

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040919\
 Data File : VD061671.D
 Acq On : 9 Apr 2019 13:11
 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
 4/11/2019 2:59:59 AM

Quant Time: Apr 10 01:06:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 10:04:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	619301	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.24	114	975435	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.39	117	809409	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	388266	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.48	65	233228	49.68	ug/l	0.02
Spiked Amount	50.000		Recovery	=	99.36%	
35) Dibromofluoromethane	6.94	113	346685	51.30	ug/l	0.02
Spiked Amount	50.000		Recovery	=	102.60%	
50) Toluene-d8	10.43	98	772529	45.50	ug/l	0.02
Spiked Amount	50.000		Recovery	=	91.00%	
62) 4-Bromofluorobenzene	13.57	95	350648	61.73	ug/l	0.02
Spiked Amount	50.000		Recovery	=	123.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	322924	48.333	ug/l	100
3) Chloromethane	1.76	50	245226	45.420	ug/l	94
4) Vinyl Chloride	1.85	62	251280	49.807	ug/l	100
5) Bromomethane	2.16	94	56989	48.803	ug/l	96
6) Chloroethane	2.28	64	88938	56.283	ug/l	99
7) Trichlorofluoromethane	2.54	101	362444	47.581	ug/l	99
8) Diethyl Ether	2.89	74	115241	53.906	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.16	101	381475	50.938	ug/l	99
10) Methyl Iodide	3.32	142	538234	48.326	ug/l	98
11) Tert butyl alcohol	4.08	59	87975	279.637	ug/l #	93
12) 1,1-Dichloroethene	3.14	96	319241	49.448	ug/l	98
13) Acrolein	3.05	56	101643	264.992	ug/l	97
14) Allyl chloride	3.64	41	430529	48.893	ug/l	97
15) Acrylonitrile	4.22	53	270878	250.125	ug/l	95
16) Acetone	3.23	43	403541	287.571	ug/l	98
17) Carbon Disulfide	3.39	76	978896	46.663	ug/l	99
18) Methyl Acetate	3.66	43	133687	50.636	ug/l	99
19) Methyl tert-butyl Ether	4.26	73	598684	53.555	ug/l	99
20) Methylene Chloride	3.83	84	350023	43.957	ug/l	98
21) trans-1,2-Dichloroethene	4.24	96	354546	50.562	ug/l	97
22) Diisopropyl ether	5.14	45	1003162	54.337	ug/l	98
23) Vinyl Acetate	5.08	43	2660744	261.192	ug/l	99
24) 1,1-Dichloroethane	5.01	63	584970	51.707	ug/l	100
25) 2-Butanone	6.09	43	457898	283.049	ug/l	97
26) 2,2-Dichloropropane	6.05	77	511779	55.556	ug/l	99
27) cis-1,2-Dichloroethene	6.07	96	404523	54.076	ug/l	98
28) Bromochloromethane	6.46	49	216092	51.779	ug/l	96
29) Tetrahydrofuran	6.48	42	205351	262.955	ug/l	98
30) Chloroform	6.69	83	635207	53.596	ug/l	100
31) Cyclohexane	6.98	56	461223	52.185	ug/l	100
32) 1,1,1-Trichloroethane	6.89	97	559680	53.889	ug/l	98
36) 1,1-Dichloropropene	7.17	75	434183	50.860	ug/l	97
37) Ethyl Acetate	6.21	43	198300	57.029	ug/l #	97
38) Carbon Tetrachloride	7.14	117	549079m	54.880	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	454333	51.838	ug/l	98
40) Benzene	7.48	78	1150215	55.849	ug/l	99
41) Methacrylonitrile	6.47	41	236548	58.276	ug/l #	93
42) 1,2-Dichloroethane	7.60	62	370303	57.173	ug/l	99
43) Isopropyl Acetate	9.26	43	276179	54.728	ug/l #	97
44) Trichloroethene	8.57	130	423531	53.642	ug/l	95
45) 1,2-Dichloropropane	8.96	63	259212	50.751	ug/l	97
46) Dibromomethane	9.09	93	208115	57.013	ug/l	96
47) Bromodichloromethane	9.40	83	466150	58.145	ug/l	98
48) Methyl methacrylate	9.14	41	162393	55.826	ug/l	95
49) 1,4-Dioxane	9.10	88	37039	1153.560	ug/l	90
51) 4-Methyl-2-Pentanone	10.32	43	840578	281.655	ug/l	97
52) Toluene	10.53	92	665439	51.743	ug/l	98
53) t-1,3-Dichloropropene	10.93	75	431808	61.445	ug/l	95
54) cis-1,3-Dichloropropene	10.06	75	512888	59.204	ug/l	98
55) 1,1,2-Trichloroethane	11.22	97	237694	54.801	ug/l	95
56) Ethyl methacrylate	11.06	69	251986	55.070	ug/l	98
57) 1,3-Dichloropropane	11.43	76	365197	57.493	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.88	63	620884	287.577	ug/l	100
59) 2-Hexanone	11.55	43	698065	301.390	ug/l	98
60) Dibromochloromethane	11.71	129	407781	59.506	ug/l	100
61) 1,2-Dibromoethane	11.83	107	285154	56.216	ug/l	97
64) Tetrachloroethene	11.28	164	301027	47.912	ug/l	99
65) Chlorobenzene	12.42	112	847409	52.793	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.53	131	344361	55.752	ug/l	98
67) Ethyl Benzene	12.54	91	1336870	54.693	ug/l	99
68) m/p-Xylenes	12.68	106	924158	98.071	ug/l	95
69) o-Xylene	13.07	106	488635	53.717	ug/l	96
70) Styrene	13.09	104	782959	50.400	ug/l	98
71) Bromoform	13.25	173	216320	56.445	ug/l #	97
73) Isopropylbenzene	13.42	105	1291066	49.905	ug/l	99
74) N-amyl acetate	13.27	43	344805	49.054	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.72	83	274452	51.307	ug/l	97
76) 1,2,3-Trichloropropane	13.75	75	276706	52.383	ug/l	97
77) Bromobenzene	13.69	156	361365	48.122	ug/l	82
78) n-propylbenzene	13.79	91	1653986	53.447	ug/l	99
79) 2-Chlorotoluene	13.85	91	861839	48.700	ug/l	97
80) 1,3,5-Trimethylbenzene	13.94	105	1065617	51.896	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.49	75	86364	53.878	ug/l	96
82) 4-Chlorotoluene	13.96	91	986951	50.895	ug/l	99
83) tert-Butylbenzene	14.20	119	1227787	49.592	ug/l	98
84) 1,2,4-Trimethylbenzene	14.25	105	1069251	51.595	ug/l	100
85) sec-Butylbenzene	14.38	105	1316210	49.206	ug/l	100
86) p-Isopropyltoluene	14.50	119	1103997	47.577	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	659428	51.026	ug/l	100
88) 1,4-Dichlorobenzene	14.55	146	665850	51.063	ug/l	99
89) n-Butylbenzene	14.81	91	1020832	50.613	ug/l	99
90) Hexachloroethane	15.02	117	340968	54.154	ug/l	99
91) 1,2-Dichlorobenzene	14.82	146	535311	50.258	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.39	75	37579	58.216	ug/l	95

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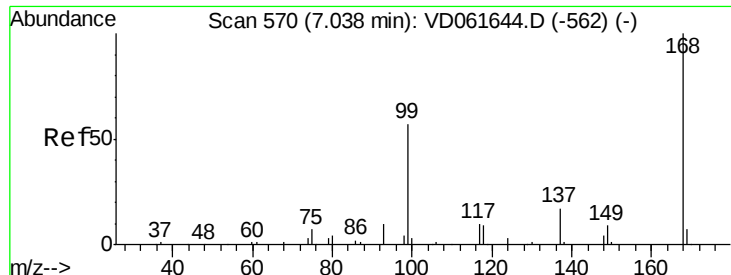
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.96	180	315248	58.094	ug/l	99
94) Hexachlorobutadiene	16.05	225	222950	53.208	ug/l	98
95) Naphthalene	16.14	128	493774	57.507	ug/l	99
96) 1,2,3-Trichlorobenzene	16.29	180	189590	70.004	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 574

Delta R.T. 0.03 min

Lab File: VD061671.D

Acq: 9 Apr 2019 13:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 619301

Ion Ratio Lower Upper

168 100

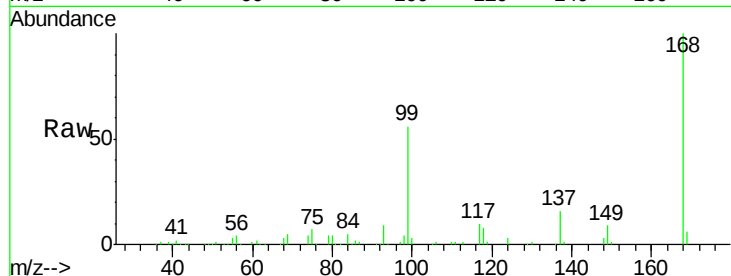
99 56.3 46.8 70.2

Manual Integrations

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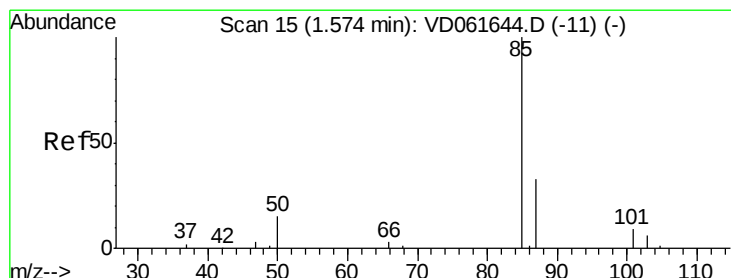
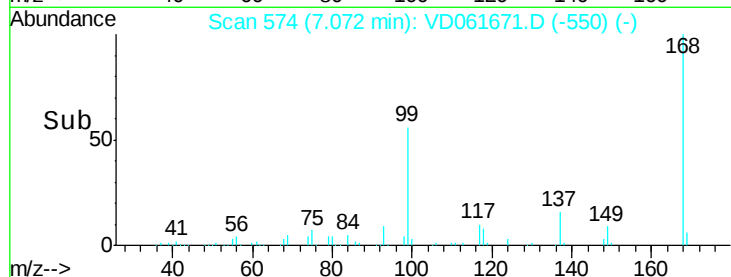
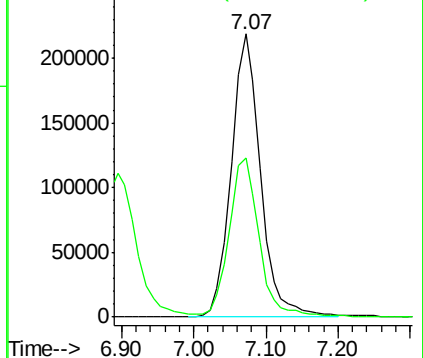
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 48.333 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.00 min

Lab File: VD061671.D

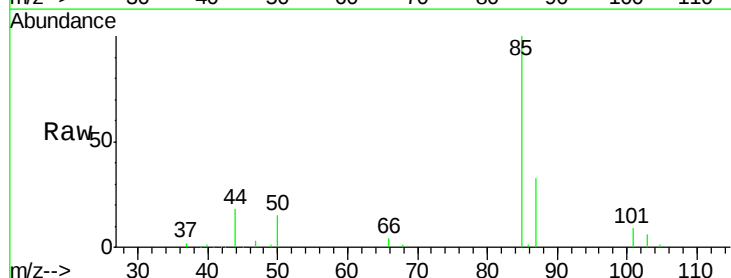
Acq: 9 Apr 2019 13:11

Tgt Ion: 85 Resp: 322924

Ion Ratio Lower Upper

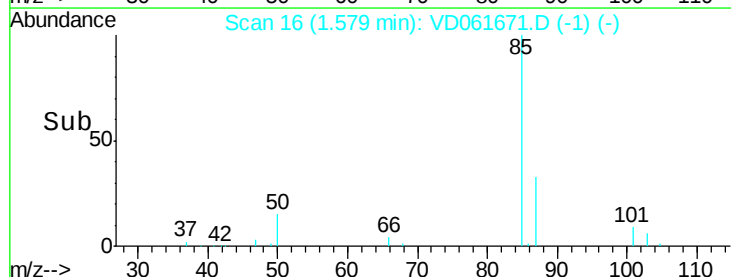
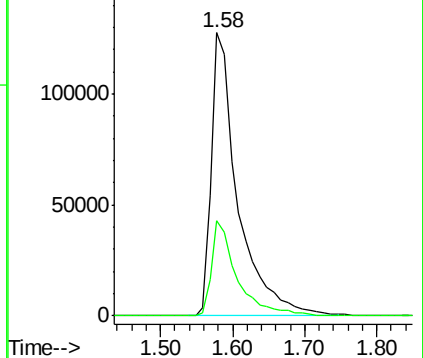
85 100

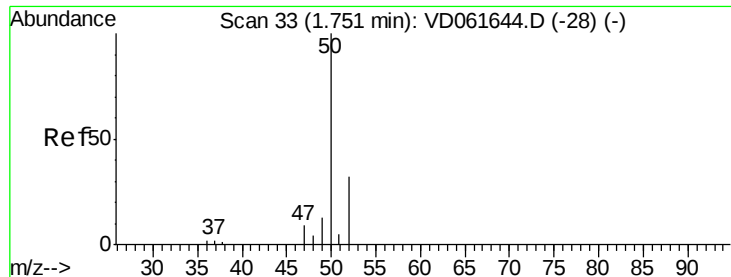
87 33.4 16.6 49.8



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 45.420 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.00 min

Lab File: VD061671.D

Acq: 9 Apr 2019 13:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 245226

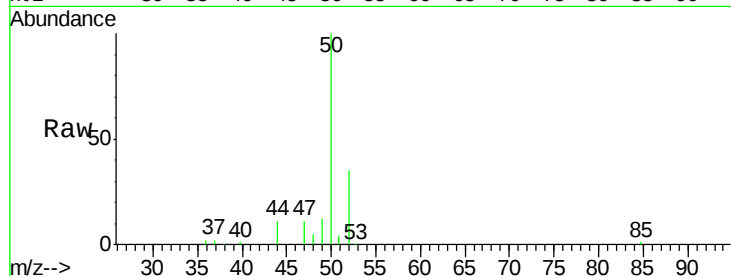
Ion Ratio Lower Upper

50 100

52 34.7 25.1 37.7

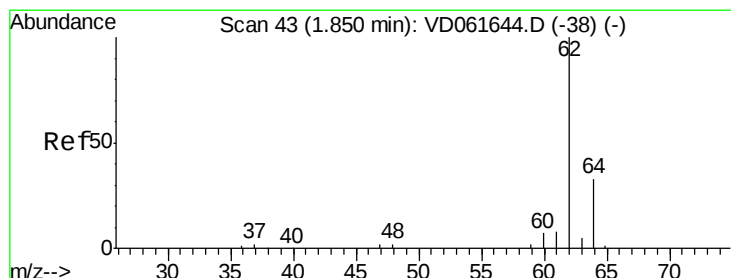
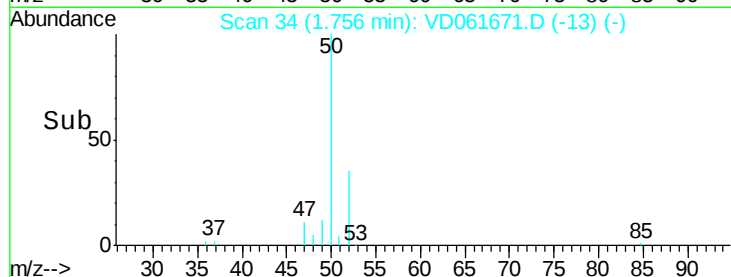
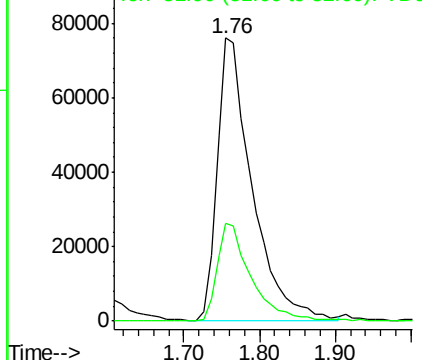
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 49.807 ug/l

RT: 1.85 min Scan# 44

Delta R.T. 0.00 min

Lab File: VD061671.D

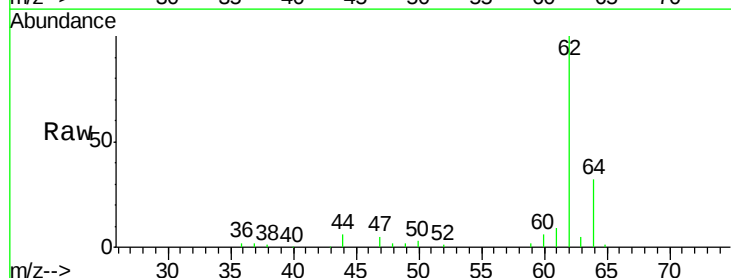
Acq: 9 Apr 2019 13:11

Tgt Ion: 62 Resp: 251280

Ion Ratio Lower Upper

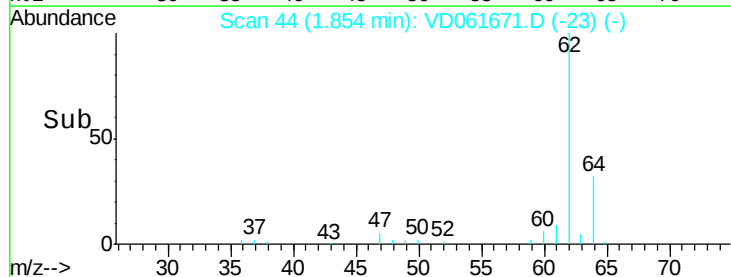
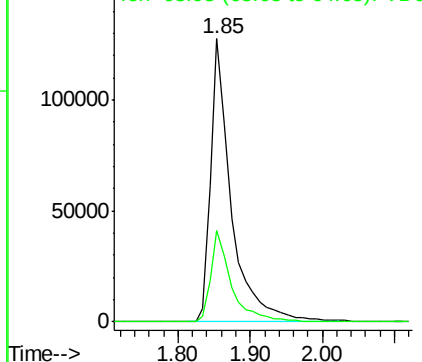
62 100

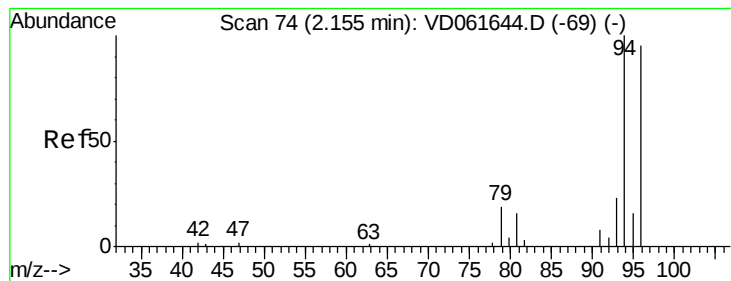
64 32.4 26.2 39.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 48.803 ug/l

RT: 2.16 min Scan# 75

Delta R.T. 0.00 min

Lab File: VD061671.D

Acq: 9 Apr 2019 13:11

Instrument :

MSVOA_D

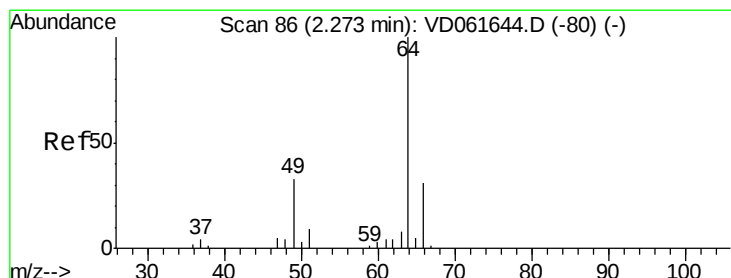
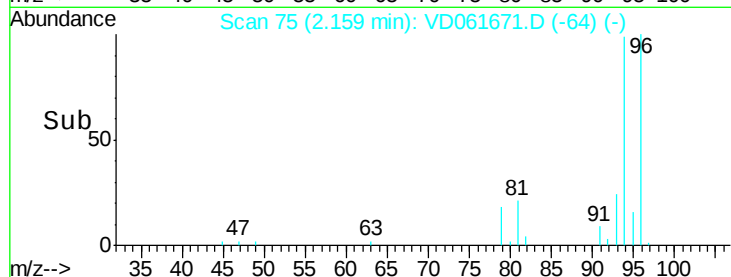
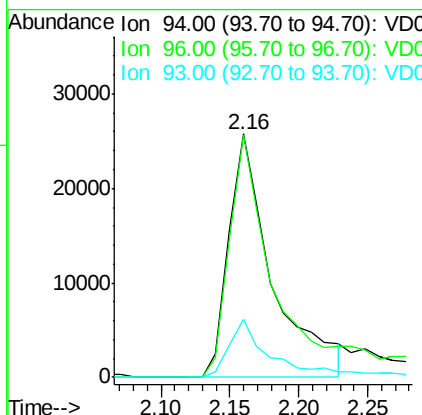
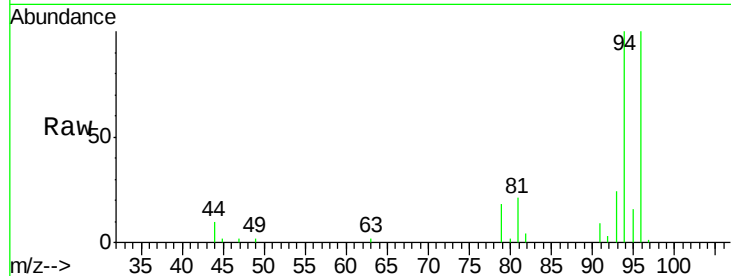
ClientSampleId :

VSTDCCC050

Tot Ion:	94	Resp:	56989
Ion	Ratio	Lower	Upper
94	100		
96	99.6	75.8	113.8
93	23.8	18.6	28.0

Manual Integrations
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#6

Chloroethane

Concen: 56.283 ug/l

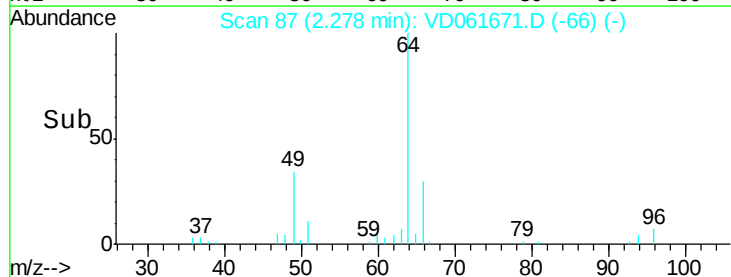
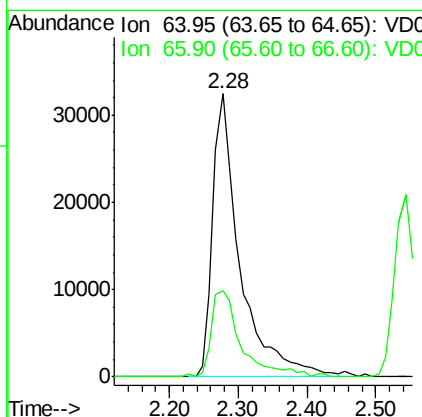
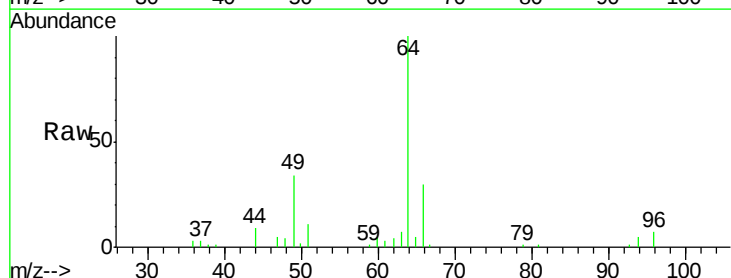
RT: 2.28 min Scan# 87

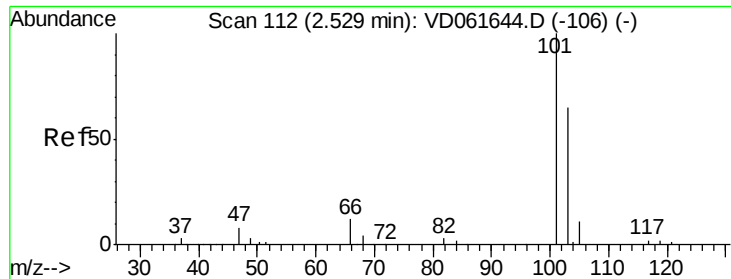
Delta R.T. 0.00 min

Lab File: VD061671.D

Acq: 9 Apr 2019 13:11

Tgt Ion:	64	Resp:	88938
Ion	Ratio	Lower	Upper
64	100		
66	30.3	24.9	37.3





#7

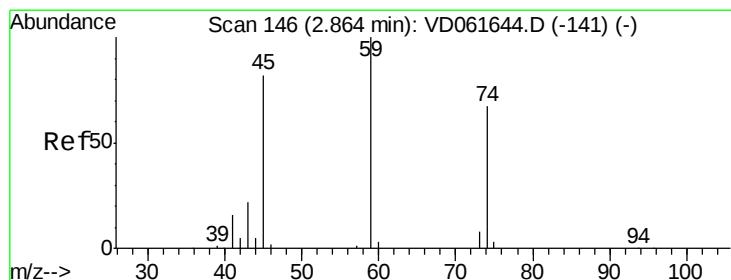
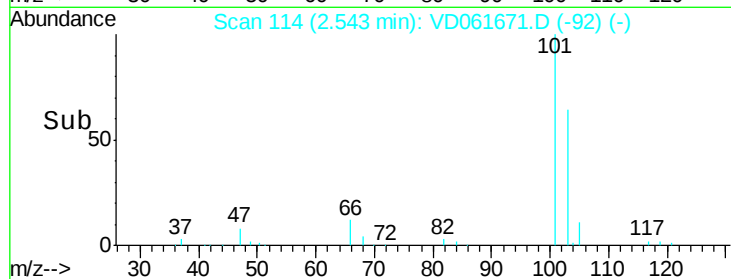
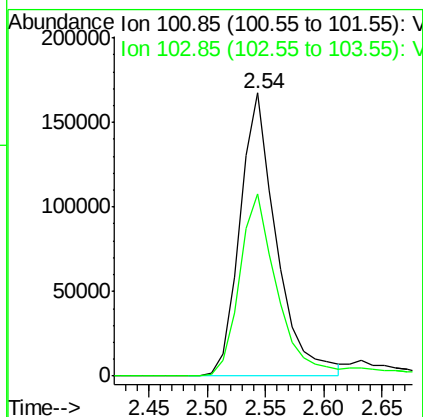
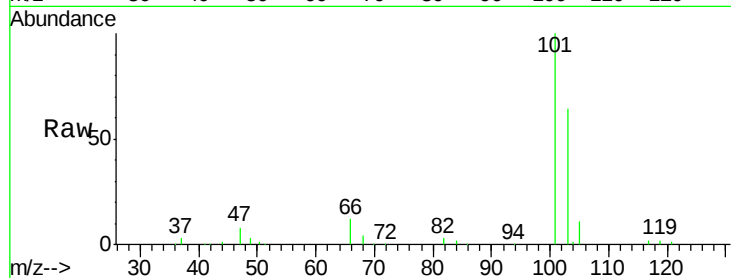
Trichlorofluoromethane
 Concen: 47.581 ug/l
 RT: 2.54 min Scan# 114
 Delta R.T. 0.01 min
 Lab File: VD061671.D
 Acq: 9 Apr 2019 13:11

Instrument :
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 VSTDCCC050

Tot Ion:101 Resp: 362444
 Ion Ratio Lower Upper
 101 100
 103 64.4 52.0 78.0

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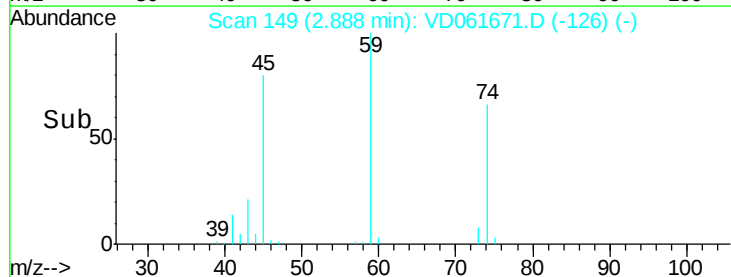
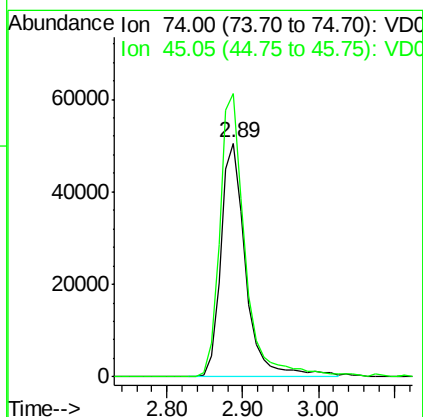
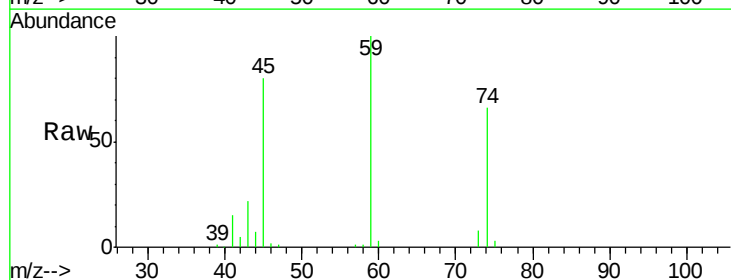
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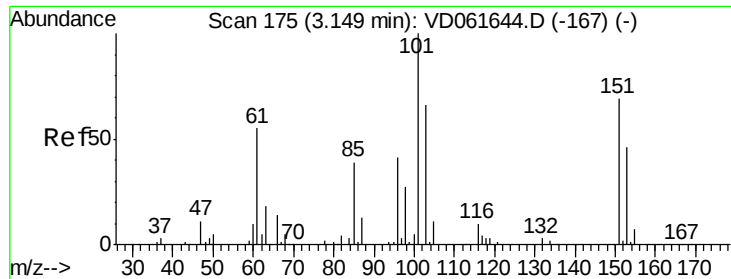


#8

Diethyl Ether
 Concen: 53.906 ug/l
 RT: 2.89 min Scan# 149
 Delta R.T. 0.02 min
 Lab File: VD061671.D
 Acq: 9 Apr 2019 13:11

Tgt Ion: 74 Resp: 115241
 Ion Ratio Lower Upper
 74 100
 45 121.0 61.0 183.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.938 ug/l

RT: 3.16 min Scan# 177

Delta R.T. 0.01 min

Lab File: VD061671.D

Acq: 9 Apr 2019 13:11

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MSVOA_D

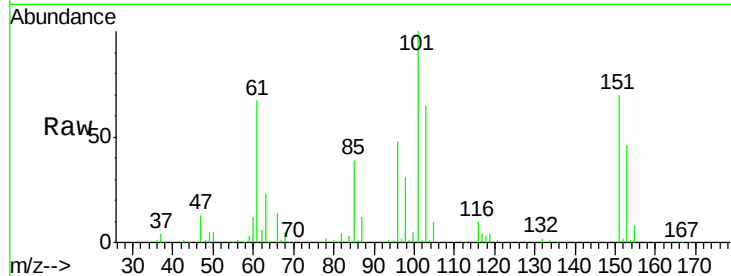
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	381475
Ion Ratio	Lower	Upper	
101	100		
85	39.2	31.0	46.6
151	70.0	55.3	82.9

Manual Integrations
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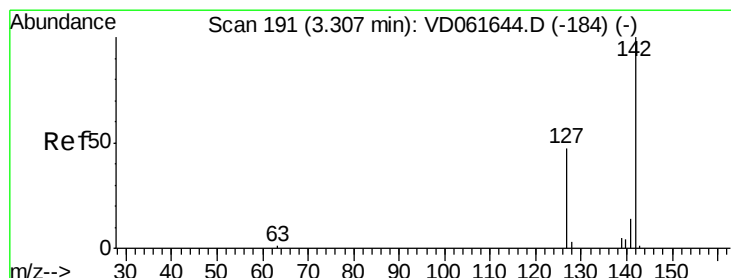
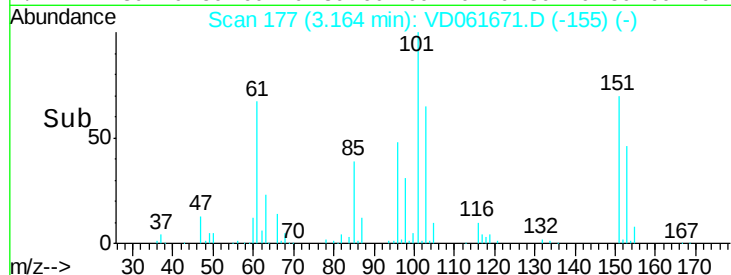
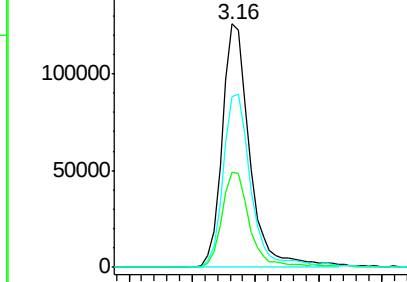
MMDadoda
4/11/2019 2:59:59 AM



