

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032619\
 Data File : VD061333.D
 Acq On : 26 Mar 2019 13:32
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/27/2019 12:02:23 PM

Quant Time: Mar 27 09:27:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 03:31:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	777686	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1307577	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.36	117	1054563	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	441598	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	319806	47.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.32%	
35) Dibromofluoromethane	6.92	113	505671	50.54	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	101.08%	
50) Toluene-d8	10.39	98	1213533	50.02	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	100.04%	
62) 4-Bromofluorobenzene	13.55	95	447623	47.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.60%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.59	85	321820	40.475	ug/l	97
3) Chloromethane	1.76	50	265157	42.749	ug/l	98
4) Vinyl Chloride	1.86	62	239676	41.327	ug/l	98
5) Bromomethane	2.17	94	57598	48.932	ug/l	98
6) Chloroethane	2.28	64	81620m	44.735	ug/l	
7) Trichlorofluoromethane	2.54	101	378355	44.136	ug/l	98
8) Diethyl Ether	2.88	74	115417	45.281	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.16	101	382433	43.830	ug/l	99
10) Methyl Iodide	3.32	142	525640	43.121	ug/l	99
11) Tert butyl alcohol	4.06	59	78503	219.789	ug/l	99
12) 1,1-Dichloroethene	3.14	96	342295	45.591	ug/l	98
13) Acrolein	3.03	56	79673	203.788	ug/l	98
14) Allyl chloride	3.62	41	478851	44.960	ug/l	99
15) Acrylonitrile	4.19	53	280252	223.110	ug/l	99
16) Acetone	3.22	43	375059	233.695	ug/l	95
17) Carbon Disulfide	3.39	76	1153315	46.252	ug/l	98
18) Methyl Acetate	3.64	43	132107	43.548	ug/l	98
19) Methyl tert-butyl Ether	4.23	73	588934	44.541	ug/l	99
20) Methylene Chloride	3.82	84	398327	43.730	ug/l	94
21) trans-1,2-Dichloroethene	4.22	96	372552	44.355	ug/l	94
22) Diisopropyl ether	5.12	45	985341	43.917	ug/l	99
23) Vinyl Acetate	5.05	43	2661269	222.083	ug/l	100
24) 1,1-Dichloroethane	4.99	63	610668	46.706	ug/l	100
25) 2-Butanone	6.06	43	438490	236.217	ug/l	97
26) 2,2-Dichloropropane	6.01	77	485403	43.722	ug/l	93
27) cis-1,2-Dichloroethene	6.03	96	408562	45.201	ug/l	100
28) Bromochloromethane	6.43	49	285766	52.218	ug/l	93
29) Tetrahydrofuran	6.45	42	217742	235.658	ug/l	99
30) Chloroform	6.66	83	608494	43.673	ug/l	99
31) Cyclohexane	6.95	56	509140	47.978	ug/l	99
32) 1,1,1-Trichloroethane	6.87	97	511143	41.423	ug/l	97
36) 1,1-Dichloropropene	7.15	75	463209	43.298	ug/l	99
37) Ethyl Acetate	6.17	43	197364	44.169	ug/l	97
38) Carbon Tetrachloride	7.11	117	537197m	43.935	ug/l	

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	533538	48.154	ug/l	97
40) Benzene	7.45	78	1208764	45.495	ug/l	99
41) Methacrylonitrile	6.44	41	237485	45.736	ug/l	98
42) 1,2-Dichloroethane	7.57	62	351458	42.444	ug/l	98
43) Isopropyl Acetate	9.23	43	296464	46.014	ug/l #	95
44) Trichloroethene	8.53	130	443919	46.199	ug/l	98
45) 1,2-Dichloropropane	8.93	63	317751	48.456	ug/l	99
46) Dibromomethane	9.06	93	197929	44.034	ug/l	98
47) Bromodichloromethane	9.37	83	452469	42.947	ug/l	100
48) Methyl methacrylate	9.12	41	149829	43.570	ug/l	96
49) 1,4-Dioxane	9.07	88	35372	937.489	ug/l	96
51) 4-Methyl-2-Pentanone	10.29	43	857987	223.701	ug/l	98
52) Toluene	10.50	92	701048	43.123	ug/l	100
53) t-1,3-Dichloropropene	10.90	75	384428	41.987	ug/l	99
54) cis-1,3-Dichloropropene	10.03	75	504426	45.117	ug/l	100
55) 1,1,2-Trichloroethane	11.18	97	241298	44.707	ug/l	99
56) Ethyl methacrylate	11.03	69	263401	45.734	ug/l	97
57) 1,3-Dichloropropane	11.40	76	375647	46.084	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.85	63	721628	240.843	ug/l	98
59) 2-Hexanone	11.53	43	657296	235.960	ug/l	98
60) Dibromochloromethane	11.67	129	383386	45.352	ug/l	98
61) 1,2-Dibromoethane	11.79	107	294668	46.726	ug/l	99
64) Tetrachloroethene	11.25	164	317078	43.647	ug/l	97
65) Chlorobenzene	12.39	112	902131	46.444	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.50	131	335093	44.496	ug/l	99
67) Ethyl Benzene	12.51	91	1274919	42.888	ug/l	99
68) m/p-Xylenes	12.66	106	1027765	88.571	ug/l	98
69) o-Xylene	13.04	106	493449	45.851	ug/l	98
70) Styrene	13.06	104	849094	46.488	ug/l	99
71) Bromoform	13.23	173	210849	45.753	ug/l	99
73) Isopropylbenzene	13.40	105	1320989	45.991	ug/l	99
74) N-amyl acetate	13.26	43	359389	47.825	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.69	83	259915	46.664	ug/l	100
76) 1,2,3-Trichloropropane	13.73	75	274689	50.018	ug/l	98
77) Bromobenzene	13.66	156	366919	45.733	ug/l	99
78) n-propylbenzene	13.77	91	1519825	46.901	ug/l	94
79) 2-Chlorotoluene	13.83	91	890039	47.173	ug/l	99
80) 1,3,5-Trimethylbenzene	14.23	105	1059881	46.776	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	85472	49.316	ug/l	99
82) 4-Chlorotoluene	13.94	91	926996	44.942	ug/l	97
83) tert-Butylbenzene	14.18	119	1275545	49.304	ug/l	98
84) 1,2,4-Trimethylbenzene	14.23	105	1059881	46.776	ug/l	99
85) sec-Butylbenzene	14.36	105	1326533	46.041	ug/l	98
86) p-Isopropyltoluene	14.49	119	1061753	41.306	ug/l	97
87) 1,3-Dichlorobenzene	14.45	146	608365	42.779	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	624053	45.301	ug/l	98
89) n-Butylbenzene	14.80	91	1072580	46.999	ug/l	97
90) Hexachloroethane	15.00	117	336443	48.818	ug/l	90
91) 1,2-Dichlorobenzene	14.81	146	547916	48.285	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	33643	48.337	ug/l	86

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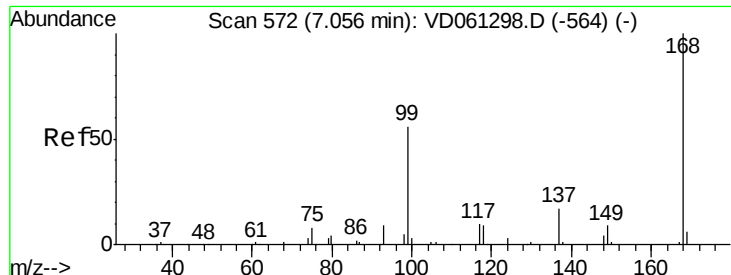
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	247264	47.182	ug/l	99
94) Hexachlorobutadiene	16.04	225	189634	44.908	ug/l	99
95) Naphthalene	16.12	128	331445	43.344	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	102205	41.755	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.01 min

Lab File: VD061333.D

Acq: 26 Mar 2019 13:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 777686

Ion Ratio Lower Upper

168 100

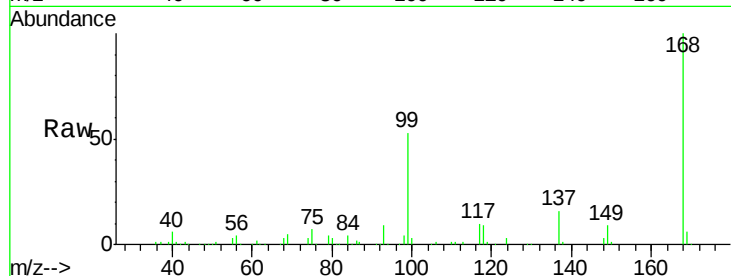
99 52.8 45.8 68.8

Manual Integrations

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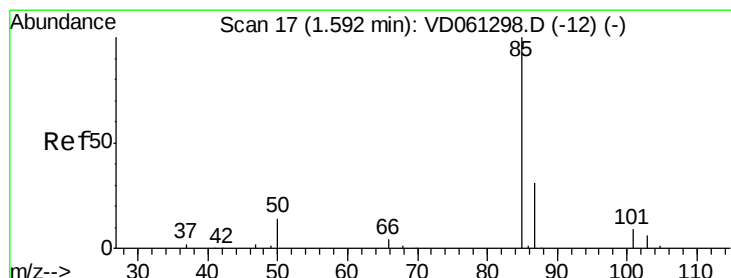
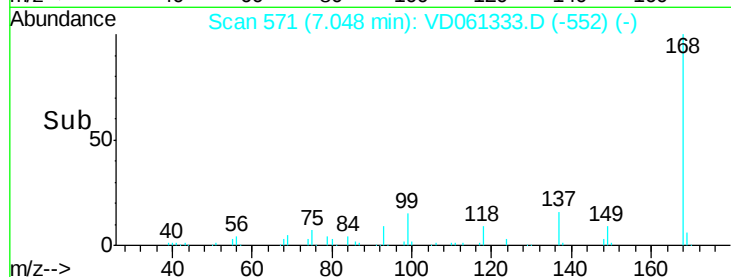
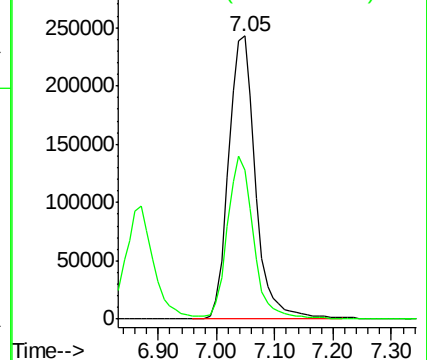
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 40.475 ug/l

RT: 1.59 min Scan# 17

Delta R.T. 0.00 min

Lab File: VD061333.D

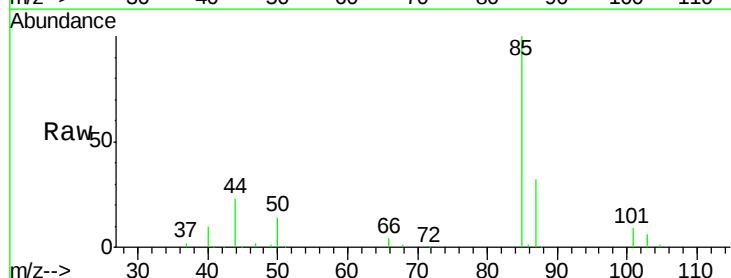
Acq: 26 Mar 2019 13:32

Tgt Ion: 85 Resp: 321820

Ion Ratio Lower Upper

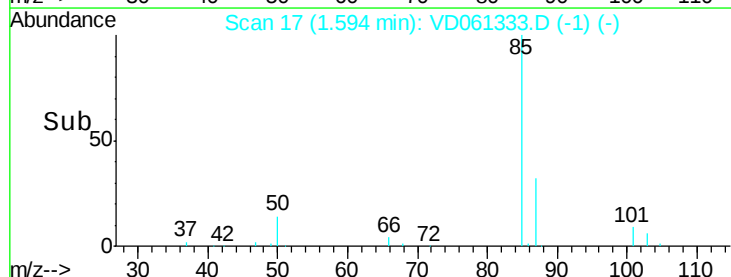
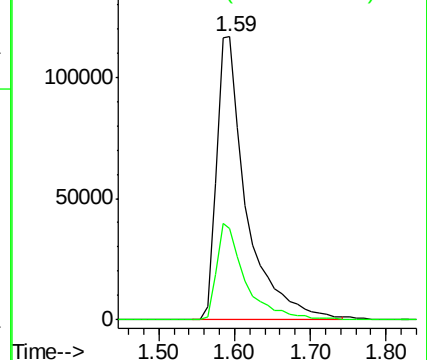
85 100

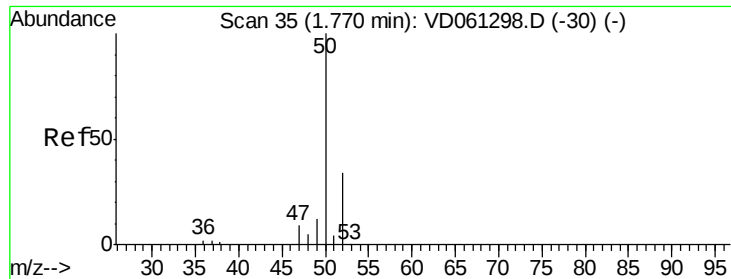
87 32.5 15.4 46.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 42.749 ug/l

RT: 1.76 min Scan# 34

Delta R.T. -0.01 min

Lab File: VD061333.D

Acq: 26 Mar 2019 13:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 265157

Ion Ratio Lower Upper

50 100

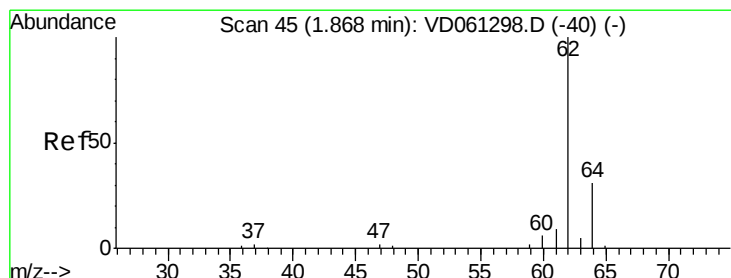
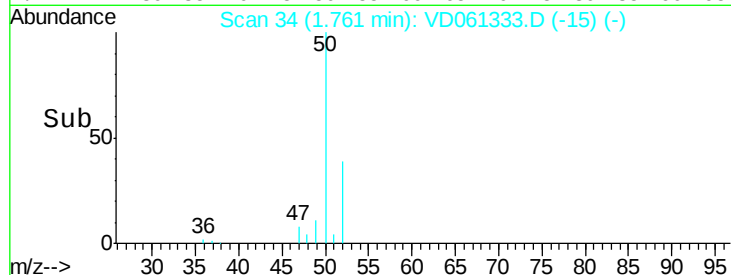
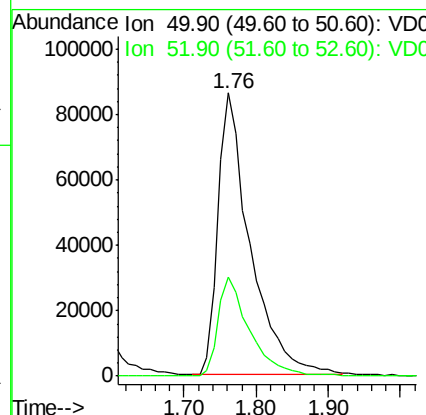
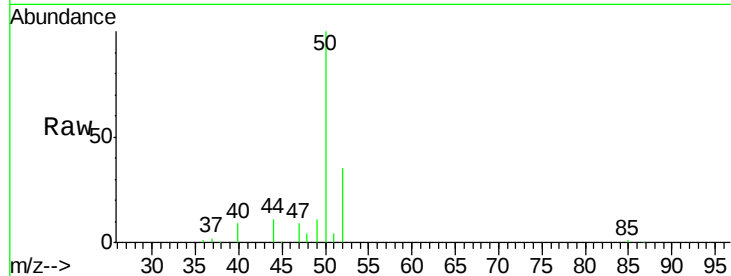
52 34.8 27.1 40.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 41.327 ug/l

RT: 1.86 min Scan# 44

Delta R.T. -0.01 min

Lab File: VD061333.D

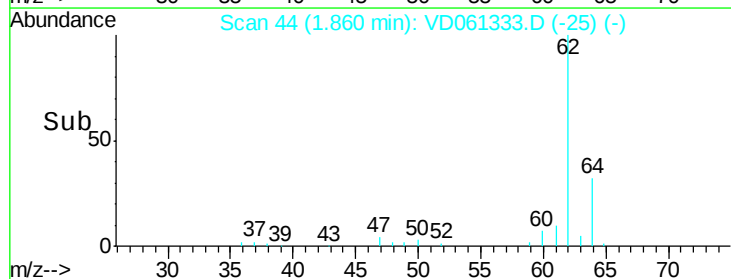
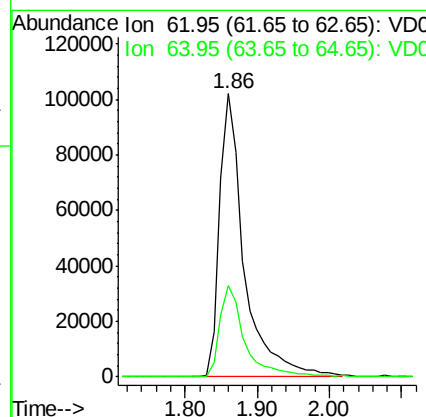
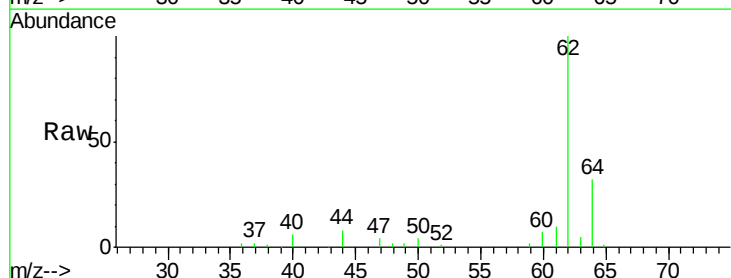
Acq: 26 Mar 2019 13:32

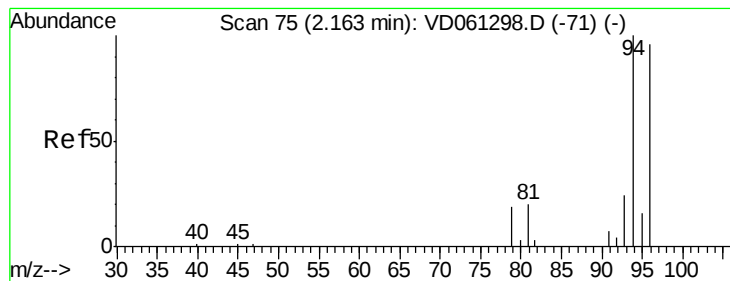
Tgt Ion: 62 Resp: 239676

Ion Ratio Lower Upper

62 100

64 32.5 25.1 37.7





#5

Bromomethane

Concen: 48.932 ug/l

RT: 2.17 min Scan# 75

Delta R.T. 0.00 min

Lab File: VD061333.D

Acq: 26 Mar 2019 13:32

Instrument :

MSVOA_D

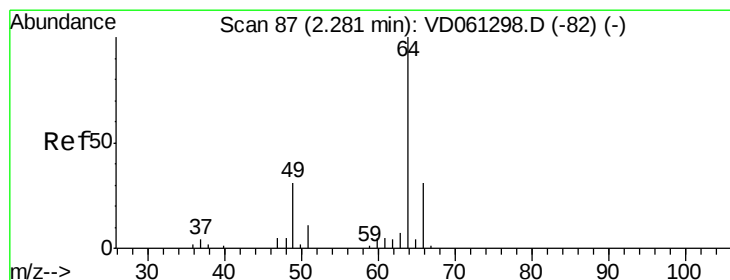
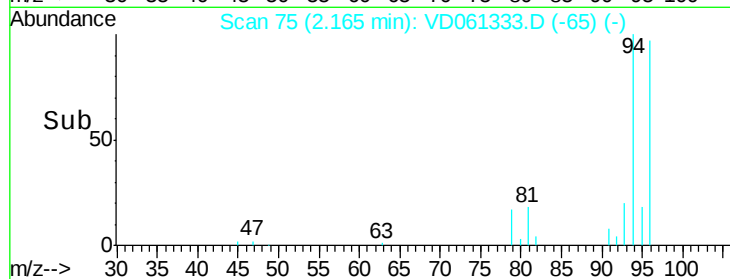
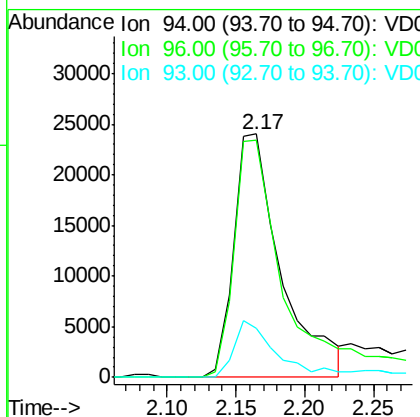
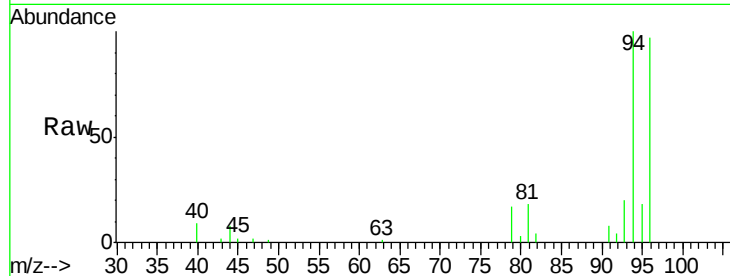
ClientSampleId :

VSTDCCC050

Tot Ion:	94	Resp:	57598
Ion	Ratio	Lower	Upper
94	100		
96	97.4	76.9	115.3
93	20.0	18.8	28.2

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#6

Chloroethane

Concen: 44.735 ug/l m

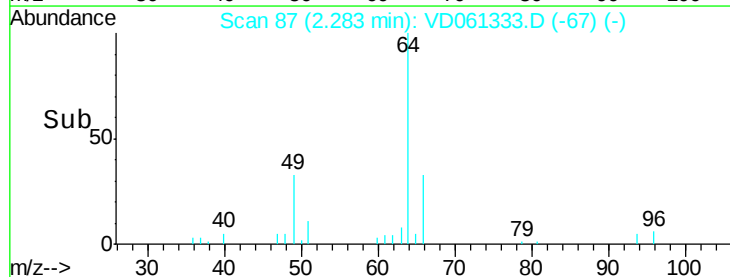
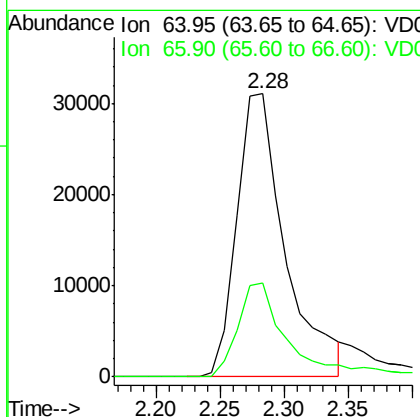
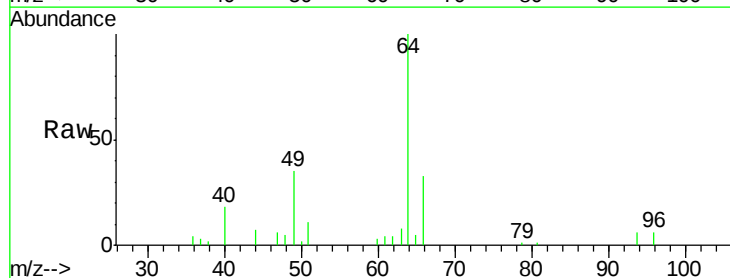
RT: 2.28 min Scan# 87

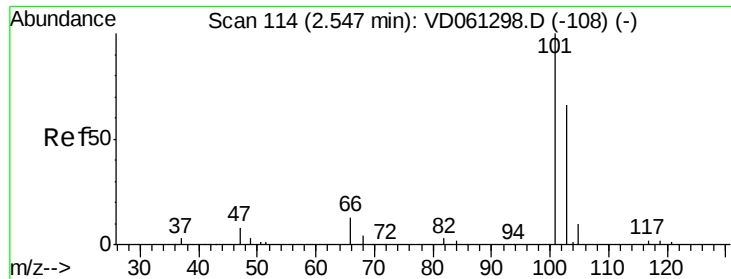
Delta R.T. 0.00 min

Lab File: VD061333.D

Acq: 26 Mar 2019 13:32

Tgt Ion:	64	Resp:	81620
Ion	Ratio	Lower	Upper
64	100		
66	33.1	24.6	36.8





#7

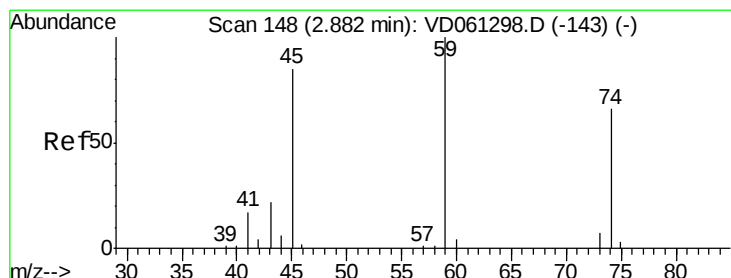
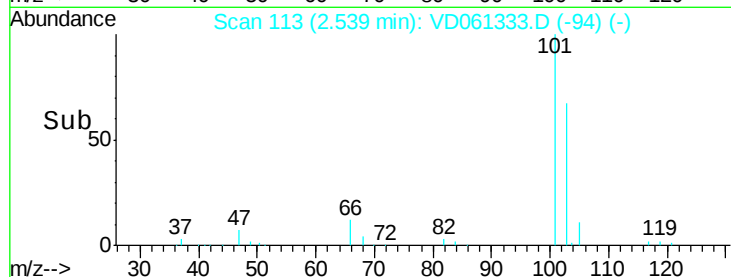
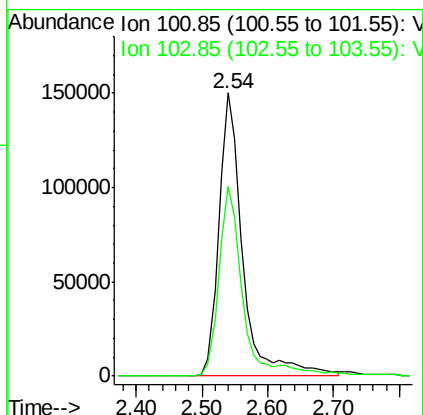
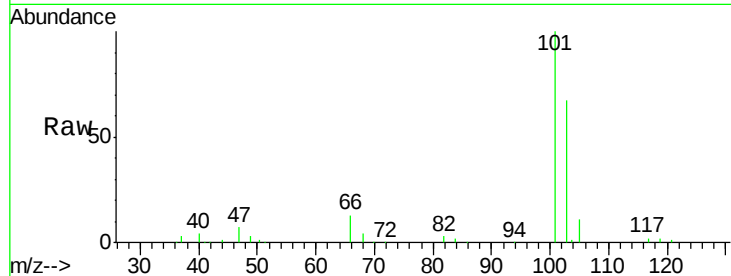
Trichlorofluoromethane
Concen: 44.136 ug/l
RT: 2.54 min Scan# 113
Delta R.T. -0.01 min
Lab File: VD061333.D
Acq: 26 Mar 2019 13:32

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VSTDCCC050

Tot Ion:101 Resp: 378355
Ion Ratio Lower Upper
101 100
103 67.1 52.6 79.0

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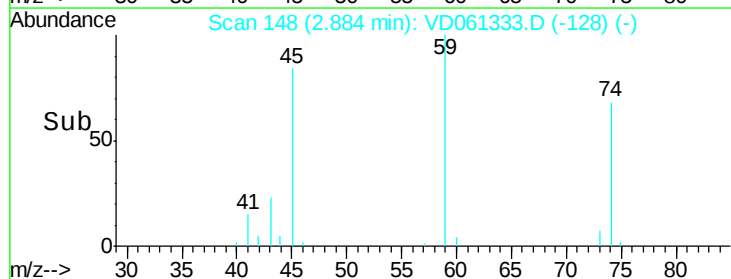
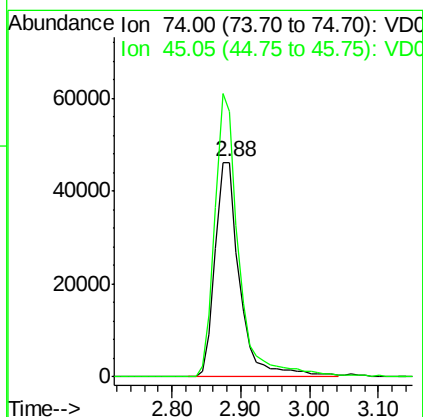
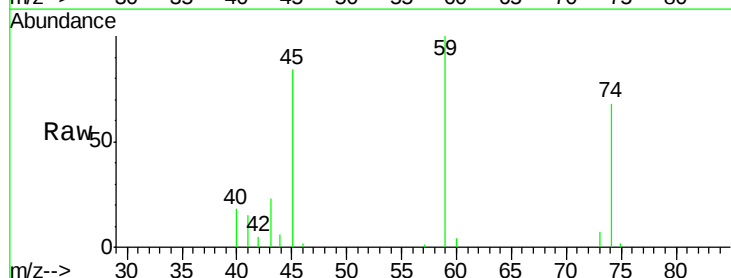
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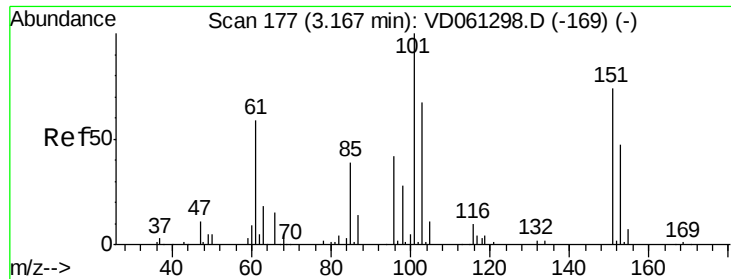


#8

Diethyl Ether
Concen: 45.281 ug/l
RT: 2.88 min Scan# 148
Delta R.T. 0.00 min
Lab File: VD061333.D
Acq: 26 Mar 2019 13:32

Tgt Ion: 74 Resp: 115417
Ion Ratio Lower Upper
74 100
45 123.7 64.3 192.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.830 ug/l

RT: 3.16 min Scan# 176

Delta R.T. -0.01 min

Lab File: VD061333.D

Acq: 26 Mar 2019 13:32

Instrument :

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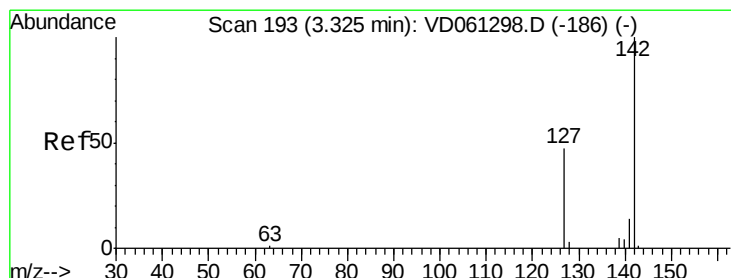
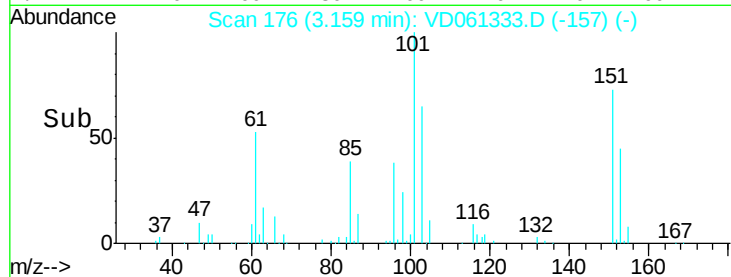
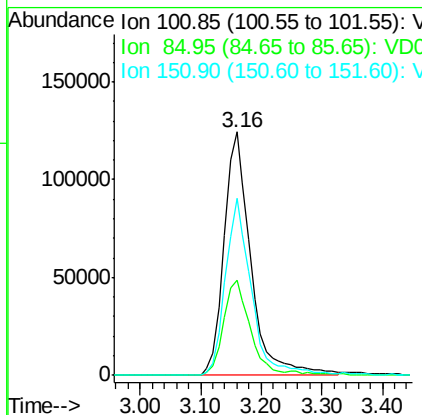
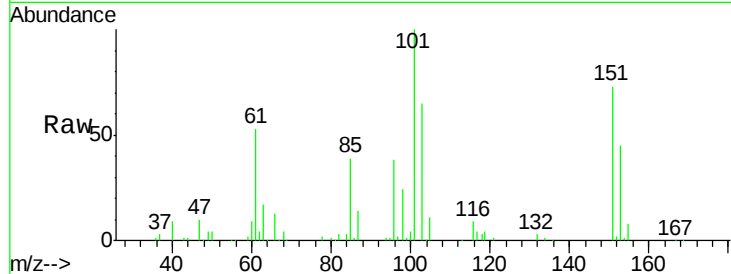
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	382433
Ion Ratio	Lower	Upper	
101	100		
85	39.0	31.6	47.4
151	72.7	59.3	88.9

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#10

Methyl Iodide

Concen: 43.121 ug/l

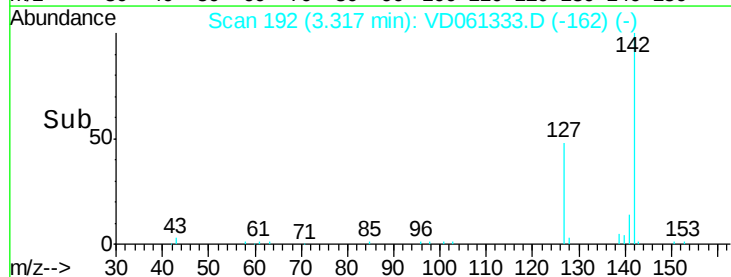
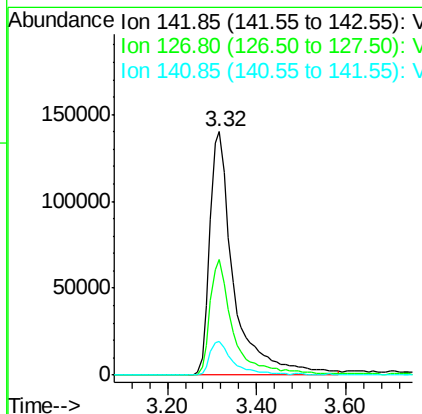
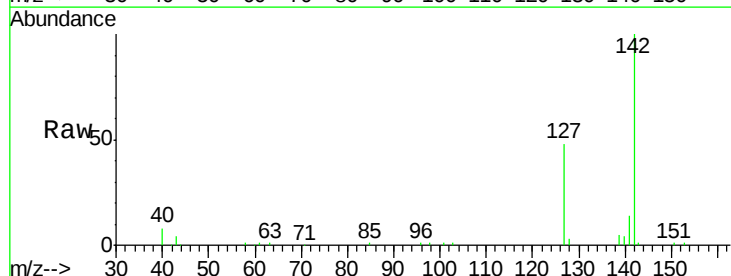
RT: 3.32 min Scan# 192

