

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072919\
 Data File : VD063210.D
 Acq On : 29 Jul 2019 20:19
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jul 30 03:18:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	1088971	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1391751	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1243323	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	670726	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	579157	47.93	ug/l	0.00
Spiked Amount			Recovery	=	95.86%	
35) Dibromofluoromethane	6.92	113	674560	56.77	ug/l	0.01
Spiked Amount			Recovery	=	113.54%	
50) Toluene-d8	10.40	98	1437532	54.06	ug/l	0.00
Spiked Amount			Recovery	=	108.12%	
62) 4-Bromofluorobenzene	13.55	95	637728	52.62	ug/l	0.00
Spiked Amount			Recovery	=	105.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	597049	44.853	ug/l	98
3) Chloromethane	1.74	50	471740	45.614	ug/l	93
4) Vinyl Chloride	1.84	62	479846	44.819	ug/l	95
5) Bromomethane	2.14	94	279283	51.722	ug/l	99
6) Chloroethane	2.26	64	222850	45.084	ug/l	97
7) Trichlorofluoromethane	2.53	101	991632	47.743	ug/l	97
8) Diethyl Ether	2.86	74	131716	45.312	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	3.14	101	552585	48.028	ug/l	95
10) Methyl Iodide	3.30	142	846549	50.933	ug/l	95
11) Tert butyl alcohol	4.05	59	110467	208.323	ug/l	96
12) 1,1-Dichloroethene	3.12	96	399465	47.294	ug/l	87
13) Acrolein	3.02	56	95524	187.180	ug/l	95
14) Allyl chloride	3.60	41	602393	44.769	ug/l	97
15) Acrylonitrile	4.18	53	337296	245.348	ug/l	96
16) Acetone	3.22	43	511247	217.157	ug/l	97
17) Carbon Disulfide	3.37	76	1281587	45.332	ug/l	99
18) Methyl Acetate	3.63	43	199728	44.167	ug/l	100
19) Methyl tert-butyl Ether	4.22	73	954006	50.002	ug/l	95
20) Methylene Chloride	3.80	84	429009	45.082	ug/l	97
21) trans-1,2-Dichloroethene	4.20	96	466598	49.233	ug/l	95
22) Diisopropyl ether	5.11	45	1312692	48.830	ug/l	98
23) Vinyl Acetate	5.05	43	3956316	239.416	ug/l	99
24) 1,1-Dichloroethane	4.97	63	829486	48.306	ug/l	98
25) 2-Butanone	6.06	43	494982	209.497	ug/l #	91
26) 2,2-Dichloropropane	6.01	77	812087	45.891	ug/l	99
27) cis-1,2-Dichloroethene	6.02	96	466294	45.891	ug/l	94
28) Bromochloromethane	6.42	49	11862	1.734	ug/l #	47
29) Tetrahydrofuran	6.46	42	255156	228.098	ug/l	99
30) Chloroform	6.65	83	1045878	49.079	ug/l	96
31) Cyclohexane	6.94	56	485929	45.147	ug/l	98
32) 1,1,1-Trichloroethane	6.86	97	1031165	50.027	ug/l	97
36) 1,1-Dichloropropene	7.14	75	664855	52.345	ug/l	97
37) Ethyl Acetate	6.17	43	275954	48.360	ug/l	97
38) Carbon Tetrachloride	7.11	117	1111871	58.147	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	528086	49.902	ug/l	94
40) Benzene	7.45	78	1386207	52.074	ug/l	99
41) Methacrylonitrile	6.44	41	351212	51.453	ug/l #	86
42) 1,2-Dichloroethane	7.57	62	745255	52.825	ug/l	98
43) Isopropyl Acetate	9.23	43	377567	51.799	ug/l #	96
44) Trichloroethene	8.53	130	533392	49.449	ug/l	100
45) 1,2-Dichloropropane	8.93	63	350509	51.804	ug/l	93
46) Dibromomethane	9.06	93	292688	52.025	ug/l	95
47) Bromodichloromethane	9.37	83	797919	55.639	ug/l	97
48) Methyl methacrylate	9.11	41	249094	52.691	ug/l	93
49) 1,4-Dioxane	9.08	88	41754	1042.802	ug/l	96
51) 4-Methyl-2-Pentanone	10.30	43	1322264	266.734	ug/l	99
52) Toluene	10.50	92	962159	54.344	ug/l	98
53) t-1,3-Dichloropropene	10.91	75	646305	52.273	ug/l	95
54) cis-1,3-Dichloropropene	10.03	75	703748	54.159	ug/l	99
55) 1,1,2-Trichloroethane	11.18	97	319695	53.465	ug/l	96
56) Ethyl methacrylate	11.03	69	355623	54.312	ug/l	97
57) 1,3-Dichloropropane	11.40	76	488311	51.830	ug/l	89
58) 2-Chloroethyl Vinyl ether	9.85	63	827112	242.763	ug/l	99
59) 2-Hexanone	11.53	43	957165	267.934	ug/l	94
60) Dibromochloromethane	11.68	129	614585	54.444	ug/l	95
61) 1,2-Dibromoethane	11.80	107	389924	52.847	ug/l	99
64) Tetrachloroethene	11.25	164	490304	49.500	ug/l	98
65) Chlorobenzene	12.39	112	1186889	49.630	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	547820	52.004	ug/l	97
67) Ethyl Benzene	12.52	91	2024953	49.844	ug/l	99
68) m/p-Xylenes	12.67	106	1426963	95.778	ug/l	99
69) o-Xylene	13.04	106	711601	52.012	ug/l	95
70) Styrene	13.07	104	1154188	47.569	ug/l	99
71) Bromoform	13.23	173	378848	49.454	ug/l	95
73) Isopropylbenzene	13.40	105	2081476	49.445	ug/l	99
74) N-amyl acetate	13.26	43	554161	49.796	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.69	83	336887	47.112	ug/l	94
76) 1,2,3-Trichloropropane	13.73	75	390913	48.523	ug/l	95
77) Bromobenzene	13.66	156	575324	47.975	ug/l	98
78) n-propylbenzene	13.77	91	2440449	48.715	ug/l	99
79) 2-Chlorotoluene	13.84	91	1421151	48.959	ug/l	99
80) 1,3,5-Trimethylbenzene	13.93	105	1710413	47.108	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	98929	44.223	ug/l	86
82) 4-Chlorotoluene	13.95	91	1667822	48.822	ug/l	98
83) tert-Butylbenzene	14.18	119	1971263	47.549	ug/l	99
84) 1,2,4-Trimethylbenzene	14.23	105	1757535	46.799	ug/l	99
85) sec-Butylbenzene	14.36	105	1964563	44.978	ug/l	98
86) p-Isopropyltoluene	14.49	119	2032544	48.755	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	1042859	49.105	ug/l	99
88) 1,4-Dichlorobenzene	14.54	146	1015371	47.281	ug/l	97
89) n-Butylbenzene	14.79	91	1828716	50.789	ug/l	97
90) Hexachloroethane	15.00	117	526051	48.433	ug/l	92
91) 1,2-Dichlorobenzene	14.80	146	923088	49.887	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	71148	48.846	ug/l	92

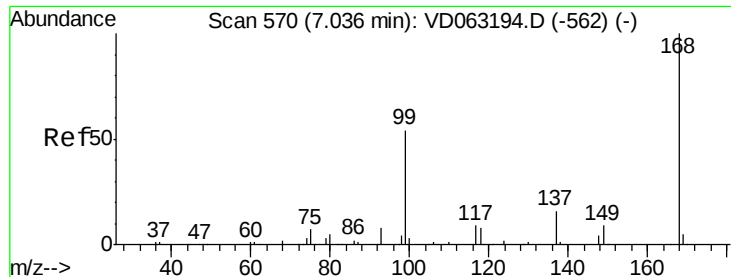
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD072919\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	692697	47.190	ug/l	97
94) Hexachlorobutadiene	16.04	225	527651	49.603	ug/l	99
95) Naphthalene	16.12	128	1002818	48.335	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	558489	48.161	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.00 min

Lab File: VD063210.D

Acq: 29 Jul 2019 20:19

Instrument :

MSVOA_D

ClientSampleId :

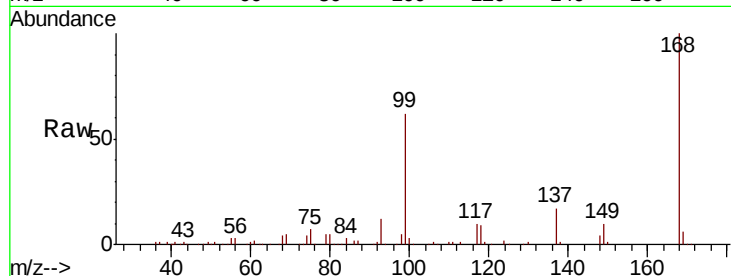
VSTDCCC050EC

Tot Ion:168 Resp: 1088971

Ion Ratio Lower Upper

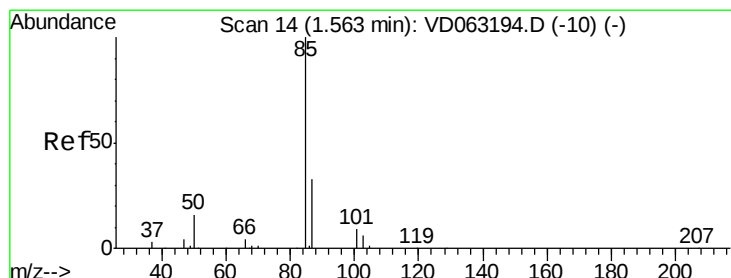
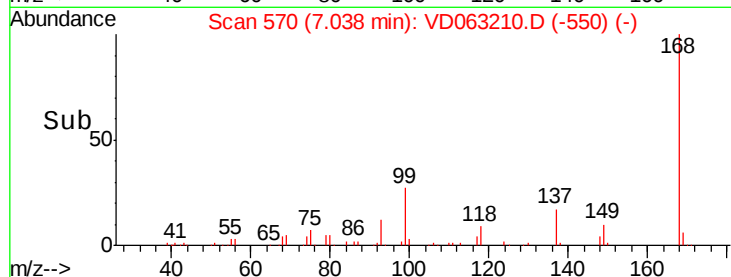
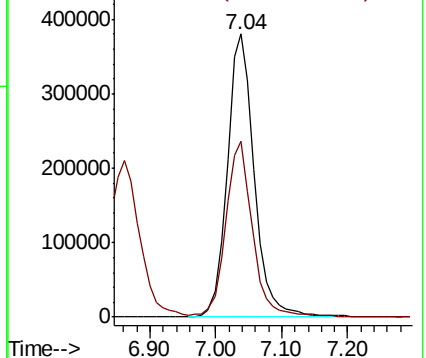
168 100

99 62.0 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 44.853 ug/l

RT: 1.56 min Scan# 14

Delta R.T. 0.00 min

Lab File: VD063210.D

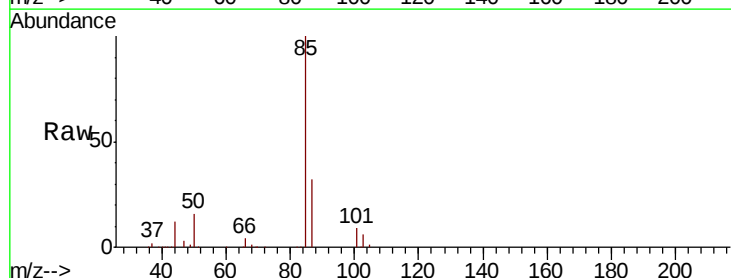
Acq: 29 Jul 2019 20:19

Tgt Ion: 85 Resp: 597049

Ion Ratio Lower Upper

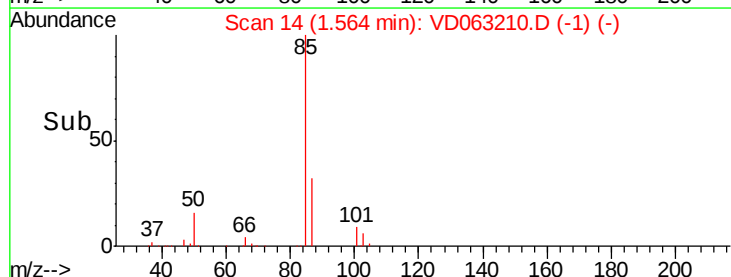
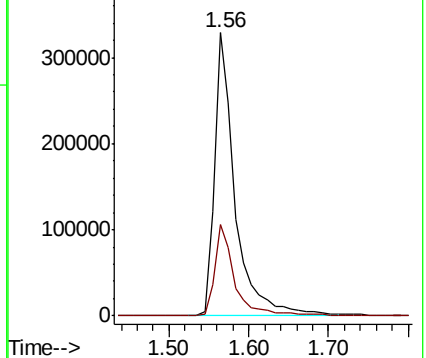
85 100

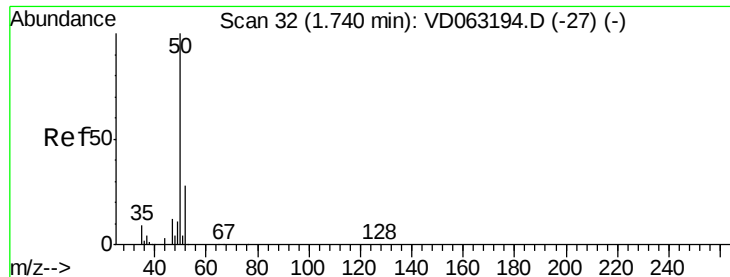
87 32.2 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 45.614 ug/l

RT: 1.74 min Scan# 32

Delta R.T. 0.00 min

Lab File: VD063210.D

Acq: 29 Jul 2019 20:19

Instrument :

MSVOA_D

ClientSampleId :

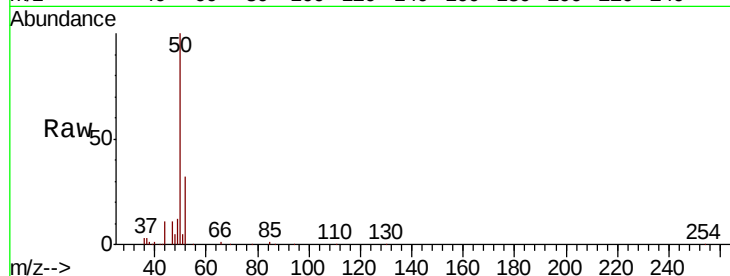
VSTDCCC050EC

Tot Ion: 50 Resp: 471740

Ion Ratio Lower Upper

50 100

52 31.8 22.6 34.0



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.74

150000

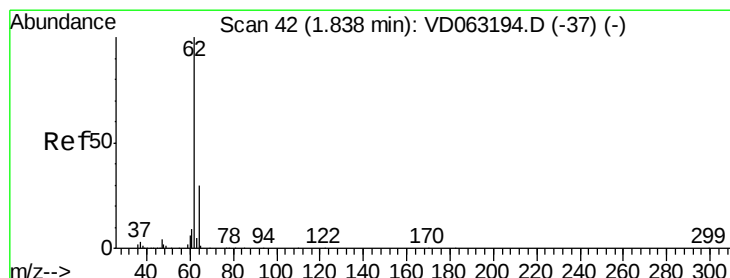
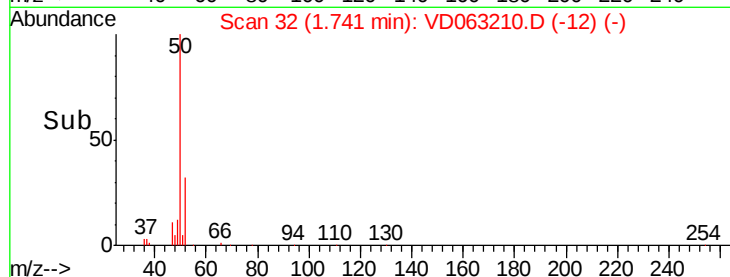
100000

50000

0

Time-->

1.60 1.70 1.80 1.90



#4

Vinyl Chloride

Concen: 44.819 ug/l

RT: 1.84 min Scan# 42

Delta R.T. 0.00 min

Lab File: VD063210.D

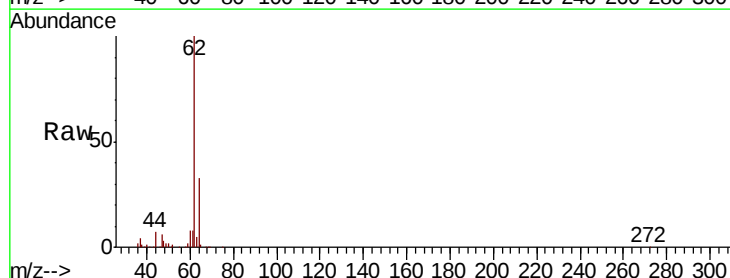
Acq: 29 Jul 2019 20:19

Tgt Ion: 62 Resp: 479846

Ion Ratio Lower Upper

62 100

64 32.6 24.1 36.1



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.84

300000

250000

200000

150000

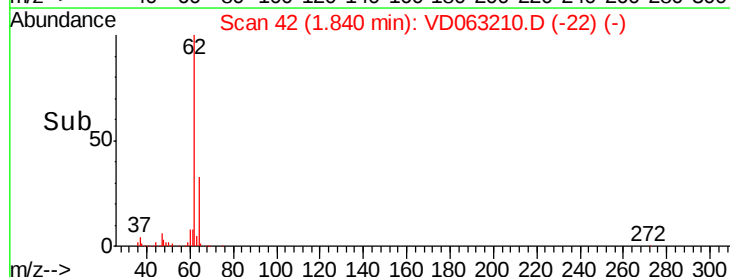
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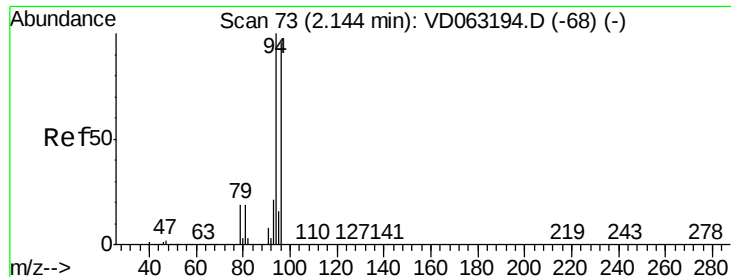
50000

0

Time-->

1.70 1.80 1.90 2.00





#5

Bromomethane

Concen: 51.722 ug/l

RT: 2.14 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD063210.D

Acq: 29 Jul 2019 20:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

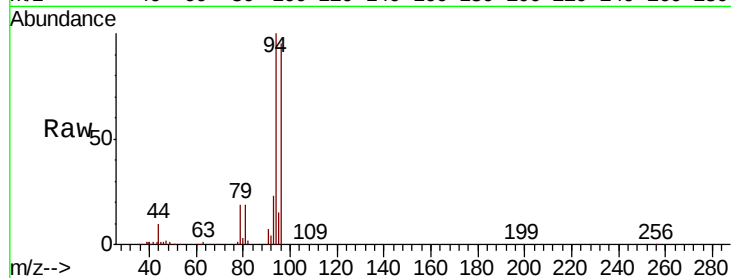
Tot Ion: 94 Resp: 279283

Ion Ratio Lower Upper

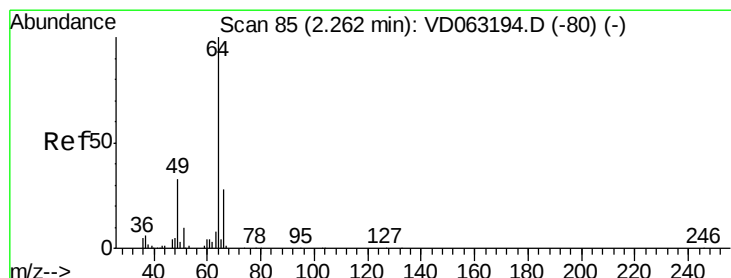
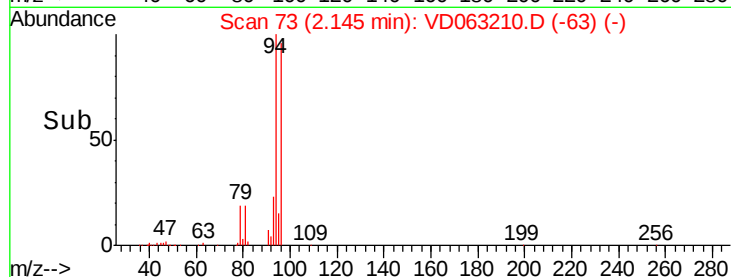
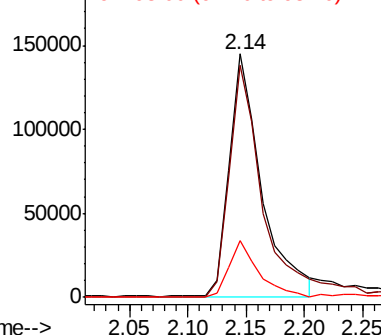
94 100

96 95.5 76.4 114.6

93 23.2 17.3 25.9



Abundance Ion 94.00 (93.70 to 94.70): VDC
Ion 96.00 (95.70 to 96.70): VDC
Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 45.084 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.00 min

Lab File: VD063210.D

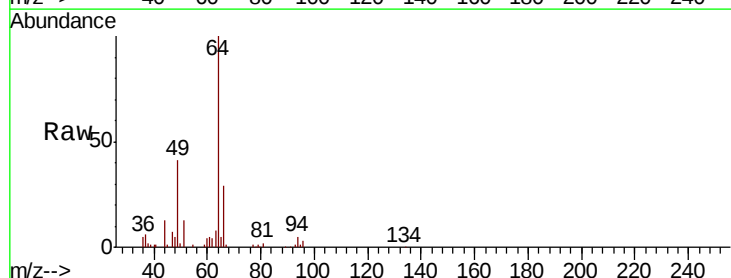
Acq: 29 Jul 2019 20:19

Tgt Ion: 64 Resp: 222850

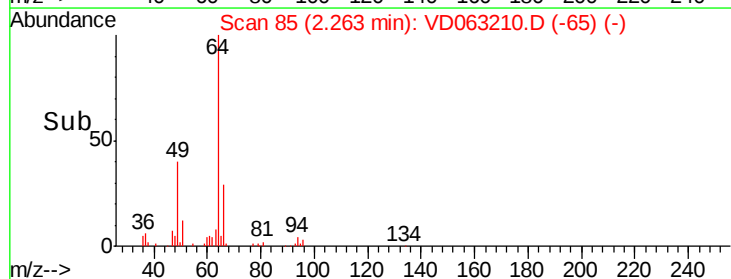
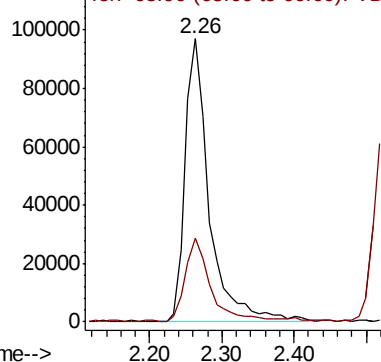
Ion Ratio Lower Upper

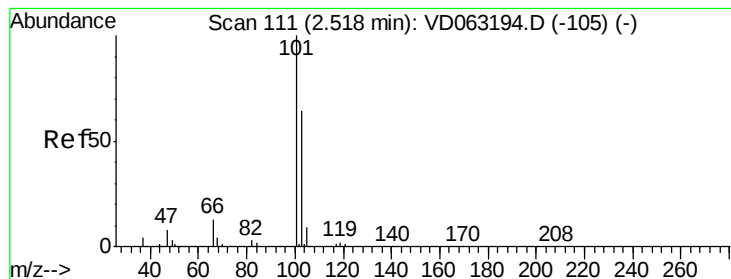
64 100

66 29.5 22.2 33.2



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC



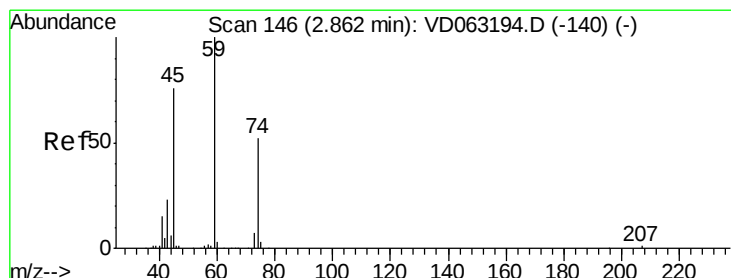
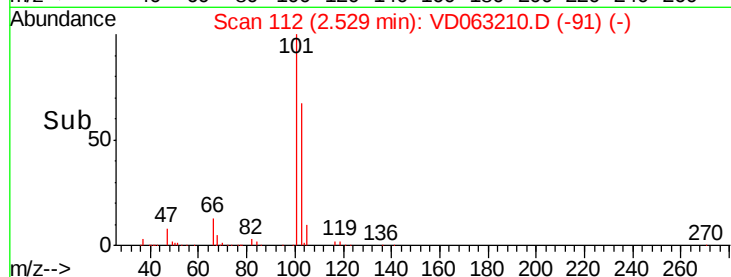
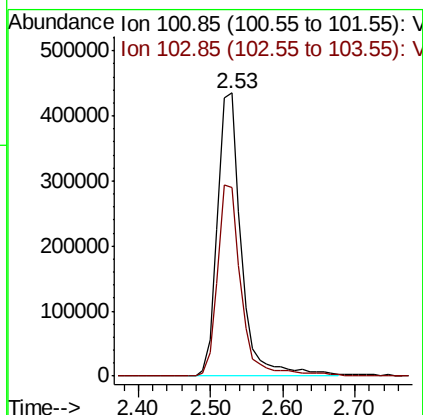
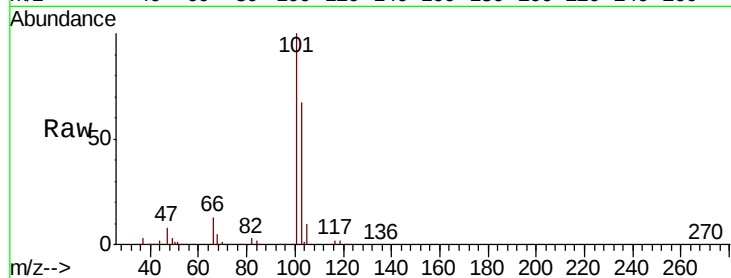


#7

Trichlorofluoromethane
 Concen: 47.743 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. 0.01 min
 Lab File: VD063210.D
 Acq: 29 Jul 2019 20:19

Instrument :
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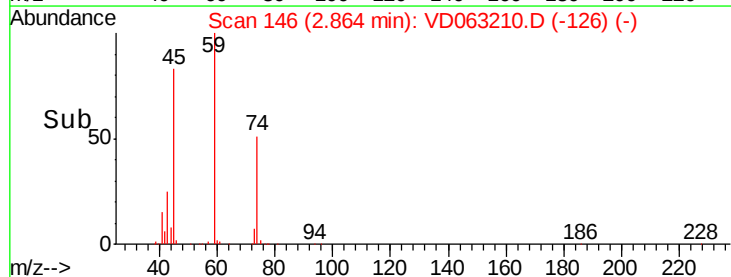
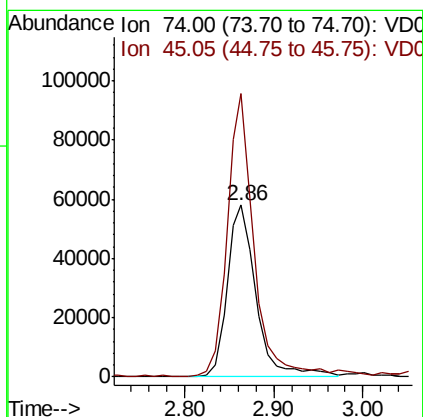
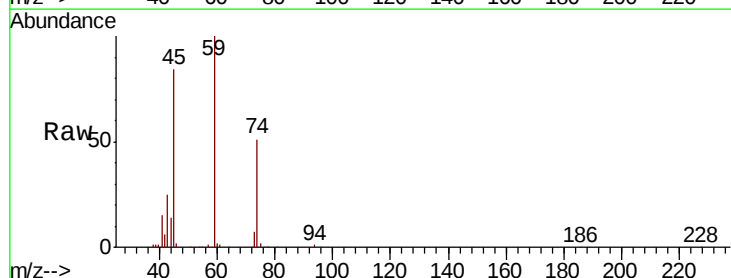
Tot Ion:101 Resp: 991632
 Ion Ratio Lower Upper
 101 100
 103 66.6 51.5 77.3

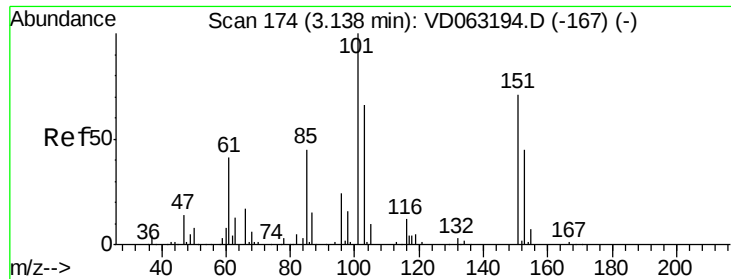


#8

Diethyl Ether
 Concen: 45.312 ug/l
 RT: 2.86 min Scan# 146
 Delta R.T. 0.00 min
 Lab File: VD063210.D
 Acq: 29 Jul 2019 20:19

Tgt Ion: 74 Resp: 131716
 Ion Ratio Lower Upper
 74 100
 45 164.8 73.6 220.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.028 ug/l

RT: 3.14 min Scan# 174

Delta R.T. 0.00 min

Lab File: VD063210.D

Acq: 29 Jul 2019 20:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

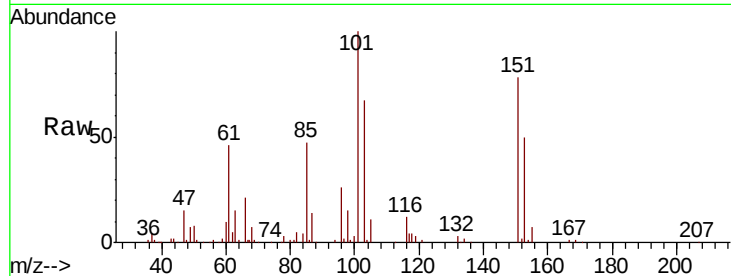
Tot Ion:101 Resp: 552585

Ion Ratio Lower Upper

101 100

85 46.7 36.1 54.1

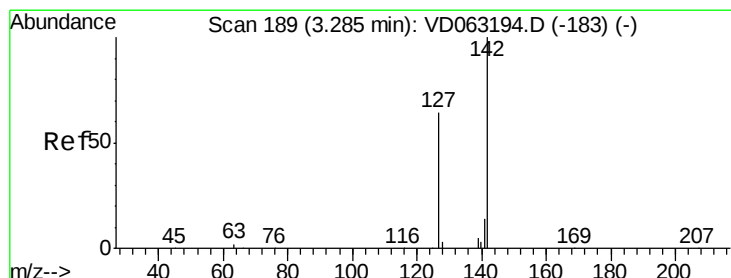
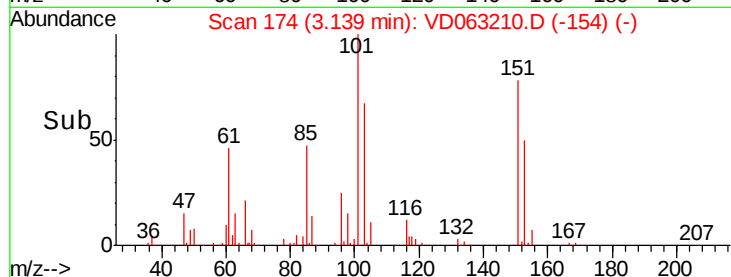
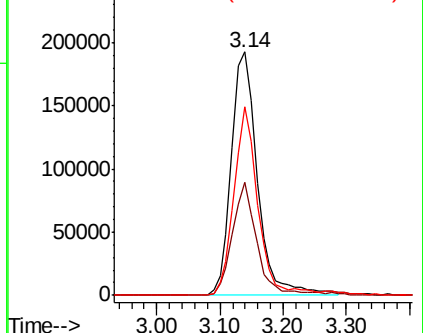
151 77.6 57.1 85.7



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: 50.933 ug/l

RT: 3.30 min Scan# 190

Delta R.T. 0.01 min

Lab File: VD063210.D

Acq: 29 Jul 2019 20:19

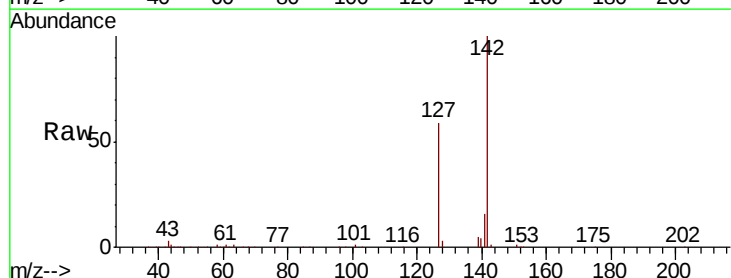
Tgt Ion:142 Resp: 846549

Ion Ratio Lower Upper

142 100

127 59.1 50.8 76.2

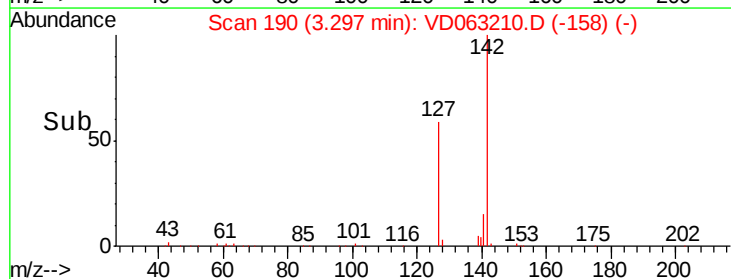
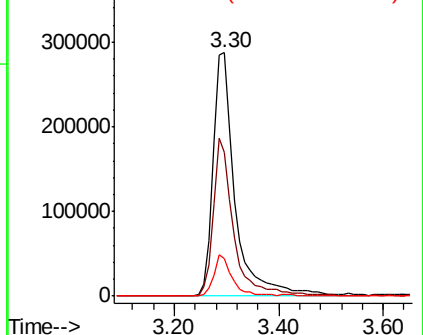
141 15.5 11.4 17.2

