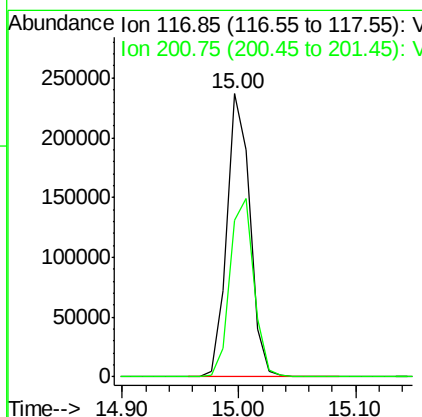
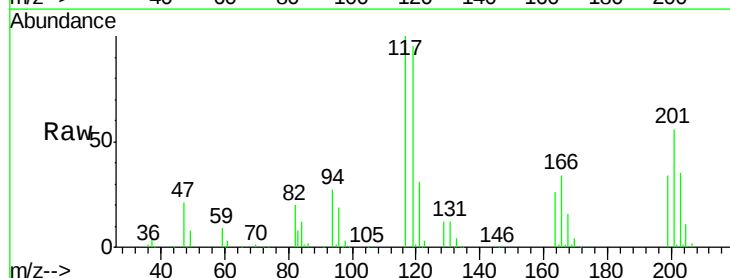
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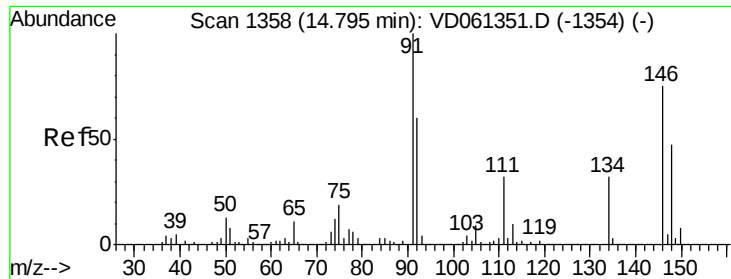
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4/2/2019 11:39:18 AM



#90
Hexachloroethane
Concen: 52.050 ug/l
RT: 15.00 min Scan# 1379
Delta R.T. -0.01 min
Lab File: VD061489.D
Acq: 2 Apr 2019 2:08

Tgt Ion: 117 Resp: 325188
Ion Ratio Lower Upper
117 100
201 55.5 39.6 119.0





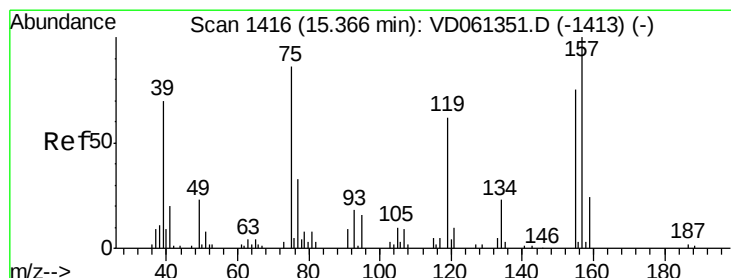
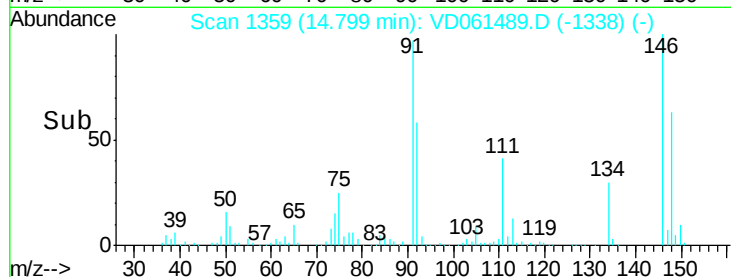
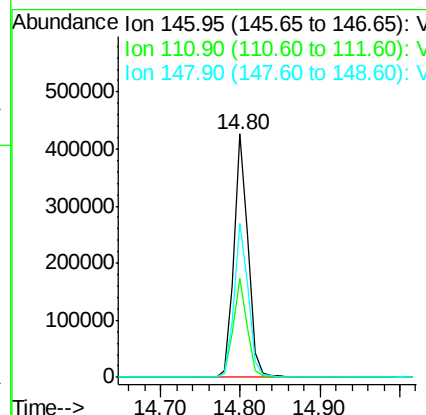
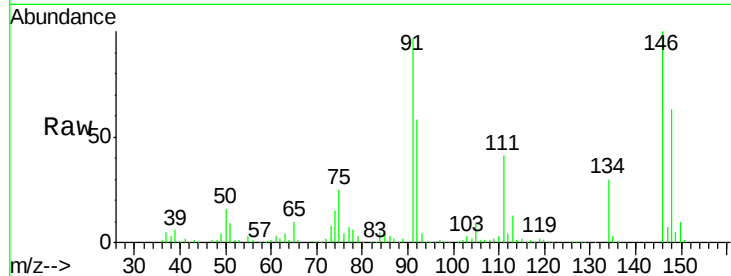
#91
 1,2-Dichlorobenzene
 Concen: 51.508 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VD061489.D
 Acq: 2 Apr 2019 2:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	21.2	63.6
148	63.2	31.6	95.0