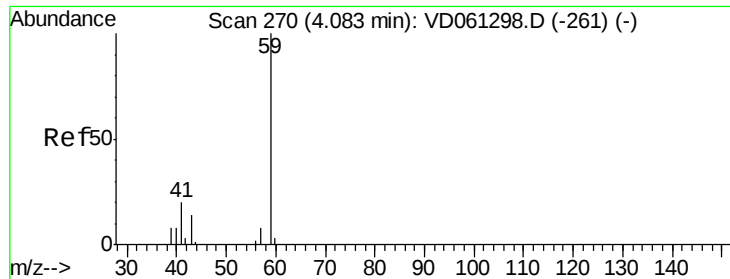
Delta R.T. -0.01 min

Lab File: VD061333.D

Acq: 26 Mar 2019 13:32

Tgt Ion:	142	Resp:	525640
Ion Ratio	Lower	Upper	
142	100		
127	47.5	37.8	56.6
141	13.9	11.6	17.4





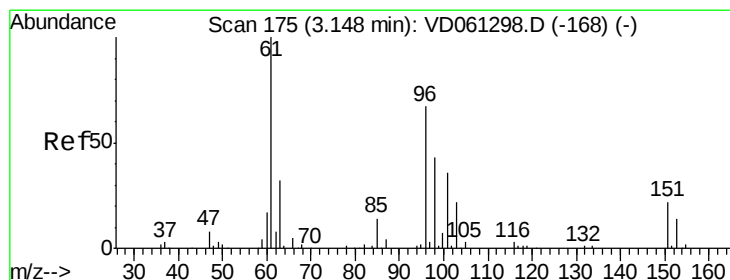
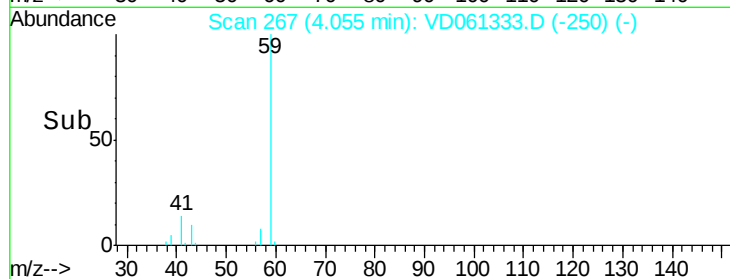
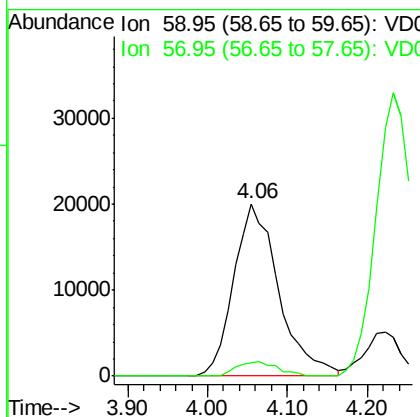
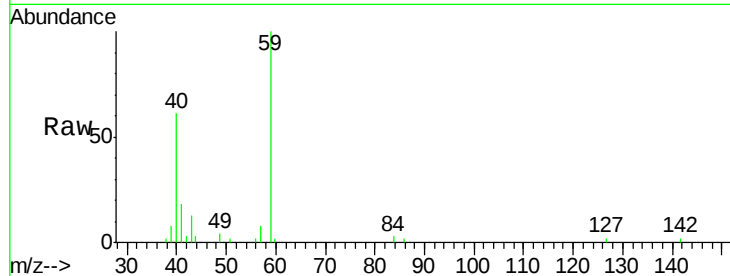
#11
Tert butyl alcohol
Concen: 219.789 ug/l
RT: 4.06 min Scan# 267
Delta R.T. -0.03 min
Lab File: VD061333.D
Acq: 26 Mar 2019 13:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 78503
Ion Ratio Lower Upper
59 100
57 8.0 6.6 9.8

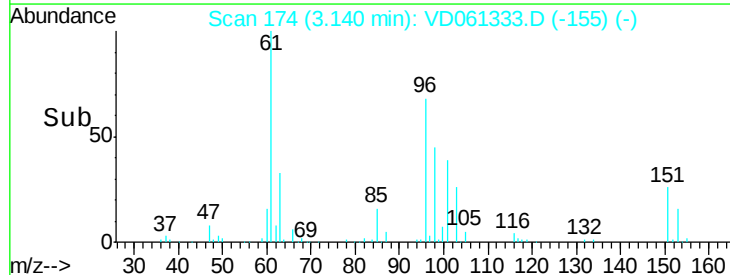
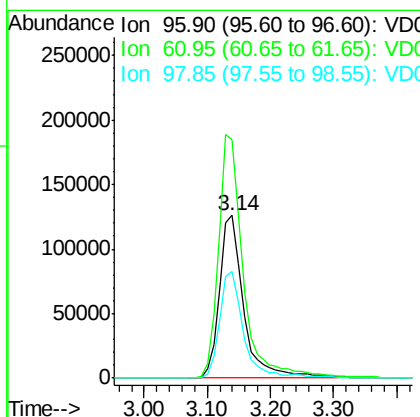
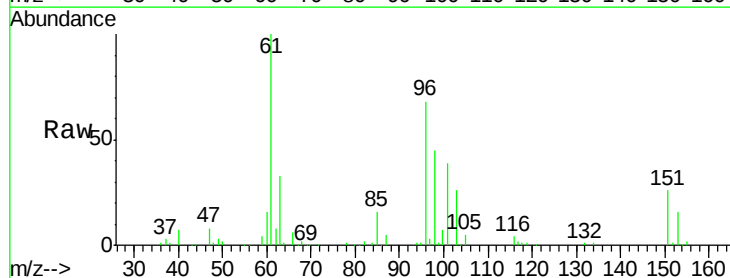
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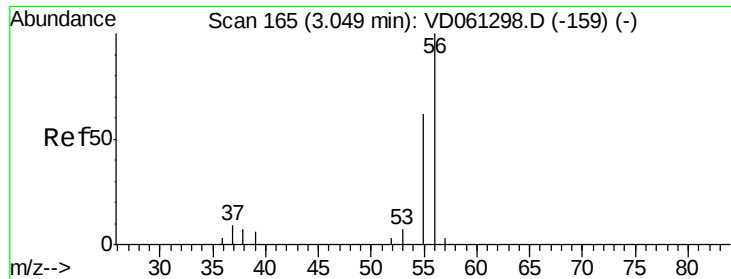
MMDadoda
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#12
1,1-Dichloroethene
Concen: 45.591 ug/l
RT: 3.14 min Scan# 174
Delta R.T. -0.01 min
Lab File: VD061333.D
Acq: 26 Mar 2019 13:32

Tgt Ion: 96 Resp: 342295
Ion Ratio Lower Upper
96 100
61 146.4 120.2 180.2
98 65.5 52.2 78.4





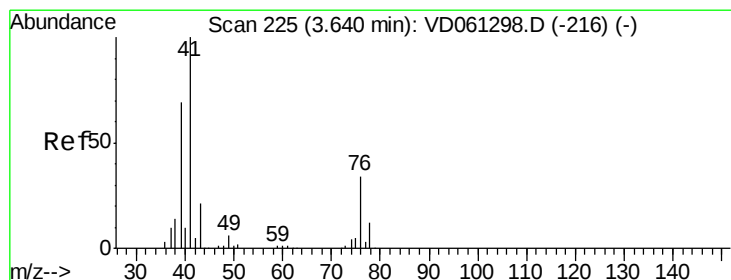
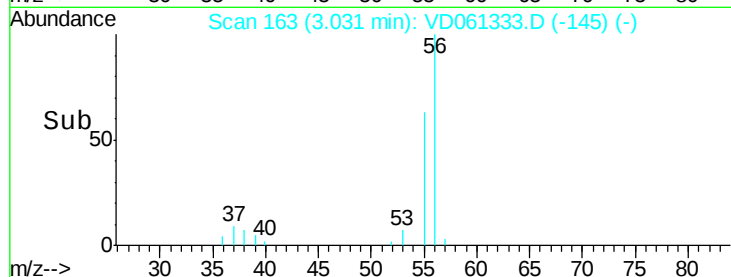
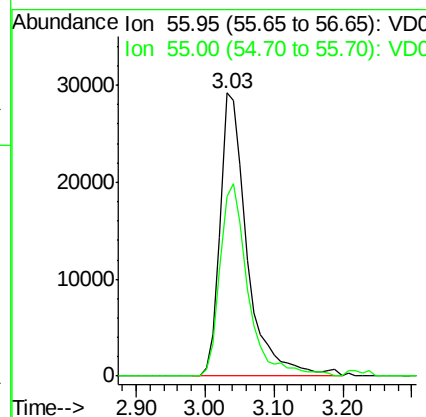
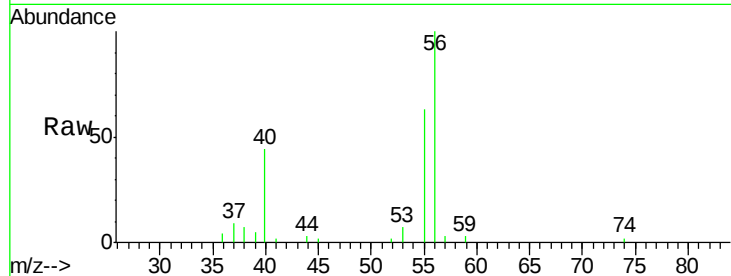
#13
Acrolein
Concen: 203.788 ug/l
RT: 3.03 min Scan# 163
Delta R.T. -0.02 min
Lab File: VD061333.D
Acq: 26 Mar 2019 13:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 79673
Ion Ratio Lower Upper
56 100
55 63.4 49.8 74.6

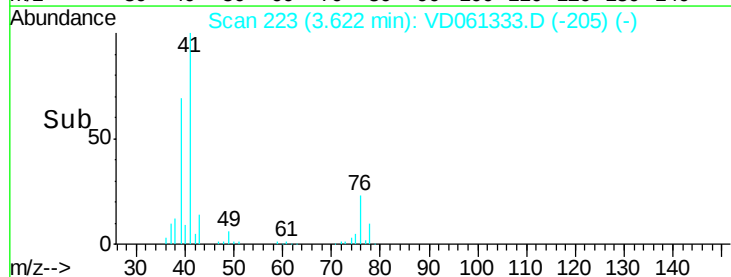
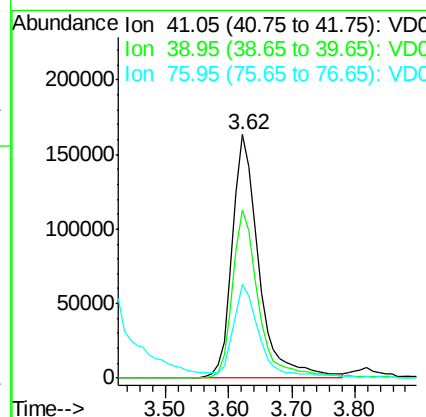
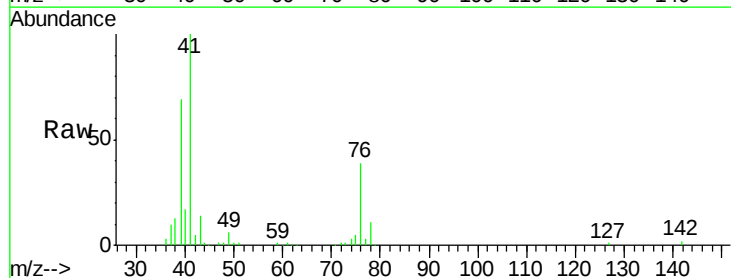
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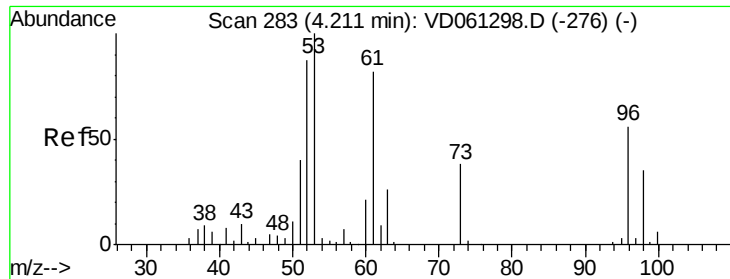
MMDadoda
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#14
Allyl chloride
Concen: 44.960 ug/l
RT: 3.62 min Scan# 223
Delta R.T. -0.02 min
Lab File: VD061333.D
Acq: 26 Mar 2019 13:32

Tgt Ion: 41 Resp: 478851
Ion Ratio Lower Upper
41 100
39 69.1 55.1 82.7
76 38.6 30.2 45.2





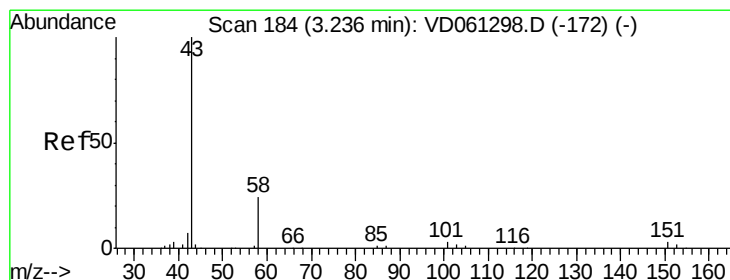
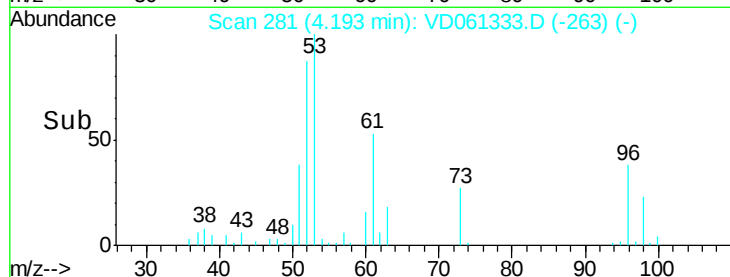
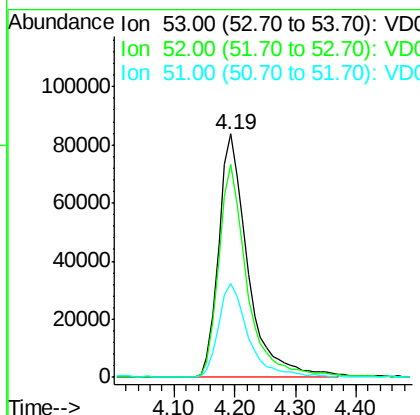
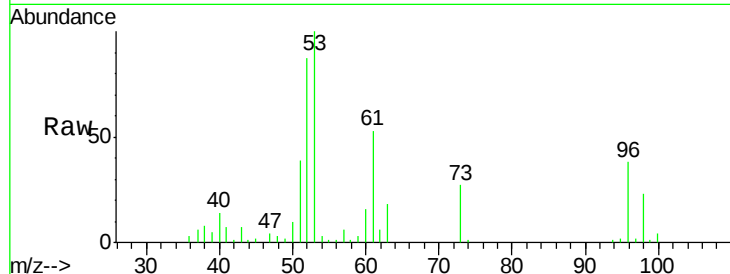
#15
Acrylonitrile
Concen: 223.110 ug/l
RT: 4.19 min Scan# 281
Delta R.T. -0.02 min
Lab File: VD061333.D
Acq: 26 Mar 2019 13:32

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	87.4	69.4	104.2
51	38.5	31.7	47.5

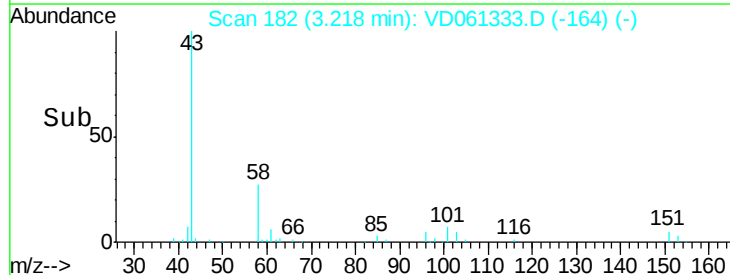
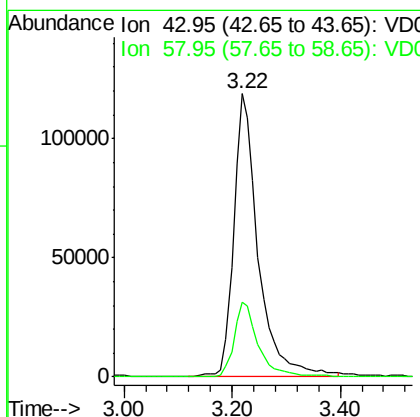
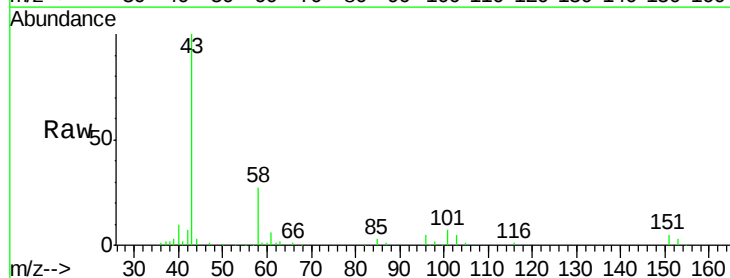
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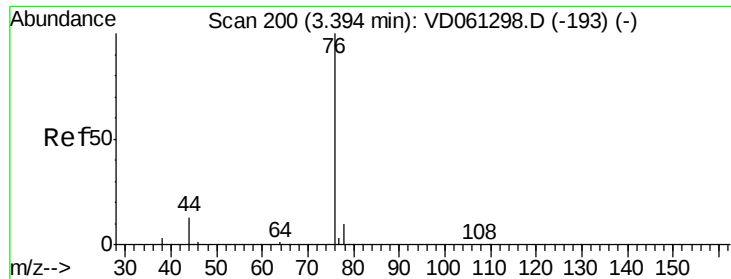
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#16
Acetone
Concen: 233.695 ug/l
RT: 3.22 min Scan# 182
Delta R.T. -0.02 min
Lab File: VD061333.D
Acq: 26 Mar 2019 13:32

Tgt Ion	Ratio	Lower	Upper
43	100		
58	26.6	19.4	29.0





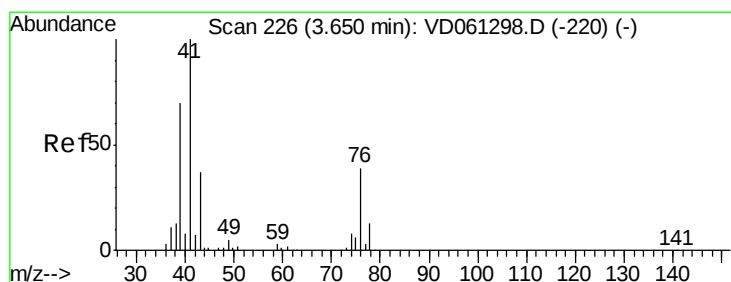
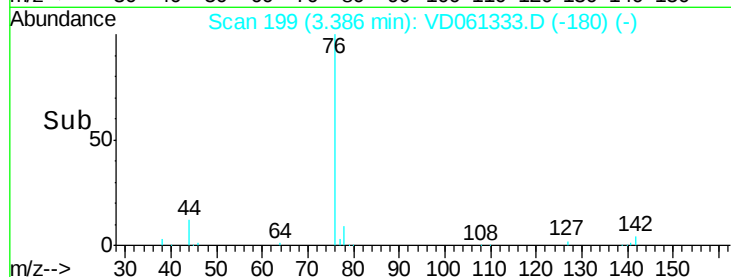
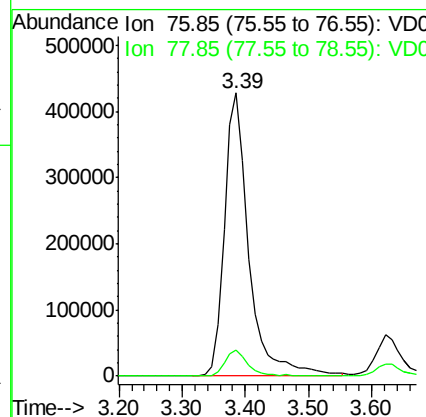
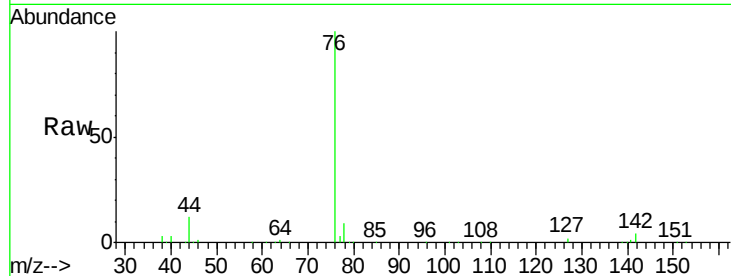
#17
Carbon Disulfide
Concen: 46.252 ug/l
RT: 3.39 min Scan# 199
Delta R.T. -0.01 min
Lab File: VD061333.D
Acq: 26 Mar 2019 13:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 1153315
Ion Ratio Lower Upper
76 100
78 9.0 7.8 11.6

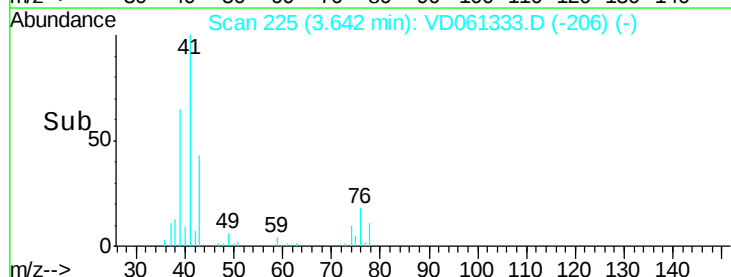
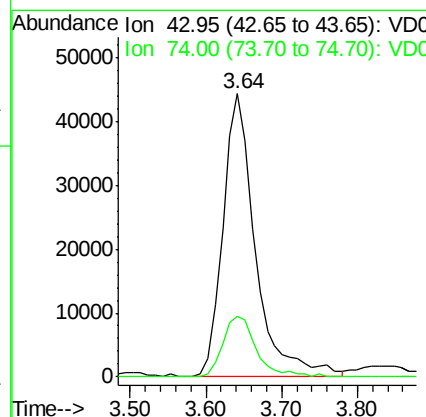
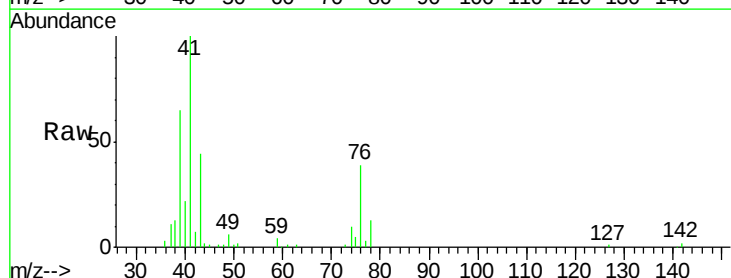
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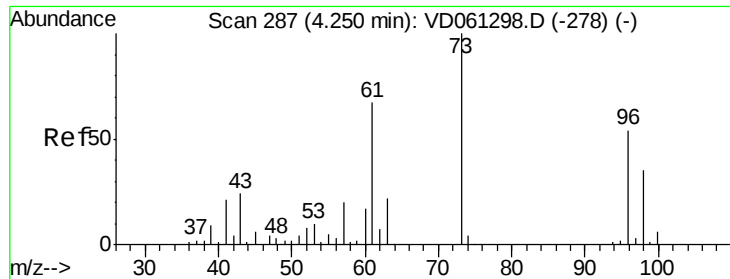
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#18
Methyl Acetate
Concen: 43.548 ug/l
RT: 3.64 min Scan# 225
Delta R.T. -0.01 min
Lab File: VD061333.D
Acq: 26 Mar 2019 13:32

Tgt Ion: 43 Resp: 132107
Ion Ratio Lower Upper
43 100
74 21.7 16.6 25.0





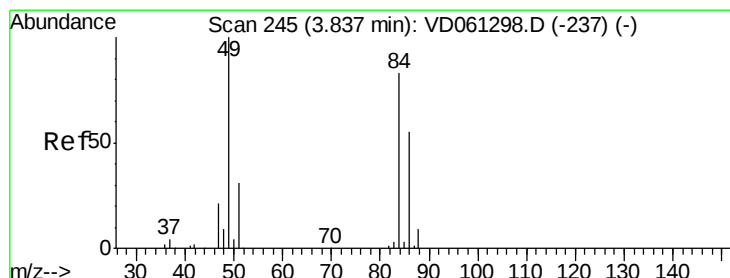
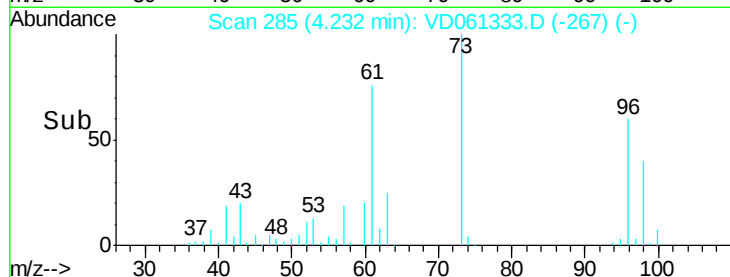
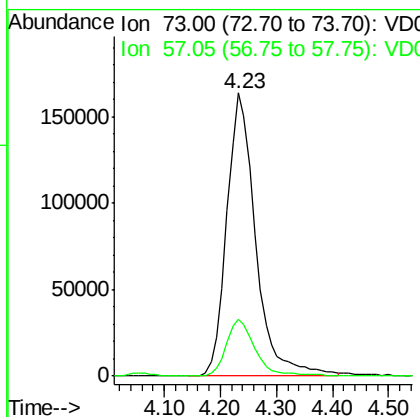
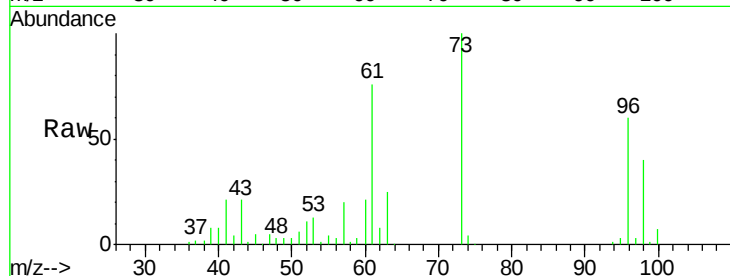
#19
Methvl tert-butvl Ether
Concen: 44.541 ug/l
RT: 4.23 min Scan# 285
Delta R.T. -0.02 min
Lab File: VD061333.D
Acq: 26 Mar 2019 13:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 588934
Ion Ratio Lower Upper
73 100
57 20.1 16.3 24.5

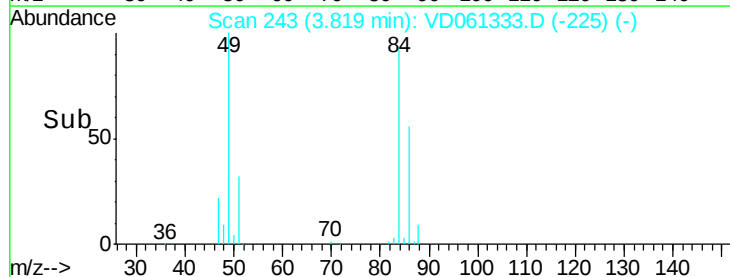
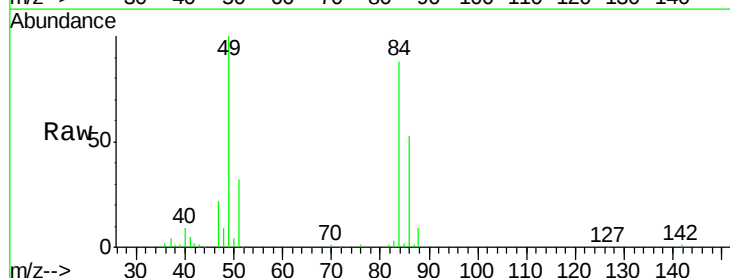
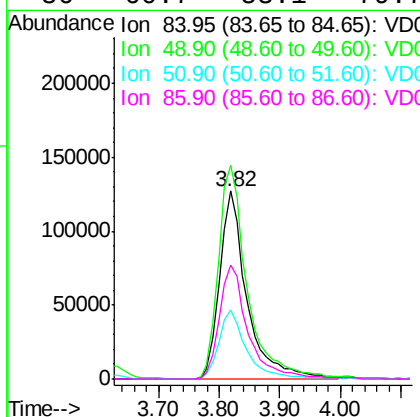
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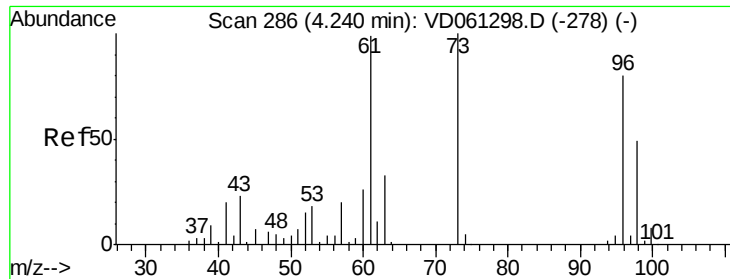
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#20
Methylene Chloride
Concen: 43.730 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.02 min
Lab File: VD061333.D
Acq: 26 Mar 2019 13:32

Tgt Ion: 84 Resp: 398327
Ion Ratio Lower Upper
84 100
49 113.6 96.8 145.2
51 36.5 29.9 44.9
86 60.7 53.1 79.7





#21

trans-1,2-Dichloroethene

Concen: 44.355 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.02 min

Lab File: VD061333.D

Acq: 26 Mar 2019 13:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 372552

Ion Ratio Lower Upper

96 100

61 130.9 99.2 148.8

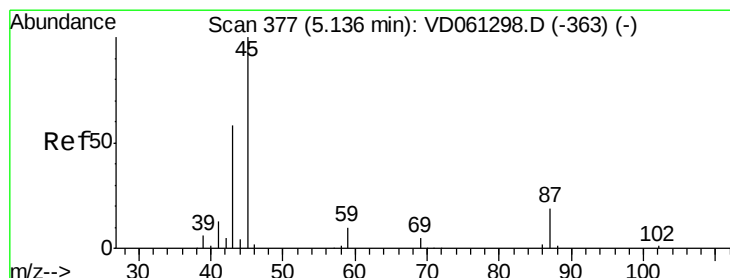
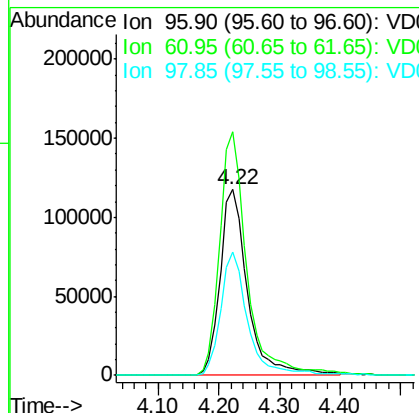
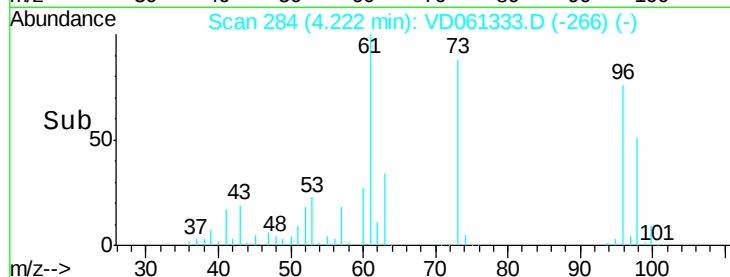
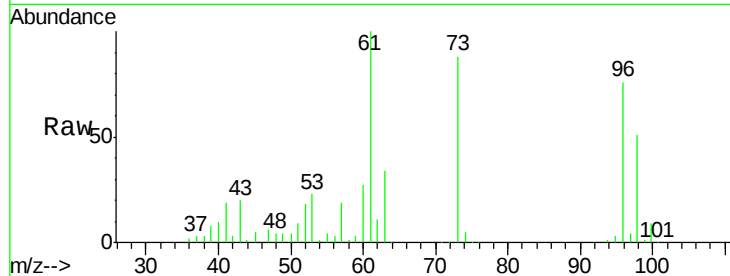
98 66.5 49.2 73.8