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 48.326 ug/l

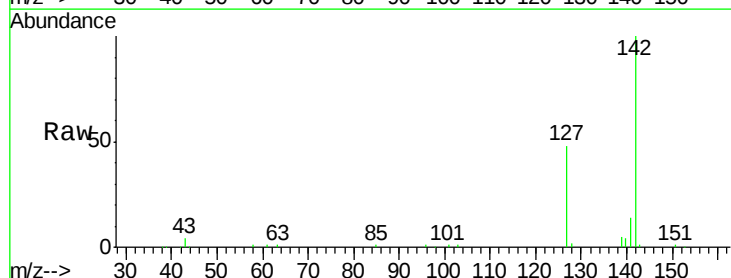
RT: 3.32 min Scan# 193

Delta R.T. 0.02 min

Lab File: VD061671.D

Acq: 9 Apr 2019 13:11

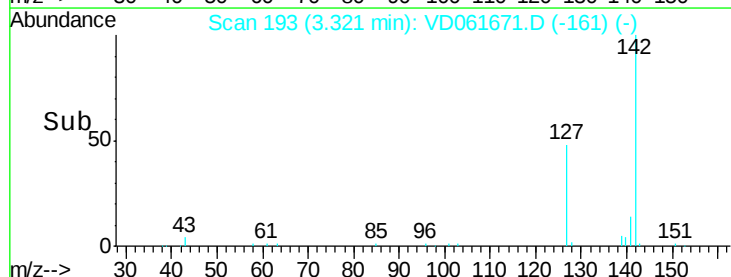
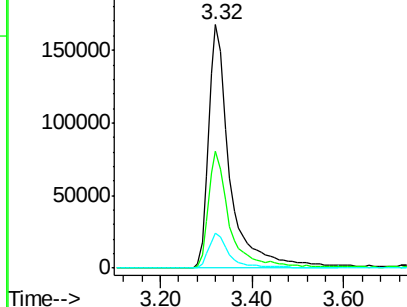
Tgt Ion:	142	Resp:	538234
Ion Ratio	Lower	Upper	
142	100		
127	48.1	37.2	55.8
141	14.1	10.8	16.2

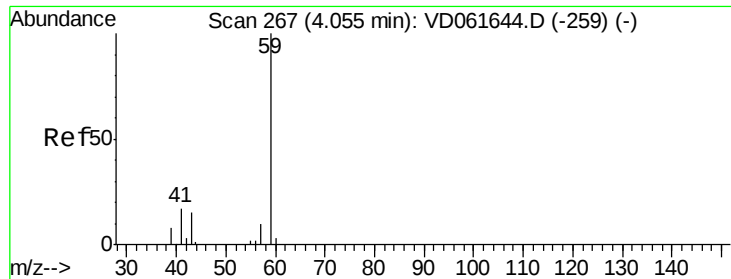


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





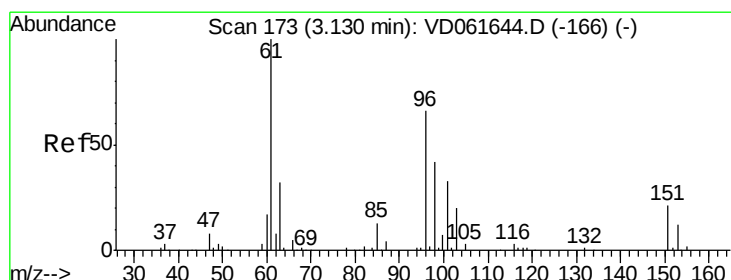
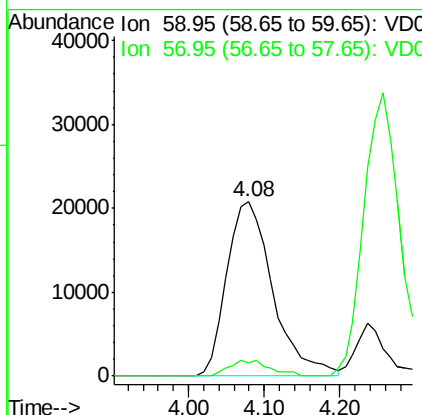
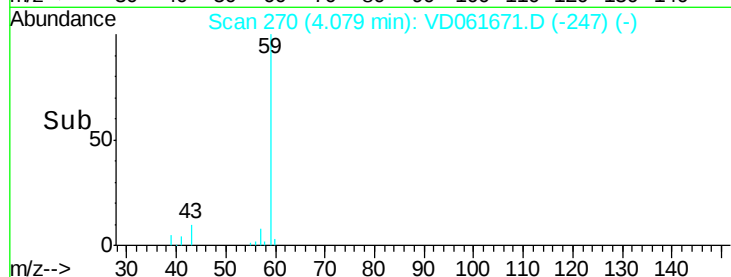
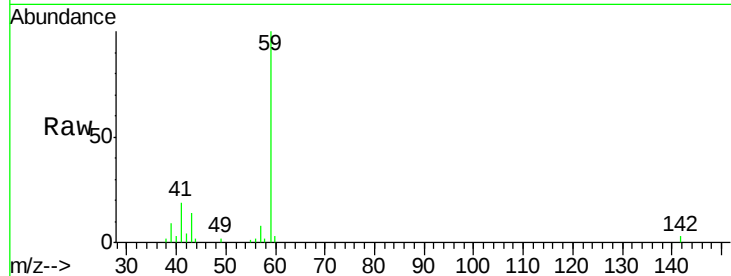
#11
Tert butyl alcohol
Concen: 279.637 ug/l
RT: 4.08 min Scan# 270
Delta R.T. 0.02 min
Lab File: VD061671.D
Acq: 9 Apr 2019 13:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 87975
Ion Ratio Lower Upper
59 100
57 7.8 8.4 12.6#

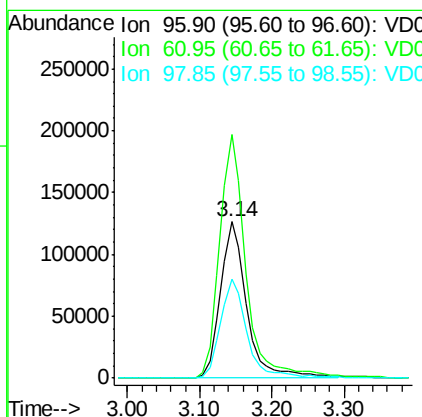
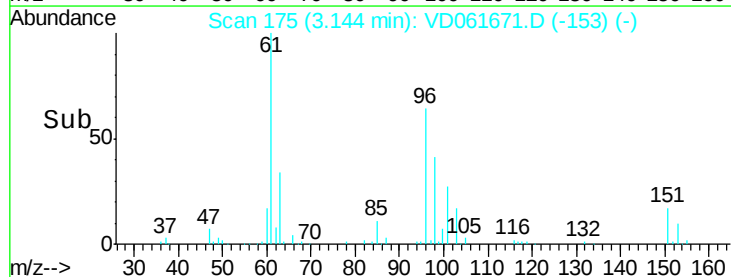
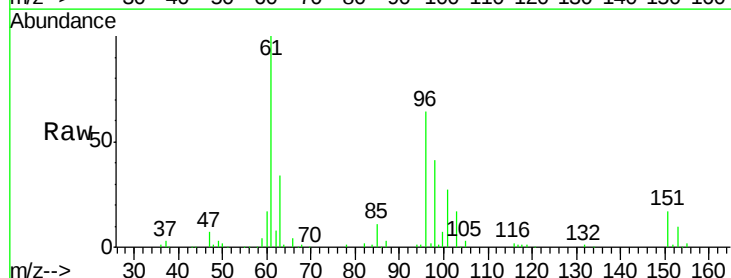
Manual Integrations
APPROVED

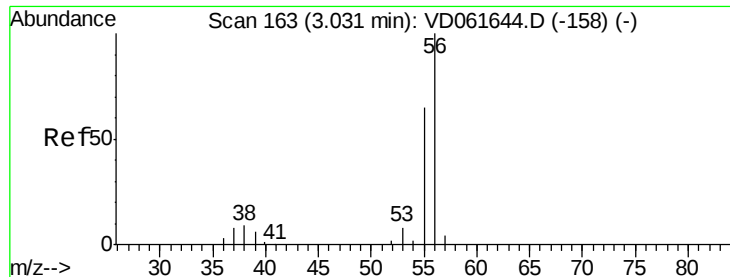
MMDadoda
4/11/2019 2:59:59 AM



#12
1,1-Dichloroethene
Concen: 49.448 ug/l
RT: 3.14 min Scan# 175
Delta R.T. 0.01 min
Lab File: VD061671.D
Acq: 9 Apr 2019 13:11

Tgt Ion: 96 Resp: 319241
Ion Ratio Lower Upper
96 100
61 155.7 121.3 181.9
98 63.1 50.6 76.0





#13

Acrolein

Concen: 264.992 ug/l

RT: 3.05 min Scan# 165

Delta R.T. 0.01 min

Lab File: VD061671.D

Acq: 9 Apr 2019 13:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 101643

Ion Ratio Lower Upper

56 100

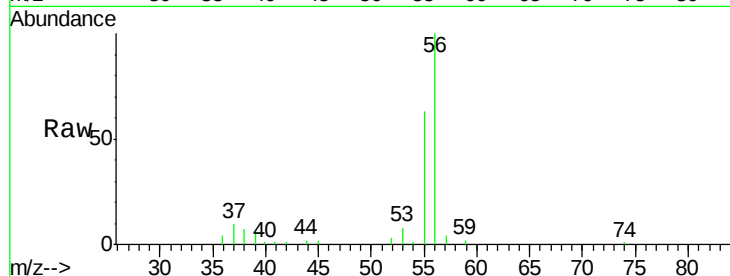
55 62.7 51.8 77.6

Manual Integrations

APPROVED

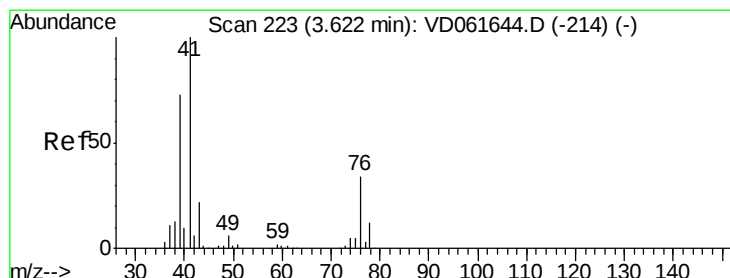
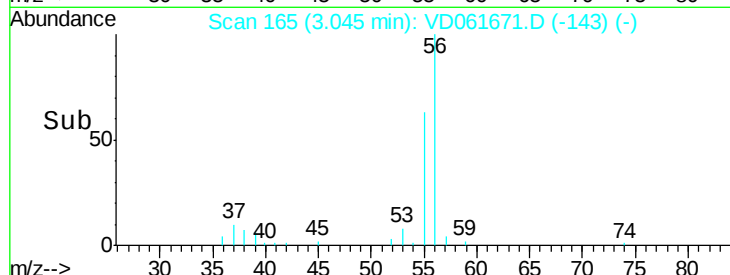
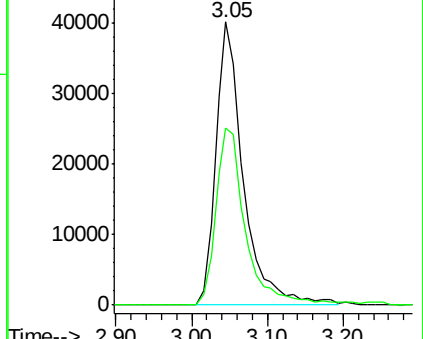
MMDadoda

4/11/2019 2:59:59 AM



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 48.893 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.01 min

Lab File: VD061671.D

Acq: 9 Apr 2019 13:11

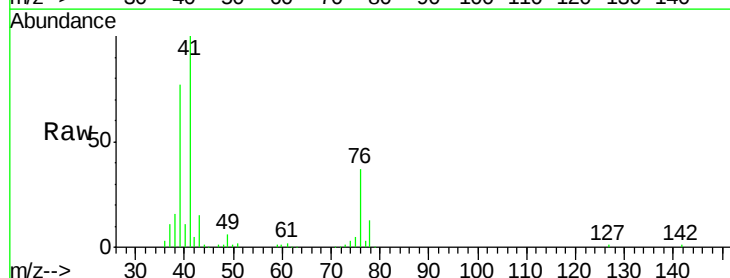
Tgt Ion: 41 Resp: 430529

Ion Ratio Lower Upper

41 100

39 76.7 58.2 87.4

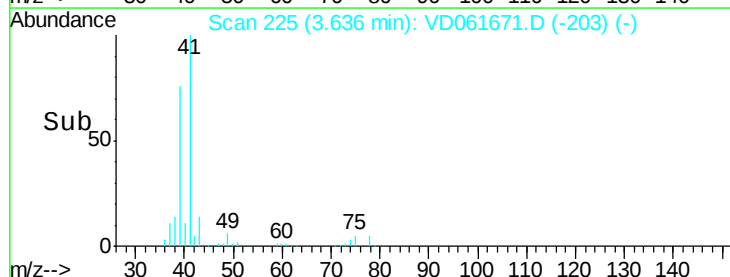
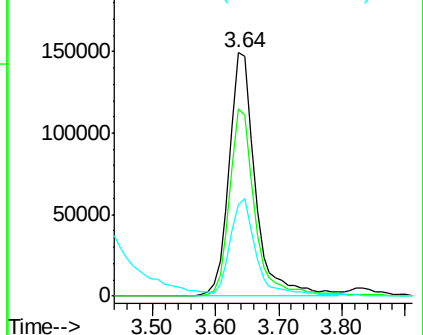
76 37.4 29.8 44.6

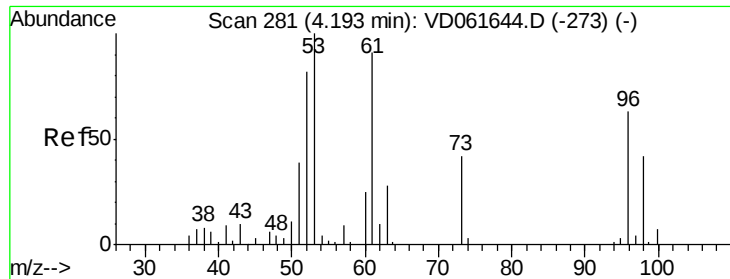


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 250.125 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.02 min

Lab File: VD061671.D

Acq: 9 Apr 2019 13:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 53 Resp: 270878

Ion Ratio Lower Upper

53 100

52 87.5 65.9 98.9

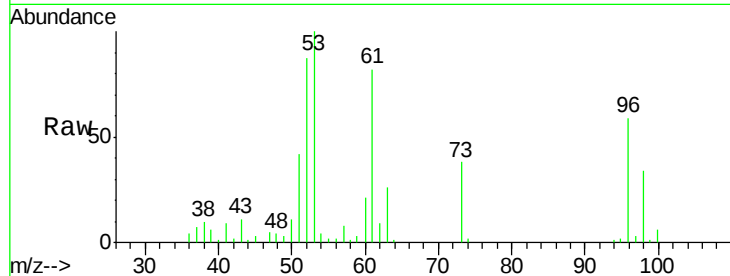
51 42.4 31.4 47.2

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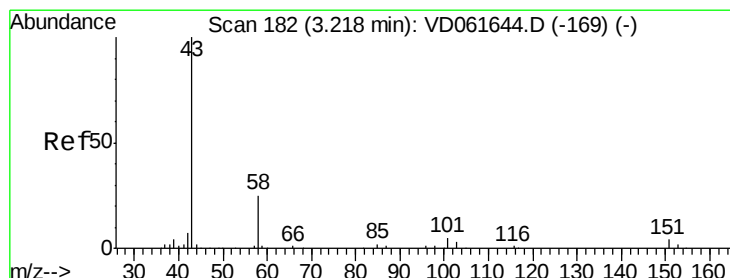
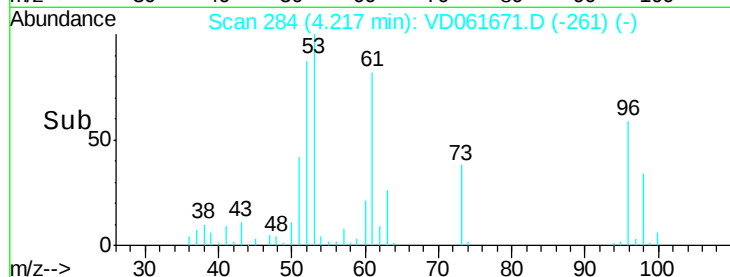
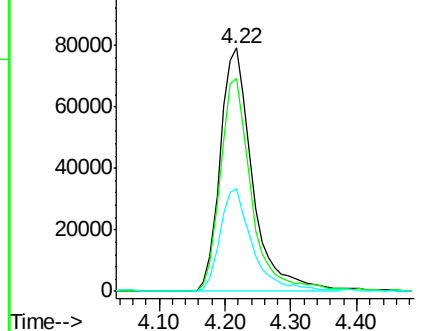
4/11/2019 2:59:59 AM



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 287.571 ug/l

RT: 3.23 min Scan# 184

Delta R.T. 0.01 min

Lab File: VD061671.D

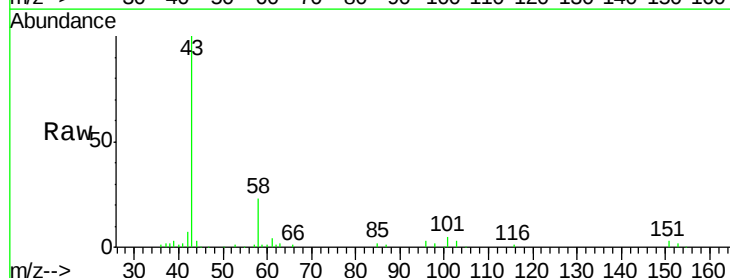
Acq: 9 Apr 2019 13:11

Tgt Ion: 43 Resp: 403541

Ion Ratio Lower Upper

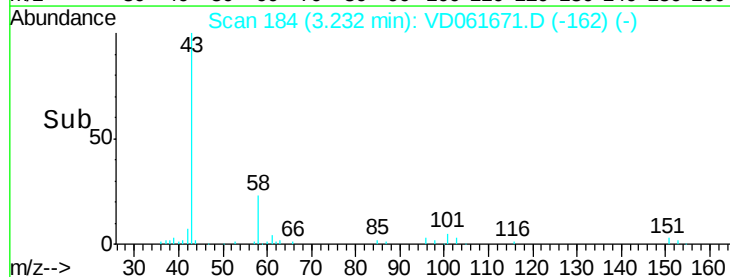
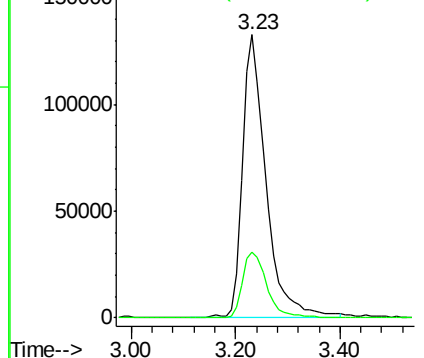
43 100

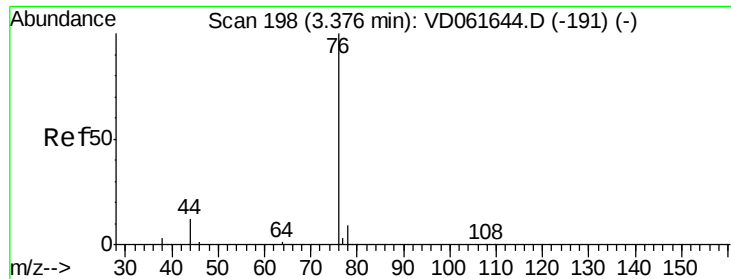
58 23.4 19.7 29.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





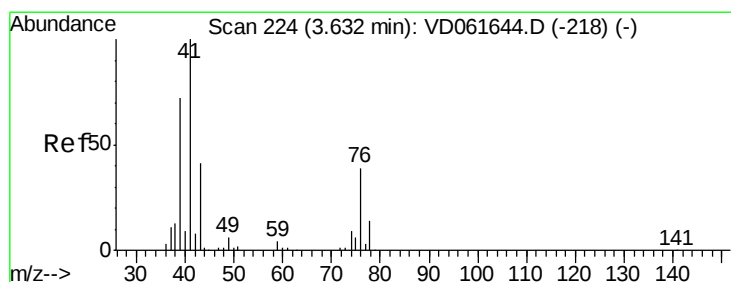
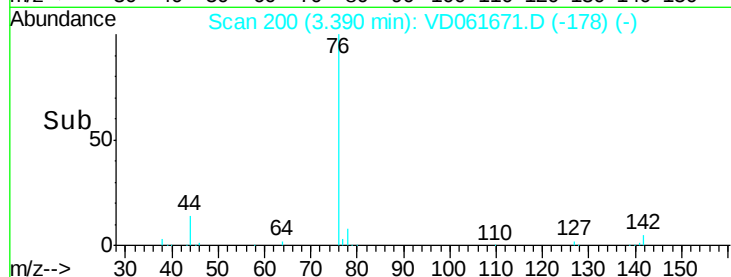
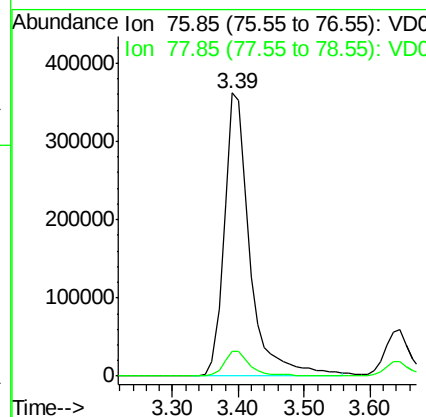
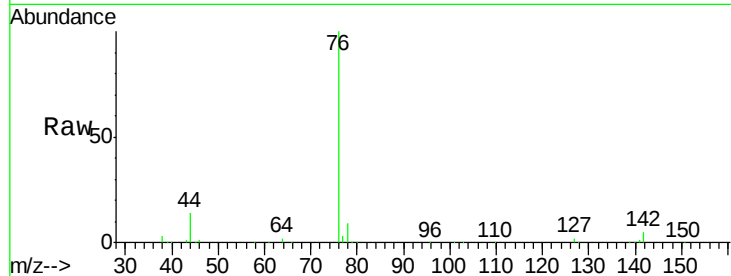
#17
Carbon Disulfide
Concen: 46.663 ug/l
RT: 3.39 min Scan# 200
Delta R.T. 0.01 min
Lab File: VD061671.D
Acq: 9 Apr 2019 13:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.4	11.2

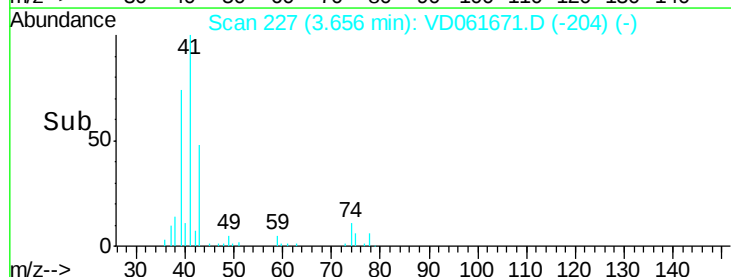
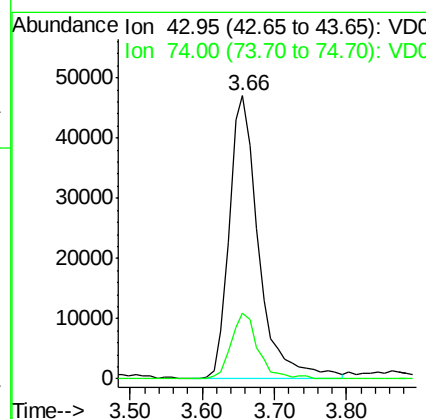
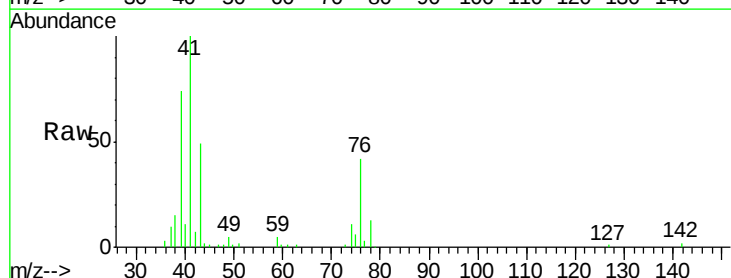
Manual Integrations
APPROVED

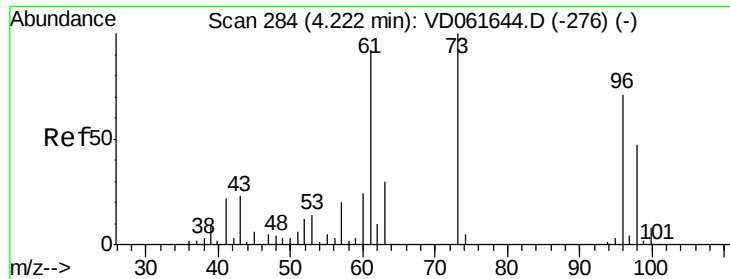
MMDadoda
4/11/2019 2:59:59 AM



#18
Methyl Acetate
Concen: 50.636 ug/l
RT: 3.66 min Scan# 227
Delta R.T. 0.02 min
Lab File: VD061671.D
Acq: 9 Apr 2019 13:11

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.1	18.2	27.2





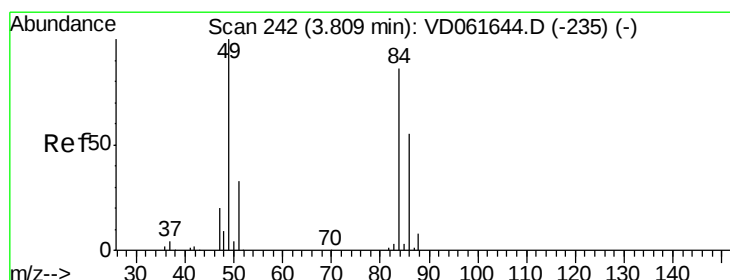
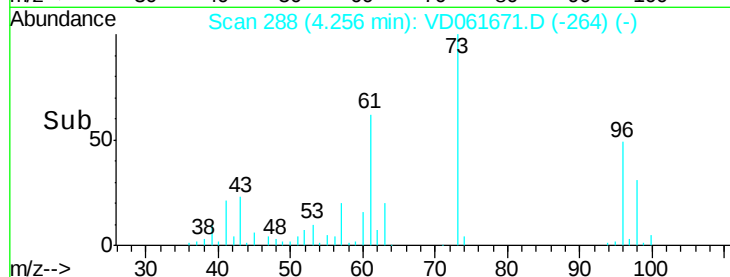
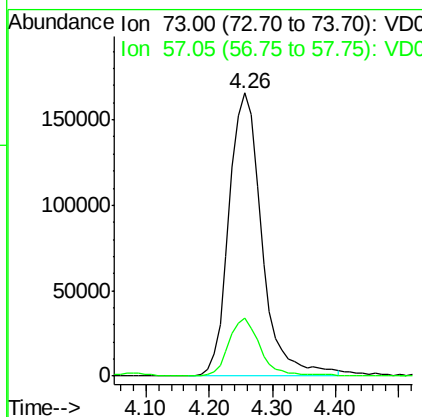
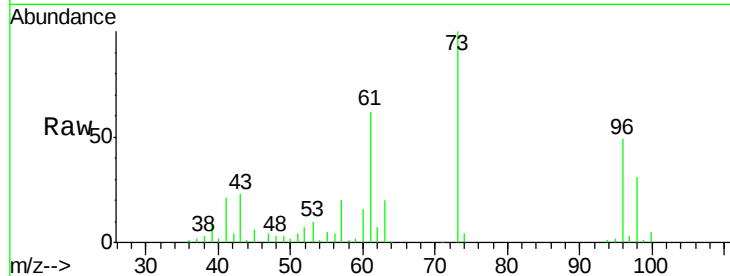
#19
Methvl tert-butvl Ether
Concen: 53.555 ug/l
RT: 4.26 min Scan# 288
Delta R.T. 0.03 min
Lab File: VD061671.D
Acq: 9 Apr 2019 13:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 598684
Ion Ratio Lower Upper
73 100
57 20.4 16.0 24.0

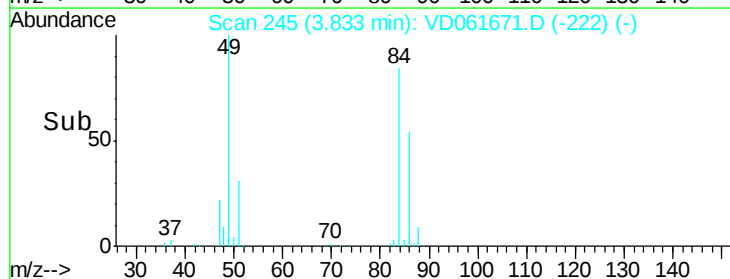
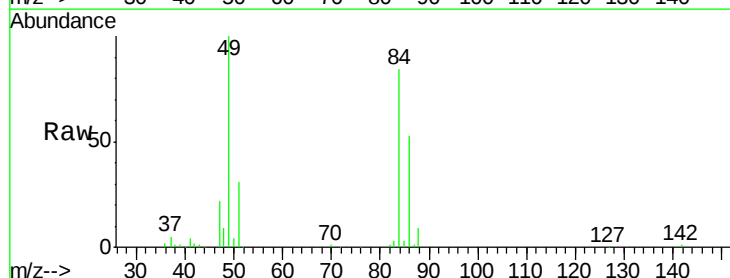
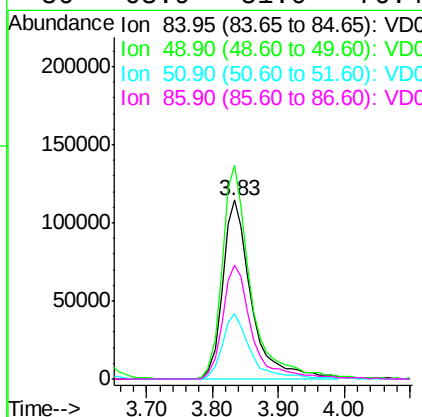
Manual Integrations
APPROVED

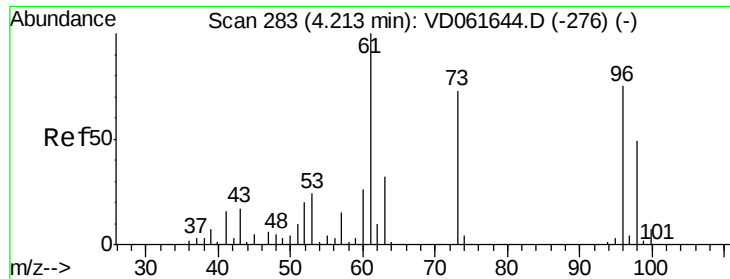
MMDadoda
4/11/2019 2:59:59 AM



#20
Methylene Chloride
Concen: 43.957 ug/l
RT: 3.83 min Scan# 245
Delta R.T. 0.02 min
Lab File: VD061671.D
Acq: 9 Apr 2019 13:11

Tgt Ion: 84 Resp: 350023
Ion Ratio Lower Upper
84 100
49 119.5 93.0 139.4
51 36.5 30.4 45.6
86 63.9 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 50.562 ug/l

RT: 4.24 min Scan# 286

Delta R.T. 0.02 min

Lab File: VD061671.D

Acq: 9 Apr 2019 13:11

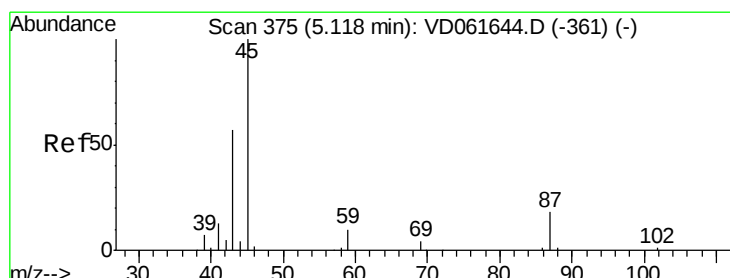
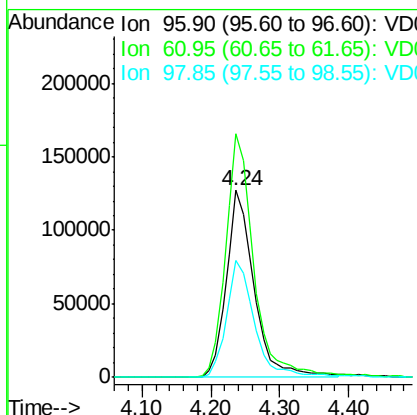
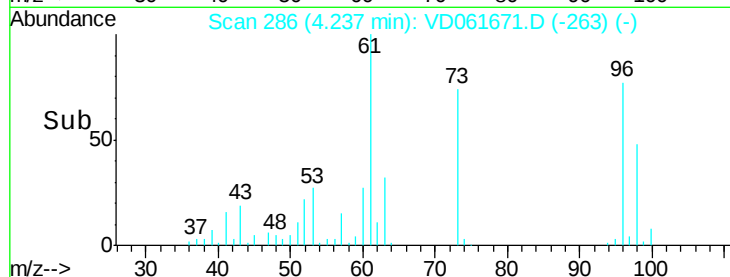
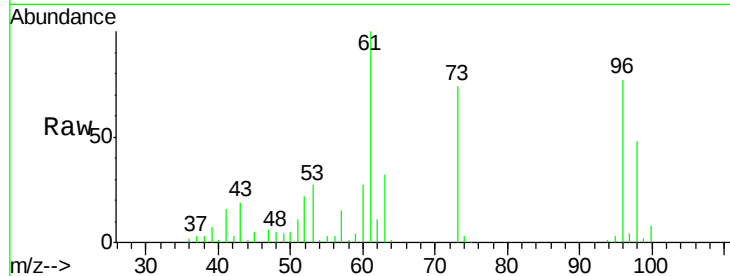
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 354546

Ion	Ratio	Lower	Upper
96	100		
61	130.2	106.8	160.2
98	62.4	52.2	78.2

Manual Integrations
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4/11/2019 2:59:59 AM