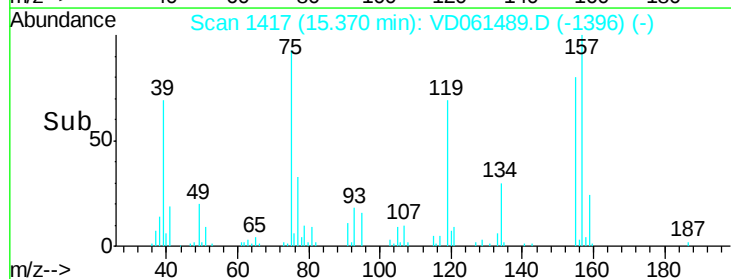
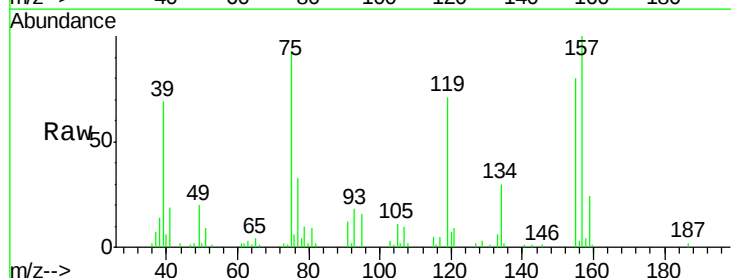
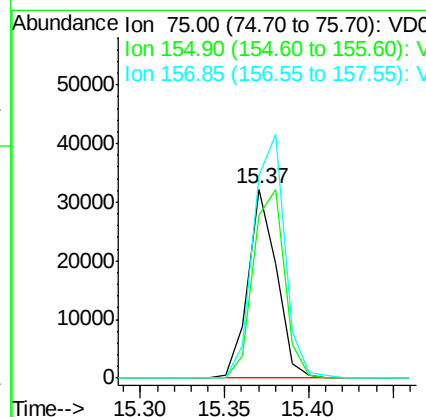
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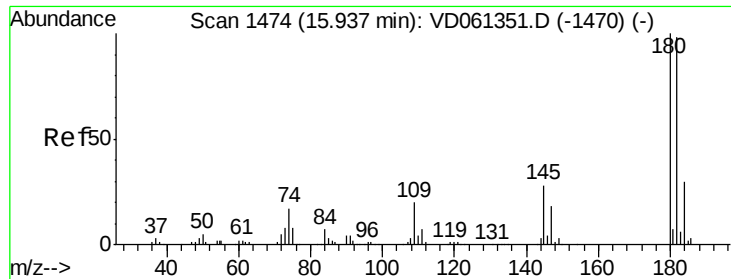
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 60.009 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: VD061489.D
 Acq: 2 Apr 2019 2:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.0	43.6	130.9
157	107.1	58.5	175.3