Manual Integrations

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#22

Diisopropyl ether

Concen: 43.917 ug/l

RT: 5.12 min Scan# 375

Delta R.T. -0.02 min

Lab File: VD061333.D

Acq: 26 Mar 2019 13:32

Tgt Ion: 45 Resp: 985341

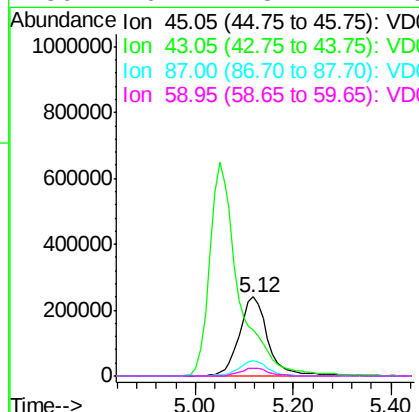
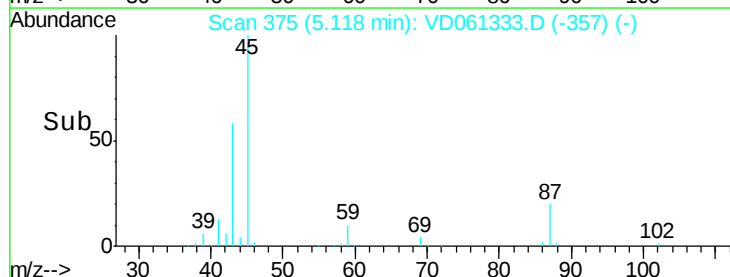
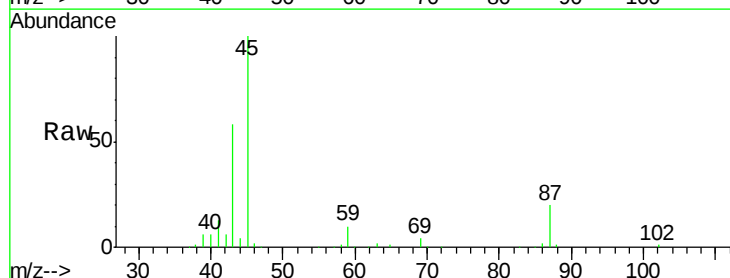
Ion Ratio Lower Upper

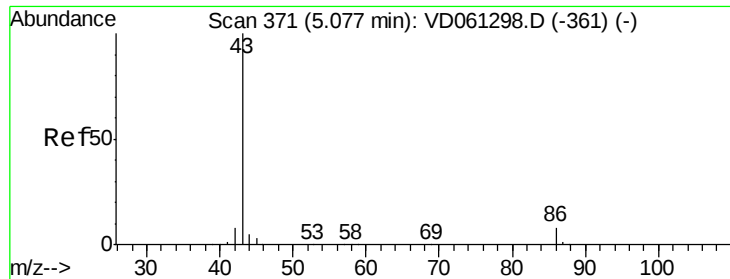
45 100

43 57.8 46.7 70.1

87 19.8 15.5 23.3

59 10.1 8.4 12.6





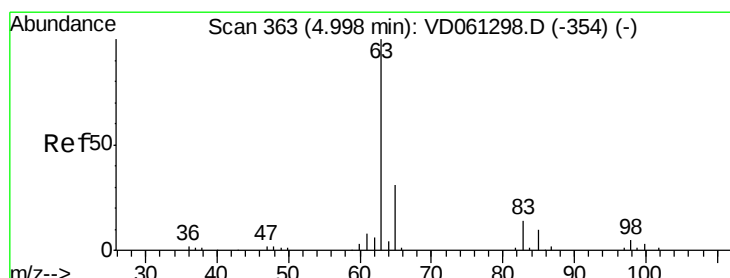
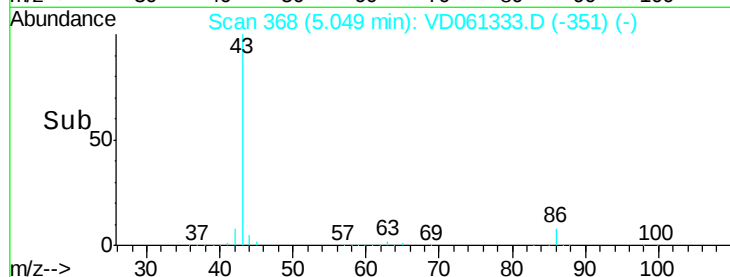
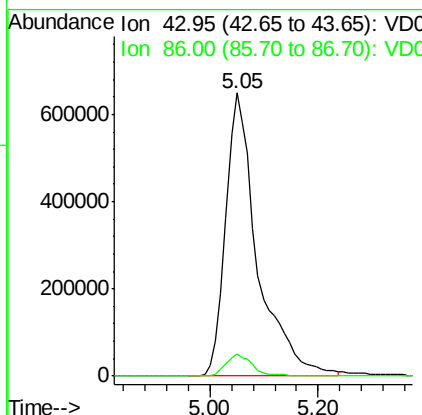
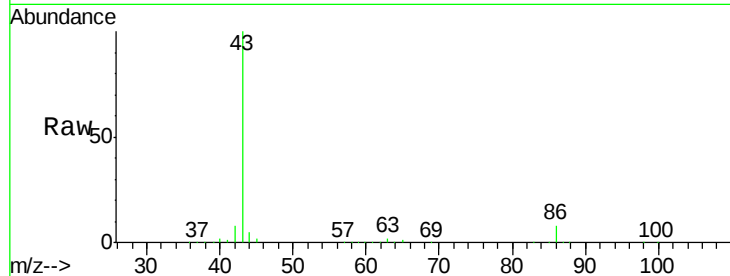
#23
 Vinyl Acetate
 Concen: 222.083 ug/l
 RT: 5.05 min Scan# 368
 Delta R.T. -0.03 min
 Lab File: VD061333.D
 Acq: 26 Mar 2019 13:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 2661269
 Ion Ratio Lower Upper
 43 100
 86 7.9 6.3 9.5

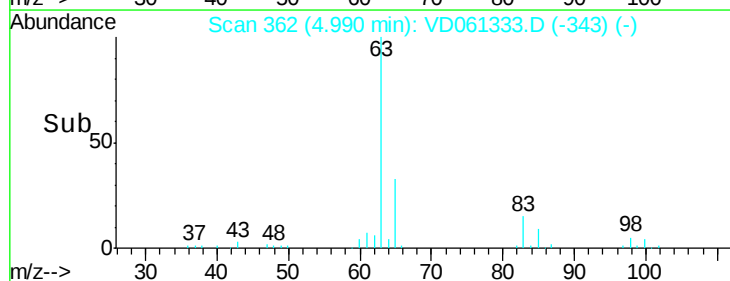
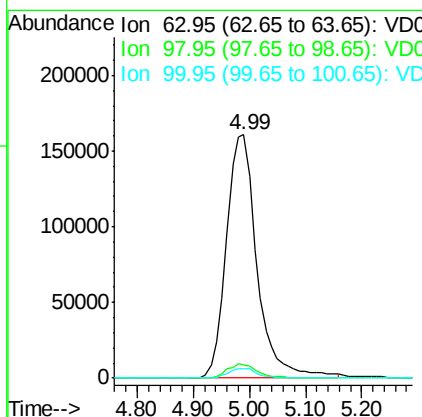
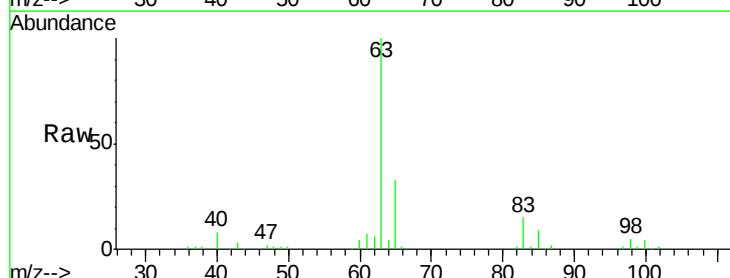
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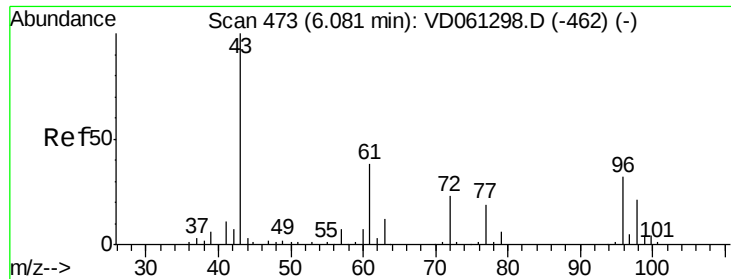
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 46.706 ug/l
 RT: 4.99 min Scan# 362
 Delta R.T. -0.01 min
 Lab File: VD061333.D
 Acq: 26 Mar 2019 13:32

Tgt Ion: 63 Resp: 610668
 Ion Ratio Lower Upper
 63 100
 98 5.5 2.8 8.3
 100 3.6 1.6 4.8





#25

2-Butanone

Concen: 236.217 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.02 min

Lab File: VD061333.D

Acq: 26 Mar 2019 13:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 438490

Ion Ratio Lower Upper

43 100

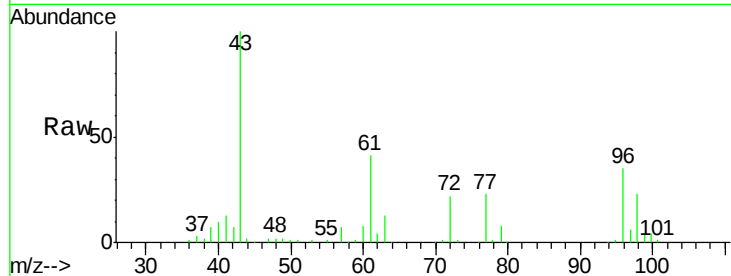
72 21.8 18.5 27.7

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

150000

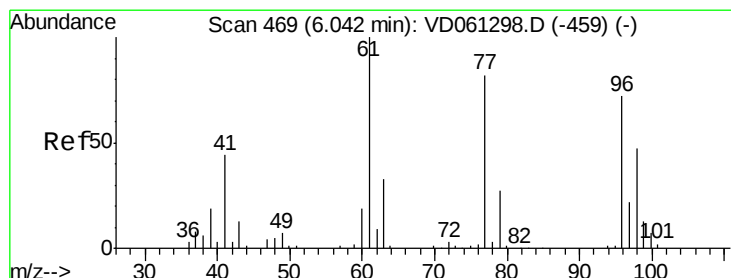
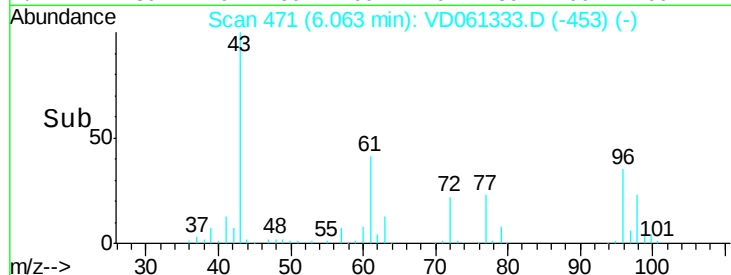
100000

50000

0

6.06

Time--> 5.90 6.00 6.10



#26

2,2-Dichloropropane

Concen: 43.722 ug/l

RT: 6.01 min Scan# 466

Delta R.T. -0.03 min

Lab File: VD061333.D

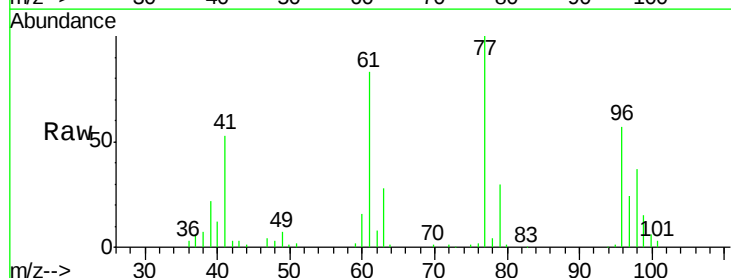
Acq: 26 Mar 2019 13:32

Tgt Ion: 77 Resp: 485403

Ion Ratio Lower Upper

77 100

97 23.5 13.5 40.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

150000

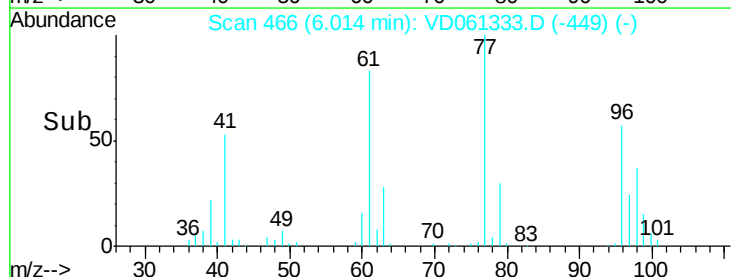
100000

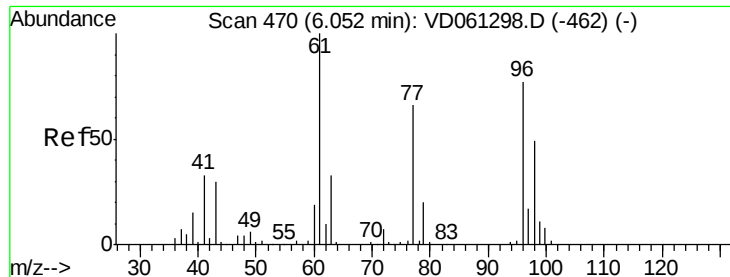
50000

0

6.01

Time--> 5.90 6.00 6.10 6.20





#27

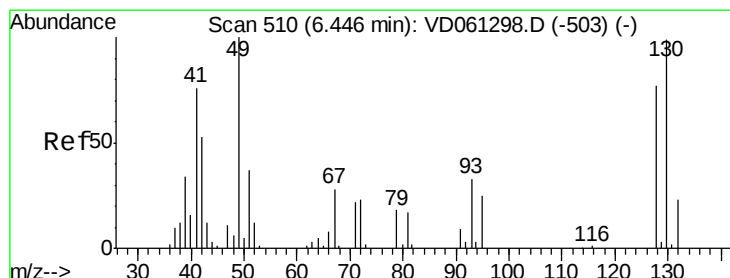
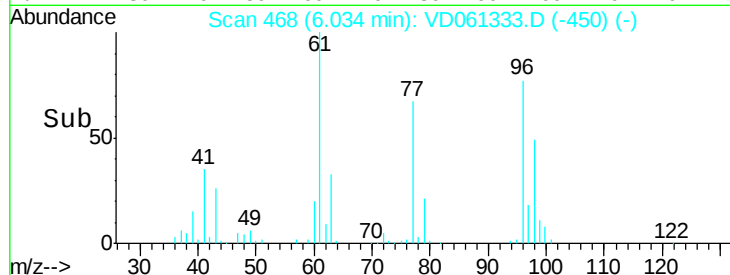
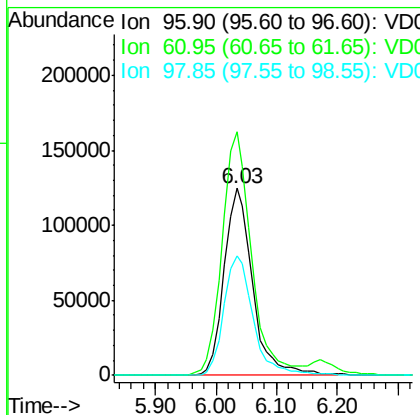
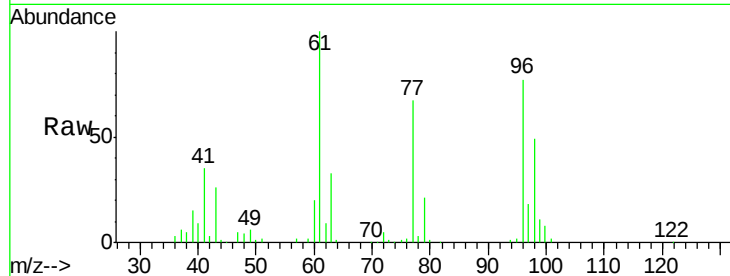
cis-1,2-Dichloroethene
Concen: 45.201 ug/l
RT: 6.03 min Scan# 468
Delta R.T. -0.02 min
Lab File: VD061333.D
Acq: 26 Mar 2019 13:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	408562		
61	130.2	0.0	261.0	
98	63.6	0.0	127.6	

Manual Integrations
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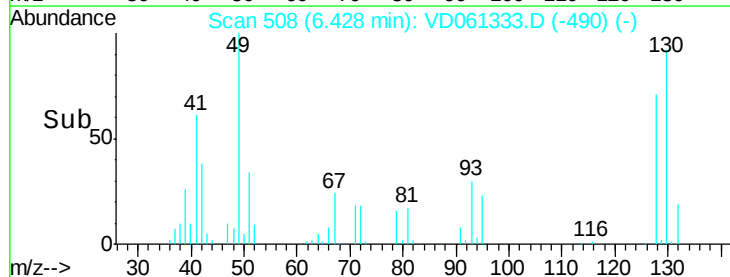
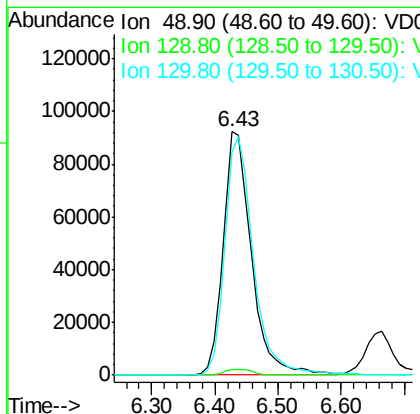
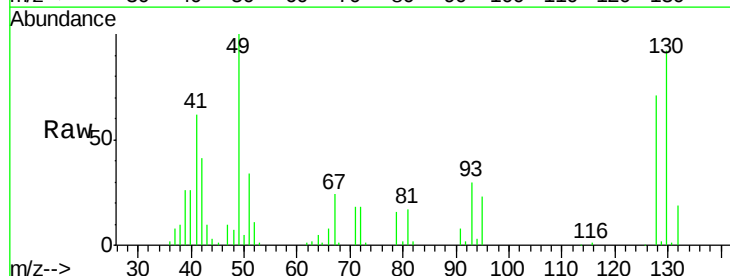
MMDadoda
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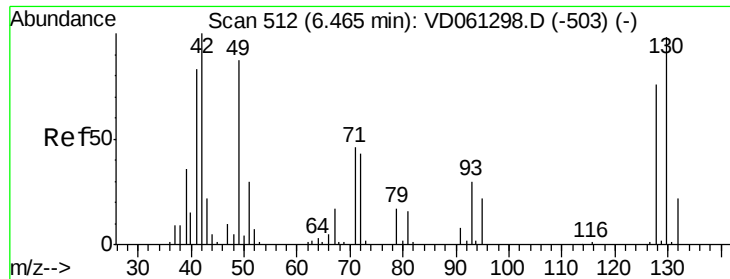


#28

Bromochloromethane
Concen: 52.218 ug/l
RT: 6.43 min Scan# 508
Delta R.T. -0.02 min
Lab File: VD061333.D
Acq: 26 Mar 2019 13:32

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	285766		
129	2.3	0.0	5.2	
130	91.7	79.0	118.6	





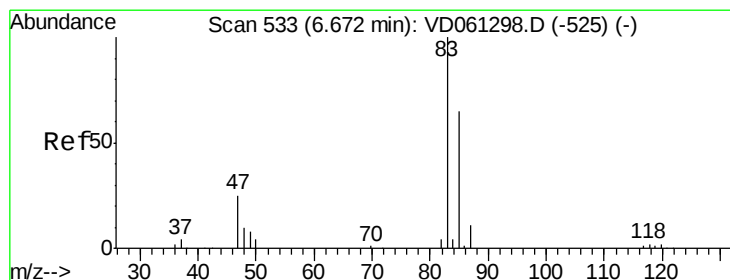
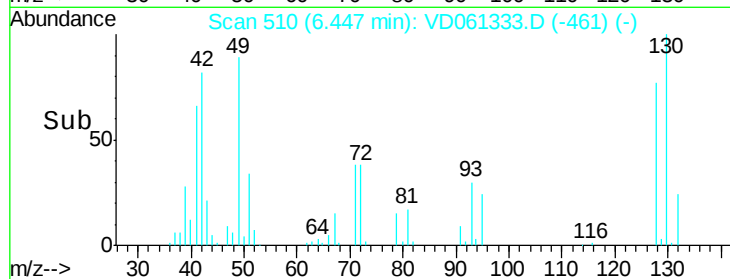
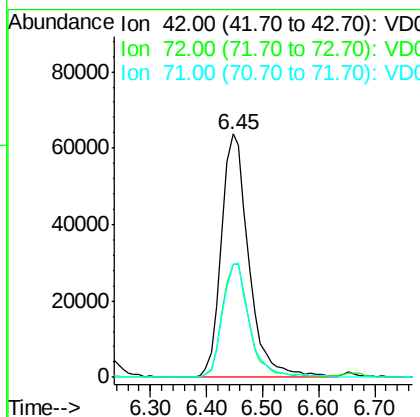
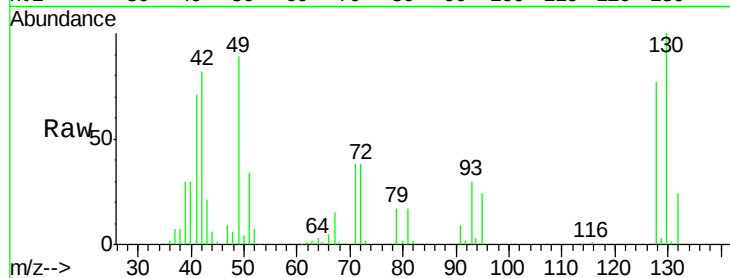
#29
Tetrahydrofuran
Concen: 235.658 ug/l
RT: 6.45 min Scan# 510
Delta R.T. -0.02 min
Lab File: VD061333.D
Acq: 26 Mar 2019 13:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.1	36.6	54.8
71	45.9	36.3	54.5

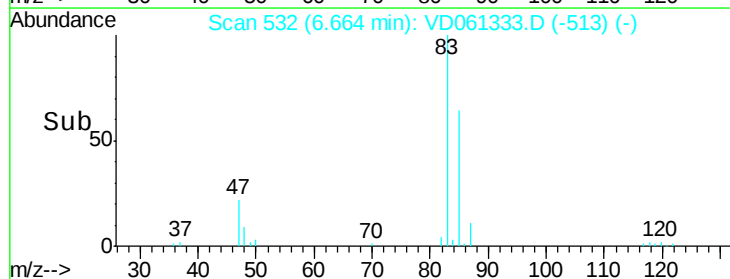
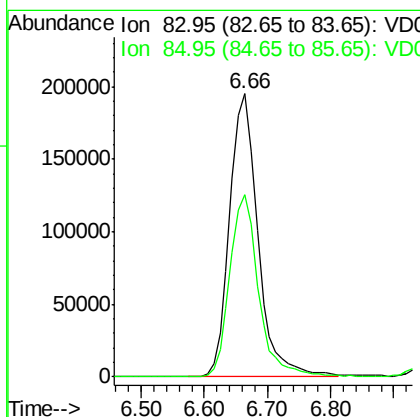
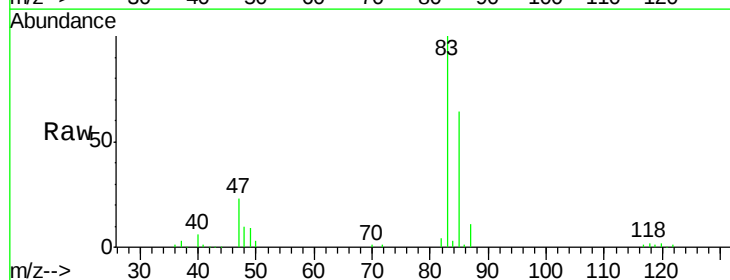
Manual Integrations
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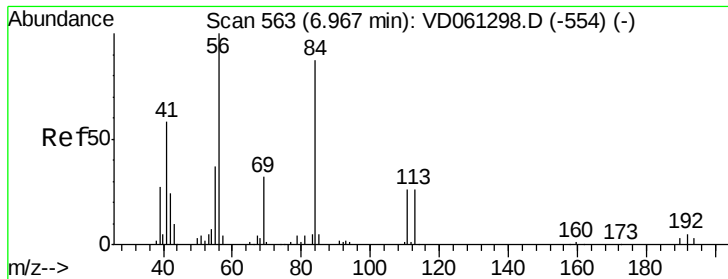
MMDadoda
3/27/2019 12:02:23 PM



#30
Chloroform
Concen: 43.673 ug/l
RT: 6.66 min Scan# 532
Delta R.T. -0.01 min
Lab File: VD061333.D
Acq: 26 Mar 2019 13:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	52.2	78.2





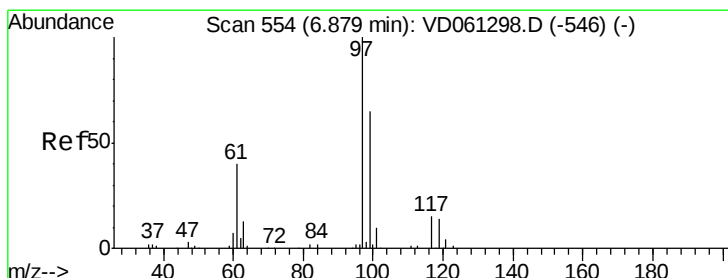
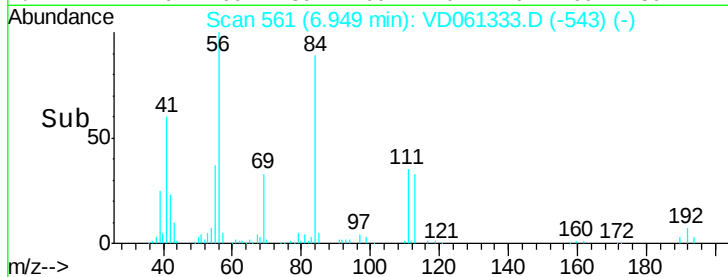
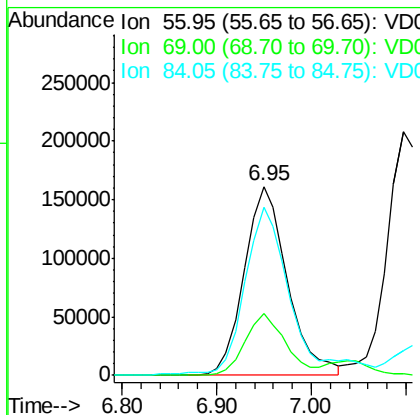
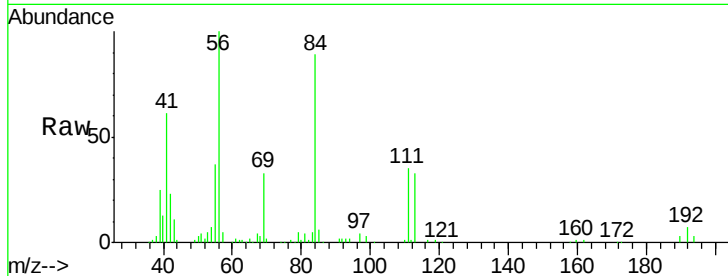
#31
Cvclohexane
Concen: 47.978 ug/l
RT: 6.95 min Scan# 561
Delta R.T. -0.02 min
Lab File: VD061333.D
Acq: 26 Mar 2019 13:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.0	25.5	38.3
84	89.3	71.4	107.2

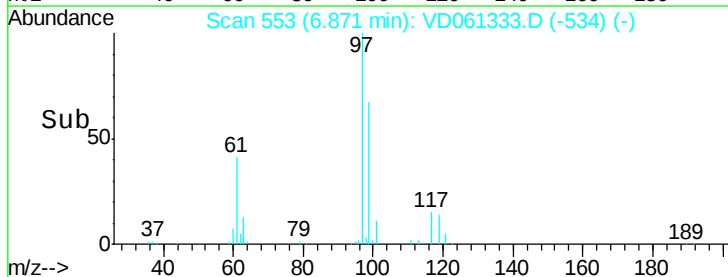
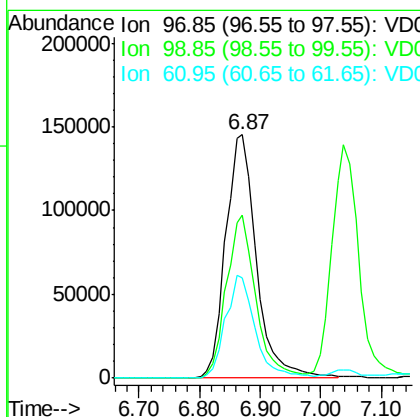
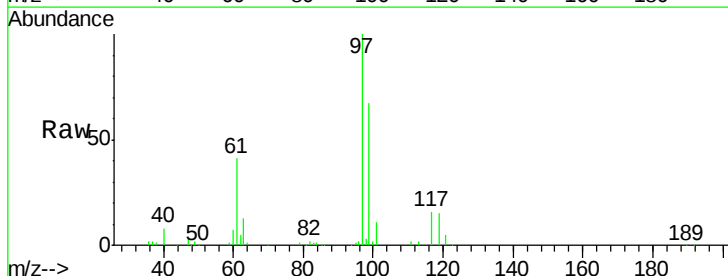
Manual Integrations
APPROVED

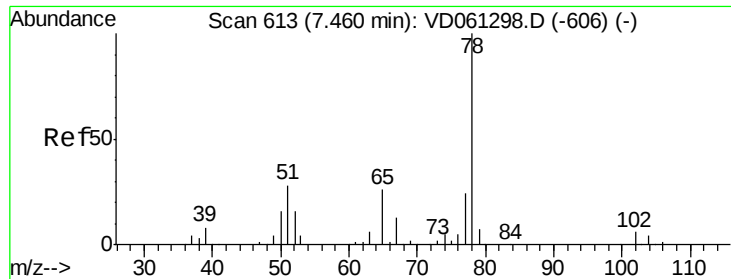
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3/27/2019 12:02:23 PM



#32
1,1,1-Trichloroethane
Concen: 41.423 ug/l
RT: 6.87 min Scan# 553
Delta R.T. -0.01 min
Lab File: VD061333.D
Acq: 26 Mar 2019 13:32

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.9	51.8	77.6
61	41.3	31.9	47.9





#33

1,2-Dichloroethane-d4

Concen: 41.423 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.01 min

Lab File: VD061333.D

Acq: 26 Mar 2019 13:32

Tot Ion: 65 Resp: 319806

Ion Ratio Lower Upper

65 100

67 51.1 0.0 100.8

Instrument :

MSVOA_D

ClientSampleId :

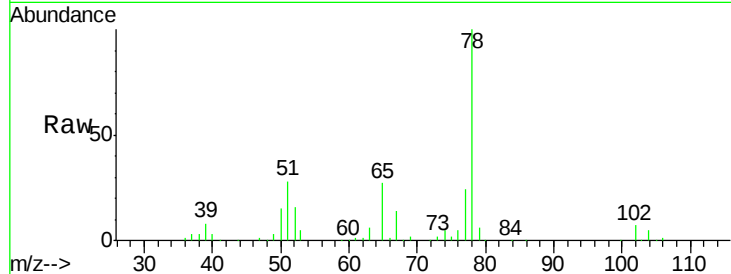
VSTDCCC050

Manual Integrations

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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.45

120000

100000

80000

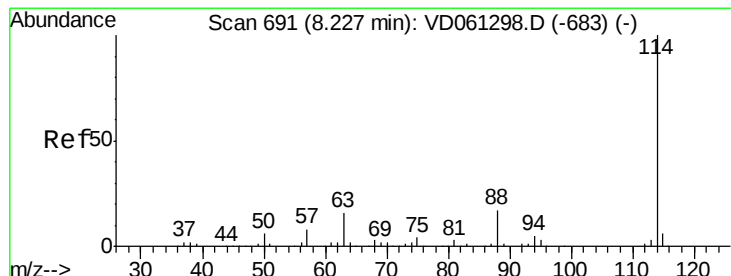
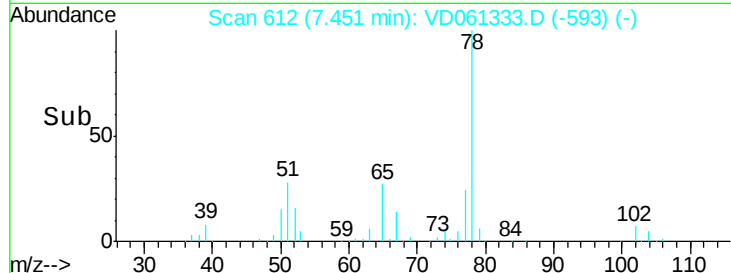
60000

40000

20000

0

Time--> 7.30 7.40 7.50 7.60



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. -0.02 min

Lab File: VD061333.D

Acq: 26 Mar 2019 13:32

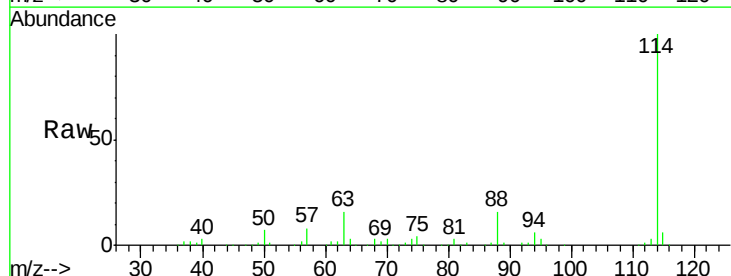
Tgt Ion: 114 Resp: 1307577

Ion Ratio Lower Upper

114 100

63 15.9 0.0 31.4

88 16.1 0.0 33.2



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

8.21

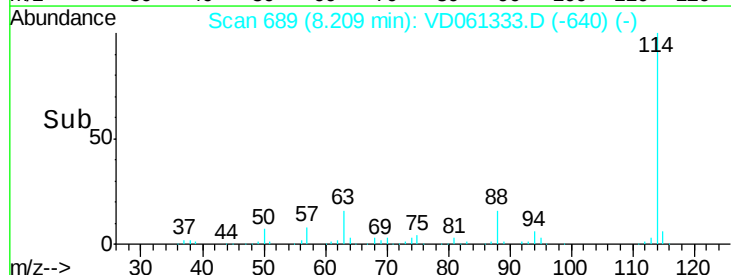
600000

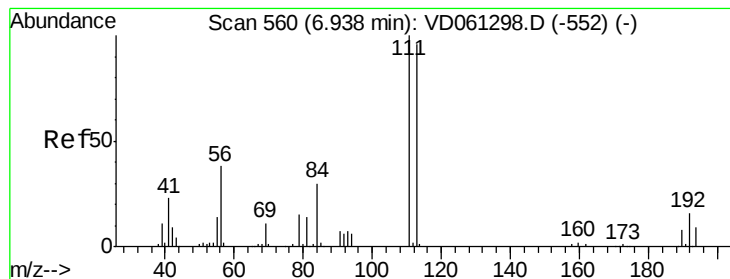
400000

200000

0

Time--> 8.00 8.20 8.40





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.02 min

Lab File: VD061333.D

Acq: 26 Mar 2019 13:32

Instrument :

