

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073019\
 Data File : VD063255.D
 Acq On : 30 Jul 2019 22:47
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 31 01:35:18 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	1008585	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1423445	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1208379	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	609695	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	629579	56.26	ug/l	0.00
Spiked Amount			Recovery	=	112.52%	
35) Dibromofluoromethane	6.92	113	695530	57.23	ug/l	0.00
Spiked Amount			Recovery	=	114.46%	
50) Toluene-d8	10.40	98	1514594	55.69	ug/l	0.00
Spiked Amount			Recovery	=	111.38%	
62) 4-Bromofluorobenzene	13.55	95	683814	55.17	ug/l	0.00
Spiked Amount			Recovery	=	110.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	541826	43.949	ug/l	99
3) Chloromethane	1.74	50	474974	49.587	ug/l	94
4) Vinyl Chloride	1.84	62	463536	46.746	ug/l	98
5) Bromomethane	2.14	94	223682	44.727	ug/l	97
6) Chloroethane	2.26	64	229056	50.032	ug/l	99
7) Trichlorofluoromethane	2.53	101	895909	46.572	ug/l	99
8) Diethyl Ether	2.86	74	133986	49.767	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.14	101	515651	48.390	ug/l	94
10) Methyl Iodide	3.30	142	761868	49.491	ug/l	97
11) Tert butyl alcohol	4.07	59	125344	255.218	ug/l	96
12) 1,1-Dichloroethene	3.12	96	377298	48.230	ug/l	92
13) Acrolein	3.03	56	120743	255.454	ug/l	91
14) Allyl chloride	3.61	41	611672	49.082	ug/l	95
15) Acrylonitrile	4.19	53	320666	251.842	ug/l	89
16) Acetone	3.22	43	533121	244.496	ug/l	97
17) Carbon Disulfide	3.36	76	1266054	48.352	ug/l	96
18) Methyl Acetate	3.64	43	225811	53.914	ug/l	95
19) Methyl tert-butyl Ether	4.23	73	925324	52.364	ug/l	98
20) Methylene Chloride	3.80	84	423104	48.005	ug/l	93
21) trans-1,2-Dichloroethene	4.20	96	434066	49.451	ug/l	97
22) Diisopropyl ether	5.12	45	1310199	52.622	ug/l	99
23) Vinyl Acetate	5.05	43	3991855	260.820	ug/l	99
24) 1,1-Dichloroethane	4.97	63	820919	51.618	ug/l	95
25) 2-Butanone	6.06	43	574392	262.483	ug/l #	90
26) 2,2-Dichloropropane	6.01	77	778529	47.502	ug/l	100
27) cis-1,2-Dichloroethene	6.03	96	498032	52.921	ug/l	89
28) Bromochloromethane	6.43	49	338624	53.440	ug/l	92
29) Tetrahydrofuran	6.45	42	282876	273.033	ug/l	96
30) Chloroform	6.65	83	1034615	52.420	ug/l	94
31) Cyclohexane	6.95	56	496849	49.841	ug/l	97
32) 1,1,1-Trichloroethane	6.86	97	951901	49.862	ug/l	97
36) 1,1-Dichloropropene	7.13	75	620515	47.766	ug/l	96
37) Ethyl Acetate	6.17	43	282682	48.436	ug/l #	95
38) Carbon Tetrachloride	7.10	117	983047	50.265	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	530176	48.984	ug/l	96
40) Benzene	7.45	78	1422460	52.246	ug/l	98
41) Methacrylonitrile	6.45	41	374134	53.591	ug/l #	94
42) 1,2-Dichloroethane	7.57	62	720047	49.902	ug/l	99
43) Isopropyl Acetate	9.23	43	401949	53.916	ug/l #	99
44) Trichloroethene	8.53	130	528136	47.872	ug/l	97
45) 1,2-Dichloropropane	8.94	63	344203	49.739	ug/l	97
46) Dibromomethane	9.05	93	304166	52.861	ug/l	89
47) Bromodichloromethane	9.37	83	747306	50.949	ug/l	98
48) Methyl methacrylate	9.11	41	259395	53.648	ug/l	99
49) 1,4-Dioxane	9.07	88	47476	1159.770	ug/l #	83
51) 4-Methyl-2-Pentanone	10.29	43	1337472	263.795	ug/l	97
52) Toluene	10.50	92	916788	50.628	ug/l	92
53) t-1,3-Dichloropropene	10.90	75	667830	52.812	ug/l	99
54) cis-1,3-Dichloropropene	10.03	75	678062	51.020	ug/l	96
55) 1,1,2-Trichloroethane	11.18	97	320640	52.429	ug/l	96
56) Ethyl methacrylate	11.03	69	351031	52.417	ug/l	97
57) 1,3-Dichloropropane	11.40	76	480156	49.830	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.85	63	792784	227.506	ug/l	99
59) 2-Hexanone	11.52	43	925438	253.285	ug/l	99
60) Dibromochloromethane	11.68	129	625136	54.145	ug/l	98
61) 1,2-Dibromoethane	11.80	107	382724	50.716	ug/l	92
64) Tetrachloroethene	11.25	164	496412	51.566	ug/l	98
65) Chlorobenzene	12.39	112	1144258	49.231	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	538685	52.616	ug/l	95
67) Ethyl Benzene	12.52	91	1970406	49.904	ug/l	100
68) m/p-Xylenes	12.66	106	1318286	91.042	ug/l	93
69) o-Xylene	13.04	106	715305	53.794	ug/l	96
70) Styrene	13.07	104	1281333	54.337	ug/l	99
71) Bromoform	13.23	173	381506	51.241	ug/l	97
73) Isopropylbenzene	13.40	105	2070045	54.096	ug/l	96
74) N-amyl acetate	13.26	43	555652	54.928	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.69	83	365261	56.193	ug/l	95
76) 1,2,3-Trichloropropane	13.73	75	407786	55.684	ug/l	97
77) Bromobenzene	13.66	156	551813	50.621	ug/l	94
78) n-propylbenzene	13.77	91	2323711	51.028	ug/l	98
79) 2-Chlorotoluene	13.84	91	1445666	54.789	ug/l	100
80) 1,3,5-Trimethylbenzene	13.93	105	1588290	48.124	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.46	75	106237	52.243	ug/l	93
82) 4-Chlorotoluene	13.94	91	1587822	51.133	ug/l	87
83) tert-Butylbenzene	14.18	119	1865881	49.513	ug/l	99
84) 1,2,4-Trimethylbenzene	14.23	105	1753136	51.354	ug/l	99
85) sec-Butylbenzene	14.36	105	1991315	50.154	ug/l	100
86) p-Isopropyltoluene	14.49	119	1804668	47.622	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	1052371	54.514	ug/l	99
88) 1,4-Dichlorobenzene	14.54	146	938696	48.086	ug/l	95
89) n-Butylbenzene	14.79	91	1739228	53.139	ug/l	95
90) Hexachloroethane	15.00	117	499078	50.549	ug/l	95
91) 1,2-Dichlorobenzene	14.80	146	886146	52.685	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.37	75	71653	54.117	ug/l	92

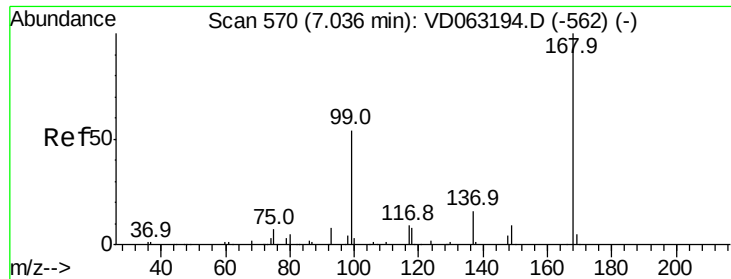
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD073019\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	626558	46.957	ug/l	97
94) Hexachlorobutadiene	16.03	225	437601	45.255	ug/l	99
95) Naphthalene	16.12	128	941963	49.947	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	479510	45.490	ug/l	98

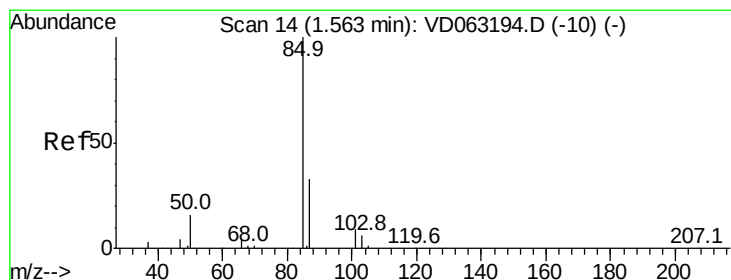
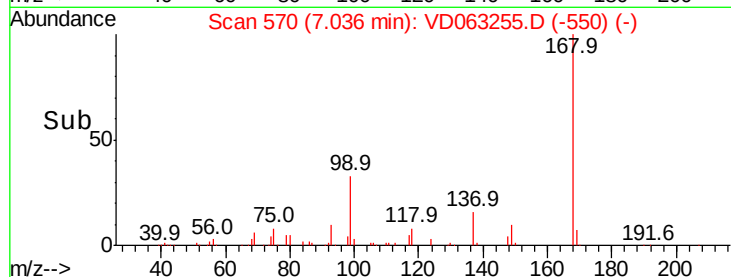
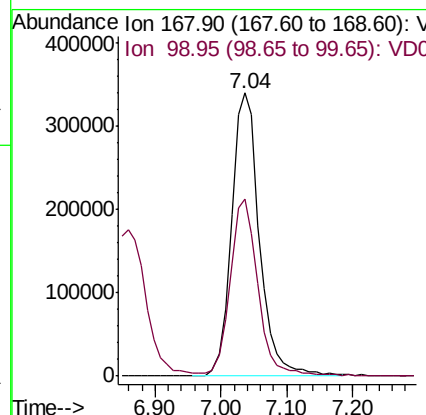
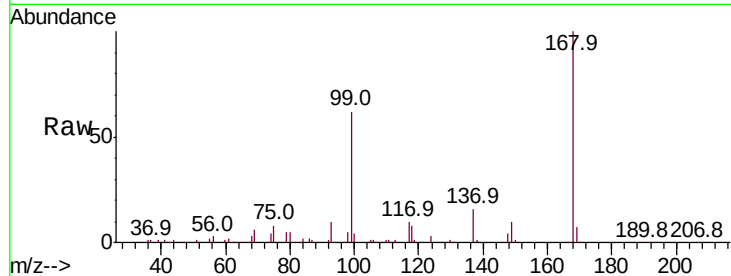
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.04 min Scan# 570
Delta R.T. -0.00 min
Lab File: VD063255.D
Acq: 30 Jul 2019 22:47

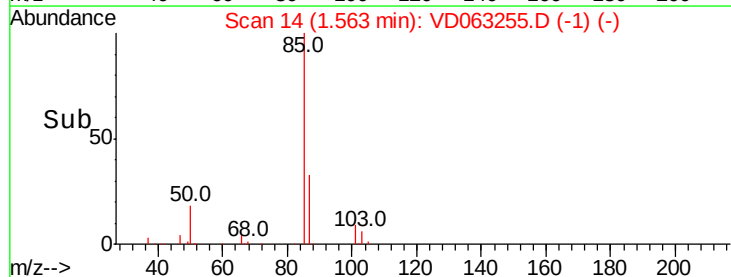
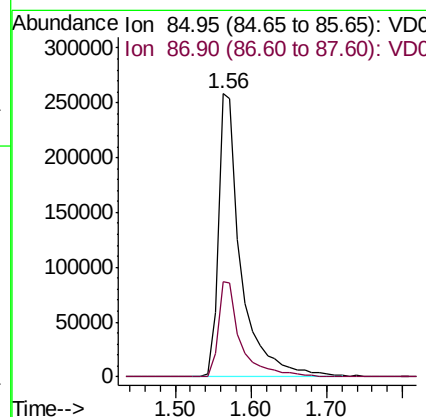
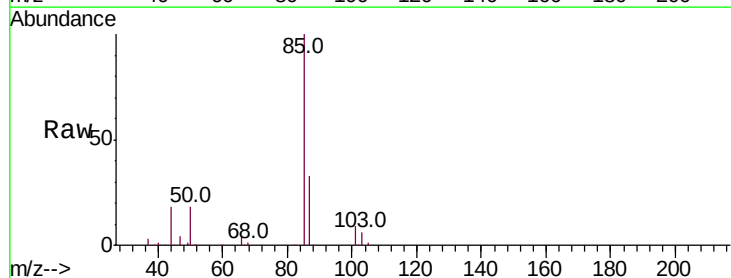
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