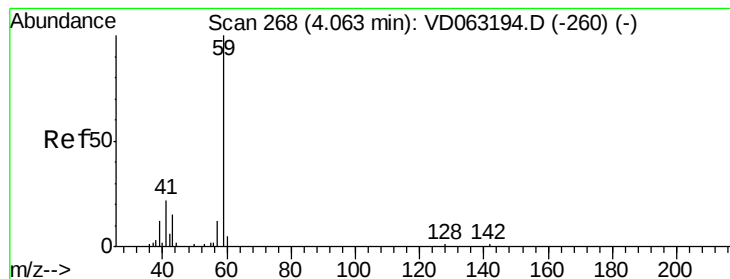


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



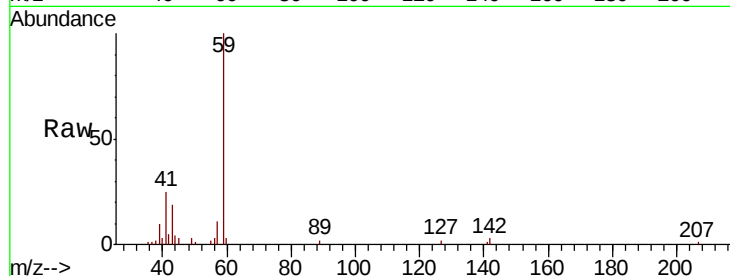


#11

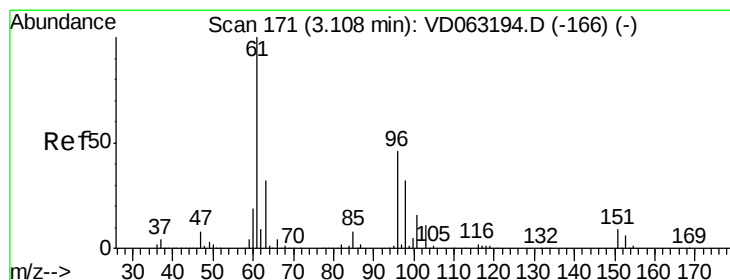
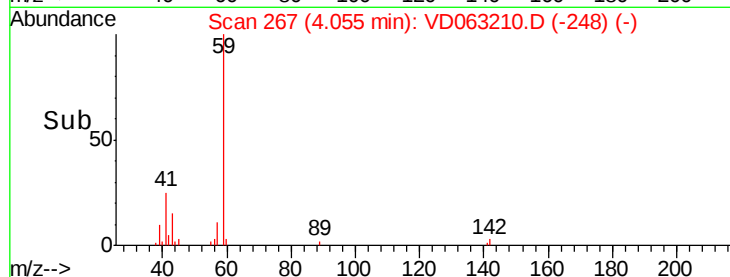
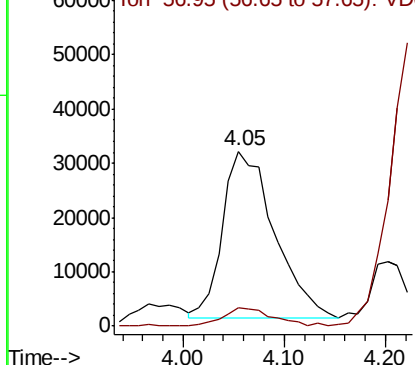
Tert butyl alcohol
Concen: 208.323 ug/l
RT: 4.05 min Scan# 267
Delta R.T. -0.01 min
Lab File: VD063210.D
Acq: 29 Jul 2019 20:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 110467
Ion Ratio Lower Upper
59 100
57 10.6 9.6 14.4



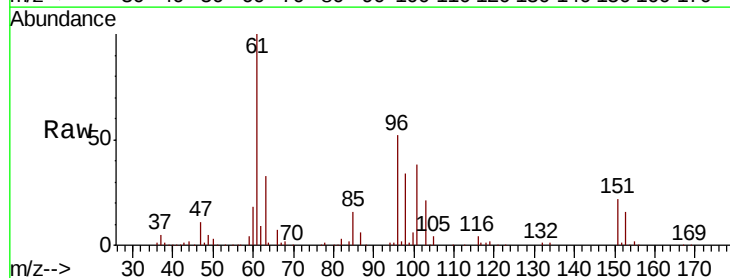
Abundance Ion 58.95 (58.65 to 59.65): VDC
Ion 56.95 (56.65 to 57.65): VDC



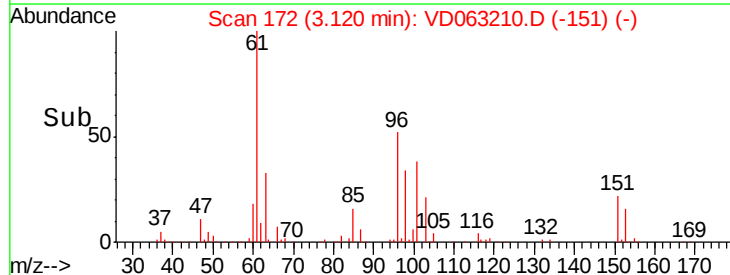
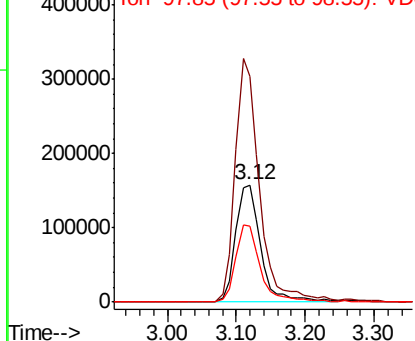
#12

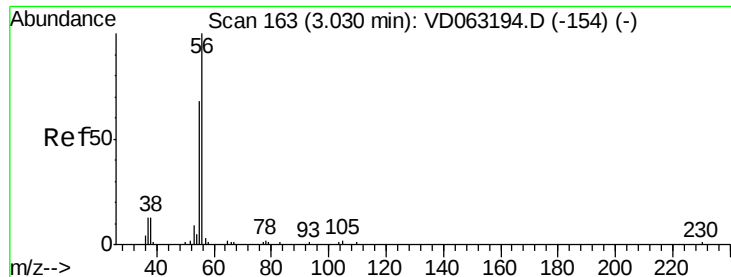
1,1-Dichloroethene
Concen: 47.294 ug/l
RT: 3.12 min Scan# 172
Delta R.T. 0.01 min
Lab File: VD063210.D
Acq: 29 Jul 2019 20:19

Tgt Ion: 96 Resp: 399465
Ion Ratio Lower Upper
96 100
61 192.9 173.7 260.5
98 65.2 55.8 83.8



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC

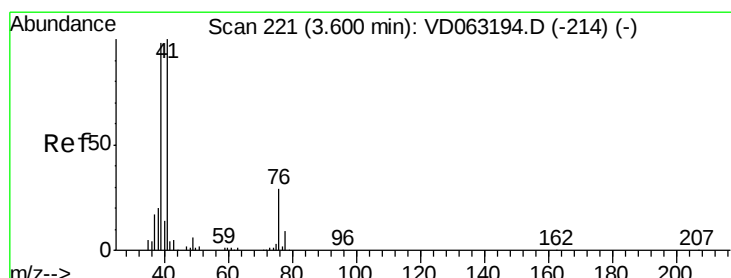
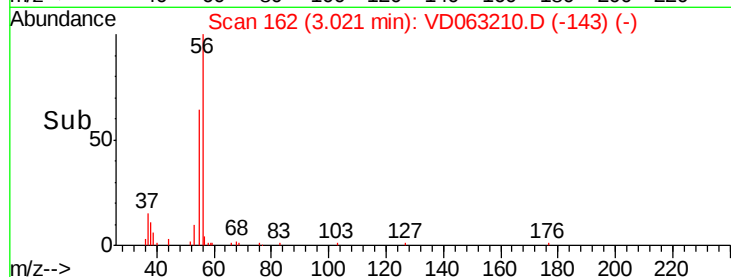
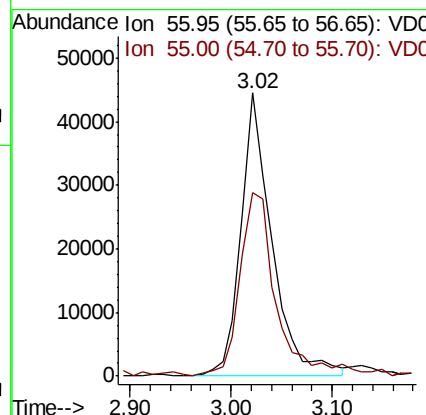
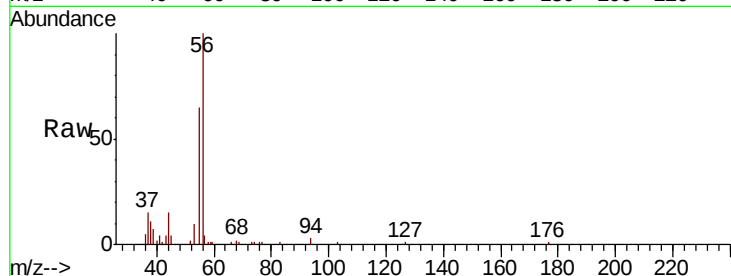




#13
Acrolein
Concen: 187.180 ug/l
RT: 3.02 min Scan# 162
Delta R.T. -0.01 min
Lab File: VD063210.D
Acq: 29 Jul 2019 20:19

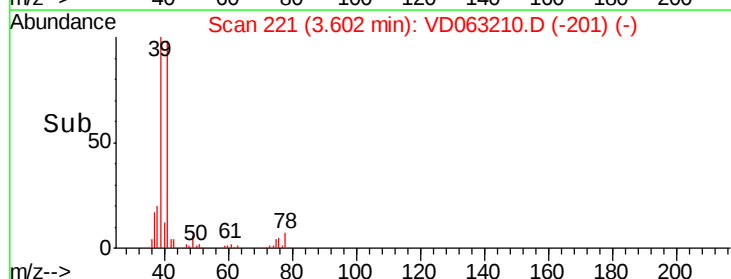
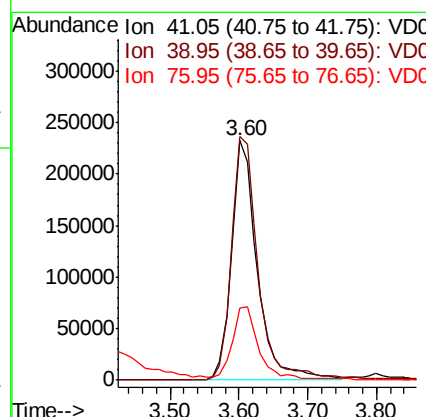
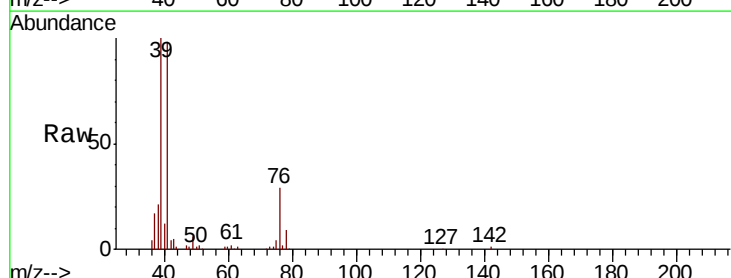
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

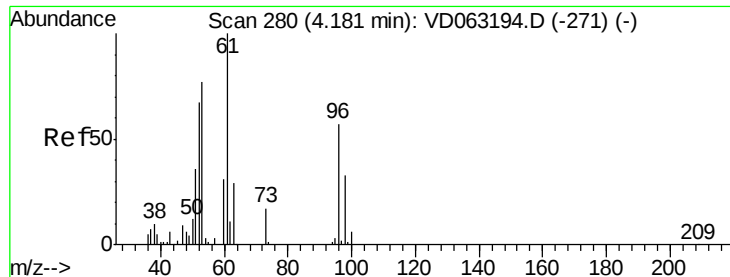
Tot Ion: 56 Resp: 95524
Ion Ratio Lower Upper
56 100
55 65.0 55.3 82.9



#14
Allyl chloride
Concen: 44.769 ug/l
RT: 3.60 min Scan# 221
Delta R.T. 0.00 min
Lab File: VD063210.D
Acq: 29 Jul 2019 20:19

Tgt Ion: 41 Resp: 602393
Ion Ratio Lower Upper
41 100
39 101.7 78.6 117.8
76 29.9 24.5 36.7





#15

Acrylonitrile

Concen: 245.348 ug/l

RT: 4.18 min Scan# 280

Delta R.T. 0.00 min

Lab File: VD063210.D

Acq: 29 Jul 2019 20:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

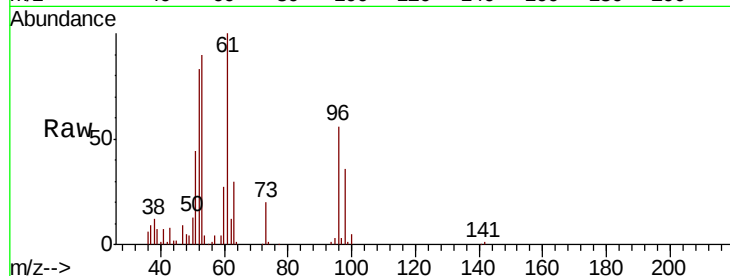
Tot Ion: 53 Resp: 337296

Ion Ratio Lower Upper

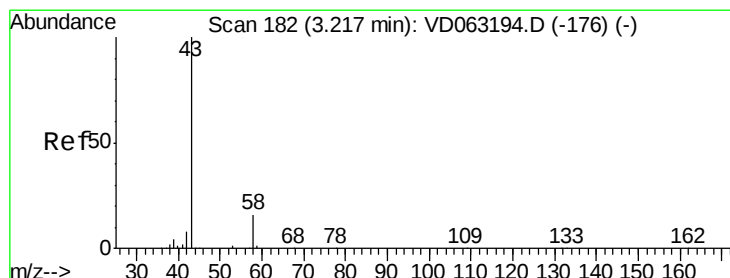
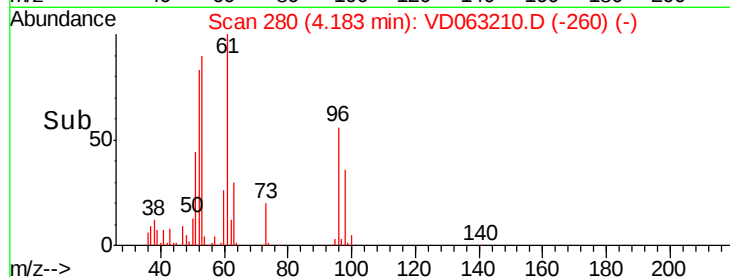
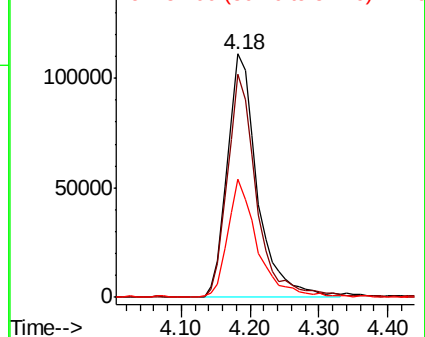
53 100

52 91.9 69.7 104.5

51 48.8 37.4 56.0



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: 217.157 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.00 min

Lab File: VD063210.D

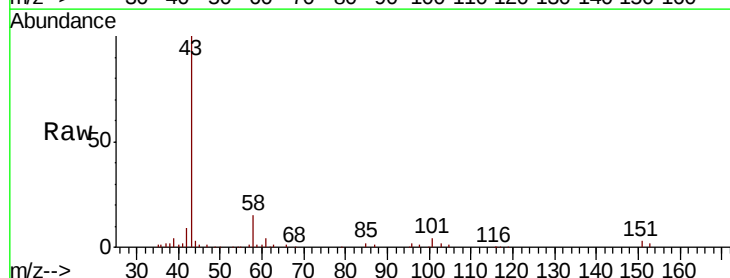
Acq: 29 Jul 2019 20:19

Tgt Ion: 43 Resp: 511247

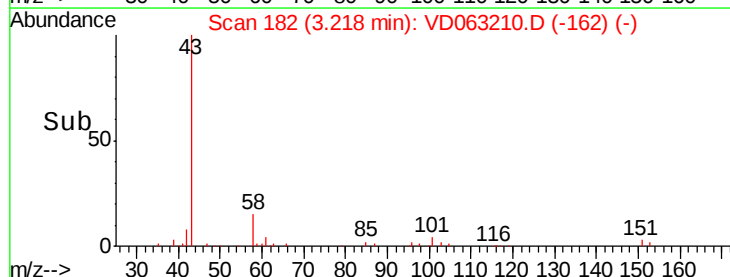
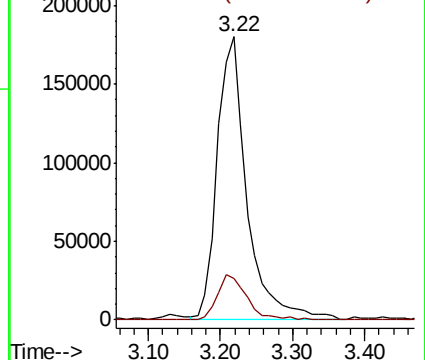
Ion Ratio Lower Upper

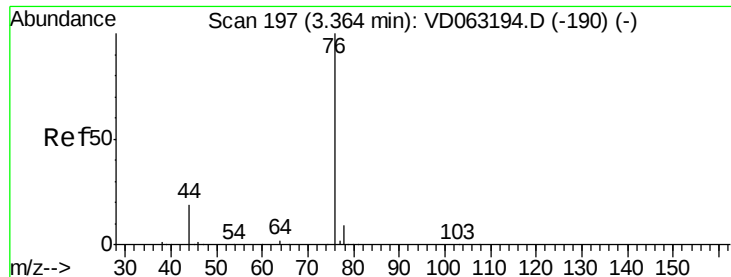
43 100

58 14.9 13.0 19.4



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

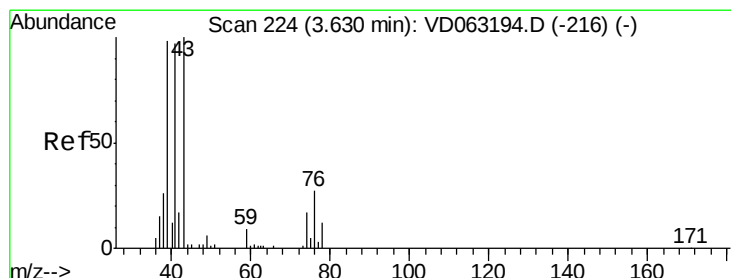
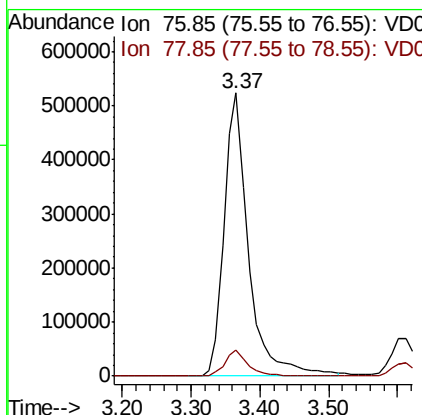
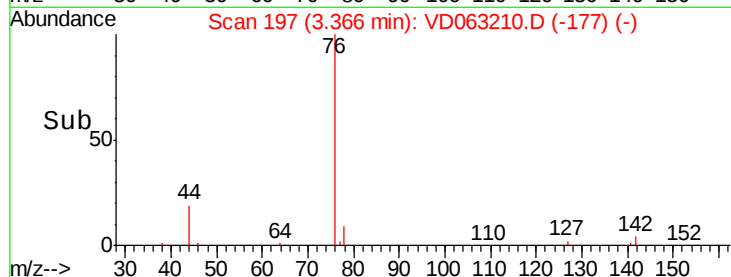
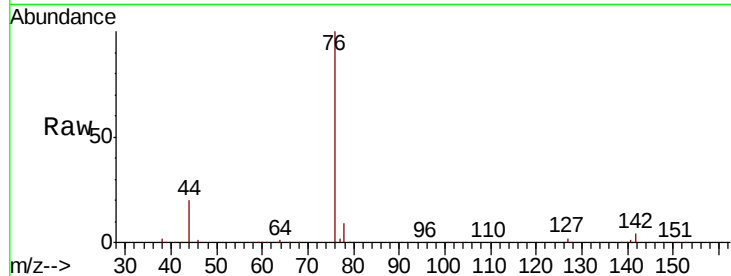




#17
Carbon Disulfide
Concen: 45.332 ug/l
RT: 3.37 min Scan# 197
Delta R.T. 0.00 min
Lab File: VD063210.D
Acq: 29 Jul 2019 20:19

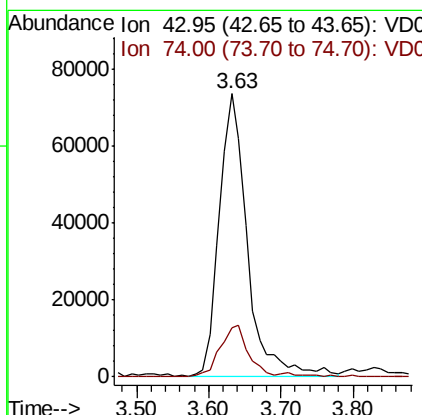
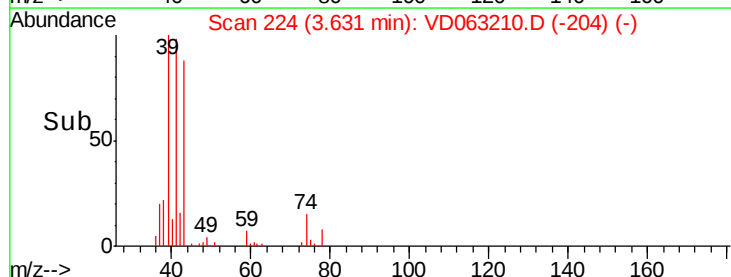
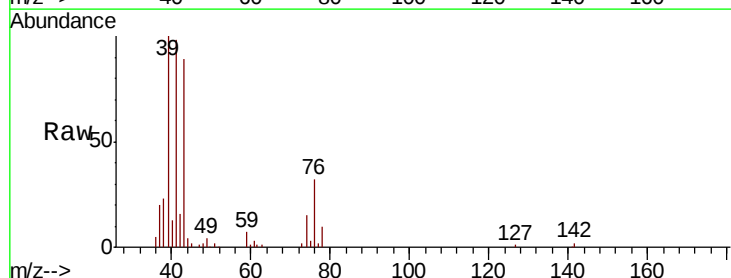
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

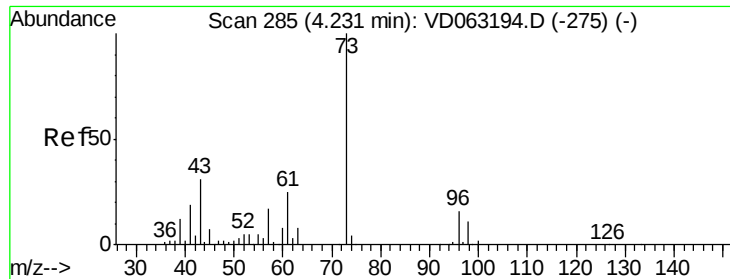
Tot Ion: 76 Resp: 1281587
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.2



#18
Methyl Acetate
Concen: 44.167 ug/l
RT: 3.63 min Scan# 224
Delta R.T. 0.00 min
Lab File: VD063210.D
Acq: 29 Jul 2019 20:19

Tgt Ion: 43 Resp: 199728
Ion Ratio Lower Upper
43 100
74 17.2 13.8 20.8

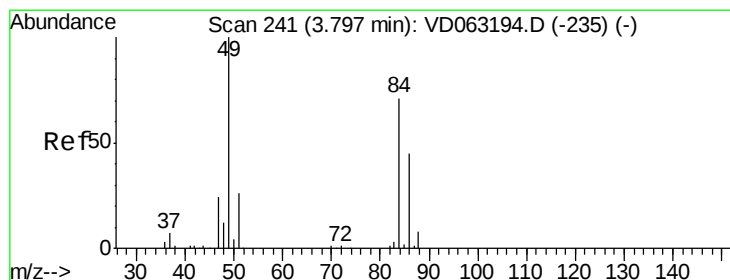
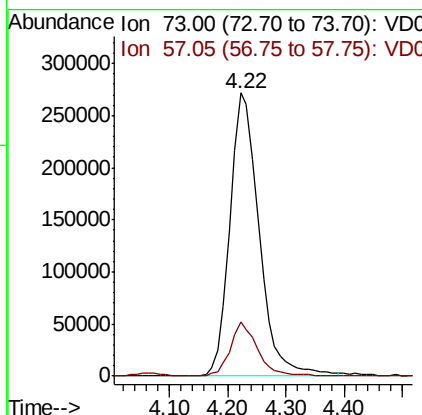
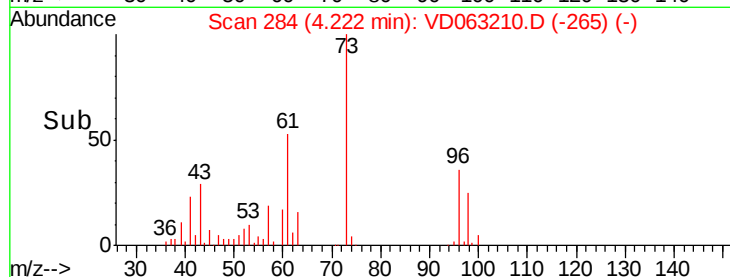
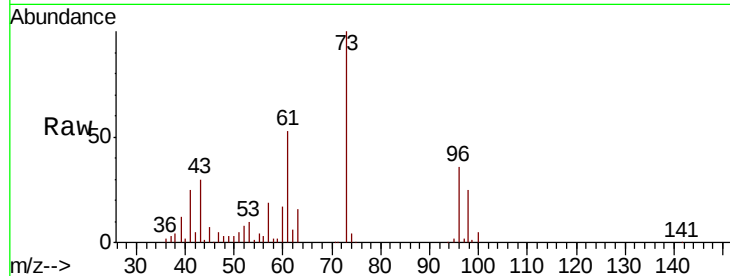




#19
Methyl tert-butyl Ether
Concen: 50.002 ug/l
RT: 4.22 min Scan# 284
Delta R.T. -0.01 min
Lab File: VD063210.D
Acq: 29 Jul 2019 20:19

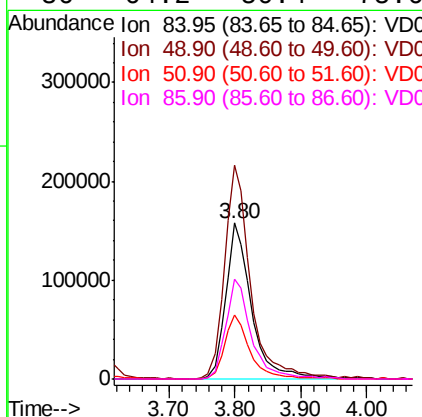
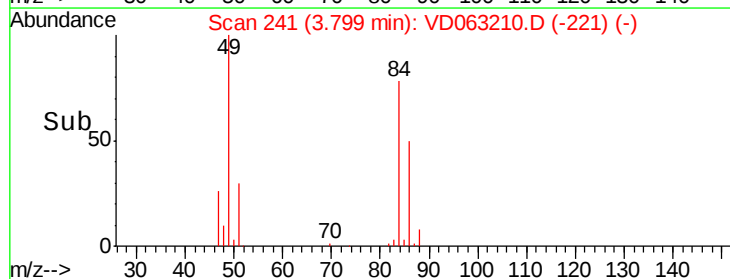
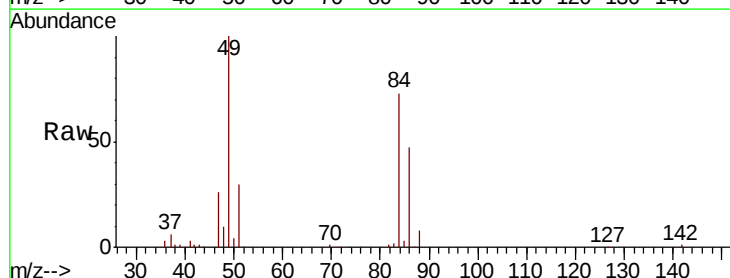
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

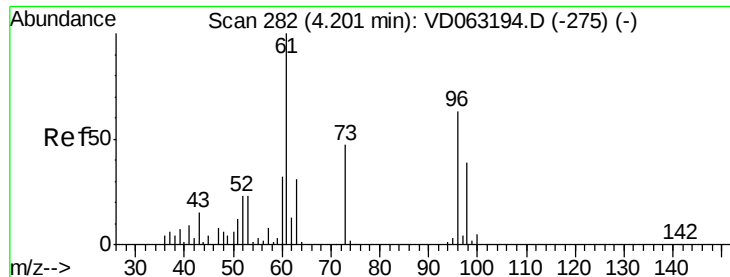
Tot Ion: 73 Resp: 954006
Ion Ratio Lower Upper
73 100
57 19.2 13.8 20.6



#20
Methylene Chloride
Concen: 45.082 ug/l
RT: 3.80 min Scan# 241
Delta R.T. 0.00 min
Lab File: VD063210.D
Acq: 29 Jul 2019 20:19

Tgt Ion: 84 Resp: 429009
Ion Ratio Lower Upper
84 100
49 137.1 112.5 168.7
51 41.5 29.6 44.4
86 64.2 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 49.233 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.00 min

Lab File: VD063210.D

Acq: 29 Jul 2019 20:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

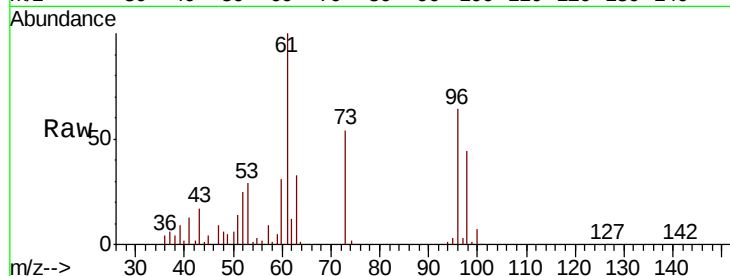
Tot Ion: 96 Resp: 466598

Ion Ratio Lower Upper

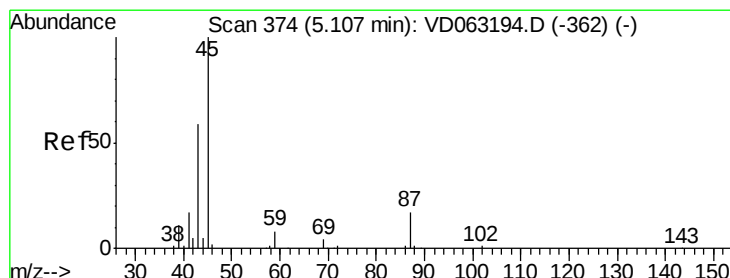
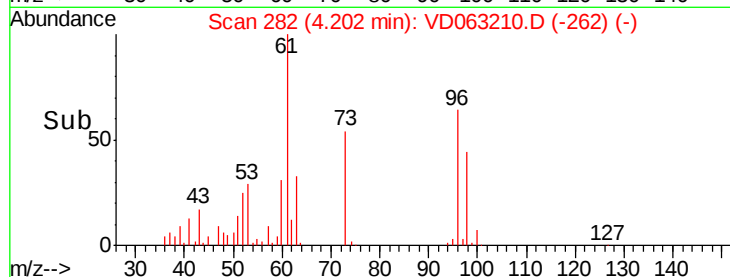
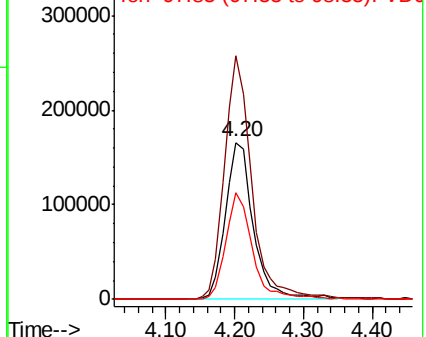
96 100