MSVOA_D

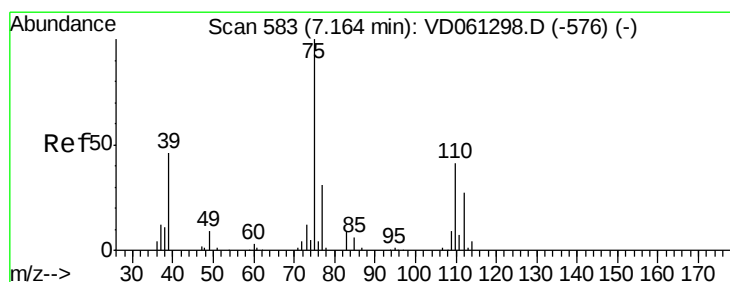
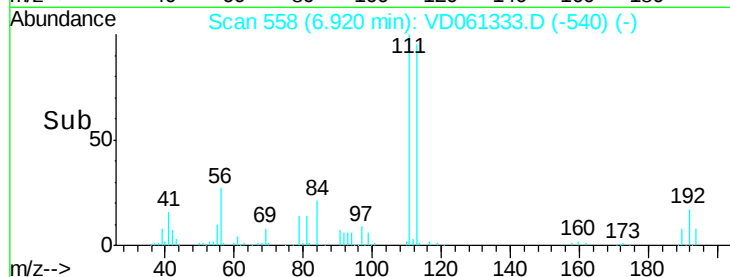
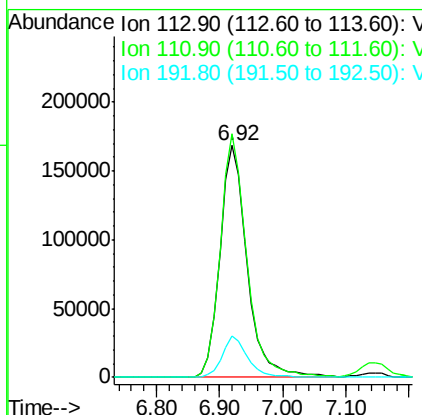
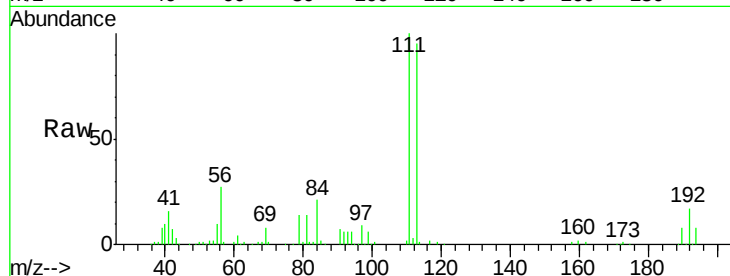
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	505671
Ion	Ratio	Lower	Upper
113	100		
111	105.0	83.7	125.5
192	17.9	13.4	20.0

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 43.298 ug/l

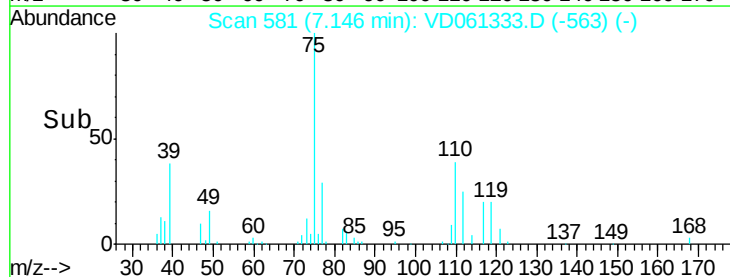
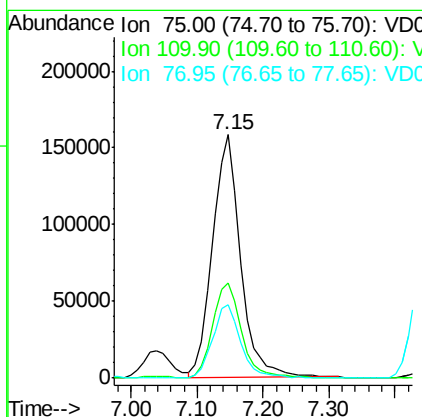
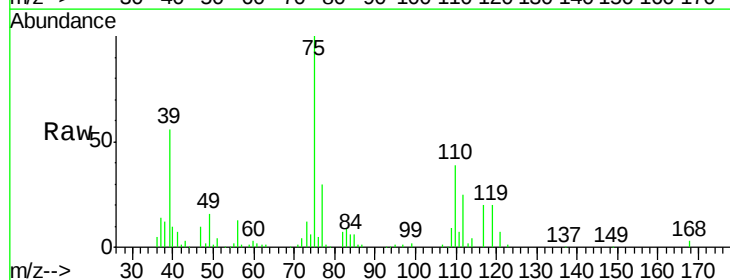
RT: 7.15 min Scan# 581

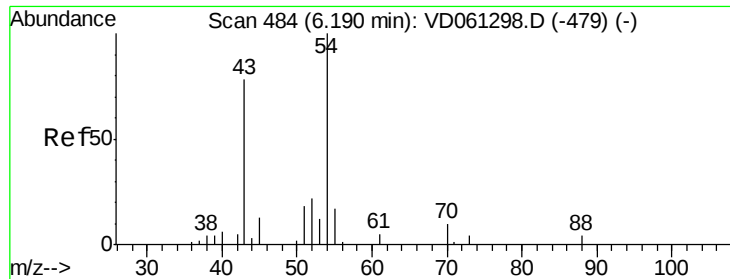
Delta R.T. -0.02 min

Lab File: VD061333.D

Acq: 26 Mar 2019 13:32

Tgt Ion:	75	Resp:	463209
Ion	Ratio	Lower	Upper
75	100		
110	39.0	20.1	60.2
77	30.2	24.3	36.5





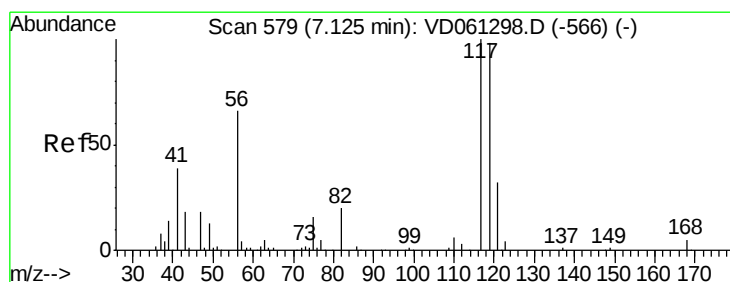
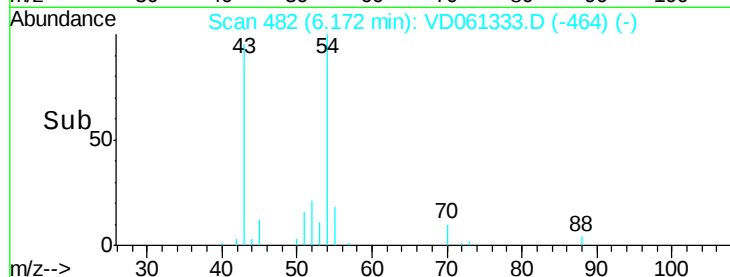
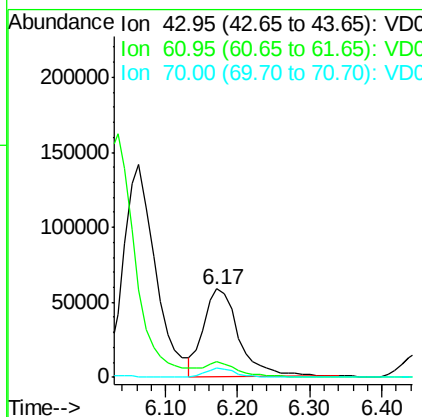
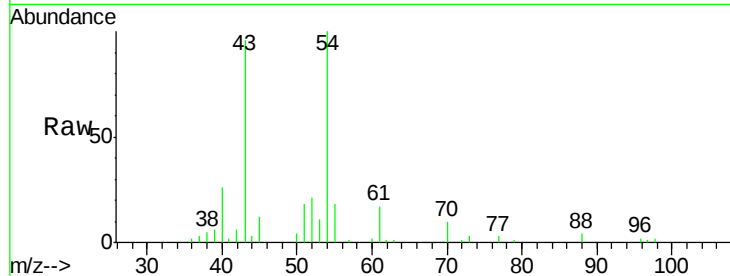
#37
Ethyl Acetate
Concen: 44.169 ug/l
RT: 6.17 min Scan# 482
Delta R.T. -0.02 min
Lab File: VD061333.D
Acq: 26 Mar 2019 13:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.3	12.6	19.0
70	10.0	8.2	12.4

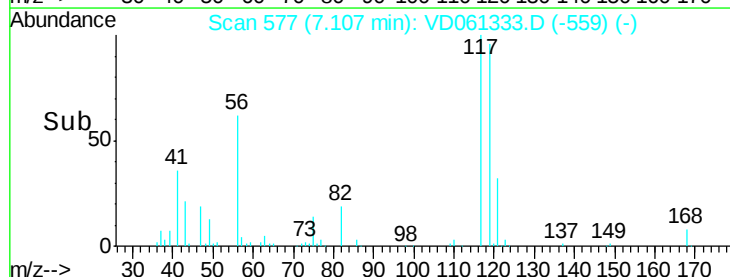
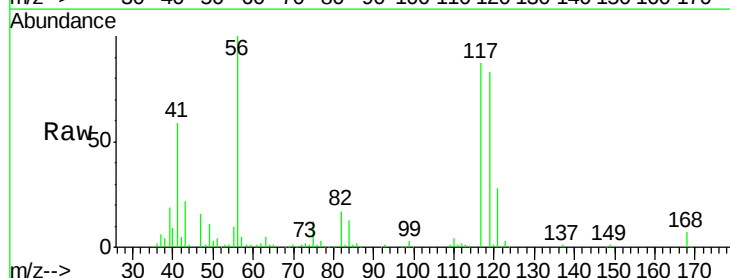
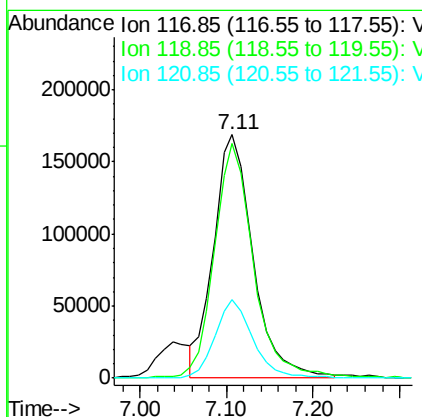
Manual Integrations
APPROVED

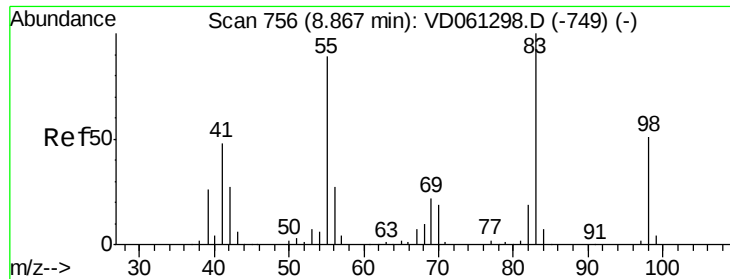
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#38
Carbon Tetrachloride
Concen: 43.935 ug/l m
RT: 7.11 min Scan# 577
Delta R.T. -0.02 min
Lab File: VD061333.D
Acq: 26 Mar 2019 13:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.2	78.4	117.6
121	32.0	25.1	37.7





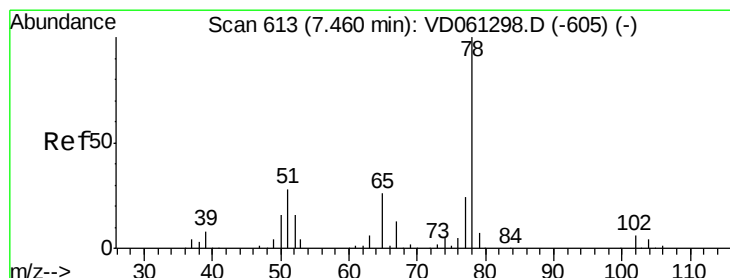
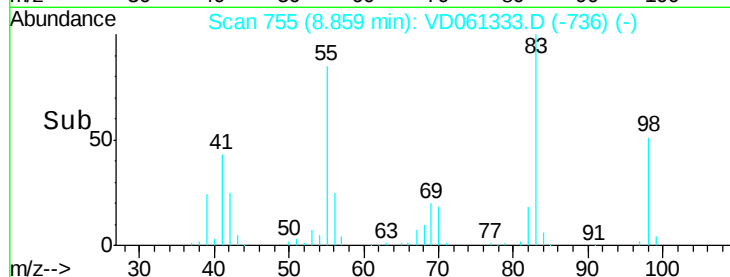
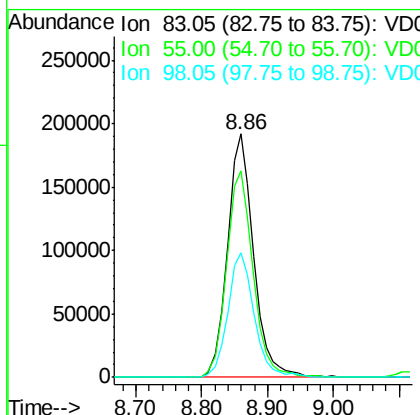
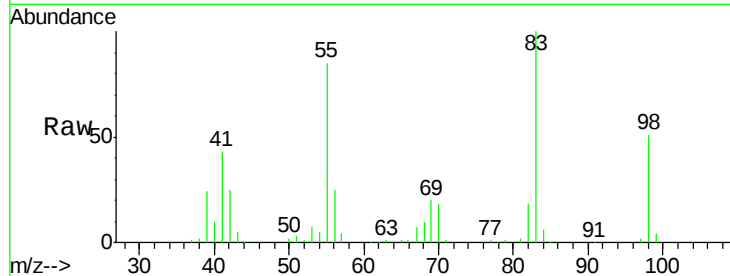
#39
Methvlcvclohexane
Concen: 48.154 ug/l
RT: 8.86 min Scan# 755
Delta R.T. -0.01 min
Lab File: VD061333.D
Acq: 26 Mar 2019 13:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	533538
Ion Ratio	100	Lower	Upper
83	100		
55	84.6	71.3	106.9
98	51.1	40.4	60.6

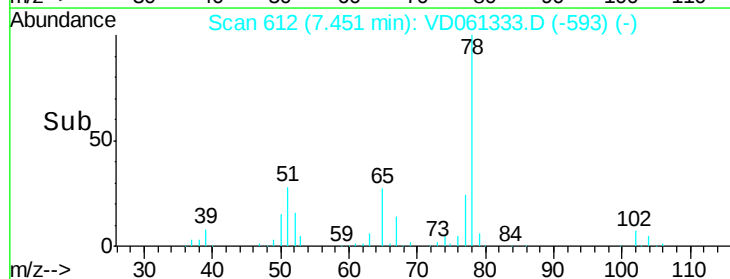
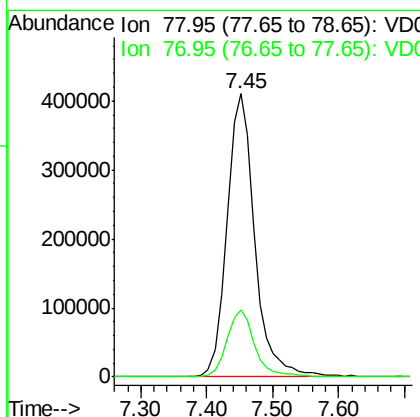
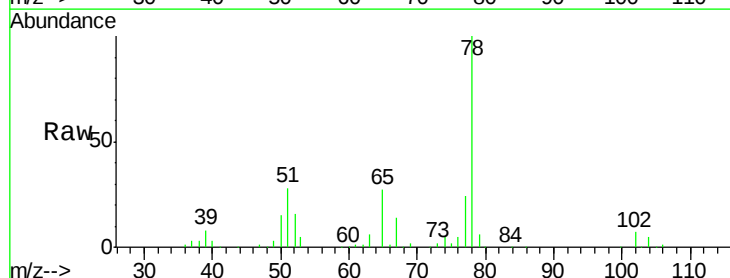
Manual Integrations
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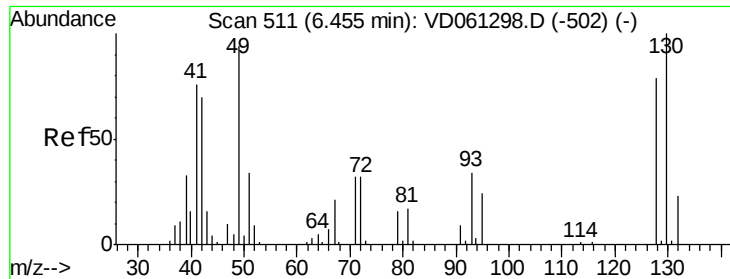
MMDadoda
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#40
Benzene
Concen: 45.495 ug/l
RT: 7.45 min Scan# 612
Delta R.T. -0.01 min
Lab File: VD061333.D
Acq: 26 Mar 2019 13:32

Tgt Ion	78	Resp	1208764
Ion Ratio	100	Lower	Upper
78	100		
77	23.8	18.8	28.2





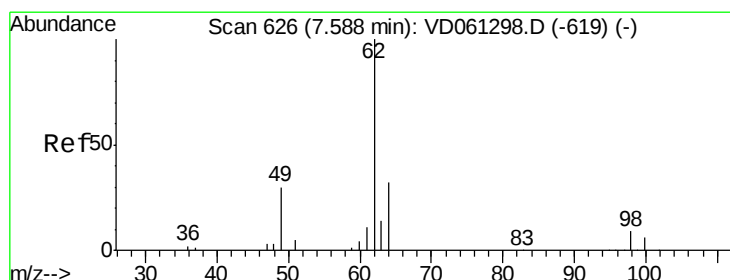
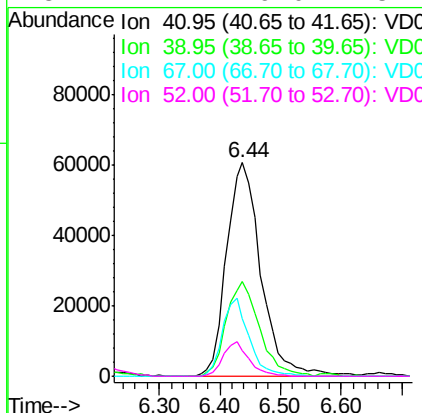
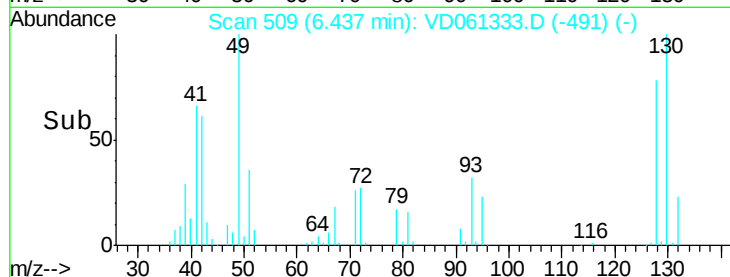
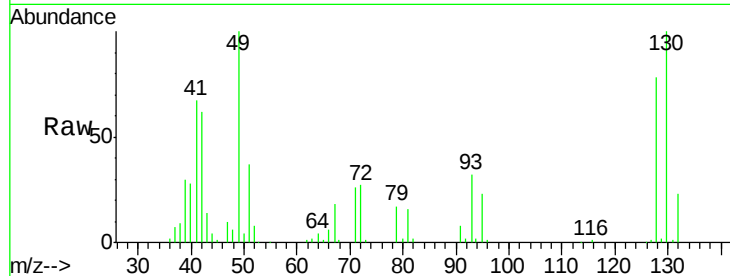
#41
Methacrylonitrile
Concen: 45.736 ug/l
RT: 6.44 min Scan# 509
Delta R.T. -0.02 min
Lab File: VD061333.D
Acq: 26 Mar 2019 13:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	44.3	34.2	51.2
67	27.1	21.8	32.6
52	12.2	9.0	13.4

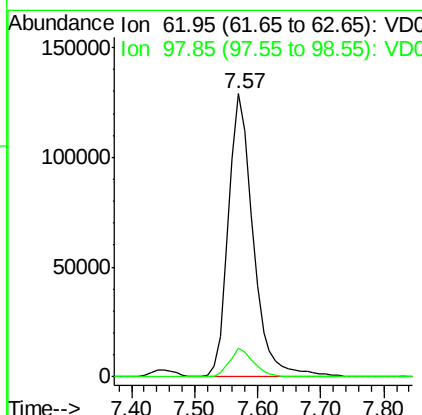
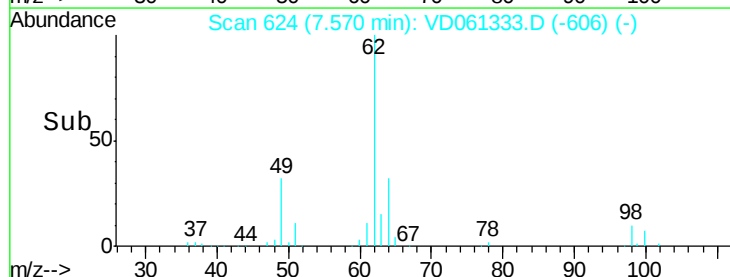
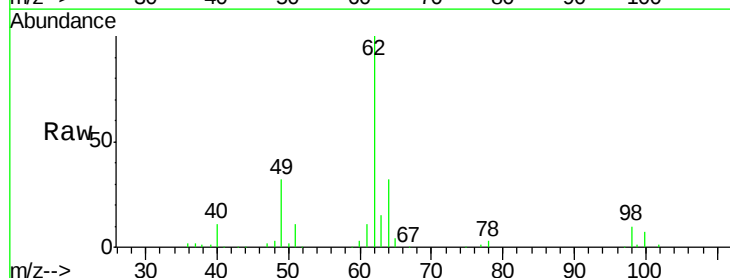
Manual Integrations
APPROVED

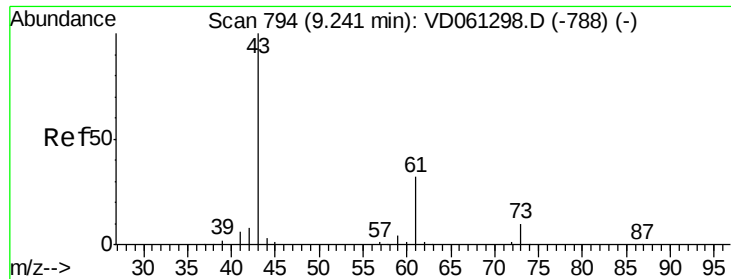
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3/27/2019 12:02:23 PM



#42
1,2-Dichloroethane
Concen: 42.444 ug/l
RT: 7.57 min Scan# 624
Delta R.T. -0.02 min
Lab File: VD061333.D
Acq: 26 Mar 2019 13:32

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	18.6





#43

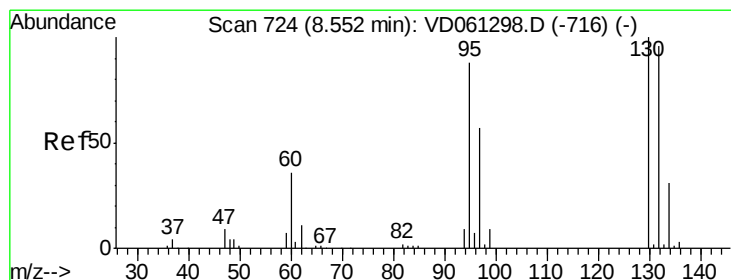
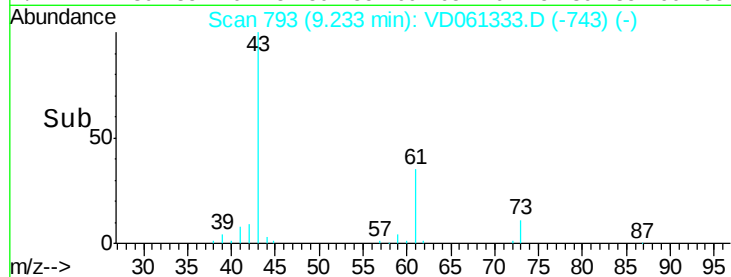
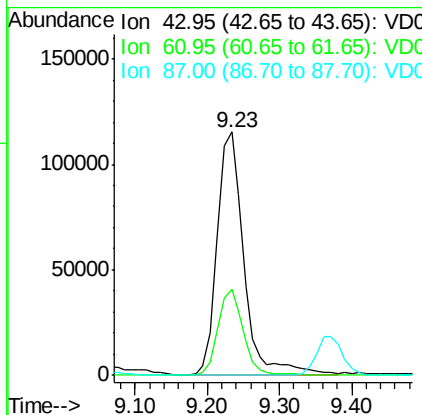
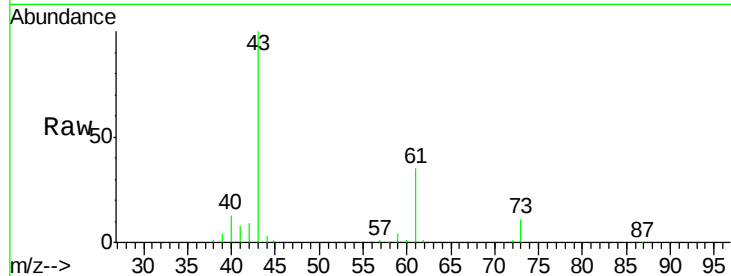
Isopropyl Acetate
 Concen: 46.014 ug/l
 RT: 9.23 min Scan# 793
 Delta R.T. -0.01 min
 Lab File: VD061333.D
 Acq: 26 Mar 2019 13:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	35.3	25.8	38.8
87	0.3	0.3	0.5

Manual Integrations
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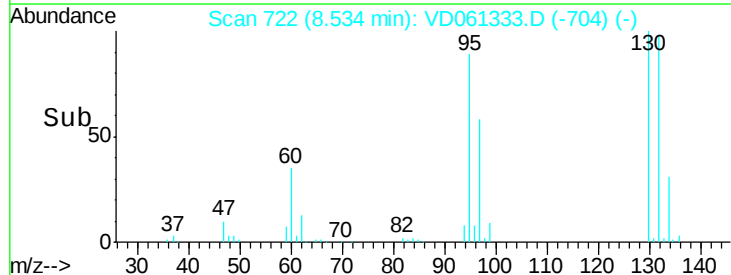
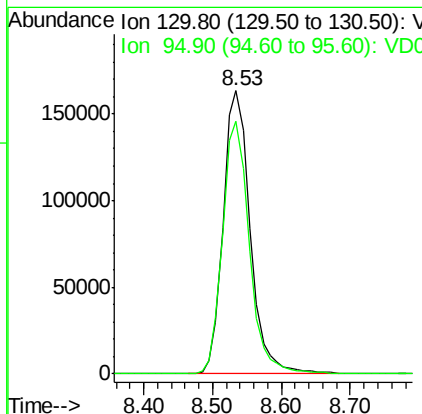
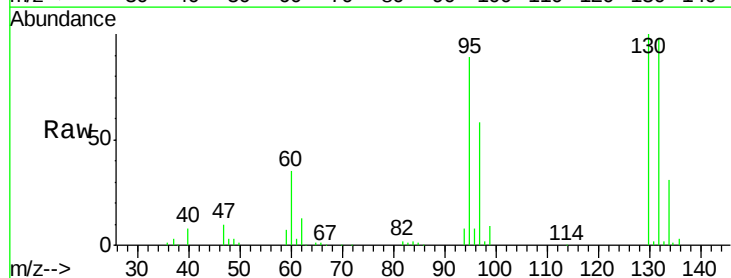
MMDadoda
 3/27/2019 12:02:23 PM

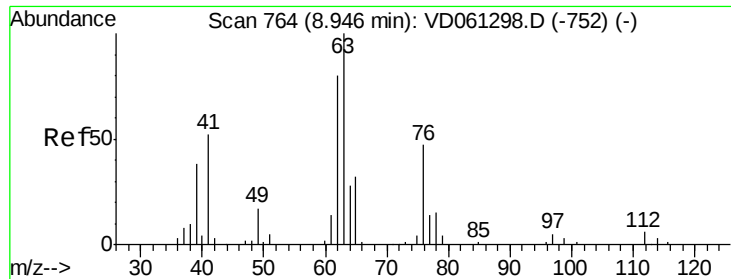


#44

Trichloroethene
 Concen: 46.199 ug/l
 RT: 8.53 min Scan# 722
 Delta R.T. -0.02 min
 Lab File: VD061333.D
 Acq: 26 Mar 2019 13:32

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.2	0.0	175.0





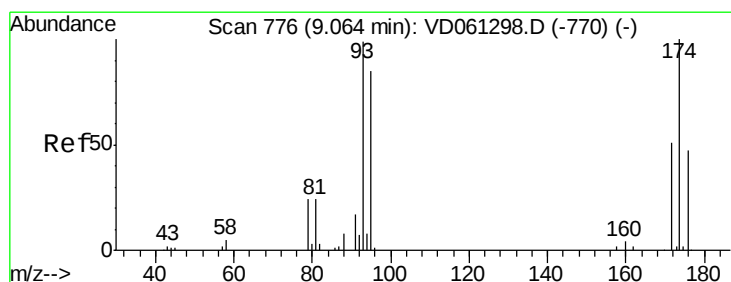
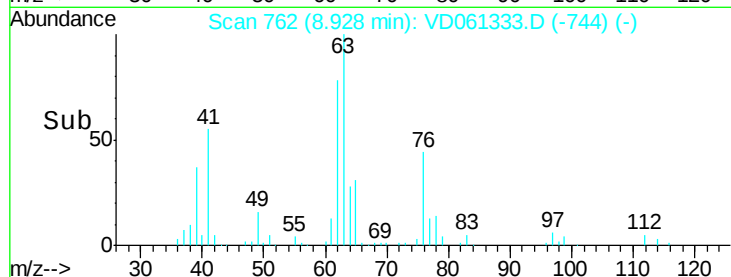
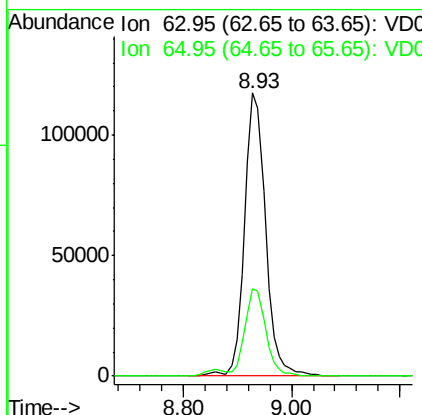
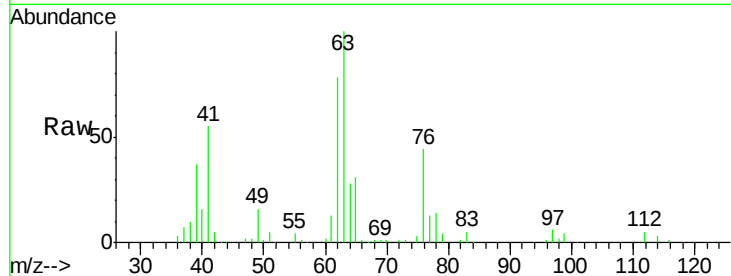
#45
 1,2-Dichloropropane
 Concen: 48.456 ug/l
 RT: 8.93 min Scan# 762
 Delta R.T. -0.02 min
 Lab File: VD061333.D
 Acq: 26 Mar 2019 13:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 317751
 Ion Ratio Lower Upper
 63 100
 65 30.7 25.2 37.8

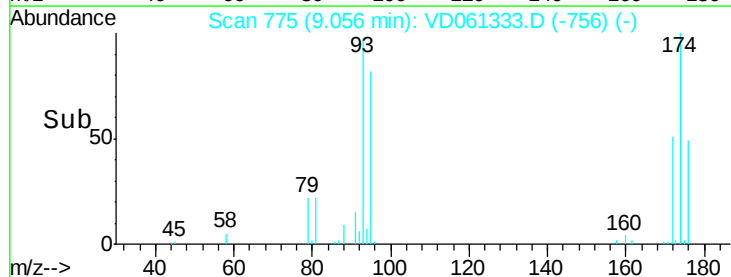
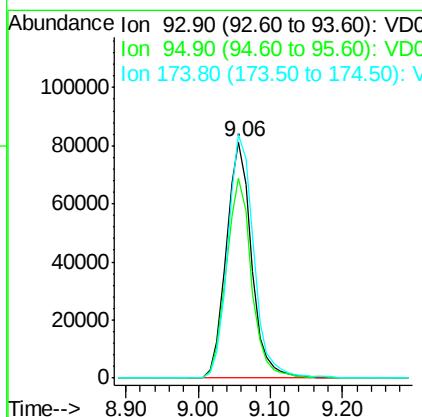
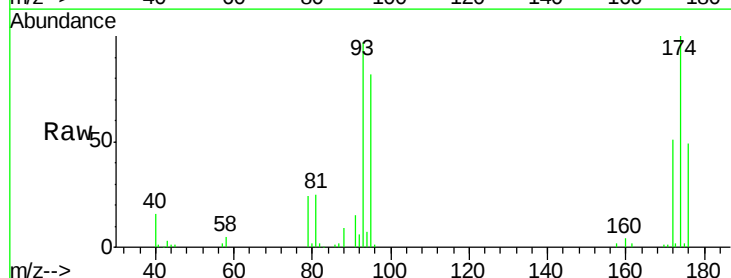
Manual Integrations
 APPROVED

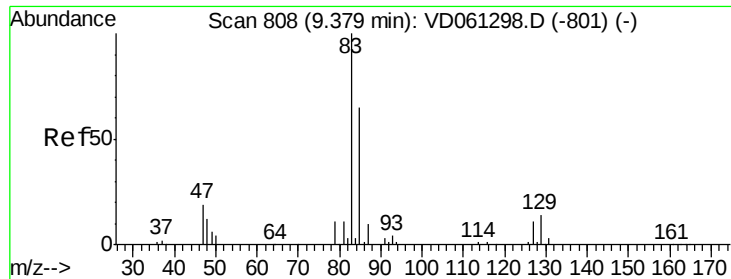
MMDadoda
 3/27/2019 12:02:23 PM



#46
 Dibromomethane
 Concen: 44.034 ug/l
 RT: 9.06 min Scan# 775
 Delta R.T. -0.01 min
 Lab File: VD061333.D
 Acq: 26 Mar 2019 13:32