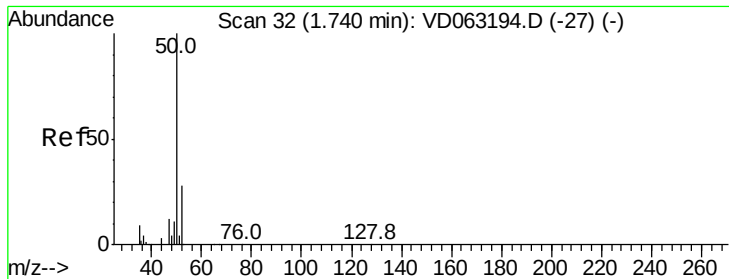
Tot Ion:168 Resp: 1008585
Ion Ratio Lower Upper
168 100
99 62.4 43.7 65.5



#2
Dichlorodifluoromethane
Concen: 43.949 ug/l
RT: 1.56 min Scan# 14
Delta R.T. -0.00 min
Lab File: VD063255.D
Acq: 30 Jul 2019 22:47

Tgt Ion: 85 Resp: 541826
Ion Ratio Lower Upper
85 100
87 33.5 16.6 49.7





#3

Chloromethane

Concen: 49.587 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.00 min

Lab File: VD063255.D

Acq: 30 Jul 2019 22:47

Instrument :

MSVOA_D

ClientSampleId :

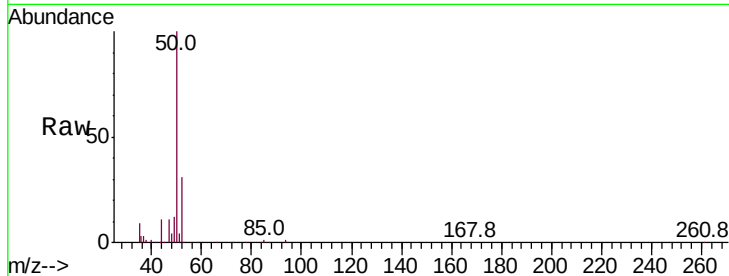
VSTDCCC050

Tot Ion: 50 Resp: 474974

Ion Ratio Lower Upper

50 100

52 31.3 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

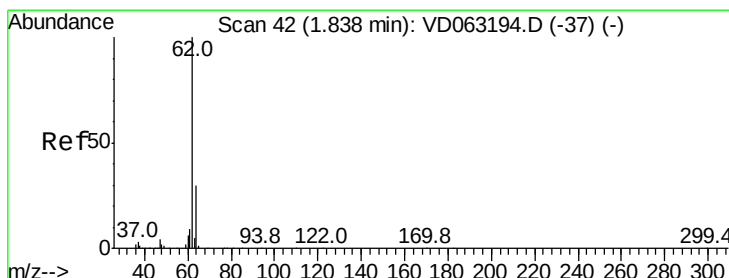
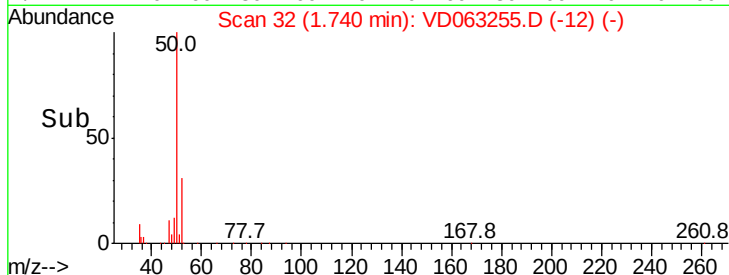
100000

50000

0

1.60 1.70 1.80 1.90

Time-->



#4

Vinyl Chloride

Concen: 46.746 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.00 min

Lab File: VD063255.D

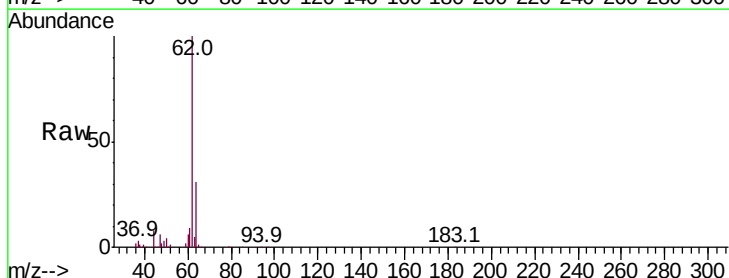
Acq: 30 Jul 2019 22:47

Tgt Ion: 62 Resp: 463536

Ion Ratio Lower Upper

62 100

64 31.2 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

250000

200000

150000

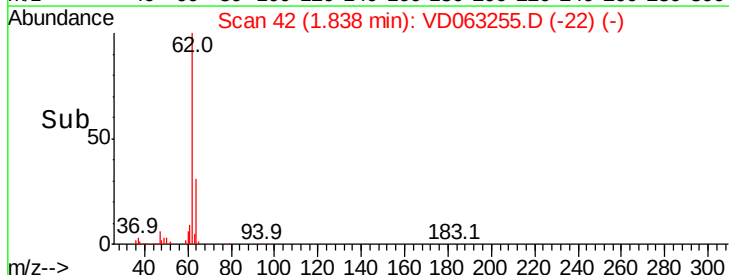
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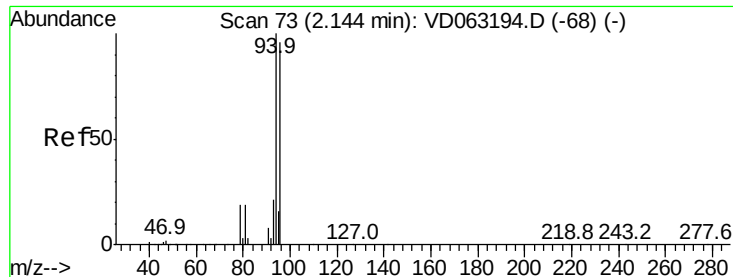
50000

0

1.80 1.90 2.00

Time-->





#5

Bromomethane

Concen: 44.727 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD063255.D

Acq: 30 Jul 2019 22:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

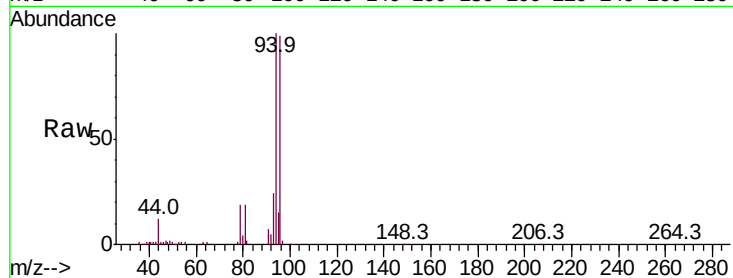
Tot Ion: 94 Resp: 223682

Ion Ratio Lower Upper

94 100

96 98.6 76.4 114.6

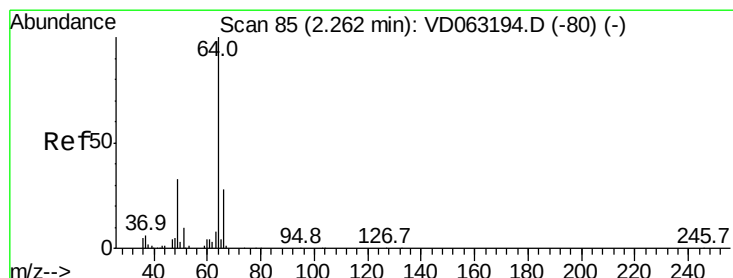
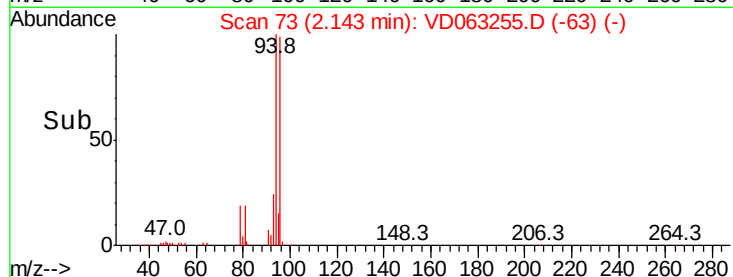
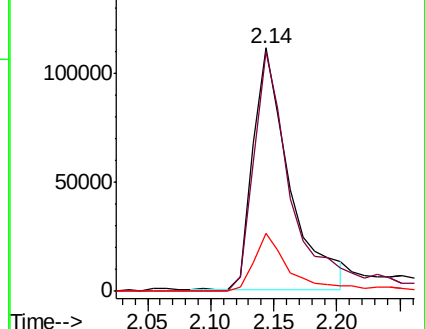
93 23.7 17.3 25.9



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: 50.032 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.00 min

Lab File: VD063255.D

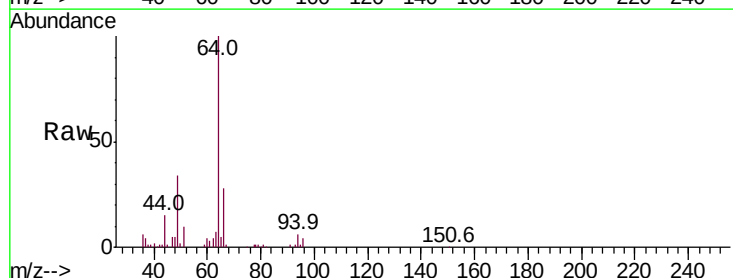
Acq: 30 Jul 2019 22:47

Tgt Ion: 64 Resp: 229056

Ion Ratio Lower Upper

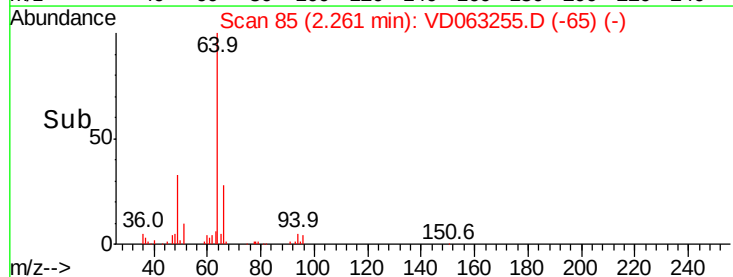
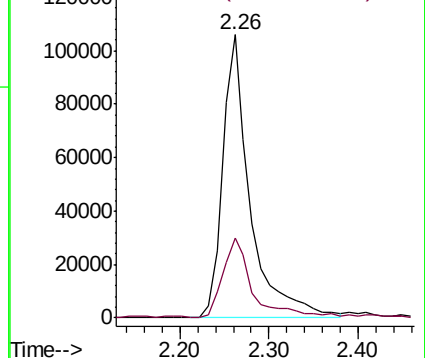
64 100

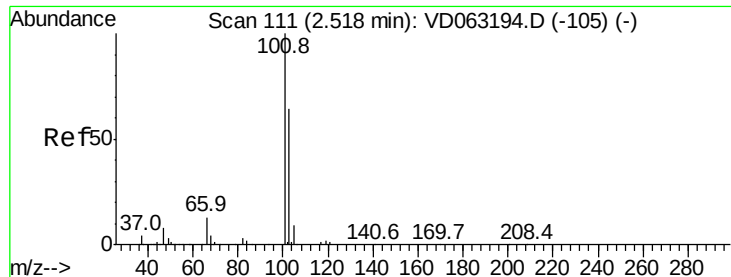
66 28.2 22.2 33.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



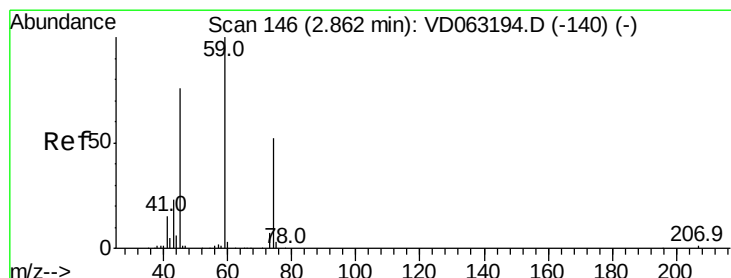
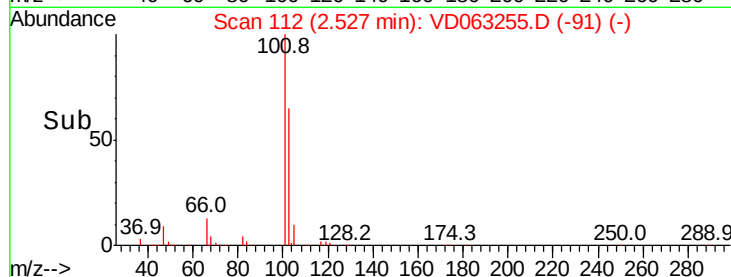
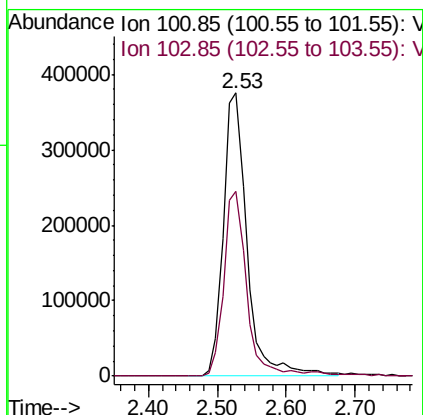
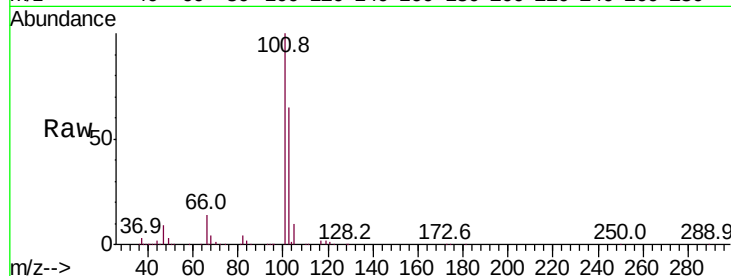