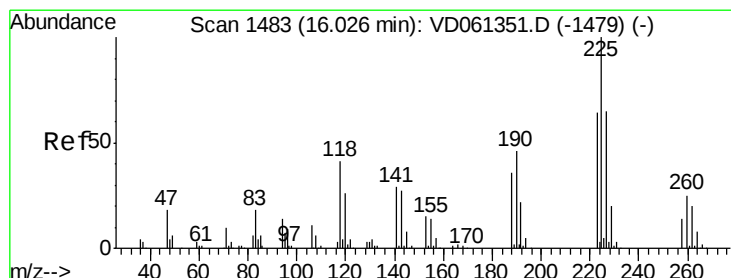
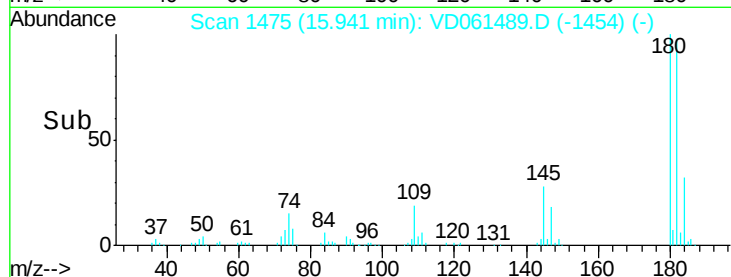
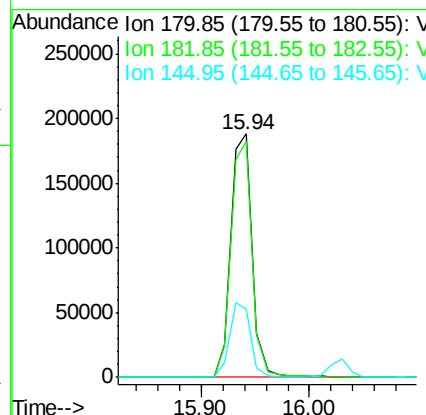
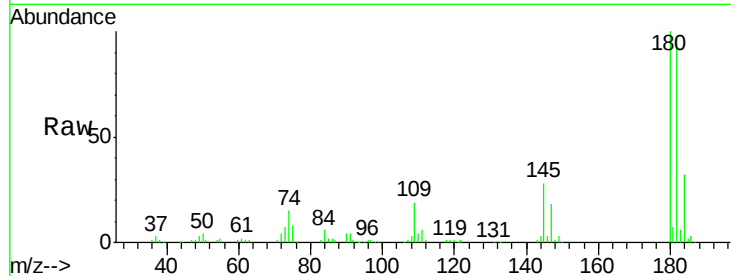
#93
 1,2,4-Trichlorobenzene
 Concen: 54.386 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD061489.D
 Acq: 2 Apr 2019 2:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	259006		
182	97.0	48.9	146.8	
145	28.3	14.1	42.3	

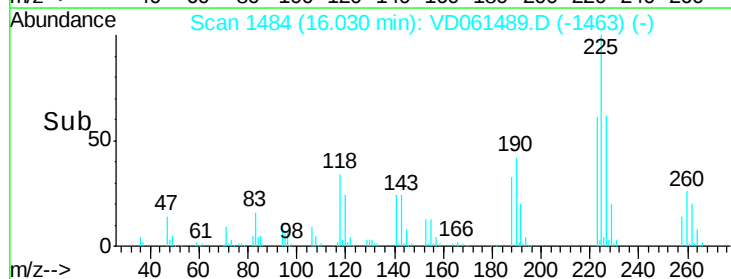
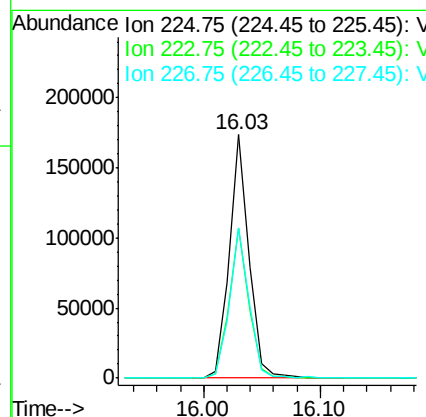
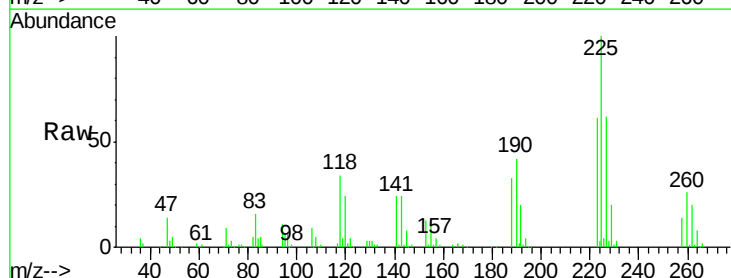
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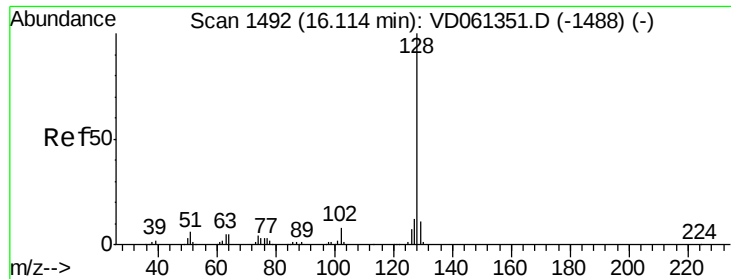
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#94
 Hexachlorobutadiene
 Concen: 54.538 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD061489.D
 Acq: 2 Apr 2019 2:08