Tgt Ion: 93 Resp: 197929
 Ion Ratio Lower Upper
 93 100
 95 84.8 68.1 102.1
 174 103.0 80.4 120.6





#47

Bromodichloromethane

Concen: 42.947 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.01 min

Lab File: VD061333.D

Acq: 26 Mar 2019 13:32

Instrument :

MSVOA_D

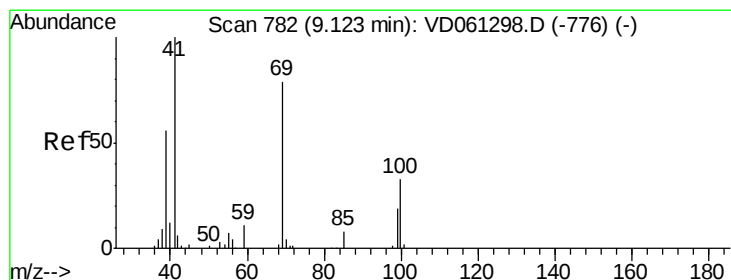
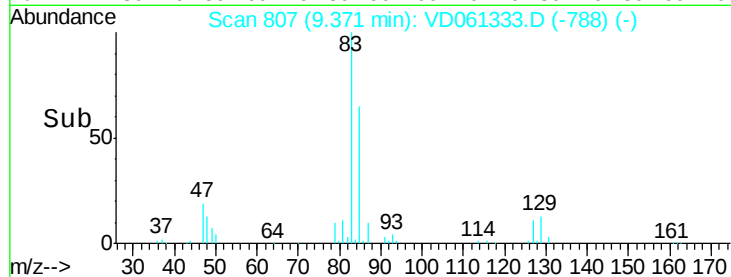
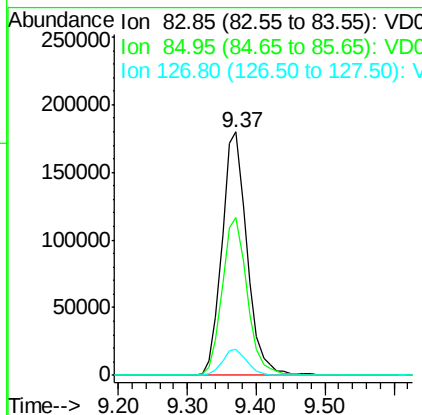
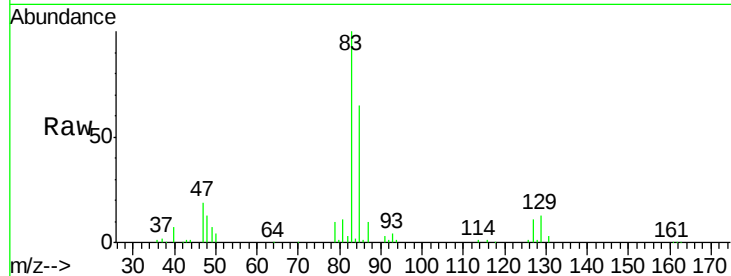
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	452469
Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.7	77.5
127	10.8	8.8	13.2

Manual Integrations
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3/27/2019 12:02:23 PM



#48

Methyl methacrylate

Concen: 43.570 ug/l

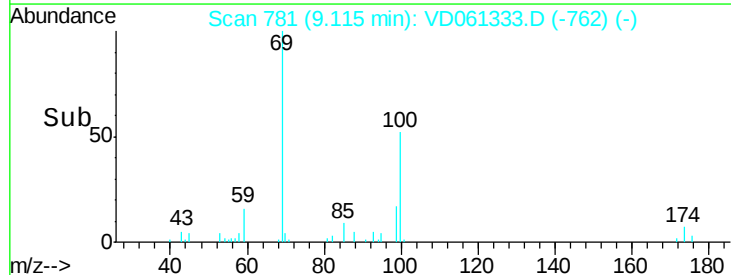
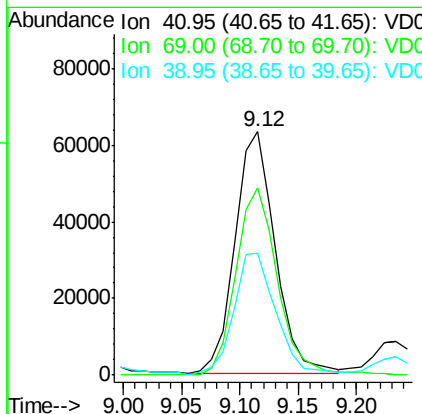
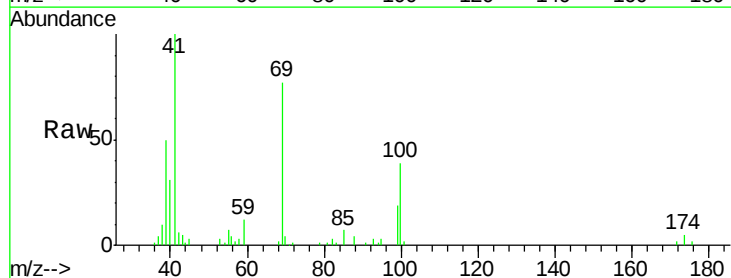
RT: 9.12 min Scan# 781

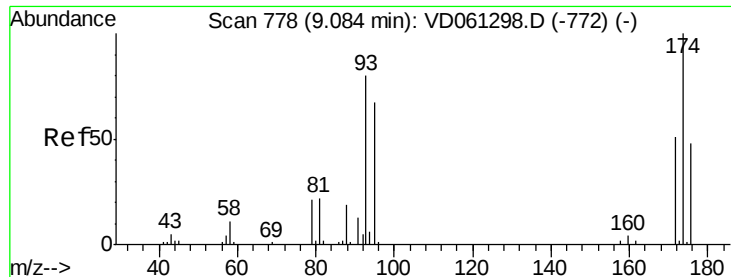
Delta R.T. -0.01 min

Lab File: VD061333.D

Acq: 26 Mar 2019 13:32

Tgt Ion:	41	Resp:	149829
Ion	Ratio	Lower	Upper
41	100		
69	76.8	62.4	93.6
39	49.9	44.9	67.3





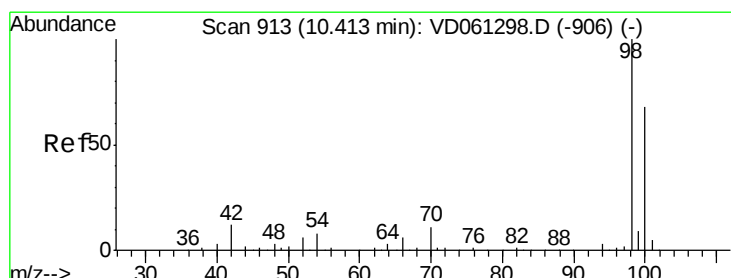
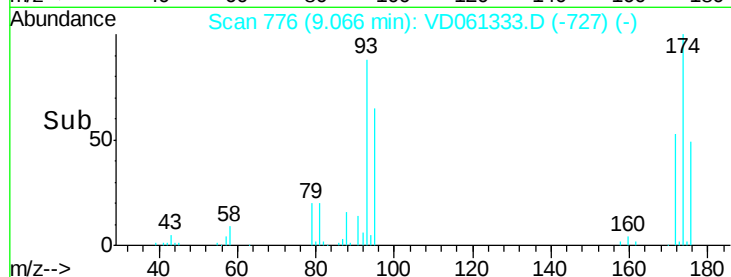
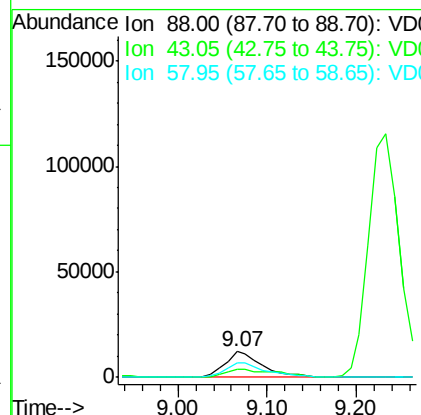
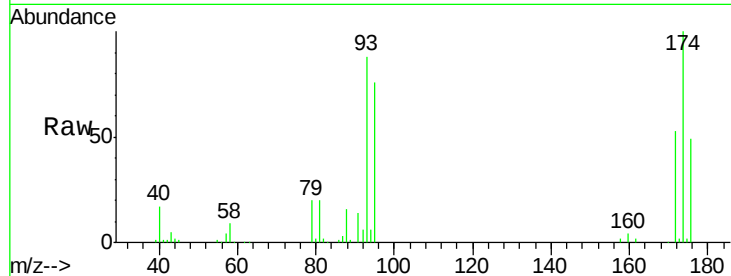
#49
1,4-Dioxane
Concen: 937.489 ug/l
RT: 9.07 min Scan# 776
Delta R.T. -0.02 min
Lab File: VD061333.D
Acq: 26 Mar 2019 13:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.4	20.7	31.1
58	57.7	44.9	67.3

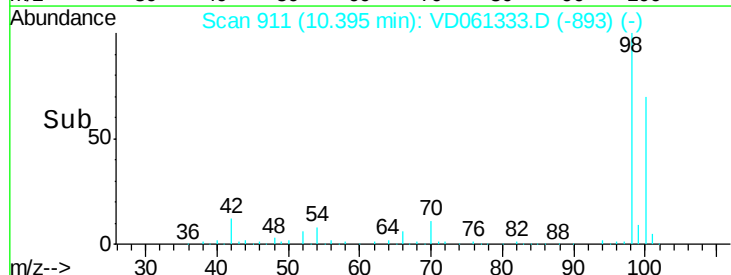
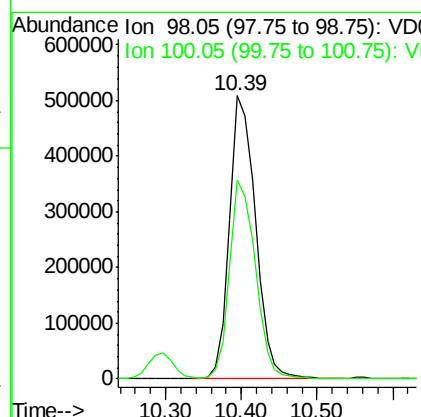
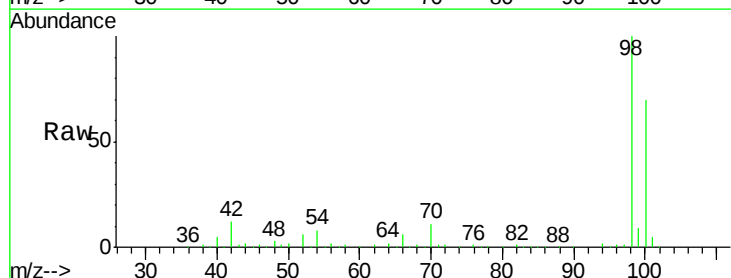
Manual Integrations
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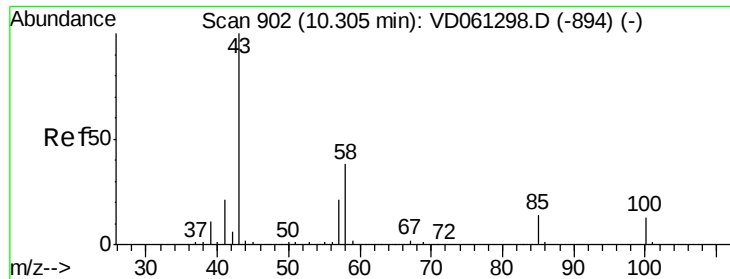
MMDadoda
3/27/2019 12:02:23 PM



#50
Toluene-d8
Concen: 937.489 ug/l
RT: 10.39 min Scan# 911
Delta R.T. -0.02 min
Lab File: VD061333.D
Acq: 26 Mar 2019 13:32

Tgt Ion	Ratio	Lower	Upper
98	100		
100	70.1	55.4	83.0





#51

4-Methyl-2-Pentanone

Concen: 223.701 ug/l

RT: 10.29 min Scan# 900

Delta R.T. -0.02 min

Lab File: VD061333.D

Acq: 26 Mar 2019 13:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 857987

Ion Ratio Lower Upper

43 100

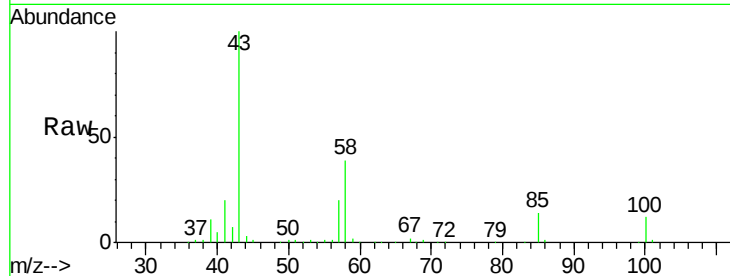
58 39.4 30.6 45.8

Manual Integrations

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.29

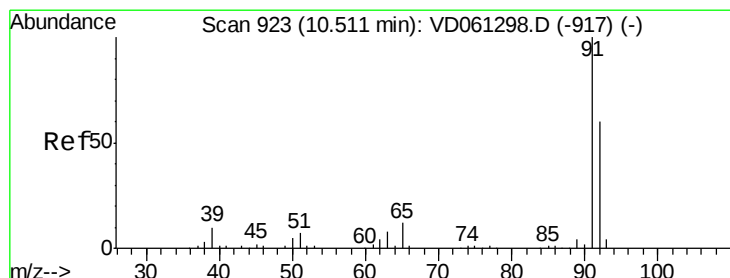
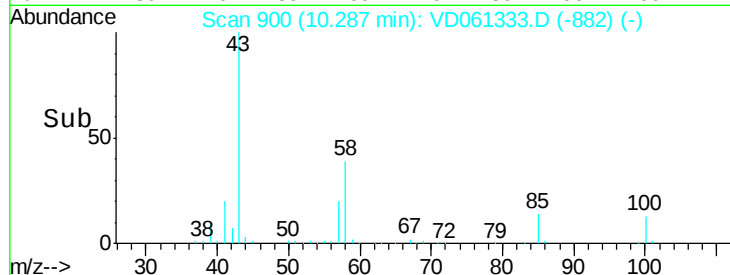
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 43.123 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.01 min

Lab File: VD061333.D

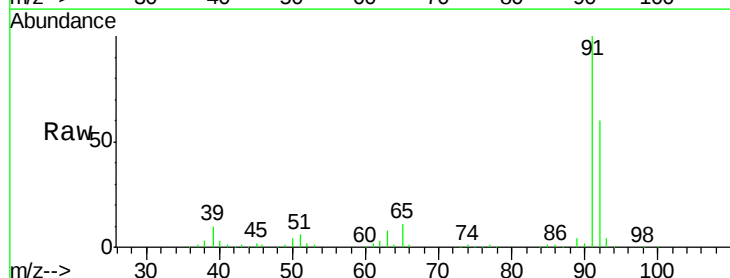
Acq: 26 Mar 2019 13:32

Tgt Ion: 92 Resp: 701048

Ion Ratio Lower Upper

92 100

91 167.1 133.1 199.7



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.50

500000

400000

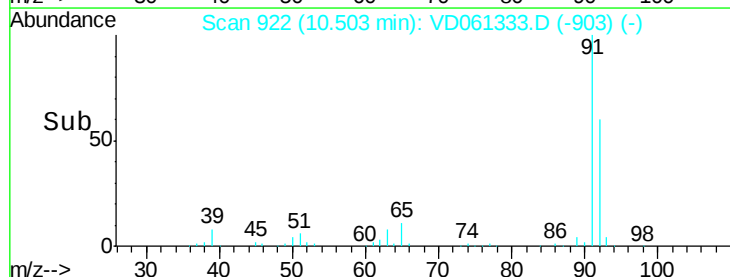
300000

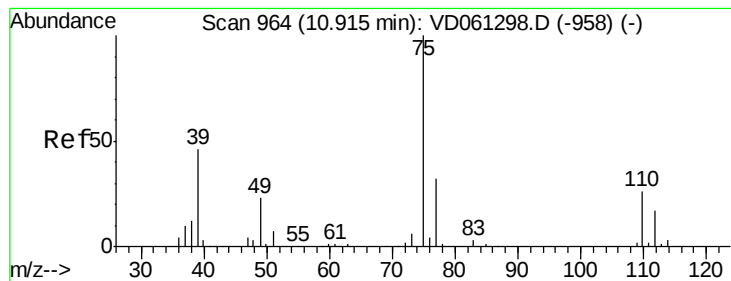
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 41.987 ug/l

RT: 10.90 min Scan# 962

Delta R.T. -0.02 min

Lab File: VD061333.D

Acq: 26 Mar 2019 13:32

Tot Ion: 75 Resp: 384428

Ion Ratio Lower Upper

75 100

77 31.8 25.8 38.6

Instrument :

MSVOA_D

ClientSampleId :

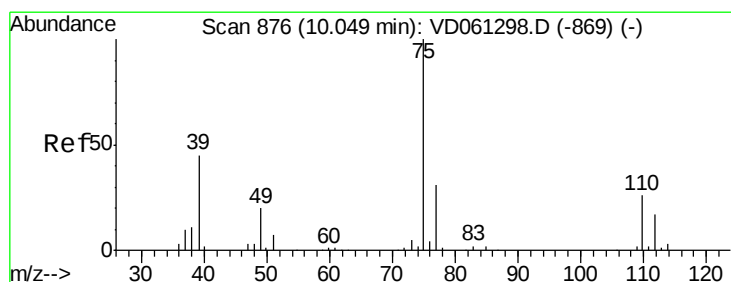
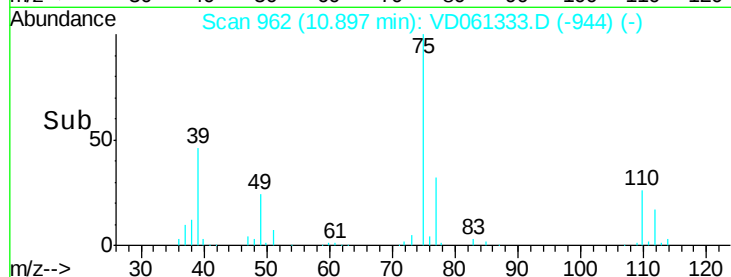
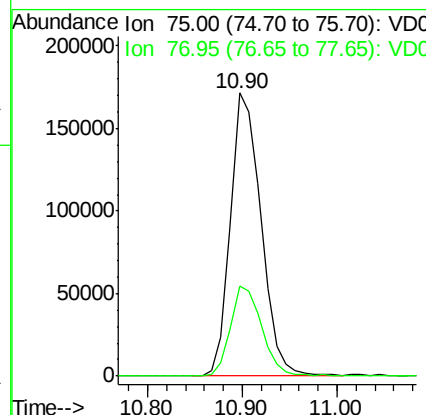
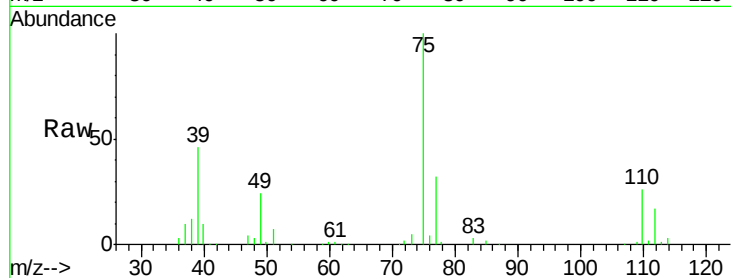
VSTDCCC050

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 45.117 ug/l

RT: 10.03 min Scan# 874

Delta R.T. -0.02 min

Lab File: VD061333.D

Acq: 26 Mar 2019 13:32

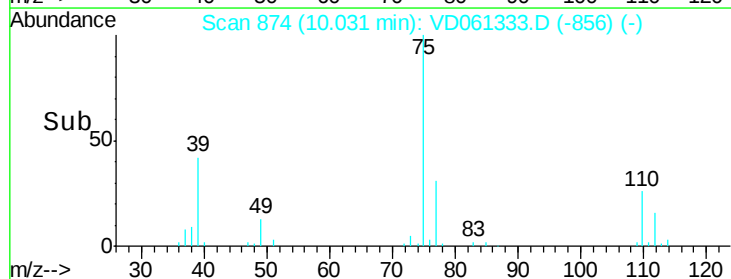
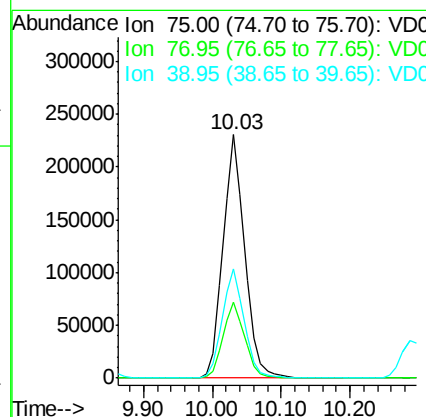
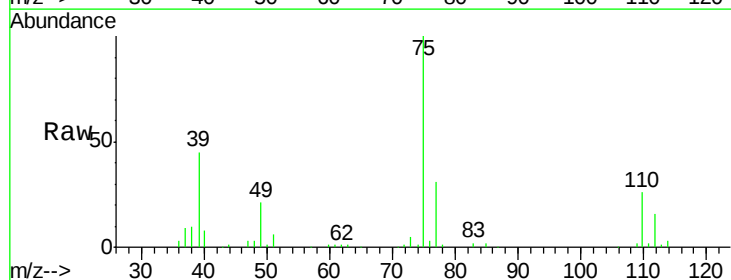
Tgt Ion: 75 Resp: 504426

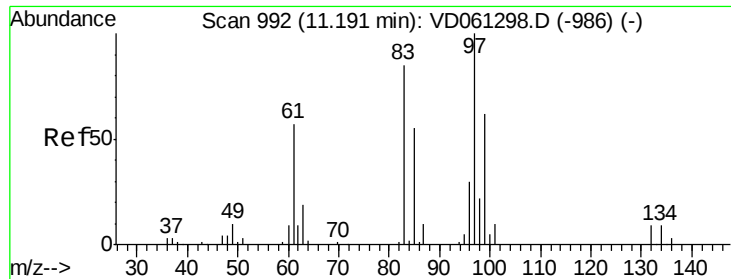
Ion Ratio Lower Upper

75 100

77 31.3 24.9 37.3

39 44.9 36.0 54.0





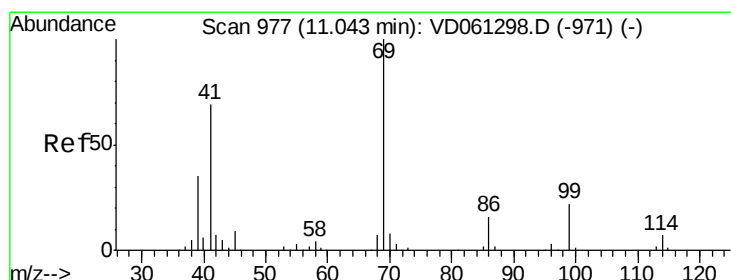
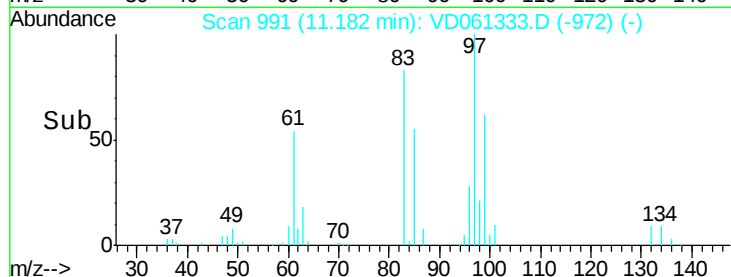
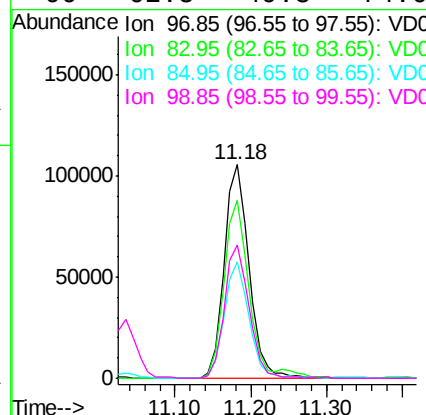
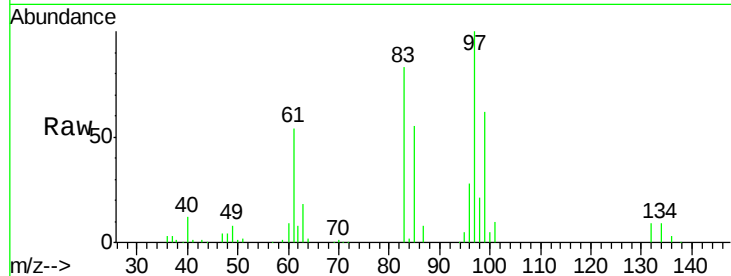
#55
1,1,2-Trichloroethane
Concen: 44.707 ug/l
RT: 11.18 min Scan# 991
Delta R.T. -0.01 min
Lab File: VD061333.D
Acq: 26 Mar 2019 13:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		241298		
83	83.1	67.7	101.5		
85	54.8	43.8	65.8		
99	62.5	49.8	74.6		

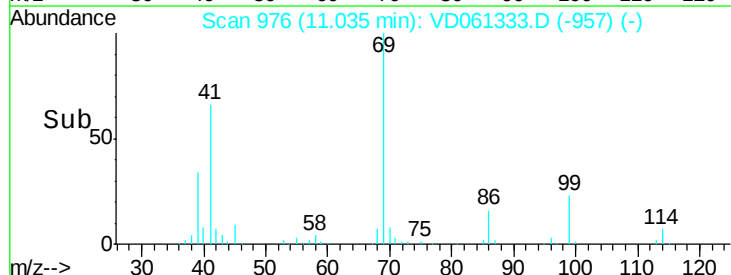
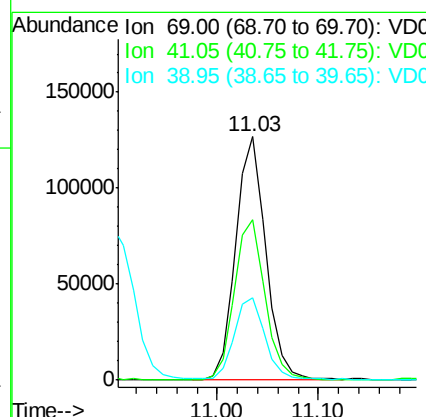
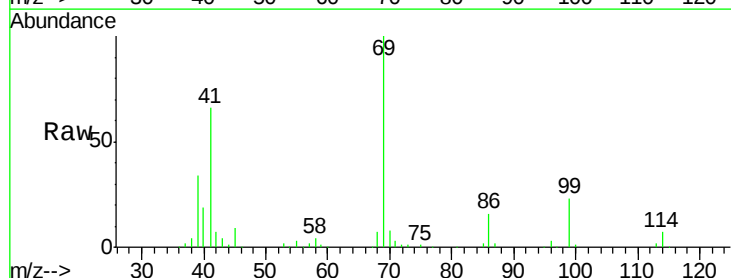
Manual Integrations
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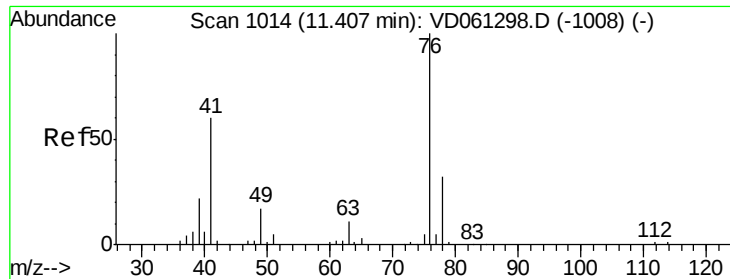
MMDadoda
3/27/2019 12:02:23 PM



#56
Ethyl methacrylate
Concen: 45.734 ug/l
RT: 11.03 min Scan# 976
Delta R.T. -0.01 min
Lab File: VD061333.D
Acq: 26 Mar 2019 13:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		263401		
41	66.1	54.9	82.3		
39	33.9	28.5	42.7		





#57

1,3-Dichloropropane

Concen: 46.084 ug/l

RT: 11.40 min Scan# 1013

Delta R.T. -0.01 min

Lab File: VD061333.D

Acq: 26 Mar 2019 13:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 375647

Ion Ratio Lower Upper

76 100

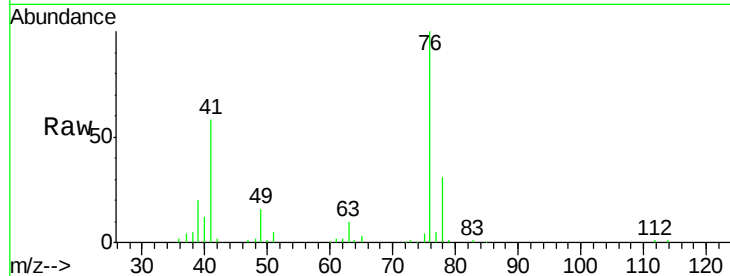
78 30.6 25.7 38.5

Manual Integrations

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Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.40

200000

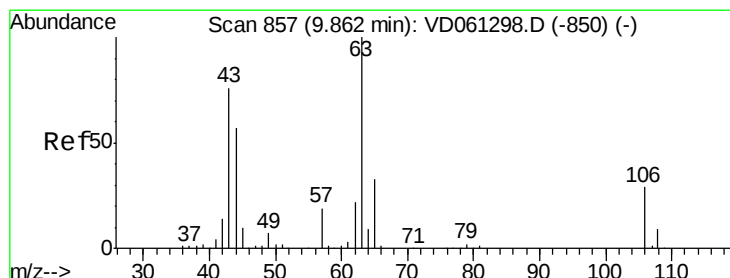
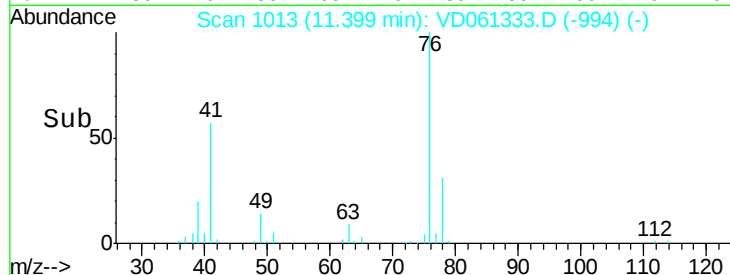
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 240.843 ug/l

RT: 9.85 min Scan# 856

Delta R.T. -0.01 min

Lab File: VD061333.D

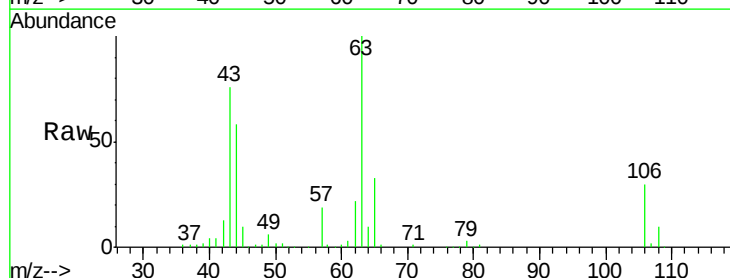
Acq: 26 Mar 2019 13:32

Tgt Ion: 63 Resp: 721628

Ion Ratio Lower Upper

63 100

106 30.4 23.4 35.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

9.85

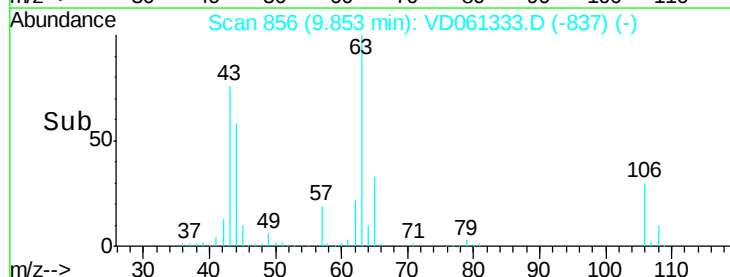
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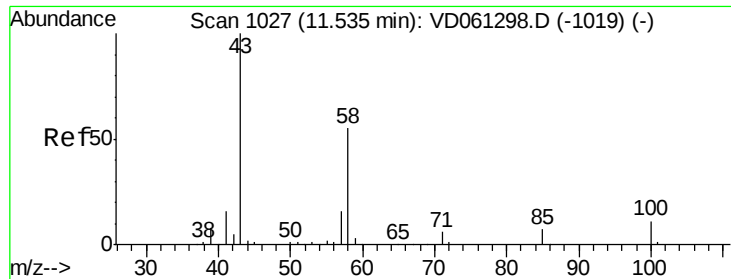
200000

100000

0

Time-->





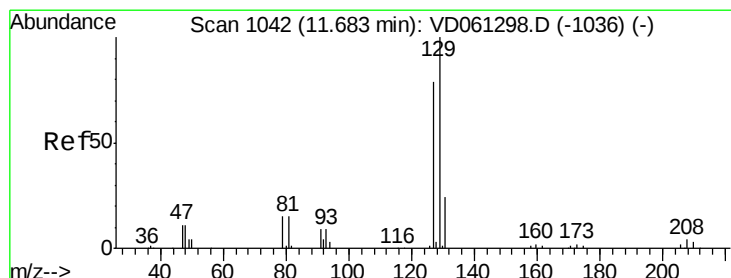
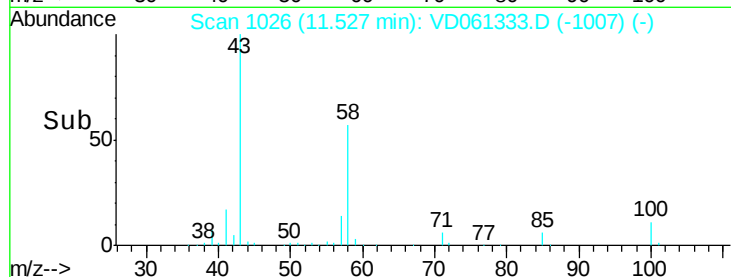
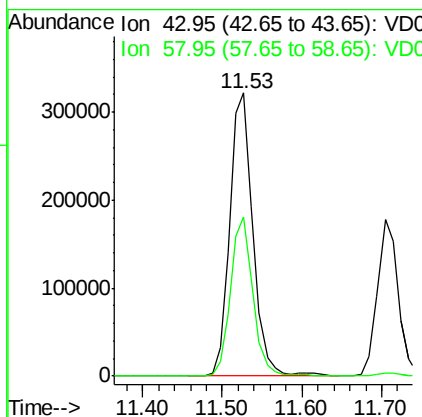
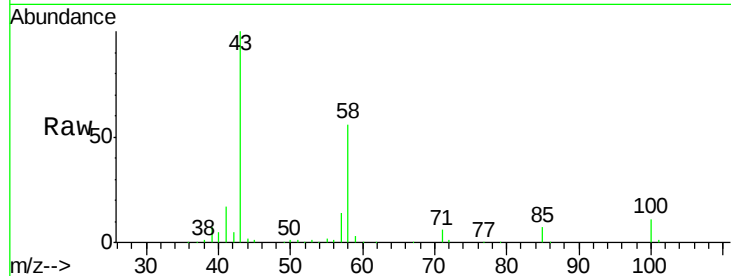
#59
2-Hexanone
Concen: 235.960 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. -0.01 min
Lab File: VD061333.D
Acq: 26 Mar 2019 13:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 657296
Ion Ratio Lower Upper
43 100
58 56.5 27.4 82.0