#22

Diisopropyl ether

Concen: 54.337 ug/l

RT: 5.14 min Scan# 378

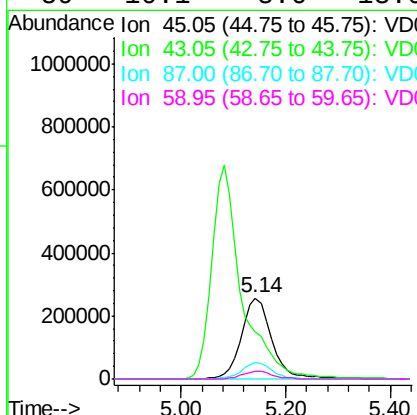
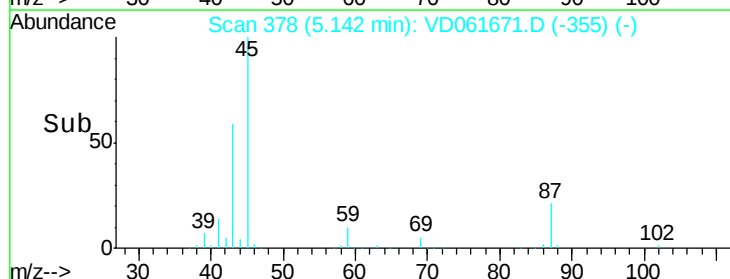
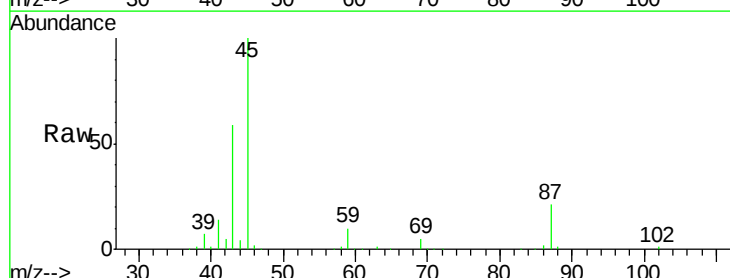
Delta R.T. 0.02 min

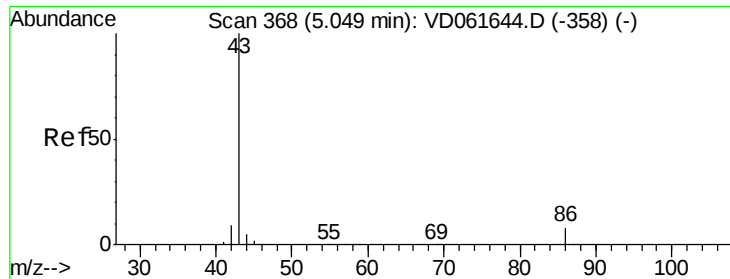
Lab File: VD061671.D

Acq: 9 Apr 2019 13:11

Tgt Ion: 45 Resp: 1003162

Ion	Ratio	Lower	Upper
45	100		
43	59.3	46.6	70.0
87	20.6	15.6	23.4
59	10.1	8.6	13.0





#23

Vinyl Acetate

Concen: 261.192 ug/l

RT: 5.08 min Scan# 372

Delta R.T. 0.03 min

Lab File: VD061671.D

Acq: 9 Apr 2019 13:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2660744

Ion Ratio Lower Upper

43 100

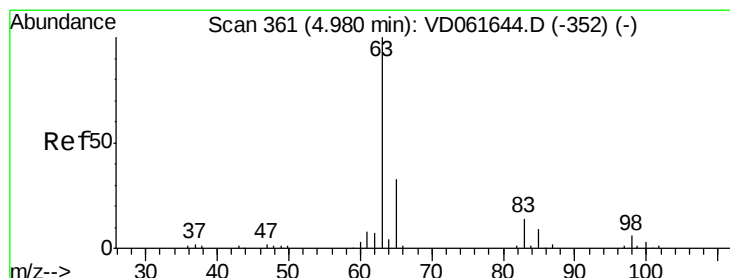
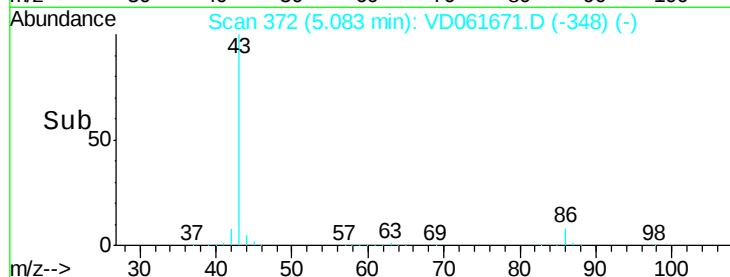
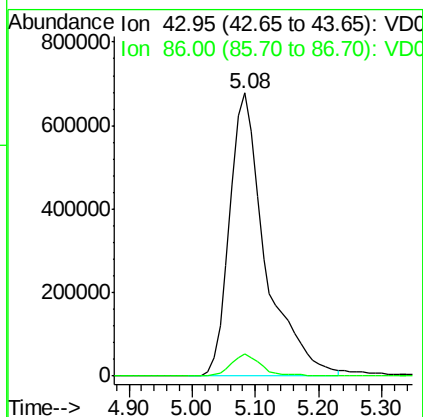
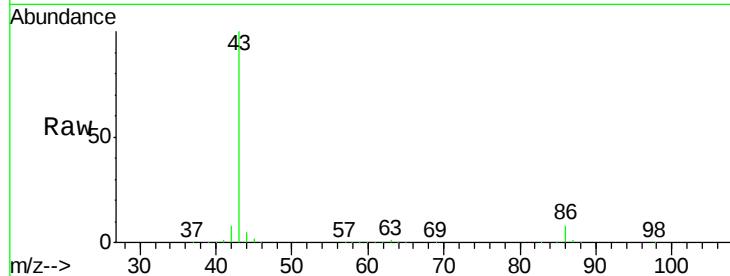
86 7.7 6.4 9.6

Manual Integrations

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MMDadoda

4/11/2019 2:59:59 AM



#24

1,1-Dichloroethane

Concen: 51.707 ug/l

RT: 5.01 min Scan# 365

Delta R.T. 0.03 min

Lab File: VD061671.D

Acq: 9 Apr 2019 13:11

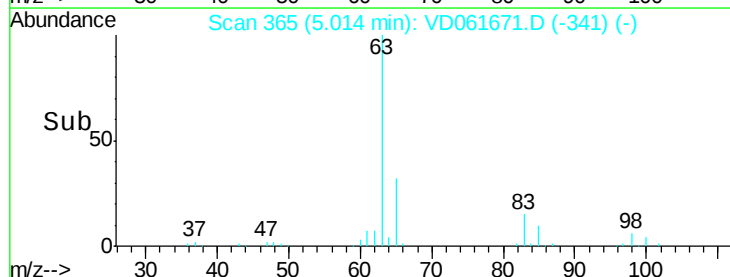
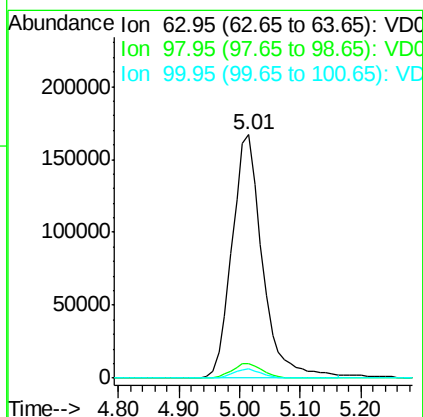
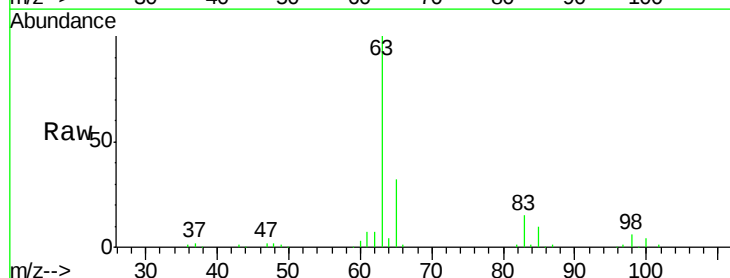
Tgt Ion: 63 Resp: 584970

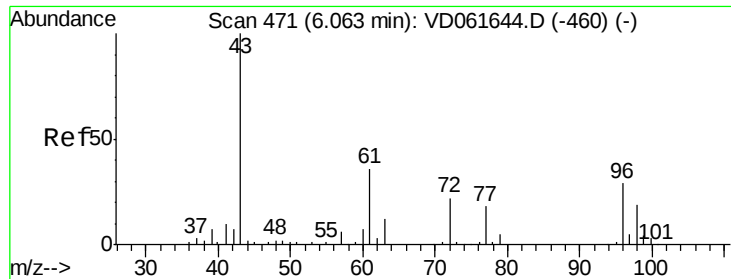
Ion Ratio Lower Upper

63 100

98 5.7 2.9 8.6

100 3.8 1.7 5.1





#25

2-Butanone

Concen: 283.049 ug/l

RT: 6.09 min Scan# 474

Delta R.T. 0.02 min

Lab File: VD061671.D

Acq: 9 Apr 2019 13:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 457898

Ion Ratio Lower Upper

43 100

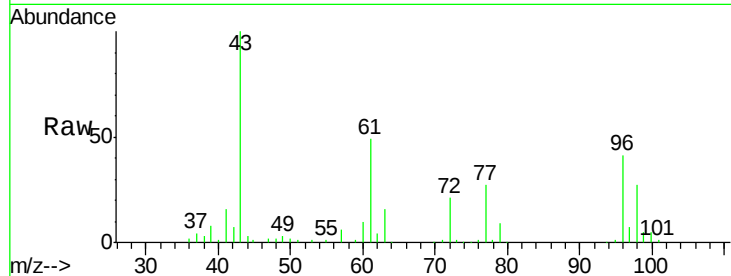
72 20.5 17.4 26.2

Manual Integrations

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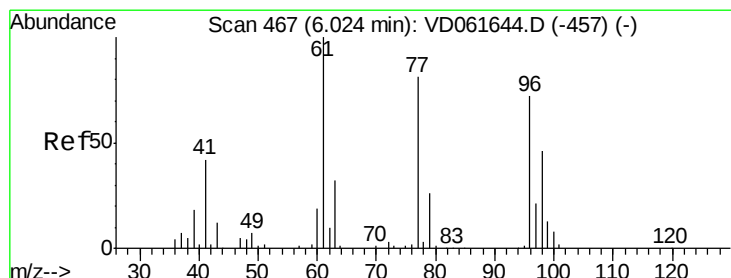
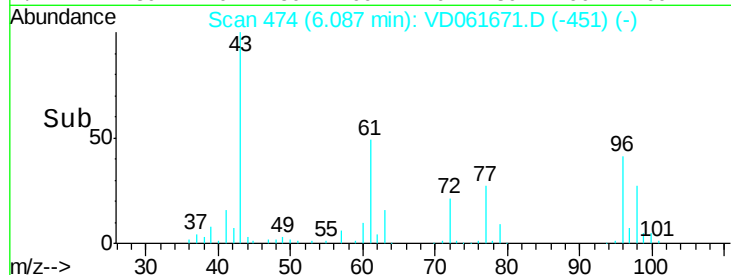
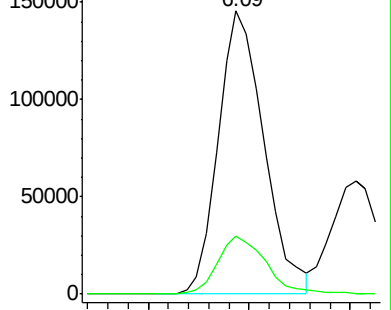
MMDadoda

4/11/2019 2:59:59 AM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 55.556 ug/l

RT: 6.05 min Scan# 470

Delta R.T. 0.02 min

Lab File: VD061671.D

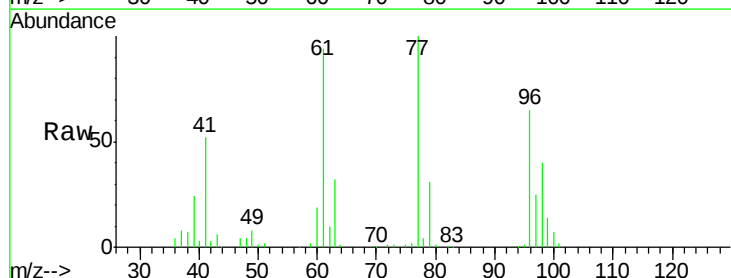
Acq: 9 Apr 2019 13:11

Tgt Ion: 77 Resp: 511779

Ion Ratio Lower Upper

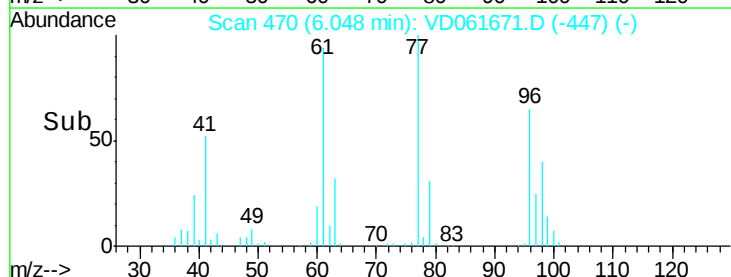
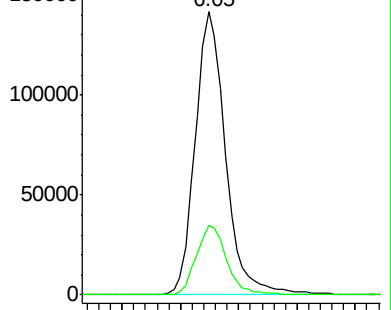
77 100

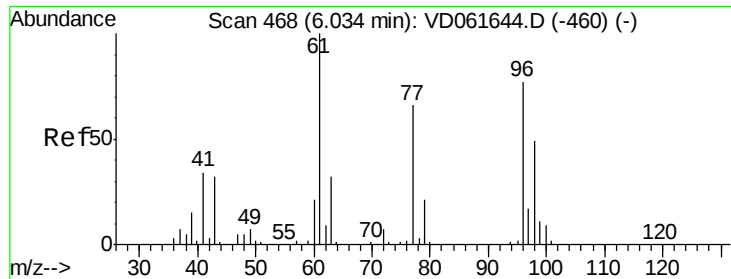
97 24.6 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





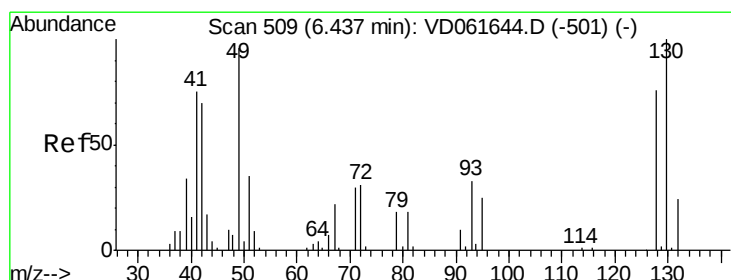
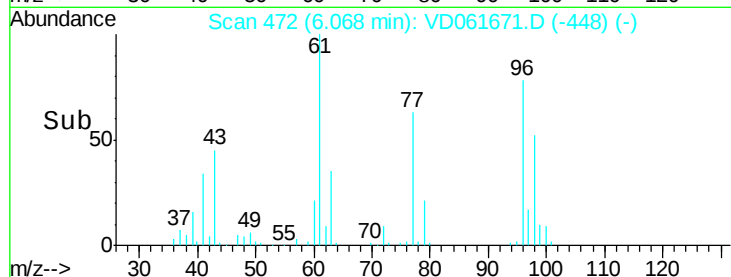
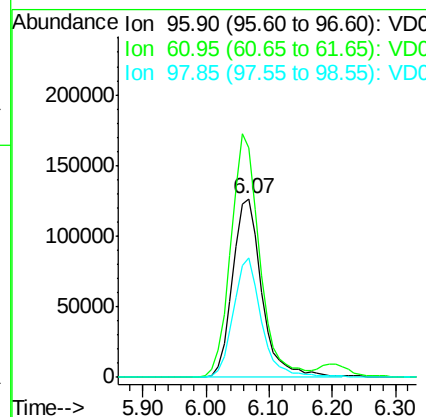
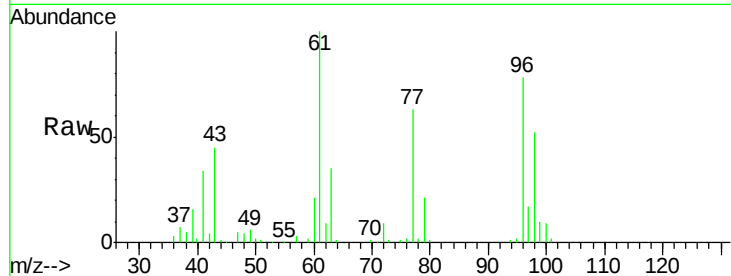
#27
 cis-1,2-Dichloroethene
 Concen: 54.076 ug/l
 RT: 6.07 min Scan# 472
 Delta R.T. 0.03 min
 Lab File: VD061671.D
 Acq: 9 Apr 2019 13:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	404523		
61	128.7	0.0	259.8	
98	67.0	0.0	127.6	

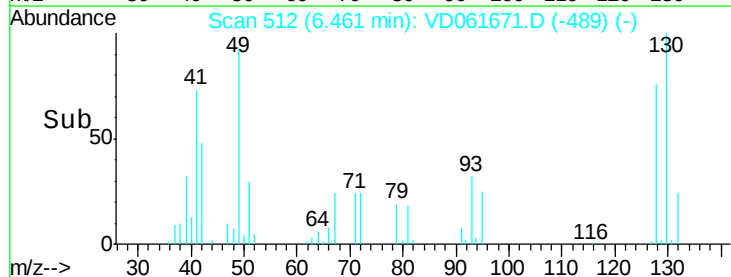
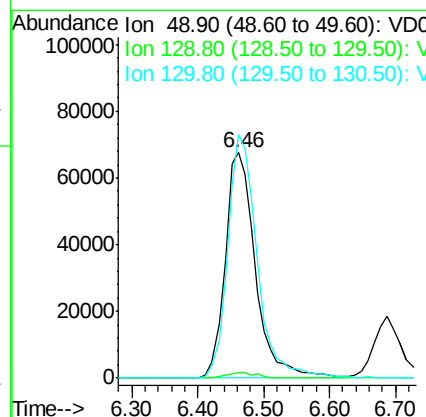
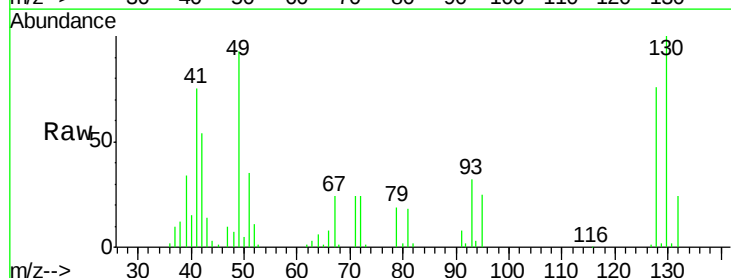
Manual Integrations
 APPROVED

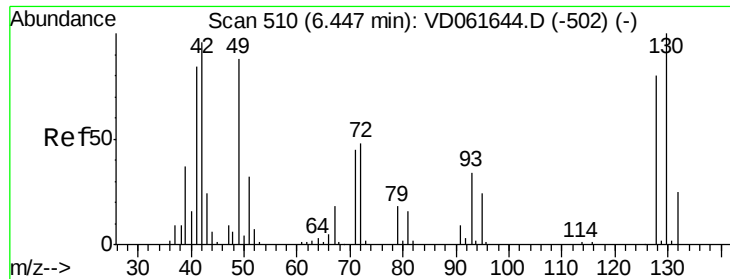
MMDadoda
 4/11/2019 2:59:59 AM



#28
 Bromochloromethane
 Concen: 51.779 ug/l
 RT: 6.46 min Scan# 512
 Delta R.T. 0.02 min
 Lab File: VD061671.D
 Acq: 9 Apr 2019 13:11

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	216092		
129	2.5	0.0	4.0	
130	107.9	83.3	124.9	





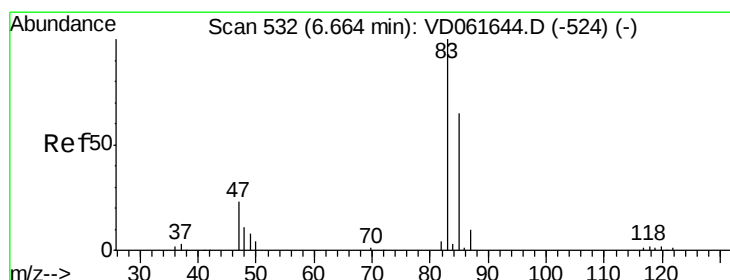
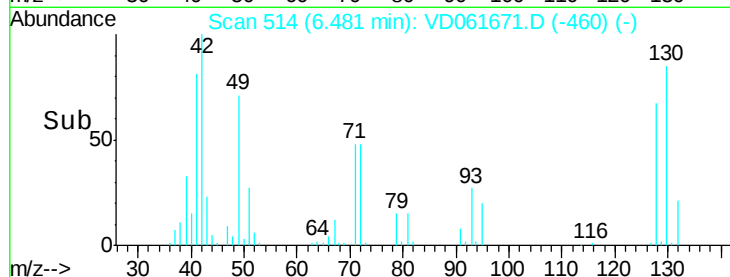
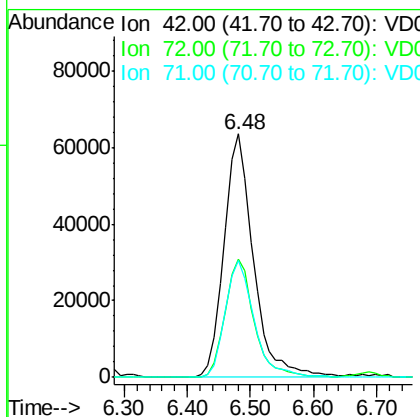
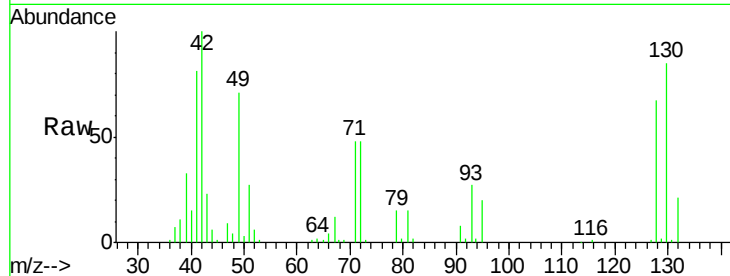
#29
Tetrahydrofuran
Concen: 262.955 ug/l
RT: 6.48 min Scan# 514
Delta R.T. 0.03 min
Lab File: VD061671.D
Acq: 9 Apr 2019 13:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.7	37.0	55.6
71	47.4	36.5	54.7

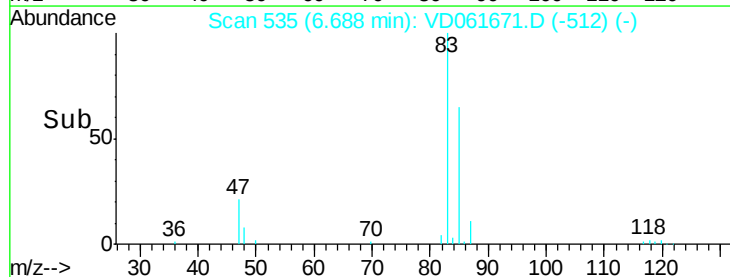
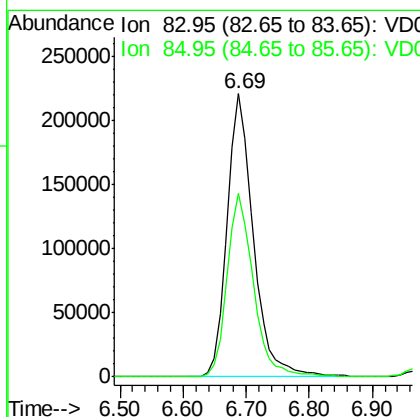
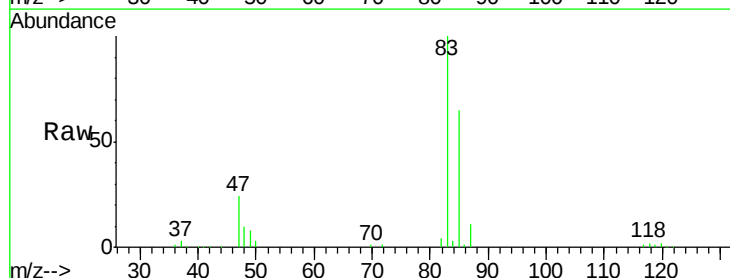
Manual Integrations
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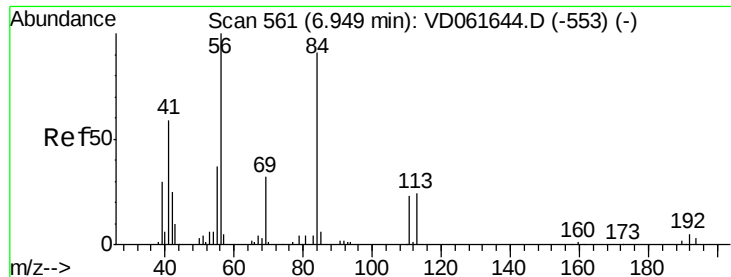
MMDadoda
4/11/2019 2:59:59 AM



#30
Chloroform
Concen: 53.596 ug/l
RT: 6.69 min Scan# 535
Delta R.T. 0.02 min
Lab File: VD061671.D
Acq: 9 Apr 2019 13:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.9	77.9





#31

Cvclohexane

Concen: 52.185 ug/l

RT: 6.98 min Scan# 565

Delta R.T. 0.03 min

Lab File: VD061671.D

Acq: 9 Apr 2019 13:11

Instrument :

MSVOA_D

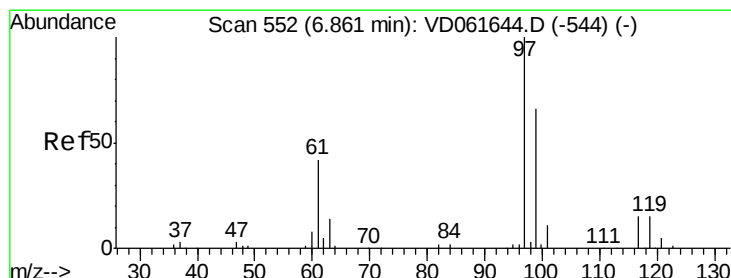
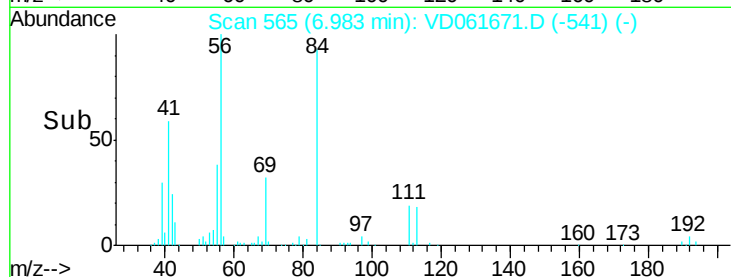
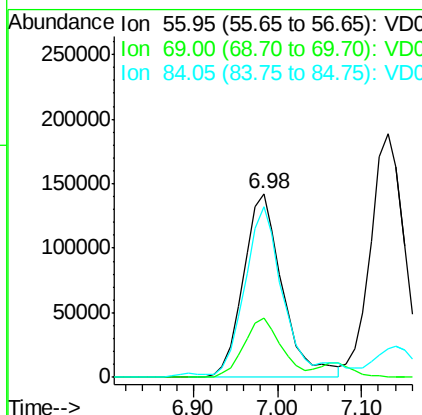
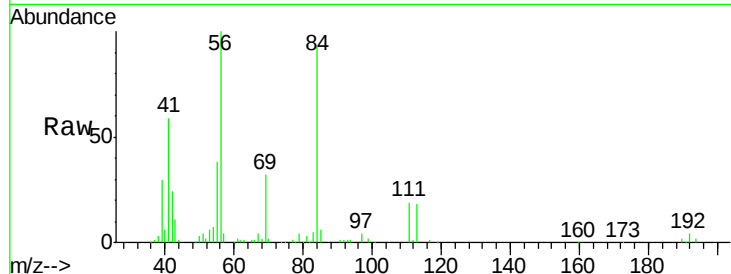
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	461223
Ion	Ratio	Lower	Upper
56	100		
69	32.5	25.8	38.6
84	93.1	74.2	111.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 53.889 ug/l

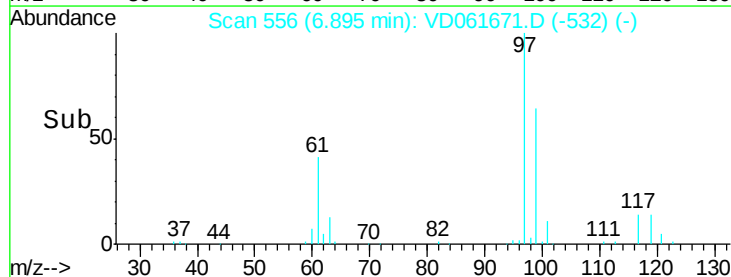
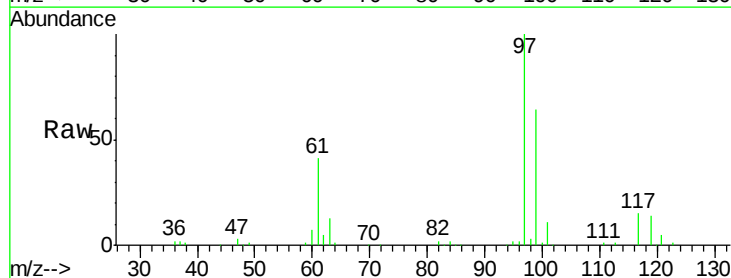
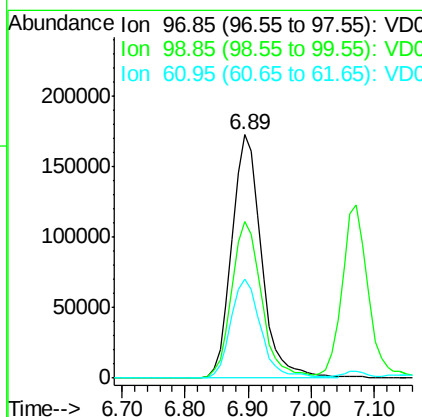
RT: 6.89 min Scan# 556

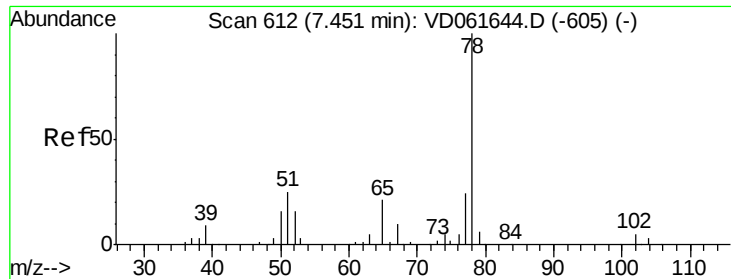
Delta R.T. 0.03 min

Lab File: VD061671.D

Acq: 9 Apr 2019 13:11

Tgt Ion:	97	Resp:	559680
Ion	Ratio	Lower	Upper
97	100		
99	64.3	52.5	78.7
61	40.6	33.4	50.0





#33

1,2-Dichloroethane-d4

Concen: 53.889 ug/l

RT: 7.48 min Scan# 615

Delta R.T. 0.02 min

Lab File: VD061671.D

Acq: 9 Apr 2019 13:11

Tot Ion: 65 Resp: 233228

Ion Ratio Lower Upper

65 100

67 53.5 0.0 99.4

Instrument :

MSVOA_D

ClientSampleId :

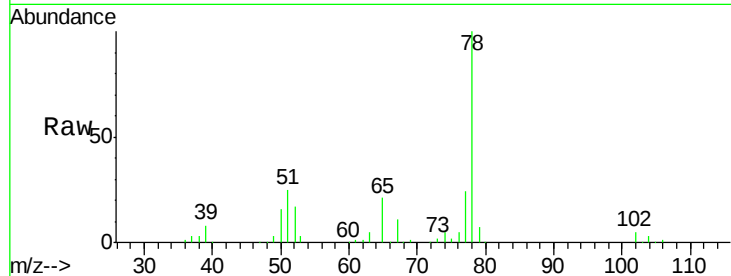
VSTDCCC050

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4/11/2019 2:59:59 AM



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.48

80000

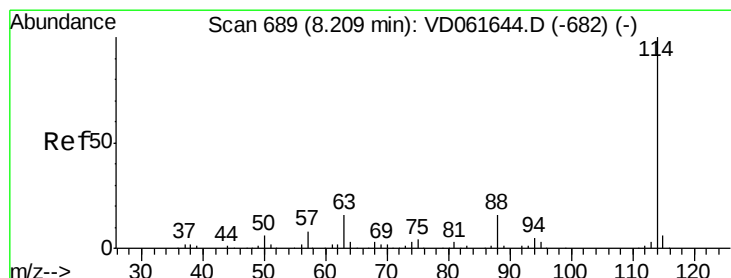
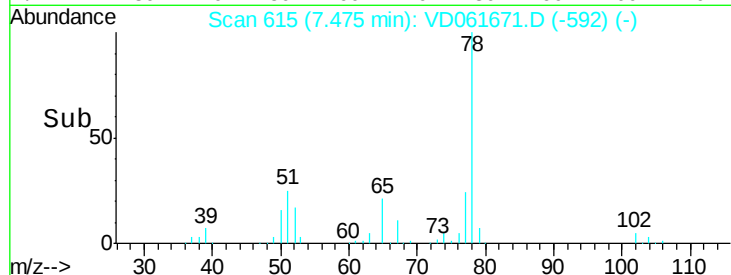
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.24 min Scan# 693

Delta R.T. 0.03 min

Lab File: VD061671.D

Acq: 9 Apr 2019 13:11

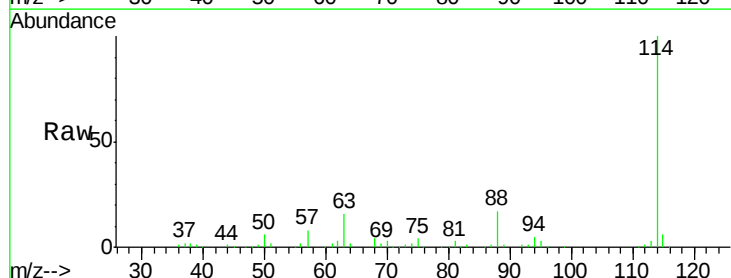
Tgt Ion: 114 Resp: 975435

Ion Ratio Lower Upper

114 100

63 15.7 0.0 31.2

88 16.5 0.0 31.8



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

8.24

500000

400000

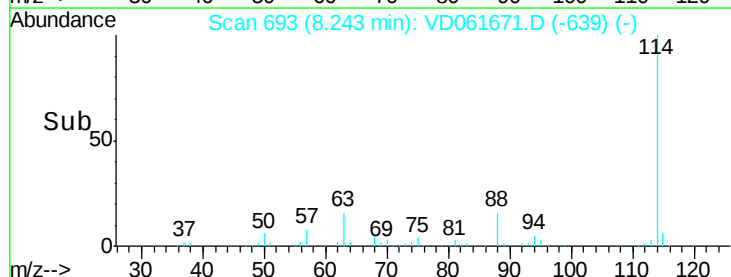
300000

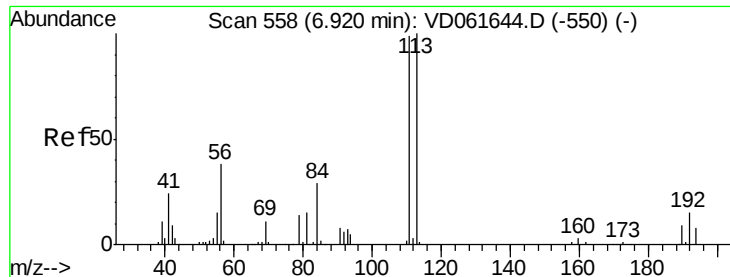
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.94 min Scan# 561