61 155.2 127.4 191.2

98 68.4 49.3 73.9



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 48.830 ug/l

RT: 5.11 min Scan# 374

Delta R.T. 0.00 min

Lab File: VD063210.D

Acq: 29 Jul 2019 20:19

Tgt Ion: 45 Resp: 1312692

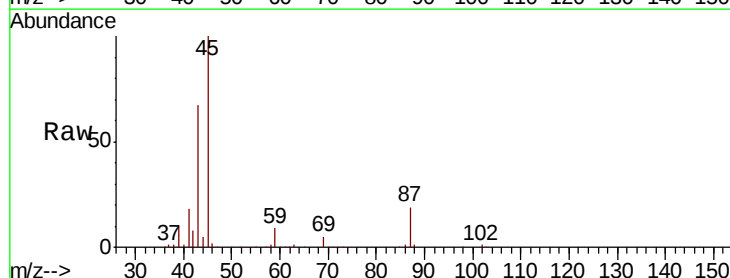
Ion Ratio Lower Upper

45 100

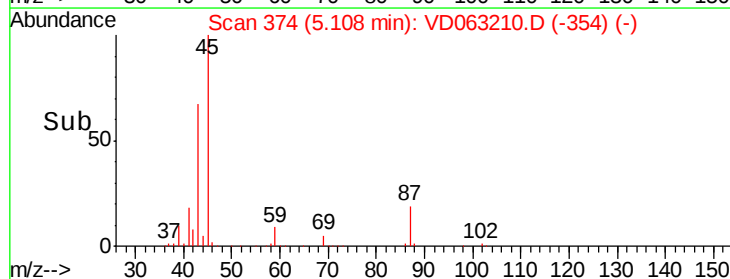
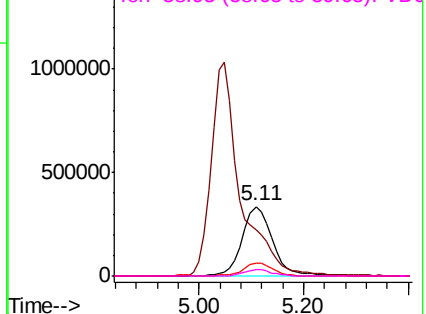
43 66.6 51.7 77.5

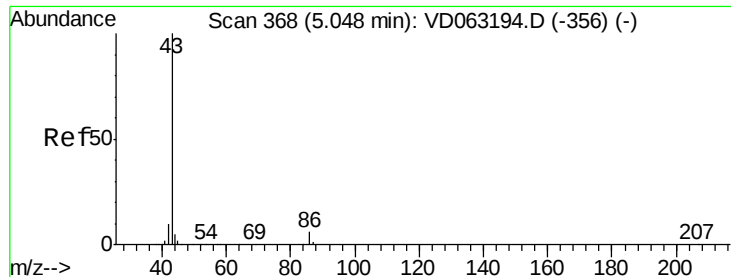
87 18.5 14.6 21.8

59 9.4 6.6 10.0



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 239.416 ug/l

RT: 5.05 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD063210.D

Acq: 29 Jul 2019 20:19

Instrument :

MSVOA_D

ClientSampleId :

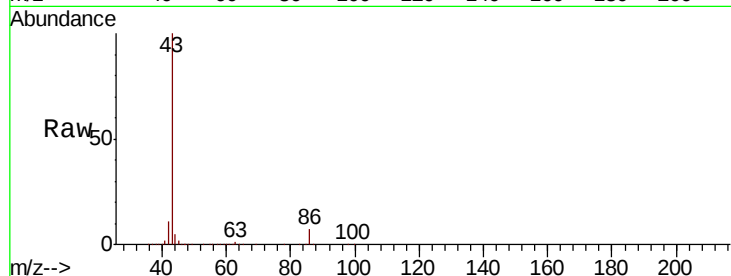
VSTDCCC050EC

Tot Ion: 43 Resp: 3956316

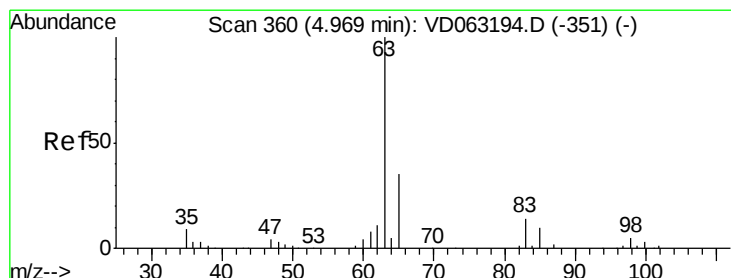
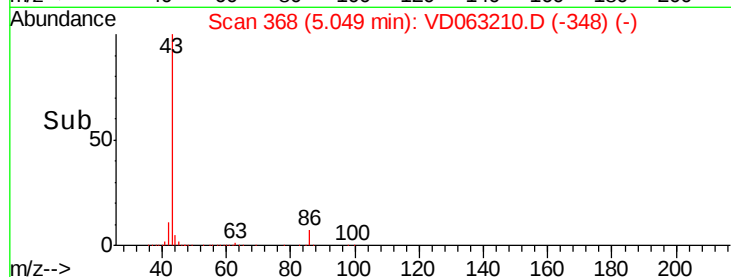
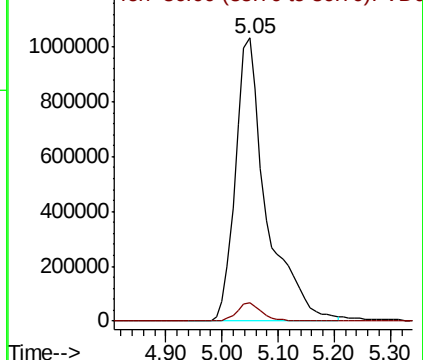
Ion Ratio Lower Upper

43 100

86 6.5 4.9 7.3



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 48.306 ug/l

RT: 4.97 min Scan# 360

Delta R.T. 0.00 min

Lab File: VD063210.D

Acq: 29 Jul 2019 20:19

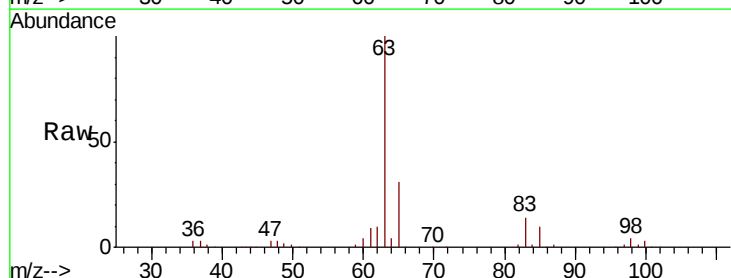
Tgt Ion: 63 Resp: 829486

Ion Ratio Lower Upper

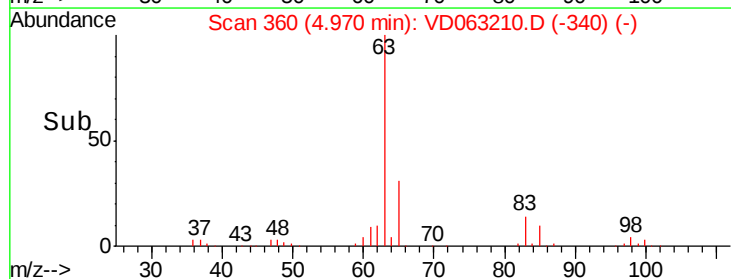
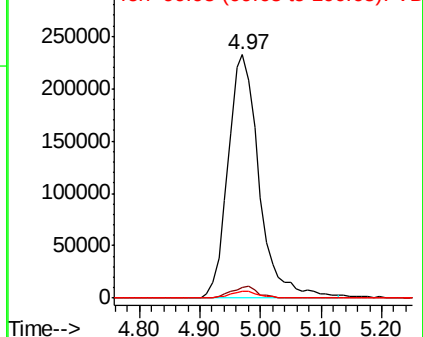
63 100

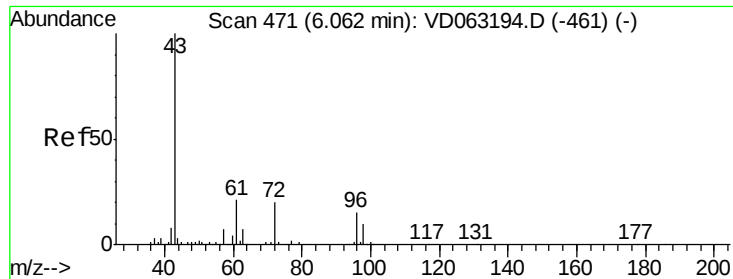
98 4.5 2.8 8.4

100 2.8 1.3 3.9



Abundance Ion 62.95 (62.65 to 63.65): VDC
Ion 97.95 (97.65 to 98.65): VDC
Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 209.497 ug/l

RT: 6.06 min Scan# 471

Delta R.T. 0.00 min

Lab File: VD063210.D

Acq: 29 Jul 2019 20:19

Instrument :

MSVOA_D

ClientSampleId :

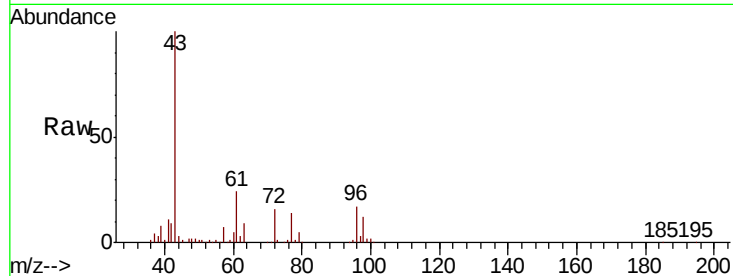
VSTDCCC050EC

Tot Ion: 43 Resp: 494982

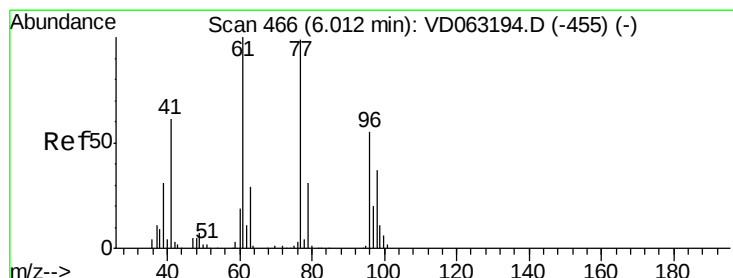
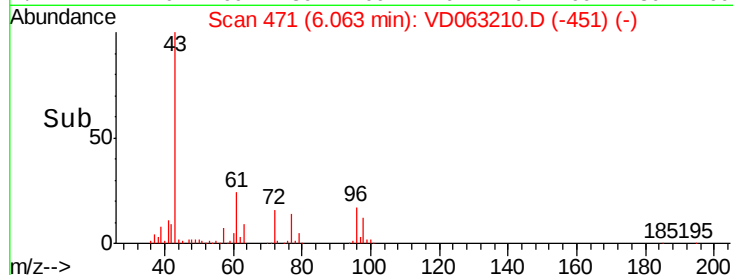
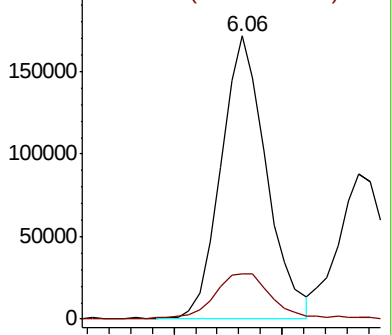
Ion Ratio Lower Upper

43 100

72 16.1 16.3 24.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 45.891 ug/l

RT: 6.01 min Scan# 466

Delta R.T. 0.00 min

Lab File: VD063210.D

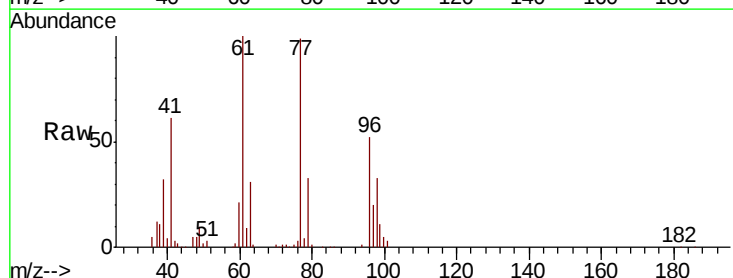
Acq: 29 Jul 2019 20:19

Tgt Ion: 77 Resp: 812087

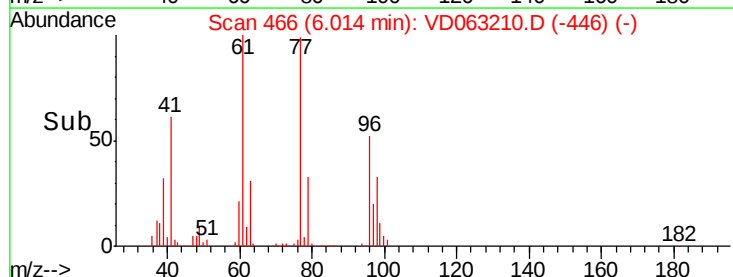
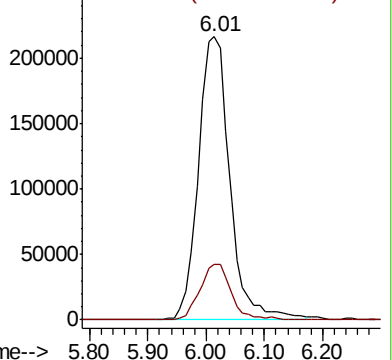
Ion Ratio Lower Upper

77 100

97 19.8 10.2 30.6



Abundance Ion 76.95 (76.65 to 77.65): VDC
Ion 96.85 (96.55 to 97.55): VDC



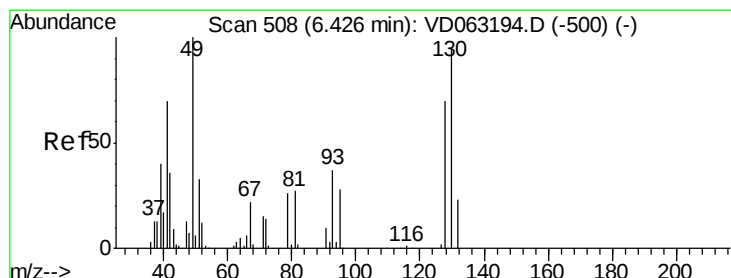
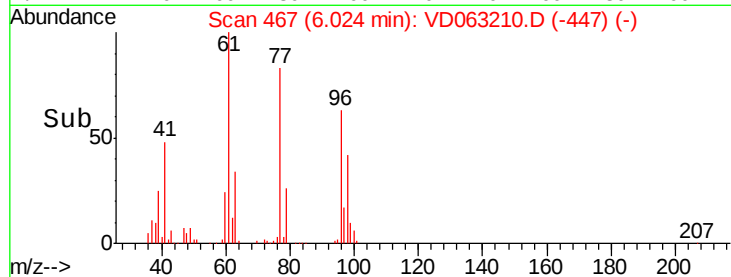
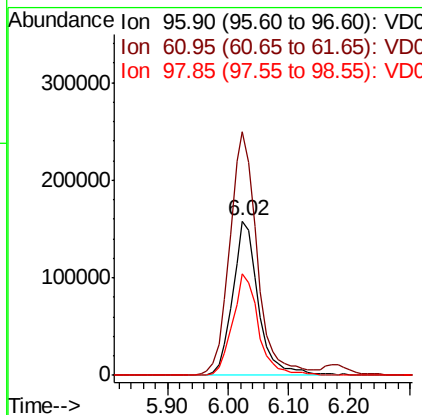
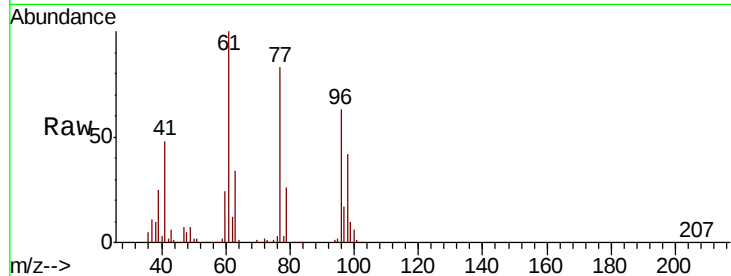


#27

cis-1,2-Dichloroethene
 Concen: 45.891 ug/l
 RT: 6.02 min Scan# 467
 Delta R.T. 0.00 min
 Lab File: VD063210.D
 Acq: 29 Jul 2019 20:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

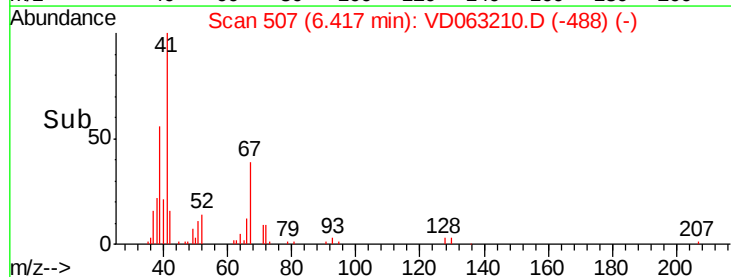
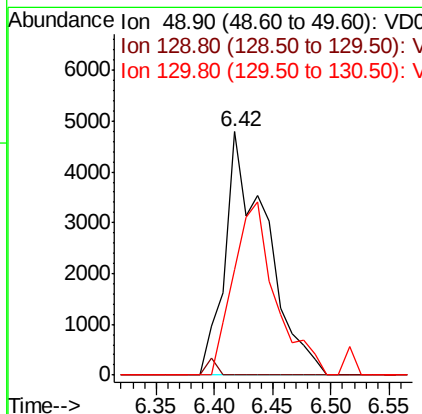
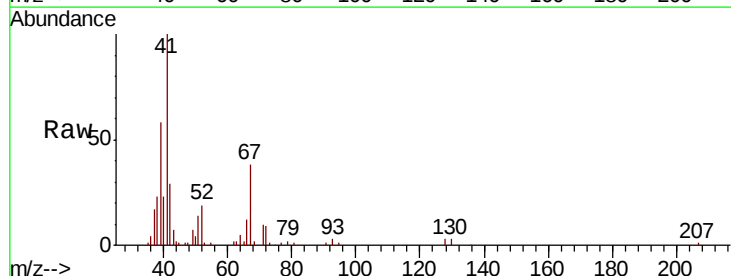
Tot Ion	96	Resp	466294
Ion	Ratio	Lower	Upper
96	100		
61	158.0	0.0	337.2
98	66.3	0.0	130.6

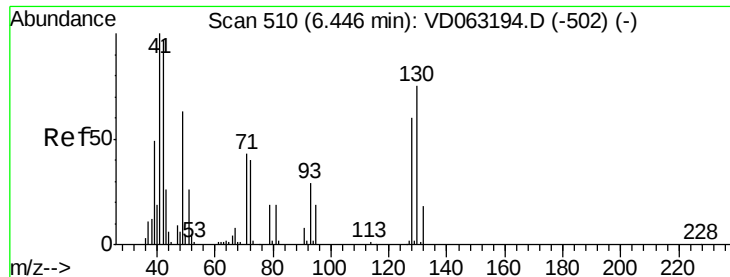


#28

Bromochloromethane
 Concen: 1.734 ug/l
 RT: 6.42 min Scan# 507
 Delta R.T. -0.01 min
 Lab File: VD063210.D
 Acq: 29 Jul 2019 20:19

Tgt Ion	49	Resp	11862
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	43.0	75.7	113.5#

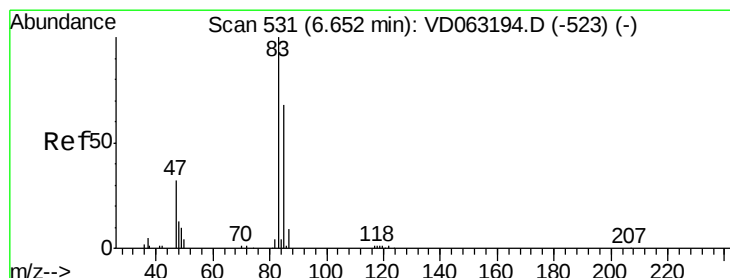
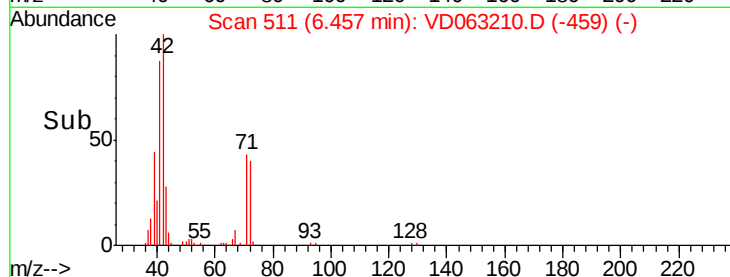
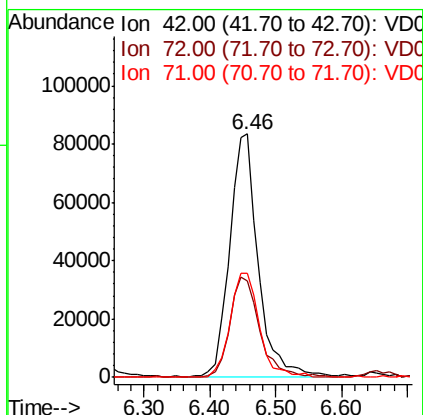
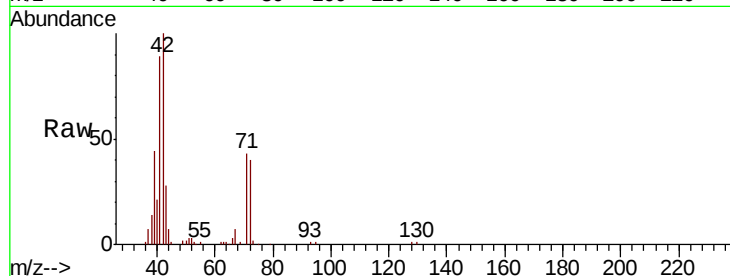




#29
Tetrahydrofuran
Concen: 228.098 ug/l
RT: 6.46 min Scan# 511
Delta R.T. 0.01 min
Lab File: VD063210.D
Acq: 29 Jul 2019 20:19

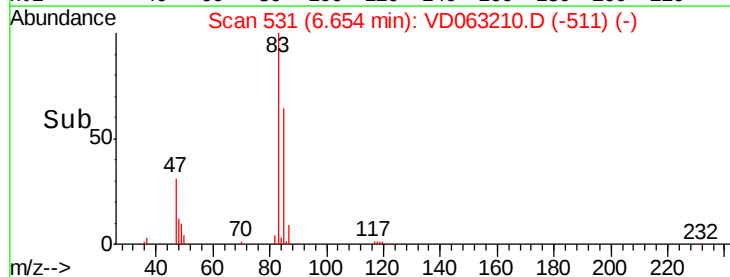
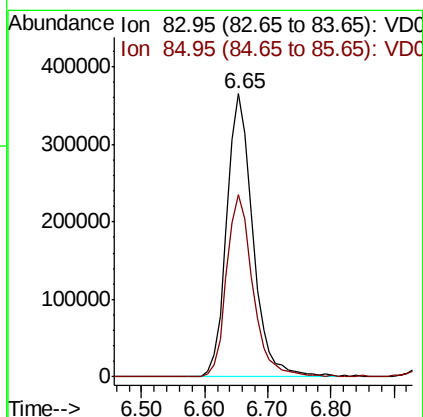
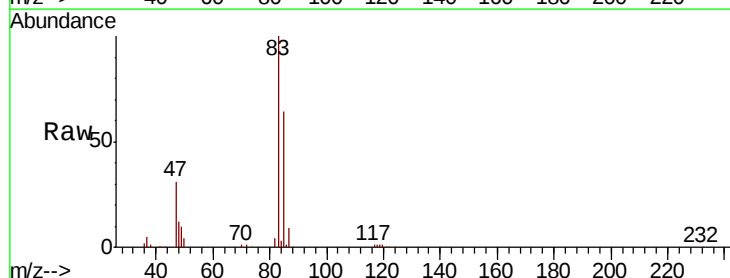
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

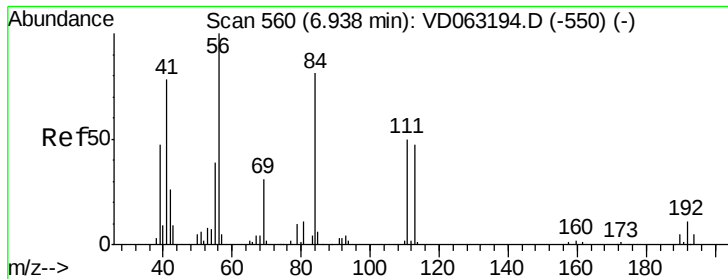
Tot Ion: 42 Resp: 255156
Ion Ratio Lower Upper
42 100
72 43.0 33.4 50.2
71 43.8 35.7 53.5



#30
Chloroform
Concen: 49.079 ug/l
RT: 6.65 min Scan# 531
Delta R.T. 0.00 min
Lab File: VD063210.D
Acq: 29 Jul 2019 20:19

Tgt Ion: 83 Resp: 1045878
Ion Ratio Lower Upper
83 100
85 64.4 54.2 81.4

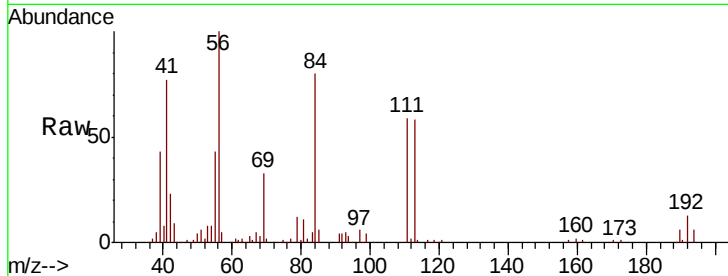




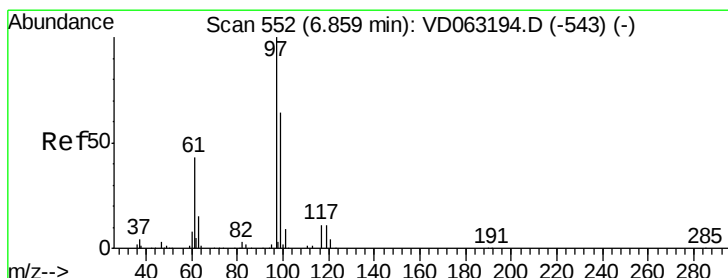
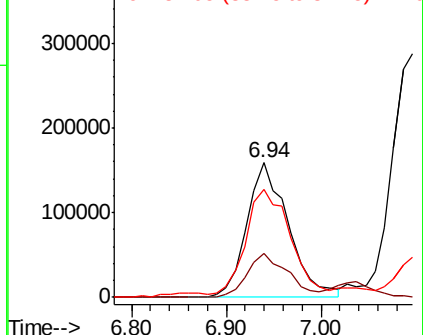
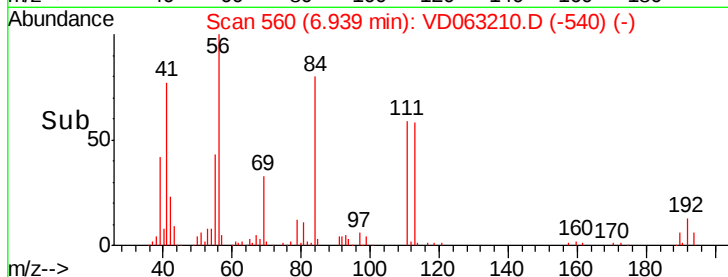
#31
Cyclohexane
Concen: 45.147 ug/l
RT: 6.94 min Scan# 560
Delta R.T. 0.00 min
Lab File: VD063210.D
Acq: 29 Jul 2019 20:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 485929
Ion Ratio Lower Upper
56 100
69 33.0 24.5 36.7
84 79.9 64.9 97.3

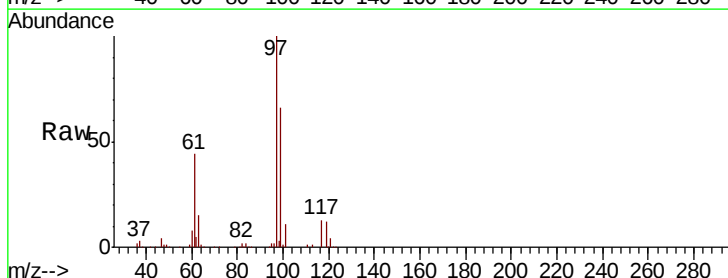


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

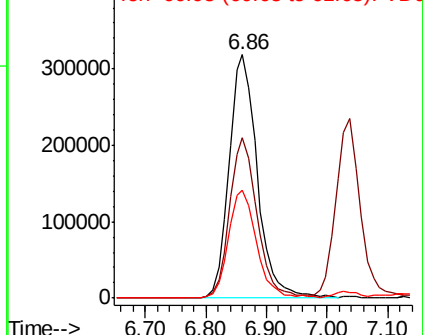
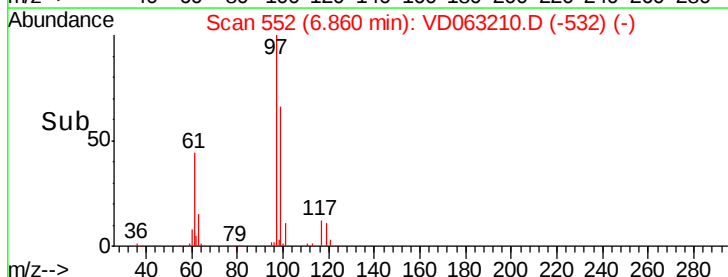


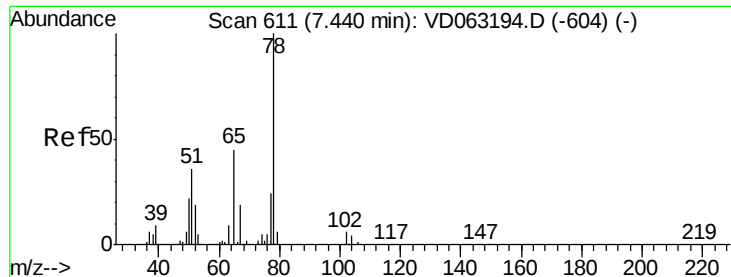
#32
1,1,1-Trichloroethane
Concen: 50.027 ug/l
RT: 6.86 min Scan# 552
Delta R.T. 0.00 min
Lab File: VD063210.D
Acq: 29 Jul 2019 20:19

Tgt Ion: 97 Resp: 1031165
Ion Ratio Lower Upper
97 100
99 66.0 51.2 76.8
61 44.2 34.2 51.2



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC

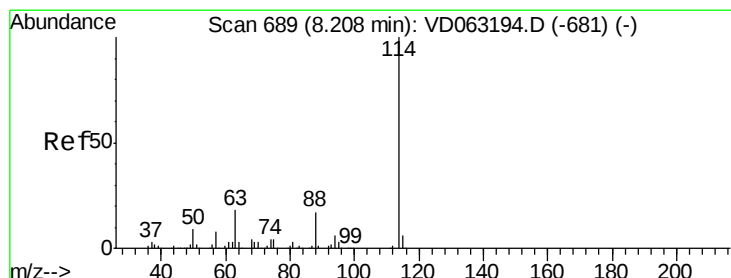
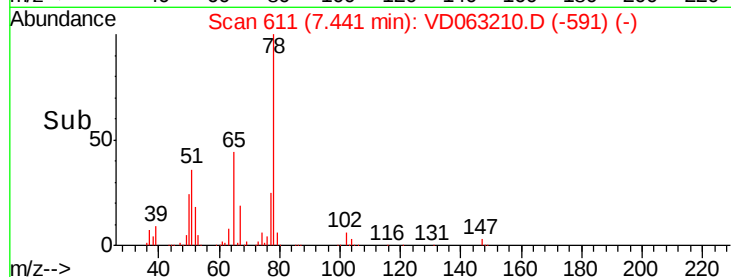
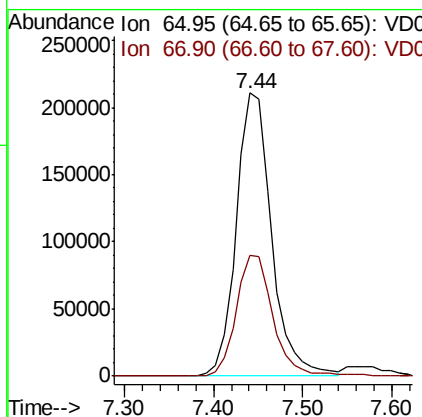
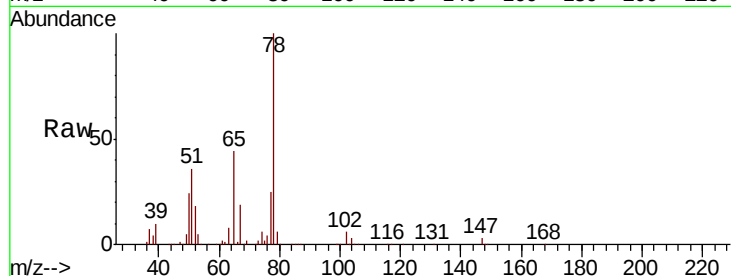




#33
 1,2-Dichloroethane-d4
 Concen: 47.931 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VD063210.D
 Acq: 29 Jul 2019 20:19

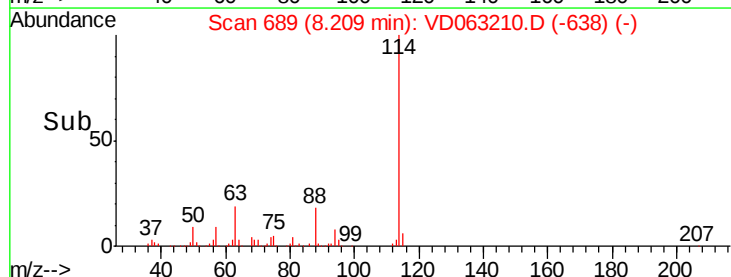
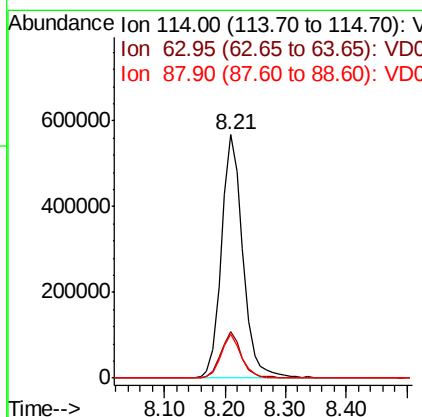
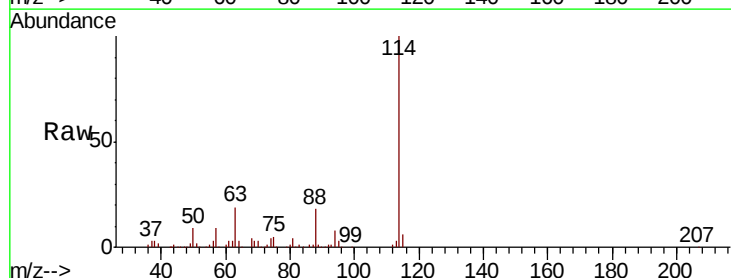
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