#7

Trichlorofluoromethane
 Concen: 46.572 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. 0.01 min
 Lab File: VD063255.D
 Acq: 30 Jul 2019 22:47

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 ClientSampleId :
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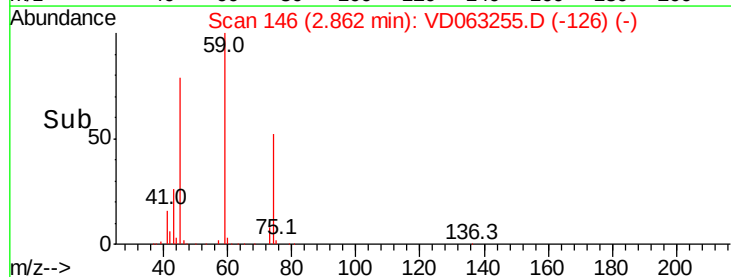
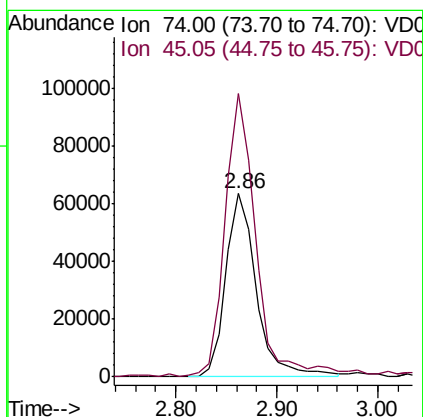
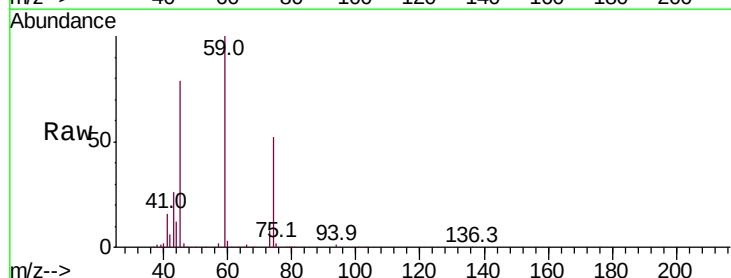
Tot Ion:101 Resp: 895909
 Ion Ratio Lower Upper
 101 100
 103 65.4 51.5 77.3

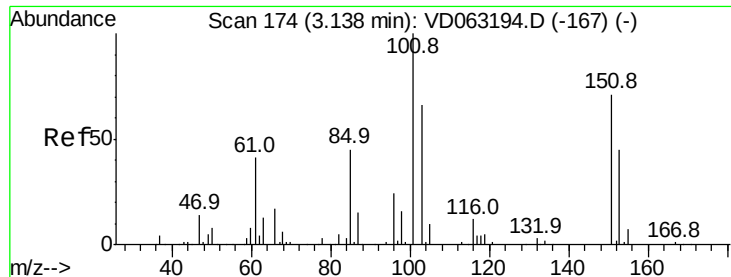


#8

Diethyl Ether
 Concen: 49.767 ug/l
 RT: 2.86 min Scan# 146
 Delta R.T. -0.00 min
 Lab File: VD063255.D
 Acq: 30 Jul 2019 22:47

Tgt Ion: 74 Resp: 133986
 Ion Ratio Lower Upper
 74 100
 45 154.3 73.6 220.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.390 ug/l

RT: 3.14 min Scan# 174

Delta R.T. -0.00 min

Lab File: VD063255.D

Acq: 30 Jul 2019 22:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

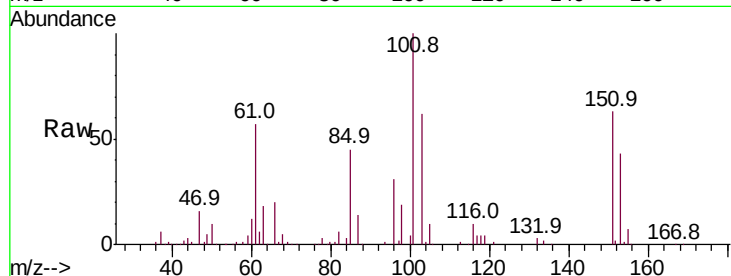
Tot Ion:101 Resp: 515651

Ion Ratio Lower Upper

101 100

85 45.2 36.1 54.1

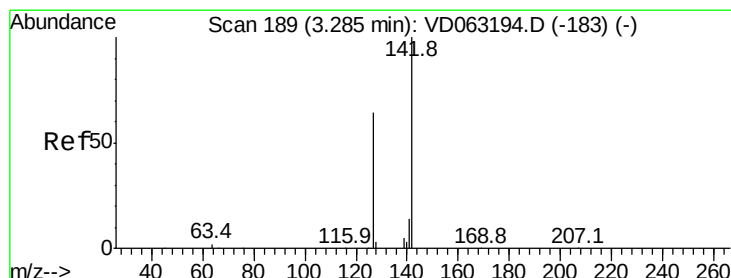
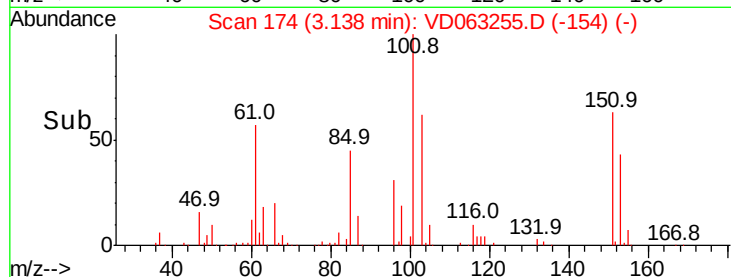
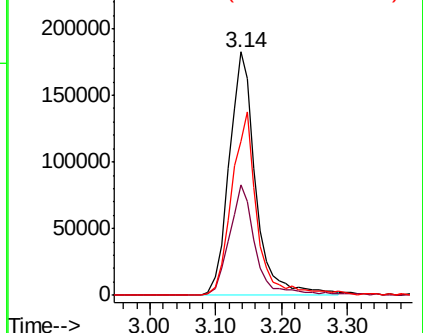
151 63.0 57.1 85.7



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: 49.491 ug/l

RT: 3.30 min Scan# 190

Delta R.T. 0.01 min

Lab File: VD063255.D

Acq: 30 Jul 2019 22:47

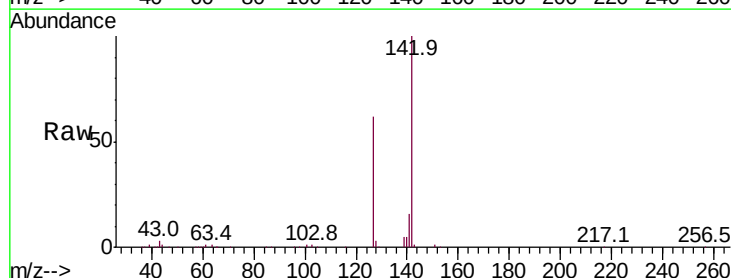
Tgt Ion:142 Resp: 761868

Ion Ratio Lower Upper

142 100

127 61.6 50.8 76.2

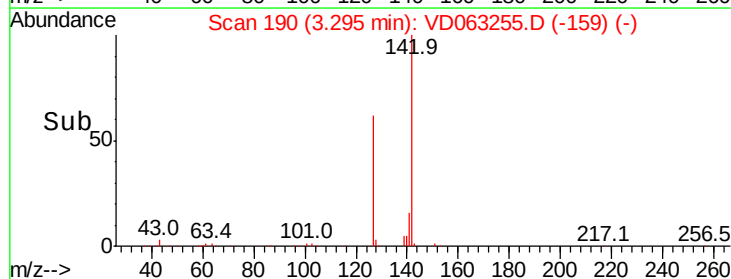
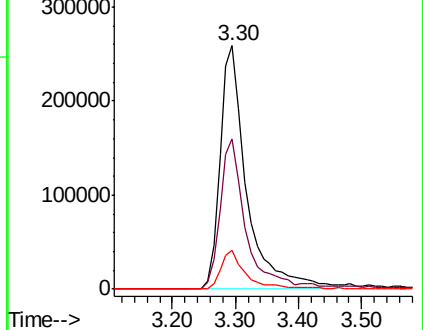
141 16.2 11.4 17.2

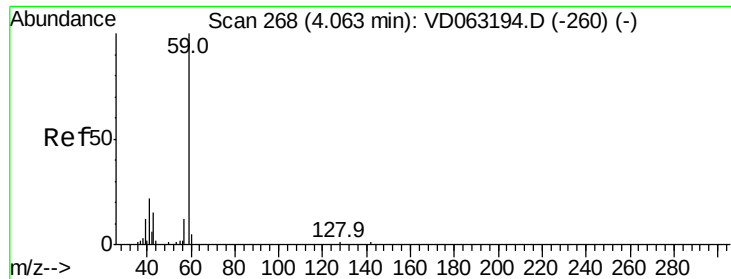


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



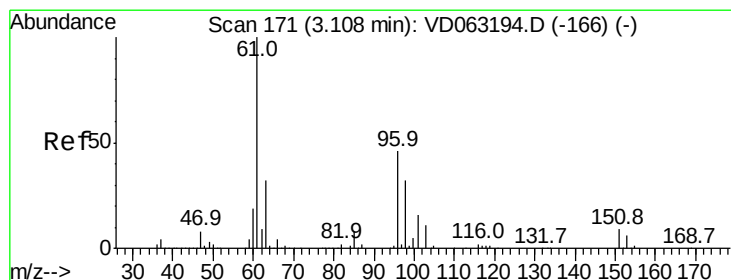
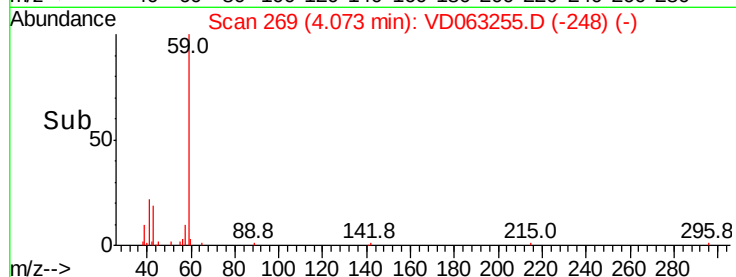
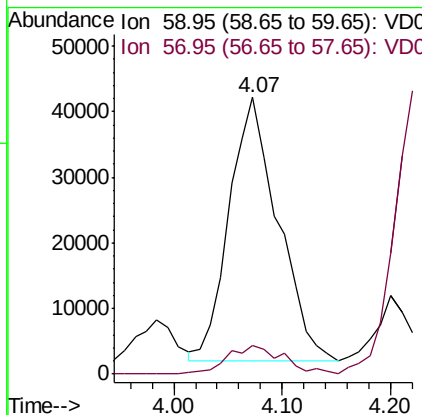
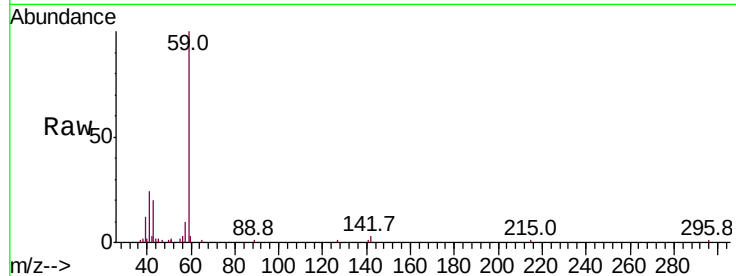


#11

Tert butyl alcohol
 Concen: 255.218 ug/l
 RT: 4.07 min Scan# 269
 Delta R.T. 0.01 min
 Lab File: VD063255.D
 Acq: 30 Jul 2019 22:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