Delta R.T. 0.02 min

Lab File: VD061671.D

Acq: 9 Apr 2019 13:11

Instrument :

MSVOA_D

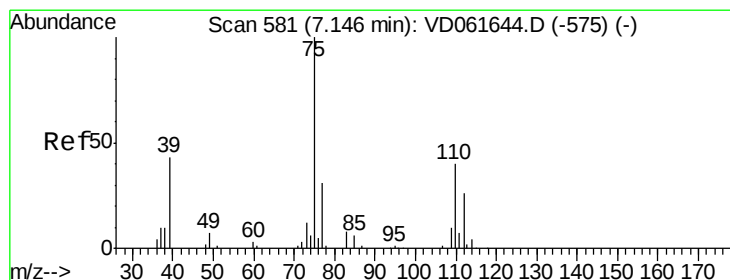
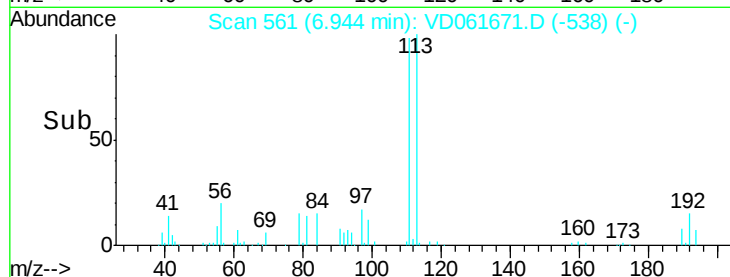
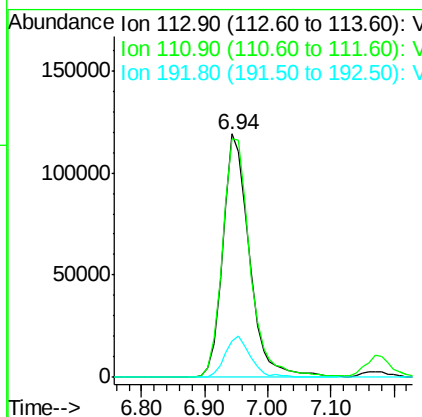
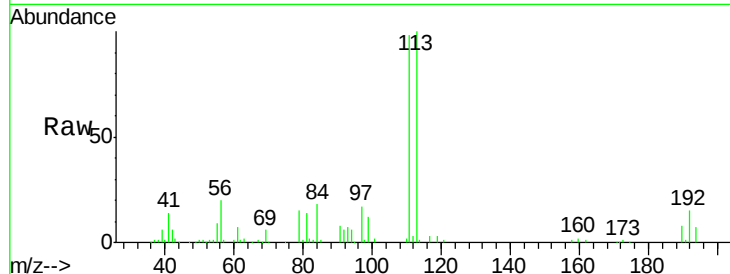
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	346685
Ion	Ratio	Lower	Upper
113	100		
111	97.7	79.3	118.9
192	15.0	12.3	18.5

Manual Integrations
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4/11/2019 2:59:59 AM



#36

1,1-Dichloropropene

Concen: 50.860 ug/l

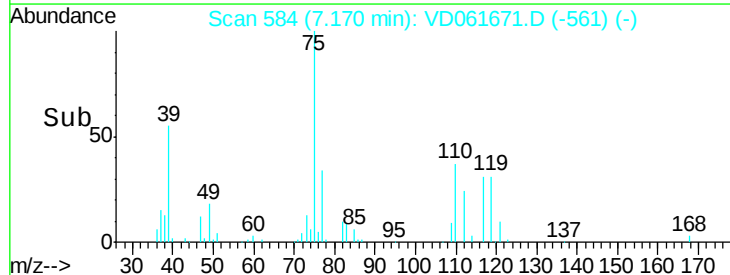
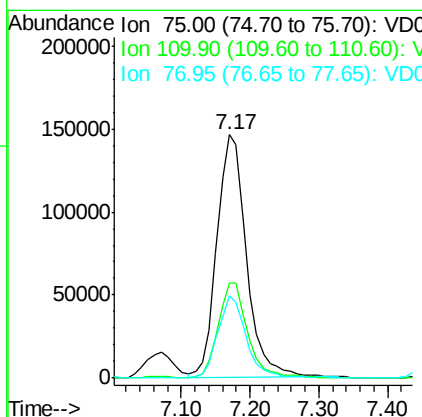
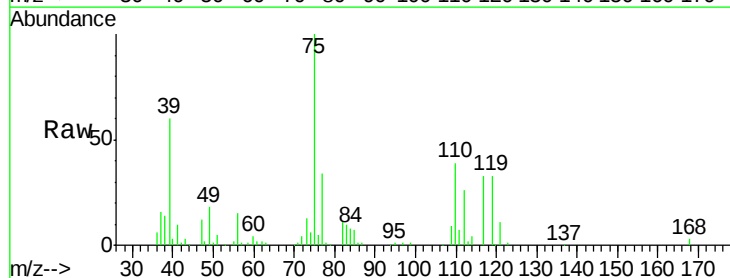
RT: 7.17 min Scan# 584

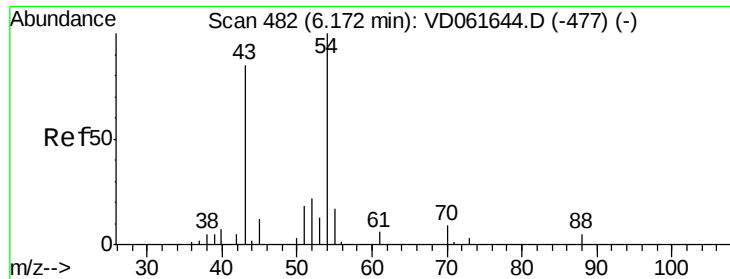
Delta R.T. 0.02 min

Lab File: VD061671.D

Acq: 9 Apr 2019 13:11

Tgt Ion:	75	Resp:	434183
Ion	Ratio	Lower	Upper
75	100		
110	38.9	19.7	59.0
77	33.7	24.8	37.2





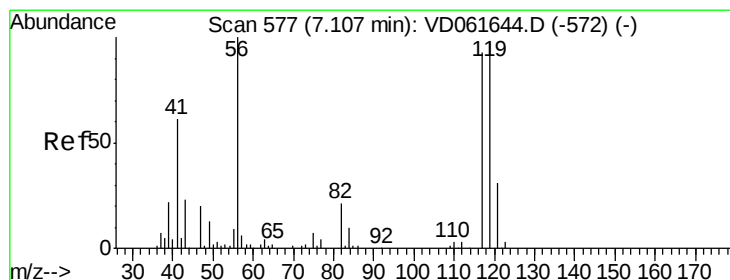
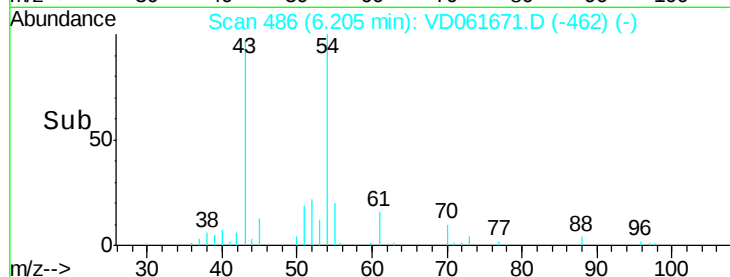
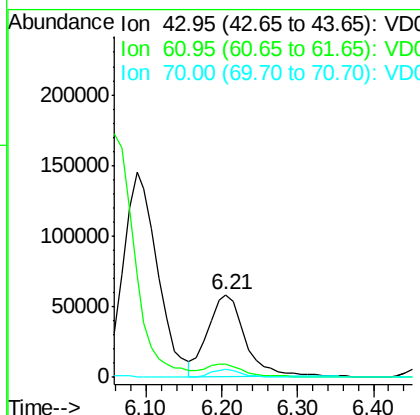
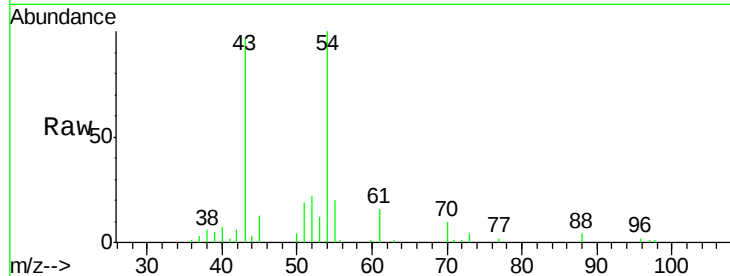
#37
Ethyl Acetate
Concen: 57.029 ug/l
RT: 6.21 min Scan# 486
Delta R.T. 0.03 min
Lab File: VD061671.D
Acq: 9 Apr 2019 13:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.9	11.9	17.9
70	10.4	6.9	10.3

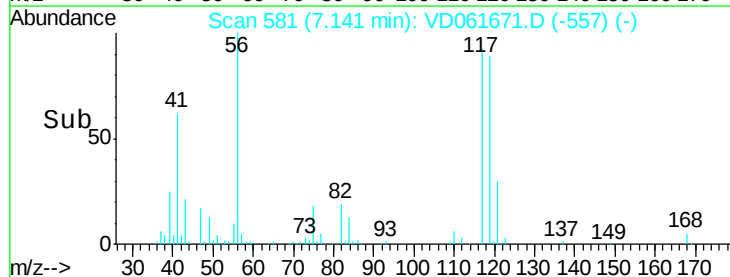
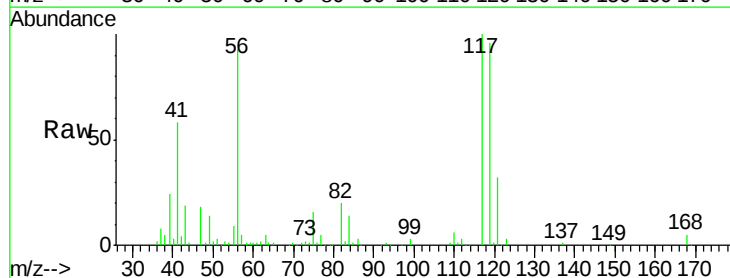
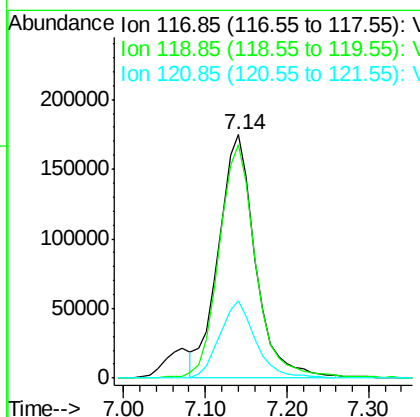
Manual Integrations
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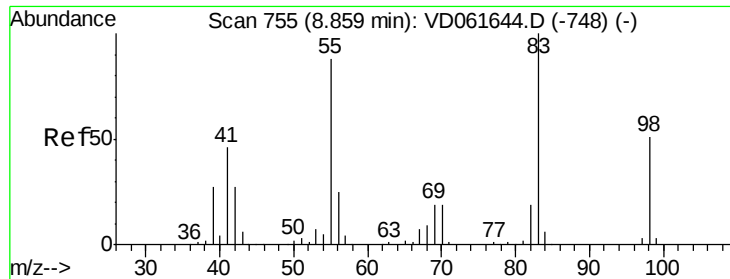
MMDadoda
4/11/2019 2:59:59 AM



#38
Carbon Tetrachloride
Concen: 54.880 ug/l m
RT: 7.14 min Scan# 581
Delta R.T. 0.03 min
Lab File: VD061671.D
Acq: 9 Apr 2019 13:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.0	77.9	116.9
121	31.8	24.7	37.1





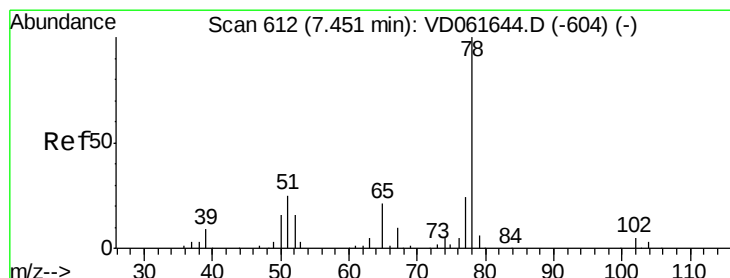
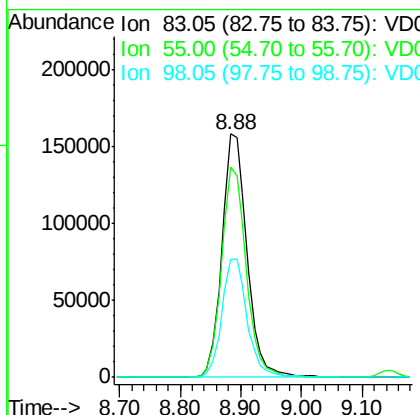
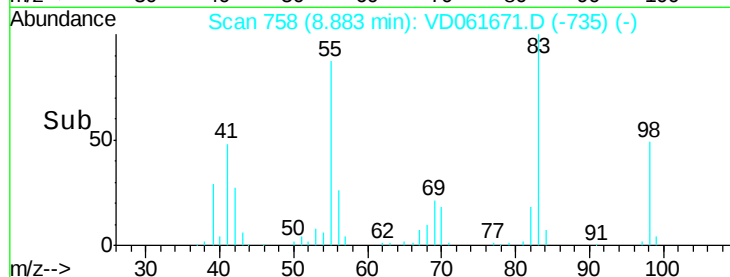
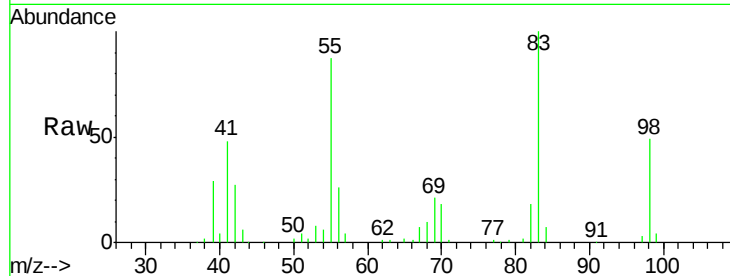
#39
Methvlcvclohexane
Concen: 51.838 ug/l
RT: 8.88 min Scan# 758
Delta R.T. 0.02 min
Lab File: VD061671.D
Acq: 9 Apr 2019 13:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 454333
Ion Ratio Lower Upper
83 100
55 86.5 70.3 105.5
98 48.5 41.0 61.6

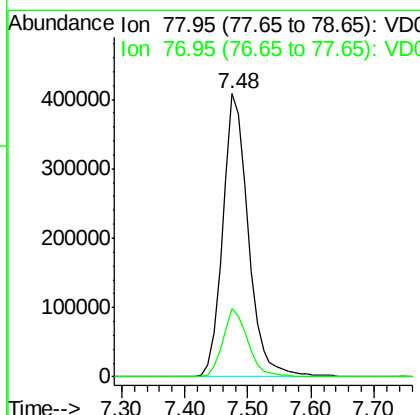
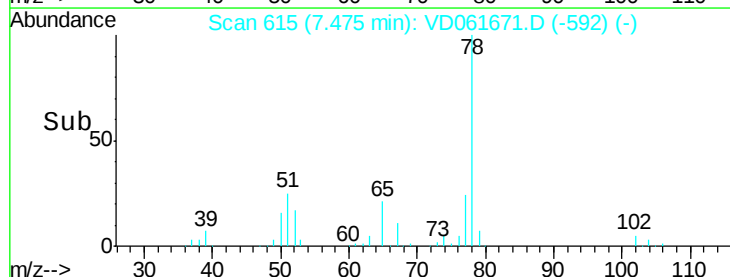
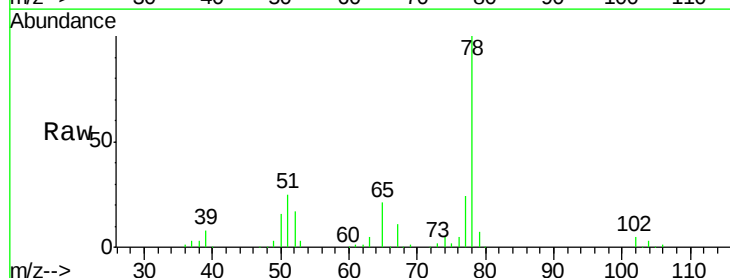
Manual Integrations
APPROVED

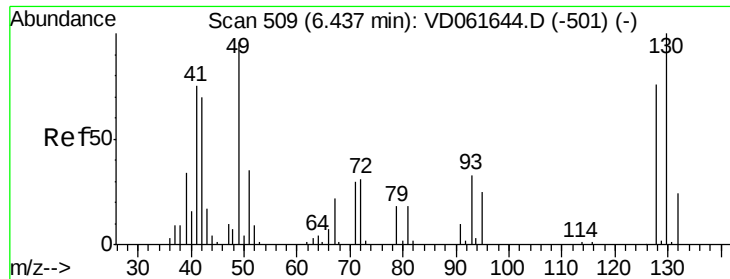
MMDadoda
4/11/2019 2:59:59 AM



#40
Benzene
Concen: 55.849 ug/l
RT: 7.48 min Scan# 615
Delta R.T. 0.02 min
Lab File: VD061671.D
Acq: 9 Apr 2019 13:11

Tgt Ion: 78 Resp: 1150215
Ion Ratio Lower Upper
78 100
77 24.1 19.5 29.3





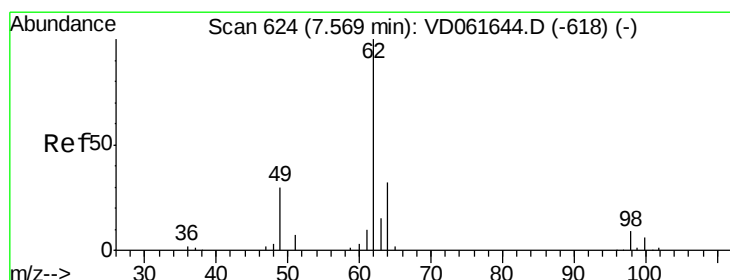
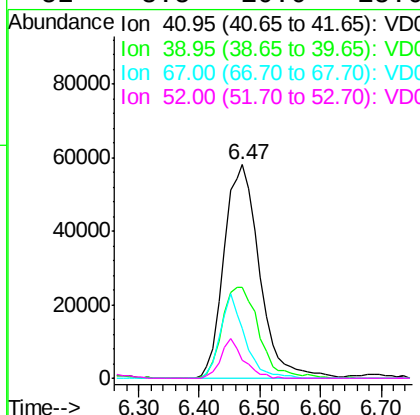
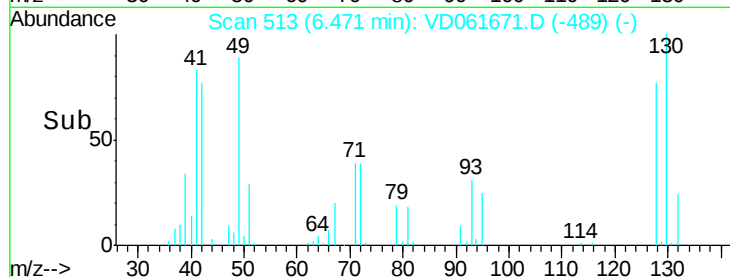
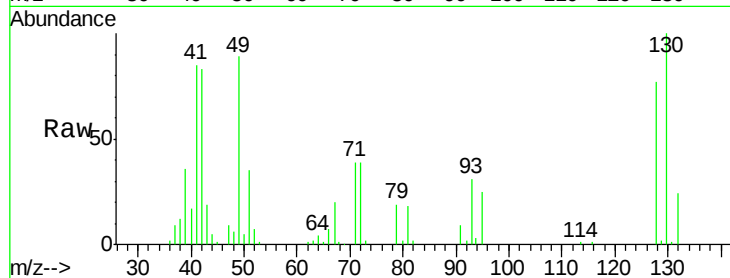
#41
Methacrylonitrile
Concen: 58.276 ug/l
RT: 6.47 min Scan# 513
Delta R.T. 0.03 min
Lab File: VD061671.D
Acq: 9 Apr 2019 13:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	42.5	36.2	54.2
67	23.4	23.2	34.8
52	8.5	10.0	15.0

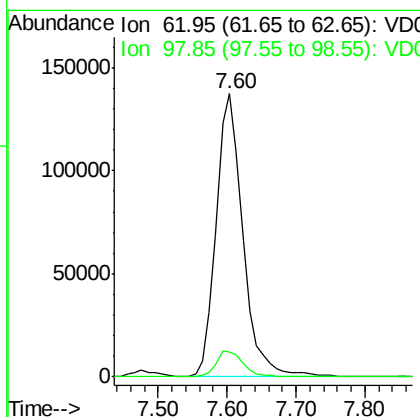
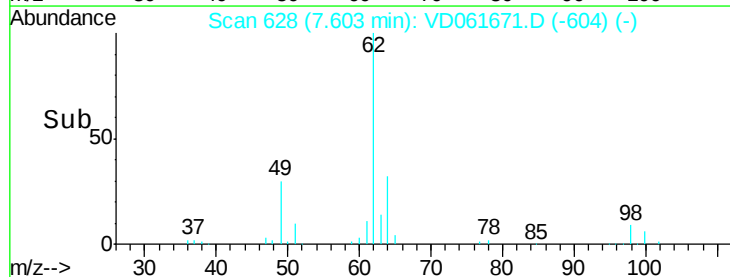
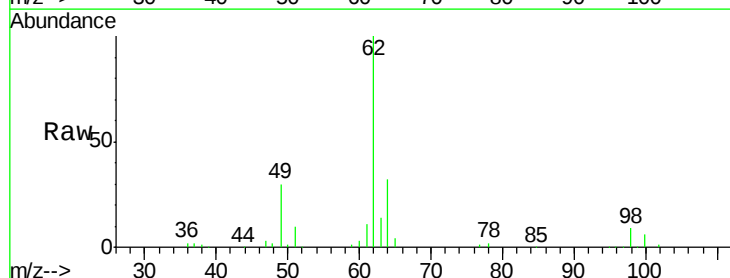
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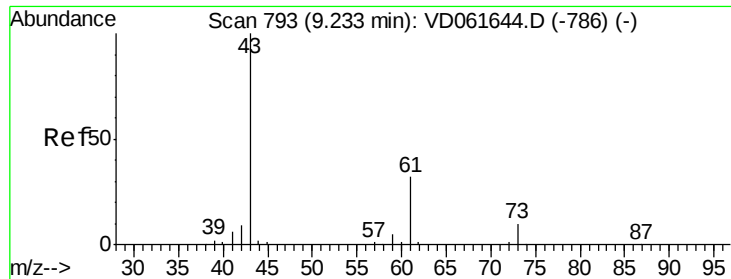
MMDadoda
4/11/2019 2:59:59 AM



#42
1,2-Dichloroethane
Concen: 57.173 ug/l
RT: 7.60 min Scan# 628
Delta R.T. 0.03 min
Lab File: VD061671.D
Acq: 9 Apr 2019 13:11

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.8





#43

Isopropyl Acetate

Concen: 54.728 ug/l

RT: 9.26 min Scan# 796

Delta R.T. 0.02 min

Lab File: VD061671.D

Acq: 9 Apr 2019 13:11

Instrument :

MSVOA_D

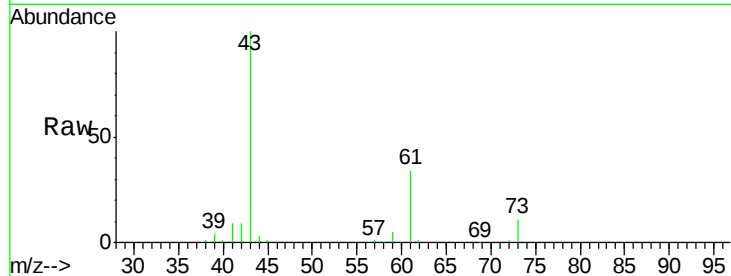
ClientSampleId :

VSTDCCC050

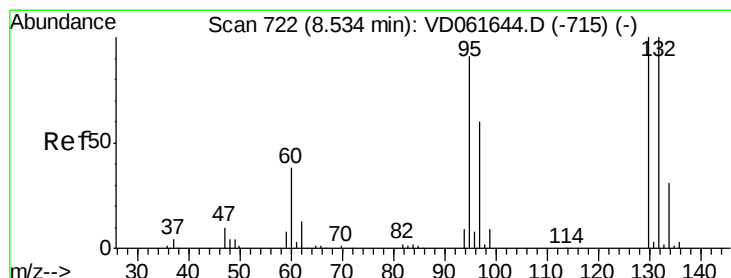
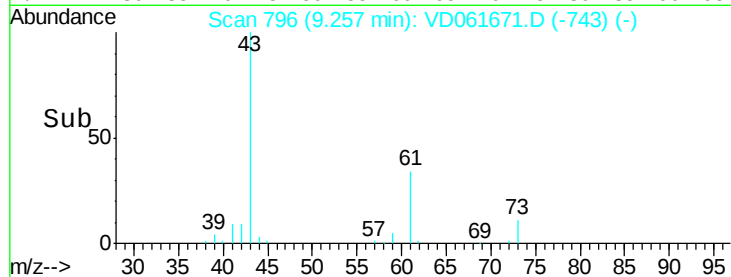
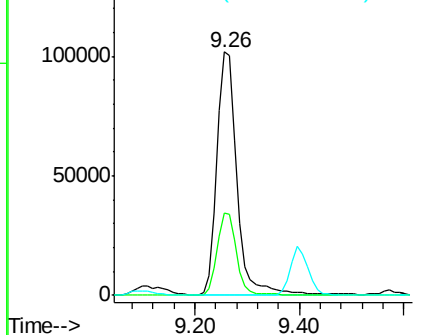
Tot Ion:	43	Resp:	276179
Ion	Ratio	Lower	Upper
43	100		
61	34.0	25.9	38.9
87	0.0	0.2	0.4

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Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 53.642 ug/l

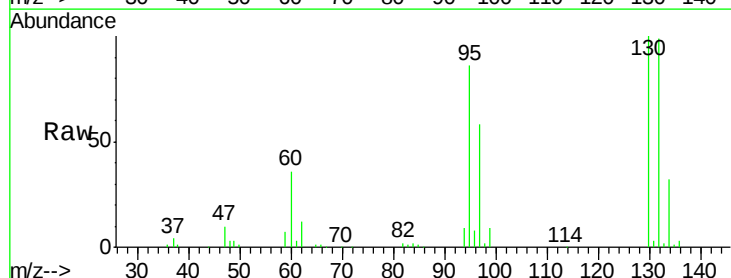
RT: 8.57 min Scan# 726

Delta R.T. 0.03 min

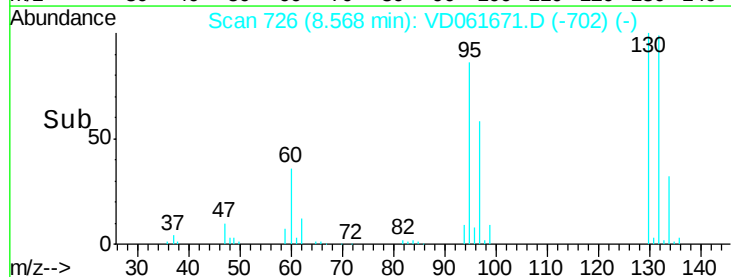
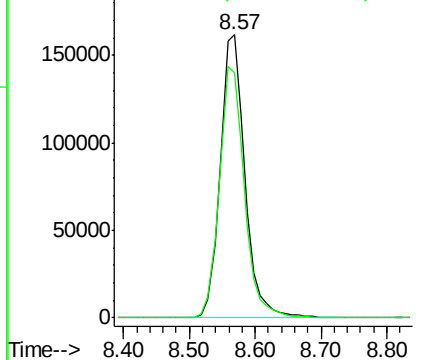
Lab File: VD061671.D

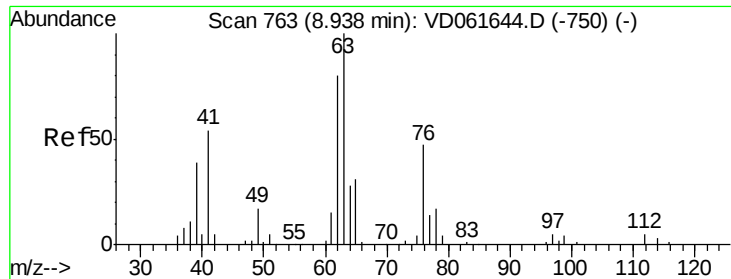
Acq: 9 Apr 2019 13:11

Tgt Ion:	130	Resp:	423531
Ion	Ratio	Lower	Upper
130	100		
95	86.4	0.0	181.8



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





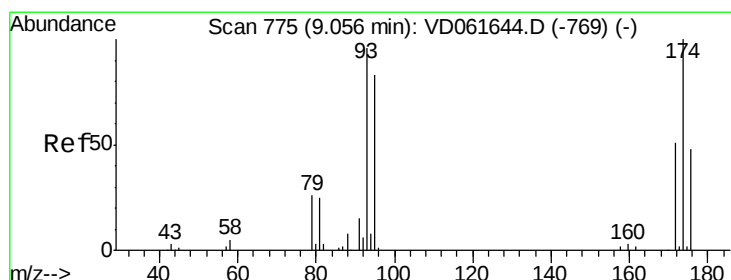
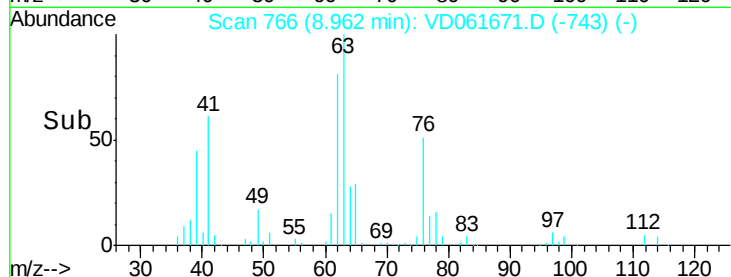
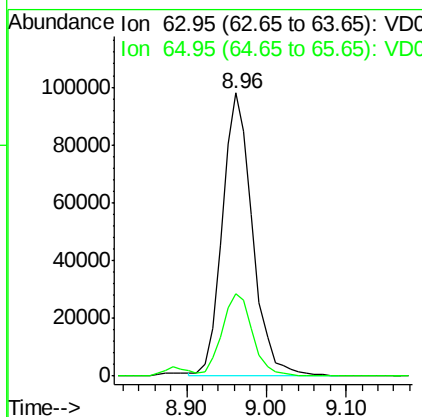
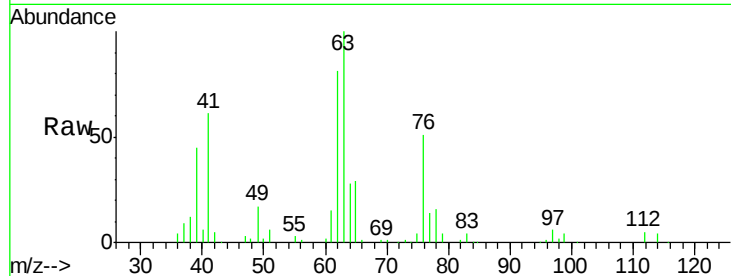
#45
 1,2-Dichloropropane
 Concen: 50.751 ug/l
 RT: 8.96 min Scan# 766
 Delta R.T. 0.02 min
 Lab File: VD061671.D
 Acq: 9 Apr 2019 13:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 259212
 Ion Ratio Lower Upper
 63 100
 65 29.2 24.5 36.7

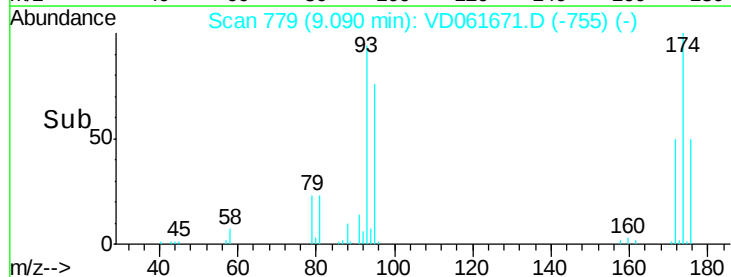
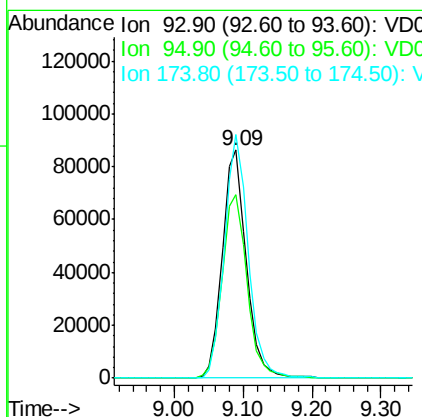
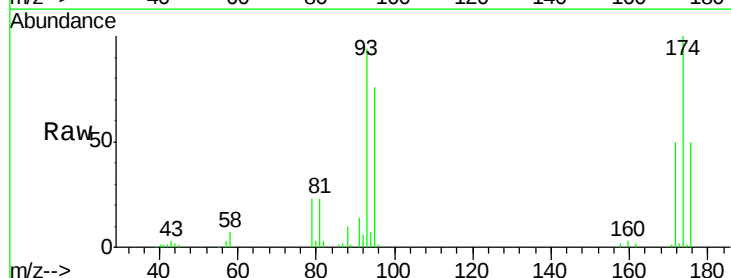
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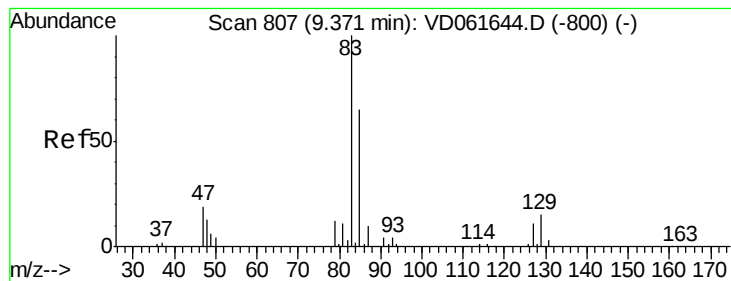
MMDadoda
 4/11/2019 2:59:59 AM