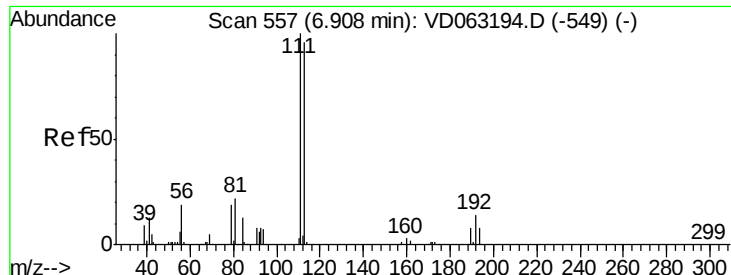
Tot Ion: 65 Resp: 579157
 Ion Ratio Lower Upper
 65 100
 67 42.5 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. 0.00 min
 Lab File: VD063210.D
 Acq: 29 Jul 2019 20:19

Tgt Ion: 114 Resp: 1391751
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 35.2
 88 18.1 0.0 34.6

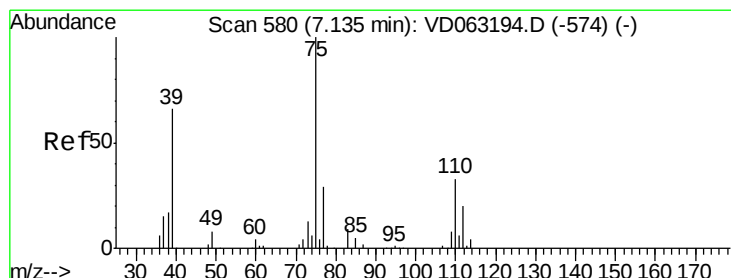
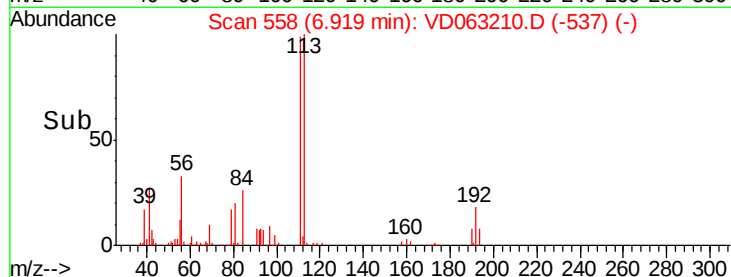
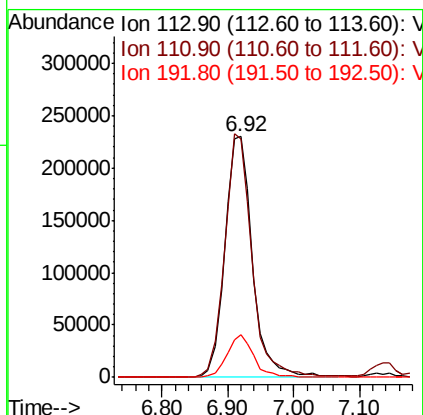
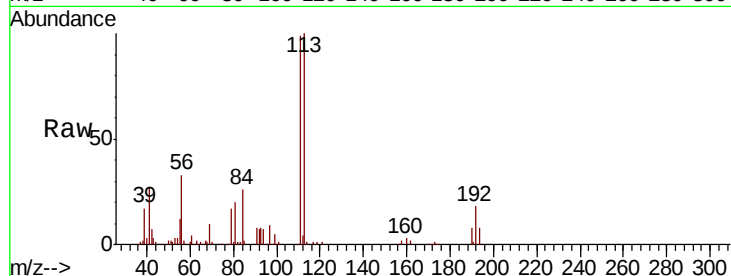




#35
 Dibromofluoromethane
 Concen: 56.769 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. 0.01 min
 Lab File: VD063210.D
 Acq: 29 Jul 2019 20:19

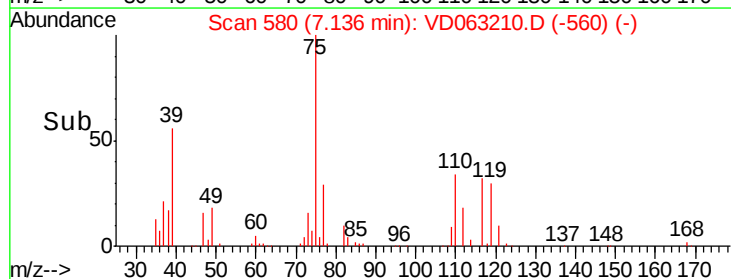
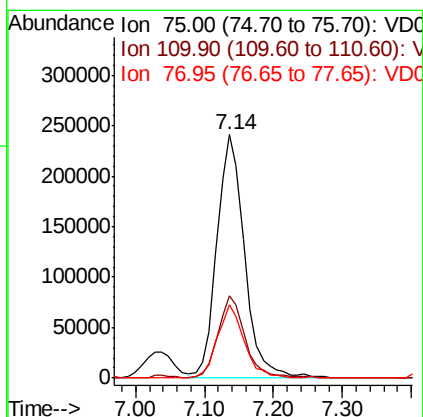
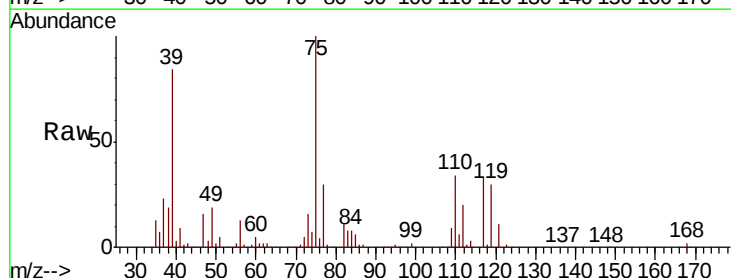
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

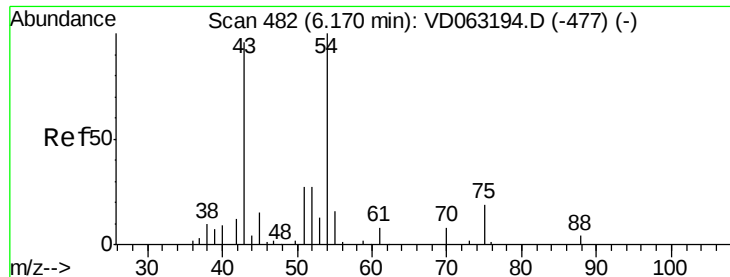
Tot Ion	Ratio	Lower	Upper
113	100		
111	99.0	83.2	124.8
192	17.5	11.8	17.8



#36
 1,1-Dichloropropene
 Concen: 52.345 ug/l
 RT: 7.14 min Scan# 580
 Delta R.T. 0.00 min
 Lab File: VD063210.D
 Acq: 29 Jul 2019 20:19

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.8	16.1	48.2
77	30.4	22.7	34.1

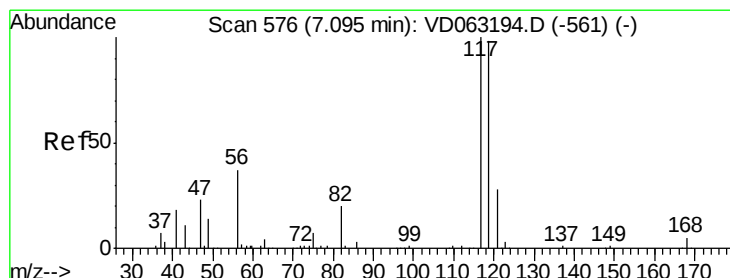
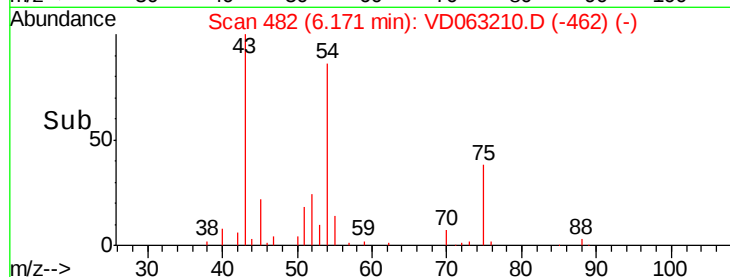
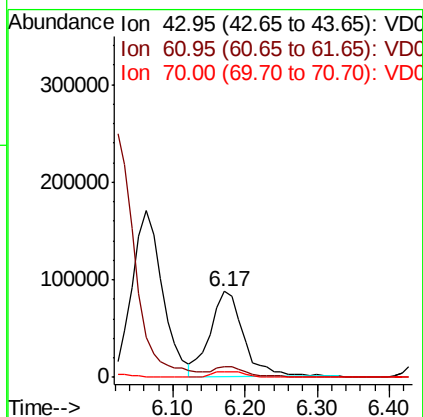
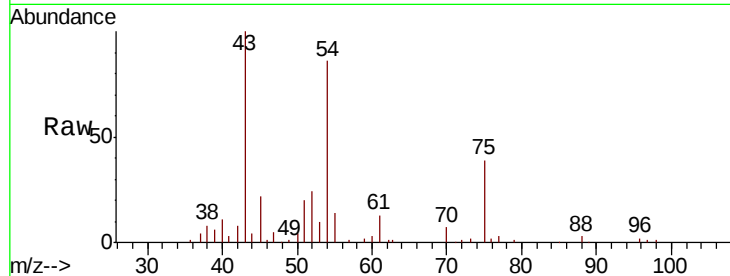




#37
Ethyl Acetate
Concen: 48.360 ug/l
RT: 6.17 min Scan# 482
Delta R.T. 0.00 min
Lab File: VD063210.D
Acq: 29 Jul 2019 20:19

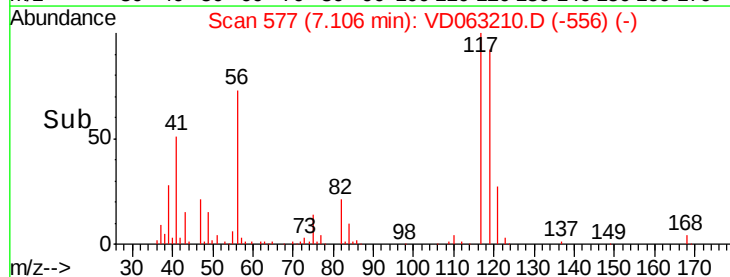
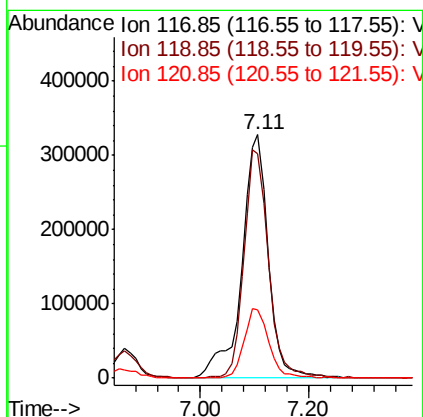
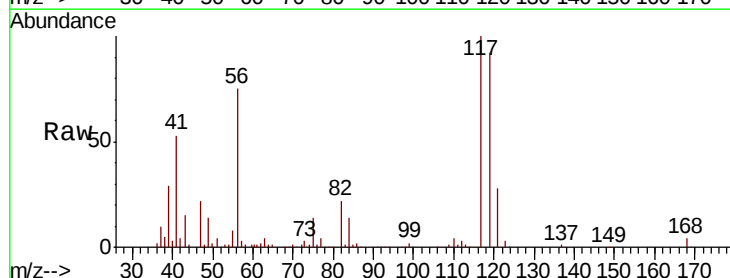
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

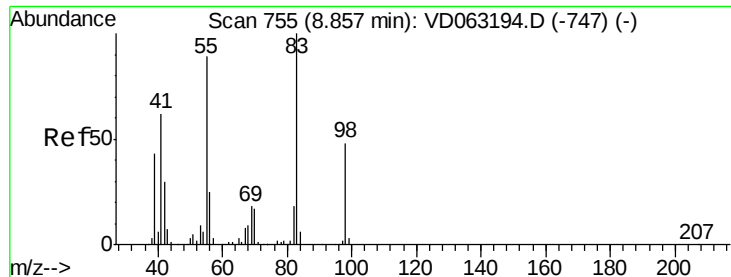
Tot Ion: 43 Resp: 275954
Ion Ratio Lower Upper
43 100
61 12.8 11.3 16.9
70 6.9 5.1 7.7



#38
Carbon Tetrachloride
Concen: 58.147 ug/l
RT: 7.11 min Scan# 577
Delta R.T. 0.01 min
Lab File: VD063210.D
Acq: 29 Jul 2019 20:19

Tgt Ion: 117 Resp: 1111871
Ion Ratio Lower Upper
117 100
119 92.1 78.2 117.2
121 27.9 22.1 33.1

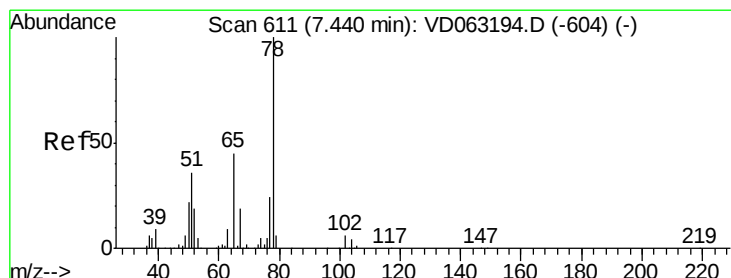
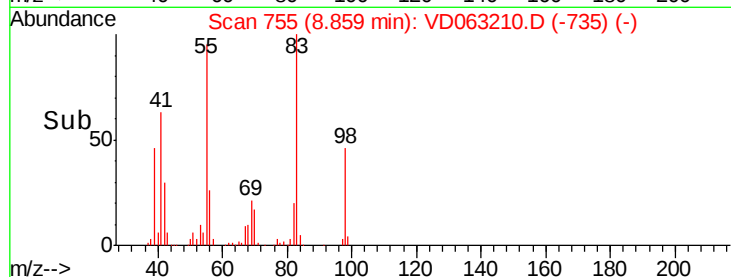
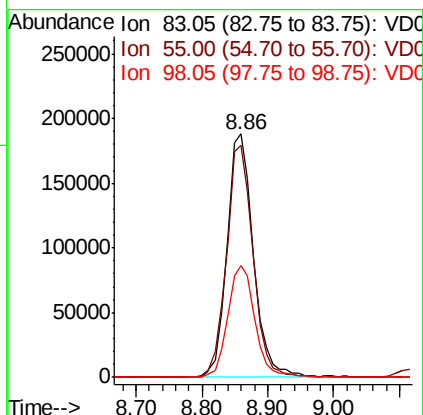
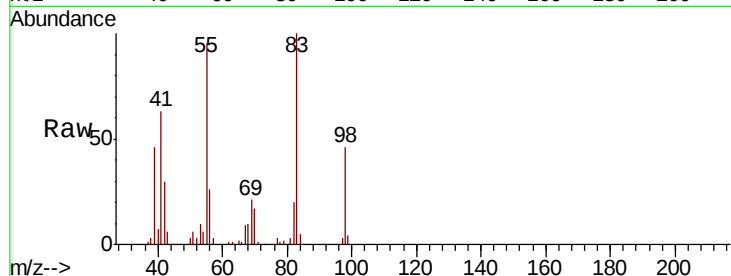




#39
Methvlcvclohexane
Concen: 49.902 ug/l
RT: 8.86 min Scan# 755
Delta R.T. 0.00 min
Lab File: VD063210.D
Acq: 29 Jul 2019 20:19

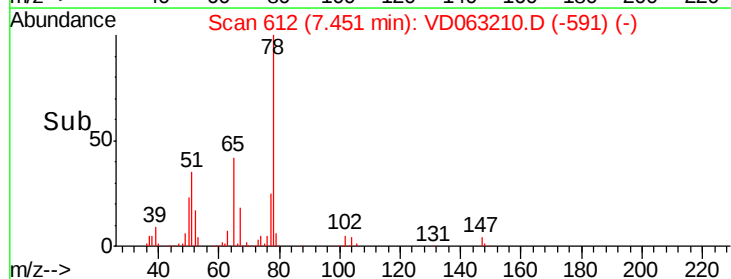
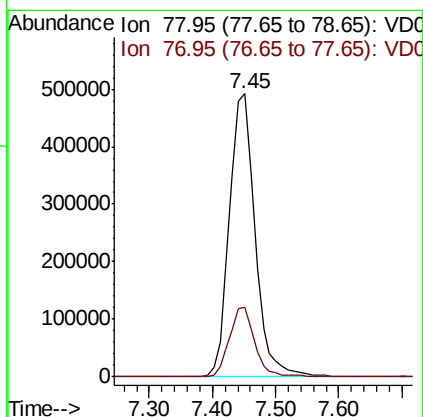
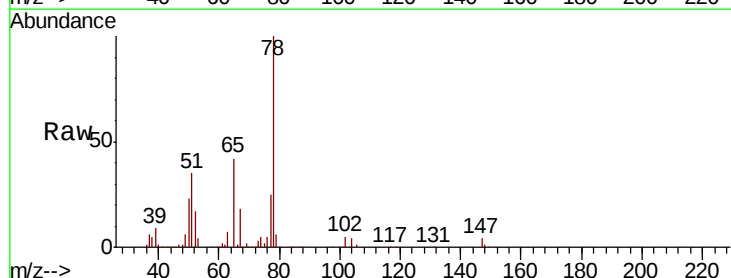
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

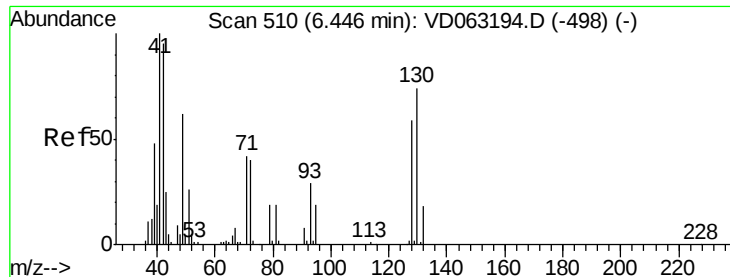
Tot Ion: 83 Resp: 528086
Ion Ratio Lower Upper
83 100
55 95.3 71.1 106.7
98 45.8 38.5 57.7



#40
Benzene
Concen: 52.074 ug/l
RT: 7.45 min Scan# 612
Delta R.T. 0.01 min
Lab File: VD063210.D
Acq: 29 Jul 2019 20:19

Tgt Ion: 78 Resp: 1386207
Ion Ratio Lower Upper
78 100
77 24.7 19.4 29.2





#41

Methacrylonitrile

Concen: 51.453 ug/l

RT: 6.44 min Scan# 509

Delta R.T. -0.01 min

Lab File: VD063210.D

Acq: 29 Jul 2019 20:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 351212

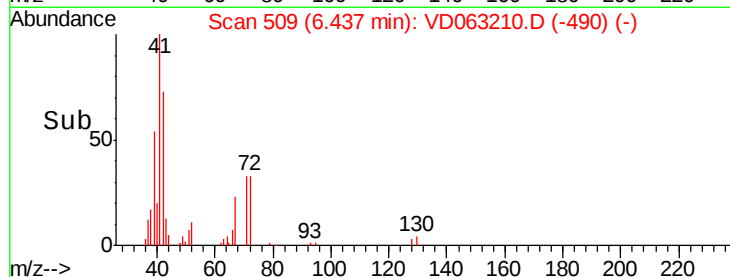
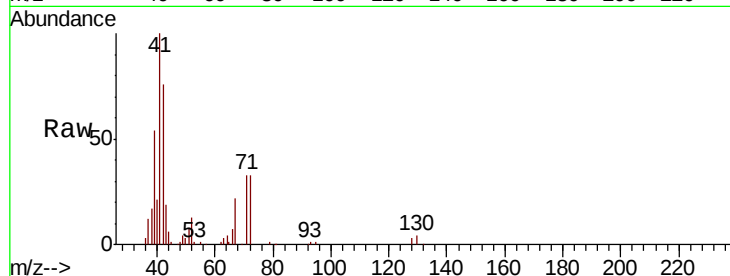
Ion Ratio Lower Upper

41 100

39 54.2 38.4 57.6

67 22.4 6.7 10.1#

52 12.6 4.3 6.5#

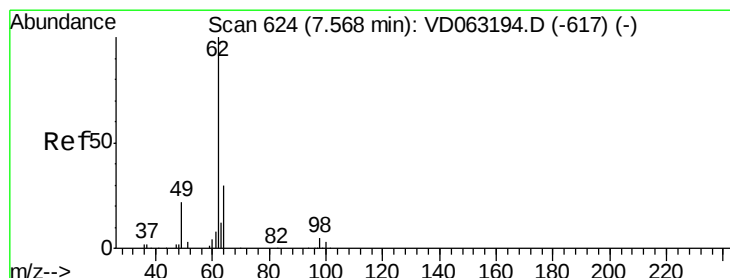
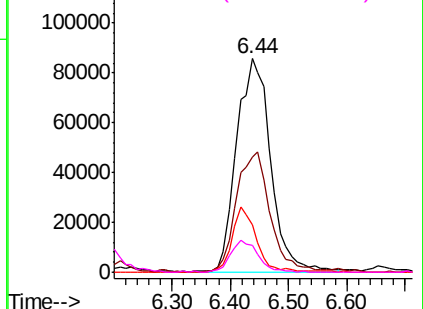


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 52.825 ug/l

RT: 7.57 min Scan# 624

Delta R.T. 0.00 min

Lab File: VD063210.D

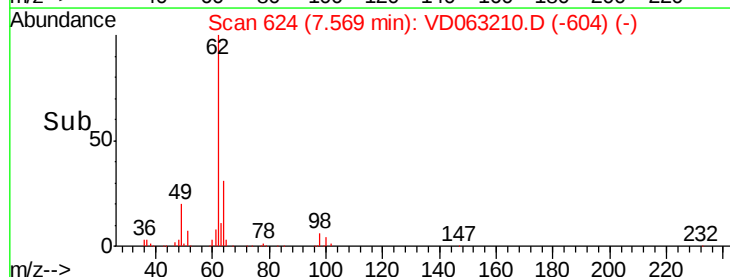
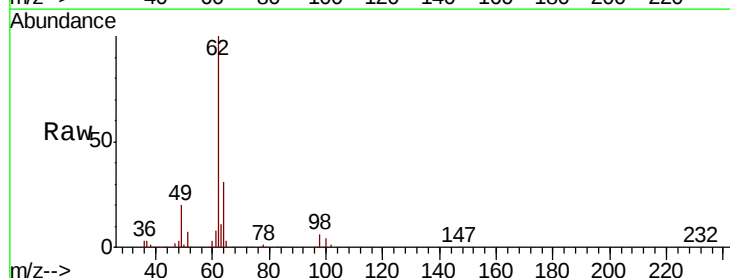
Acq: 29 Jul 2019 20:19

Tgt Ion: 62 Resp: 745255

Ion Ratio Lower Upper

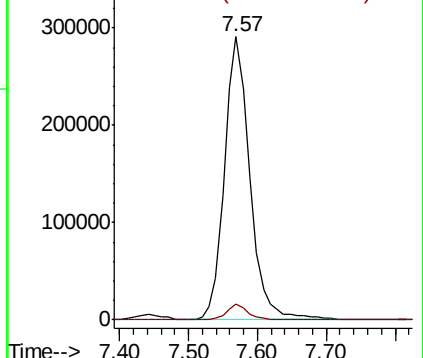
62 100

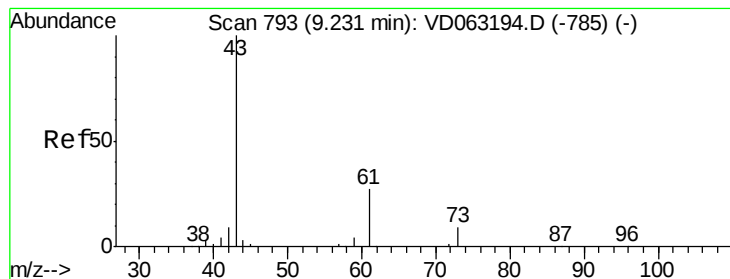
98 5.6 0.0 9.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



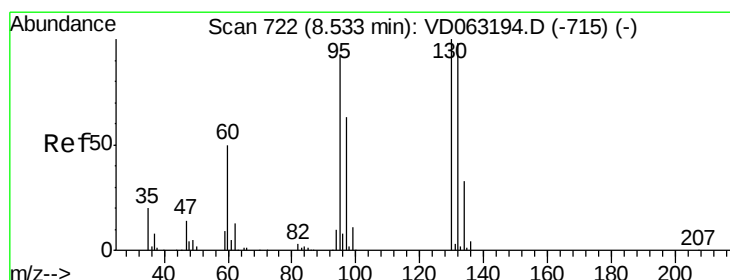
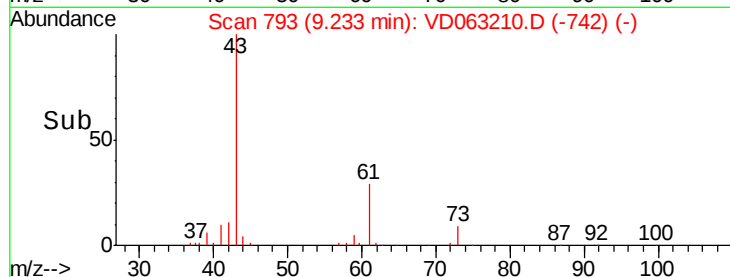
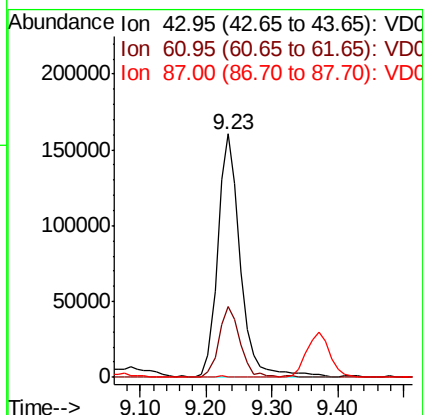
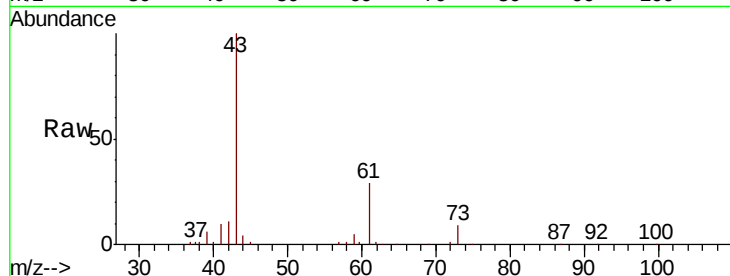


#43

Isopropyl Acetate
 Concen: 51.799 ug/l
 RT: 9.23 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VD063210.D
 Acq: 29 Jul 2019 20:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

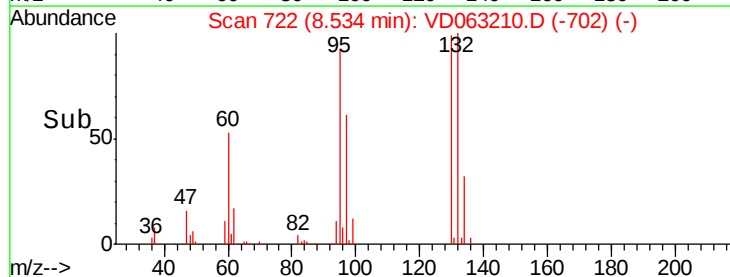
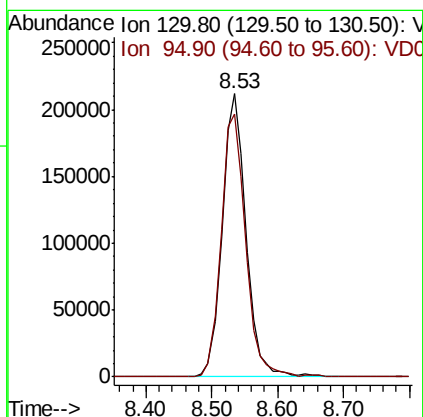
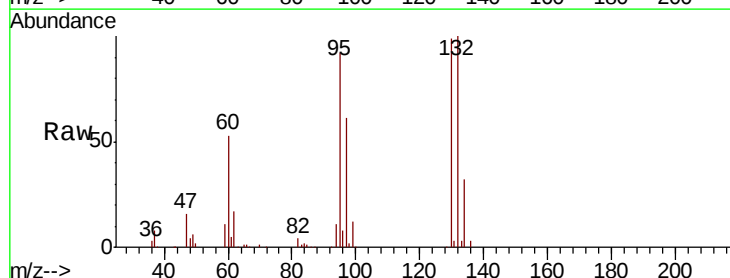
Tot Ion: 43 Resp: 377567
 Ion Ratio Lower Upper
 43 100
 61 29.0 21.4 32.0
 87 0.2 0.2 0.4#

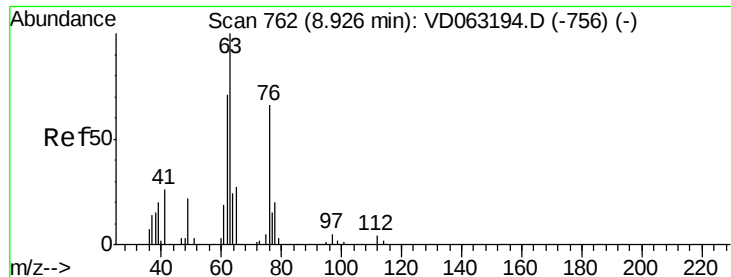


#44

Trichloroethene
 Concen: 49.449 ug/l
 RT: 8.53 min Scan# 722
 Delta R.T. 0.00 min
 Lab File: VD063210.D
 Acq: 29 Jul 2019 20:19

Tgt Ion:130 Resp: 533392
 Ion Ratio Lower Upper
 130 100
 95 92.7 0.0 185.4





#45

1,2-Dichloropropane

Concen: 51.804 ug/l

RT: 8.93 min Scan# 762

Delta R.T. 0.00 min

Lab File: VD063210.D

Acq: 29 Jul 2019 20:19

Instrument :

MSVOA_D

ClientSampleId :

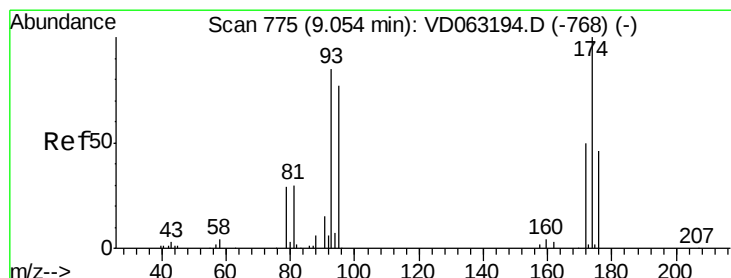
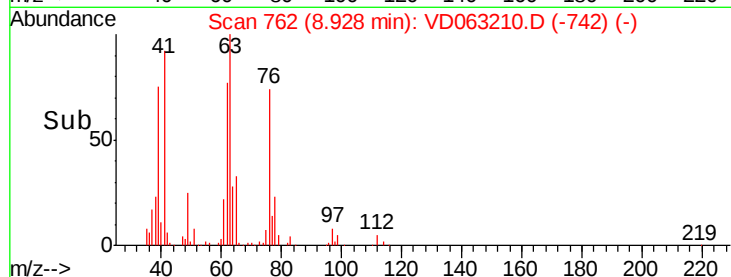
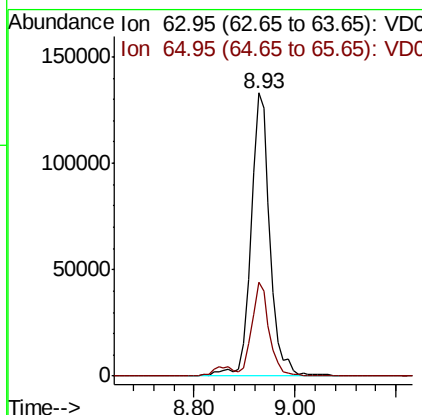
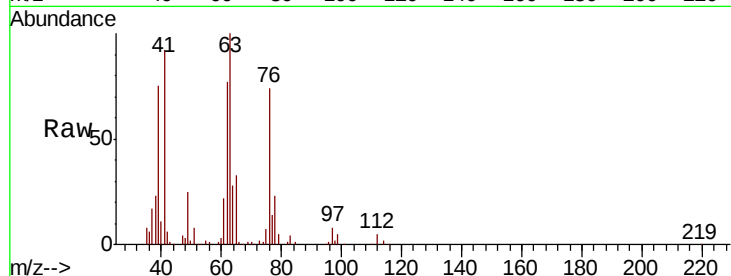
VSTDCCC050EC