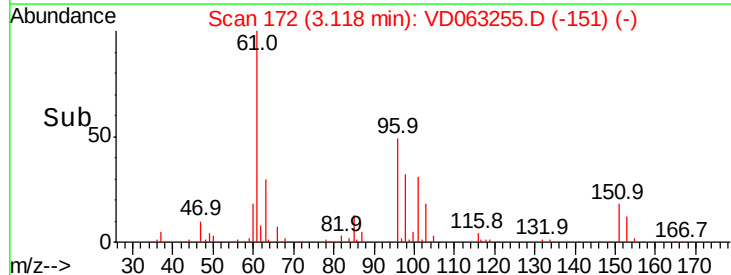
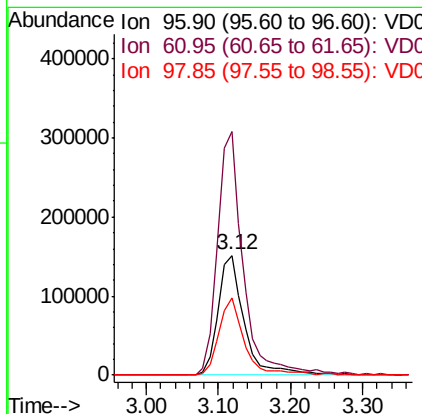
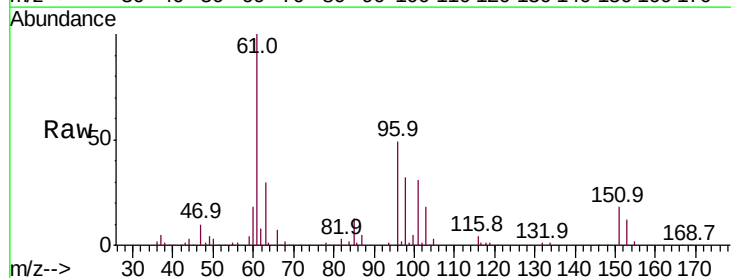
Tot Ion: 59 Resp: 125344
 Ion Ratio Lower Upper
 59 100
 57 10.5 9.6 14.4

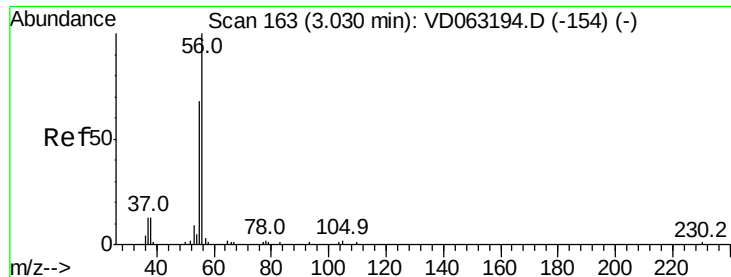


#12

1,1-Dichloroethene
 Concen: 48.230 ug/l
 RT: 3.12 min Scan# 172
 Delta R.T. 0.01 min
 Lab File: VD063255.D
 Acq: 30 Jul 2019 22:47

Tgt Ion: 96 Resp: 377298
 Ion Ratio Lower Upper
 96 100
 61 203.6 173.7 260.5
 98 64.6 55.8 83.8

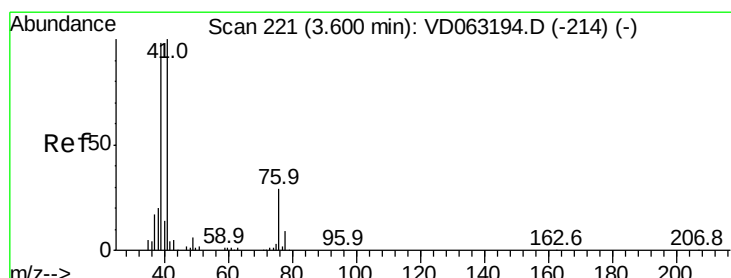
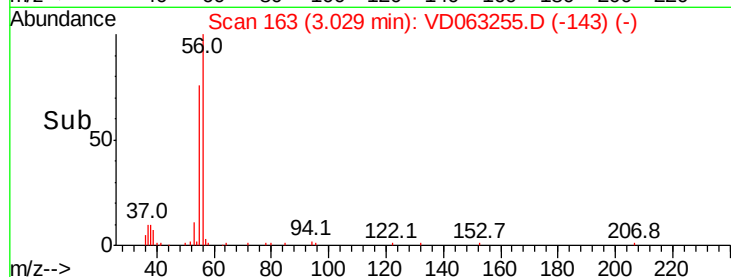
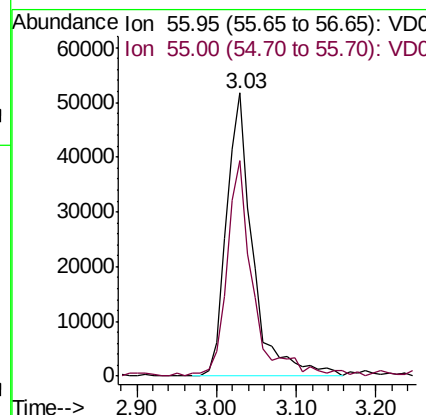
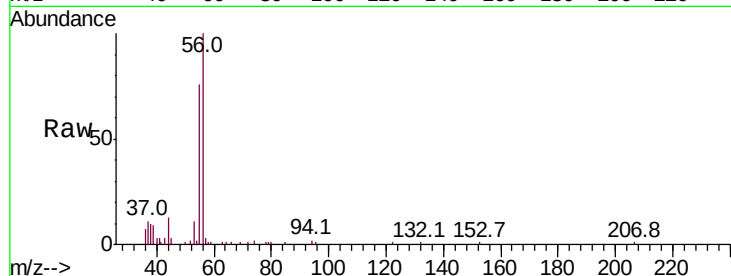




#13
Acrolein
Concen: 255.454 ug/l
RT: 3.03 min Scan# 163
Delta R.T. -0.00 min
Lab File: VD063255.D
Acq: 30 Jul 2019 22:47

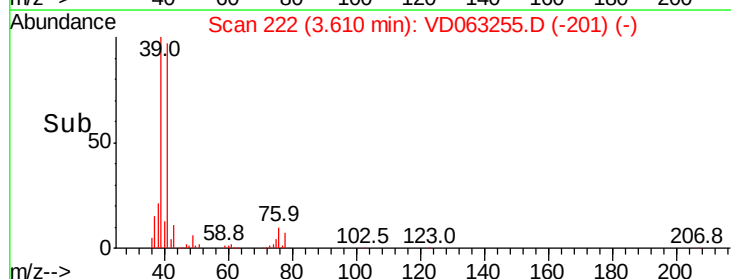
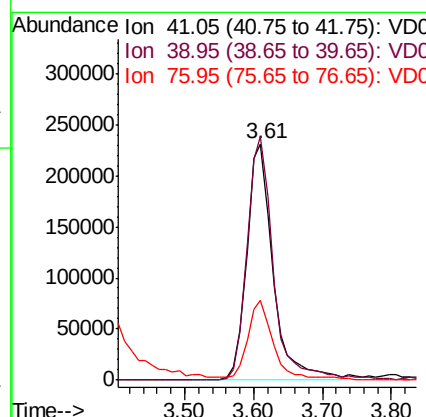
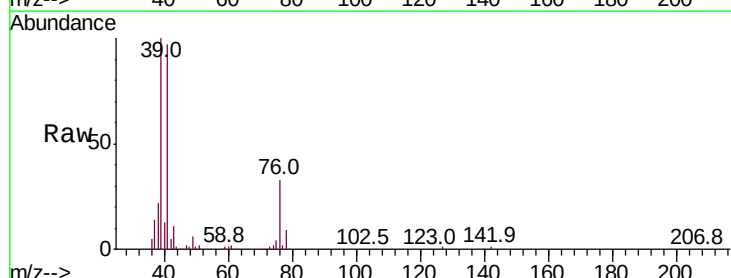
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

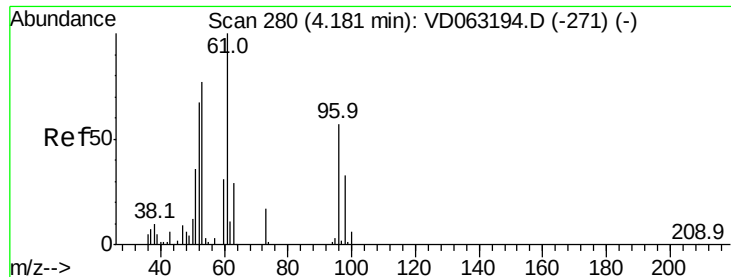
Tot Ion: 56 Resp: 120743
Ion Ratio Lower Upper
56 100
55 76.1 55.3 82.9



#14
Allyl chloride
Concen: 49.082 ug/l
RT: 3.61 min Scan# 222
Delta R.T. 0.01 min
Lab File: VD063255.D
Acq: 30 Jul 2019 22:47

Tgt Ion: 41 Resp: 611672
Ion Ratio Lower Upper
41 100
39 103.1 78.6 117.8
76 33.8 24.5 36.7





#15

Acrylonitrile

Concen: 251.842 ug/l

RT: 4.19 min Scan# 281

Delta R.T. 0.01 min

Lab File: VD063255.D

Acq: 30 Jul 2019 22:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

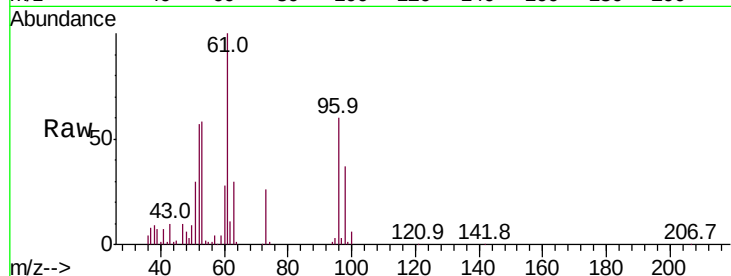
Tot Ion: 53 Resp: 320666

Ion Ratio Lower Upper

53 100

52 98.7 69.7 104.5

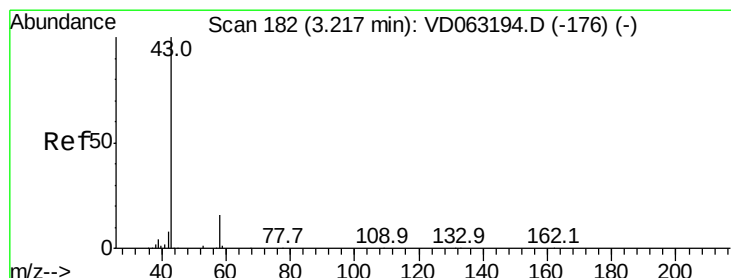
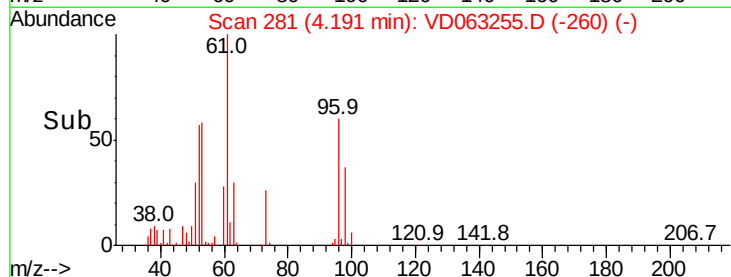
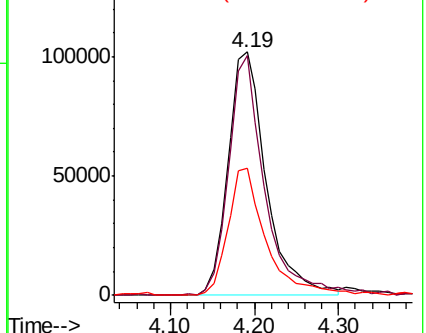
51 52.1 37.4 56.0



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: 244.496 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.00 min