#46
 Dibromomethane
 Concen: 57.013 ug/l
 RT: 9.09 min Scan# 779
 Delta R.T. 0.03 min
 Lab File: VD061671.D
 Acq: 9 Apr 2019 13:11

Tgt Ion: 93 Resp: 208115
 Ion Ratio Lower Upper
 93 100
 95 80.7 68.6 103.0
 174 106.8 83.0 124.4





#47

Bromodichloromethane

Concen: 58.145 ug/l

RT: 9.40 min Scan# 810

Delta R.T. 0.02 min

Lab File: VD061671.D

Acq: 9 Apr 2019 13:11

Instrument :

MSVOA_D

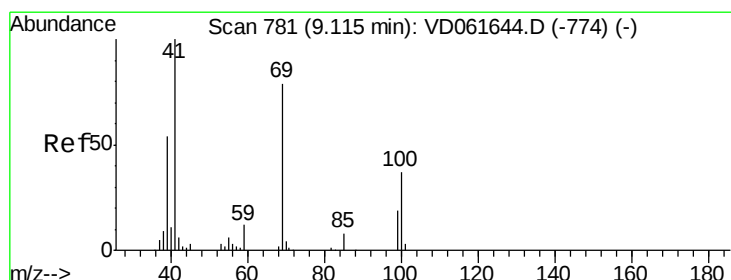
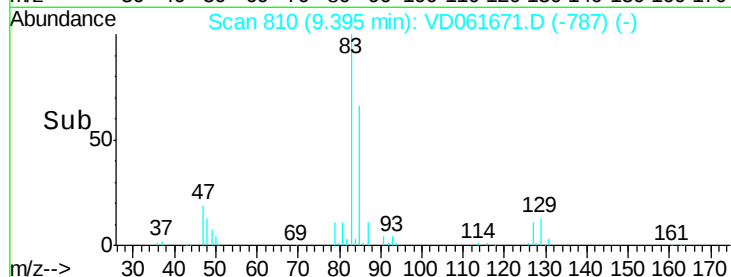
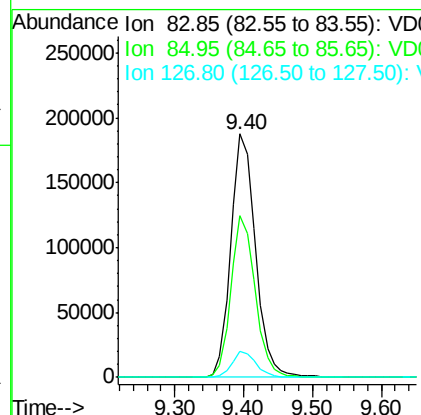
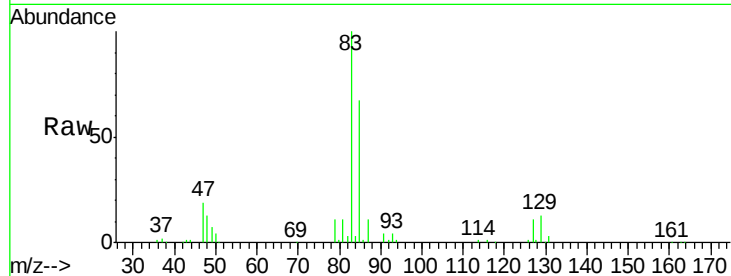
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	466150
Ion	Ratio	Lower	Upper
83	100		
85	66.6	51.8	77.6
127	10.7	9.0	13.6

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#48

Methyl methacrylate

Concen: 55.826 ug/l

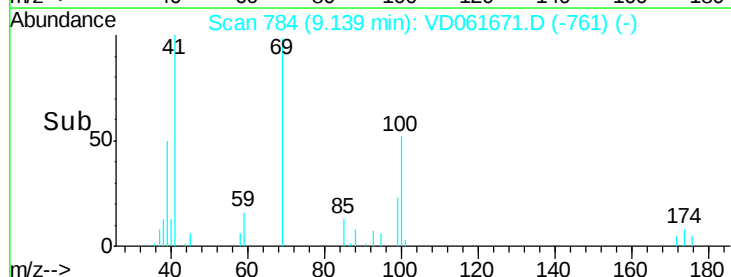
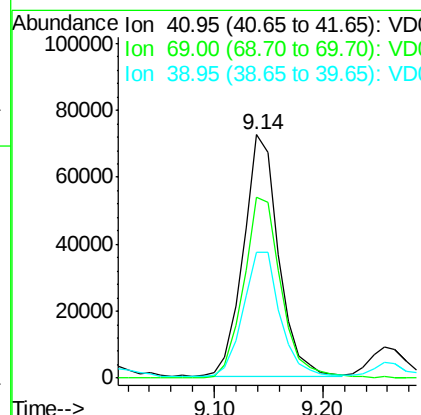
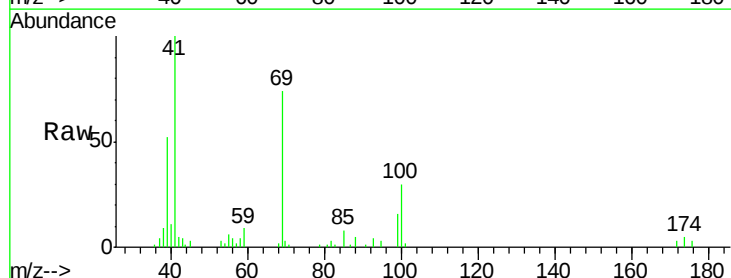
RT: 9.14 min Scan# 784

Delta R.T. 0.02 min

Lab File: VD061671.D

Acq: 9 Apr 2019 13:11

Tgt Ion:	41	Resp:	162393
Ion	Ratio	Lower	Upper
41	100		
69	74.2	63.1	94.7
39	51.7	43.8	65.8





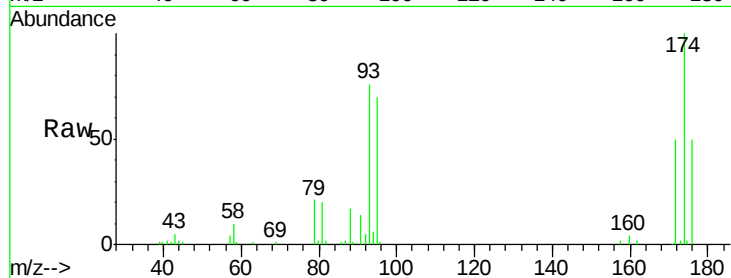
#49
1,4-Dioxane
Concen: 1153.560 ug/l
RT: 9.10 min Scan# 780
Delta R.T. 0.02 min
Lab File: VD061671.D
Acq: 9 Apr 2019 13:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

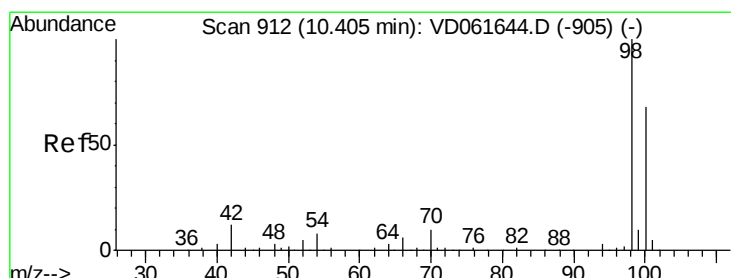
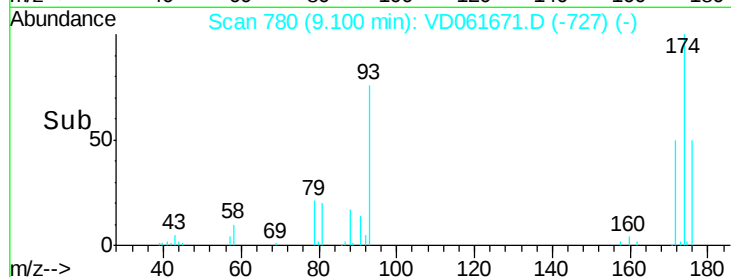
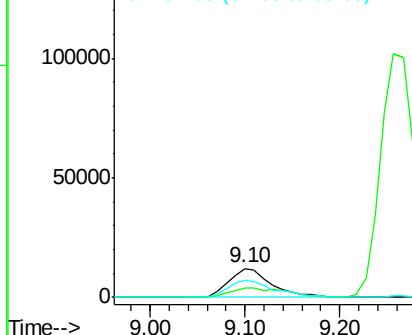
Tot Ion	Ratio	Lower	Upper
88	100		
43	32.6	21.8	32.8
58	57.3	40.2	60.2

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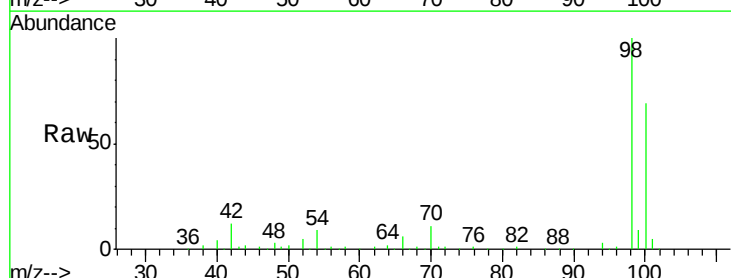


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

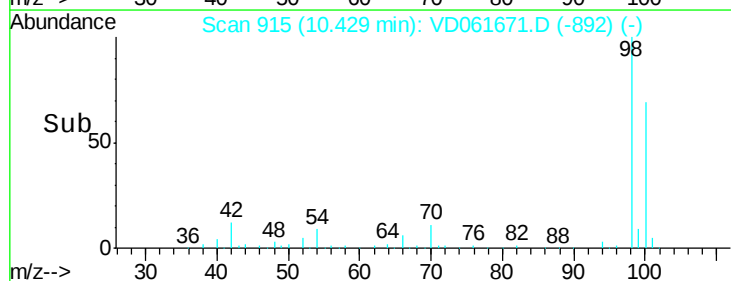
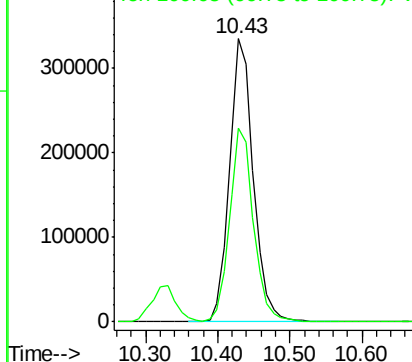


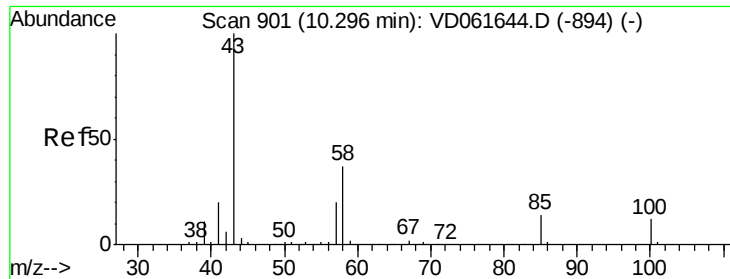
#50
Toluene-d8
Concen: 1153.560 ug/l
RT: 10.43 min Scan# 915
Delta R.T. 0.02 min
Lab File: VD061671.D
Acq: 9 Apr 2019 13:11

Tgt Ion	Ratio	Lower	Upper
98	100		
100	68.7	55.4	83.0



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 281.655 ug/l

RT: 10.32 min Scan# 904

Delta R.T. 0.02 min

Lab File: VD061671.D

Acq: 9 Apr 2019 13:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 840578

Ion Ratio Lower Upper

43 100

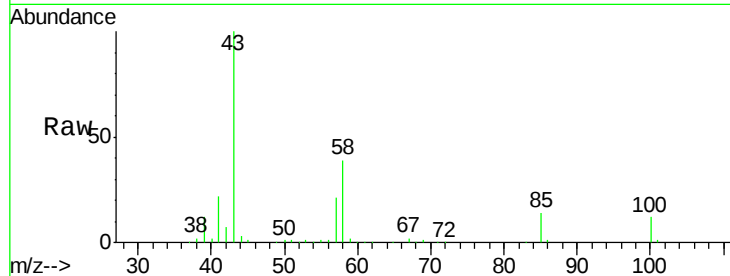
58 38.9 29.8 44.8

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.32

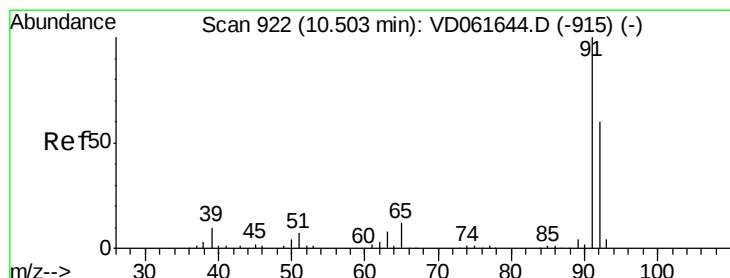
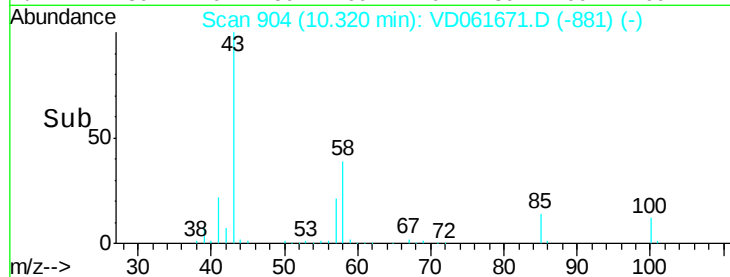
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 51.743 ug/l

RT: 10.53 min Scan# 925

Delta R.T. 0.02 min

Lab File: VD061671.D

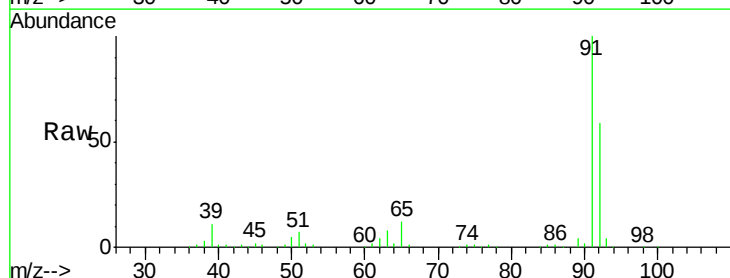
Acq: 9 Apr 2019 13:11

Tgt Ion: 92 Resp: 665439

Ion Ratio Lower Upper

92 100

91 169.5 133.0 199.4



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.53

500000

400000

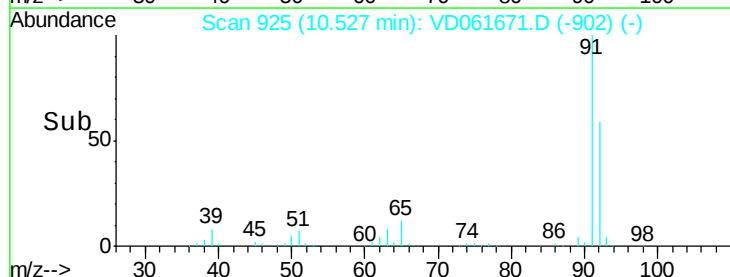
300000

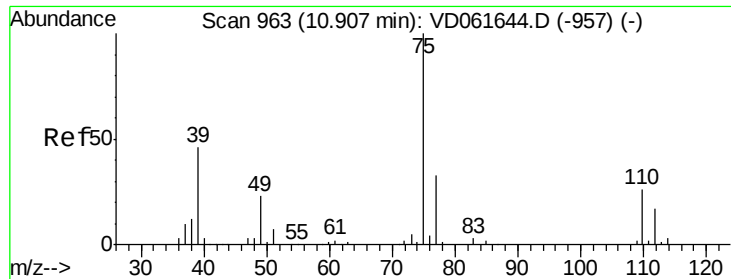
200000

100000

0

Time-->





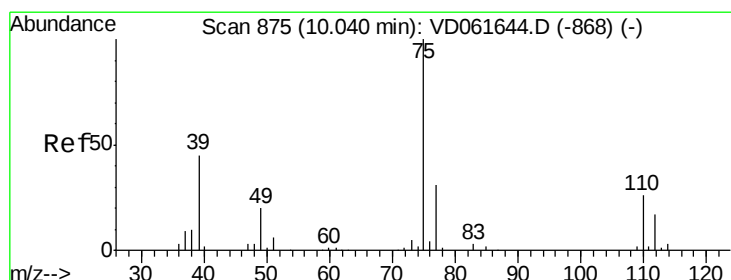
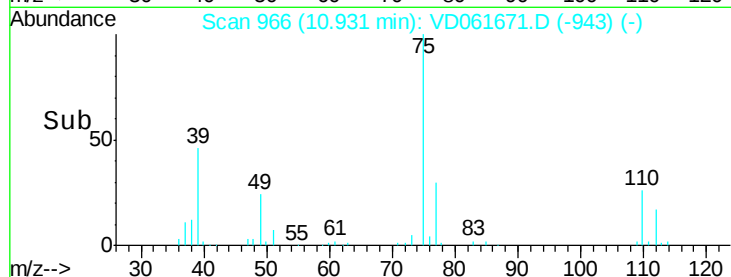
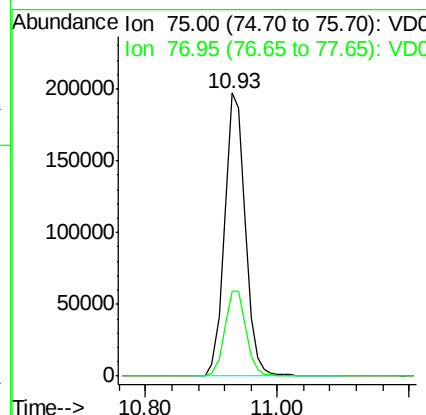
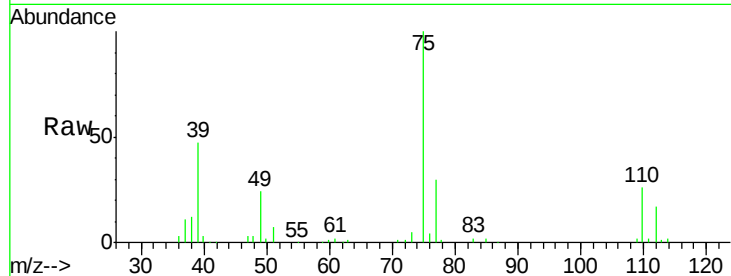
#53
t-1,3-Dichloropropene
Concen: 61.445 ug/l
RT: 10.93 min Scan# 966
Delta R.T. 0.02 min
Lab File: VD061671.D
Acq: 9 Apr 2019 13:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 431808
Ion Ratio Lower Upper
75 100
77 30.1 26.2 39.2

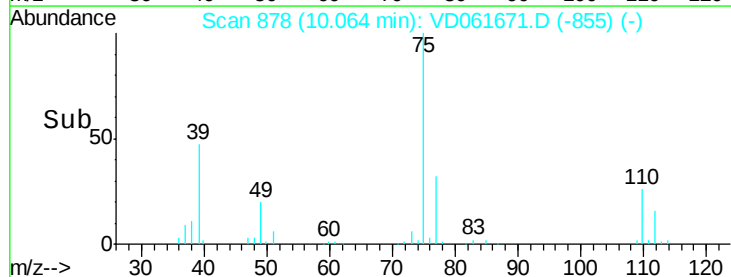
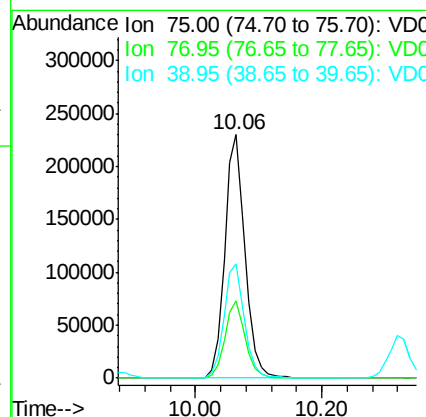
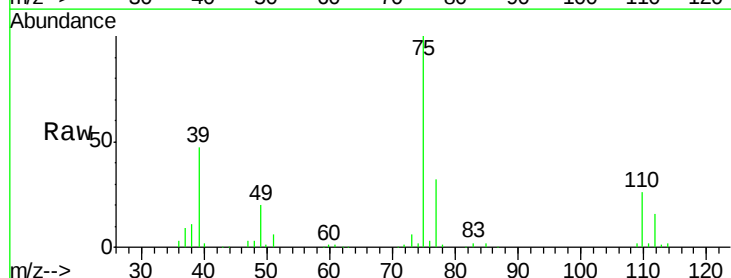
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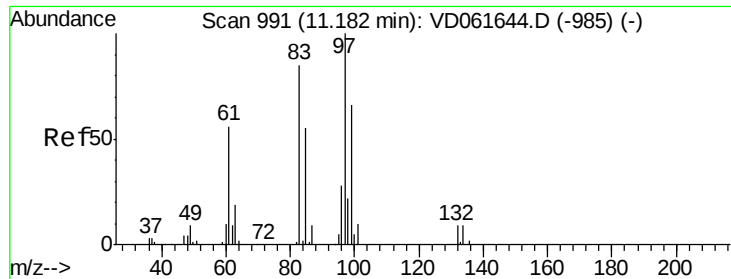
MMDadoda
4/11/2019 2:59:59 AM



#54
cis-1,3-Dichloropropene
Concen: 59.204 ug/l
RT: 10.06 min Scan# 878
Delta R.T. 0.02 min
Lab File: VD061671.D
Acq: 9 Apr 2019 13:11

Tgt Ion: 75 Resp: 512888
Ion Ratio Lower Upper
75 100
77 31.6 24.6 37.0
39 47.0 36.2 54.2





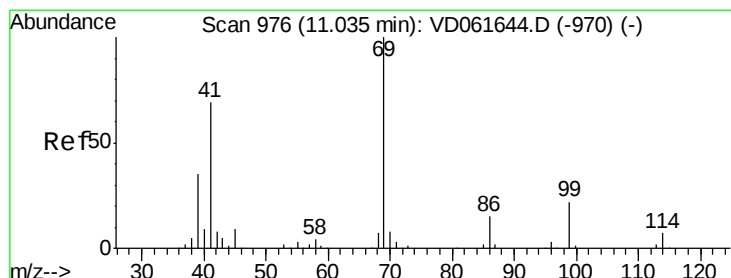
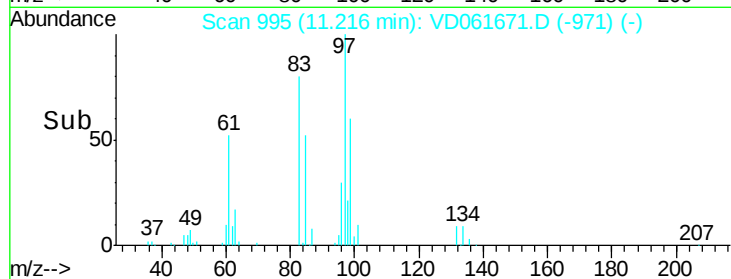
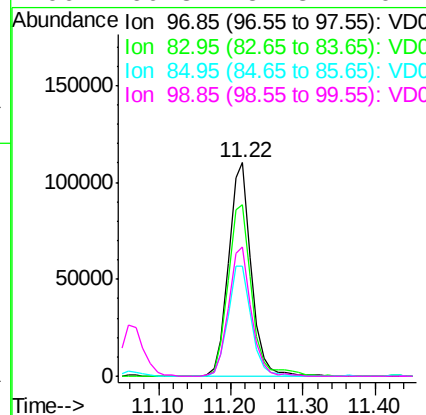
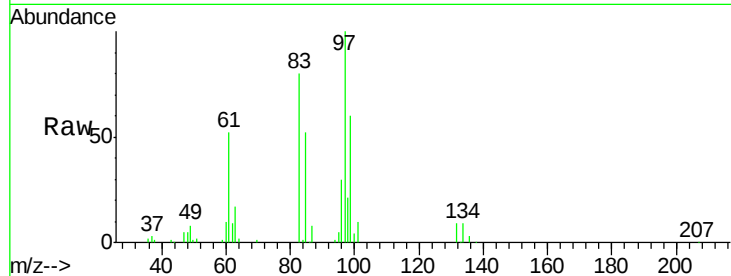
#55
 1,1,2-Trichloroethane
 Concen: 54.801 ug/l
 RT: 11.22 min Scan# 995
 Delta R.T. 0.03 min
 Lab File: VD061671.D
 Acq: 9 Apr 2019 13:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	237694
Ion	Ratio	Lower	Upper
97	100		
83	80.2	67.8	101.6
85	51.8	43.8	65.8
99	60.3	52.8	79.2

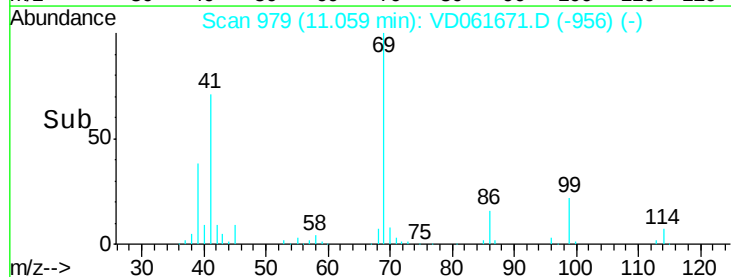
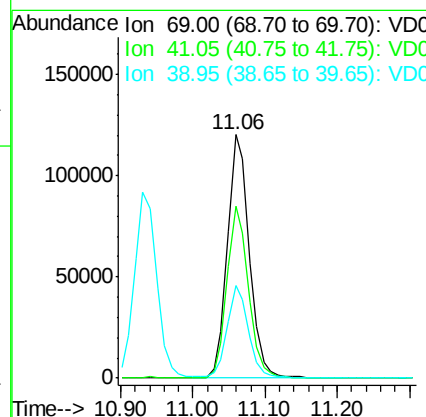
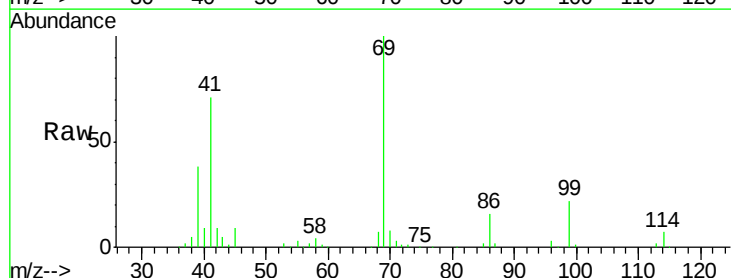
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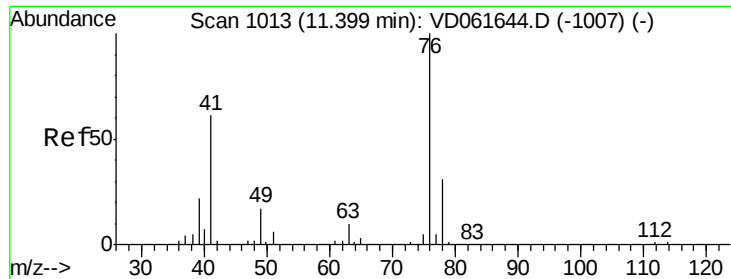
MMDadoda
 4/11/2019 2:59:59 AM



#56
 Ethyl methacrylate
 Concen: 55.070 ug/l
 RT: 11.06 min Scan# 979
 Delta R.T. 0.02 min
 Lab File: VD061671.D
 Acq: 9 Apr 2019 13:11

Tgt Ion:	69	Resp:	251986
Ion	Ratio	Lower	Upper
69	100		
41	70.5	55.2	82.8
39	38.0	28.6	43.0





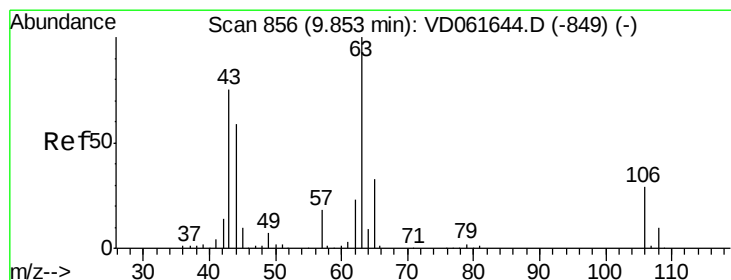
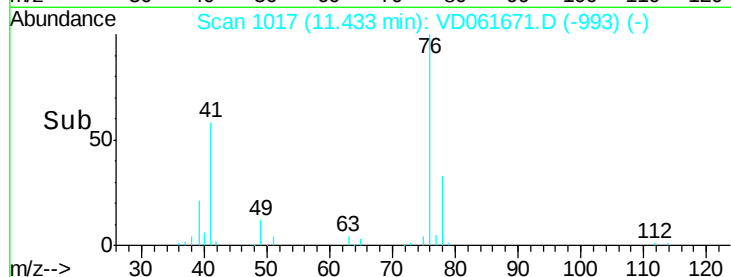
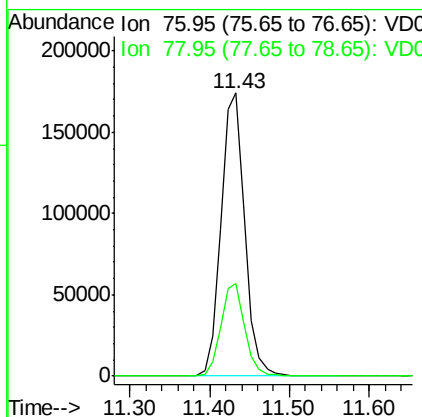
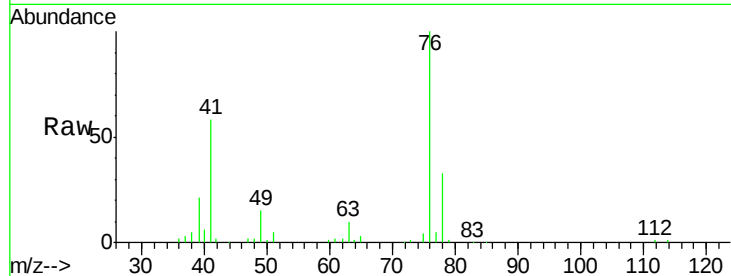
#57
 1,3-Dichloropropane
 Concen: 57.493 ug/l
 RT: 11.43 min Scan# 1017
 Delta R.T. 0.03 min
 Lab File: VD061671.D
 Acq: 9 Apr 2019 13:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 365197
 Ion Ratio Lower Upper
 76 100
 78 32.6 24.5 36.7

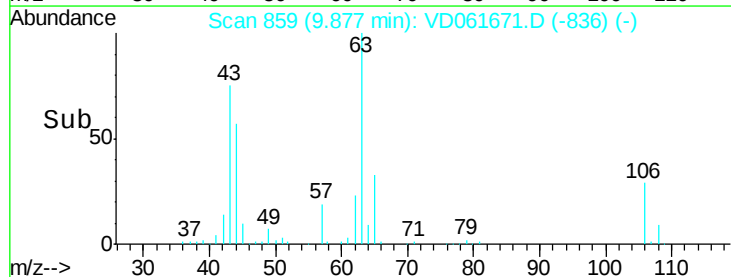
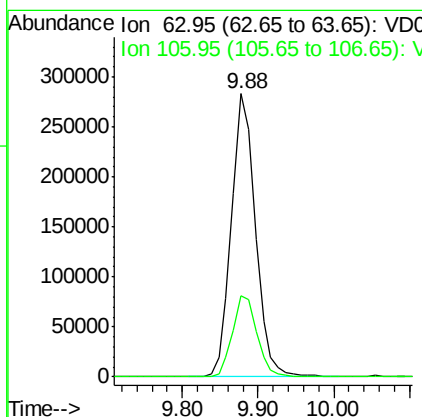
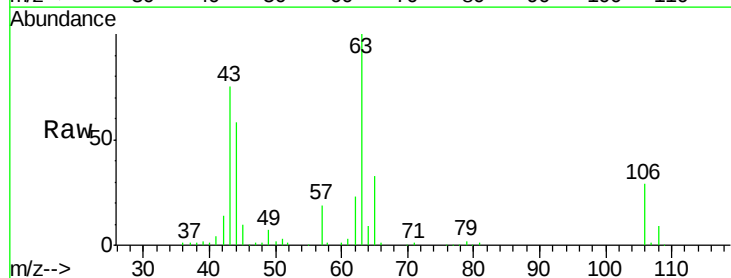
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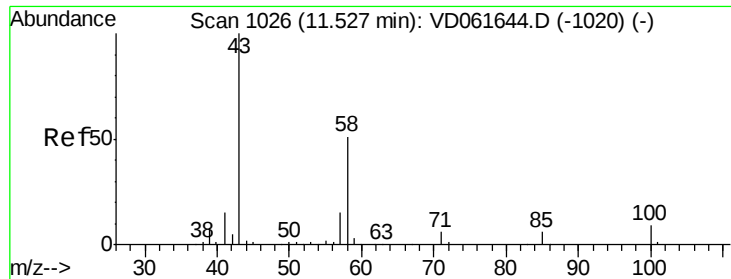
MMDadoda
 4/11/2019 2:59:59 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 287.577 ug/l
 RT: 9.88 min Scan# 859
 Delta R.T. 0.02 min
 Lab File: VD061671.D
 Acq: 9 Apr 2019 13:11