Tot Ion: 63 Resp: 350509

Ion Ratio Lower Upper

63 100

65 33.1 23.6 35.4



#46

Dibromomethane

Concen: 52.025 ug/l

RT: 9.06 min Scan# 775

Delta R.T. 0.00 min

Lab File: VD063210.D

Acq: 29 Jul 2019 20:19

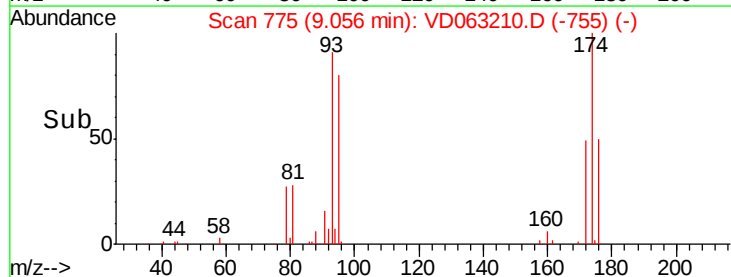
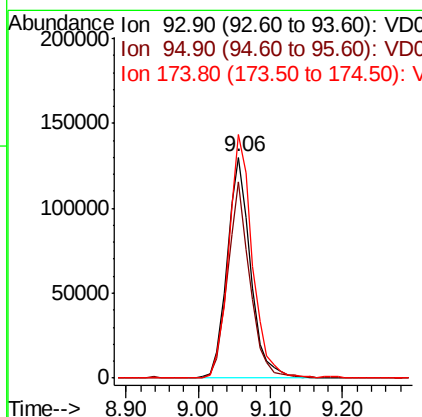
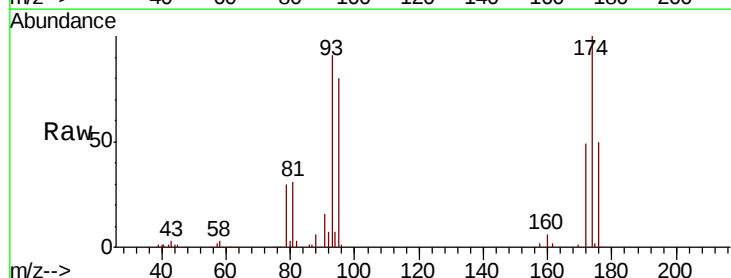
Tgt Ion: 93 Resp: 292688

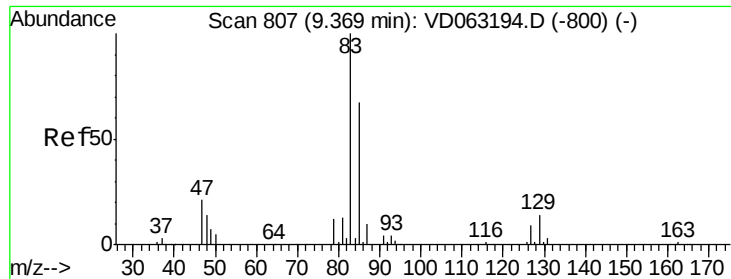
Ion Ratio Lower Upper

93 100

95 88.6 72.8 109.2

174 110.2 94.4 141.6





#47

Bromodichloromethane

Concen: 55.639 ug/l

RT: 9.37 min Scan# 807

Delta R.T. 0.00 min

Lab File: VD063210.D

Acq: 29 Jul 2019 20:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

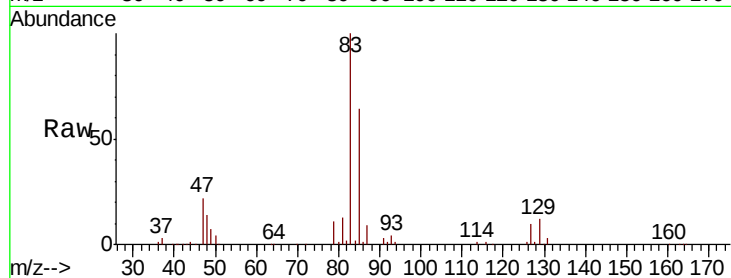
Tot Ion: 83 Resp: 797919

Ion Ratio Lower Upper

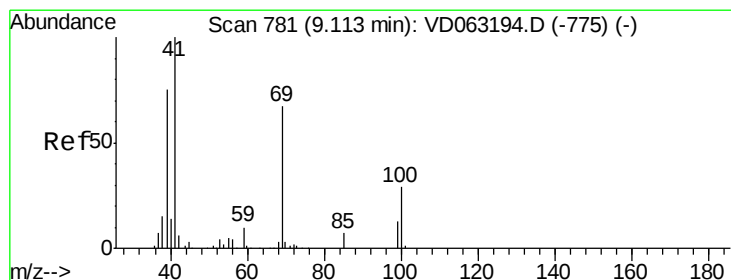
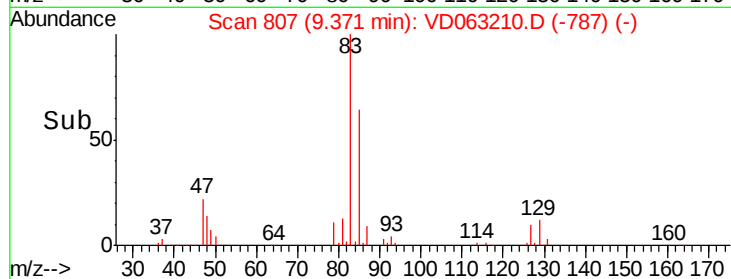
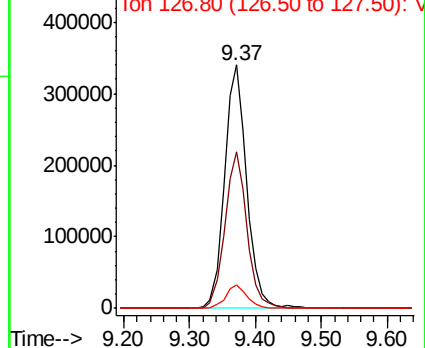
83 100

85 64.5 53.6 80.4

127 9.6 7.2 10.8



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 52.691 ug/l

RT: 9.11 min Scan# 781

Delta R.T. 0.00 min

Lab File: VD063210.D

Acq: 29 Jul 2019 20:19

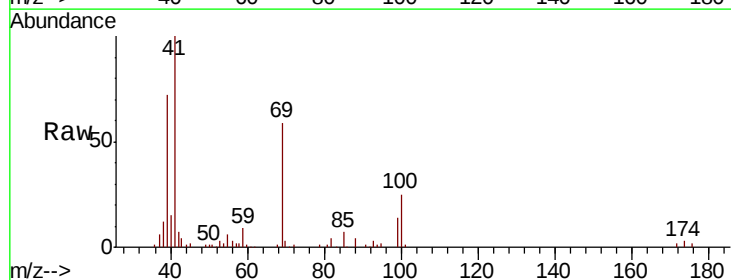
Tgt Ion: 41 Resp: 249094

Ion Ratio Lower Upper

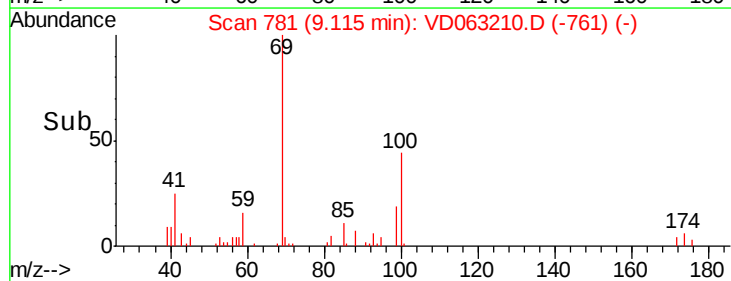
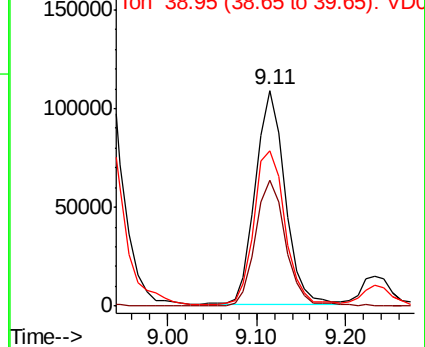
41 100

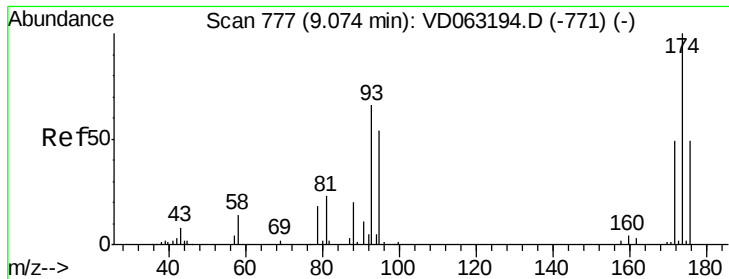
69 58.5 53.4 80.0

39 72.3 60.3 90.5



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

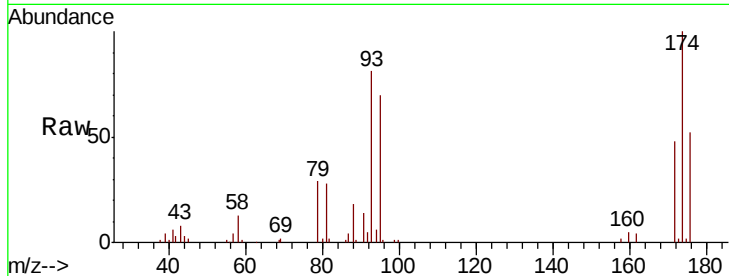




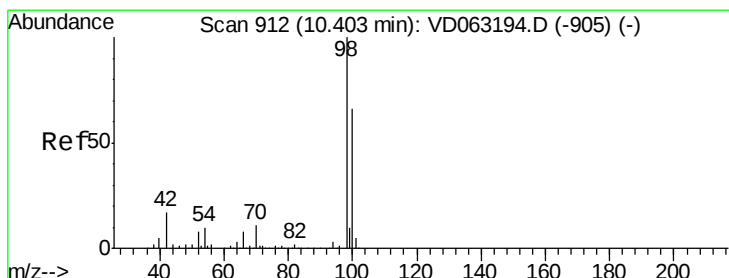
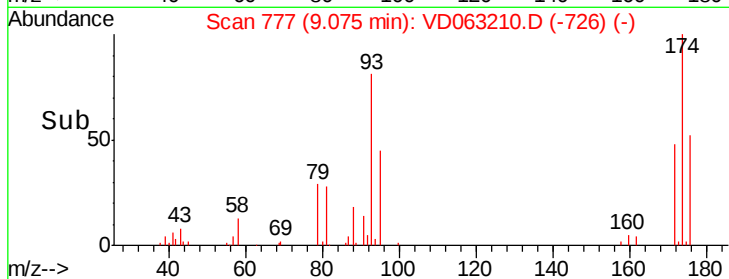
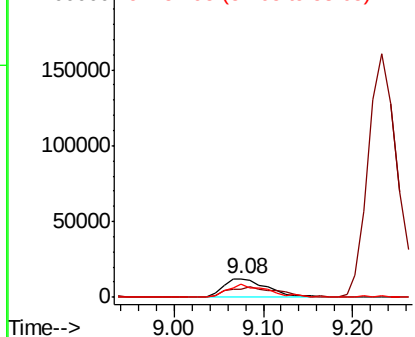
#49
1,4-Dioxane
Concen: 1042.802 ug/l
RT: 9.08 min Scan# 777
Delta R.T. 0.00 min
Lab File: VD063210.D
Acq: 29 Jul 2019 20:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 41754
Ion Ratio Lower Upper
88 100
43 45.6 30.7 46.1
58 70.3 56.5 84.7

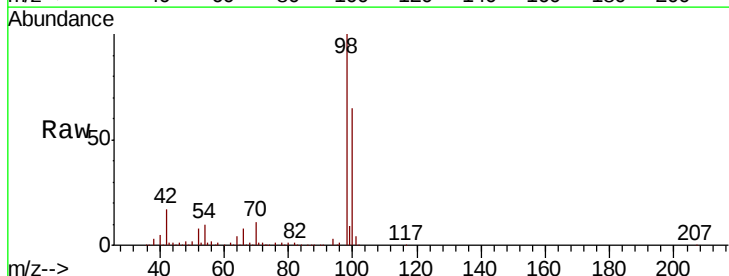


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

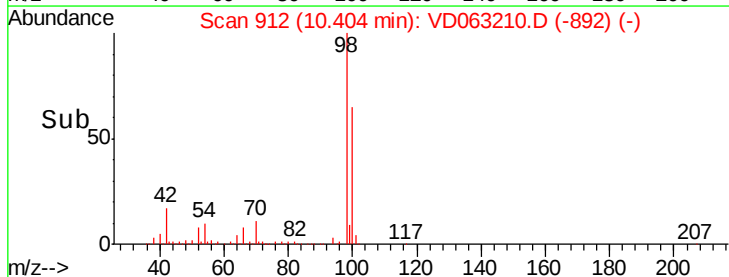
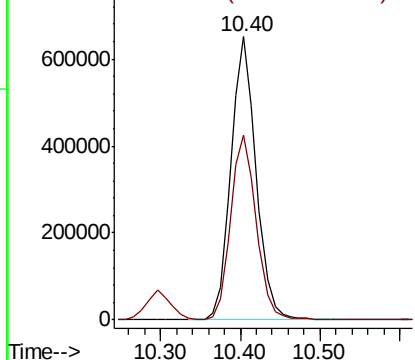


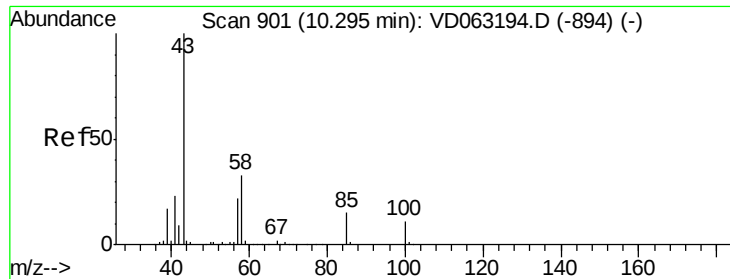
#50
Toluene-d8
Concen: 54.056 ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.00 min
Lab File: VD063210.D
Acq: 29 Jul 2019 20:19

Tgt Ion: 98 Resp: 1437532
Ion Ratio Lower Upper
98 100
100 65.4 53.2 79.8



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: 266.734 ug/l

RT: 10.30 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD063210.D

Acq: 29 Jul 2019 20:19

Instrument :

MSVOA_D

ClientSampleId :

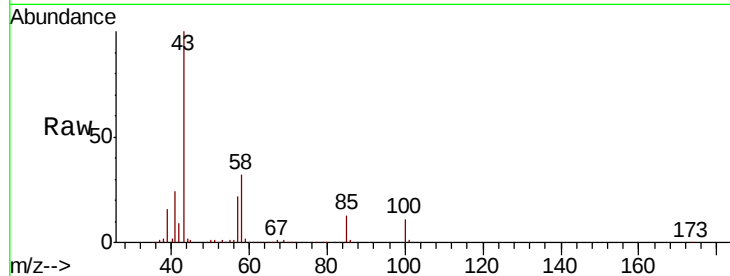
VSTDCCC050EC

Tot Ion: 43 Resp: 1322264

Ion Ratio Lower Upper

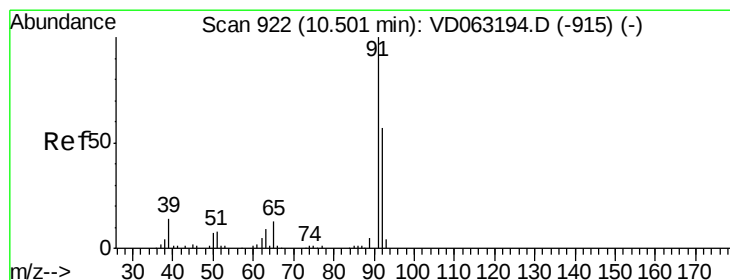
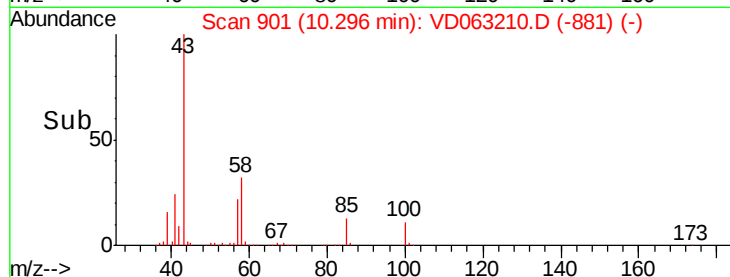
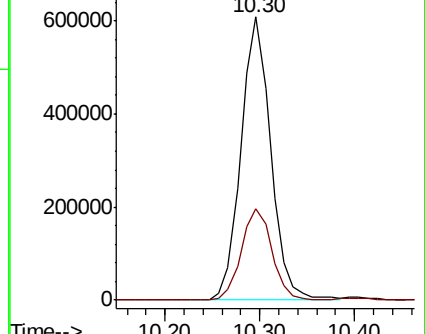
43 100

58 32.1 26.2 39.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 54.344 ug/l

RT: 10.50 min Scan# 922

Delta R.T. 0.00 min

Lab File: VD063210.D

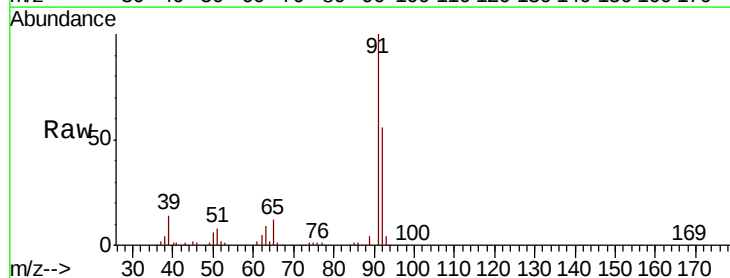
Acq: 29 Jul 2019 20:19

Tgt Ion: 92 Resp: 962159

Ion Ratio Lower Upper

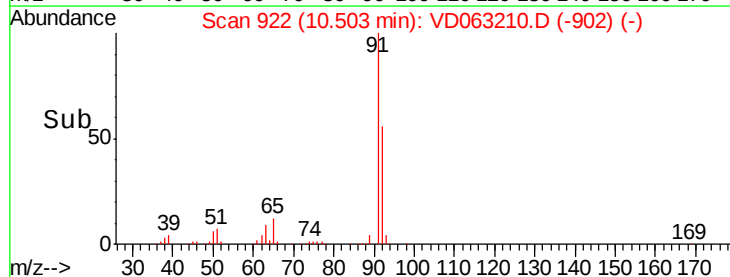
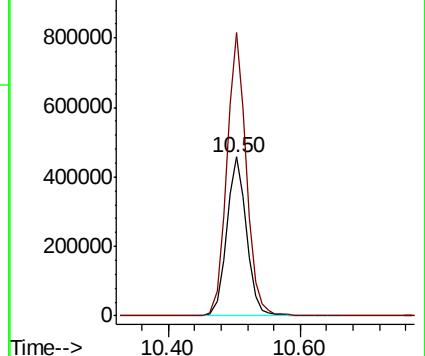
92 100

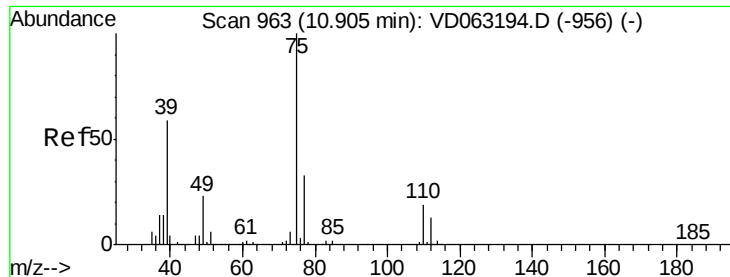
91 178.3 140.8 211.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

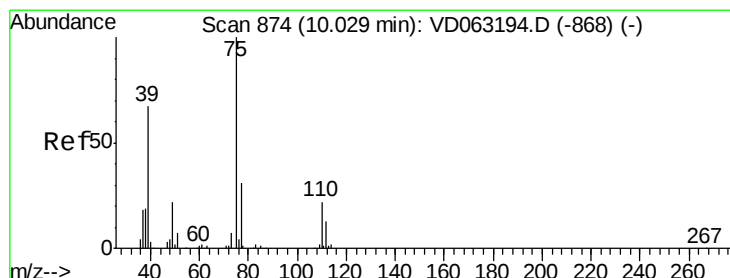
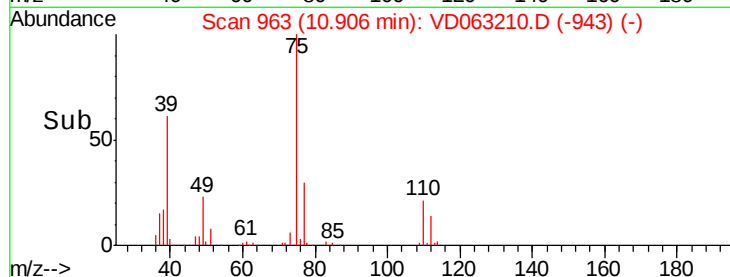
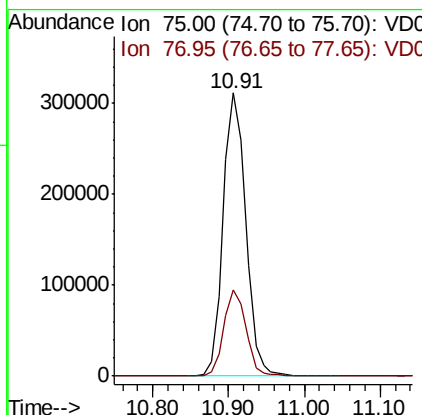
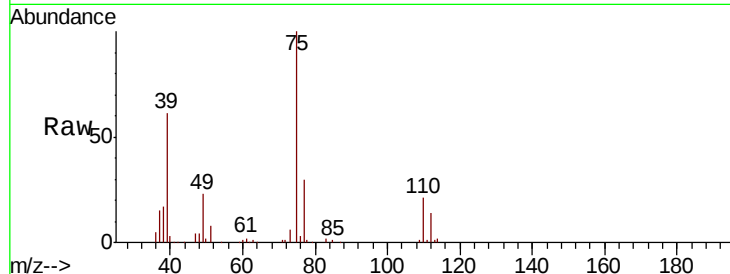




#53
 t-1,3-Dichloropropene
 Concen: 52.273 ug/l
 RT: 10.91 min Scan# 963
 Delta R.T. 0.00 min
 Lab File: VD063210.D
 Acq: 29 Jul 2019 20:19

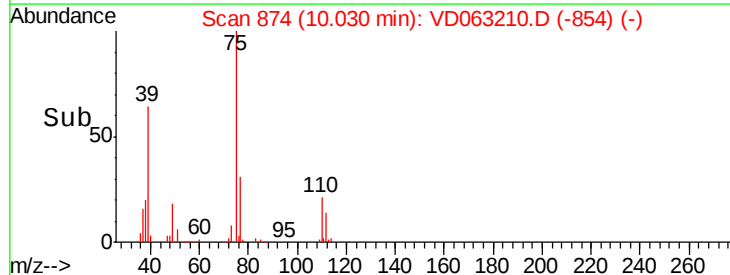
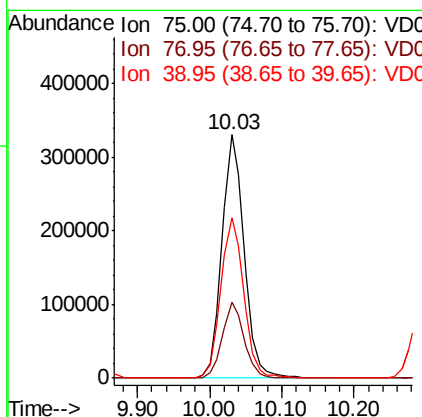
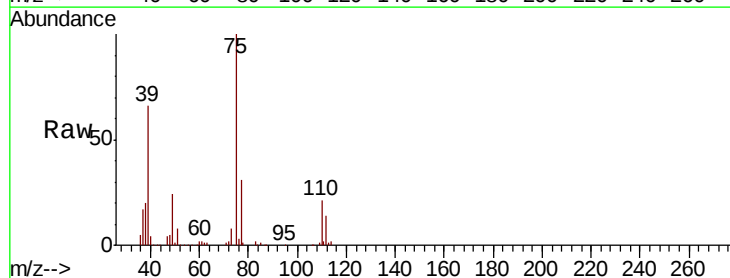
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

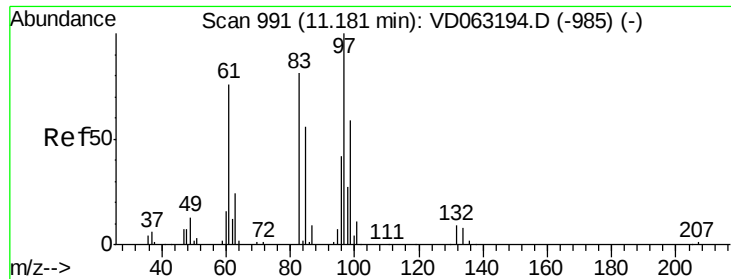
Tot Ion: 75 Resp: 646305
 Ion Ratio Lower Upper
 75 100
 77 30.4 26.6 40.0



#54
 cis-1,3-Dichloropropene
 Concen: 54.159 ug/l
 RT: 10.03 min Scan# 874
 Delta R.T. 0.00 min
 Lab File: VD063210.D
 Acq: 29 Jul 2019 20:19

Tgt Ion: 75 Resp: 703748
 Ion Ratio Lower Upper
 75 100
 77 31.2 24.9 37.3
 39 65.8 53.9 80.9



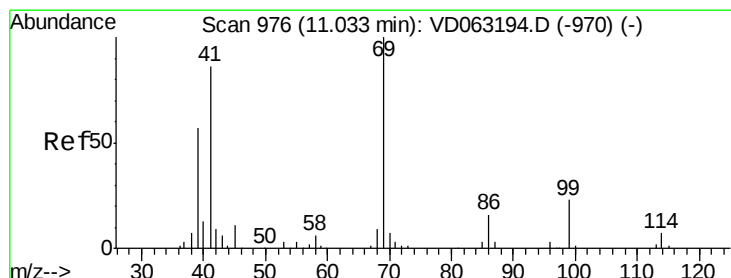
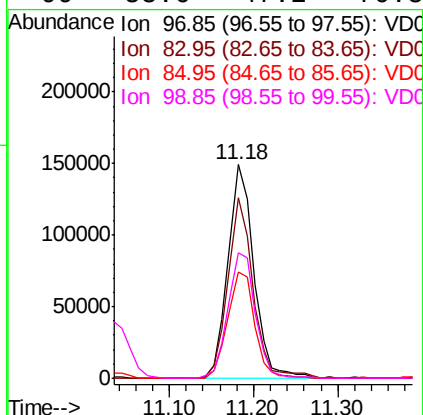
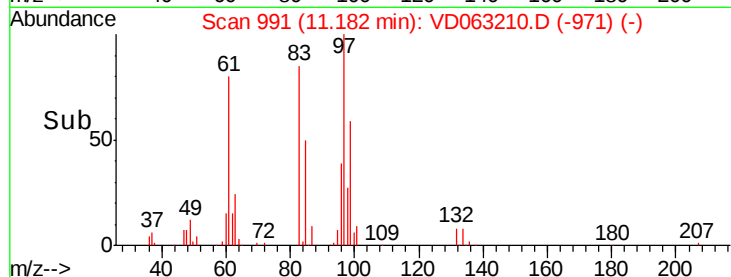
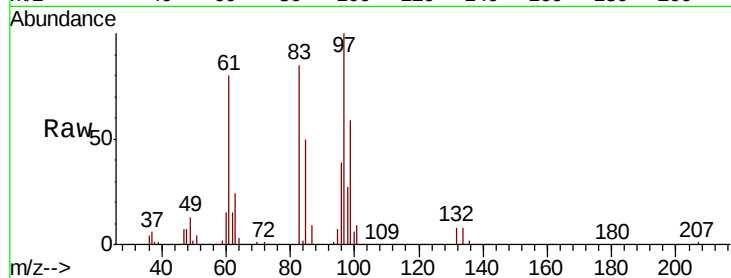


#55
 1,1,2-Trichloroethane
 Concen: 53.465 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. 0.00 min
 Lab File: VD063210.D
 Acq: 29 Jul 2019 20:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 97 Resp: 319695

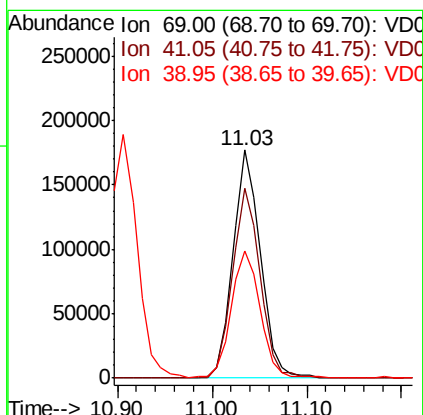
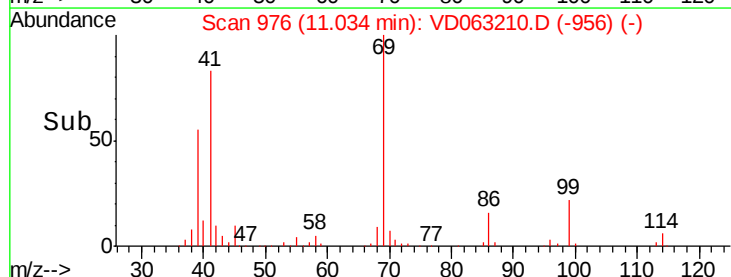
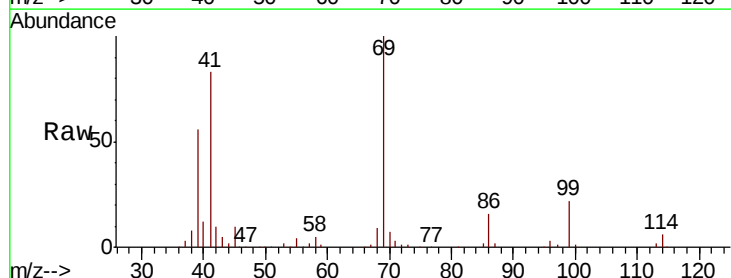
Ion	Ratio	Lower	Upper
97	100		
83	84.5	64.8	97.2
85	49.9	44.9	67.3
99	58.6	47.2	70.8

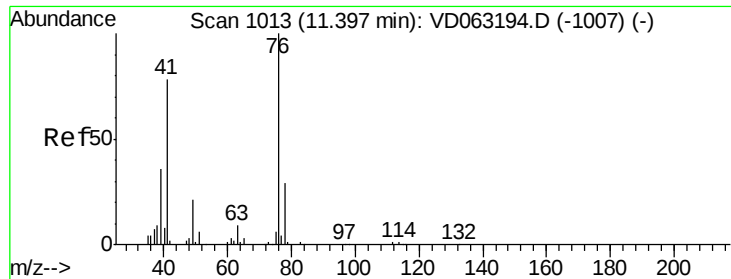


#56
 Ethyl methacrylate
 Concen: 54.312 ug/l
 RT: 11.03 min Scan# 976
 Delta R.T. 0.00 min
 Lab File: VD063210.D
 Acq: 29 Jul 2019 20:19

Tgt Ion: 69 Resp: 355623

Ion	Ratio	Lower	Upper
69	100		
41	83.4	68.8	103.2
39	55.7	45.8	68.8





#57

1,3-Dichloropropane

Concen: 51.830 ug/l

RT: 11.40 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VD063210.D

Acq: 29 Jul 2019 20:19

Instrument :

MSVOA_D

ClientSampleId :

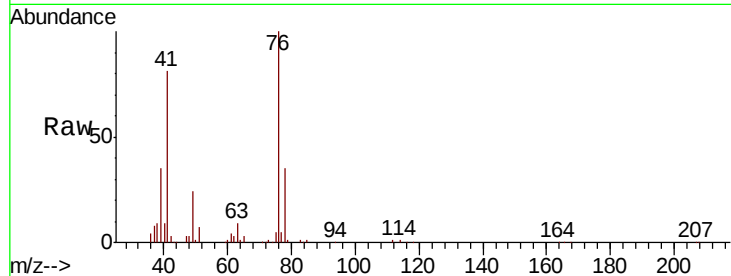
VSTDCCC050EC

Tot Ion: 76 Resp: 488311

Ion Ratio Lower Upper

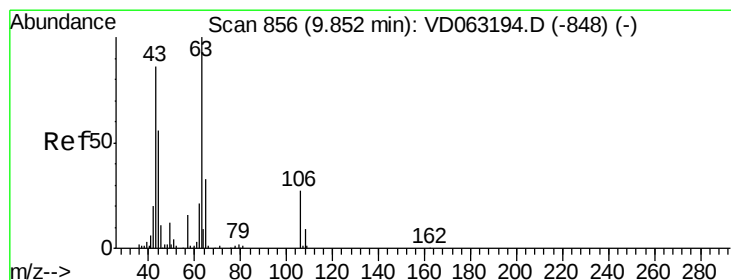
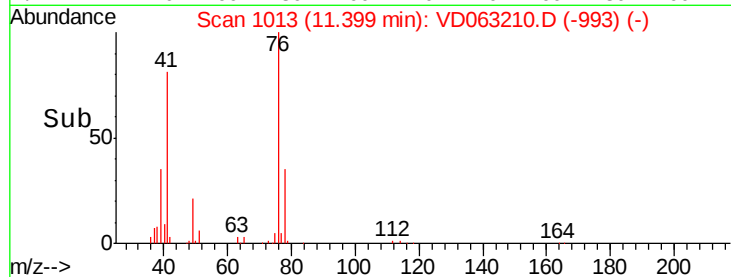
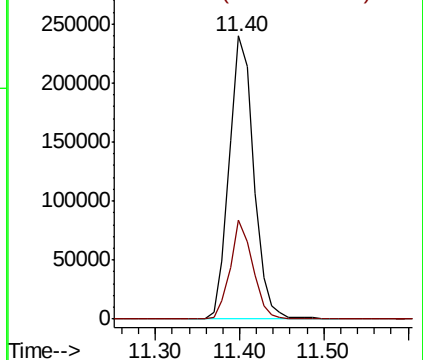
76 100