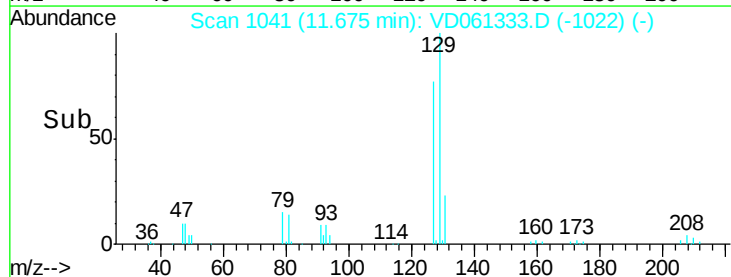
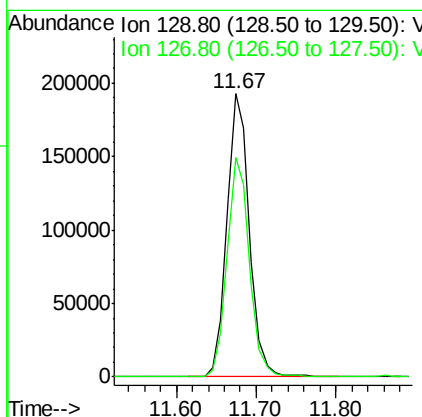
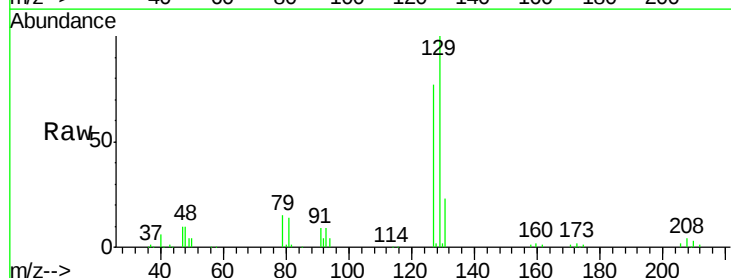
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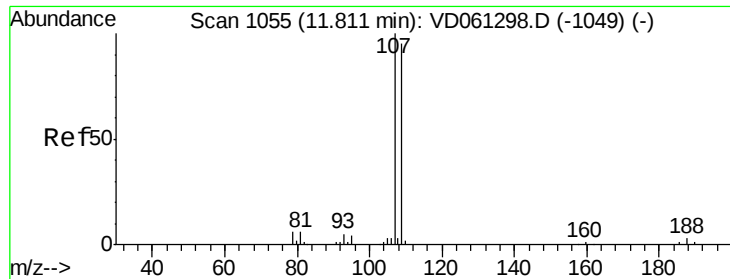
MMDadoda
3/27/2019 12:02:23 PM



#60
Dibromochloromethane
Concen: 45.352 ug/l
RT: 11.67 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VD061333.D
Acq: 26 Mar 2019 13:32

Tgt Ion: 129 Resp: 383386
Ion Ratio Lower Upper
129 100
127 77.5 39.6 119.0





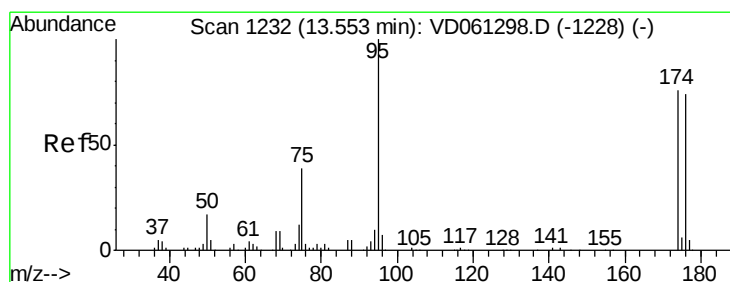
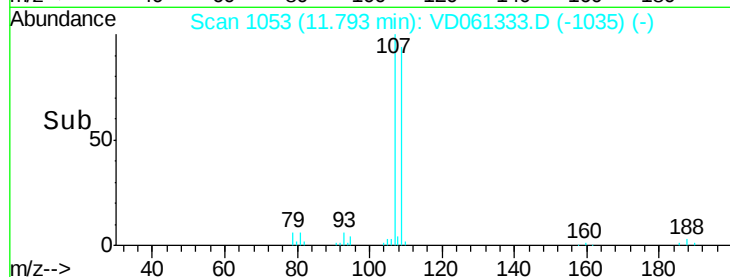
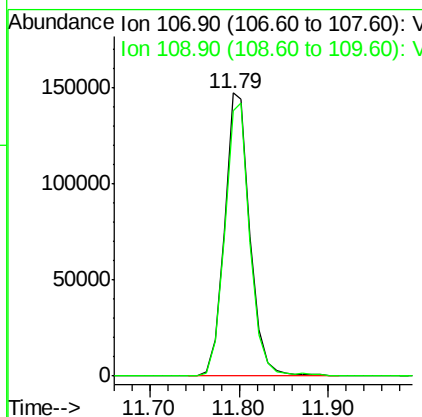
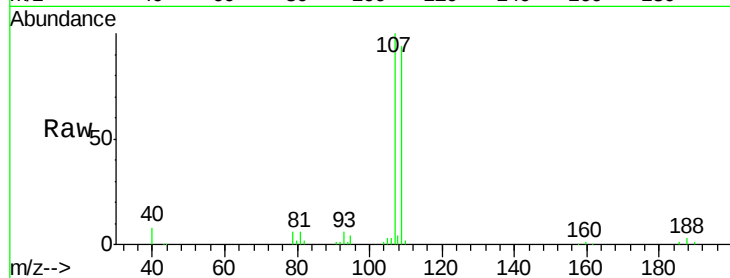
#61
 1,2-Dibromoethane
 Concen: 46.726 ug/l
 RT: 11.79 min Scan# 1053
 Delta R.T. -0.02 min
 Lab File: VD061333.D
 Acq: 26 Mar 2019 13:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 107 Resp: 294668
 Ion Ratio Lower Upper
 107 100
 109 94.0 76.1 114.1

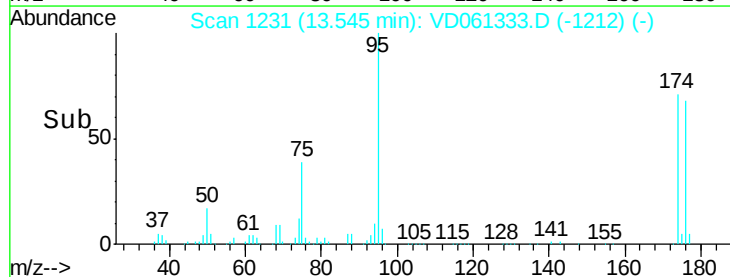
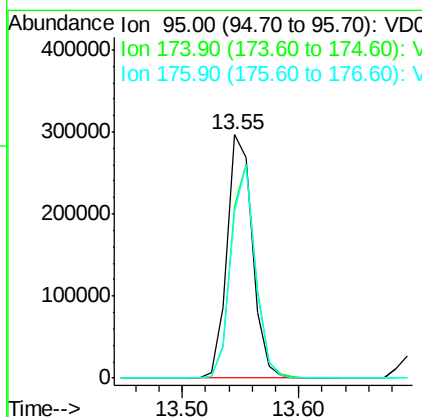
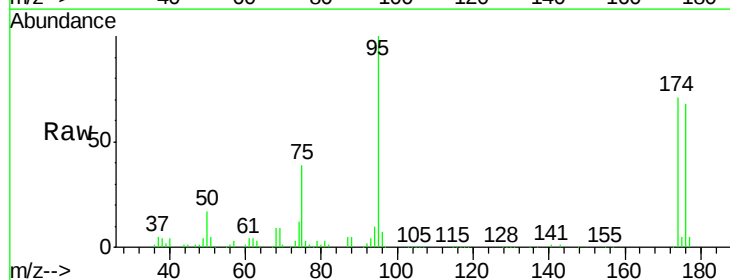
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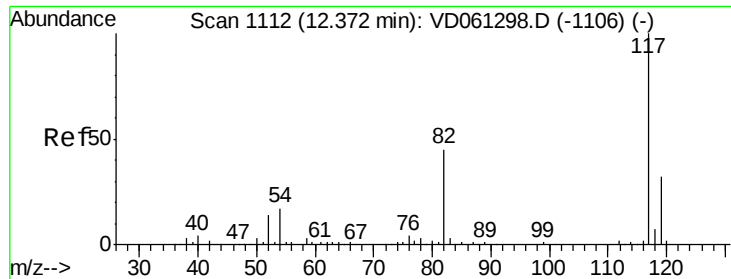
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 46.726 ug/l
 RT: 13.55 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: VD061333.D
 Acq: 26 Mar 2019 13:32

Tgt Ion: 95 Resp: 447623
 Ion Ratio Lower Upper
 95 100
 174 70.5 0.0 151.8
 176 68.4 0.0 148.0





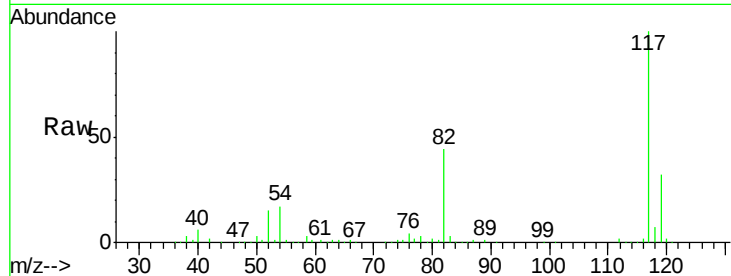
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD061333.D
Acq: 26 Mar 2019 13:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

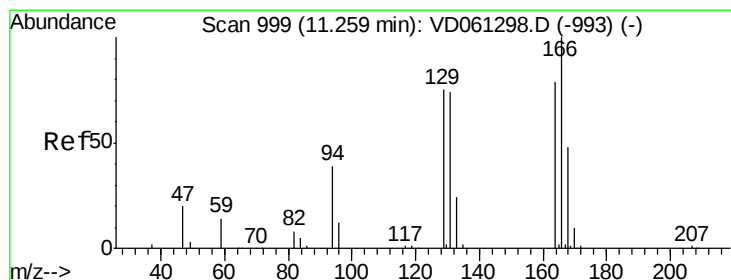
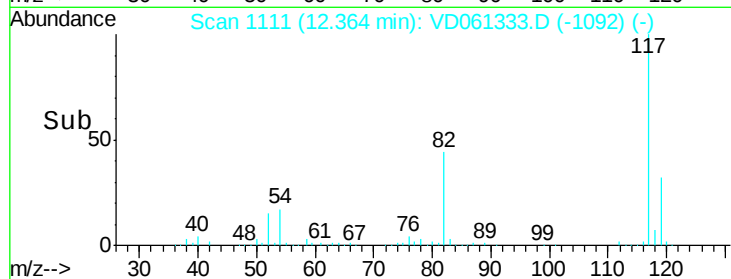
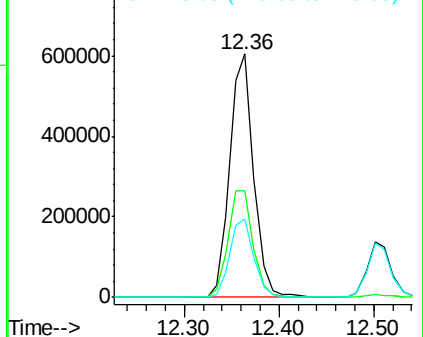
Tot Ion:117 Resp: 1054563
Ion Ratio Lower Upper
117 100
82 43.9 35.7 53.5
119 32.3 25.9 38.9

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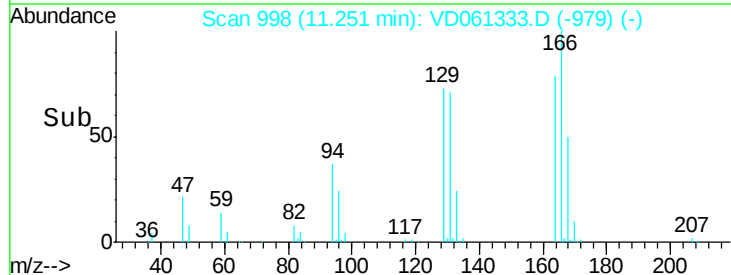
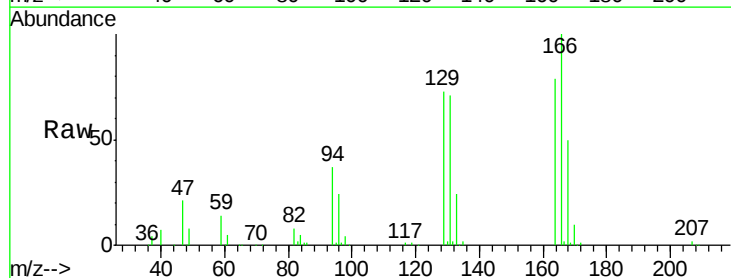
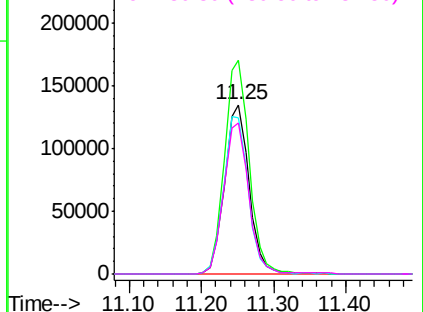
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

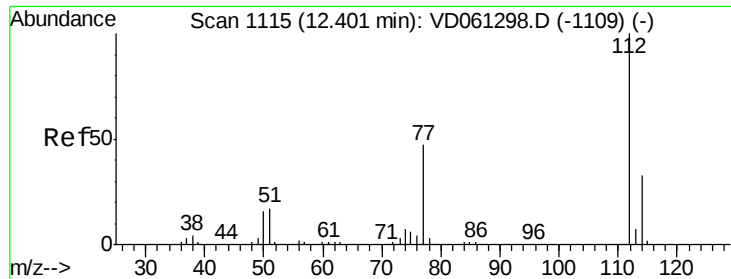


#64
Tetrachloroethene
Concen: 43.647 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.01 min
Lab File: VD061333.D
Acq: 26 Mar 2019 13:32

Tgt Ion:164 Resp: 317078
Ion Ratio Lower Upper
164 100
166 126.1 101.6 152.4
129 92.0 75.9 113.9
131 89.0 75.3 112.9

Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





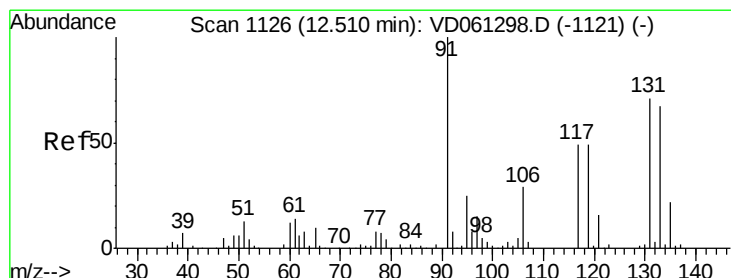
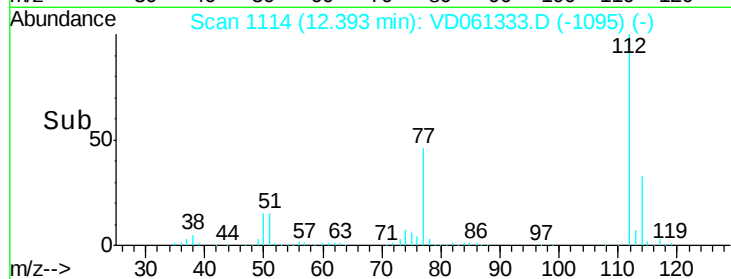
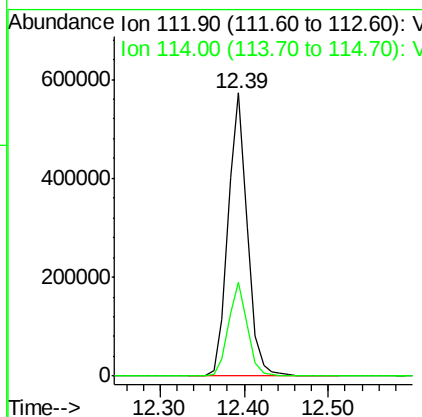
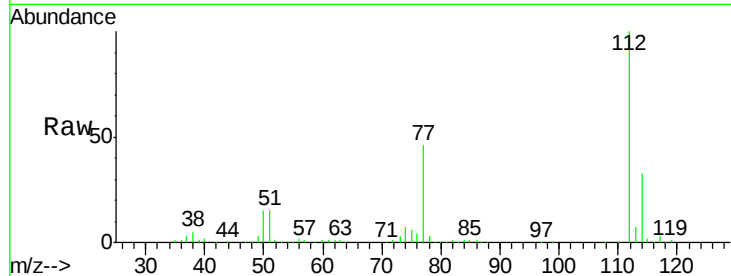
#65
Chlorobenzene
Concen: 46.444 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.01 min
Lab File: VD061333.D
Acq: 26 Mar 2019 13:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.0	26.5	39.7

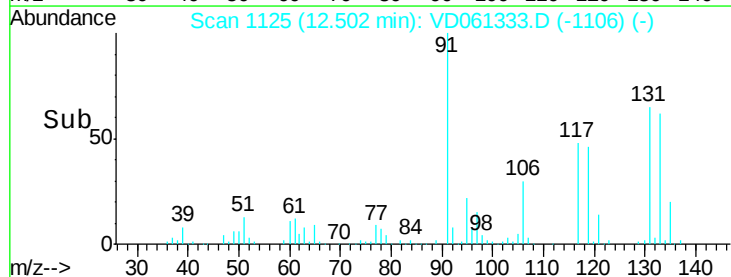
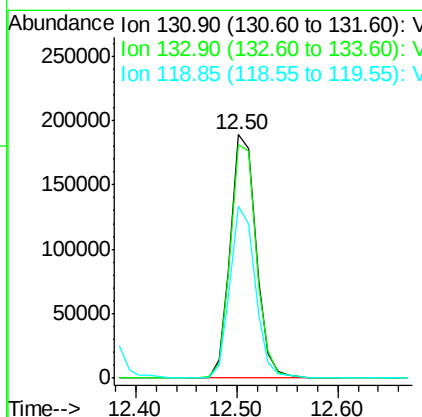
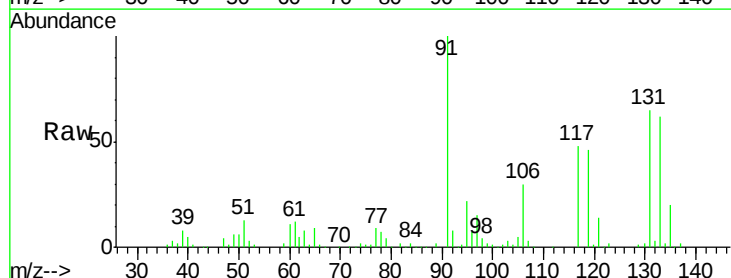
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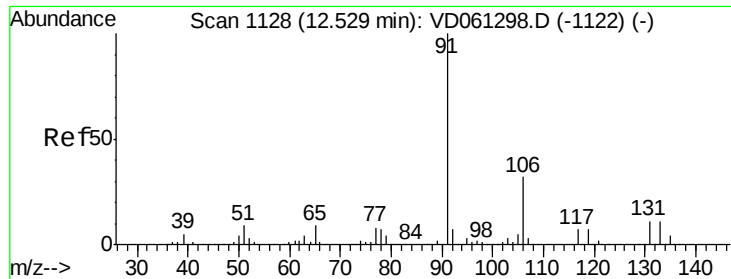
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#66
1,1,1,2-Tetrachloroethane
Concen: 44.496 ug/l
RT: 12.50 min Scan# 1125
Delta R.T. -0.01 min
Lab File: VD061333.D
Acq: 26 Mar 2019 13:32

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.8	47.0	141.2
119	70.4	34.8	104.5





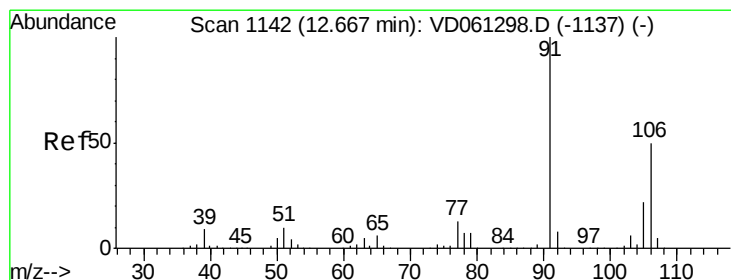
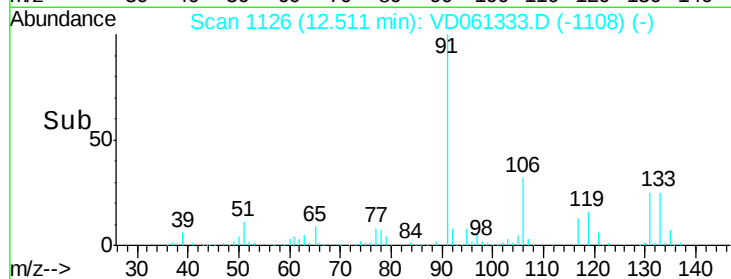
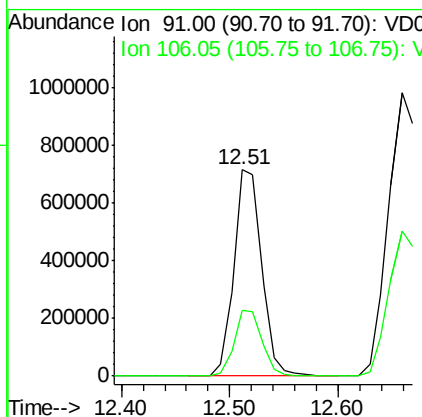
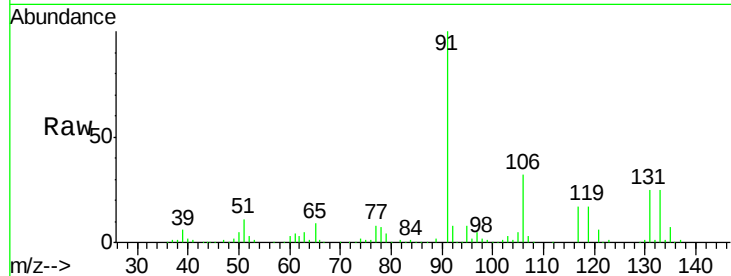
#67
Ethyl Benzene
Concen: 42.888 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.02 min
Lab File: VD061333.D
Acq: 26 Mar 2019 13:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1274919
Ion Ratio Lower Upper
91 100
106 31.8 25.8 38.8

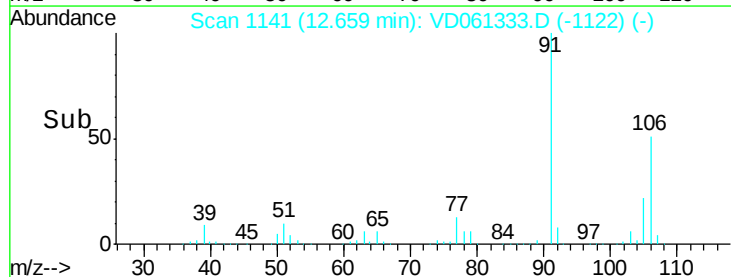
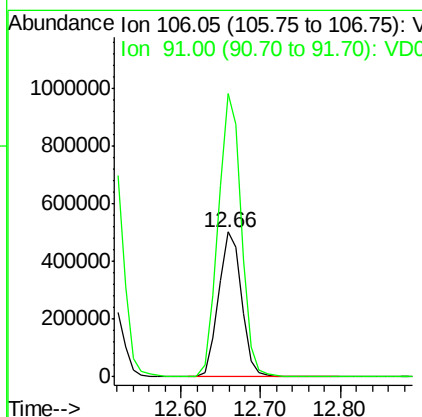
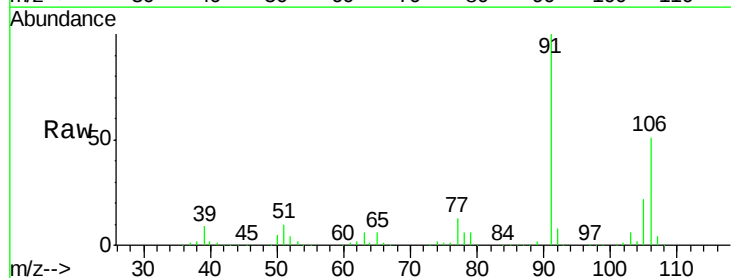
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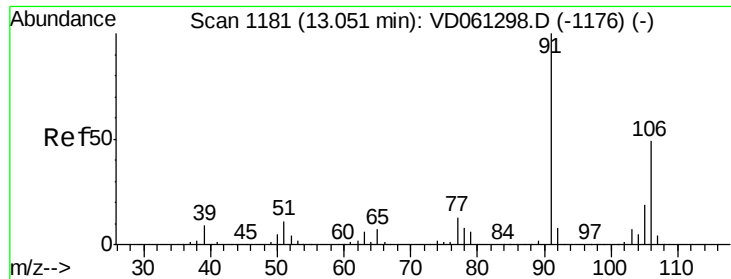
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#68
m/p-Xylenes
Concen: 88.571 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VD061333.D
Acq: 26 Mar 2019 13:32

Tgt Ion: 106 Resp: 1027765
Ion Ratio Lower Upper
106 100
91 195.3 159.2 238.8





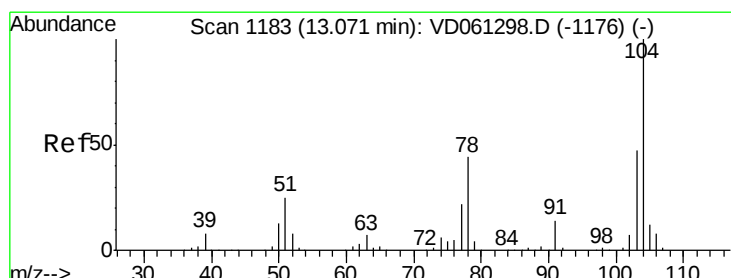
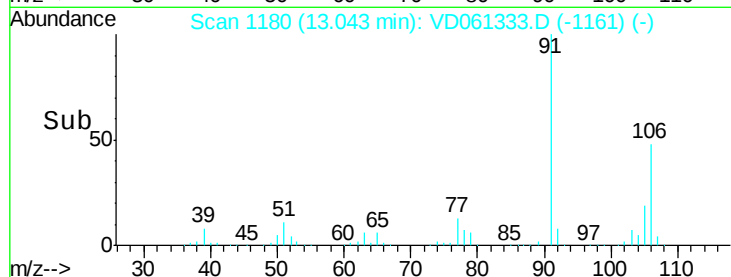
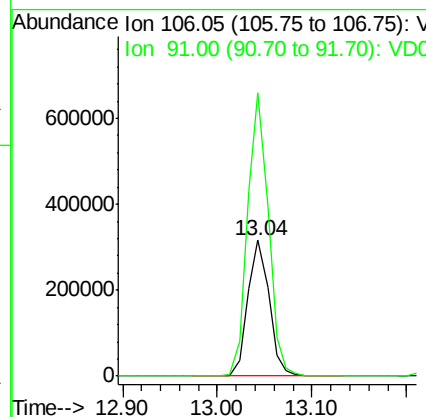
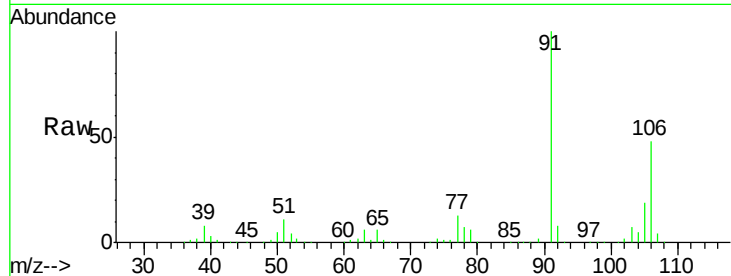
#69
o-Xylene
Concen: 45.851 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD061333.D
Acq: 26 Mar 2019 13:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 493449
Ion Ratio Lower Upper
106 100
91 208.2 102.5 307.5

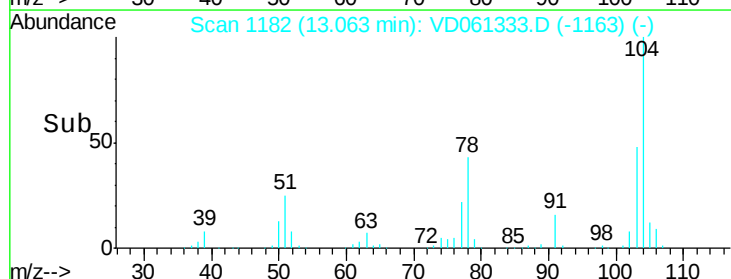
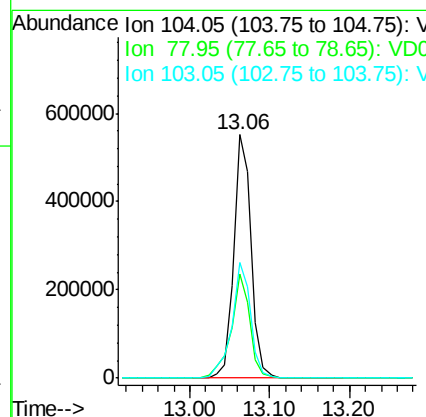
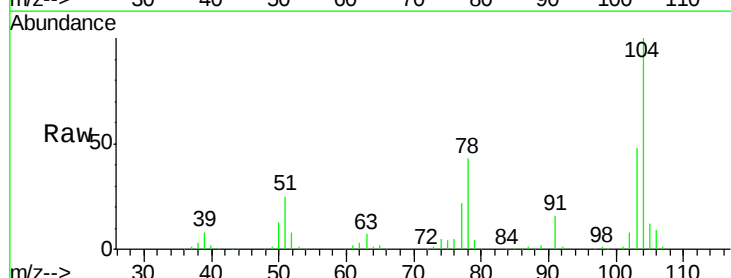
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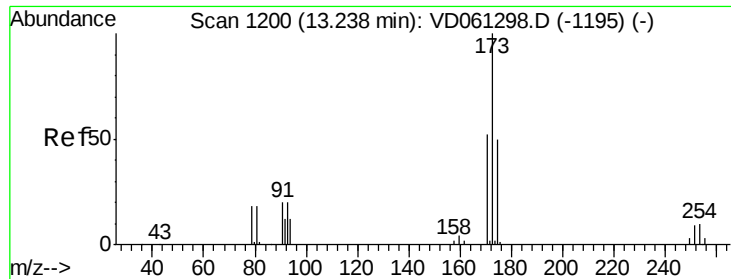
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#70
Styrene
Concen: 46.488 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VD061333.D
Acq: 26 Mar 2019 13:32

Tgt Ion:104 Resp: 849094
Ion Ratio Lower Upper
104 100
78 43.0 35.1 52.7
103 47.6 37.5 56.3





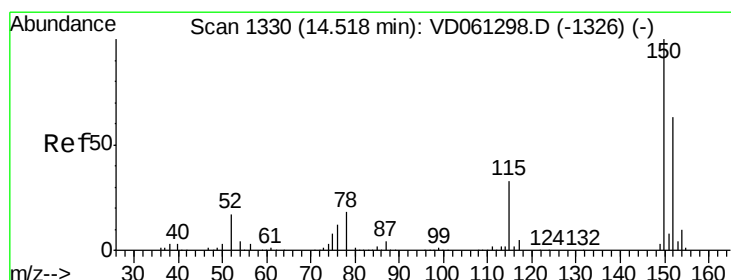
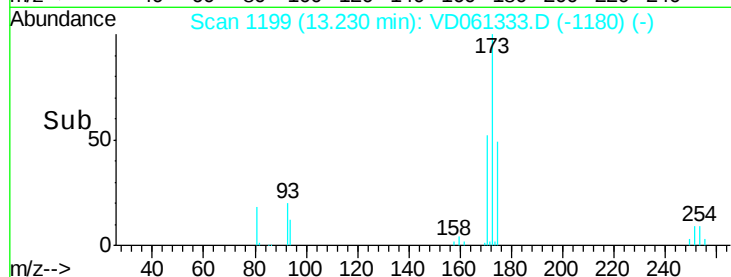
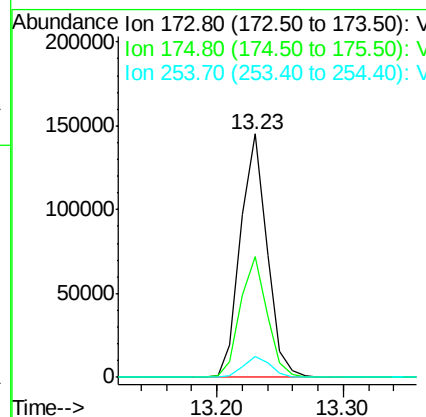
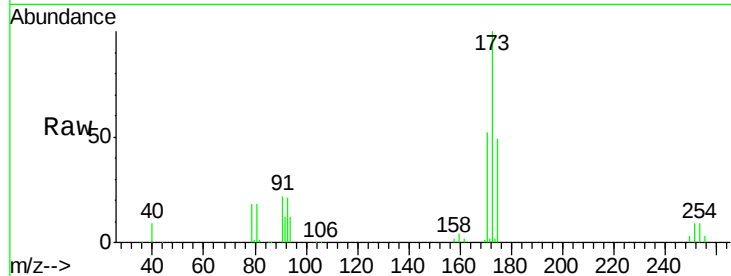
#71
Bromoform
Concen: 45.753 ug/l
RT: 13.23 min Scan# 1199
Delta R.T. -0.01 min
Lab File: VD061333.D
Acq: 26 Mar 2019 13:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.9	74.7
254	8.8	7.8	11.6