Lab File: VD063255.D

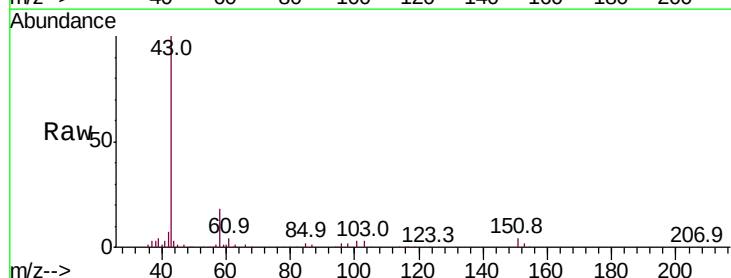
Acq: 30 Jul 2019 22:47

Tgt Ion: 43 Resp: 533121

Ion Ratio Lower Upper

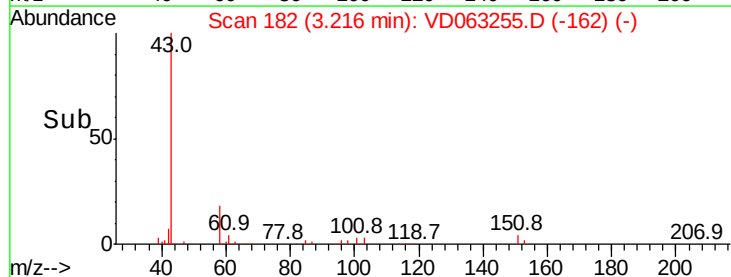
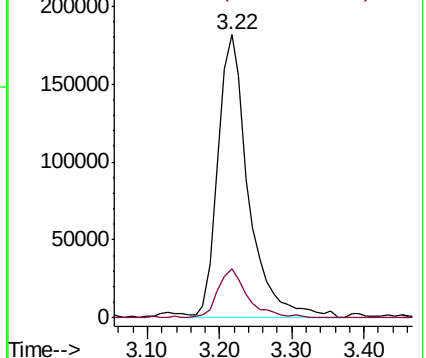
43 100

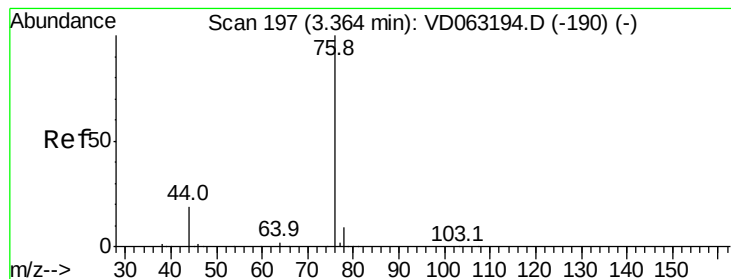
58 17.5 13.0 19.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 48.352 ug/l

RT: 3.36 min Scan# 197

Delta R.T. -0.00 min

Lab File: VD063255.D

Acq: 30 Jul 2019 22:47

Instrument :

MSVOA_D

ClientSampleId :

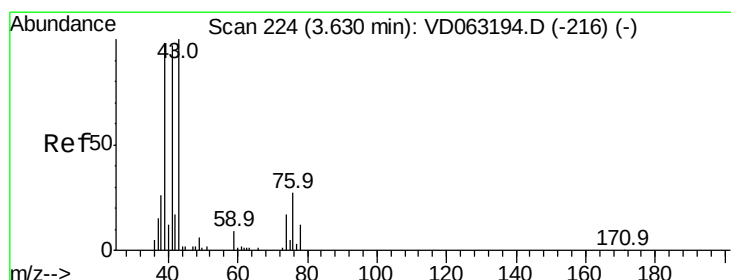
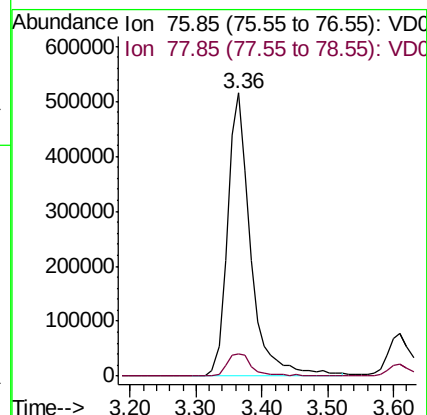
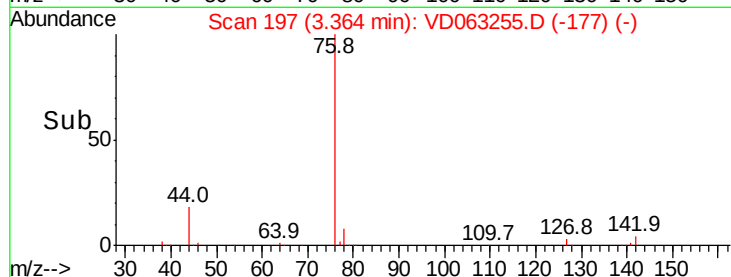
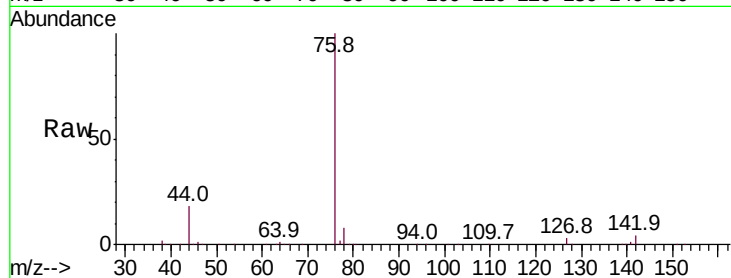
VSTDCCC050

Tot Ion: 76 Resp: 1266054

Ion Ratio Lower Upper

76 100

78 7.9 7.4 11.2



#18

Methyl Acetate

Concen: 53.914 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.01 min

Lab File: VD063255.D

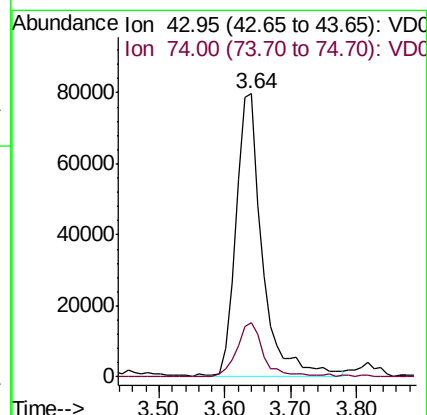
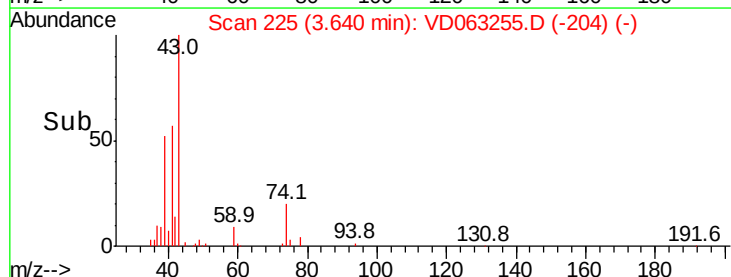
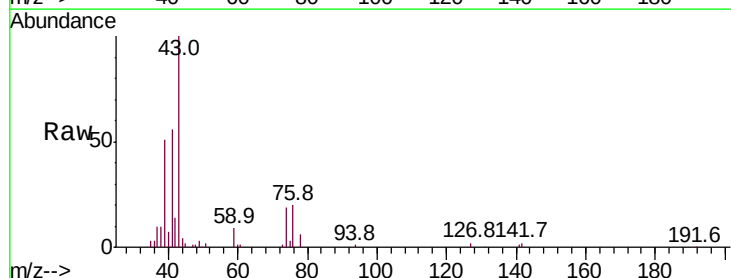
Acq: 30 Jul 2019 22:47

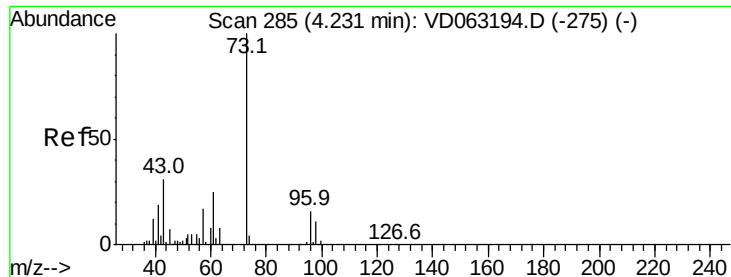
Tgt Ion: 43 Resp: 225811

Ion Ratio Lower Upper

43 100

74 19.4 13.8 20.8

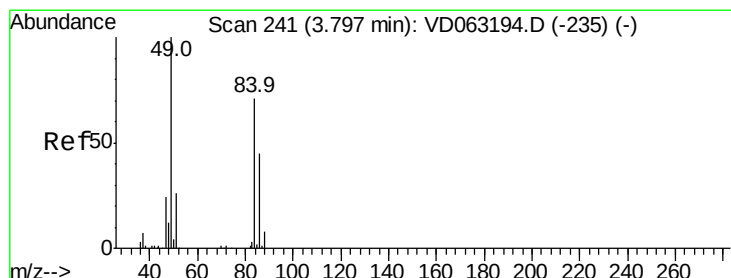
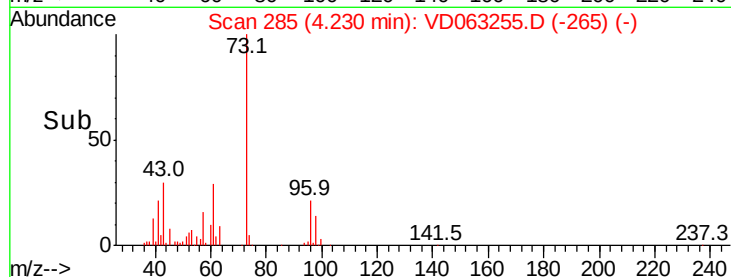
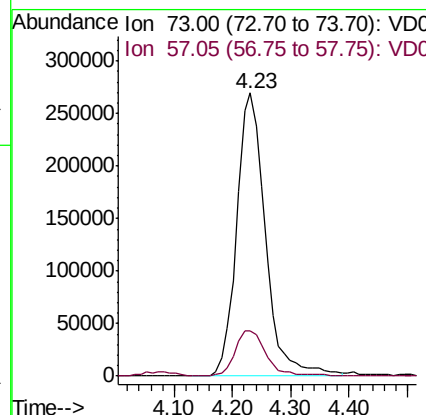
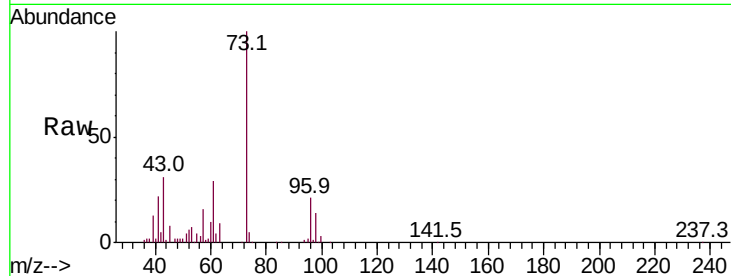




#19
Methyl tert-butyl Ether
Concen: 52.364 ug/l
RT: 4.23 min Scan# 285
Delta R.T. -0.00 min
Lab File: VD063255.D
Acq: 30 Jul 2019 22:47

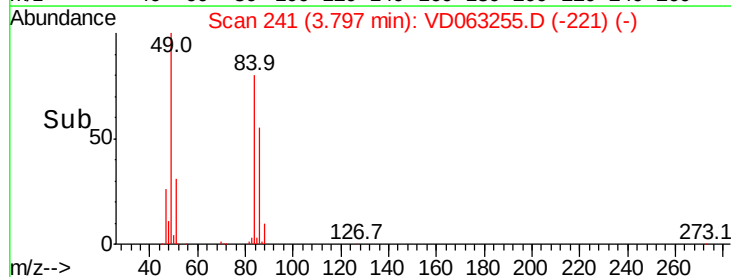
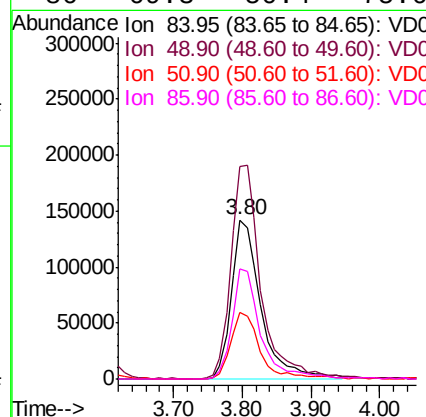
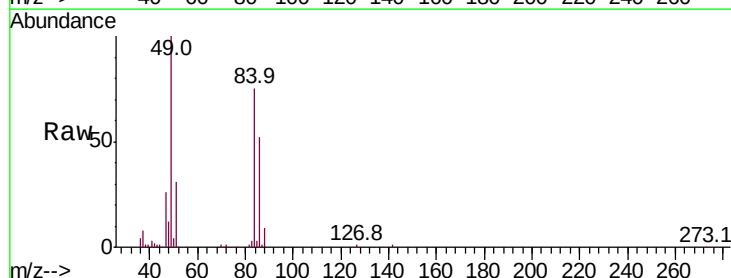
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