78 35.0 23.4 35.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 242.763 ug/l

RT: 9.85 min Scan# 856

Delta R.T. 0.00 min

Lab File: VD063210.D

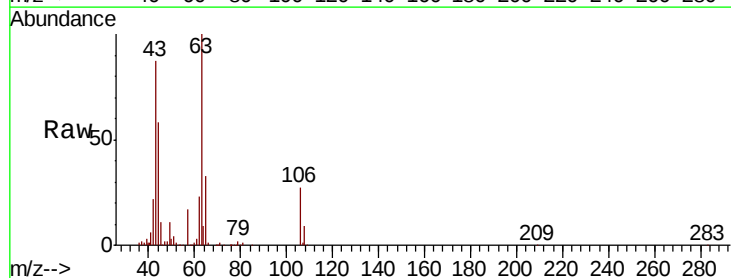
Acq: 29 Jul 2019 20:19

Tgt Ion: 63 Resp: 827112

Ion Ratio Lower Upper

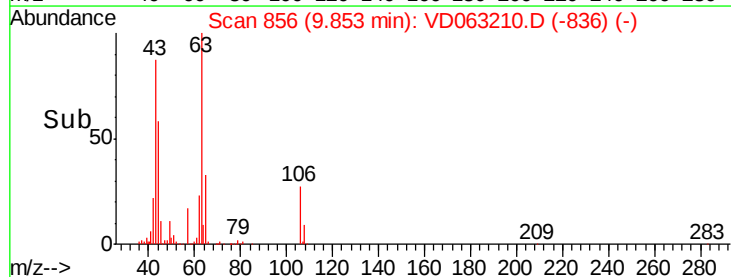
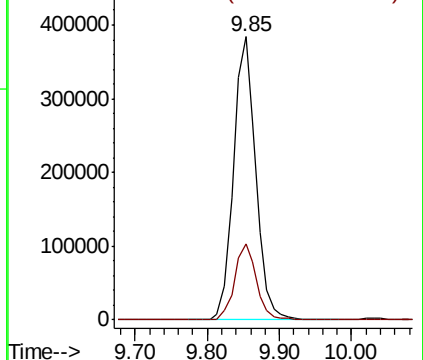
63 100

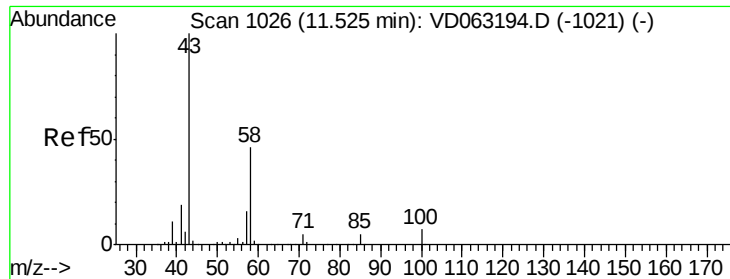
106 27.0 22.0 33.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

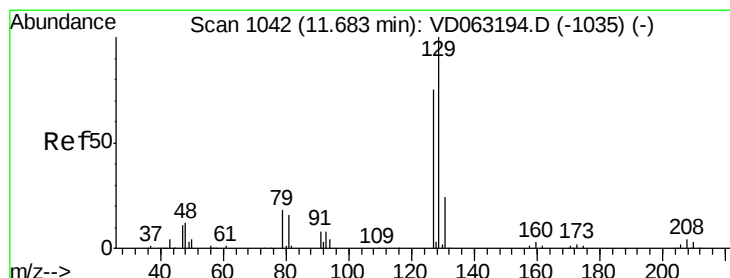
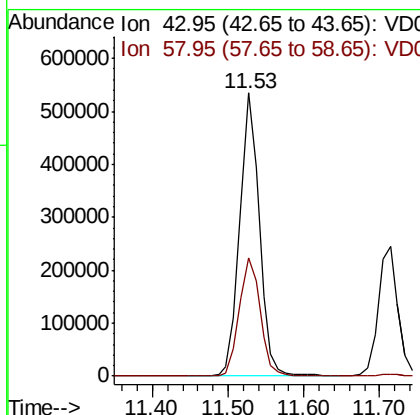
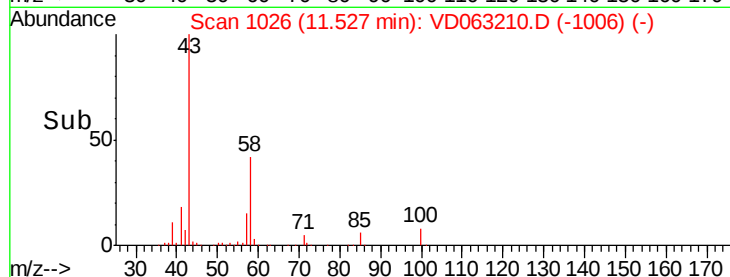
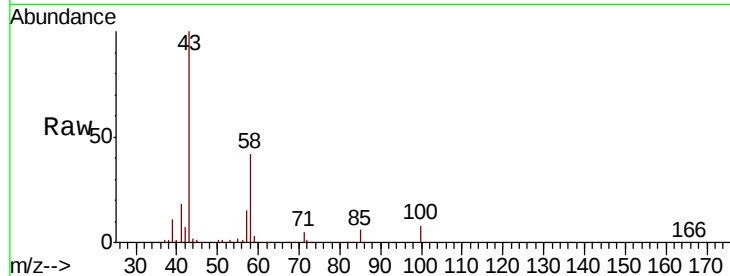




#59
2-Hexanone
Concen: 267.934 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. 0.00 min
Lab File: VD063210.D
Acq: 29 Jul 2019 20:19

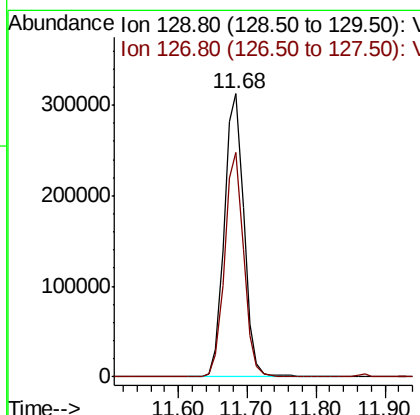
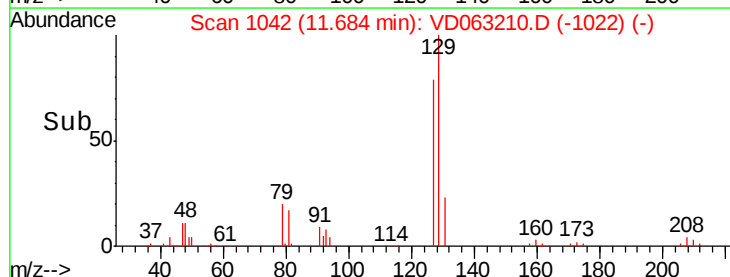
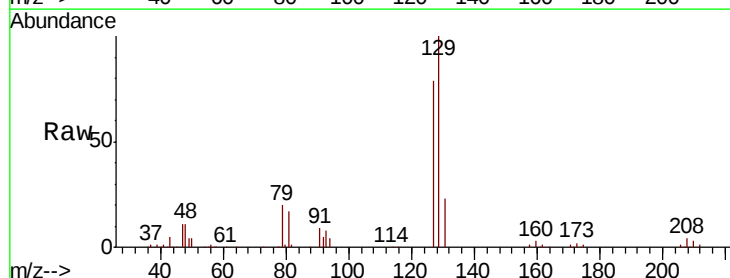
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

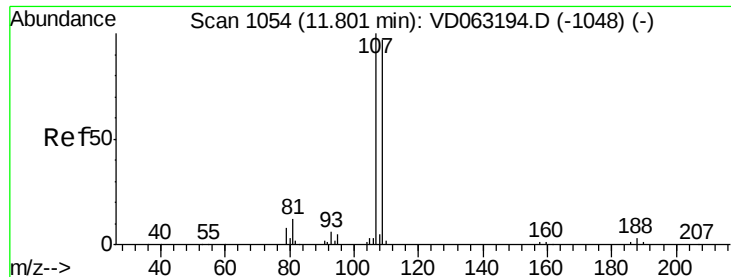
Tot Ion: 43 Resp: 957165
Ion Ratio Lower Upper
43 100
58 41.6 22.9 68.5



#60
Dibromochloromethane
Concen: 54.444 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VD063210.D
Acq: 29 Jul 2019 20:19

Tgt Ion: 129 Resp: 614585
Ion Ratio Lower Upper
129 100
127 79.1 37.6 112.8





#61

1,2-Dibromoethane

Concen: 52.847 ug/l

RT: 11.80 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VD063210.D

Acq: 29 Jul 2019 20:19

Instrument :

MSVOA_D

ClientSampleId :

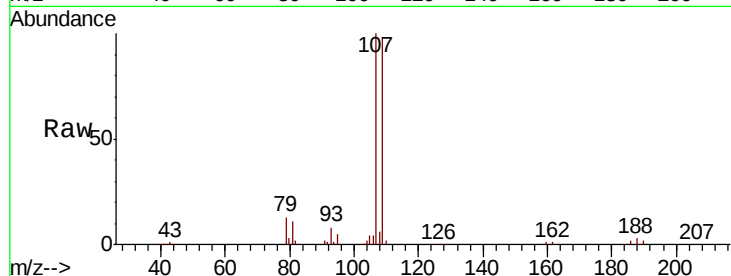
VSTDCCC050EC

Tot Ion:107 Resp: 389924

Ion Ratio Lower Upper

107 100

109 98.0 77.5 116.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

11.80

200000

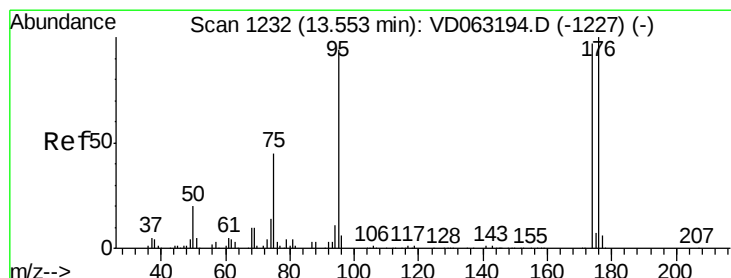
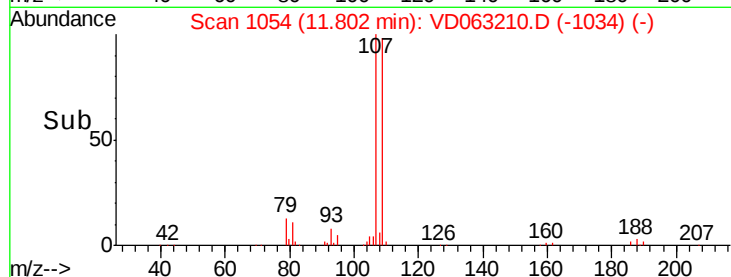
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 52.625 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD063210.D

Acq: 29 Jul 2019 20:19

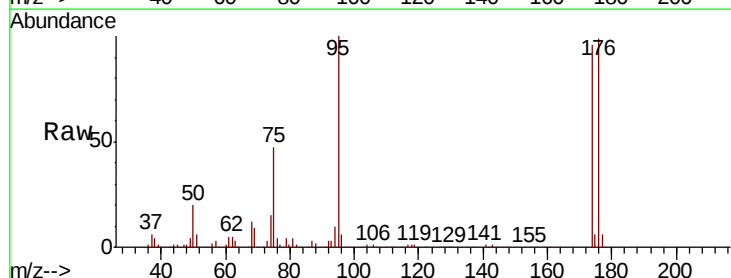
Tgt Ion: 95 Resp: 637728

Ion Ratio Lower Upper

95 100

174 95.9 0.0 205.4

176 99.2 0.0 211.8



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

600000

500000

400000

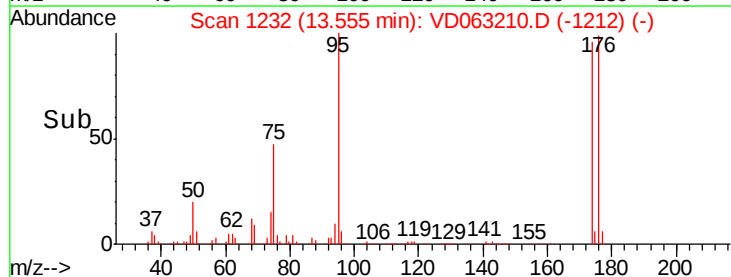
300000

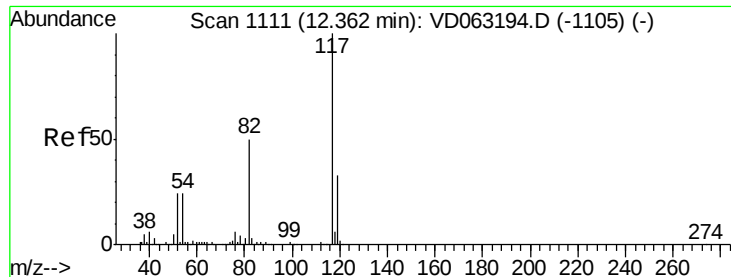
200000

100000

0

Time-->

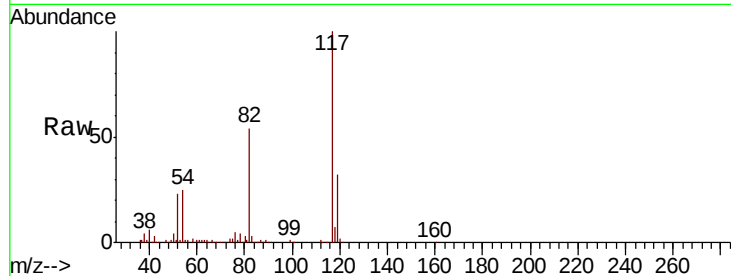




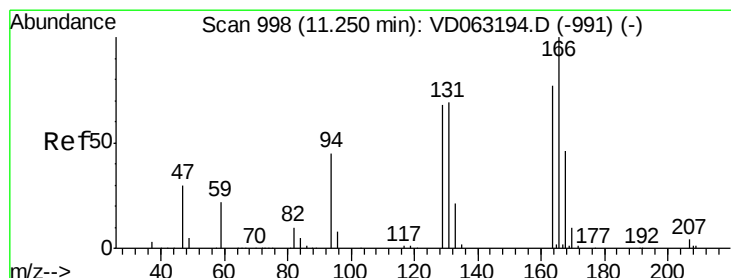
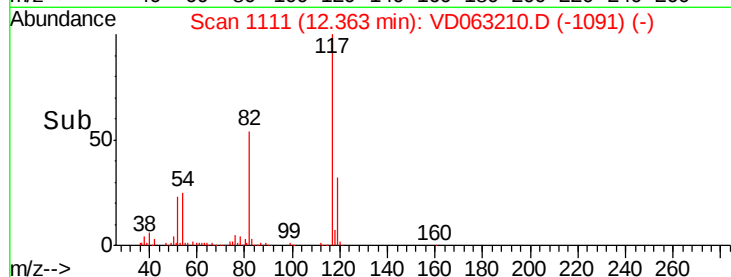
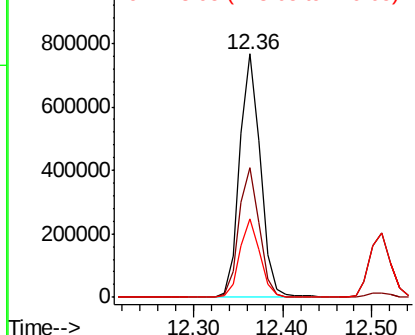
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD063210.D
Acq: 29 Jul 2019 20:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 1243323
Ion Ratio Lower Upper
117 100
82 53.5 40.1 60.1
119 32.2 26.5 39.7

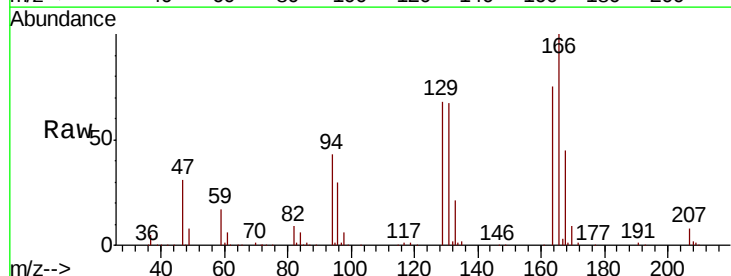


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

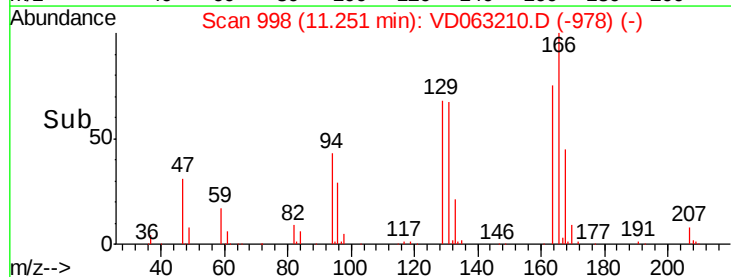
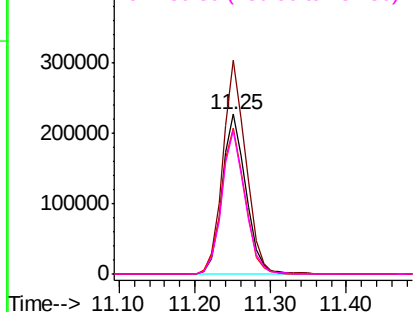


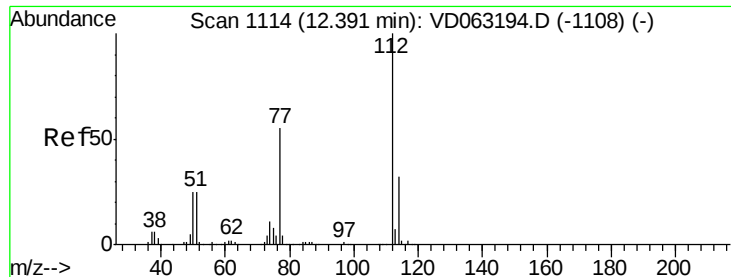
#64
Tetrachloroethene
Concen: 49.500 ug/l
RT: 11.25 min Scan# 998
Delta R.T. 0.00 min
Lab File: VD063210.D
Acq: 29 Jul 2019 20:19

Tgt Ion:164 Resp: 490304
Ion Ratio Lower Upper
164 100
166 133.9 104.3 156.5
129 91.3 70.9 106.3
131 89.9 71.6 107.4



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

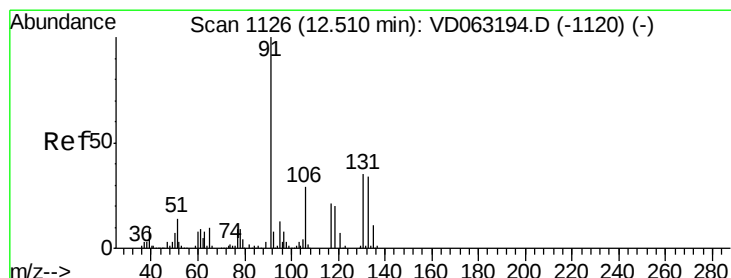
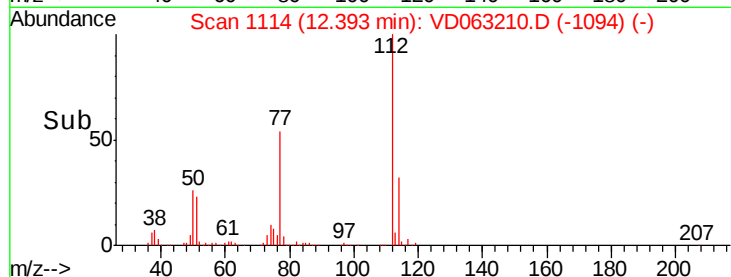
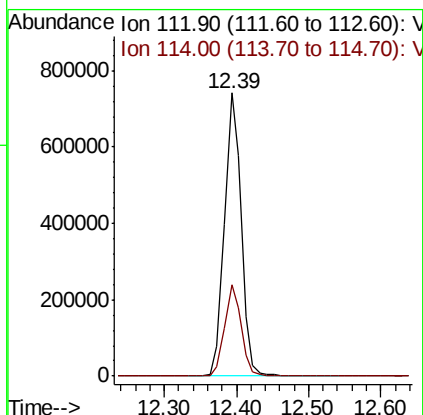
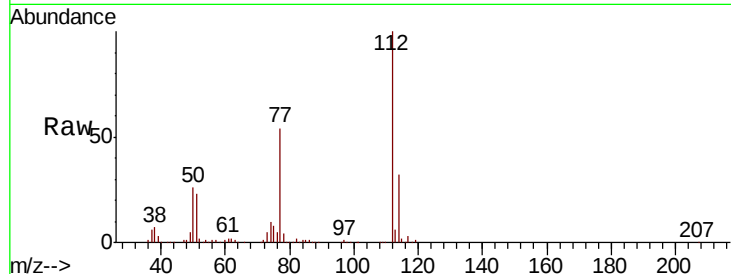




#65
Chlorobenzene
Concen: 49.630 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VD063210.D
Acq: 29 Jul 2019 20:19

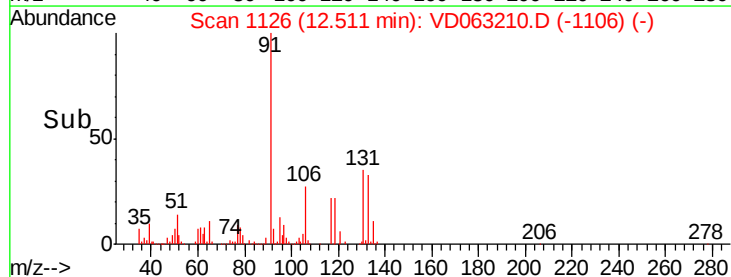
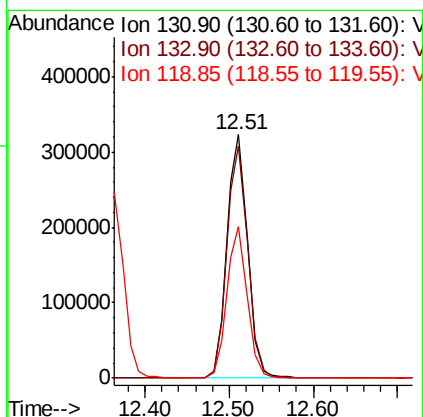
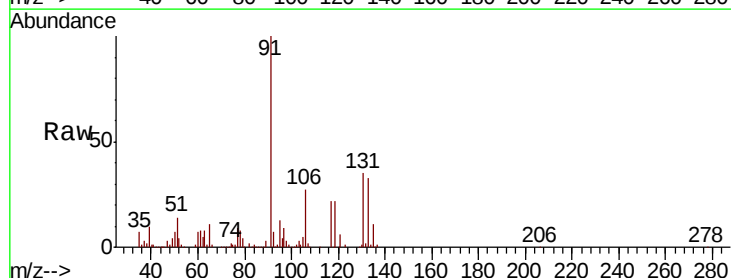
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

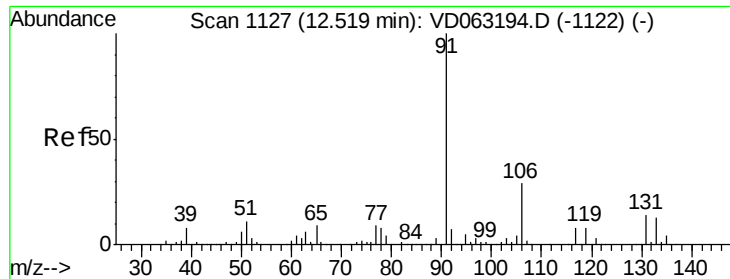
Tot Ion:112 Resp: 1186889
Ion Ratio Lower Upper
112 100
114 32.1 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 52.004 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD063210.D
Acq: 29 Jul 2019 20:19

Tgt Ion:131 Resp: 547820
Ion Ratio Lower Upper
131 100
133 95.3 48.4 145.2
119 62.3 29.1 87.3

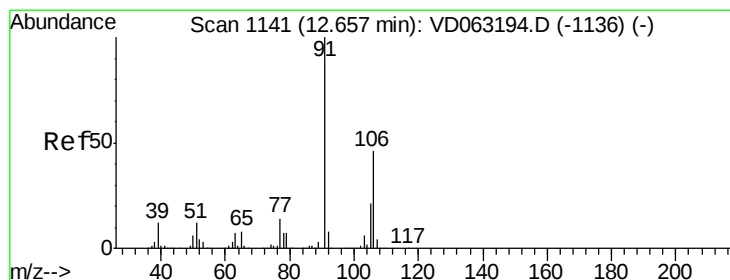
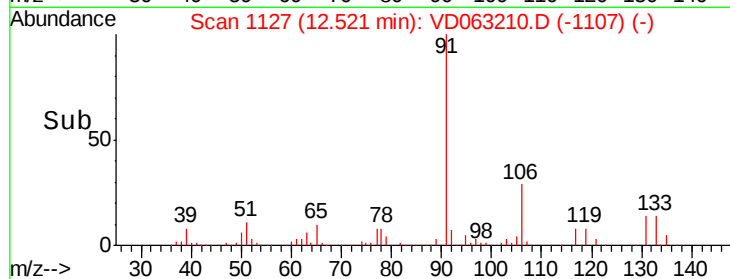
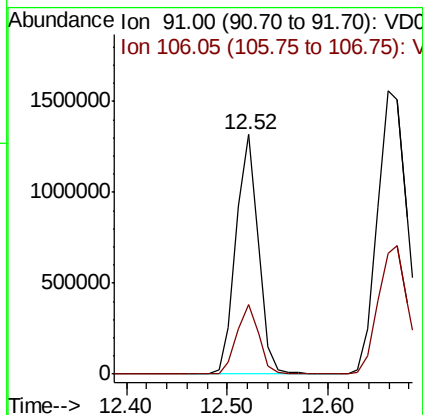
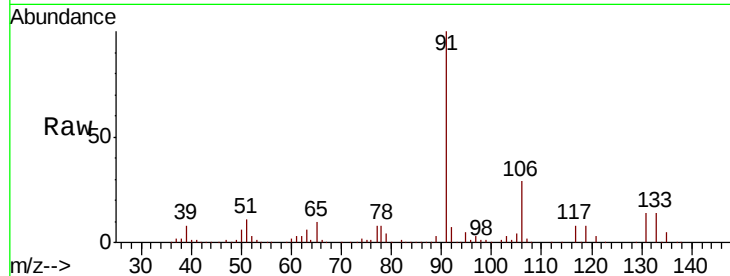




#67
Ethyl Benzene
Concen: 49.844 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD063210.D
Acq: 29 Jul 2019 20:19

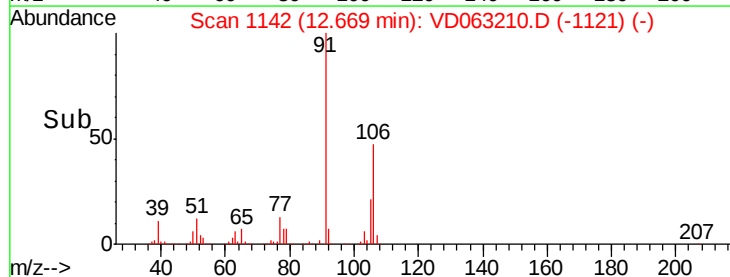
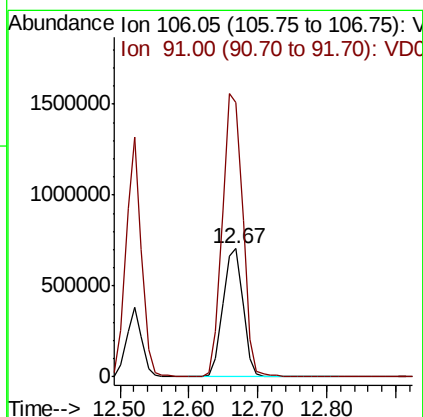
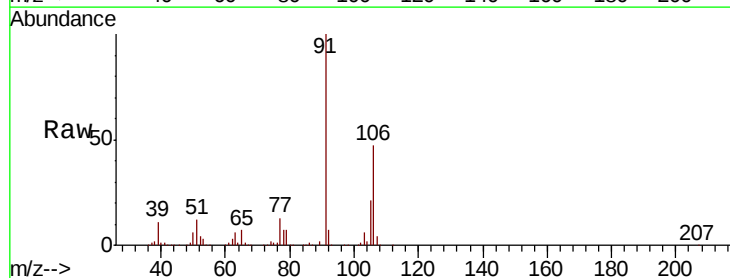
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

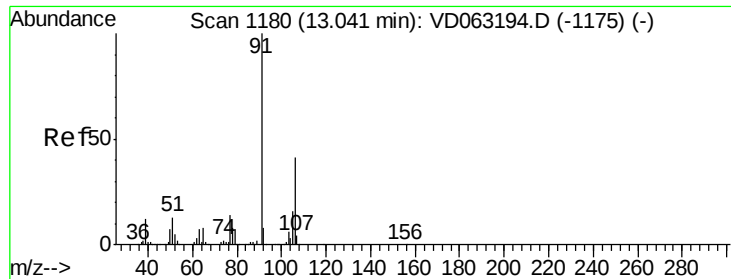
Tot Ion: 91 Resp: 2024953
Ion Ratio Lower Upper
91 100
106 28.9 22.9 34.3



#68
m/p-Xylenes
Concen: 95.778 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.01 min
Lab File: VD063210.D
Acq: 29 Jul 2019 20:19

Tgt Ion: 106 Resp: 1426963
Ion Ratio Lower Upper
106 100
91 214.6 172.6 259.0

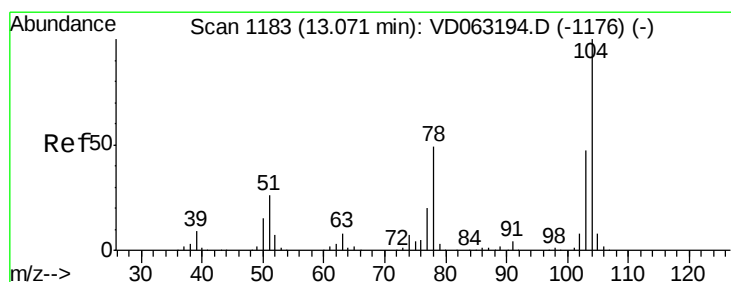
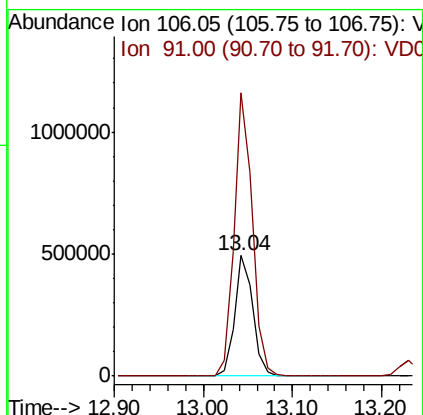
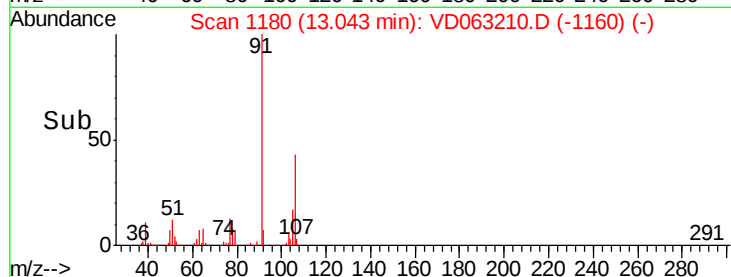
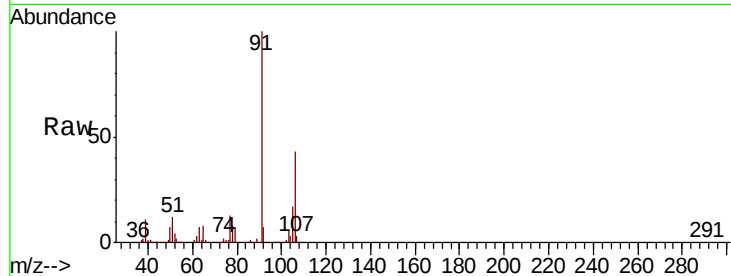




#69
o-Xylene
Concen: 52.012 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VD063210.D
Acq: 29 Jul 2019 20:19

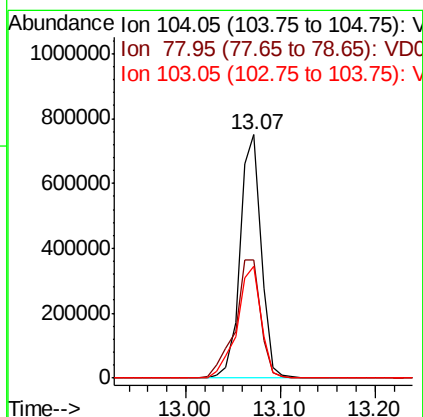
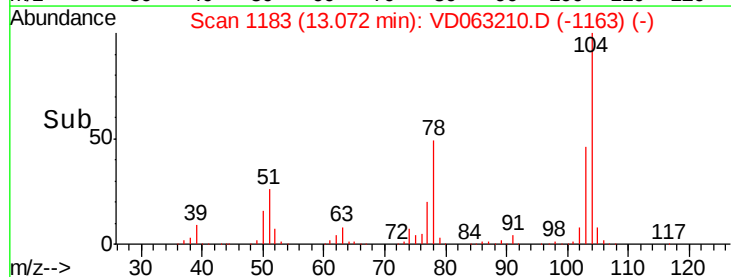
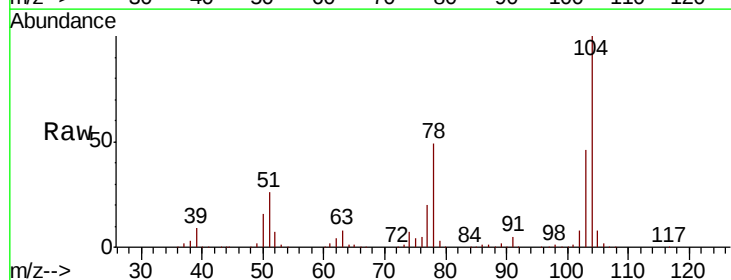
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