Tgt Ion: 63 Resp: 620884
 Ion Ratio Lower Upper
 63 100
 106 28.7 23.0 34.6





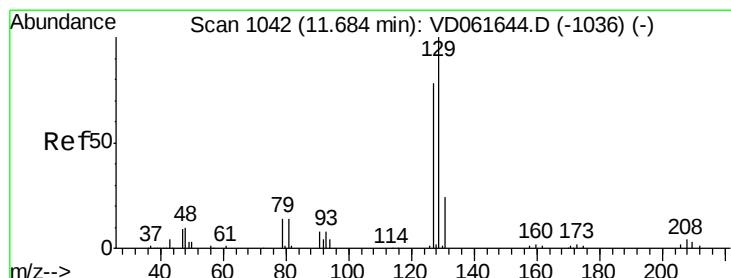
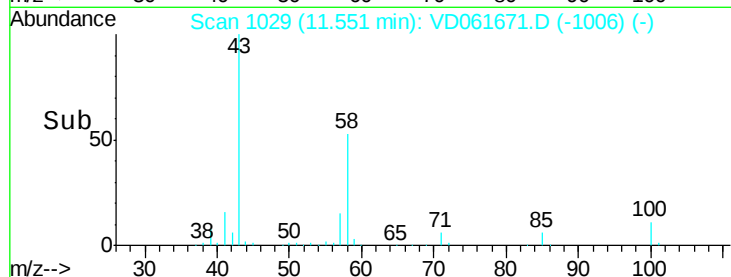
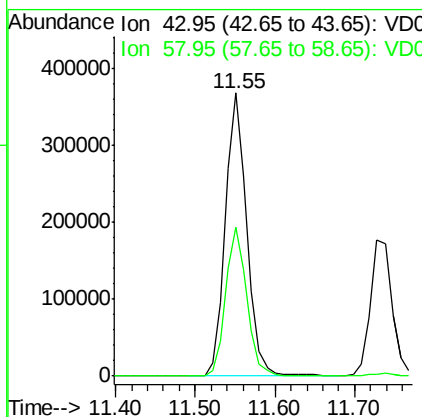
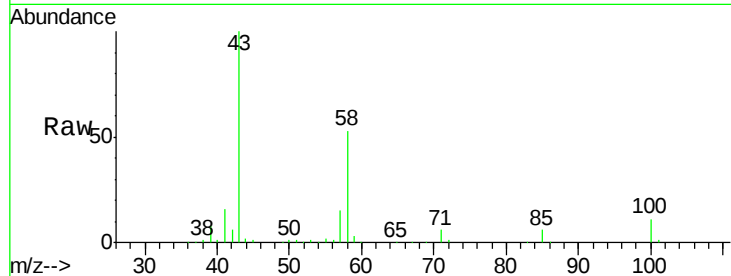
#59
2-Hexanone
Concen: 301.390 ug/l
RT: 11.55 min Scan# 1029
Delta R.T. 0.02 min
Lab File: VD061671.D
Acq: 9 Apr 2019 13:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 698065
Ion Ratio Lower Upper
43 100
58 52.8 25.6 76.8

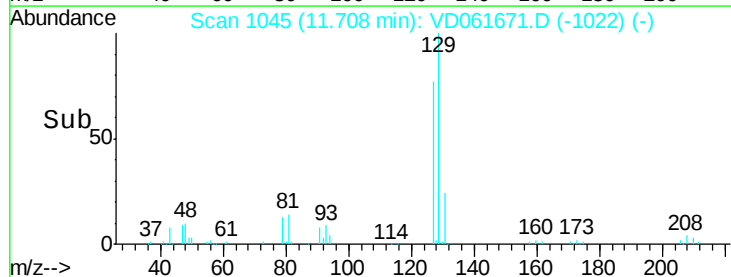
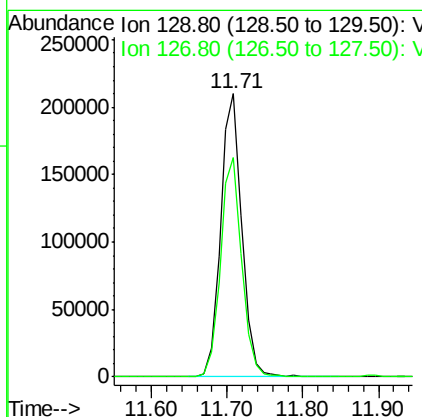
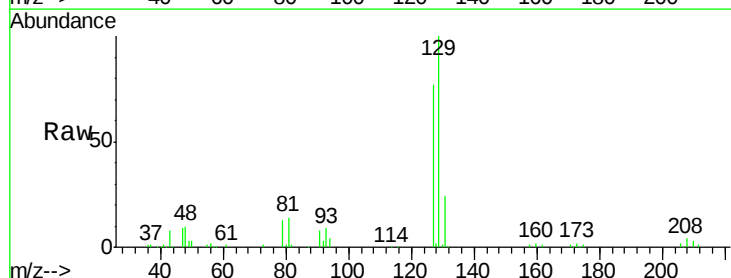
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#60
Dibromochloromethane
Concen: 59.506 ug/l
RT: 11.71 min Scan# 1045
Delta R.T. 0.02 min
Lab File: VD061671.D
Acq: 9 Apr 2019 13:11

Tgt Ion: 129 Resp: 407781
Ion Ratio Lower Upper
129 100
127 77.4 38.8 116.4





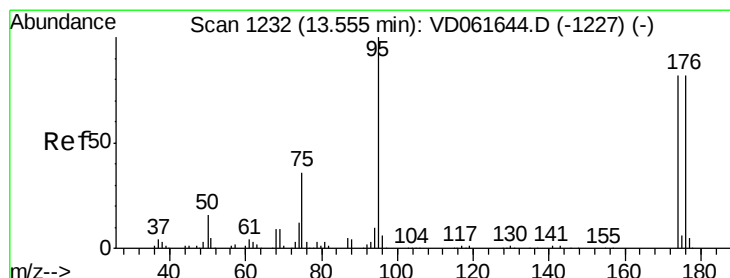
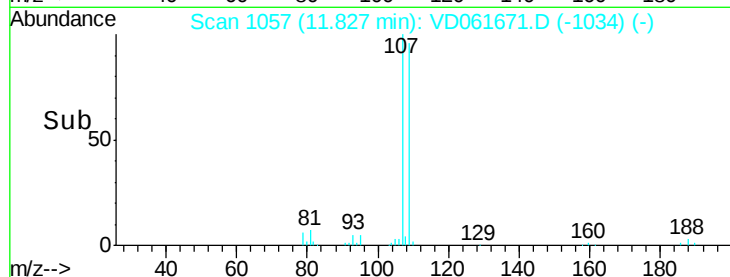
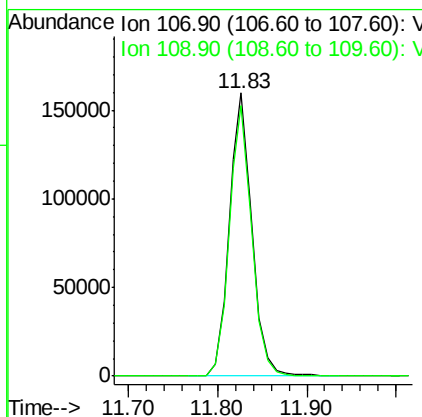
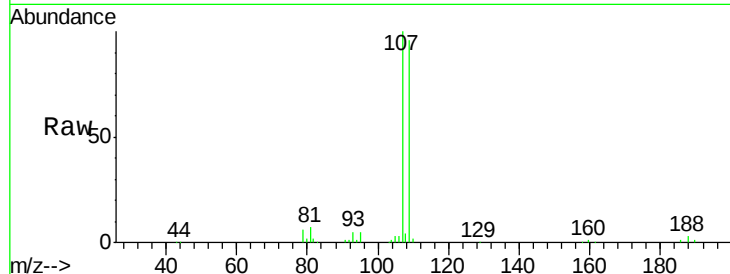
#61
 1,2-Dibromoethane
 Concen: 56.216 ug/l
 RT: 11.83 min Scan# 1057
 Delta R.T. 0.02 min
 Lab File: VD061671.D
 Acq: 9 Apr 2019 13:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	285154		
109	95.5	79.2	118.8	

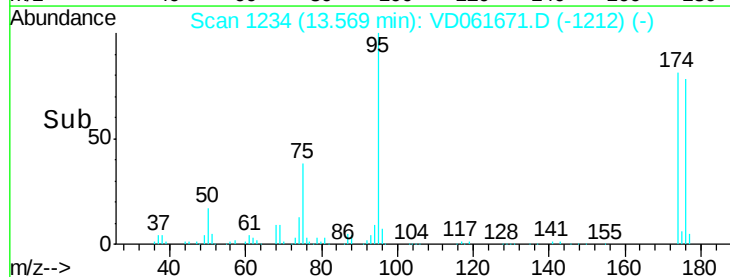
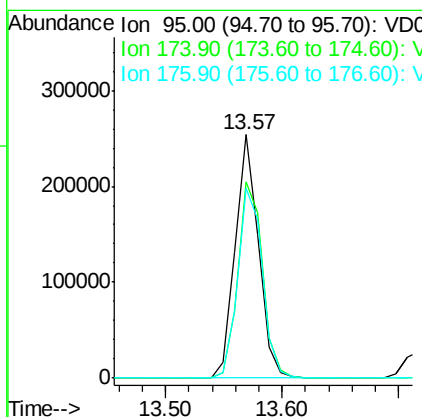
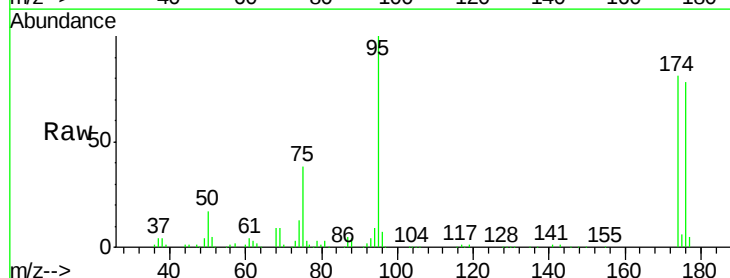
Manual Integrations
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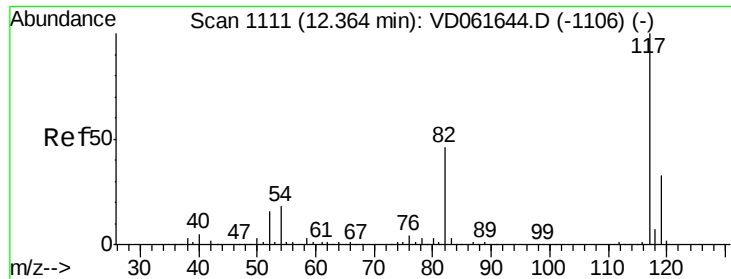
MMDadoda
 4/11/2019 2:59:59 AM



#62
 4-Bromofluorobenzene
 Concen: 56.216 ug/l
 RT: 13.57 min Scan# 1234
 Delta R.T. 0.02 min
 Lab File: VD061671.D
 Acq: 9 Apr 2019 13:11

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	350648		
174	80.6	0.0	164.6	
176	78.2	0.0	165.0	





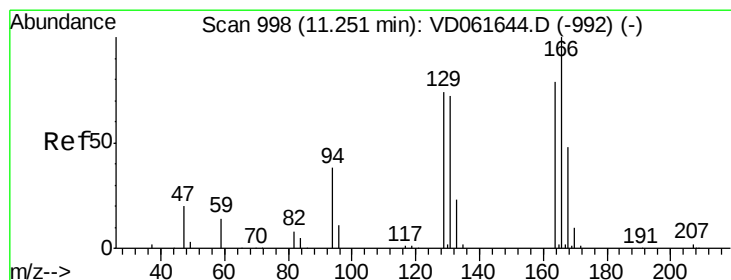
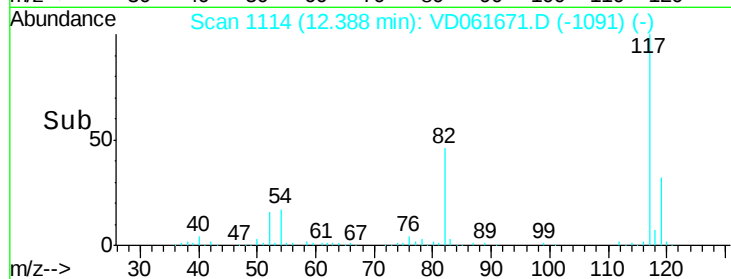
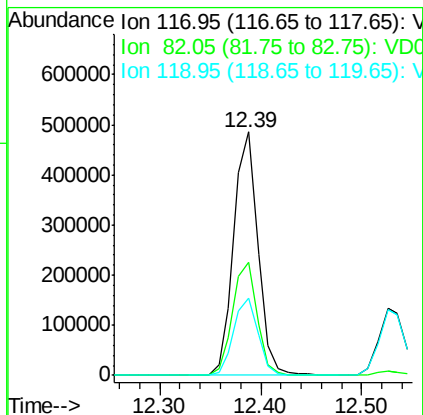
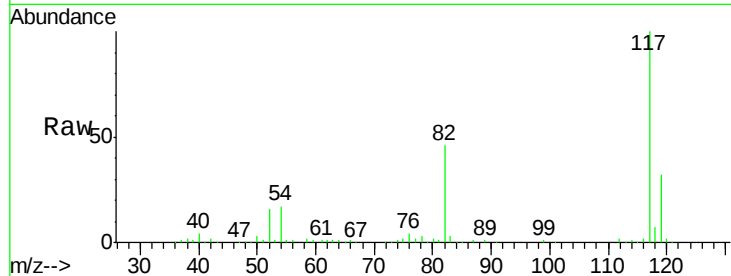
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.02 min
Lab File: VD061671.D
Acq: 9 Apr 2019 13:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	46.2	36.8	55.2
119	31.7	26.1	39.1

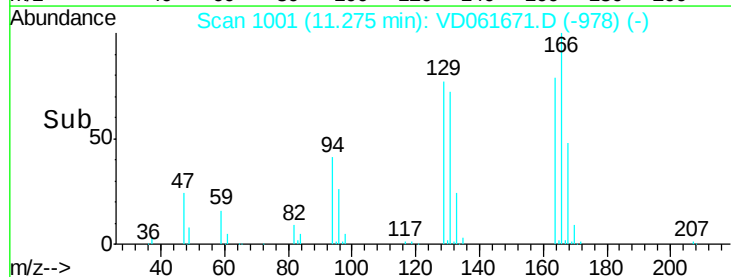
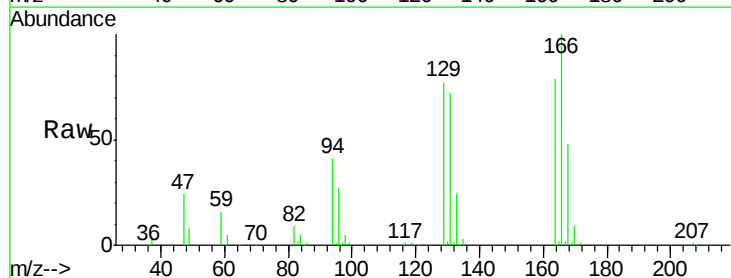
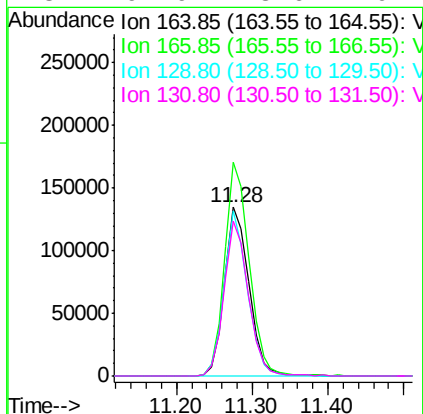
Manual Integrations
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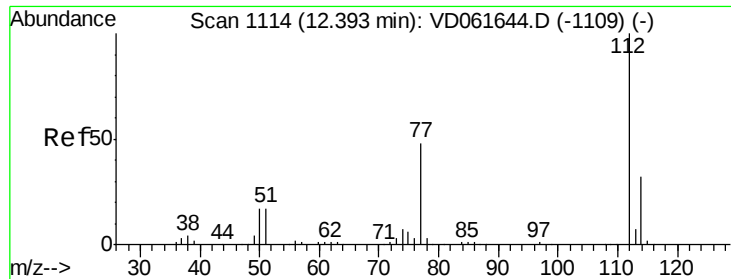
MMDadoda
4/11/2019 2:59:59 AM



#64
Tetrachloroethene
Concen: 47.912 ug/l
RT: 11.28 min Scan# 1001
Delta R.T. 0.02 min
Lab File: VD061671.D
Acq: 9 Apr 2019 13:11

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.8	101.8	152.8
129	97.9	75.4	113.0
131	91.9	73.6	110.4





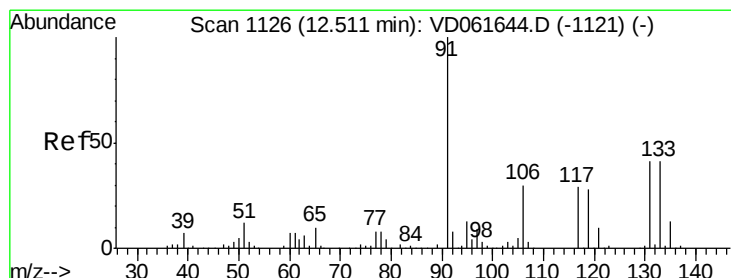
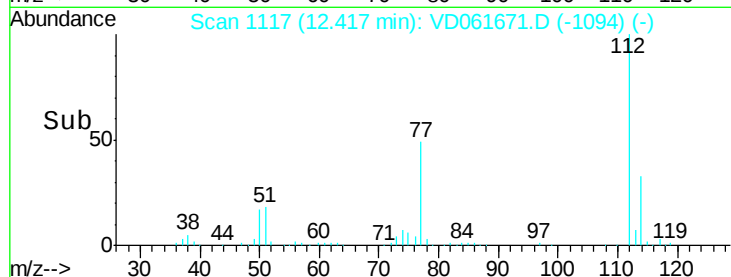
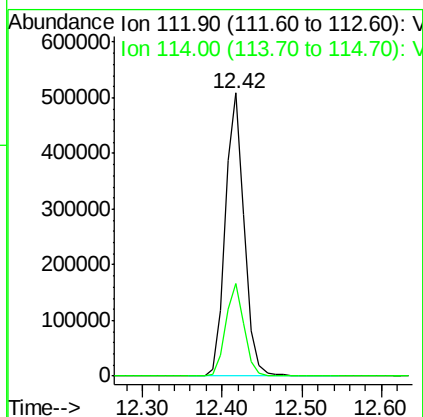
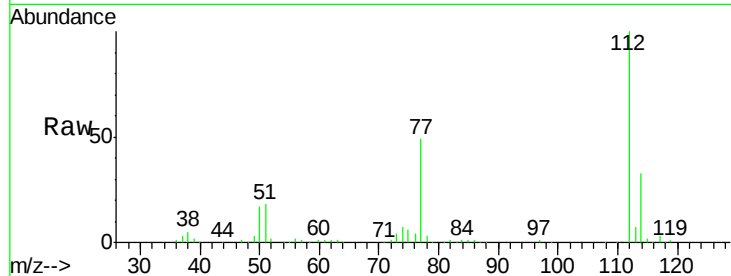
#65
Chlorobenzene
Concen: 52.793 ug/l
RT: 12.42 min Scan# 1117
Delta R.T. 0.02 min
Lab File: VD061671.D
Acq: 9 Apr 2019 13:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 847409
Ion Ratio Lower Upper
112 100
114 32.9 25.6 38.4

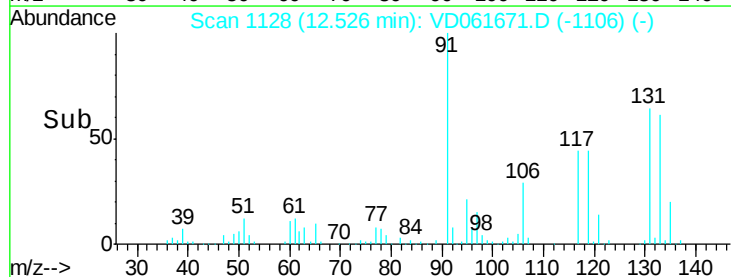
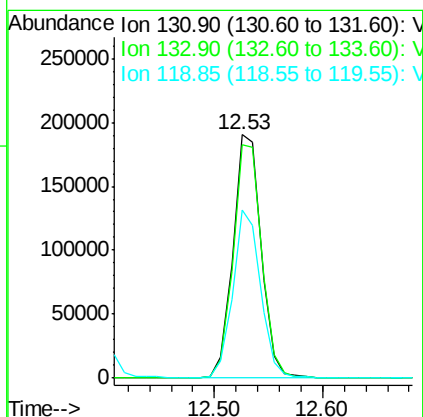
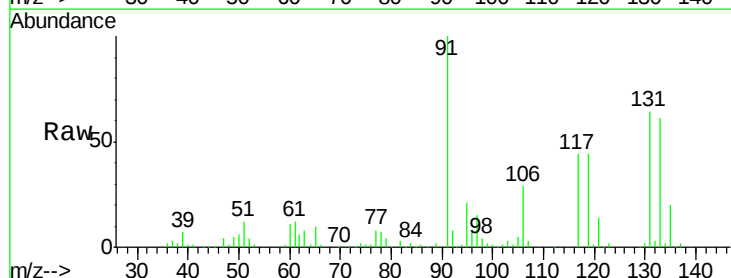
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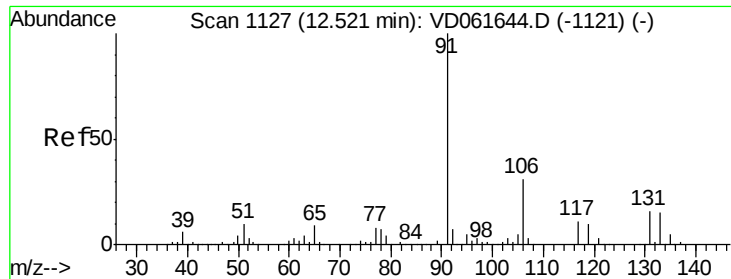
MMDadoda
4/11/2019 2:59:59 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 55.752 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD061671.D
Acq: 9 Apr 2019 13:11

Tgt Ion:131 Resp: 344361
Ion Ratio Lower Upper
131 100
133 96.0 49.5 148.3
119 68.9 34.7 104.1





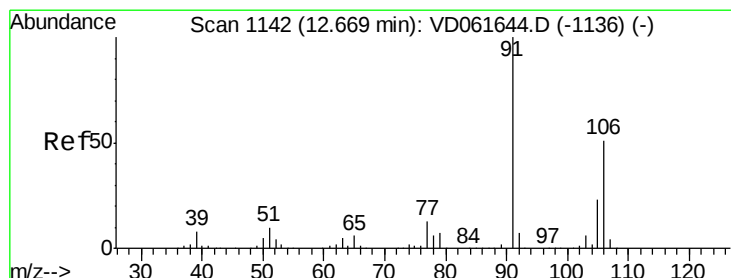
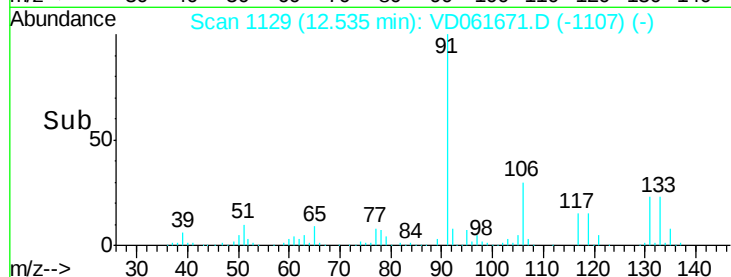
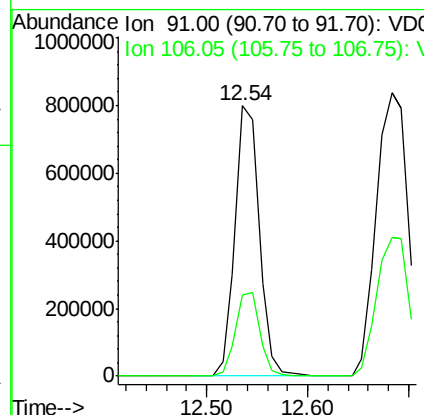
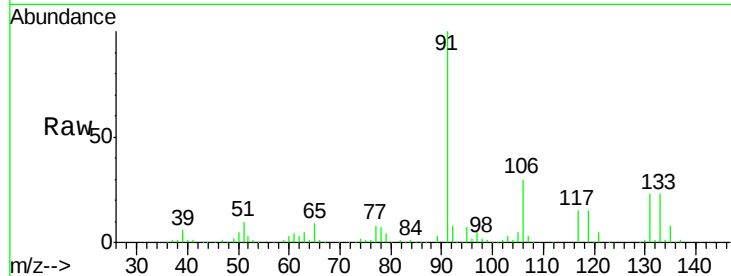
#67
Ethyl Benzene
Concen: 54.693 ug/l
RT: 12.54 min Scan# 1129
Delta R.T. 0.01 min
Lab File: VD061671.D
Acq: 9 Apr 2019 13:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1336870
Ion Ratio Lower Upper
91 100
106 30.1 24.6 37.0

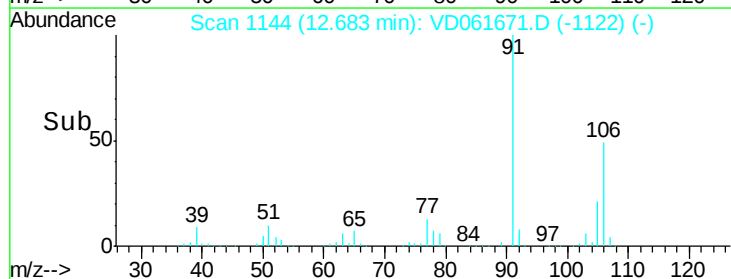
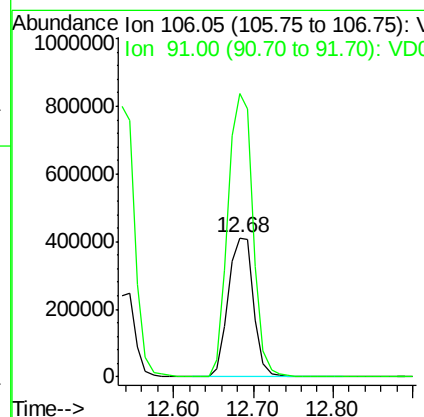
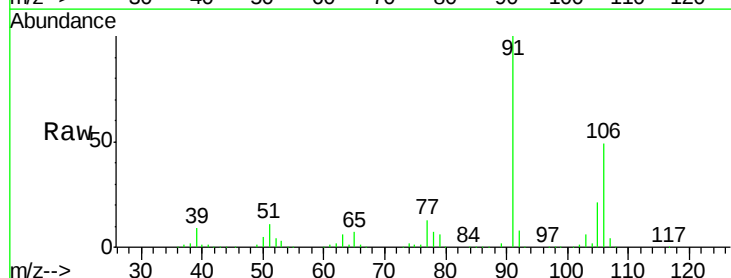
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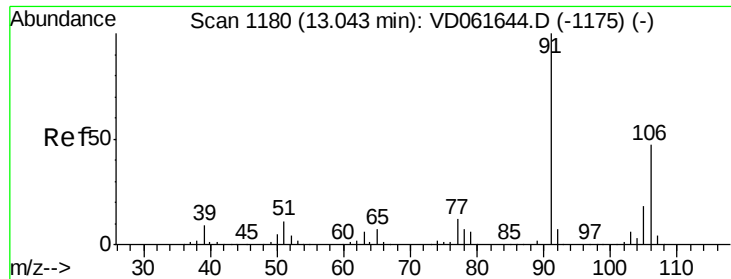
MMDadoda
4/11/2019 2:59:59 AM



#68
m/p-Xylenes
Concen: 98.071 ug/l
RT: 12.68 min Scan# 1144
Delta R.T. 0.01 min
Lab File: VD061671.D
Acq: 9 Apr 2019 13:11

Tgt Ion: 106 Resp: 924158
Ion Ratio Lower Upper
106 100
91 203.8 156.7 235.1





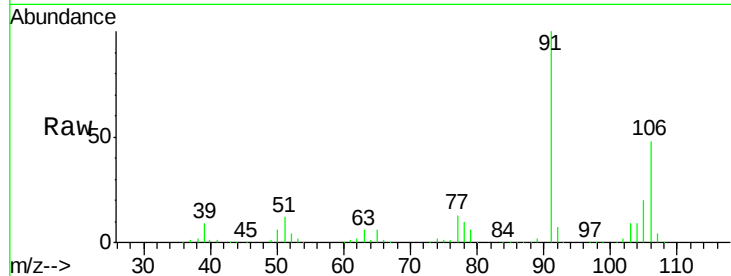
#69
o-Xylene
Concen: 53.717 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.02 min
Lab File: VD061671.D
Acq: 9 Apr 2019 13:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

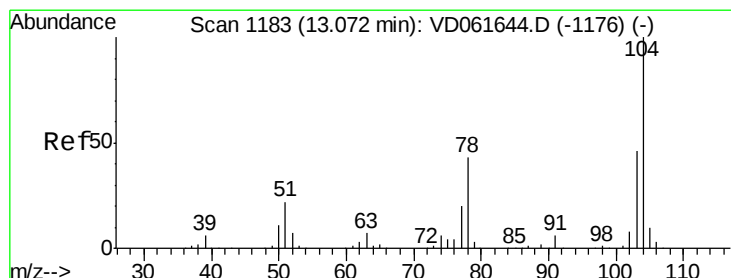
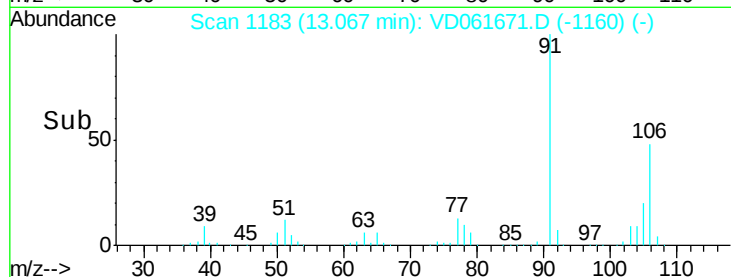
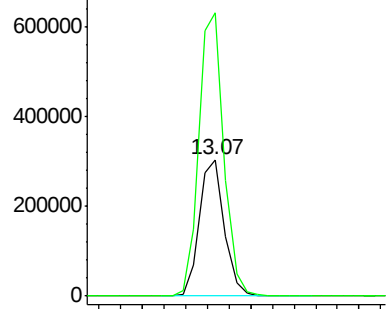
Tot Ion:106 Resp: 488635
Ion Ratio Lower Upper
106 100
91 207.7 107.3 321.9

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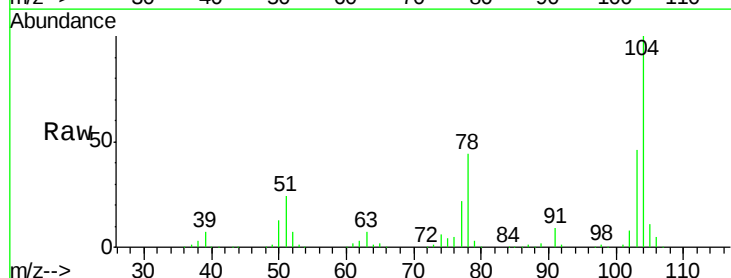


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

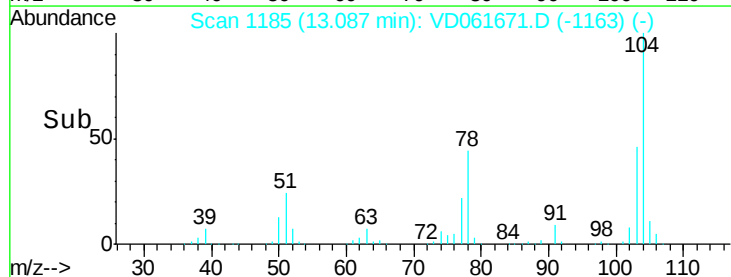
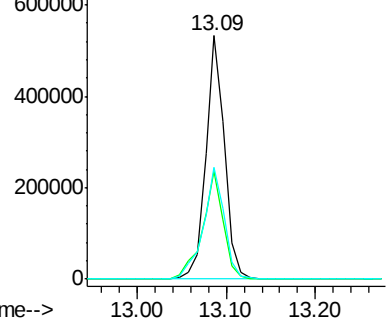


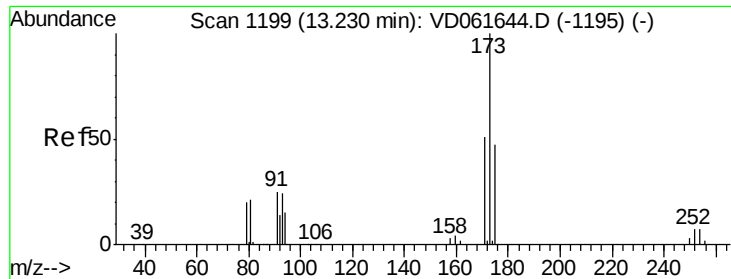
#70
Styrene
Concen: 50.400 ug/l
RT: 13.09 min Scan# 1185
Delta R.T. 0.01 min
Lab File: VD061671.D
Acq: 9 Apr 2019 13:11

Tgt Ion:104 Resp: 782959
Ion Ratio Lower Upper
104 100
78 44.3 34.2 51.4
103 45.9 37.2 55.8



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): VDC
Ion 103.05 (102.75 to 103.75): V