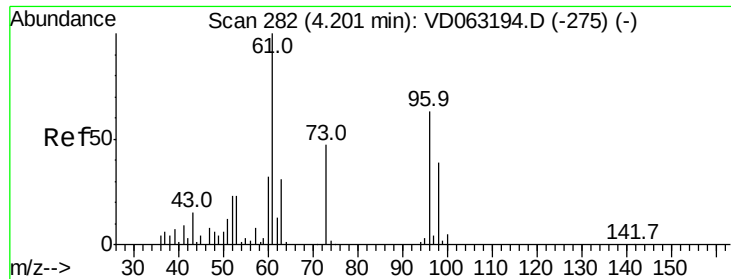
Tot Ion: 73 Resp: 925324
Ion Ratio Lower Upper
73 100
57 16.2 13.8 20.6



#20
Methylene Chloride
Concen: 48.005 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.00 min
Lab File: VD063255.D
Acq: 30 Jul 2019 22:47

Tgt Ion: 84 Resp: 423104
Ion Ratio Lower Upper
84 100
49 133.9 112.5 168.7
51 41.7 29.6 44.4
86 69.3 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 49.451 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.00 min

Lab File: VD063255.D

Acq: 30 Jul 2019 22:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

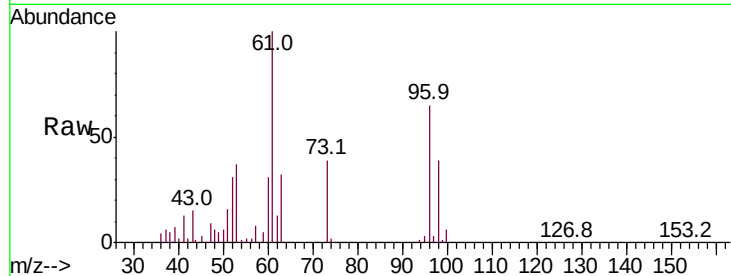
Tot Ion: 96 Resp: 434066

Ion Ratio Lower Upper

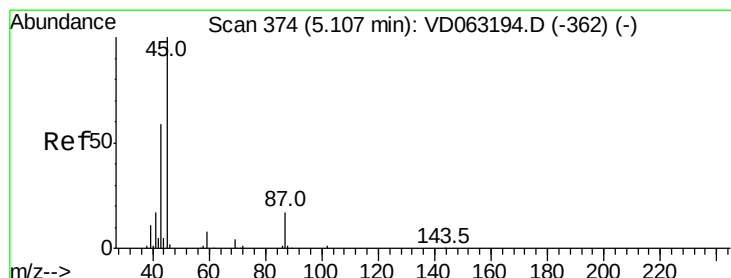
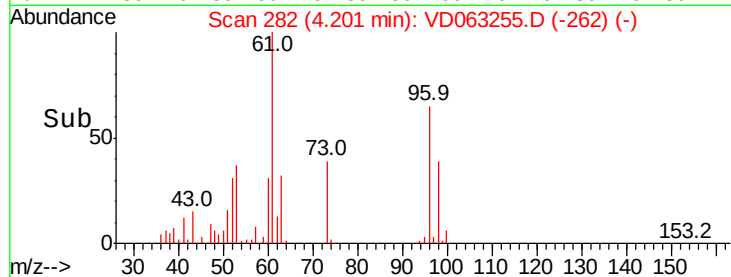
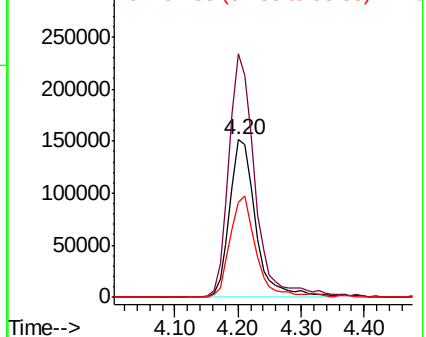
96 100

61 154.5 127.4 191.2

98 60.0 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: 52.622 ug/l

RT: 5.12 min Scan# 375

Delta R.T. 0.01 min

Lab File: VD063255.D

Acq: 30 Jul 2019 22:47

Tgt Ion: 45 Resp: 1310199

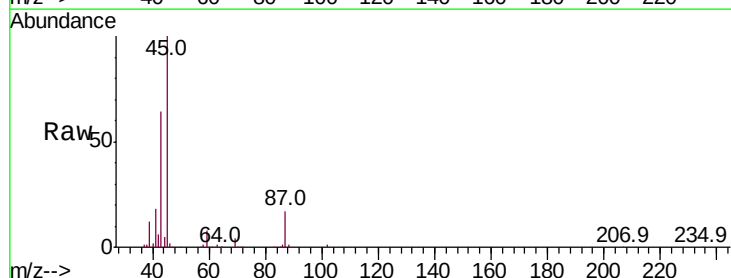
Ion Ratio Lower Upper

45 100

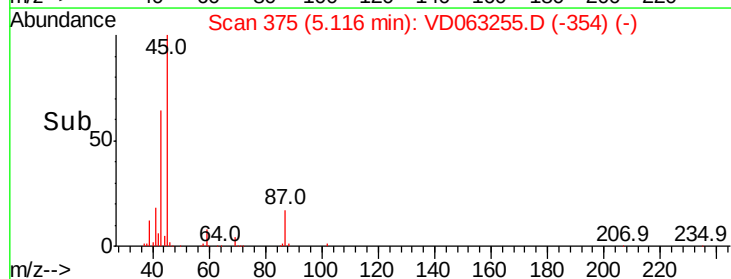
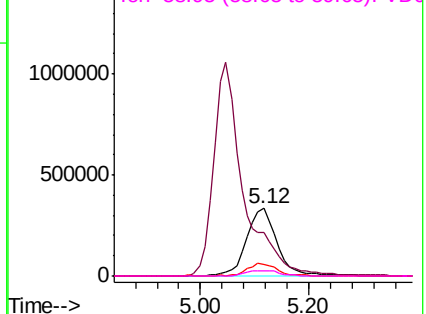
43 63.6 51.7 77.5

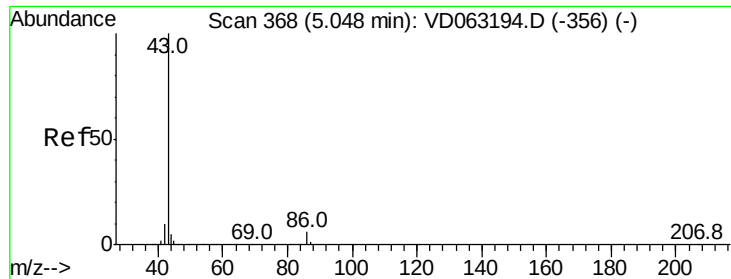
87 17.3 14.6 21.8

59 8.2 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: 260.820 ug/l

RT: 5.05 min Scan# 368

Delta R.T. -0.00 min

Lab File: VD063255.D

Acq: 30 Jul 2019 22:47

Instrument :

MSVOA_D

ClientSampleId :

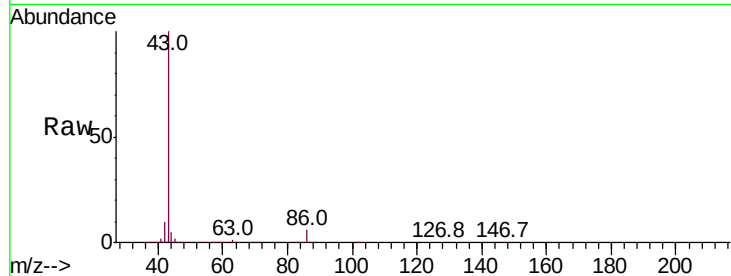
VSTDCCC050

Tot Ion: 43 Resp: 3991855

Ion Ratio Lower Upper

43 100

86 6.3 4.9 7.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

1200000

1000000

800000

600000

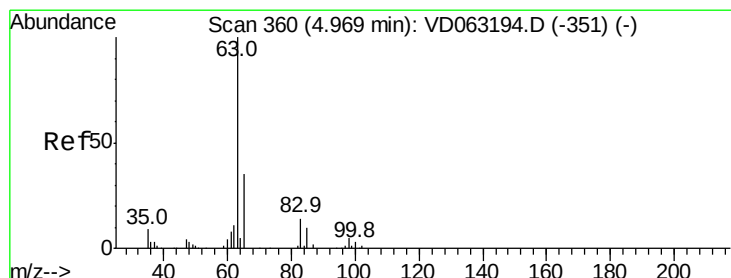
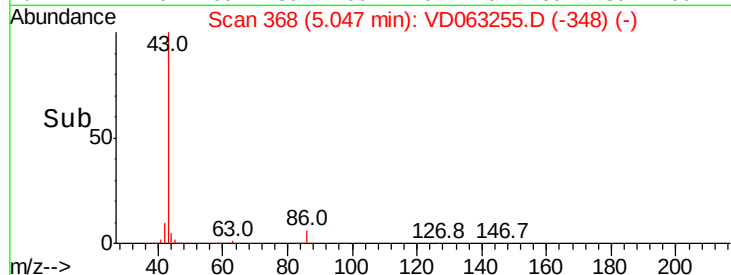
400000

200000

0

5.05

Time-->



#24

1,1-Dichloroethane

Concen: 51.618 ug/l

RT: 4.97 min Scan# 360

Delta R.T. -0.00 min

Lab File: VD063255.D

Acq: 30 Jul 2019 22:47

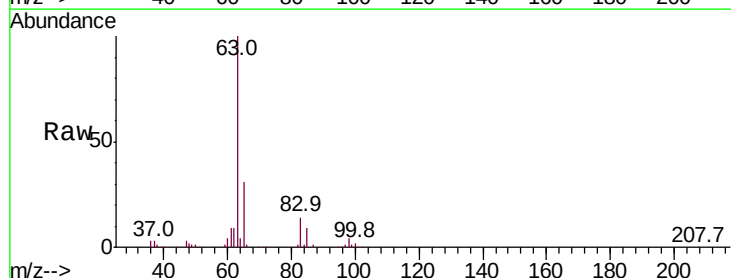
Tgt Ion: 63 Resp: 820919

Ion Ratio Lower Upper

63 100

98 3.7 2.8 8.4

100 1.8 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

300000

250000

200000

150000

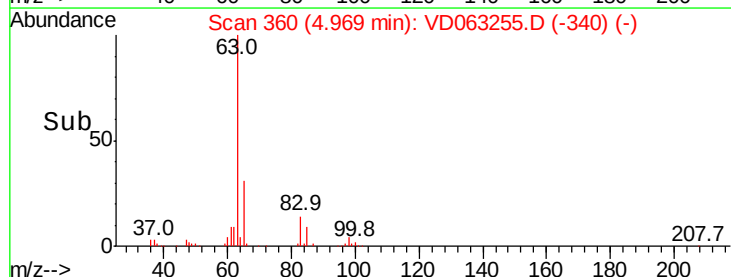
100000

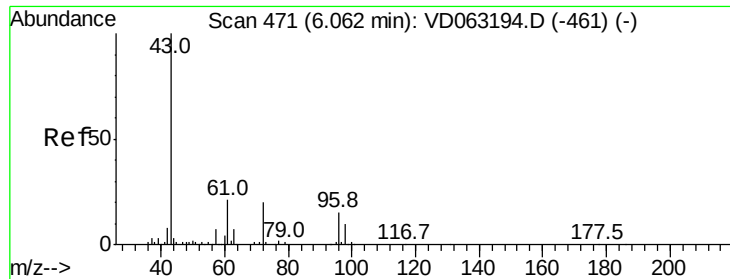
50000

0

4.97

Time-->





#25

2-Butanone

Concen: 262.483 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.00 min

Lab File: VD063255.D

Acq: 30 Jul 2019 22:47

Instrument :

MSVOA_D

ClientSampleId :