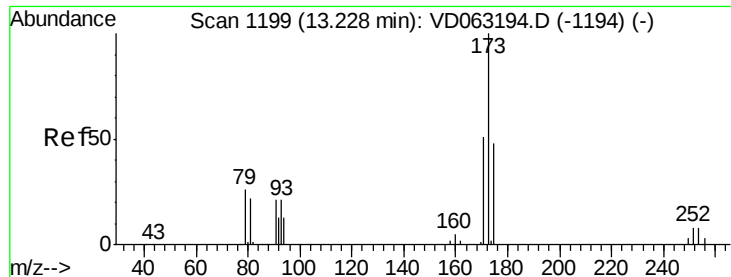
Tot Ion:106 Resp: 711601
Ion Ratio Lower Upper
106 100
91 234.7 121.3 363.9



#70
Styrene
Concen: 47.569 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VD063210.D
Acq: 29 Jul 2019 20:19

Tgt Ion:104 Resp: 1154188
Ion Ratio Lower Upper
104 100
78 48.8 39.4 59.0
103 46.0 37.4 56.2





#71

Bromoform

Concen: 49.454 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. 0.00 min

Lab File: VD063210.D

Acq: 29 Jul 2019 20:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

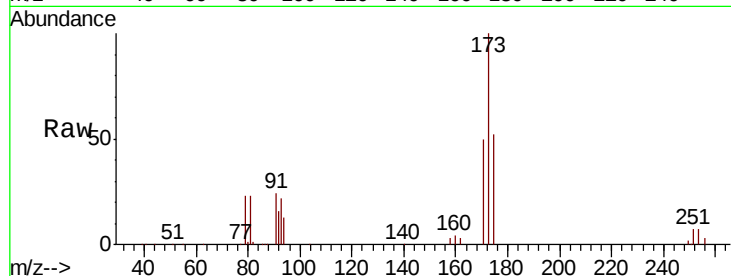
Tot Ion:173 Resp: 378848

Ion Ratio Lower Upper

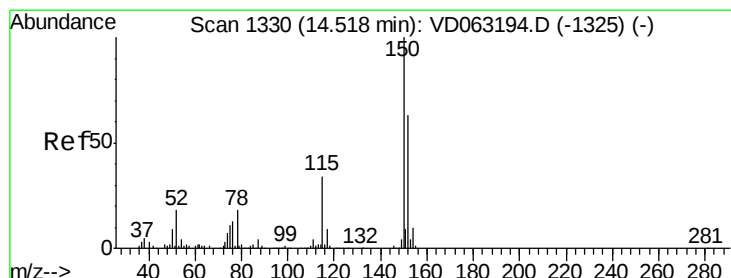
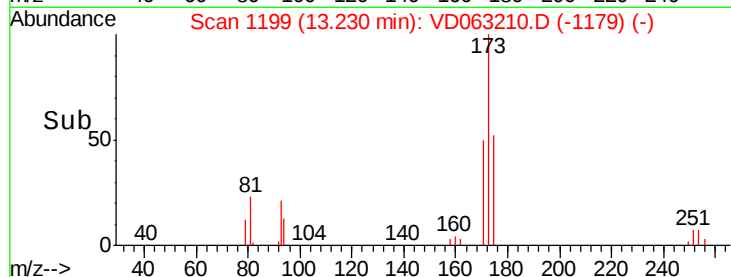
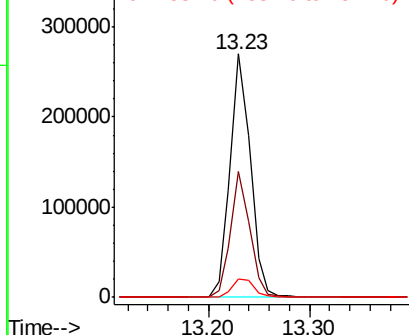
173 100

175 51.7 23.8 71.5

254 7.4 6.6 10.0



Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD063210.D

Acq: 29 Jul 2019 20:19

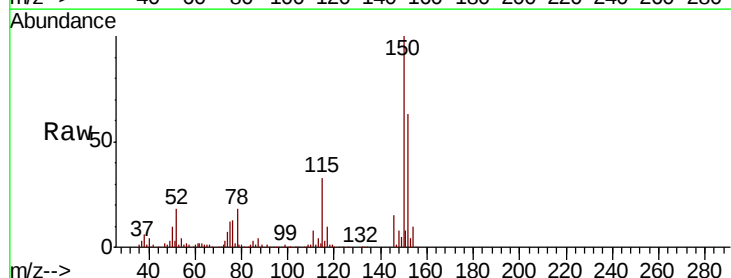
Tgt Ion:152 Resp: 670726

Ion Ratio Lower Upper

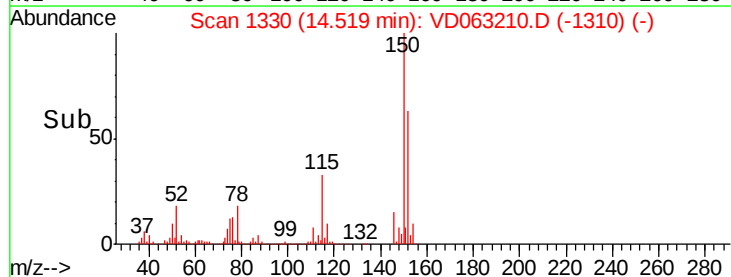
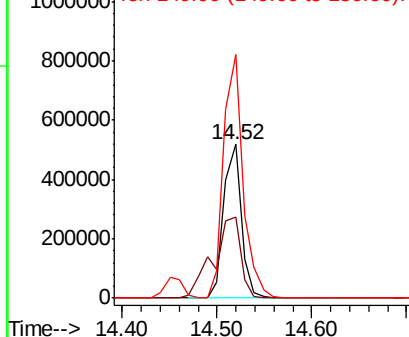
152 100

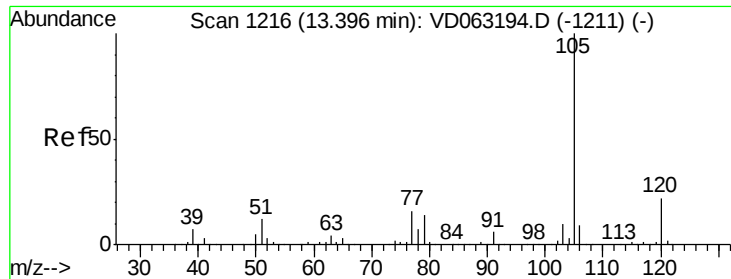
115 52.4 27.5 82.4

150 158.3 0.0 320.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.445 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. 0.00 min

Lab File: VD063210.D

Acq: 29 Jul 2019 20:19

Instrument :

MSVOA_D

ClientSampleId :

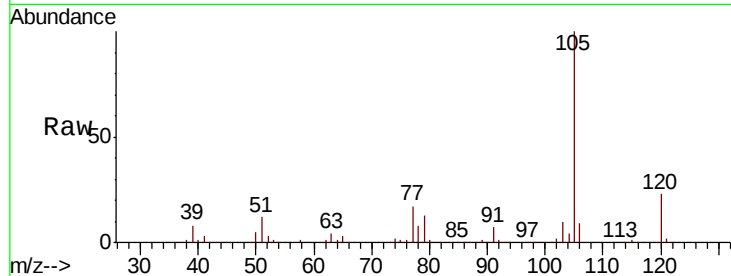
VSTDCCC050EC

Tot Ion:105 Resp: 2081476

Ion Ratio Lower Upper

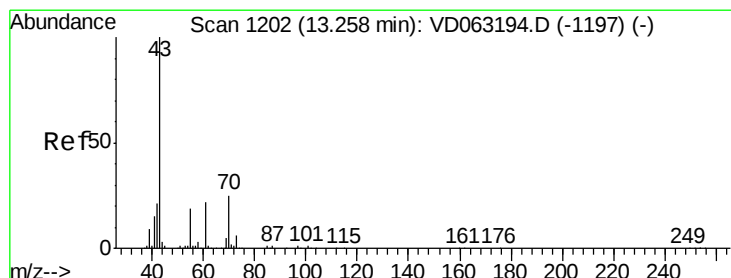
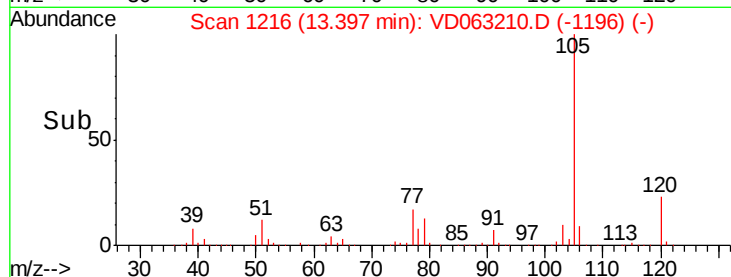
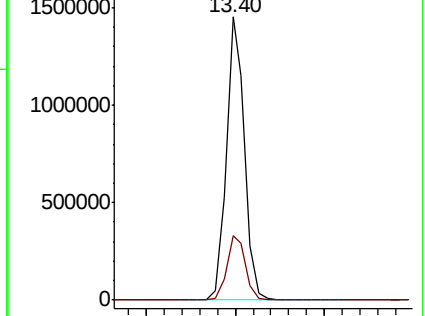
105 100

120 22.7 11.1 33.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 49.796 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VD063210.D

Acq: 29 Jul 2019 20:19

Tgt Ion: 43 Resp: 554161

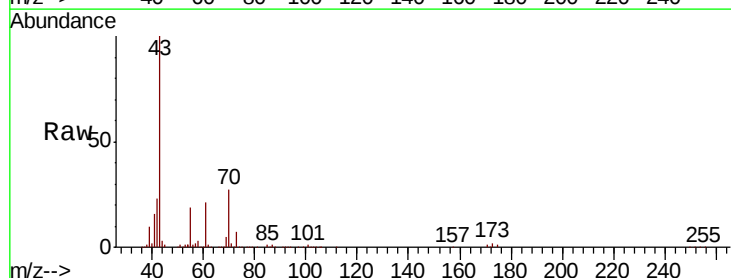
Ion Ratio Lower Upper

43 100

70 27.3 20.2 30.4

55 18.9 14.9 22.3

61 20.9 17.9 26.9

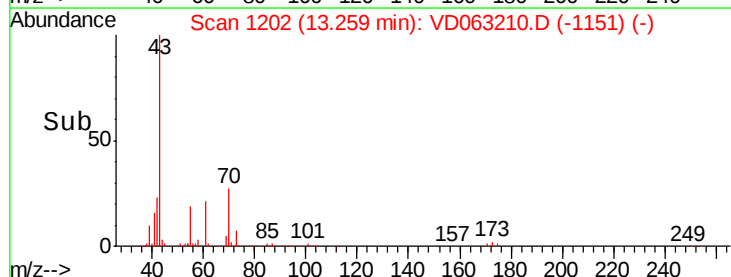
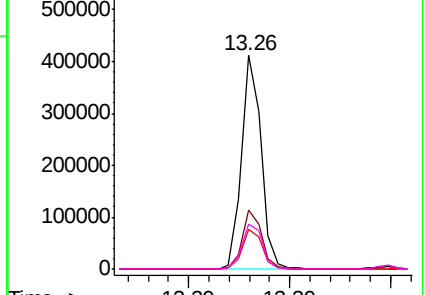


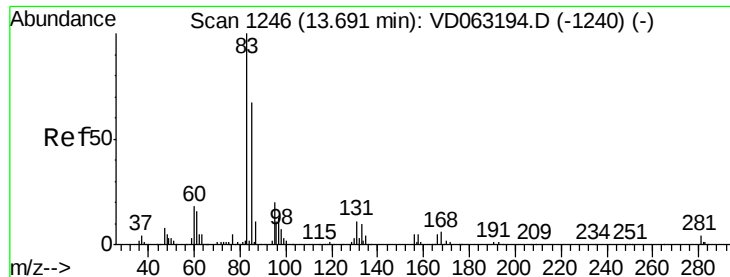
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 47.112 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. 0.00 min

Lab File: VD063210.D

Acq: 29 Jul 2019 20:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

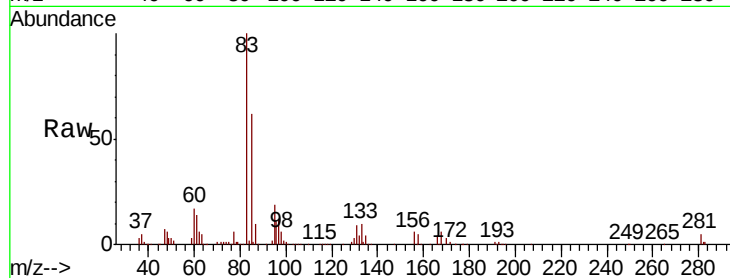
Tot Ion: 83 Resp: 336887

Ion	Ratio	Lower	Upper
83	100		
131	9.1	5.5	16.7
85	62.4	33.7	101.1

83 100

131 9.1 5.5 16.7

85 62.4 33.7 101.1



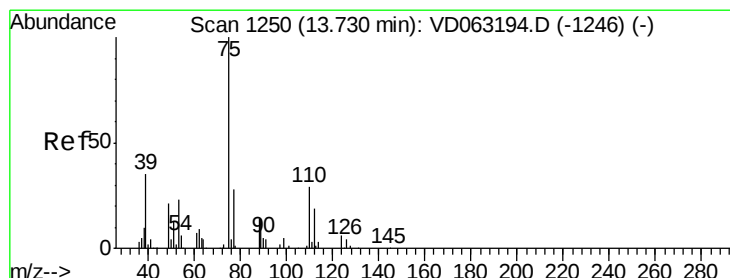
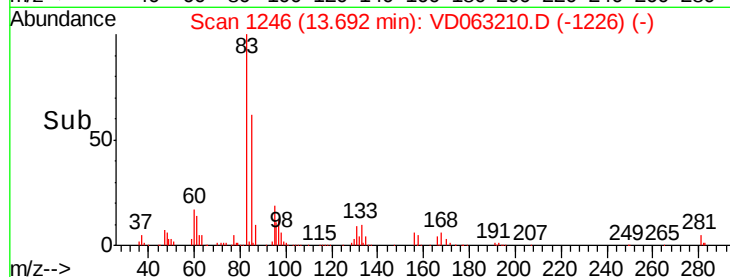
Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC

13.69

Time-->



#76

1,2,3-Trichloropropane

Concen: 48.523 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD063210.D

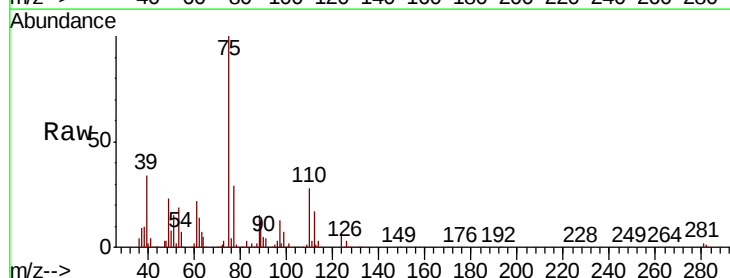
Acq: 29 Jul 2019 20:19

Tgt Ion: 75 Resp: 390913

Ion	Ratio	Lower	Upper
75	100		
77	29.5	16.0	48.0

75 100

77 29.5 16.0 48.0

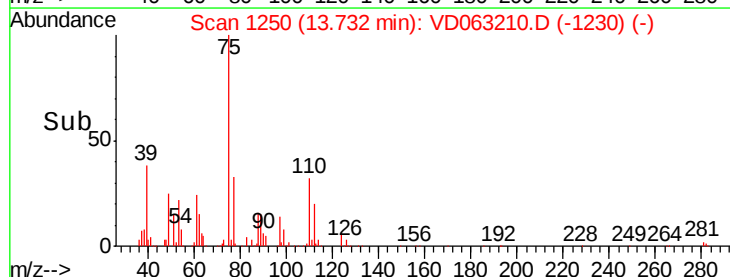


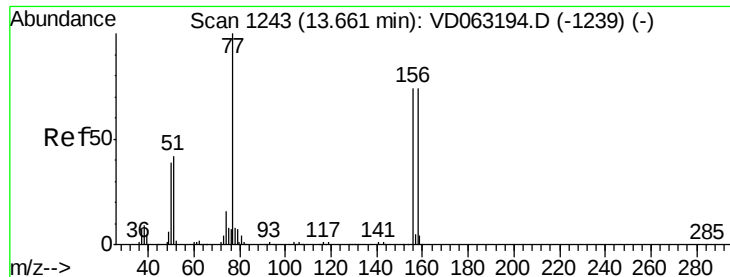
Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

13.73

Time-->





#77

Bromobenzene

Concen: 47.975 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. 0.00 min

Lab File: VD063210.D

Acq: 29 Jul 2019 20:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

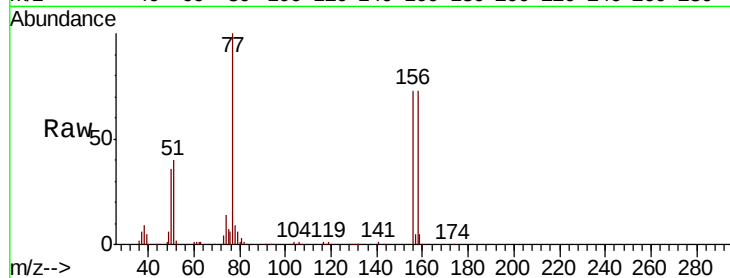
Tot Ion:156 Resp: 575324

Ion Ratio Lower Upper

156 100

77 137.9 67.6 202.8

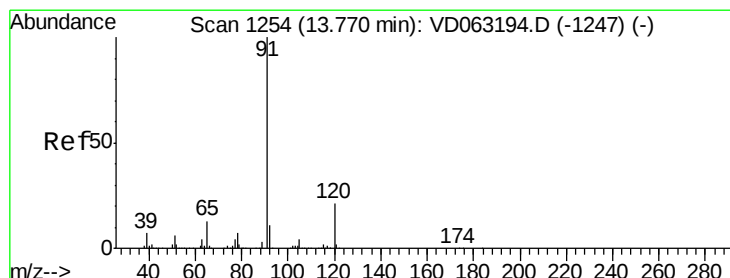
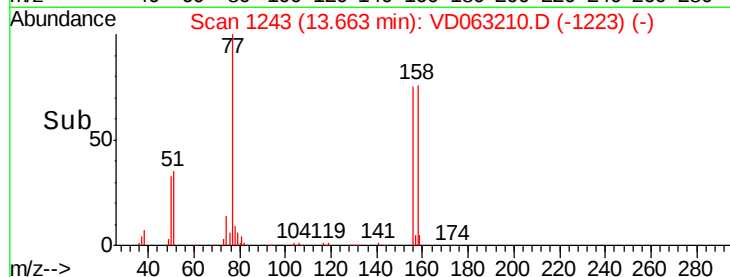
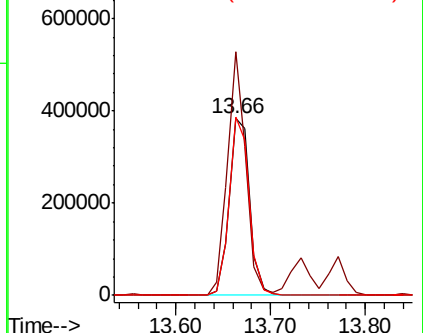
158 100.9 49.8 149.4



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 48.715 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD063210.D

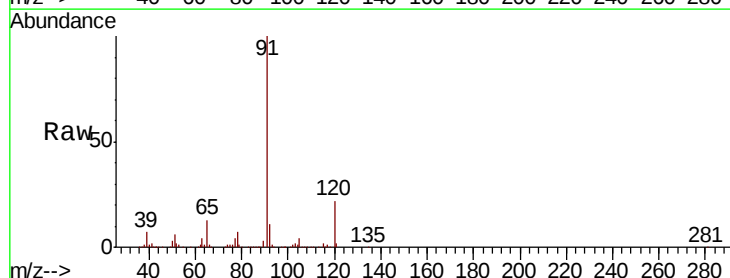
Acq: 29 Jul 2019 20:19

Tgt Ion: 91 Resp: 2440449

Ion Ratio Lower Upper

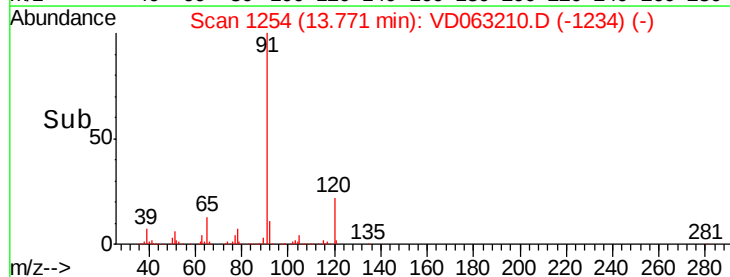
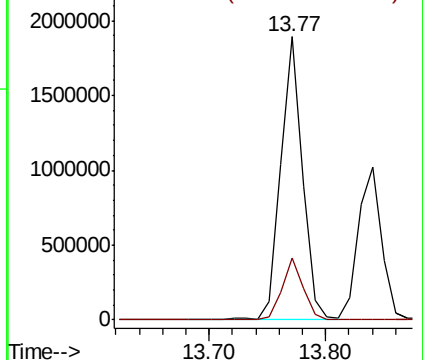
91 100

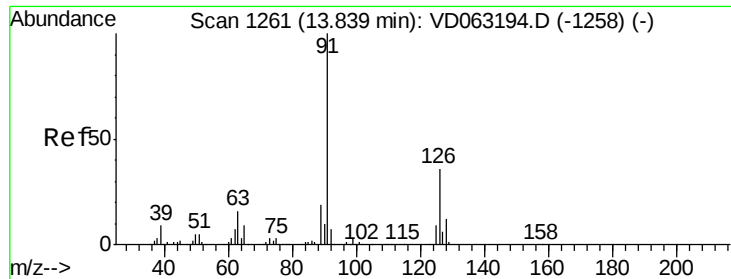
120 21.8 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 48.959 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VD063210.D

Acq: 29 Jul 2019 20:19

Instrument :

MSVOA_D

ClientSampleId :

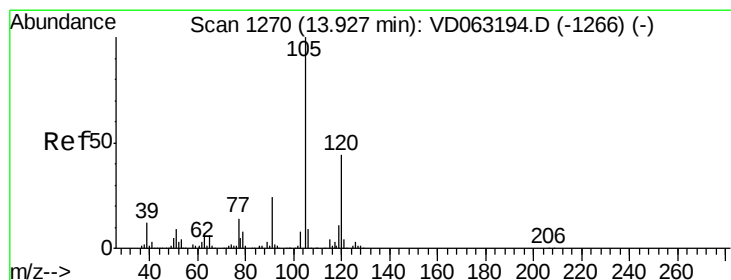
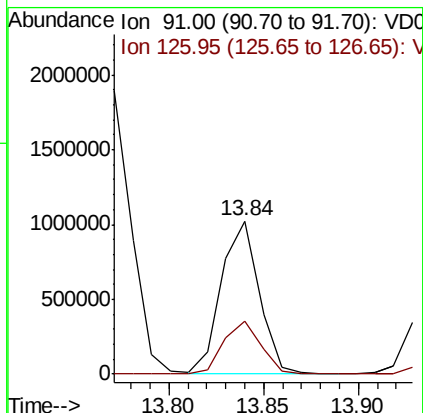
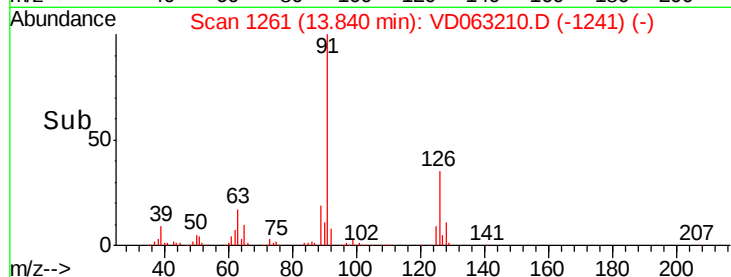
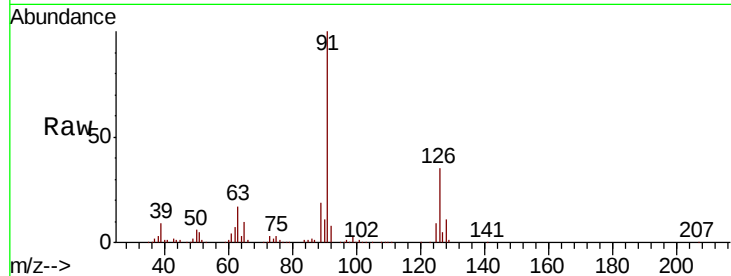
VSTDCCC050EC

Tot Ion: 91 Resp: 1421151

Ion Ratio Lower Upper

91 100

126 34.9 17.8 53.5



#80

1,3,5-Trimethylbenzene

Concen: 47.108 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD063210.D

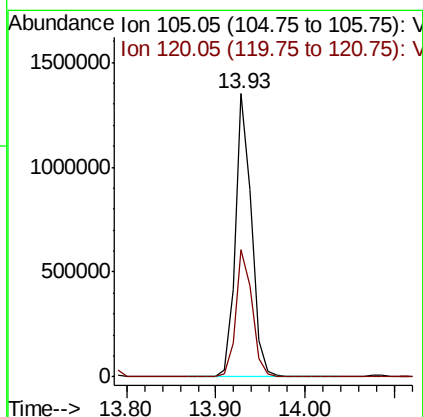
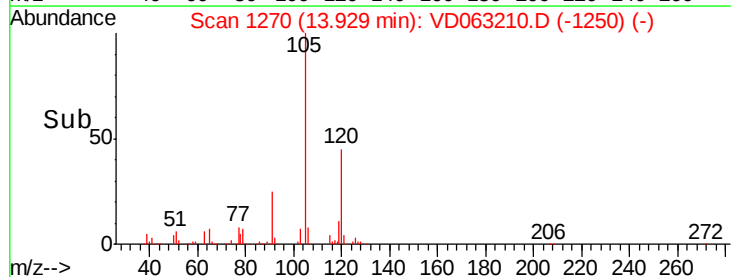
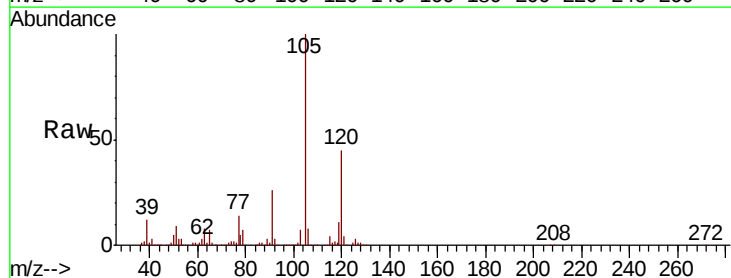
Acq: 29 Jul 2019 20:19

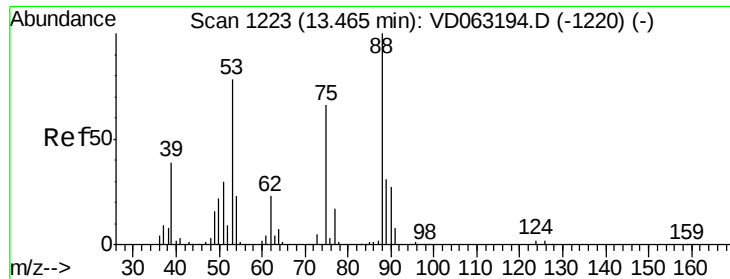
Tgt Ion:105 Resp: 1710413

Ion Ratio Lower Upper

105 100

120 44.9 22.1 66.1





#81

trans-1,4-Dichloro-2-butene

Concen: 44.223 ug/l

RT: 13.47 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD063210.D

Acq: 29 Jul 2019 20:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

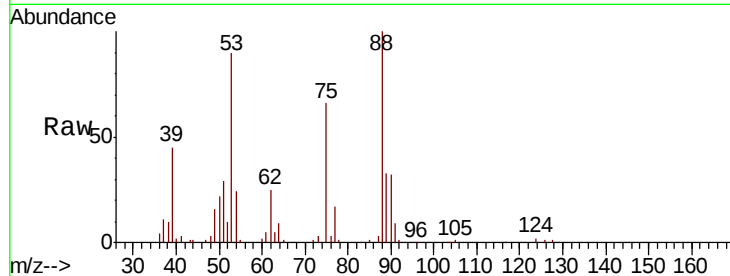
Tot Ion: 75 Resp: 98929

Ion Ratio Lower Upper

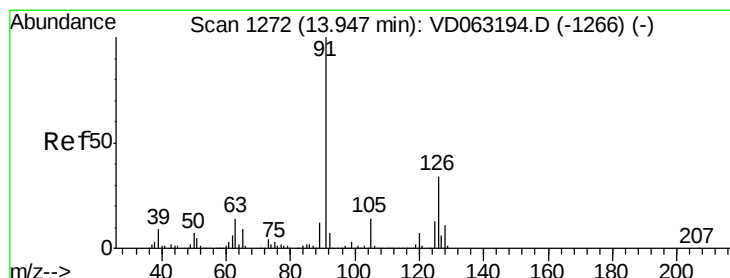
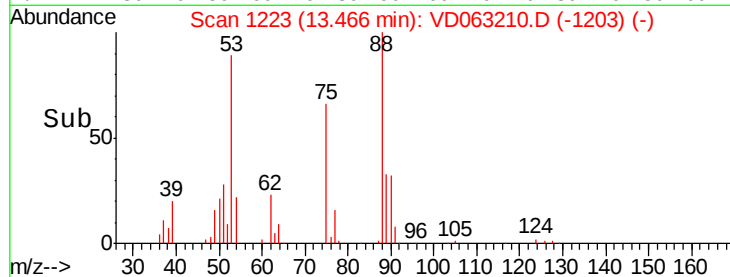
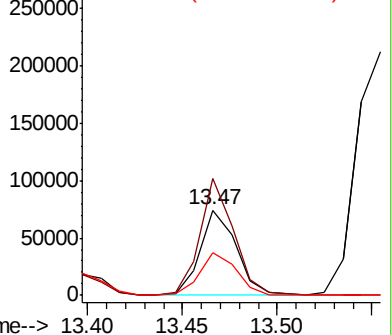
75 100

53 137.2 94.9 142.3

89 50.6 37.4 56.0



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 48.822 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VD063210.D

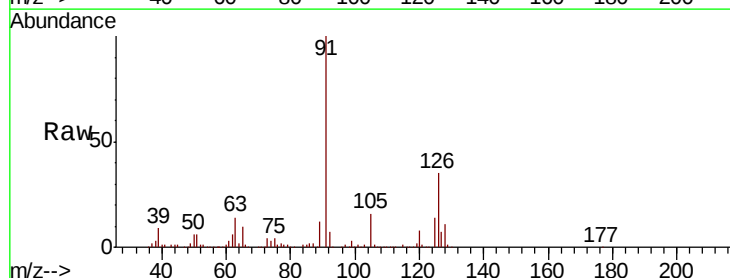
Acq: 29 Jul 2019 20:19

Tgt Ion: 91 Resp: 1667822

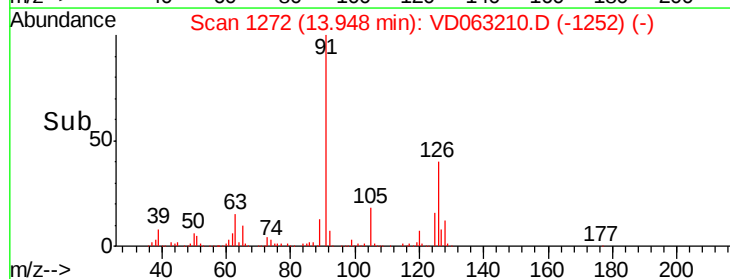
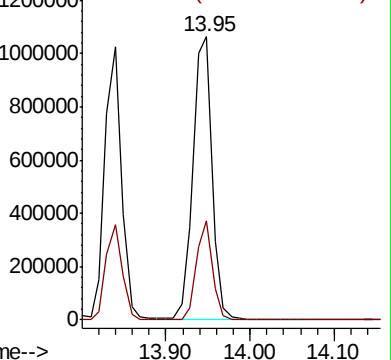
Ion Ratio Lower Upper