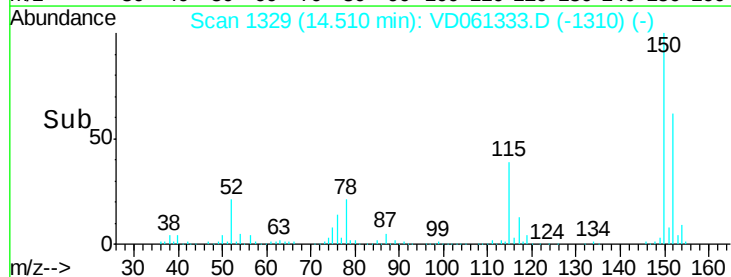
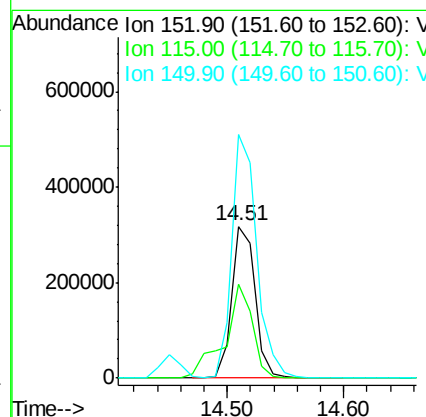
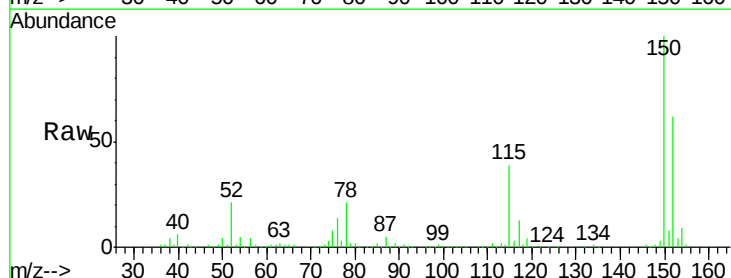
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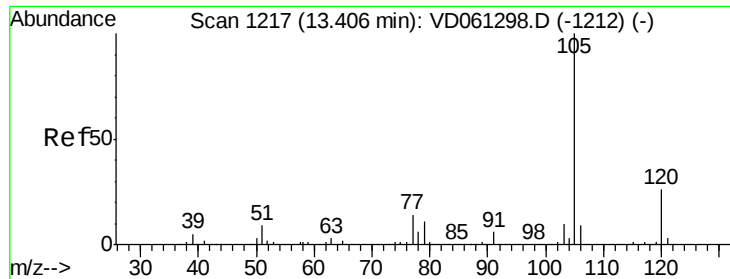
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD061333.D
Acq: 26 Mar 2019 13:32

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.2	29.2	87.6
150	160.3	0.0	319.6





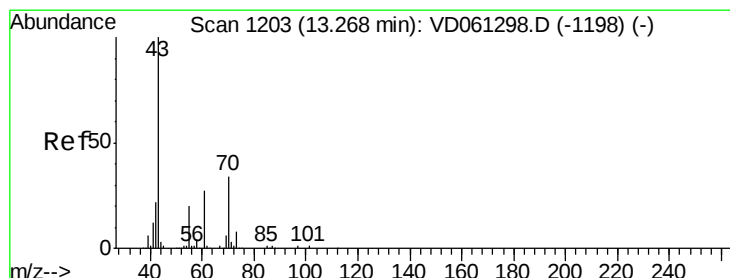
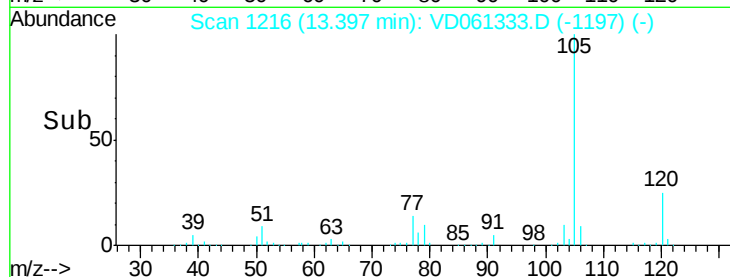
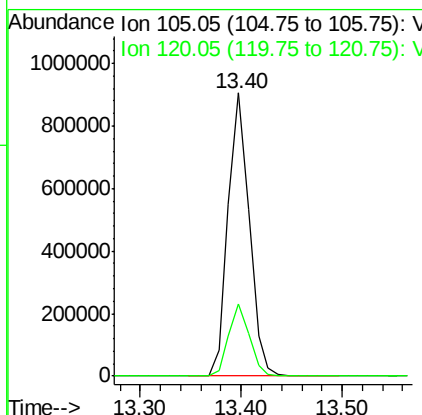
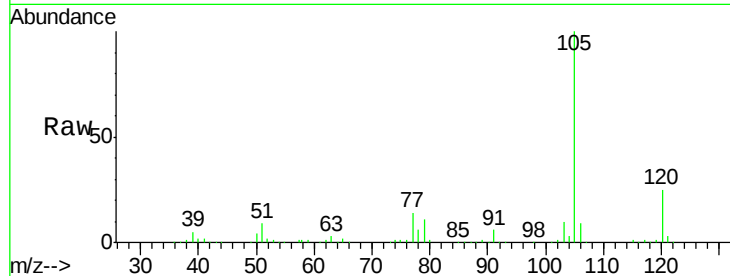
#73
Isopropylbenzene
Concen: 45.991 ug/l
RT: 13.40 min Scan# 1216
Delta R.T. -0.01 min
Lab File: VD061333.D
Acq: 26 Mar 2019 13:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:105 Resp: 1320989
Ion Ratio Lower Upper
105 100
120 25.5 13.1 39.1

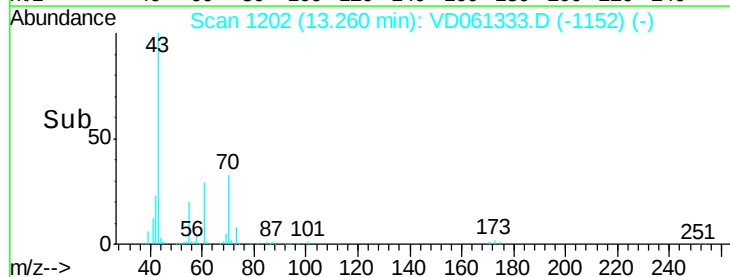
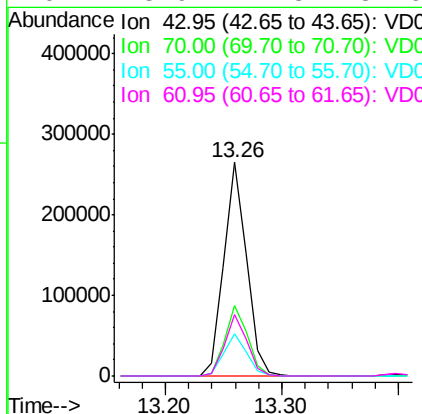
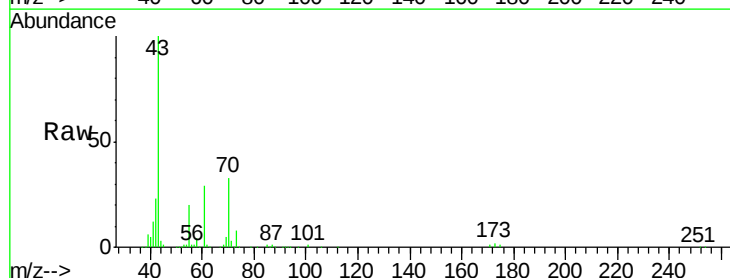
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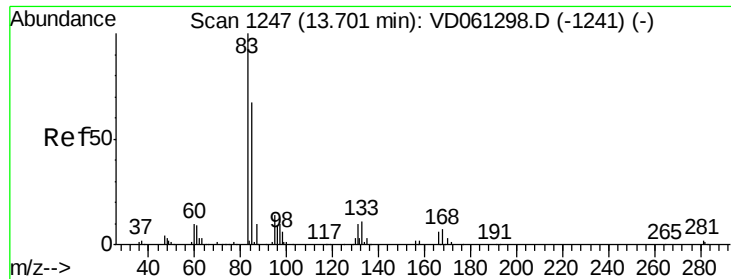
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#74
N-ethyl acetate
Concen: 47.825 ug/l
RT: 13.26 min Scan# 1202
Delta R.T. -0.01 min
Lab File: VD061333.D
Acq: 26 Mar 2019 13:32

Tgt Ion: 43 Resp: 359389
Ion Ratio Lower Upper
43 100
70 33.1 27.5 41.3
55 19.6 15.7 23.5
61 28.9 21.8 32.6





#75

1,1,2,2-Tetrachloroethane

Concen: 46.664 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD061333.D

Acq: 26 Mar 2019 13:32

Instrument :

MSVOA_D

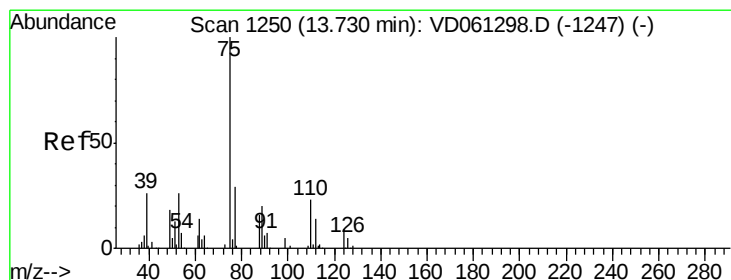
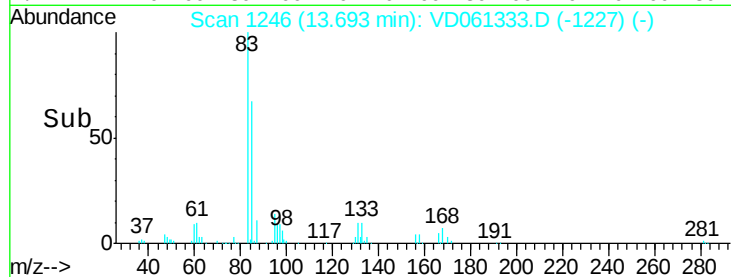
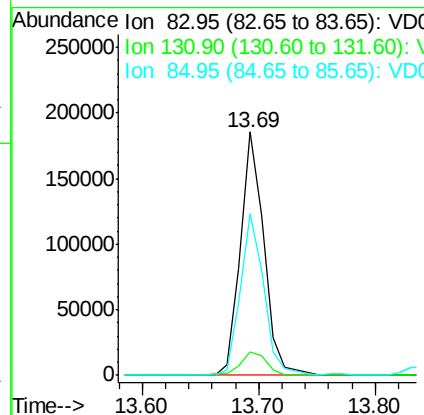
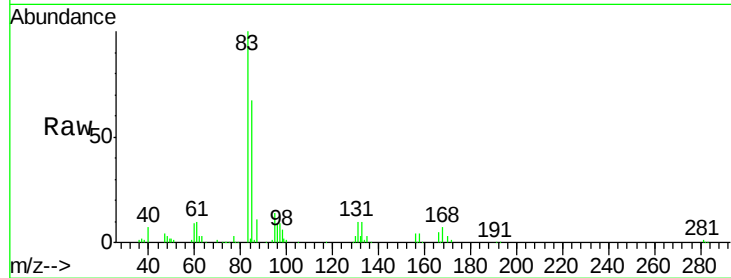
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	259915
Ion Ratio	Lower	Upper	
83	100		
131	9.6	5.0	15.0
85	66.5	33.4	100.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 50.018 ug/l

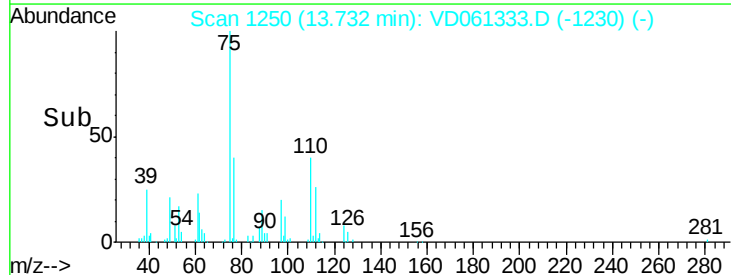
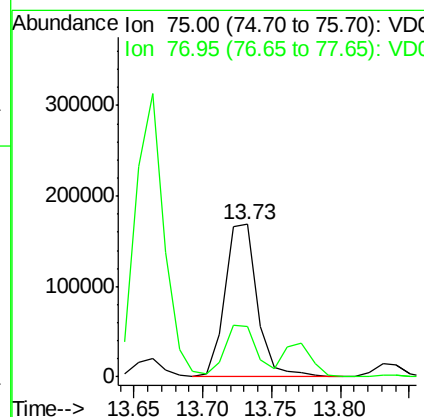
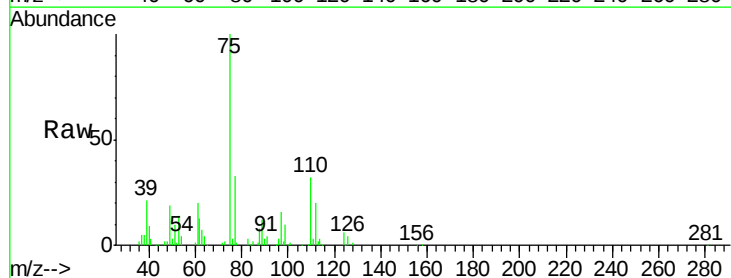
RT: 13.73 min Scan# 1250

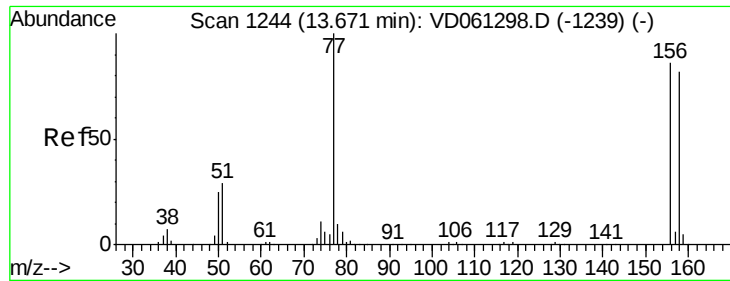
Delta R.T. 0.00 min

Lab File: VD061333.D

Acq: 26 Mar 2019 13:32

Tgt Ion:	75	Resp:	274689
Ion Ratio	Lower	Upper	
75	100		
77	32.8	15.8	47.4





#77

Bromobenzene

Concen: 45.733 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VD061333.D

Acq: 26 Mar 2019 13:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 366919

Ion Ratio Lower Upper

156 100

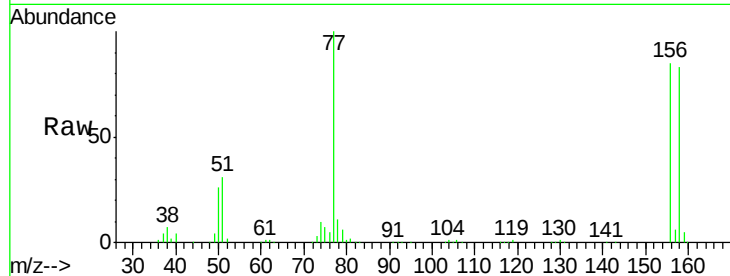
77 117.9 58.4 175.1

158 97.4 48.1 144.3

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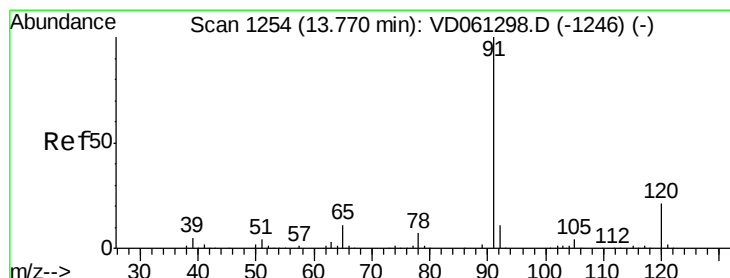
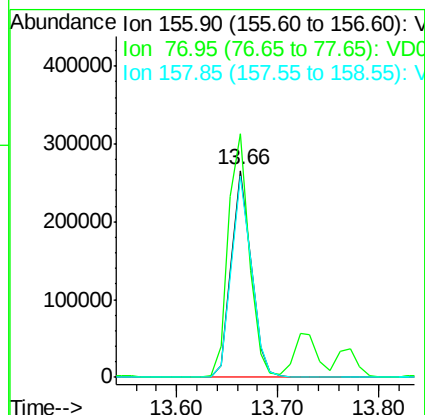
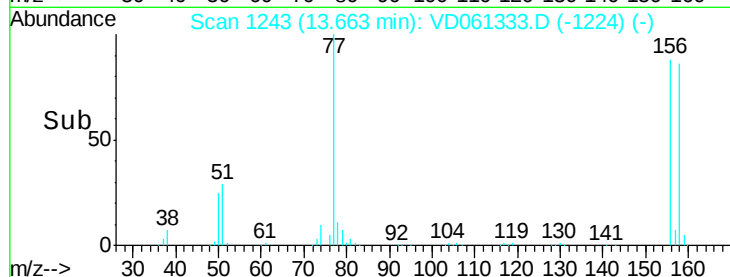
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Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 46.901 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD061333.D

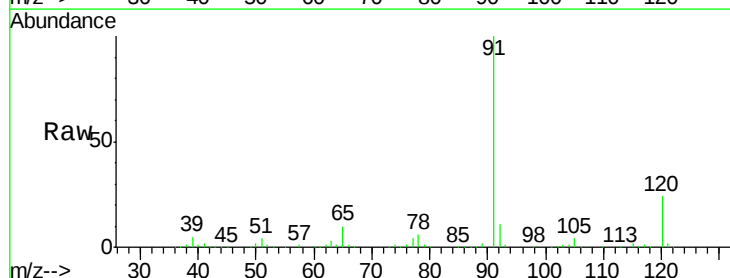
Acq: 26 Mar 2019 13:32

Tgt Ion: 91 Resp: 1519825

Ion Ratio Lower Upper

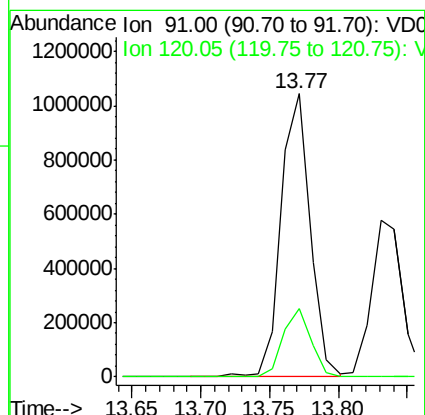
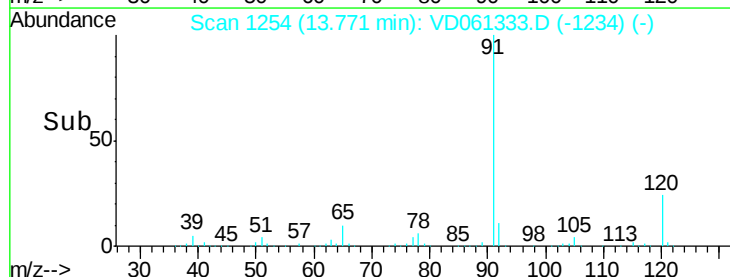
91 100

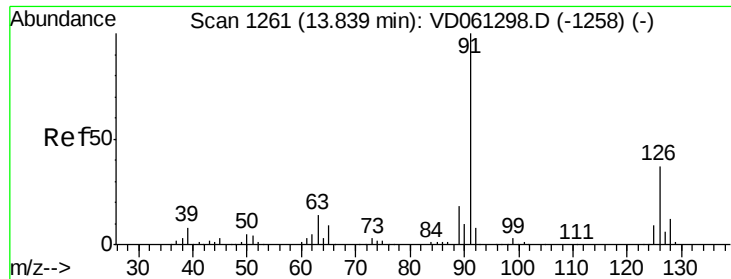
120 24.2 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 47.173 ug/l

RT: 13.83 min Scan# 1260

Delta R.T. -0.01 min

Lab File: VD061333.D

Acq: 26 Mar 2019 13:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 890039

Ion Ratio Lower Upper

91 100

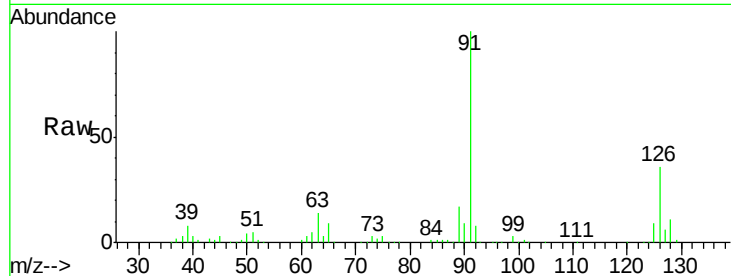
126 36.3 18.4 55.4

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VD061298.D (-1258) (-)

Ion 125.95 (125.65 to 126.65): VD061298.D (-1258) (-)

1200000

800000

600000

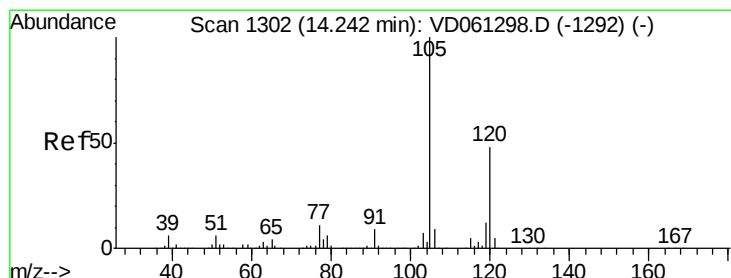
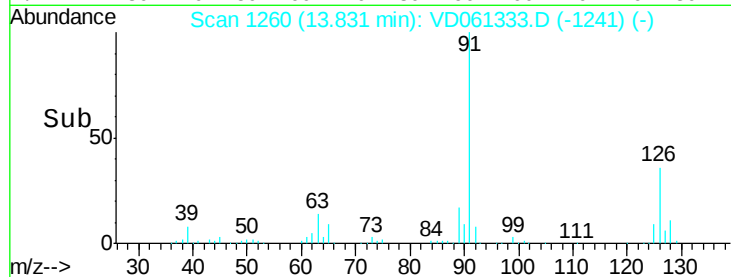
400000

200000

0

13.80 13.83 13.85 13.90

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 46.776 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. -0.01 min

Lab File: VD061333.D

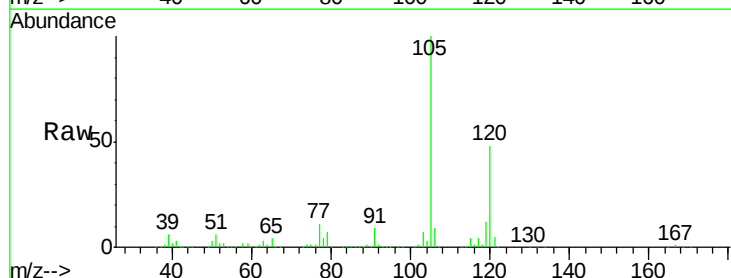
Acq: 26 Mar 2019 13:32

Tgt Ion: 105 Resp: 1059881

Ion Ratio Lower Upper

105 100

120 48.4 23.8 71.4



Abundance Ion 105.05 (104.75 to 105.75): VD061298.D (-1292) (-)

Ion 120.05 (119.75 to 120.75): VD061298.D (-1292) (-)

1200000

800000

600000

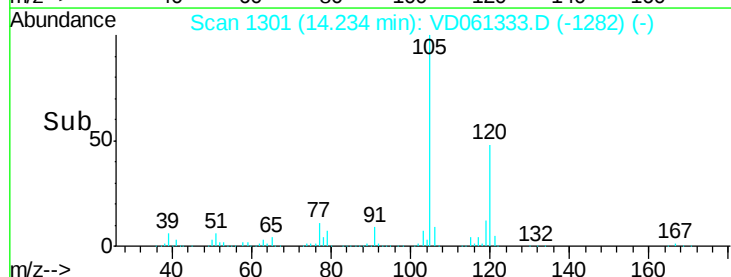
400000

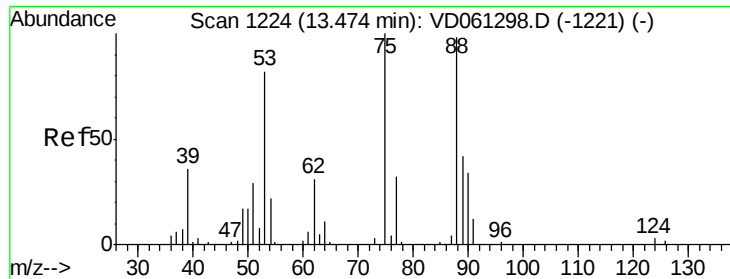
200000

0

14.10 14.20 14.23 14.30

Time-->





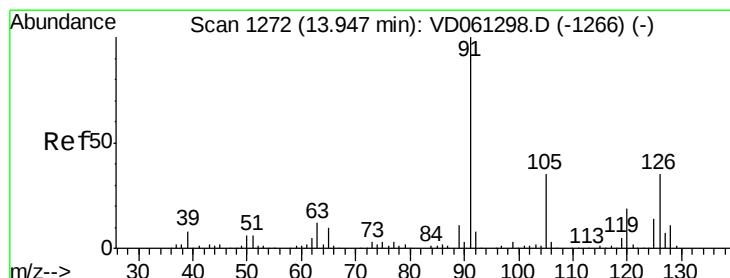
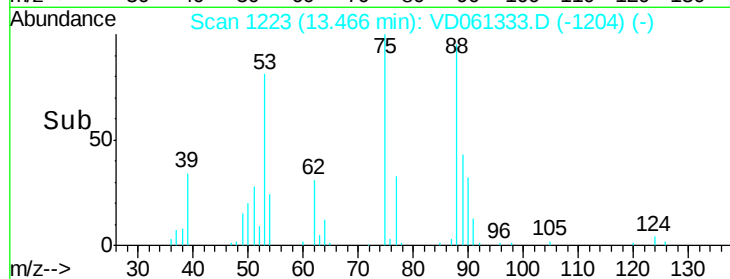
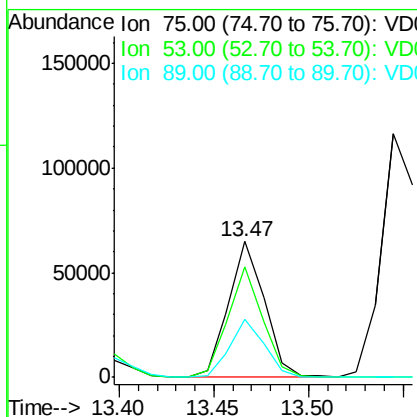
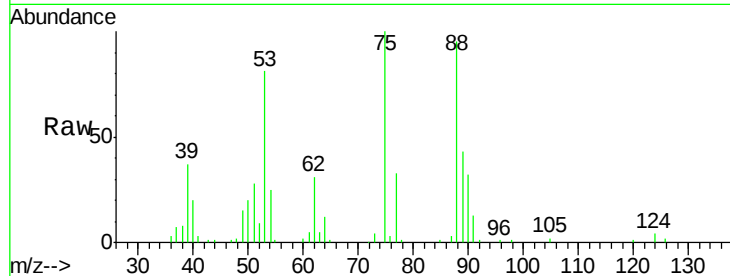
#81
trans-1,4-Dichloro-2-butene
Concen: 49.316 ug/l
RT: 13.47 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VD061333.D
Acq: 26 Mar 2019 13:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	81.3	65.3	97.9
89	42.8	33.8	50.6

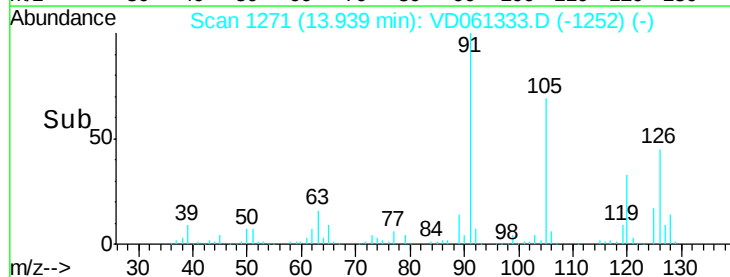
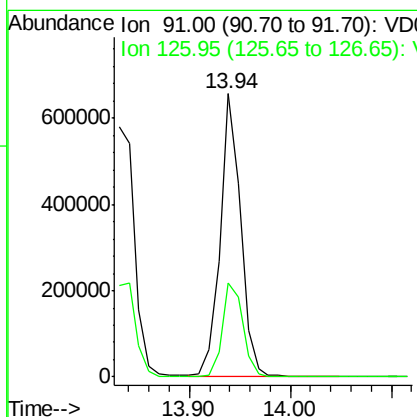
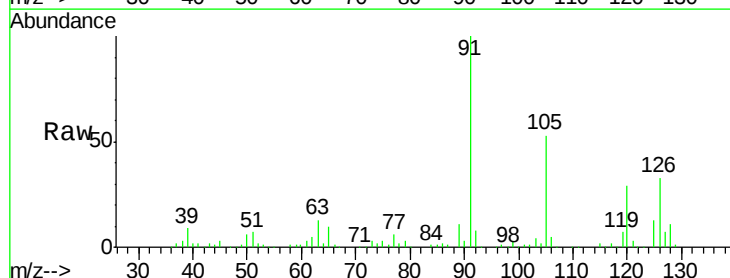
Manual Integrations
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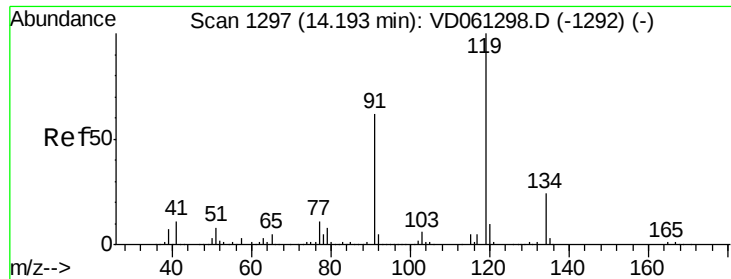
MMDadoda
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#82
4-Chlorotoluene
Concen: 44.942 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VD061333.D
Acq: 26 Mar 2019 13:32

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.4	17.7	53.1





#83

tert-Butylbenzene

Concen: 49.304 ug/l

RT: 14.18 min Scan# 1296

Delta R.T. -0.01 min

Lab File: VD061333.D

Acq: 26 Mar 2019 13:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:119 Resp: 1275545

Ion Ratio Lower Upper

119 100

91 64.4 31.1 93.5

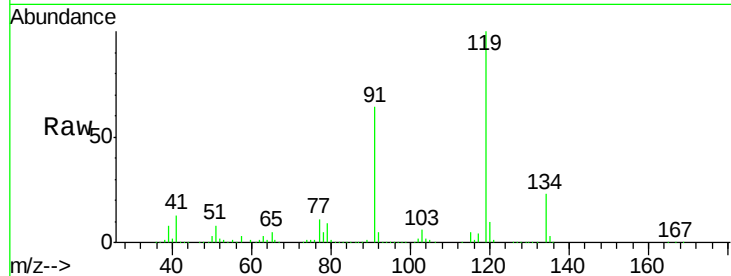
134 23.5 11.9 35.7

Manual Integrations

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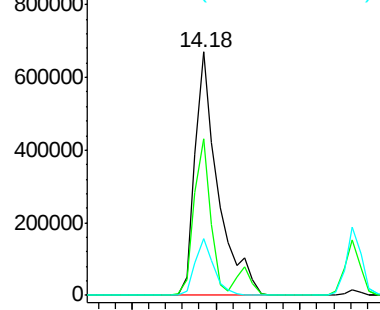
3/27/2019 12:02:23 PM



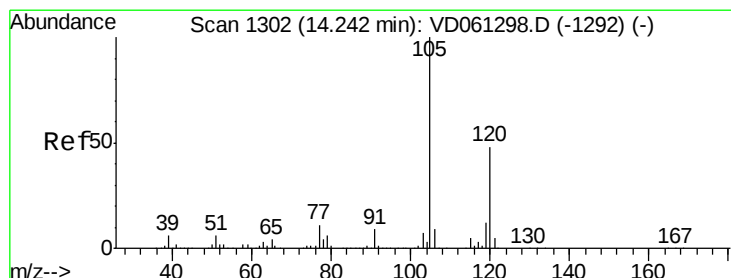
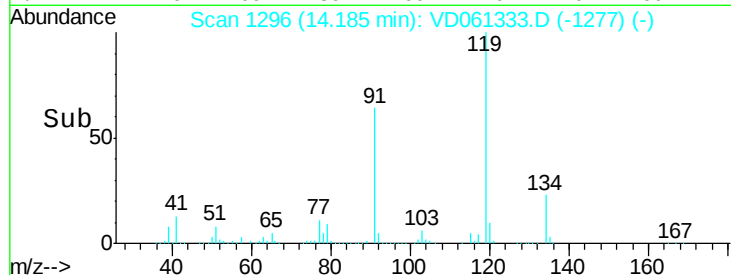
Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#84