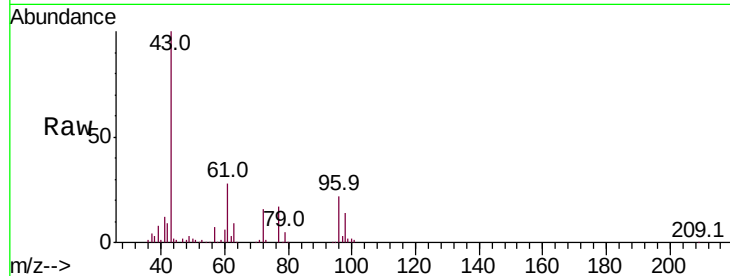
VSTDCCC050

Tot Ion: 43 Resp: 574392

Ion Ratio Lower Upper

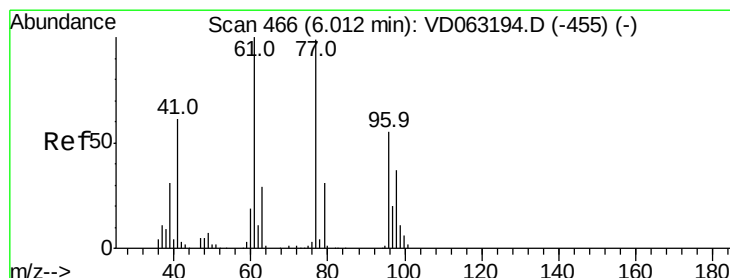
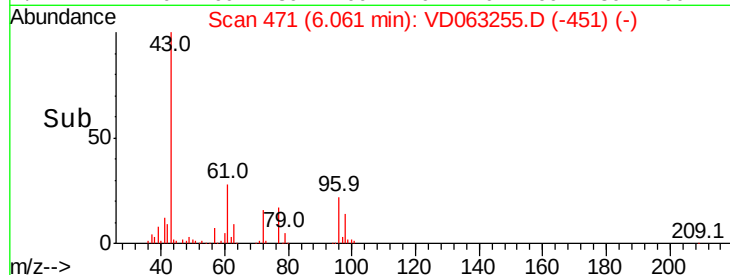
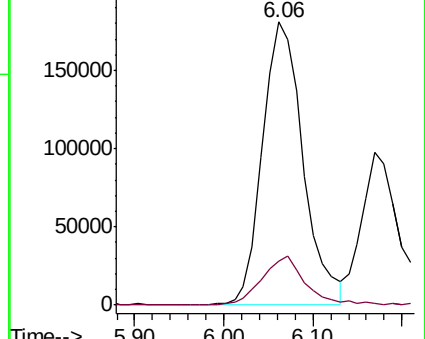
43 100

72 15.8 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: 47.502 ug/l

RT: 6.01 min Scan# 466

Delta R.T. -0.00 min

Lab File: VD063255.D

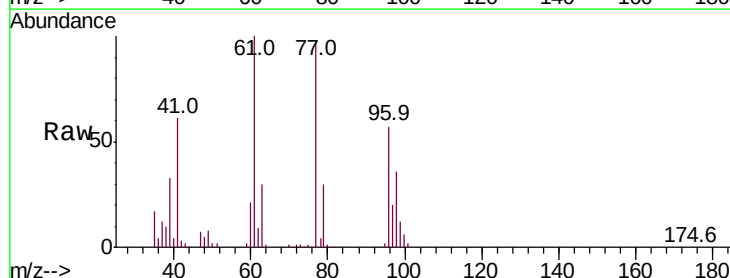
Acq: 30 Jul 2019 22:47

Tgt Ion: 77 Resp: 778529

Ion Ratio Lower Upper

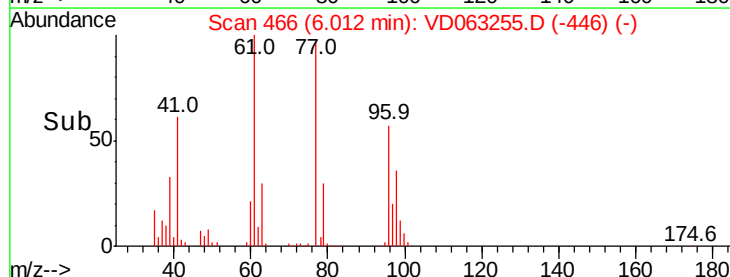
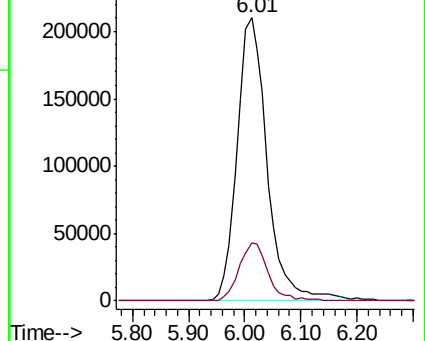
77 100

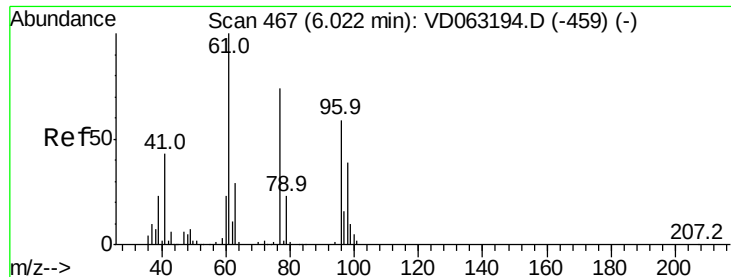
97 20.4 10.2 30.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



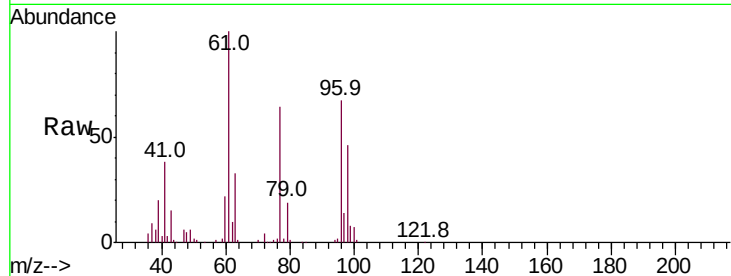


#27

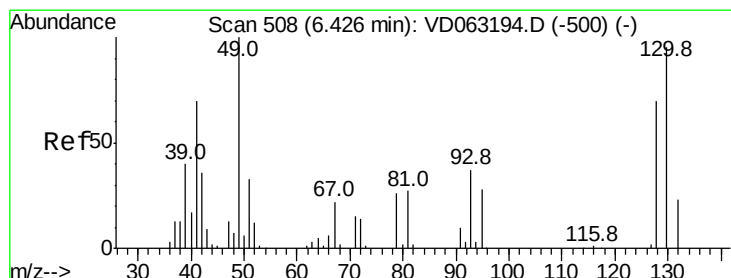
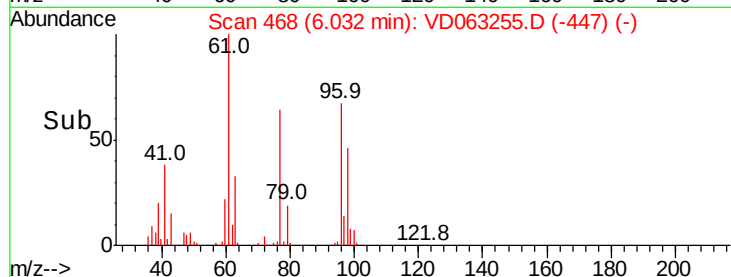
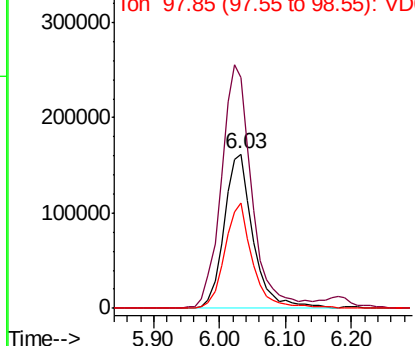
cis-1,2-Dichloroethene
 Concen: 52.921 ug/l
 RT: 6.03 min Scan# 468
 Delta R.T. 0.01 min
 Lab File: VD063255.D
 Acq: 30 Jul 2019 22:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.4	0.0	337.2
98	68.7	0.0	130.6



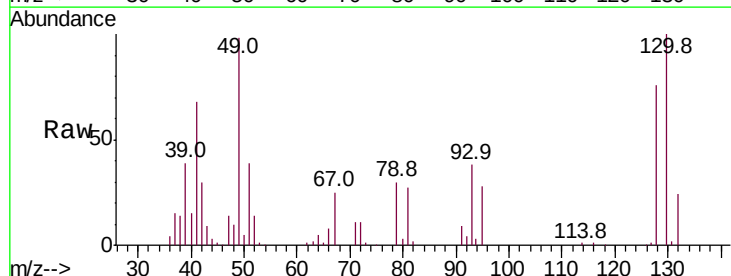
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



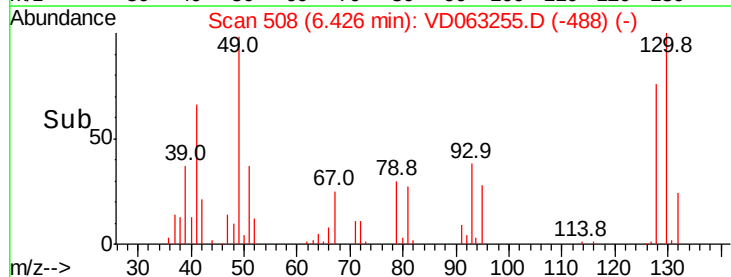
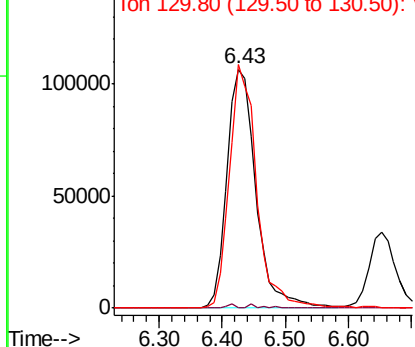
#28

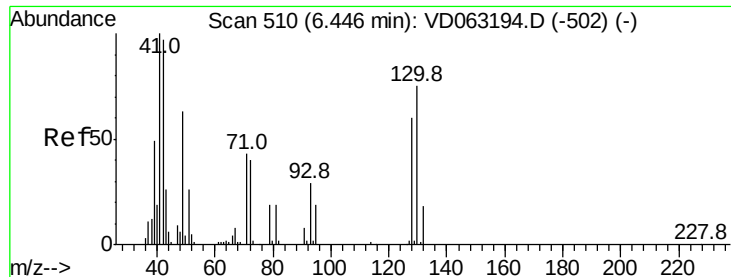
Bromochloromethane
 Concen: 53.440 ug/l
 RT: 6.43 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VD063255.D
 Acq: 30 Jul 2019 22:47

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	102.0	75.7	113.5



Abundance Ion 48.90 (48.60 to 49.60): VDC
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 273.033 ug/l

RT: 6.45 min Scan# 510

Delta R.T. -0.00 min

Lab File: VD063255.D

Acq: 30 Jul 2019 22:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

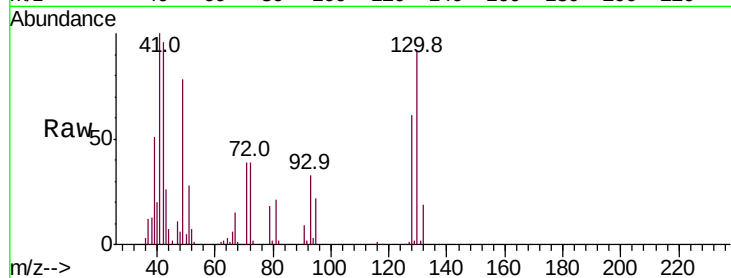
Tot Ion: 42 Resp: 282876

Ion Ratio Lower Upper

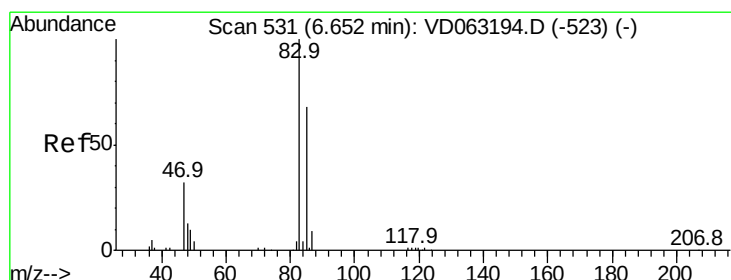
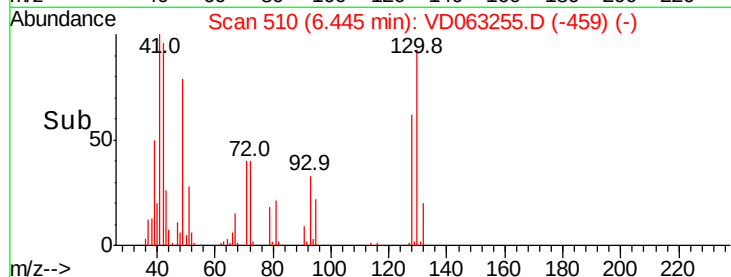
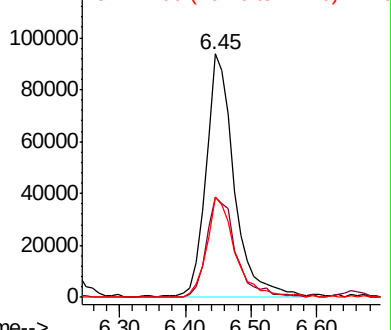
42 100