91 100

126 35.0 17.1 51.2



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





#83

tert-Butylbenzene

Concen: 47.549 ug/l

RT: 14.18 min Scan# 1296

Delta R.T. 0.00 min

Lab File: VD063210.D

Acq: 29 Jul 2019 20:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

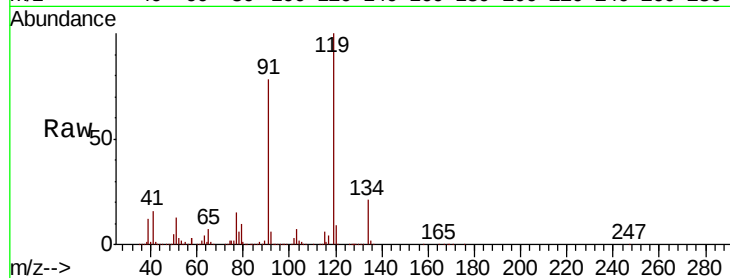
Tot Ion:119 Resp: 1971263

Ion Ratio Lower Upper

119 100

91 78.2 39.1 117.5

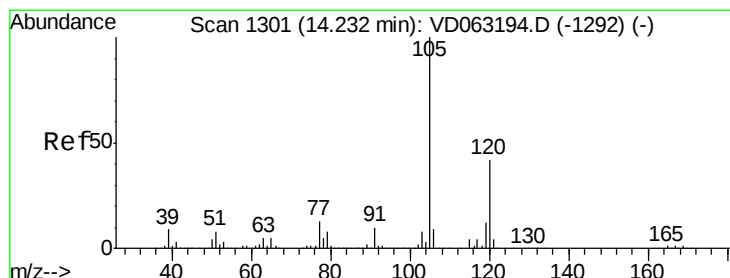
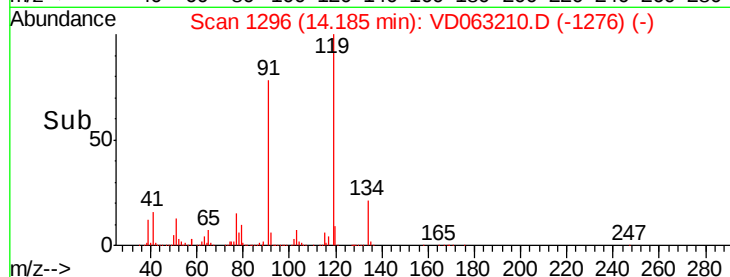
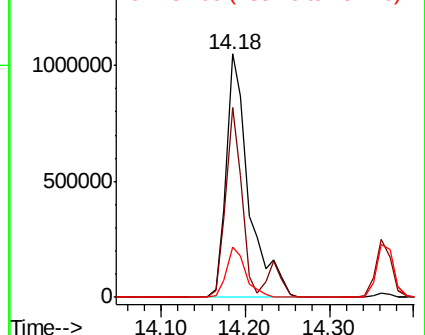
134 20.6 10.9 32.6



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 46.799 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VD063210.D

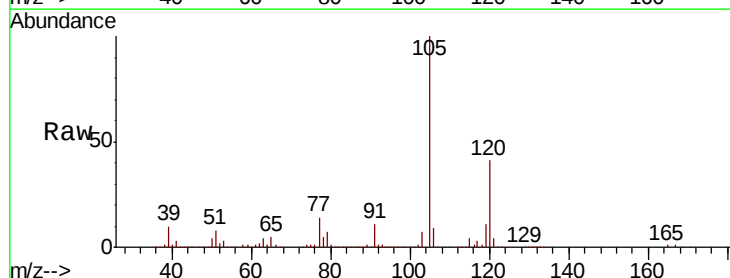
Acq: 29 Jul 2019 20:19

Tgt Ion:105 Resp: 1757535

Ion Ratio Lower Upper

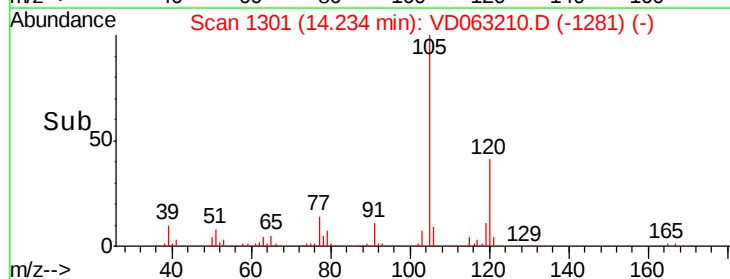
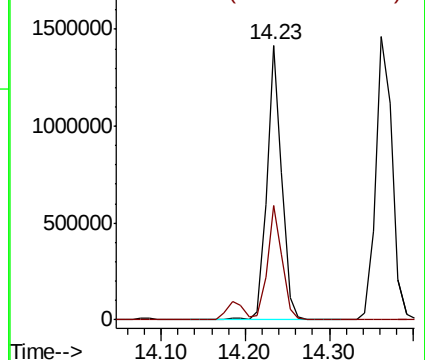
105 100

120 41.5 20.9 62.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 44.978 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. 0.00 min

Lab File: VD063210.D

Acq: 29 Jul 2019 20:19

Instrument :

MSVOA_D

ClientSampleId :

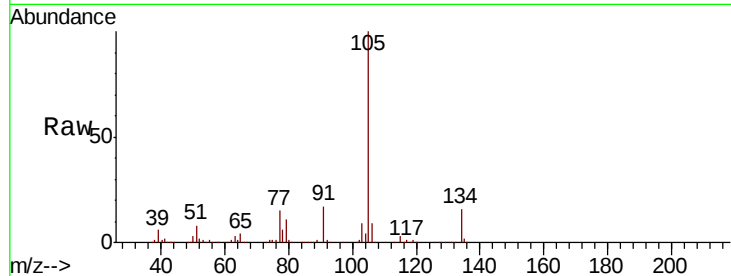
VSTDCCC050EC

Tot Ion:105 Resp: 1964563

Ion Ratio Lower Upper

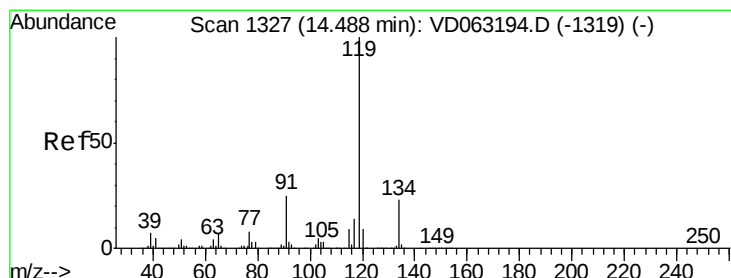
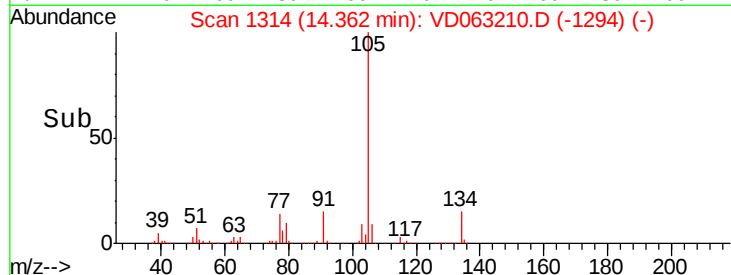
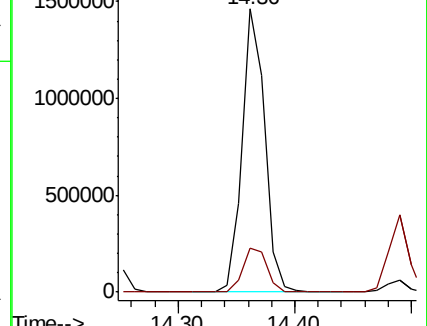
105 100

134 15.8 8.3 24.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 48.755 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. 0.00 min

Lab File: VD063210.D

Acq: 29 Jul 2019 20:19

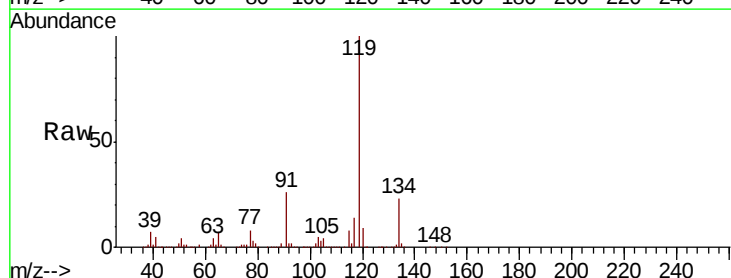
Tgt Ion:119 Resp: 2032544

Ion Ratio Lower Upper

119 100

134 23.3 11.5 34.5

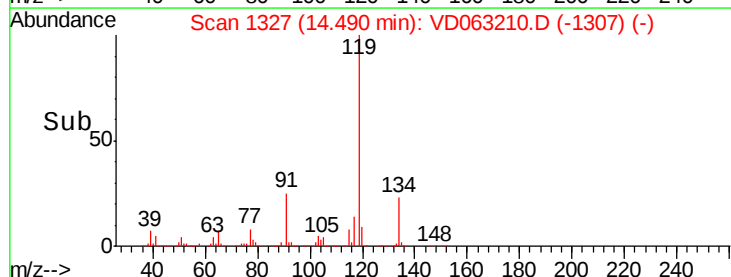
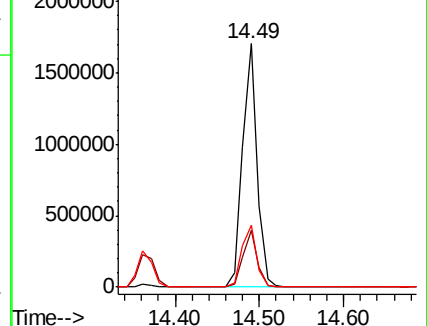
91 25.5 12.6 37.6

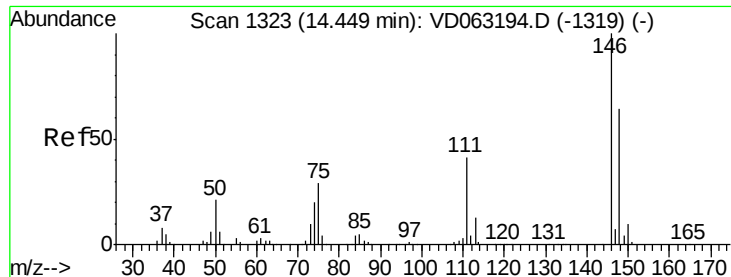


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

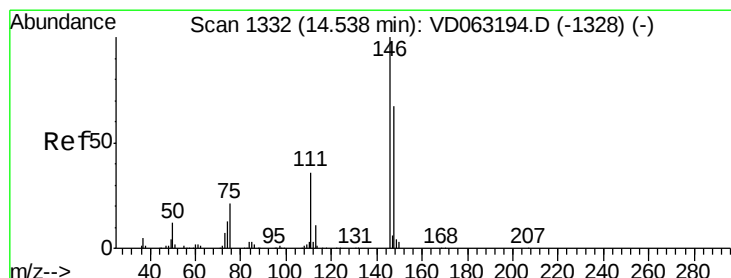
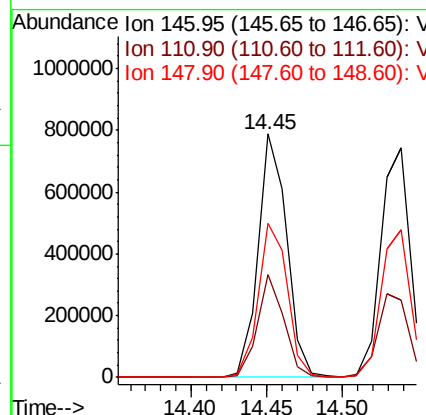
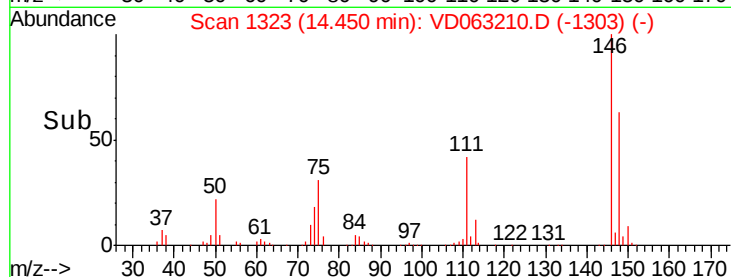
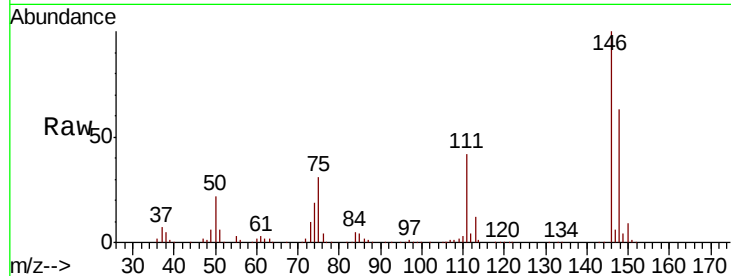




#87
 1,3-Dichlorobenzene
 Concen: 49.105 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VD063210.D
 Acq: 29 Jul 2019 20:19

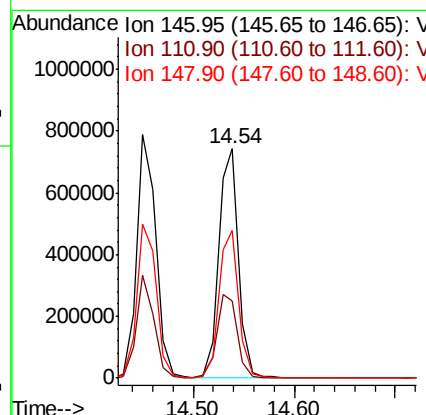
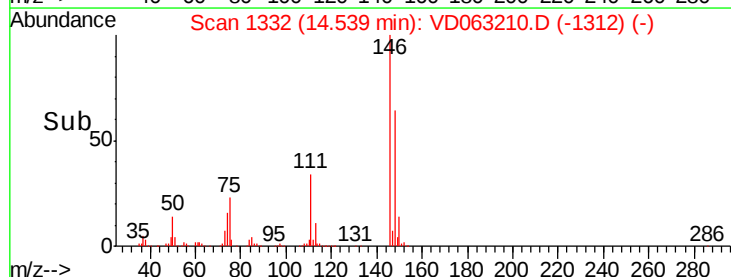
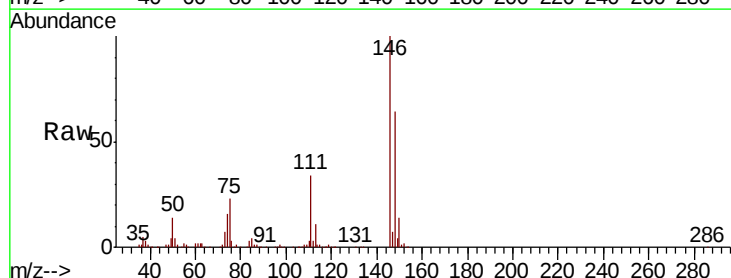
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

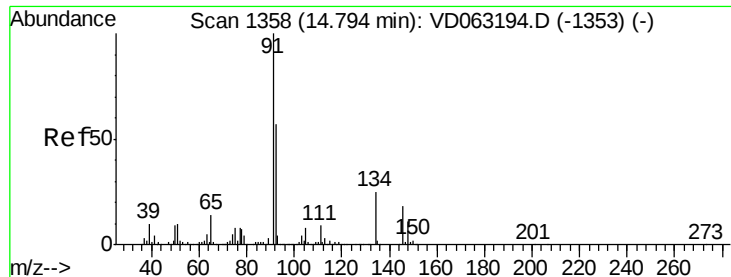
Tot Ion:146 Resp: 1042859
 Ion Ratio Lower Upper
 146 100
 111 42.4 20.4 61.3
 148 63.1 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 47.281 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD063210.D
 Acq: 29 Jul 2019 20:19

Tgt Ion:146 Resp: 1015371
 Ion Ratio Lower Upper
 146 100
 111 33.9 18.1 54.3
 148 64.2 33.4 100.1





#89

n-Butylbenzene

Concen: 50.789 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VD063210.D

Acq: 29 Jul 2019 20:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

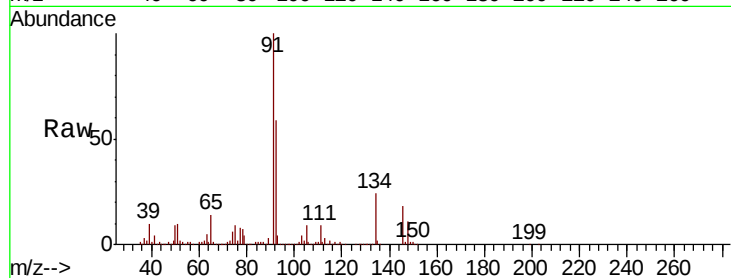
Tot Ion: 91 Resp: 1828716

Ion	Ratio	Lower	Upper
91	100		
92	59.0	28.3	85.0
134	23.6	12.3	36.8

91 100

92 59.0 28.3 85.0

134 23.6 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC

14.79

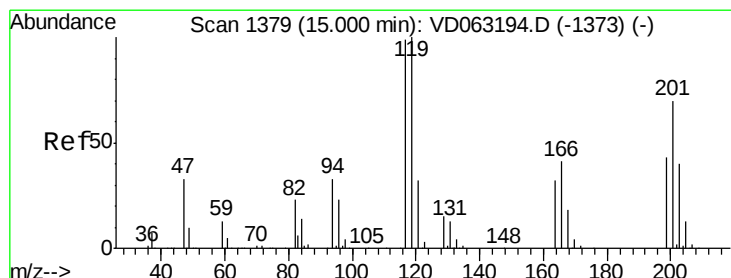
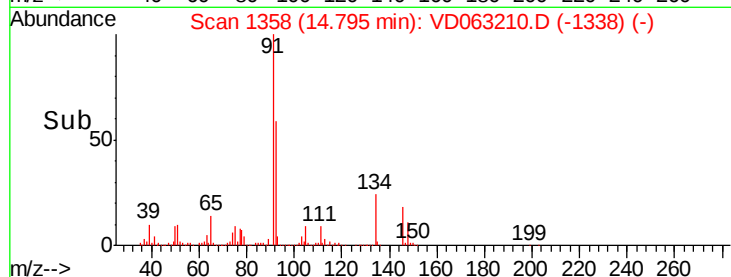
1500000

1000000

500000

0

Time--> 14.70 14.80 14.90



#90

Hexachloroethane

Concen: 48.433 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. 0.00 min

Lab File: VD063210.D

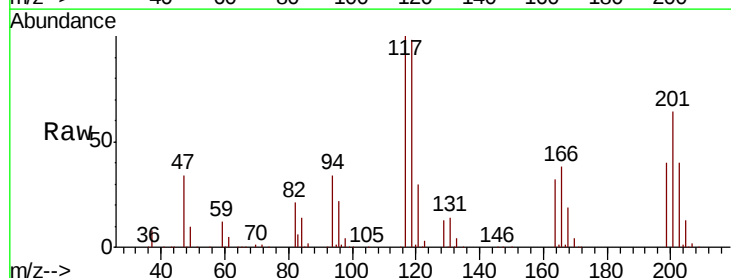
Acq: 29 Jul 2019 20:19

Tgt Ion: 117 Resp: 526051

Ion	Ratio	Lower	Upper
117	100		
201	63.9	35.2	105.6

117 100

201 63.9 35.2 105.6



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

15.00

400000

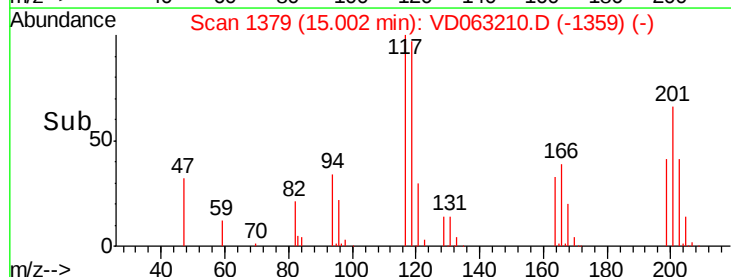
300000

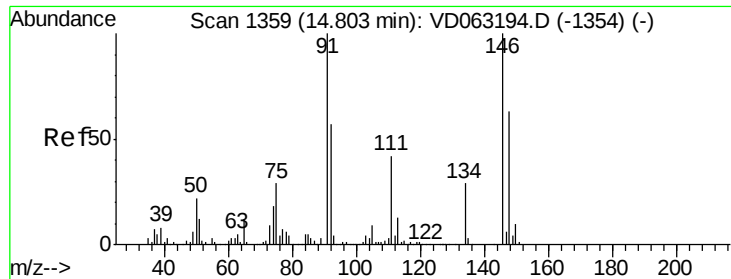
200000

100000

0

Time--> 14.90 15.00 15.10

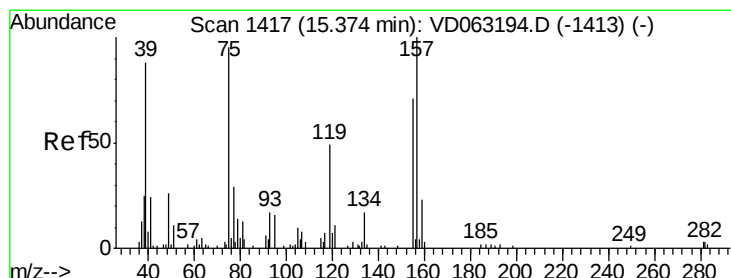
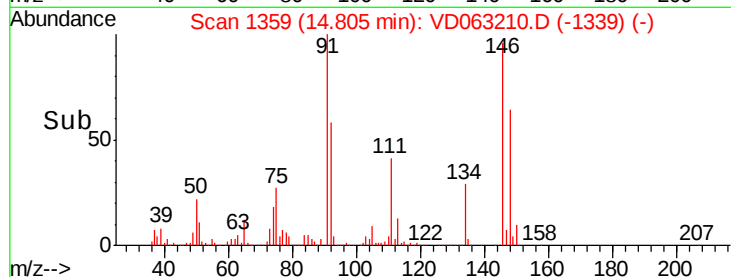
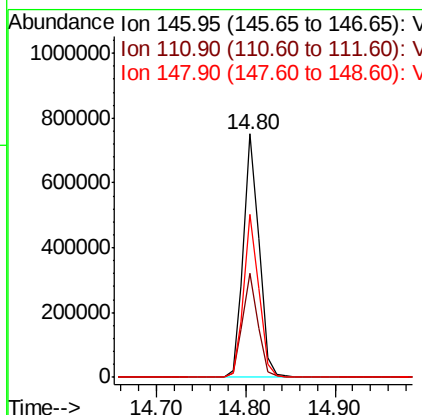
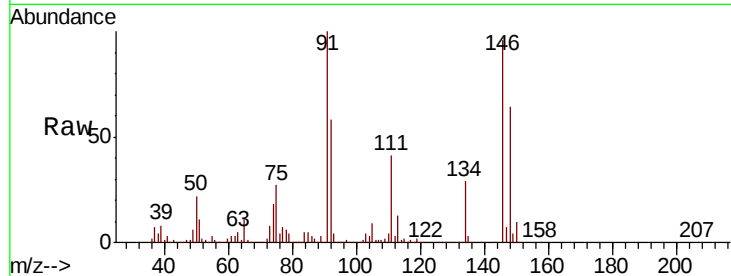




#91
 1,2-Dichlorobenzene
 Concen: 49.887 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VD063210.D
 Acq: 29 Jul 2019 20:19

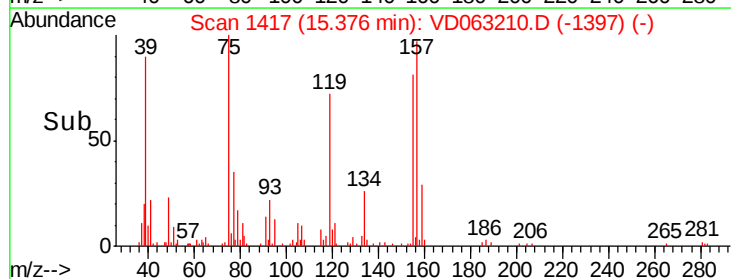
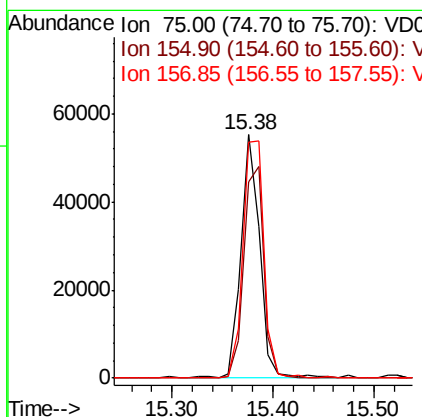
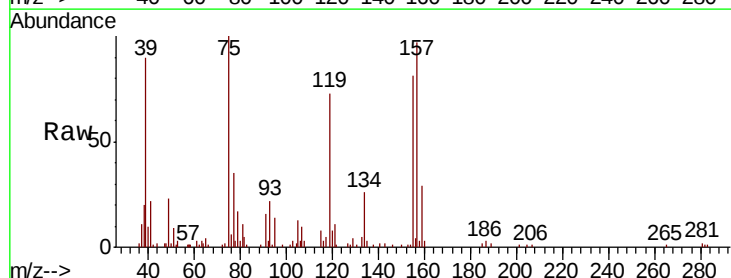
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

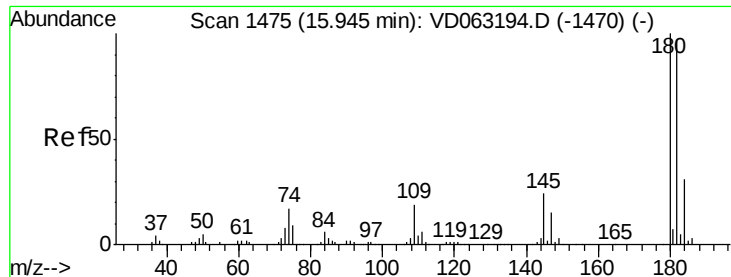
Tot Ion:146 Resp: 923088
 Ion Ratio Lower Upper
 146 100
 111 42.9 21.1 63.3
 148 66.8 31.6 94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.846 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: VD063210.D
 Acq: 29 Jul 2019 20:19

Tgt Ion: 75 Resp: 71148
 Ion Ratio Lower Upper
 75 100
 155 80.9 37.0 111.0
 157 96.7 52.4 157.2

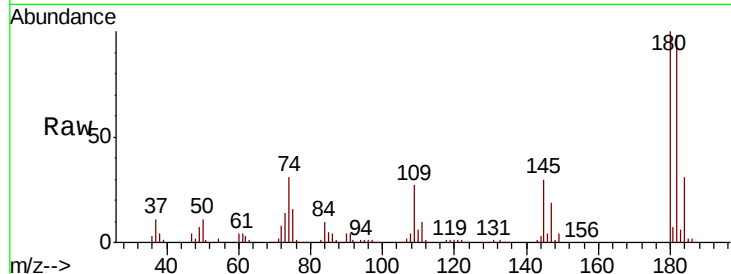




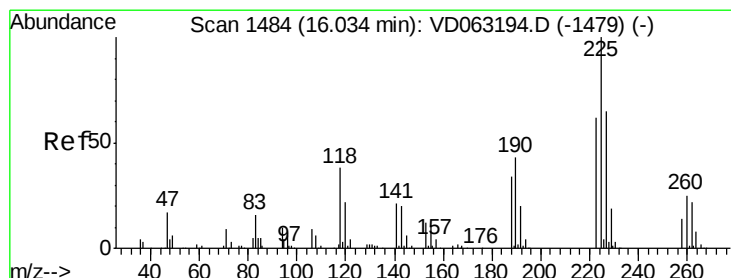
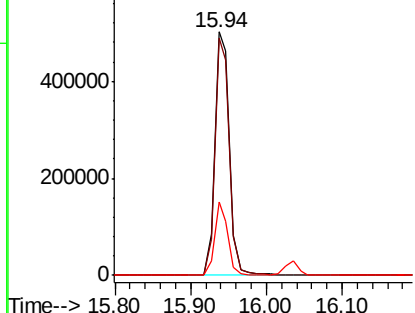
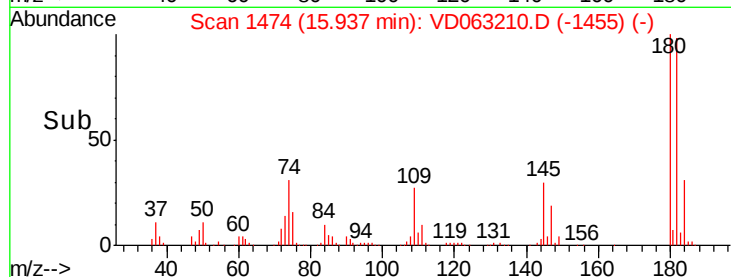
#93
 1,2,4-Trichlorobenzene
 Concen: 47.190 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD063210.D
 Acq: 29 Jul 2019 20:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 692697
 Ion Ratio Lower Upper
 180 100
 182 97.5 48.6 145.8
 145 30.1 12.2 36.6

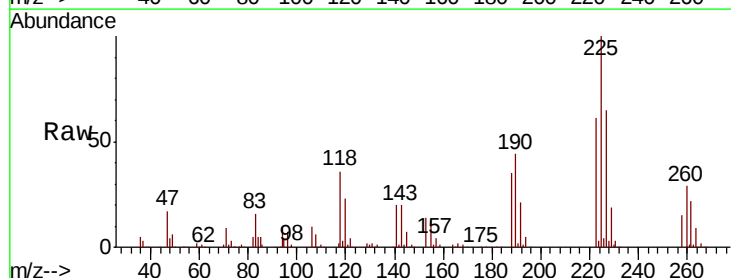


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

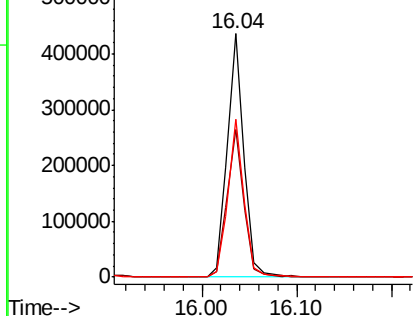
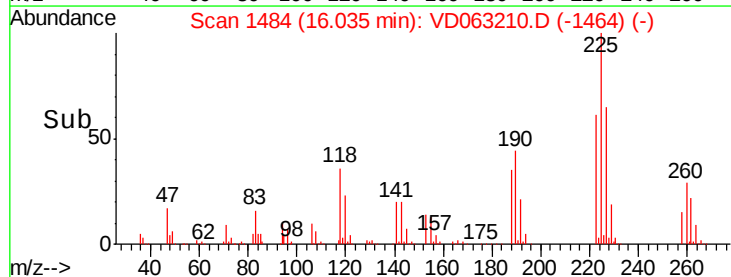


#94
 Hexachlorobutadiene
 Concen: 49.603 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD063210.D
 Acq: 29 Jul 2019 20:19

Tgt Ion:225 Resp: 527651
 Ion Ratio Lower Upper
 225 100
 223 60.9 30.9 92.5
 227 65.0 32.6 97.7



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V

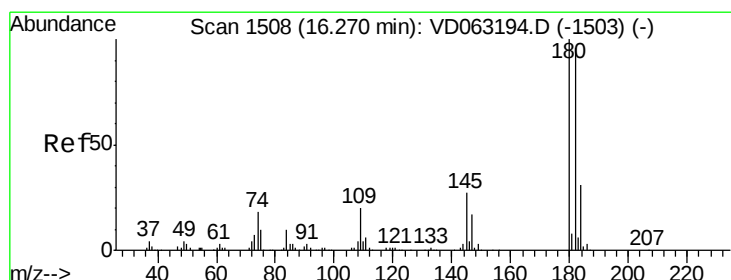
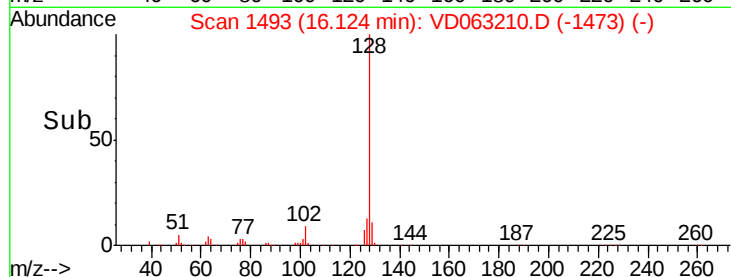
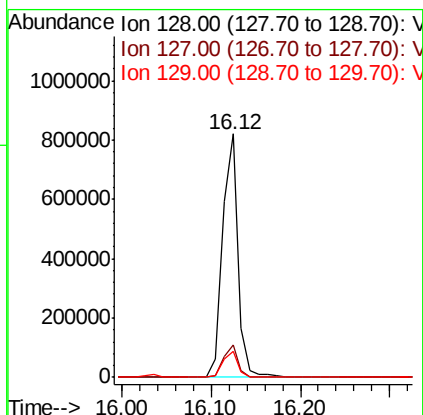
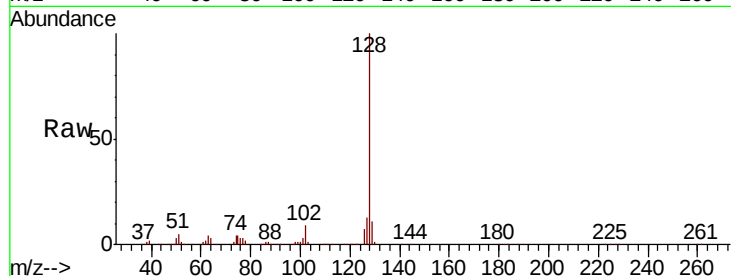




#95
Naphthalene
Concen: 48.335 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD063210.D
Acq: 29 Jul 2019 20:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 1002818
Ion Ratio Lower Upper
128 100
127 13.4 10.2 15.4
129 10.5 7.8 11.8



#96
1,2,3-Trichlorobenzene
Concen: 48.161 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD063210.D
Acq: 29 Jul 2019 20:19

Tgt Ion:180 Resp: 558489
Ion Ratio Lower Upper
180 100
182 97.8 48.3 144.9
145 25.0 13.6 40.7