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	202961		
223	61.5	32.0	96.0	
227	61.8	32.4	97.2	





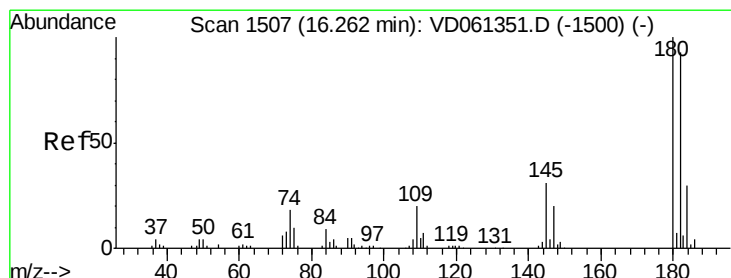
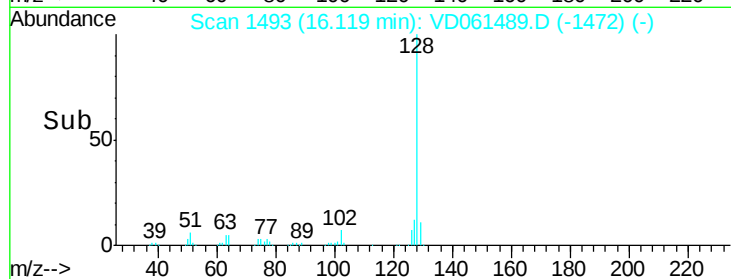
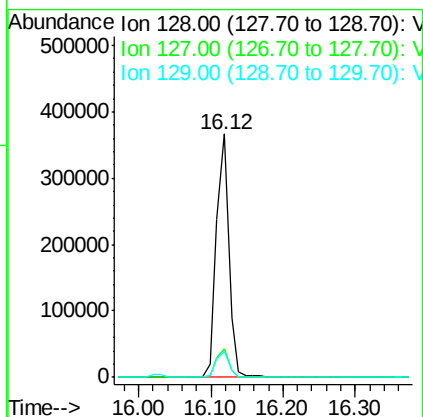
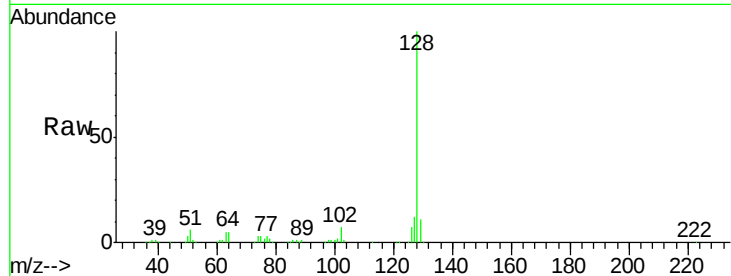
#95
Naphthalene
Concen: 60.045 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD061489.D
Acq: 2 Apr 2019 2:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	435877		
127	11.6		9.9	14.9
129	10.8		8.9	13.3

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 60.721 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD061489.D
Acq: 2 Apr 2019 2:08

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	127251		
182	95.5		46.4	139.1
145	28.3		15.3	45.9