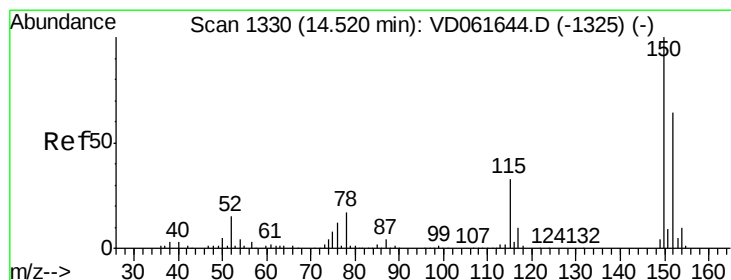
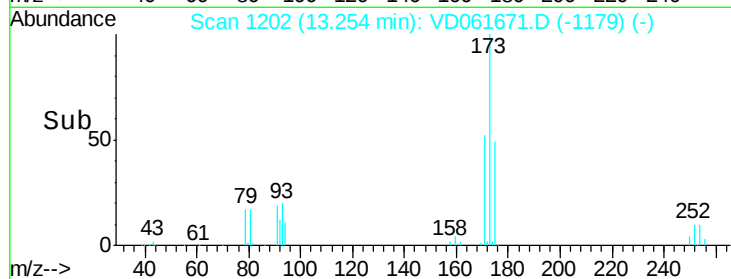
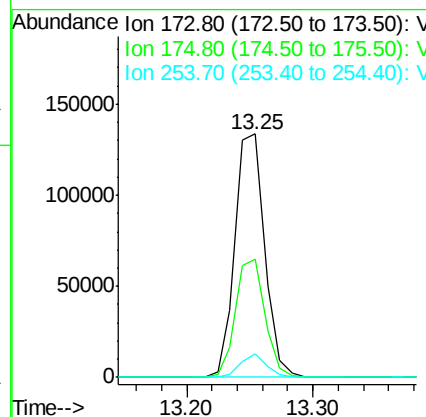
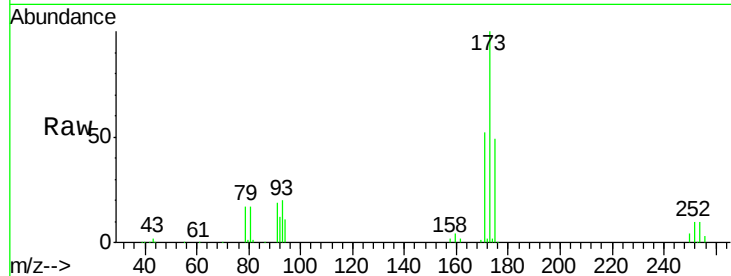
#71
Bromoform
Concen: 56.445 ug/l
RT: 13.25 min Scan# 1202
Delta R.T. 0.02 min
Lab File: VD061671.D
Acq: 9 Apr 2019 13:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:173 Resp: 216320
Ion Ratio Lower Upper
173 100
175 48.7 23.7 71.1
254 9.7 5.8 8.6#

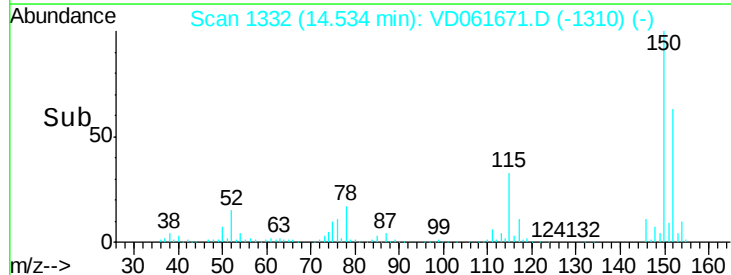
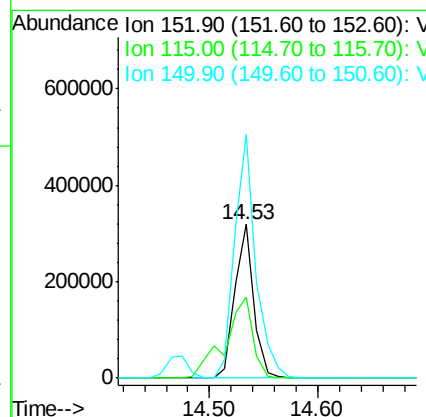
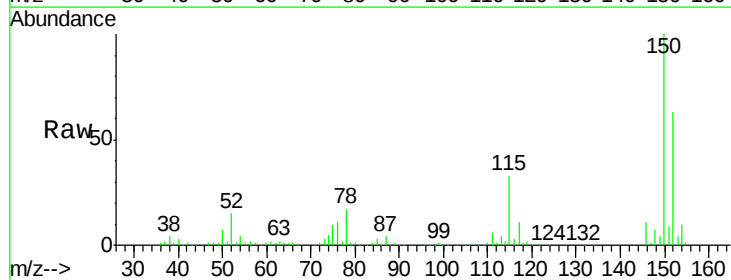
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4/11/2019 2:59:59 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1332
Delta R.T. 0.01 min
Lab File: VD061671.D
Acq: 9 Apr 2019 13:11

Tgt Ion:152 Resp: 388266
Ion Ratio Lower Upper
152 100
115 52.5 26.4 79.2
150 158.3 0.0 320.6





#73

Isopropylbenzene

Concen: 49.905 ug/l

RT: 13.42 min Scan# 1219

Delta R.T. 0.02 min

Lab File: VD061671.D

Acq: 9 Apr 2019 13:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1291066

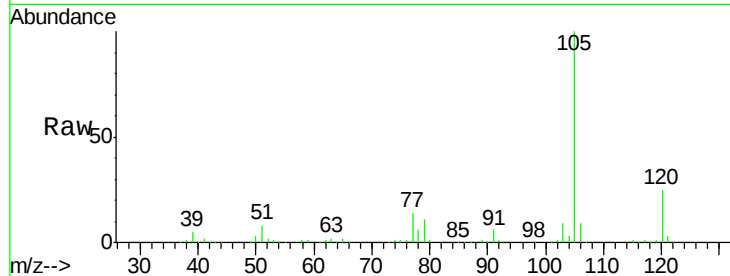
Ion Ratio Lower Upper

105 100

120 25.0 12.2 36.4

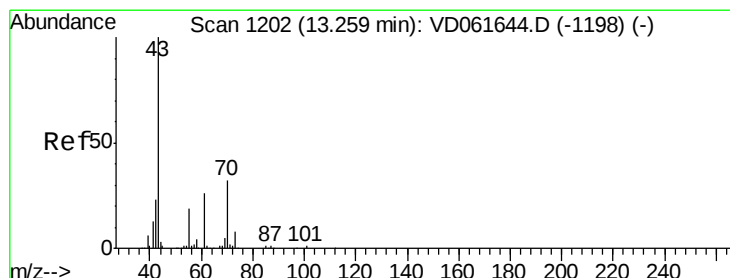
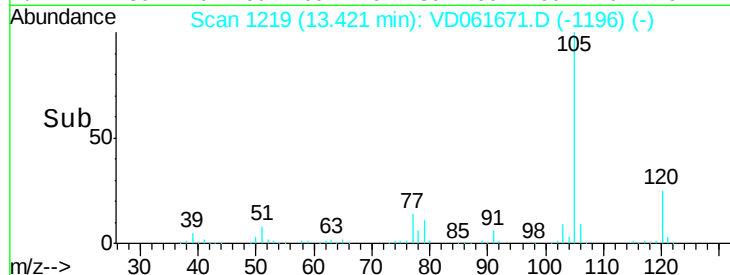
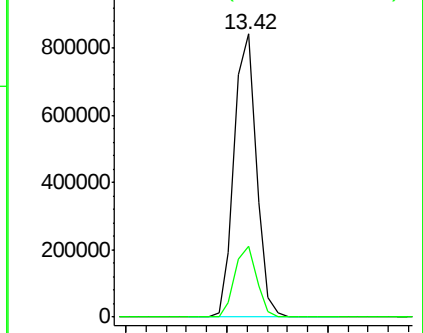
Manual Integrations
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MMDadoda
4/11/2019 2:59:59 AM



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 49.054 ug/l

RT: 13.27 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD061671.D

Acq: 9 Apr 2019 13:11

Tgt Ion: 43 Resp: 344805

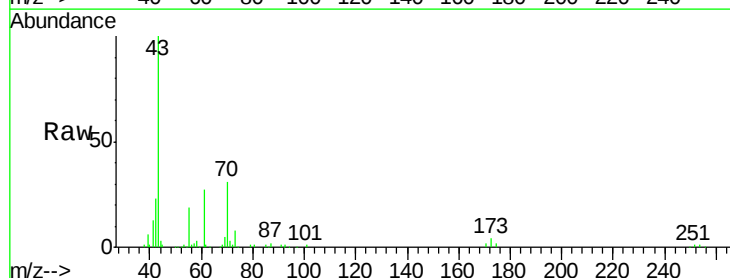
Ion Ratio Lower Upper

43 100

70 31.0 25.4 38.2

55 18.9 15.0 22.4

61 26.7 20.9 31.3

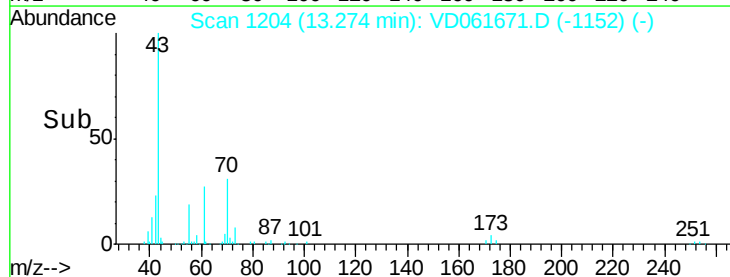
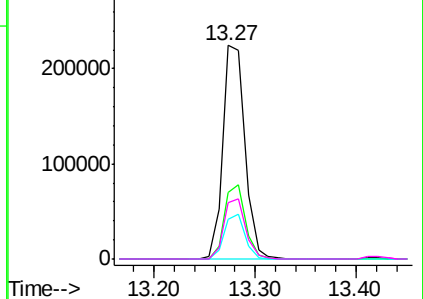


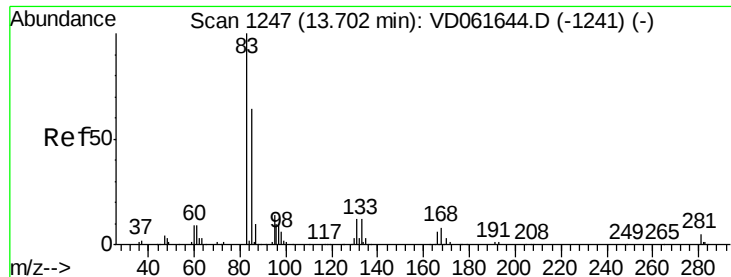
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 51.307 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. 0.01 min

Lab File: VD061671.D

Acq: 9 Apr 2019 13:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 274452
Ion Ratio Lower Upper

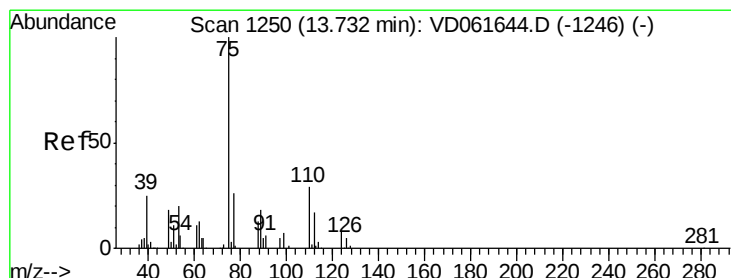
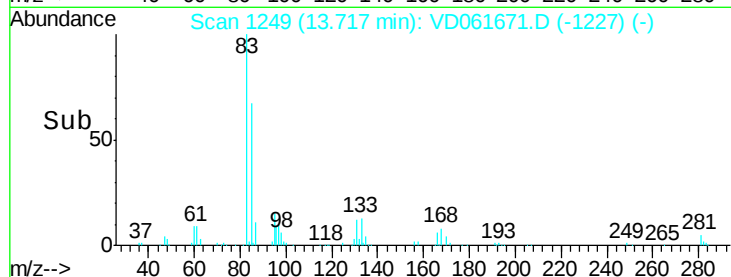
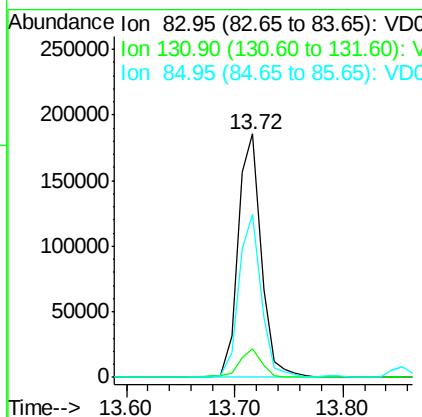
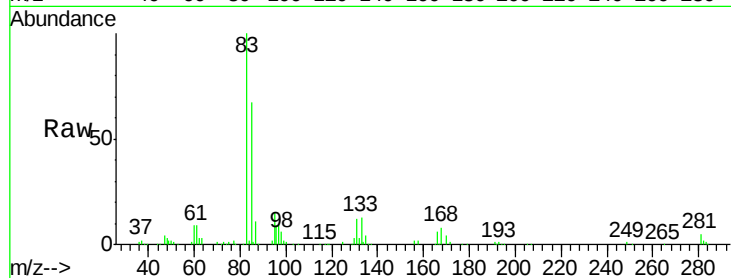
83 100

131 11.7 5.9 17.6

85 66.9 32.0 96.2

Manual Integrations
APPROVED

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4/11/2019 2:59:59 AM



#76

1,2,3-Trichloropropane

Concen: 52.383 ug/l

RT: 13.75 min Scan# 1252

Delta R.T. 0.01 min

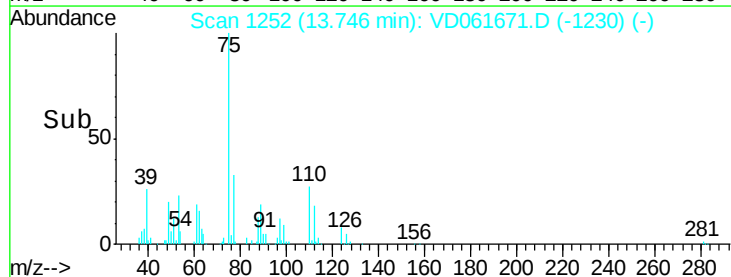
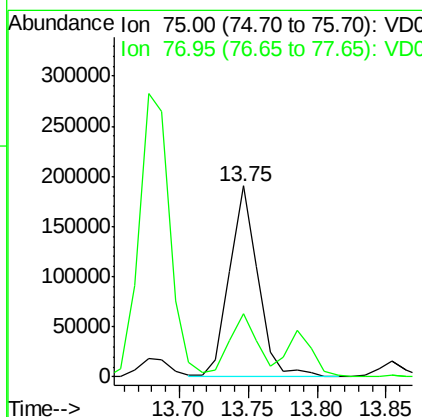
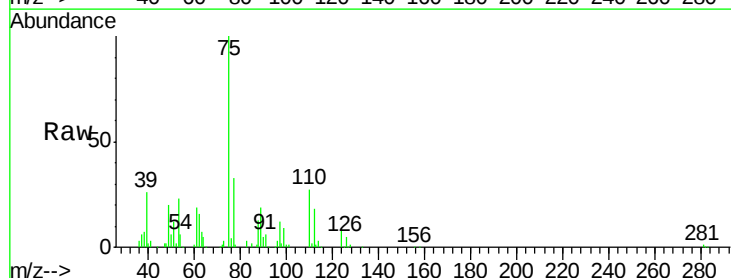
Lab File: VD061671.D

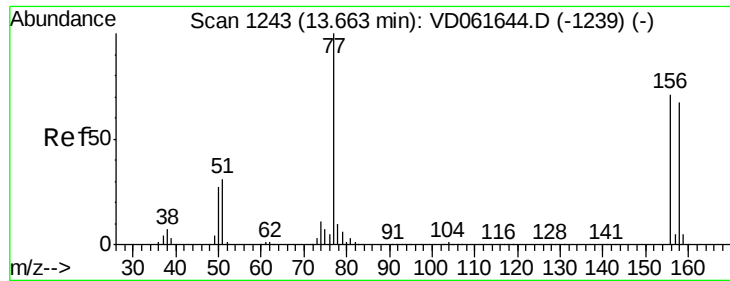
Acq: 9 Apr 2019 13:11

Tgt Ion: 75 Resp: 276706
Ion Ratio Lower Upper

75 100

77 32.8 15.7 47.1





#77

Bromobenzene

Concen: 48.122 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. 0.02 min

Lab File: VD061671.D

Acq: 9 Apr 2019 13:11

Instrument :

MSVOA_D

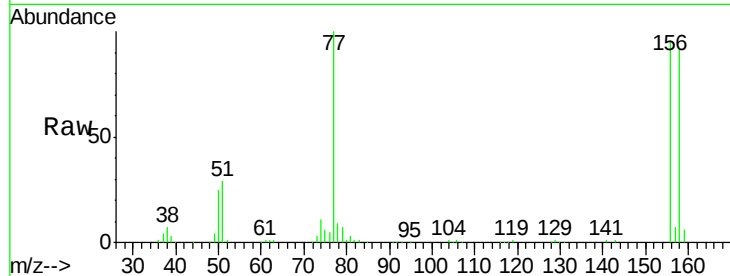
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	361365
Ion Ratio	Lower	Upper	
156	100		
77	104.2	70.3	210.8
158	96.2	47.4	142.2

Manual Integrations
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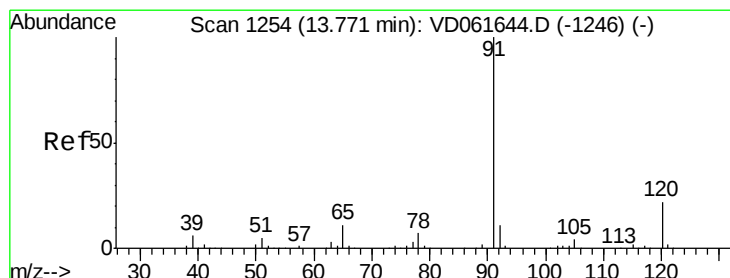
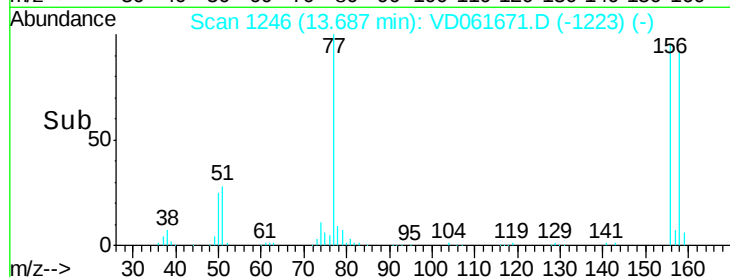
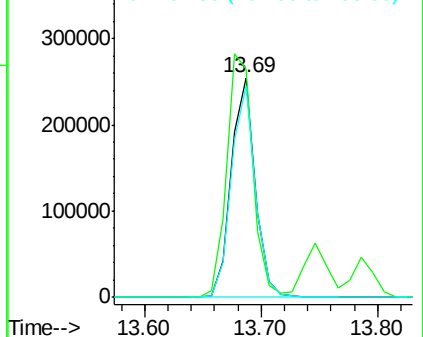
MMDadoda
4/11/2019 2:59:59 AM



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 53.447 ug/l

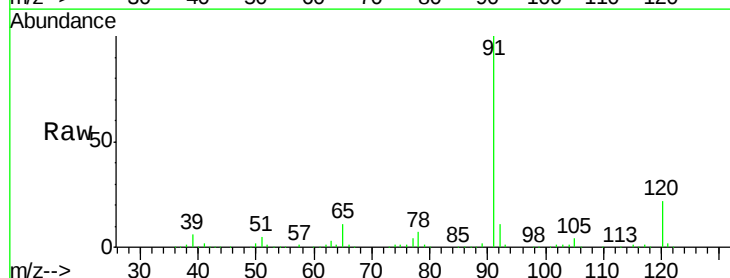
RT: 13.79 min Scan# 1256

Delta R.T. 0.01 min

Lab File: VD061671.D

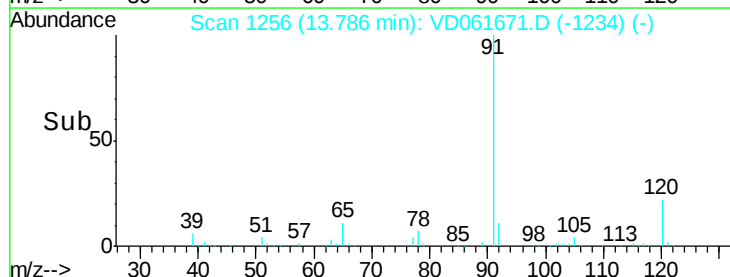
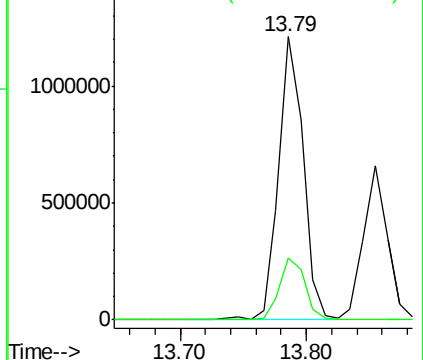
Acq: 9 Apr 2019 13:11

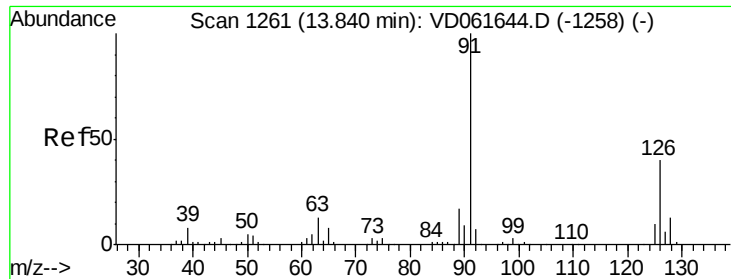
Tgt Ion:	91	Resp:	1653986
Ion Ratio	Lower	Upper	
91	100		
120	22.0	10.8	32.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 48.700 ug/l

RT: 13.85 min Scan# 1263

Delta R.T. 0.01 min

Lab File: VD061671.D

Acq: 9 Apr 2019 13:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 861839

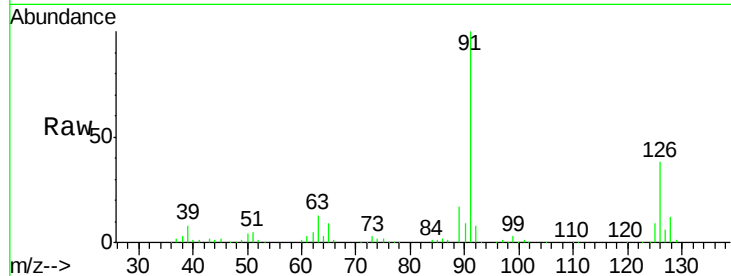
Ion Ratio Lower Upper

91 100

126 37.9 20.0 59.9

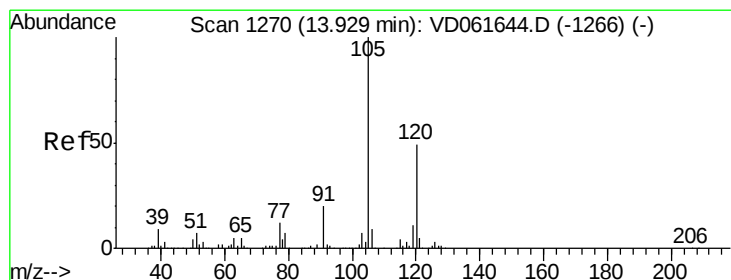
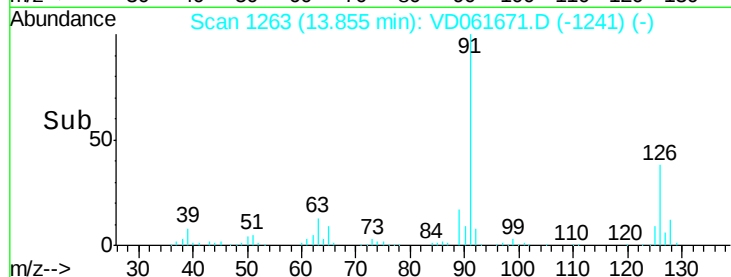
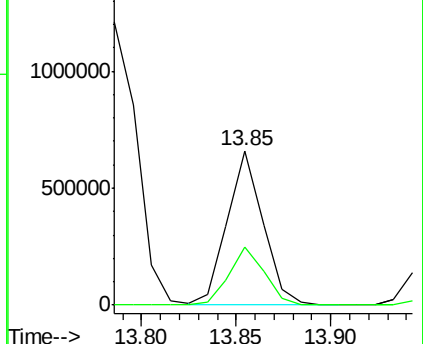
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 51.896 ug/l

RT: 13.94 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VD061671.D

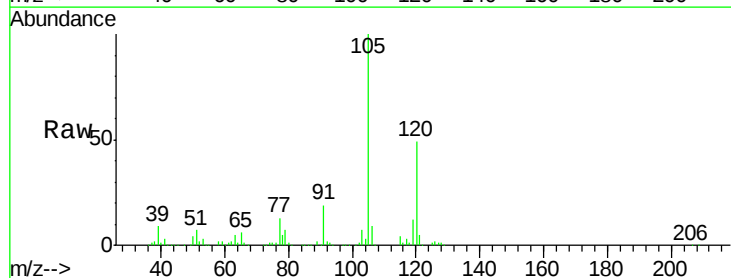
Acq: 9 Apr 2019 13:11

Tgt Ion:105 Resp: 1065617

Ion Ratio Lower Upper

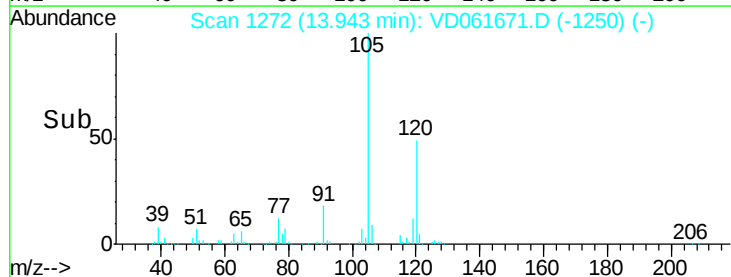
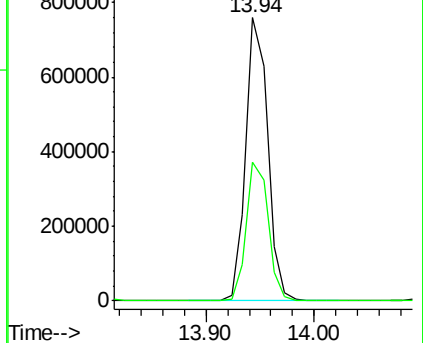
105 100

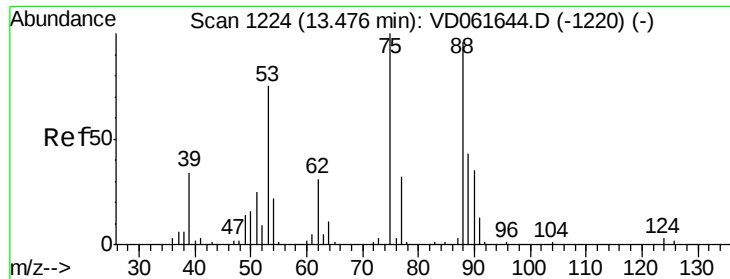
120 48.9 24.4 73.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





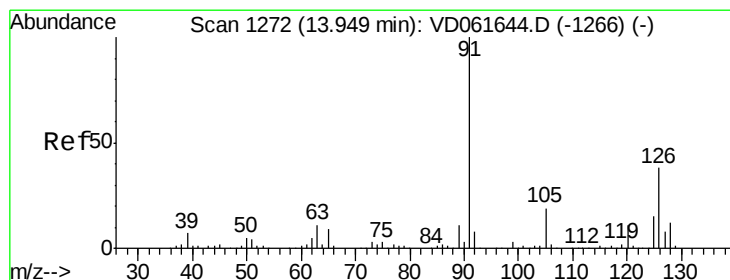
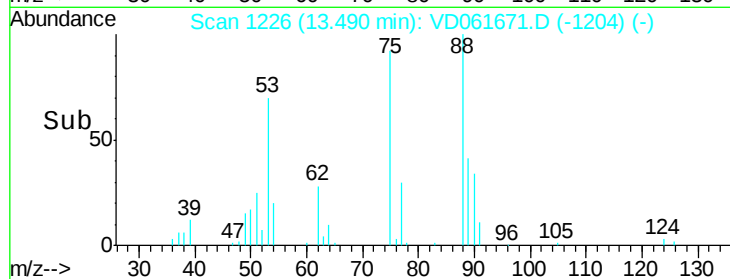
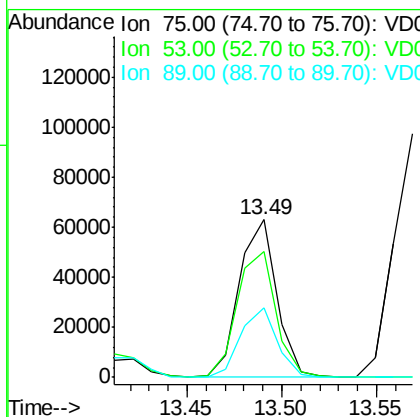
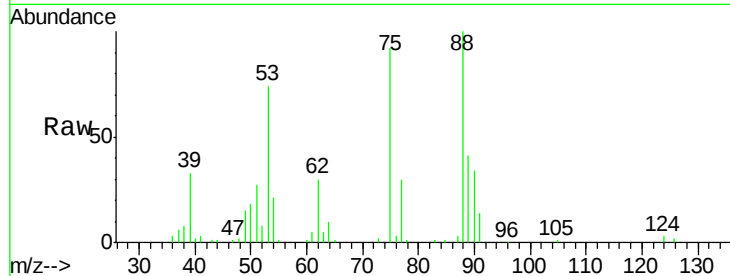
#81
trans-1,4-Dichloro-2-butene
Concen: 53.878 ug/l
RT: 13.49 min Scan# 1226
Delta R.T. 0.01 min
Lab File: VD061671.D
Acq: 9 Apr 2019 13:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	79.8	60.2	90.2
89	44.0	34.2	51.2

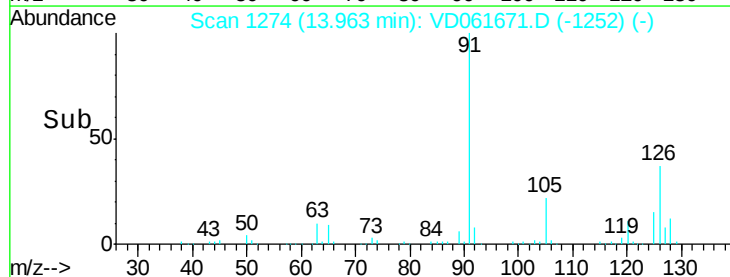
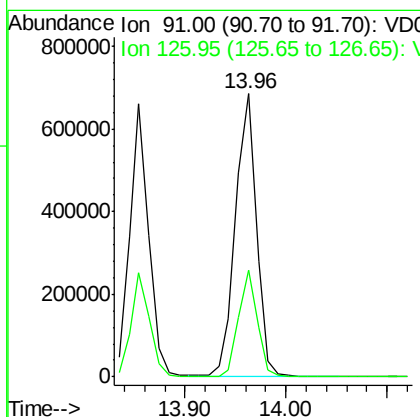
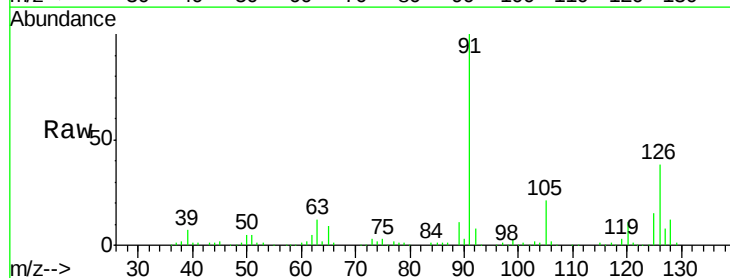
Manual Integrations
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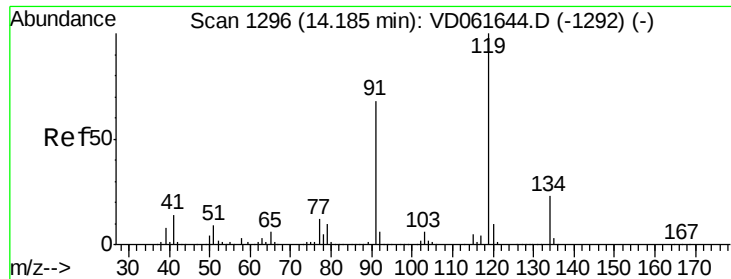
MMDadoda
4/11/2019 2:59:59 AM



#82
4-Chlorotoluene
Concen: 50.895 ug/l
RT: 13.96 min Scan# 1274
Delta R.T. 0.01 min
Lab File: VD061671.D
Acq: 9 Apr 2019 13:11

Tgt Ion	Ratio	Lower	Upper
91	100		
126	37.6	19.0	57.0





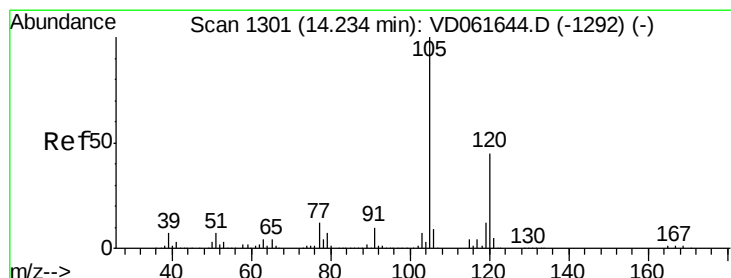
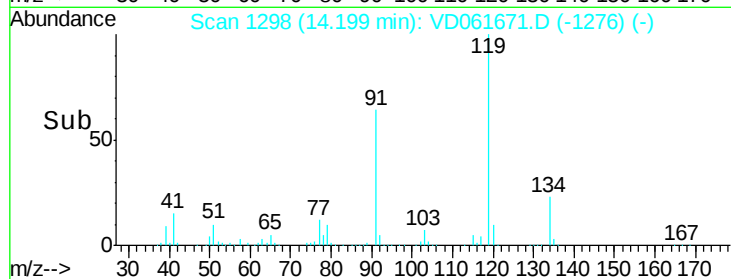
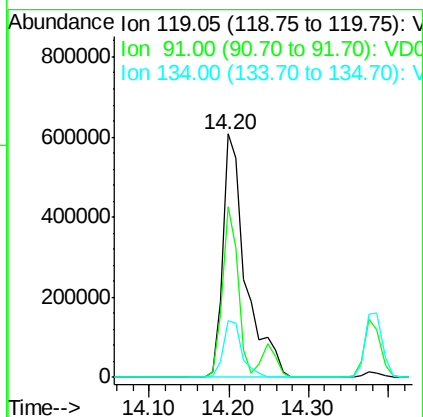
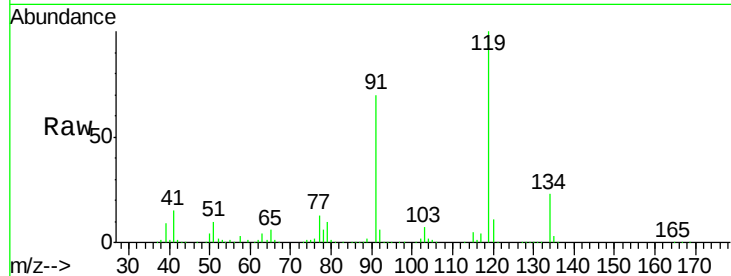
#83
tert-Butylbenzene
Concen: 49.592 ug/l
RT: 14.20 min Scan# 1298
Delta R.T. 0.01 min
Lab File: VD061671.D
Acq: 9 Apr 2019 13:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.2	33.9	101.6
134	23.2	11.6	34.8