1,2,4-Trimethylbenzene

Concen: 46.776 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. -0.01 min

Lab File: VD061333.D

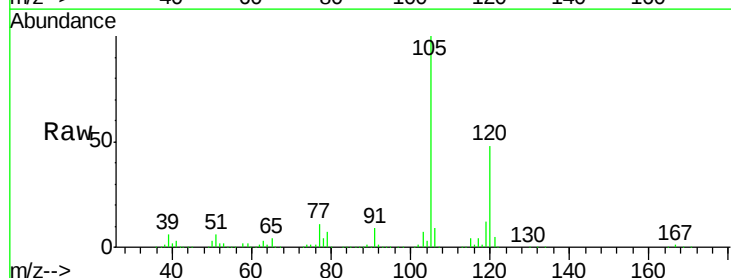
Acq: 26 Mar 2019 13:32

Tgt Ion:105 Resp: 1059881

Ion Ratio Lower Upper

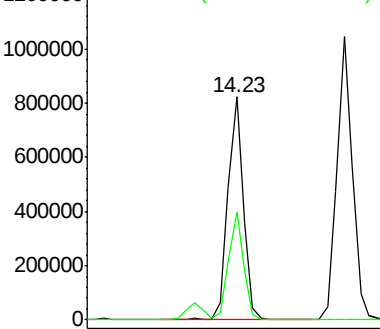
105 100

120 48.4 23.8 71.4

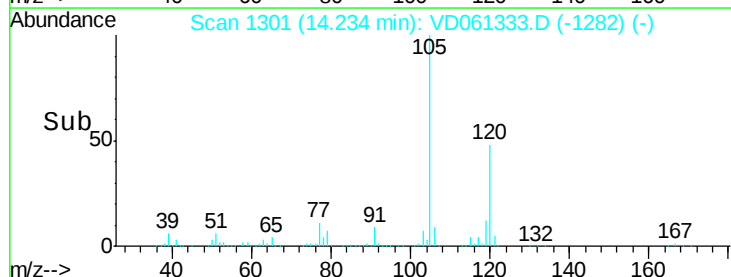


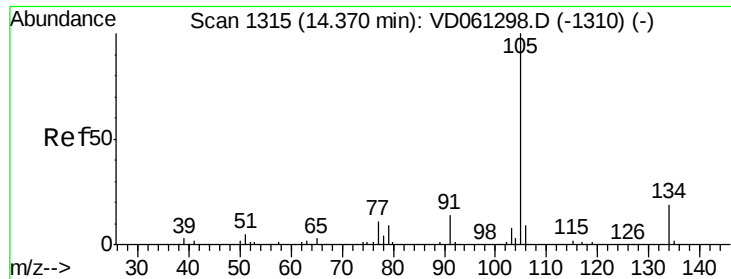
Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



Time-->





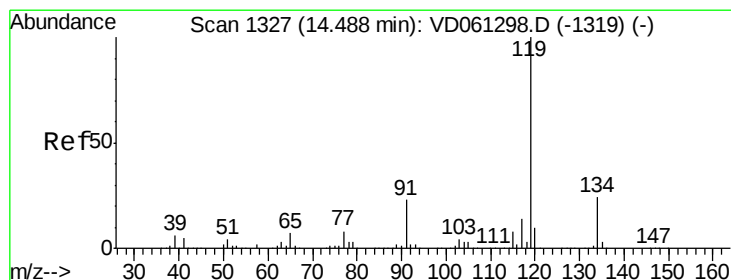
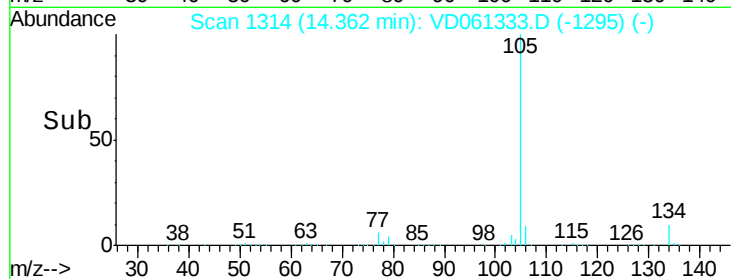
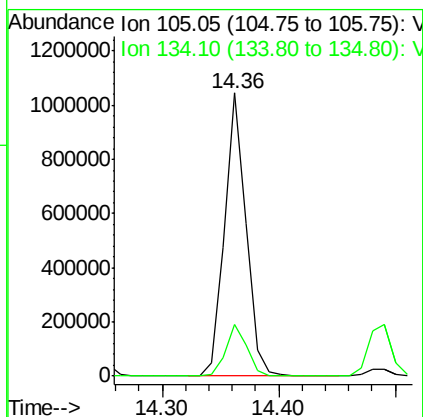
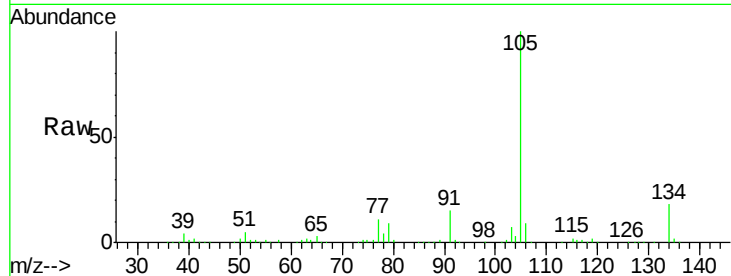
#85
 sec-Butylbenzene
 Concen: 46.041 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: VD061333.D
 Acq: 26 Mar 2019 13:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 1326533
 Ion Ratio Lower Upper
 105 100
 134 18.1 9.5 28.5

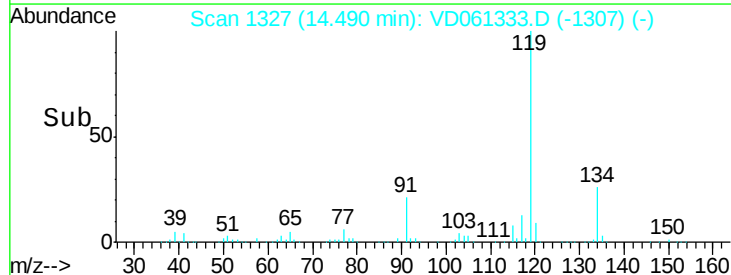
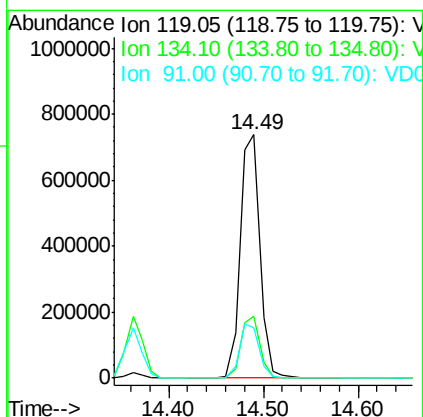
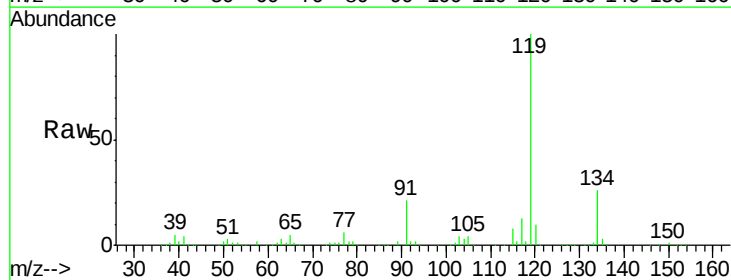
Manual Integrations
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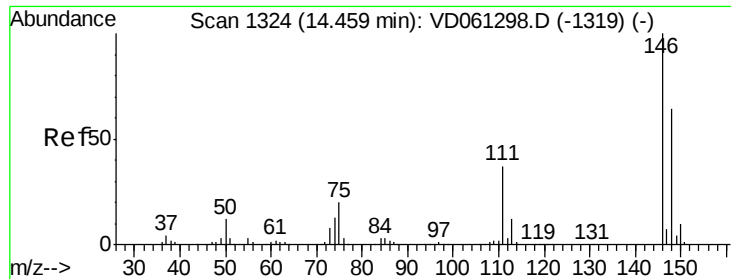
MMDadoda
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#86
 p-Isopropyltoluene
 Concen: 41.306 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. 0.00 min
 Lab File: VD061333.D
 Acq: 26 Mar 2019 13:32

Tgt Ion:119 Resp: 1061753
 Ion Ratio Lower Upper
 119 100
 134 25.7 12.1 36.3
 91 20.8 11.4 34.2





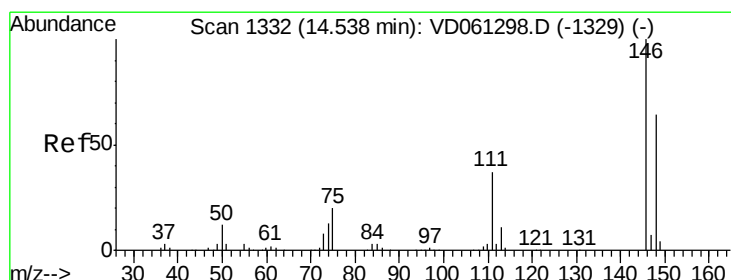
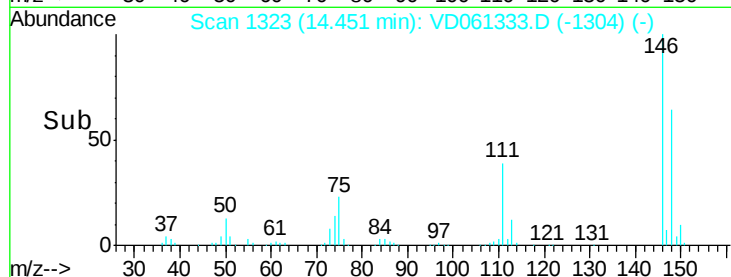
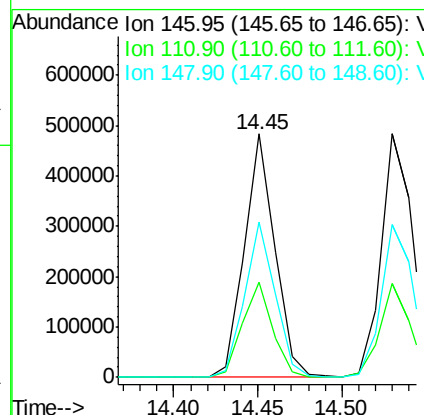
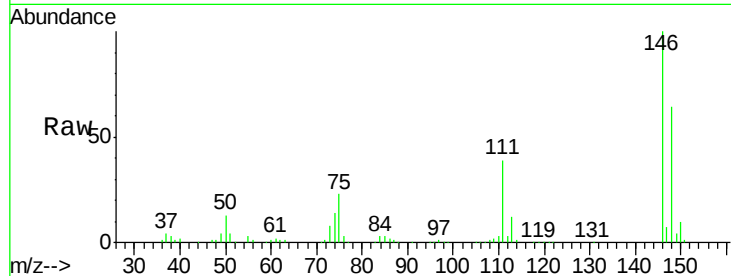
#87
 1,3-Dichlorobenzene
 Concen: 42.779 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD061333.D
 Acq: 26 Mar 2019 13:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	18.4	55.0
148	64.0	32.0	96.2

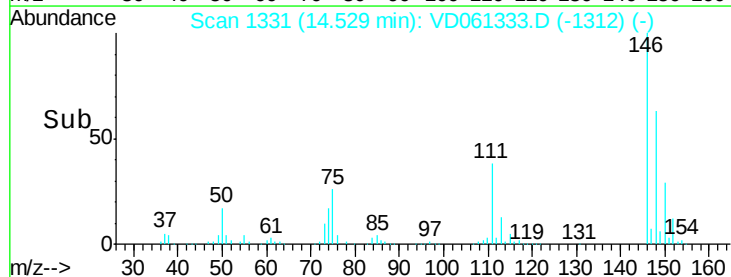
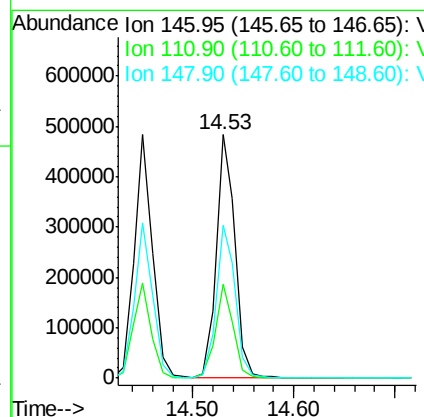
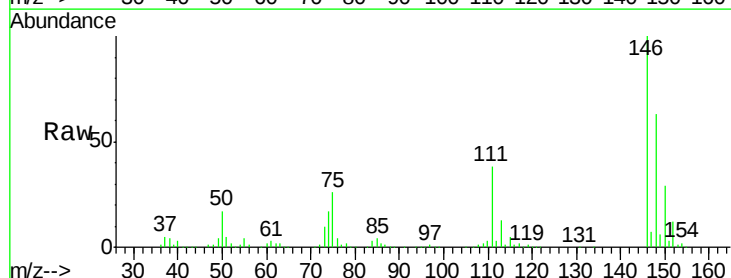
Manual Integrations
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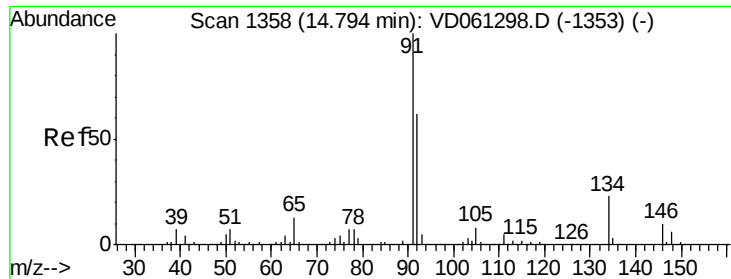
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 45.301 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD061333.D
 Acq: 26 Mar 2019 13:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.6	55.6
148	62.7	31.9	95.5





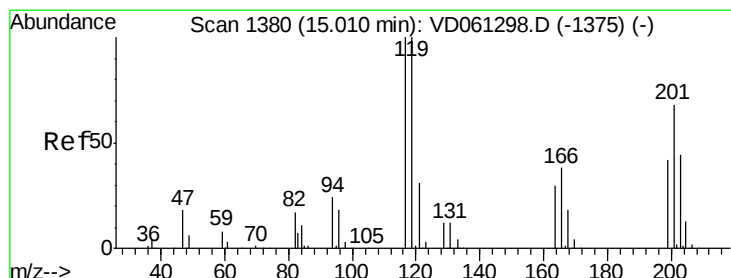
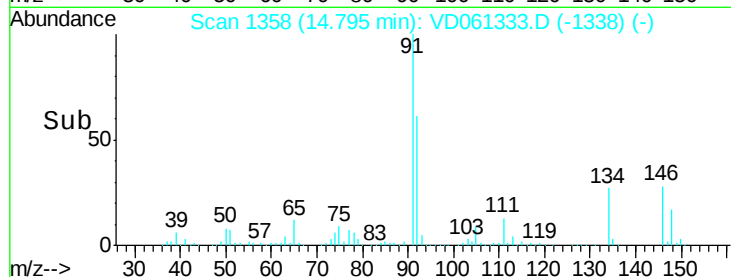
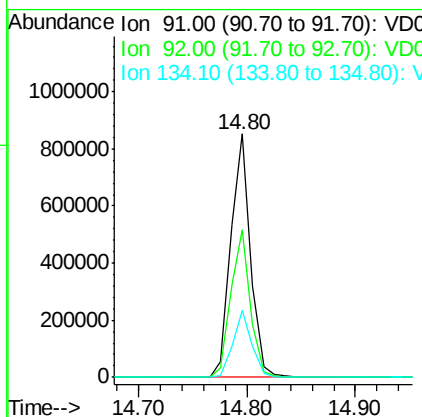
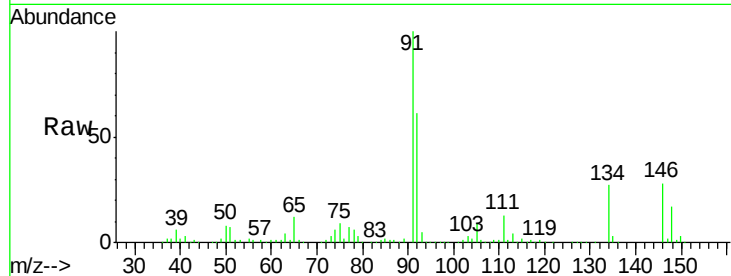
#89
n-Butylbenzene
Concen: 46.999 ug/l
RT: 14.80 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VD061333.D
Acq: 26 Mar 2019 13:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1072580
Ion Ratio Lower Upper
91 100
92 60.5 30.9 92.7
134 27.3 11.7 35.0

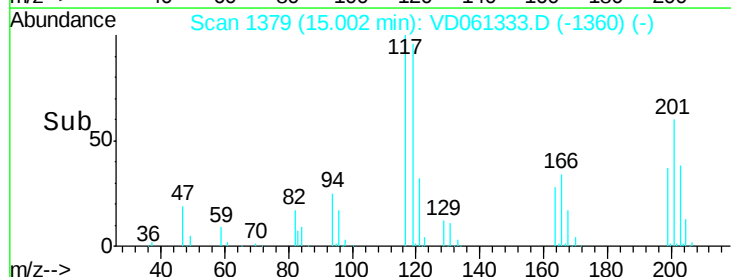
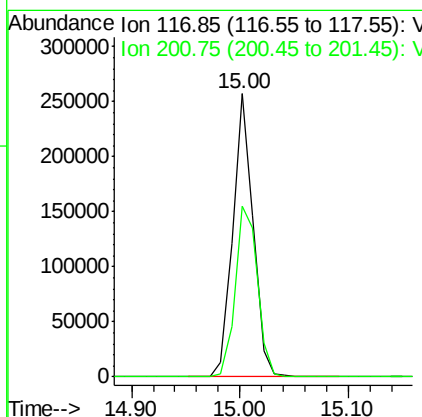
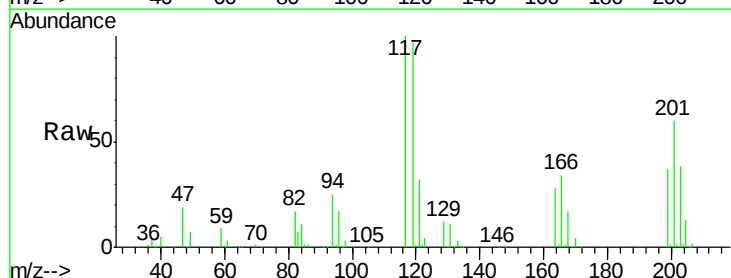
Manual Integrations
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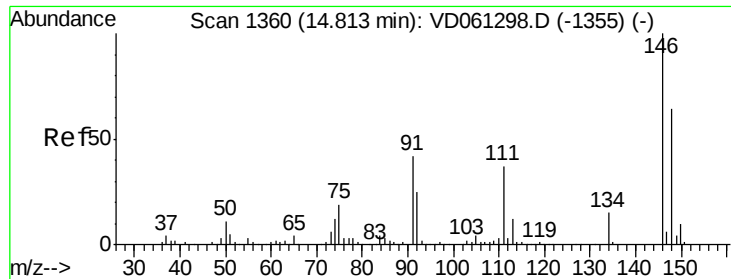
MMDadoda
3/27/2019 12:02:23 PM



#90
Hexachloroethane
Concen: 48.818 ug/l
RT: 15.00 min Scan# 1379
Delta R.T. -0.01 min
Lab File: VD061333.D
Acq: 26 Mar 2019 13:32

Tgt Ion: 117 Resp: 336443
Ion Ratio Lower Upper
117 100
201 60.1 34.0 101.8





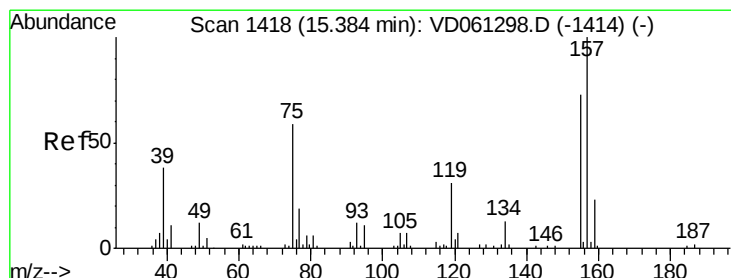
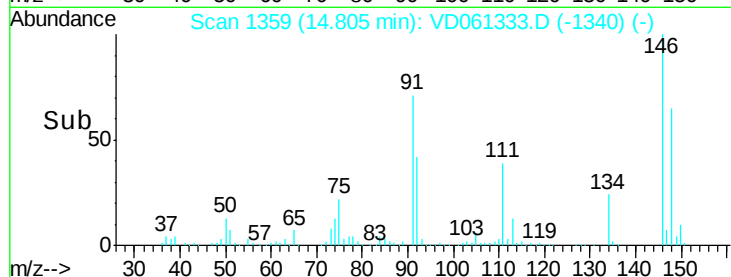
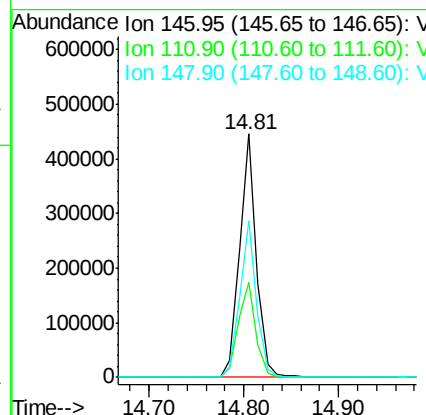
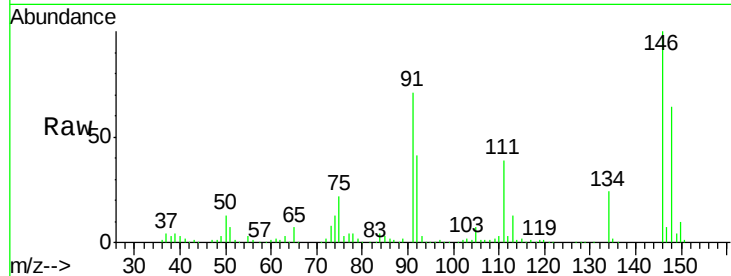
#91
 1,2-Dichlorobenzene
 Concen: 48.285 ug/l
 RT: 14.81 min Scan# 1359
 Delta R.T. -0.01 min
 Lab File: VD061333.D
 Acq: 26 Mar 2019 13:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	18.3	54.8
148	64.5	31.9	95.7

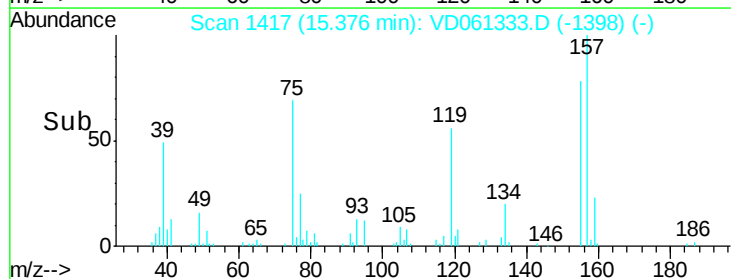
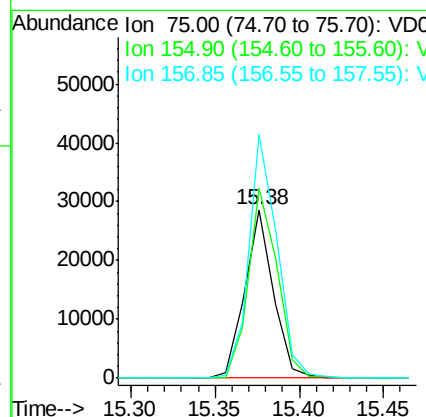
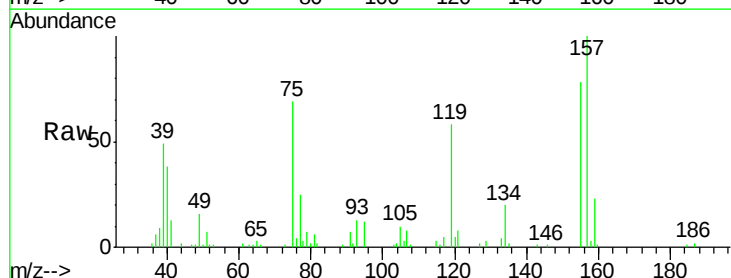
Manual Integrations
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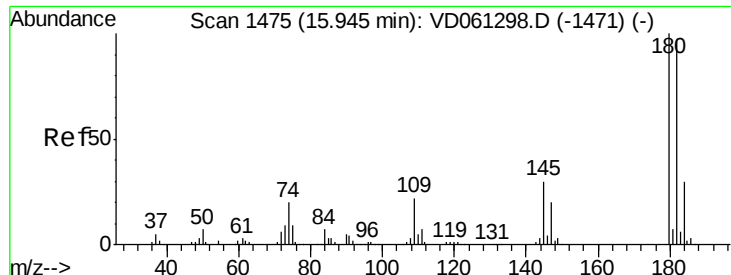
MMDadoda
 3/27/2019 12:02:23 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.337 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. -0.01 min
 Lab File: VD061333.D
 Acq: 26 Mar 2019 13:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	112.6	61.9	185.7
157	144.8	84.4	253.2





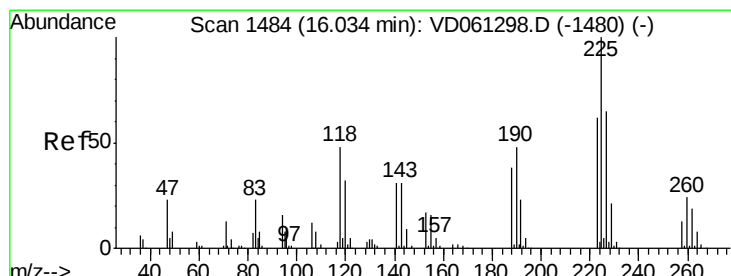
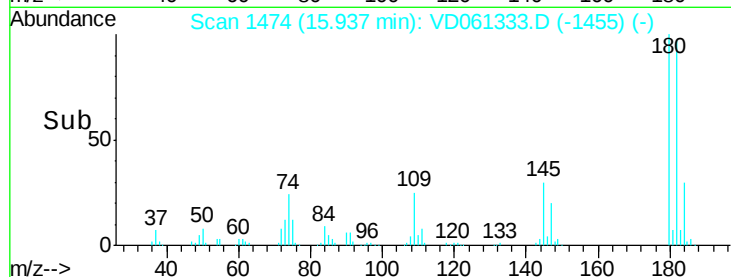
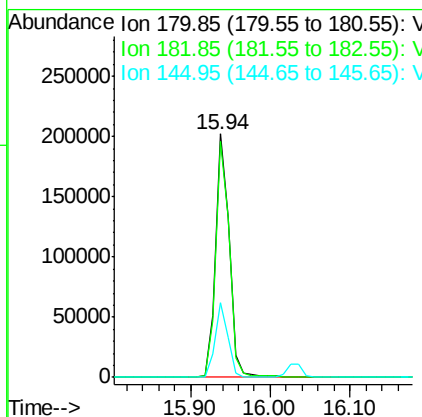
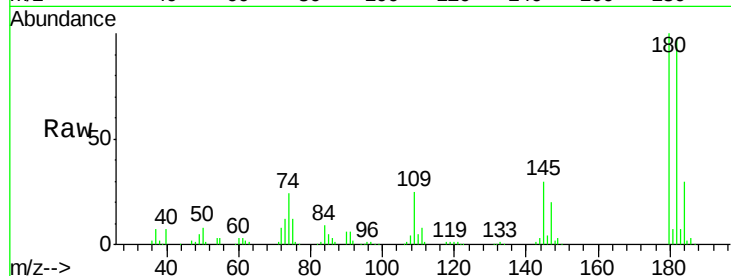
#93
 1,2,4-Trichlorobenzene
 Concen: 47.182 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD061333.D
 Acq: 26 Mar 2019 13:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.0	48.3	144.9
145	30.5	14.8	44.4

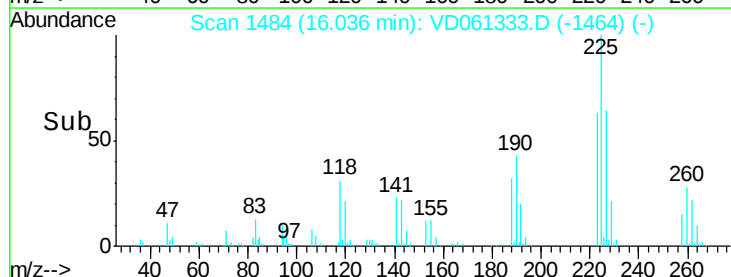
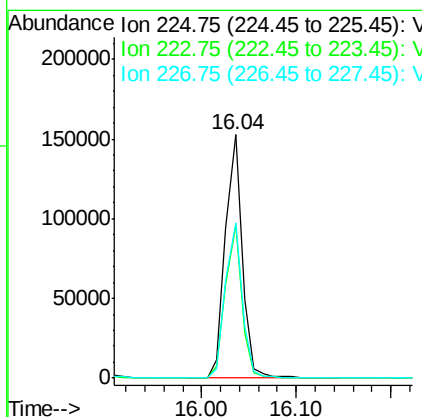
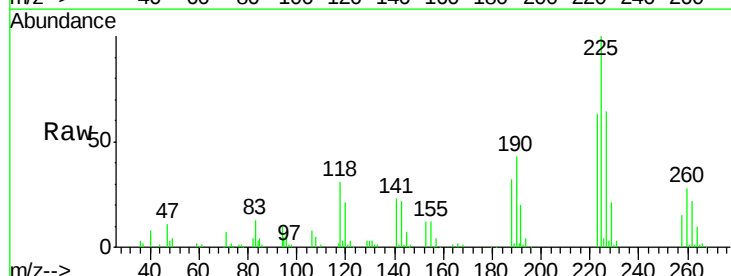
Manual Integrations
 APPROVED

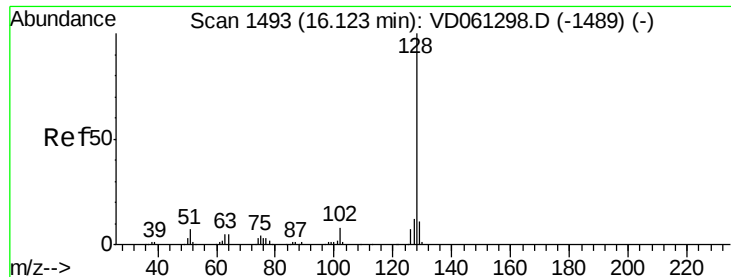
MMDadoda
 3/27/2019 12:02:23 PM



#94
 Hexachlorobutadiene
 Concen: 44.908 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD061333.D
 Acq: 26 Mar 2019 13:32

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	30.9	92.8
227	64.0	32.6	97.7





#95

Naphthalene

Concen: 43.344 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VD061333.D

Acq: 26 Mar 2019 13:32

Instrument :

MSVOA_D

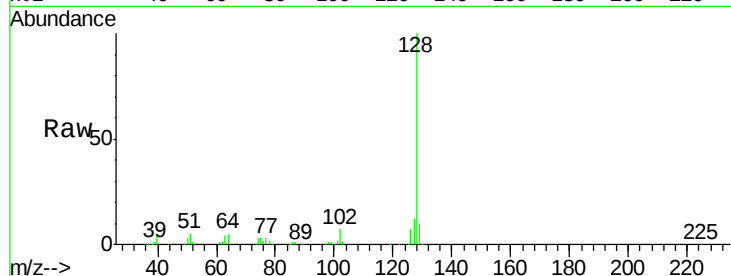
ClientSampleId :

VSTDCCC050

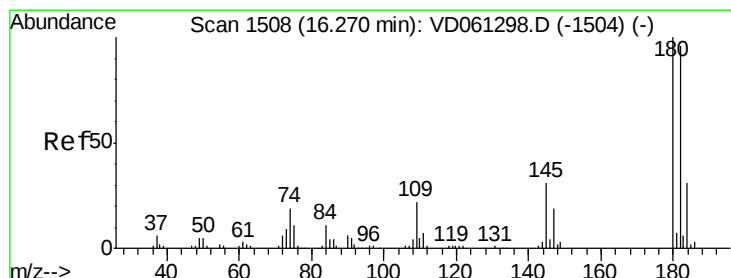
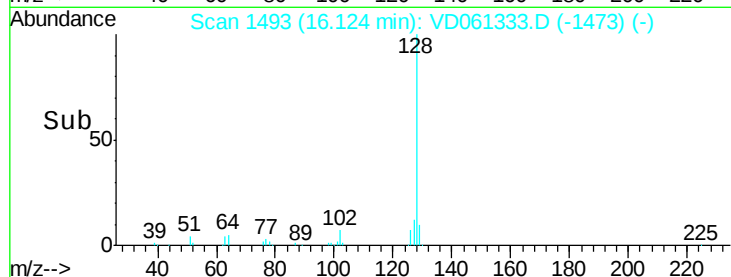
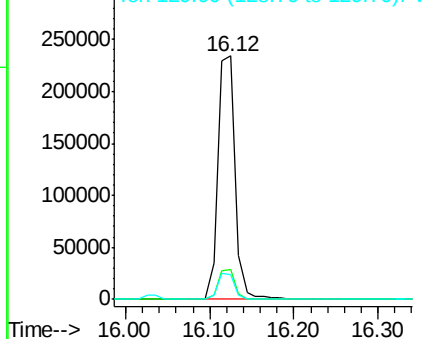
Tot Ion:	128	Resp:	331445
Ion Ratio	Lower	Upper	
128	100		
127	12.4	9.8	14.6
129	10.4	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
3/27/2019 12:02:23 PM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 41.755 ug/l

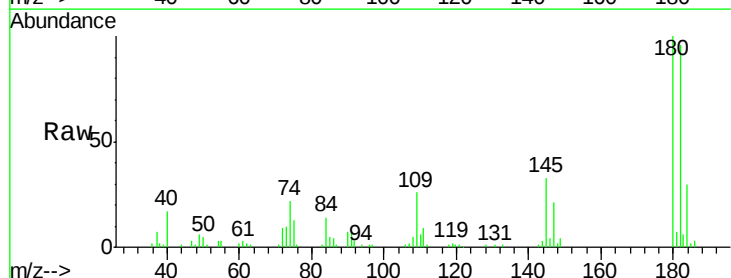
RT: 16.26 min Scan# 1507

Delta R.T. -0.01 min

Lab File: VD061333.D

Acq: 26 Mar 2019 13:32

Tgt Ion:	180	Resp:	102205
Ion Ratio	Lower	Upper	
180	100		
182	96.1	48.0	144.2
145	33.4	15.4	46.4



Abundance Ion 179.85 (179.55 to 180.55): V
Ion 181.85 (181.55 to 182.55): V
Ion 144.95 (144.65 to 145.65): V