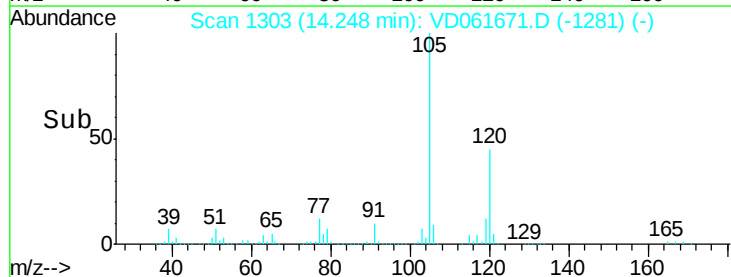
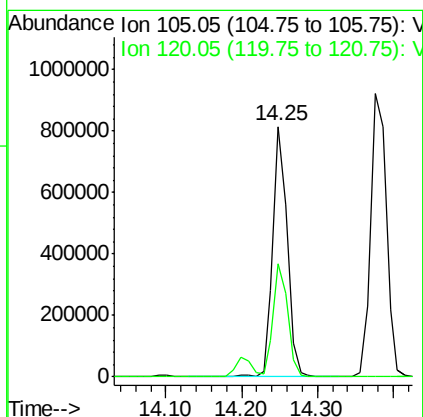
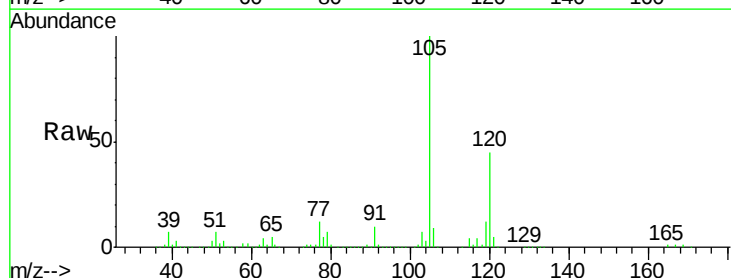
Manual Integrations
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4/11/2019 2:59:59 AM



#84
1,2,4-Trimethylbenzene
Concen: 51.595 ug/l
RT: 14.25 min Scan# 1303
Delta R.T. 0.01 min
Lab File: VD061671.D
Acq: 9 Apr 2019 13:11

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.6	67.8





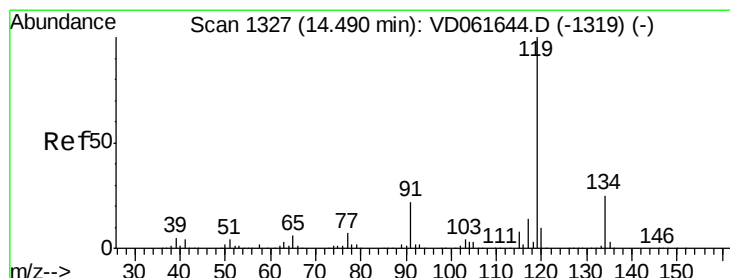
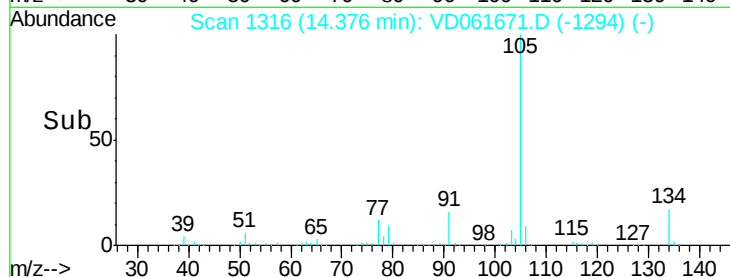
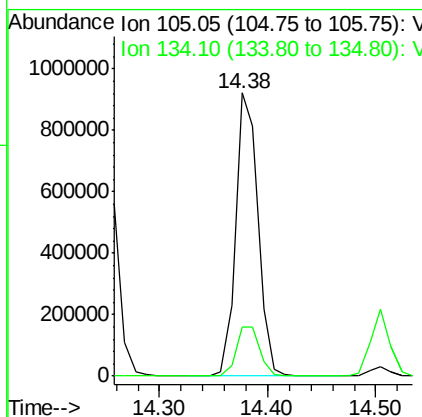
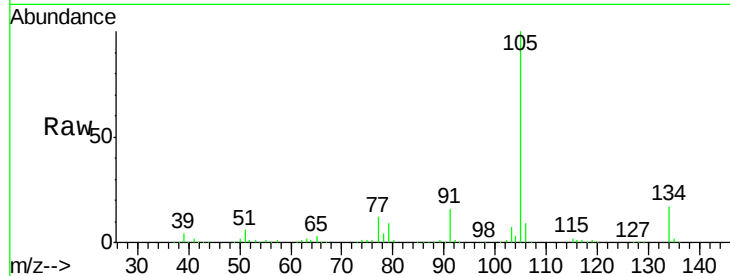
#85
 sec-Butylbenzene
 Concen: 49.206 ug/l
 RT: 14.38 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VD061671.D
 Acq: 9 Apr 2019 13:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 1316210
 Ion Ratio Lower Upper
 105 100
 134 17.3 8.6 25.7

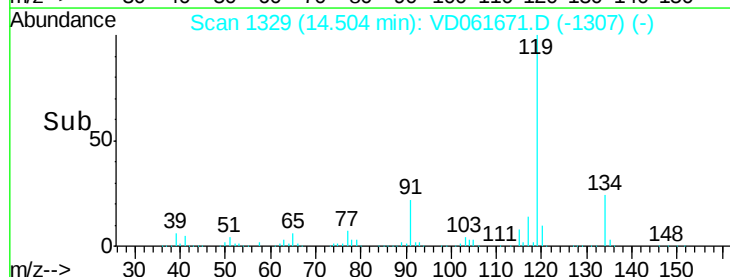
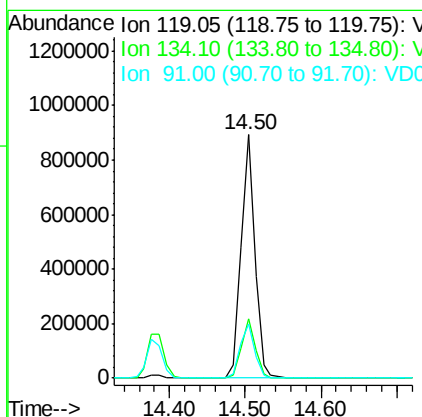
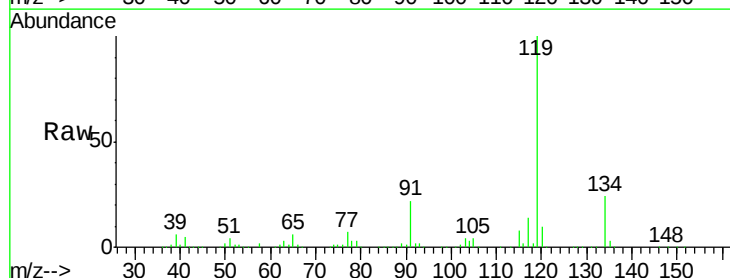
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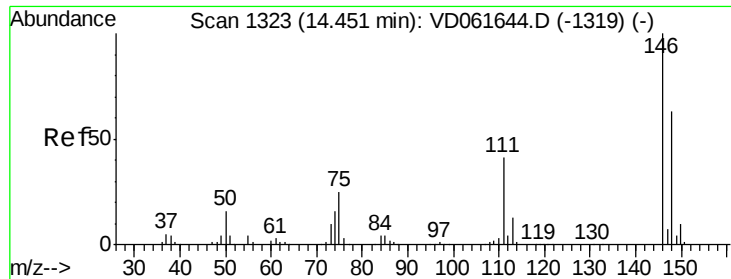
MMDadoda
 4/11/2019 2:59:59 AM



#86
 p-Isopropyltoluene
 Concen: 47.577 ug/l
 RT: 14.50 min Scan# 1329
 Delta R.T. 0.01 min
 Lab File: VD061671.D
 Acq: 9 Apr 2019 13:11

Tgt Ion:119 Resp: 1103997
 Ion Ratio Lower Upper
 119 100
 134 24.4 12.5 37.5
 91 22.2 11.0 33.0





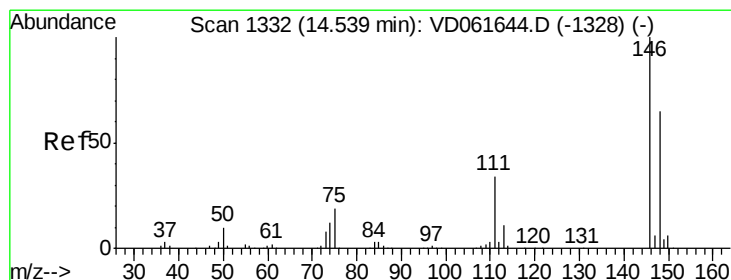
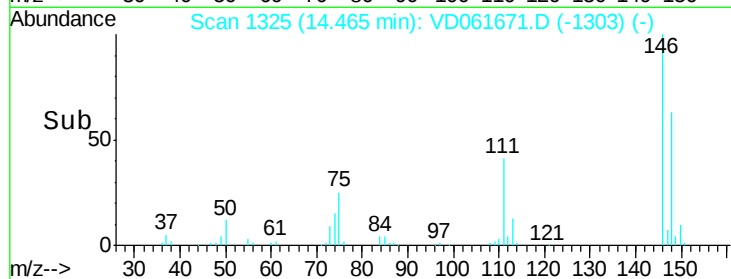
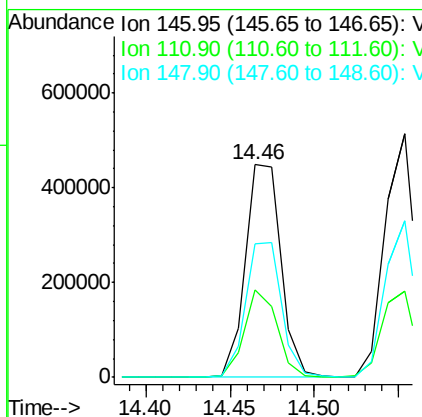
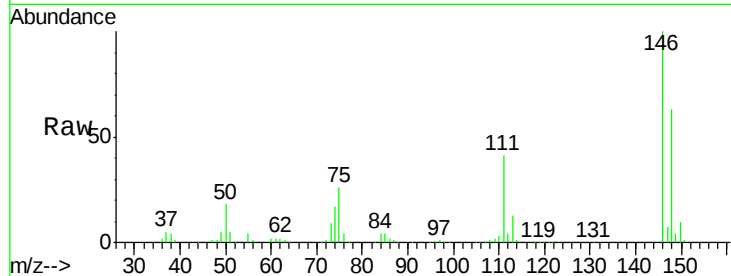
#87
 1,3-Dichlorobenzene
 Concen: 51.026 ug/l
 RT: 14.46 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: VD061671.D
 Acq: 9 Apr 2019 13:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.3	61.0
148	63.2	31.7	95.1

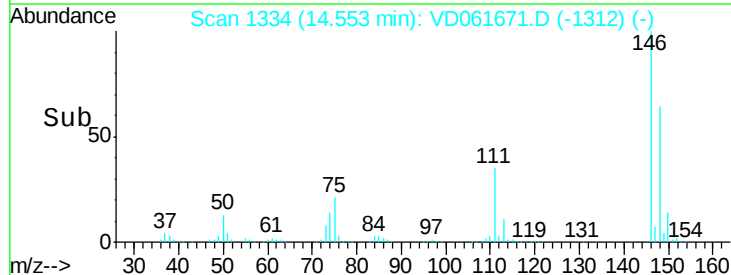
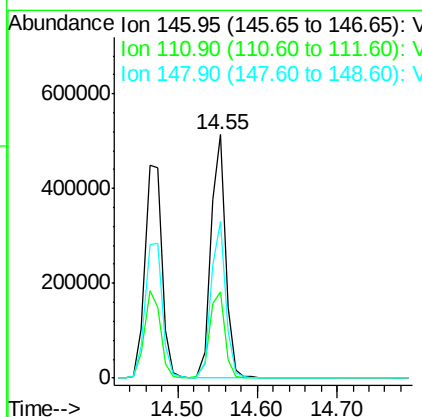
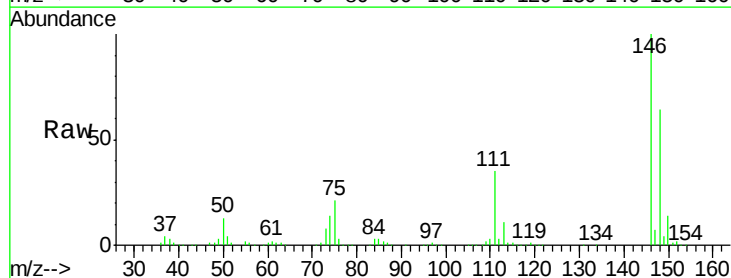
Manual Integrations
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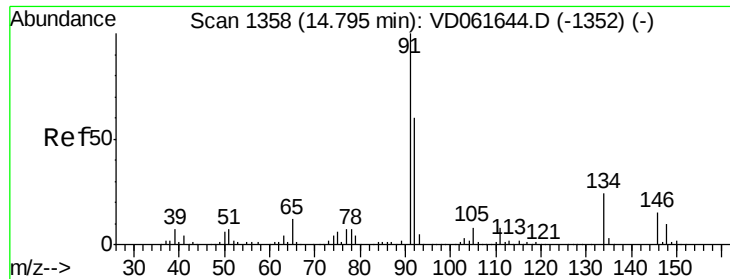
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 4/11/2019 2:59:59 AM



#88
 1,4-Dichlorobenzene
 Concen: 51.063 ug/l
 RT: 14.55 min Scan# 1334
 Delta R.T. 0.01 min
 Lab File: VD061671.D
 Acq: 9 Apr 2019 13:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.2	17.1	51.2
148	64.1	32.6	97.7





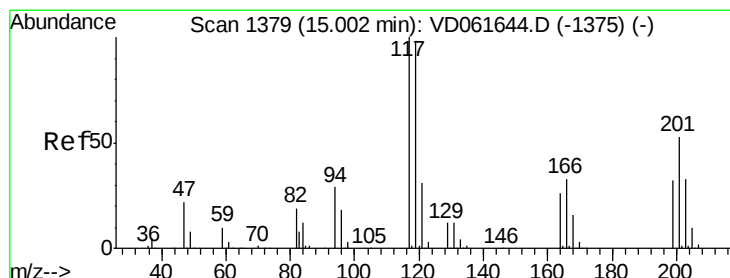
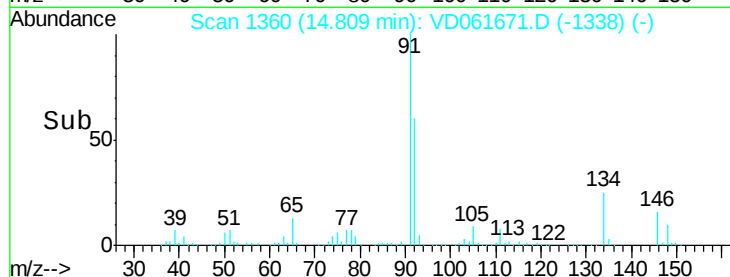
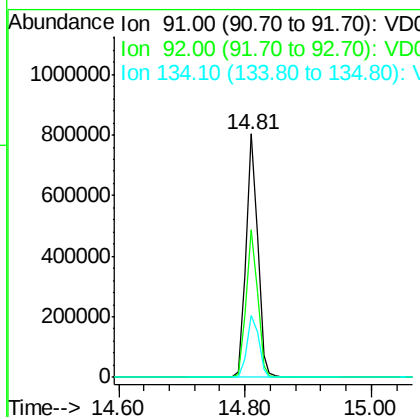
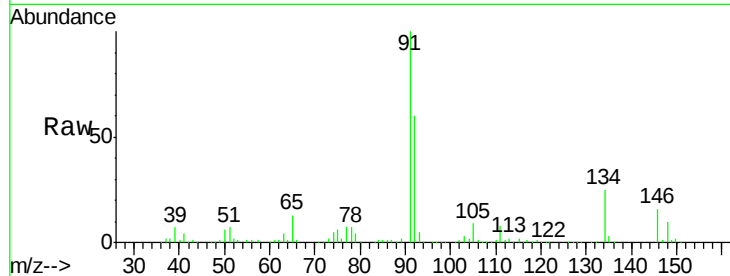
#89
n-Butylbenzene
Concen: 50.613 ug/l
RT: 14.81 min Scan# 1360
Delta R.T. 0.01 min
Lab File: VD061671.D
Acq: 9 Apr 2019 13:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1020832
Ion Ratio Lower Upper
91 100
92 60.4 29.8 89.4
134 25.2 12.2 36.4

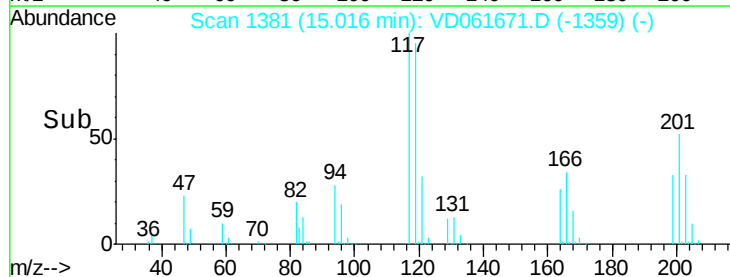
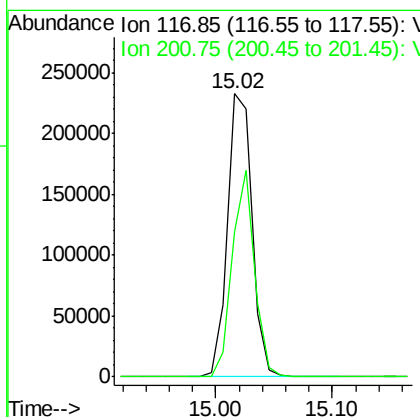
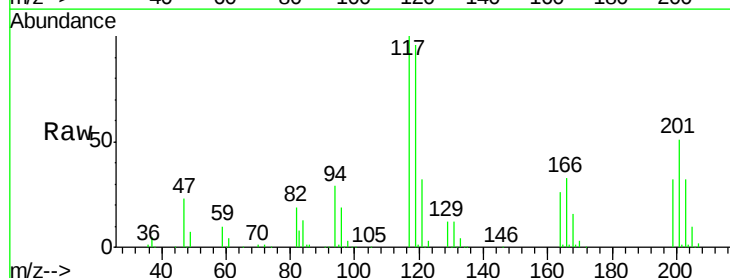
Manual Integrations
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4/11/2019 2:59:59 AM



#90
Hexachloroethane
Concen: 54.154 ug/l
RT: 15.02 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD061671.D
Acq: 9 Apr 2019 13:11

Tgt Ion: 117 Resp: 340968
Ion Ratio Lower Upper
117 100
201 51.5 26.3 78.8





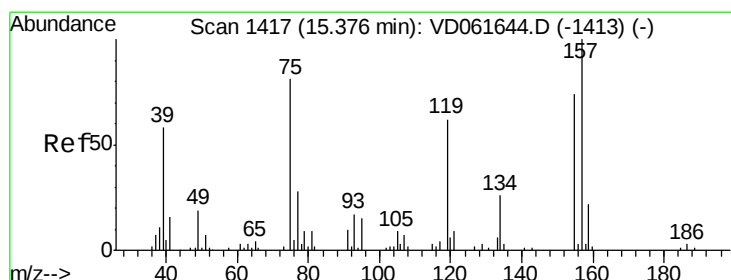
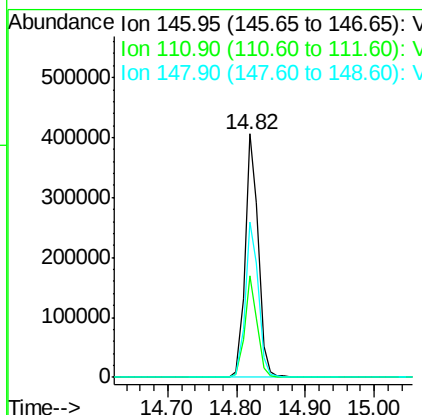
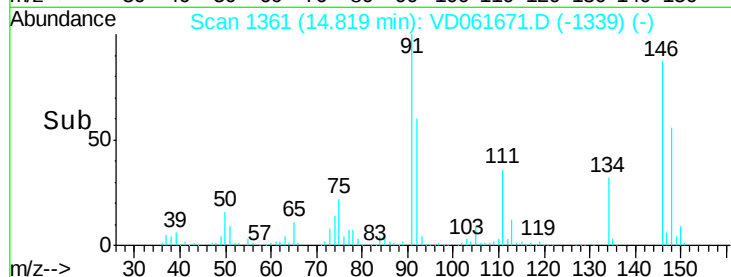
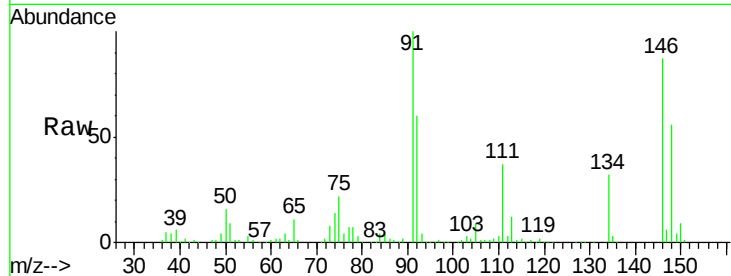
#91
 1,2-Dichlorobenzene
 Concen: 50.258 ug/l
 RT: 14.82 min Scan# 1361
 Delta R.T. 0.01 min
 Lab File: VD061671.D
 Acq: 9 Apr 2019 13:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.1	63.3
148	63.9	31.7	95.1

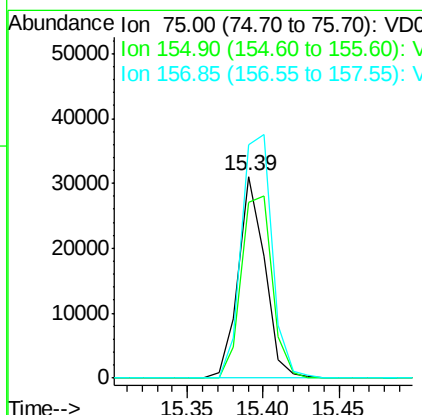
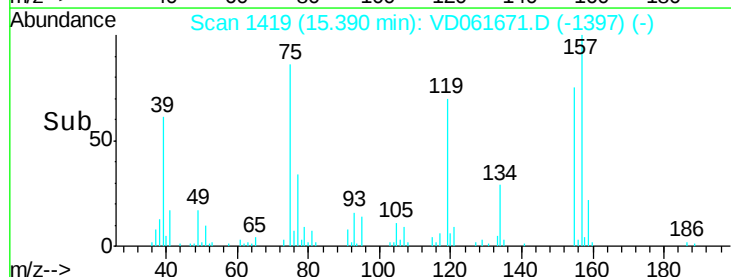
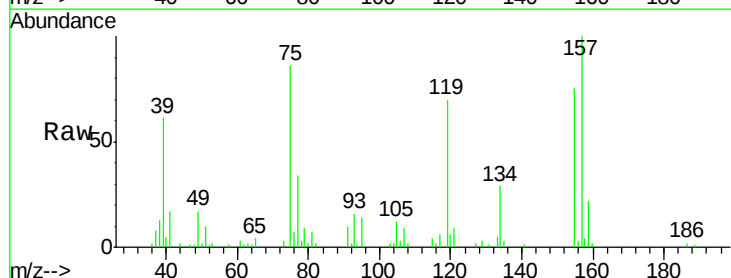
Manual Integrations
 APPROVED

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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 58.216 ug/l
 RT: 15.39 min Scan# 1419
 Delta R.T. 0.02 min
 Lab File: VD061671.D
 Acq: 9 Apr 2019 13:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.3	45.6	136.7
157	115.8	61.4	184.2





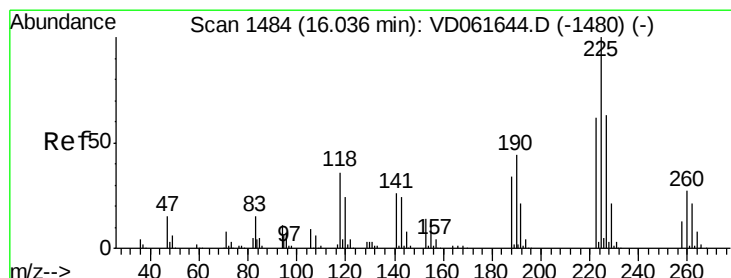
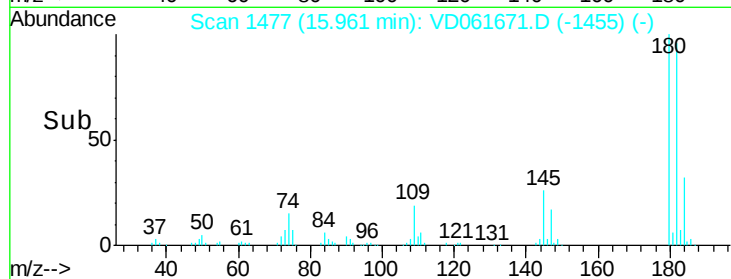
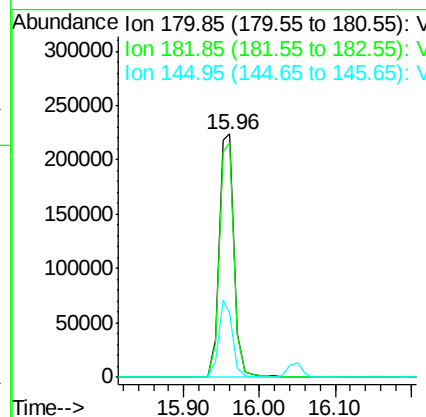
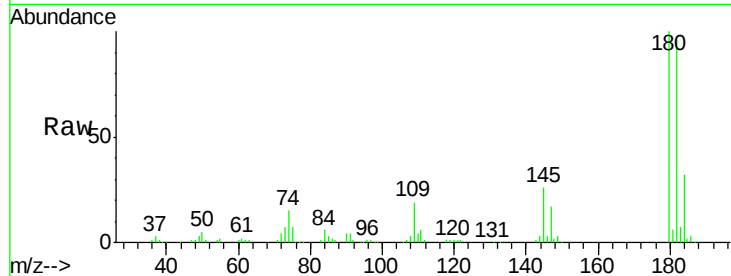
#93
 1,2,4-Trichlorobenzene
 Concen: 58.094 ug/l
 RT: 15.96 min Scan# 1477
 Delta R.T. 0.01 min
 Lab File: VD061671.D
 Acq: 9 Apr 2019 13:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.5	47.8	143.3	
145	26.3	13.3	39.8	

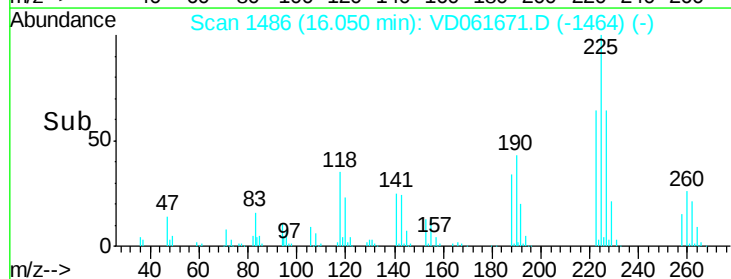
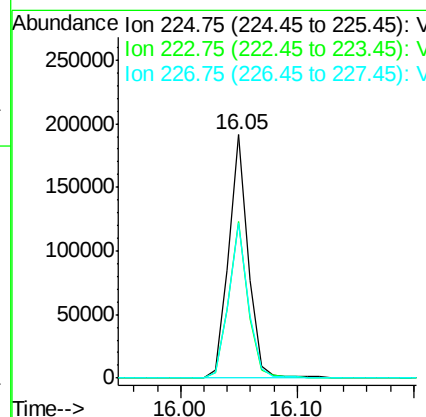
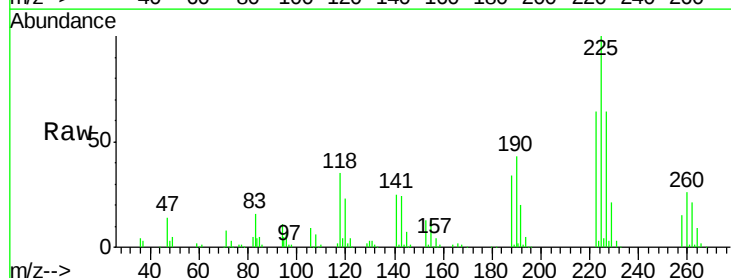
Manual Integrations
 APPROVED

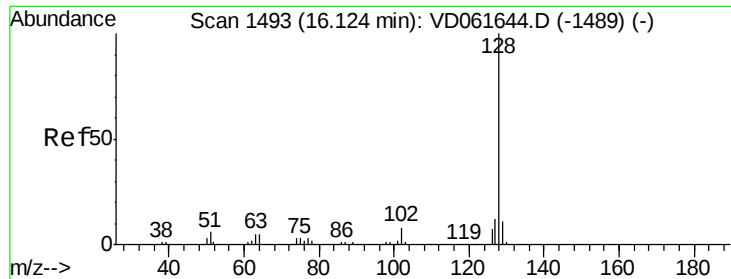
MMDadoda
 4/11/2019 2:59:59 AM



#94
 Hexachlorobutadiene
 Concen: 53.208 ug/l
 RT: 16.05 min Scan# 1486
 Delta R.T. 0.01 min
 Lab File: VD061671.D
 Acq: 9 Apr 2019 13:11

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	64.2	30.8	92.3	
227	63.8	31.5	94.5	





#95

Naphthalene

Concen: 57.507 ug/l

RT: 16.14 min Scan# 1495

Delta R.T. 0.01 min

Lab File: VD061671.D

Acq: 9 Apr 2019 13:11

Instrument :

MSVOA_D

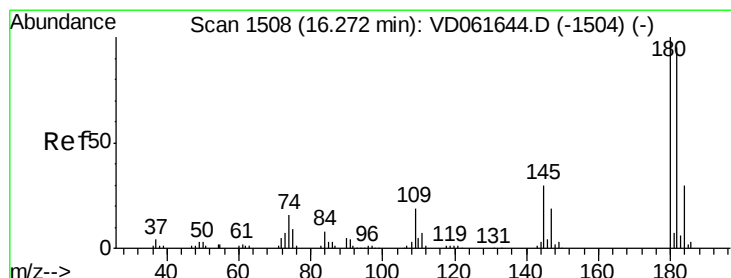
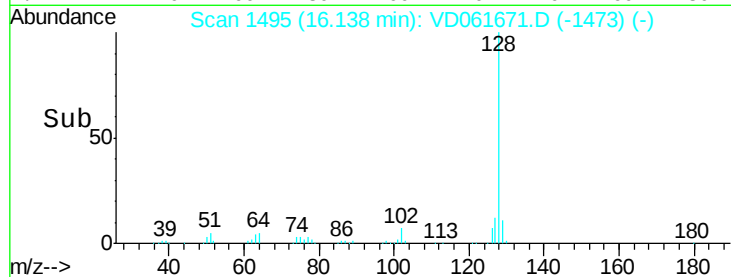
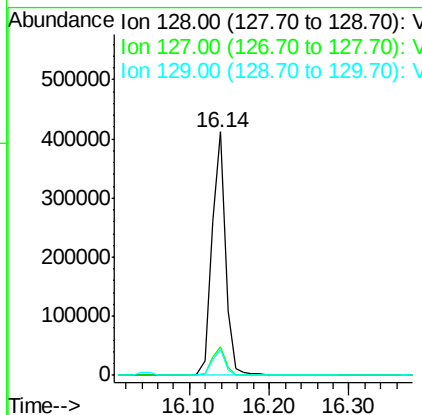
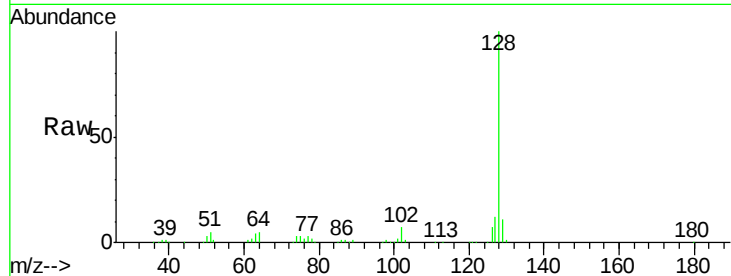
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	493774
Ion Ratio	Lower	Upper	
128	100		
127	11.9	9.4	14.2
129	10.7	8.8	13.2

Manual Integrations
APPROVED

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4/11/2019 2:59:59 AM



#96

1,2,3-Trichlorobenzene

Concen: 70.004 ug/l

RT: 16.29 min Scan# 1510

Delta R.T. 0.01 min

Lab File: VD061671.D

Acq: 9 Apr 2019 13:11

Tgt Ion:	180	Resp:	189590
Ion Ratio	Lower	Upper	
180	100		
182	94.0	47.3	142.0
145	29.2	15.1	45.3