72 42.9 33.4 50.2

71 40.7 35.7 53.5



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 52.420 ug/l

RT: 6.65 min Scan# 531

Delta R.T. -0.00 min

Lab File: VD063255.D

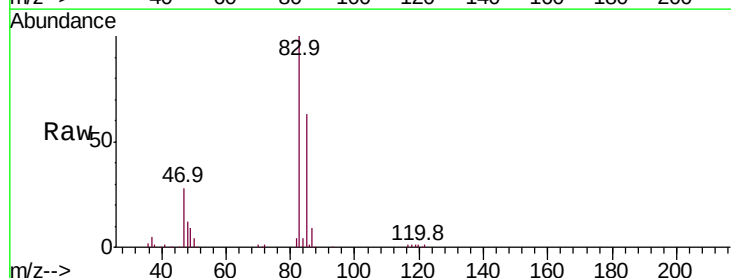
Acq: 30 Jul 2019 22:47

Tgt Ion: 83 Resp: 1034615

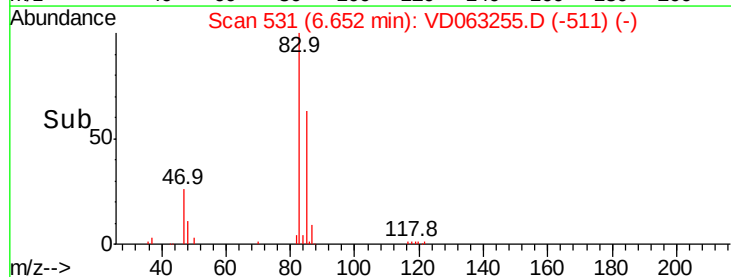
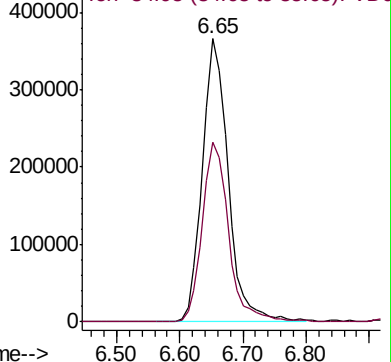
Ion Ratio Lower Upper

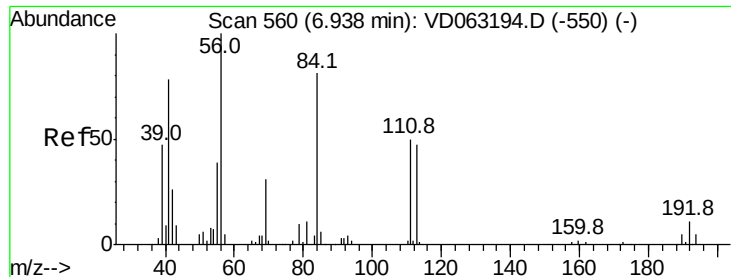
83 100

85 63.3 54.2 81.4



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC

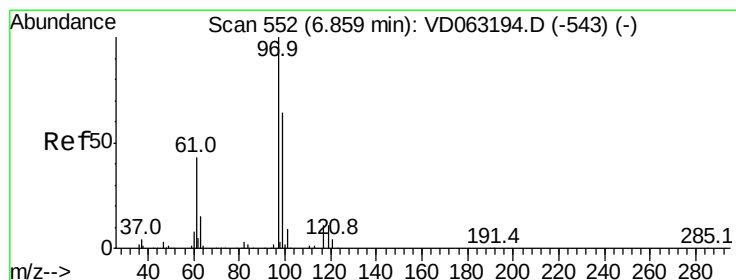
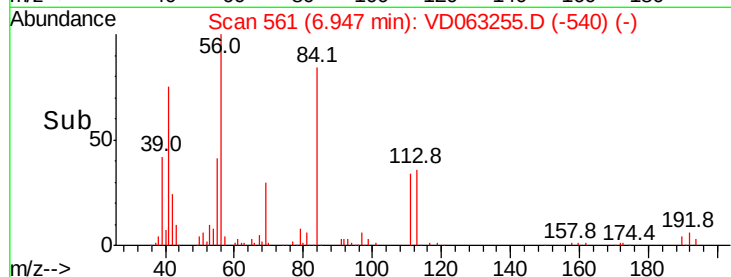
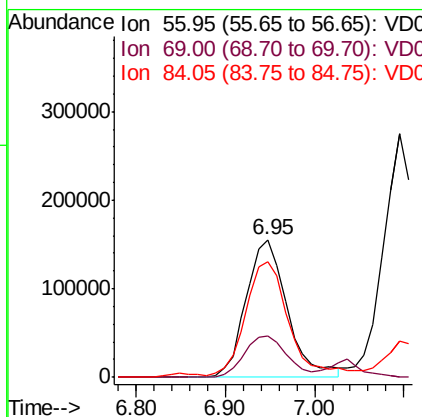
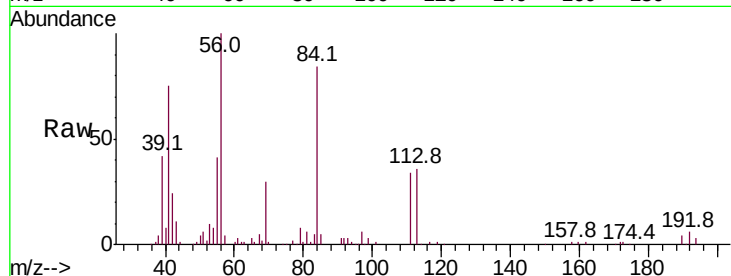




#31
Cyclohexane
Concen: 49.841 ug/l
RT: 6.95 min Scan# 561
Delta R.T. 0.01 min
Lab File: VD063255.D
Acq: 30 Jul 2019 22:47

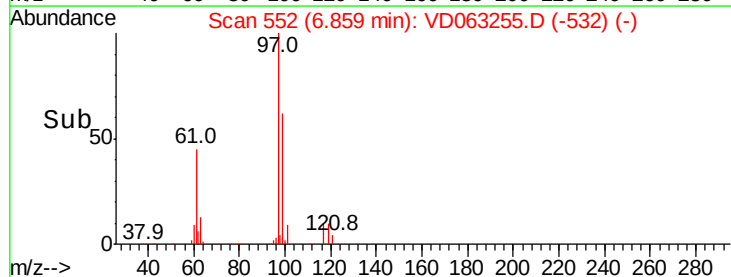
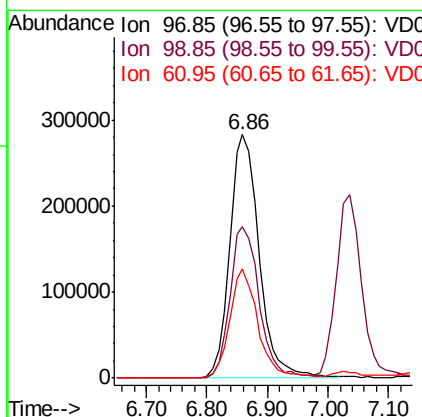
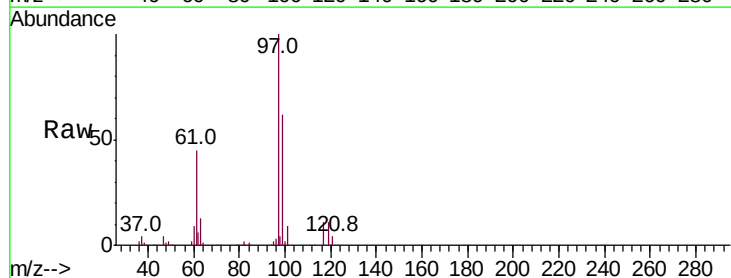
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

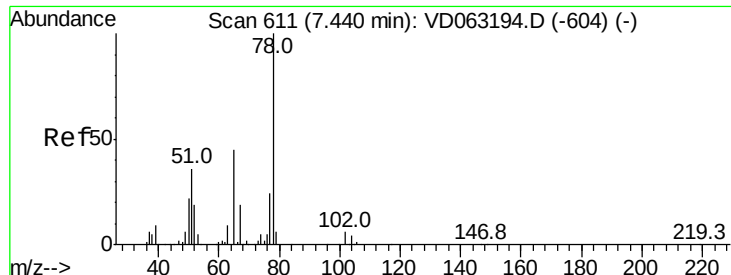
Tot Ion: 56 Resp: 496849
Ion Ratio Lower Upper
56 100
69 30.2 24.5 36.7
84 84.2 64.9 97.3



#32
1,1,1-Trichloroethane
Concen: 49.862 ug/l
RT: 6.86 min Scan# 552
Delta R.T. -0.00 min
Lab File: VD063255.D
Acq: 30 Jul 2019 22:47

Tgt Ion: 97 Resp: 951901
Ion Ratio Lower Upper
97 100
99 62.0 51.2 76.8
61 44.9 34.2 51.2

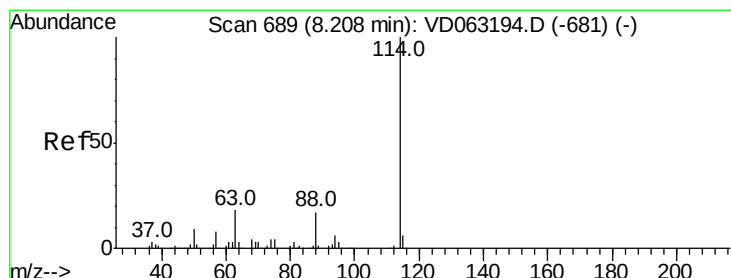
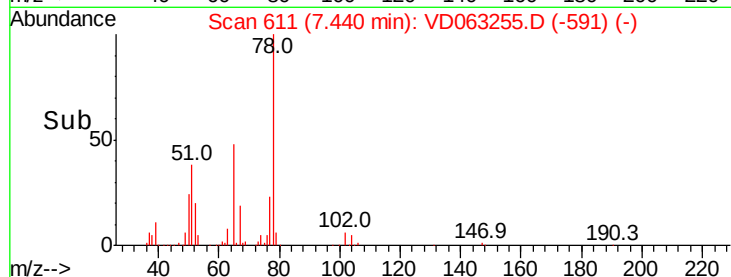
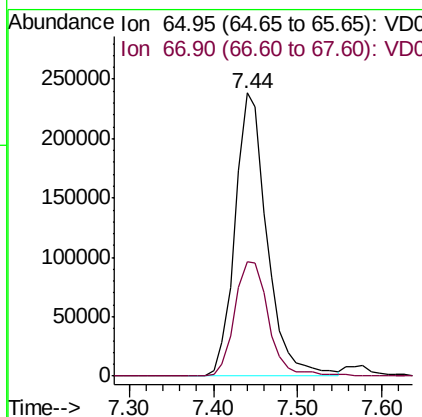
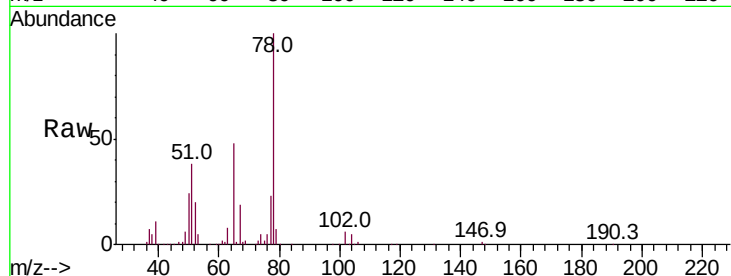




#33
 1,2-Dichloroethane-d4
 Concen: 56.257 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: VD063255.D
 Acq: 30 Jul 2019 22:47

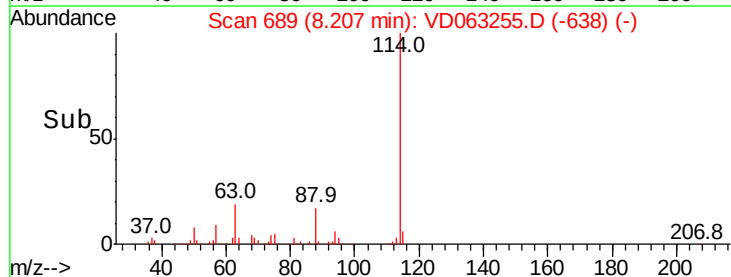
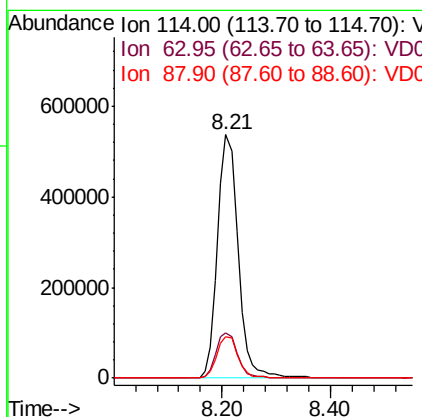
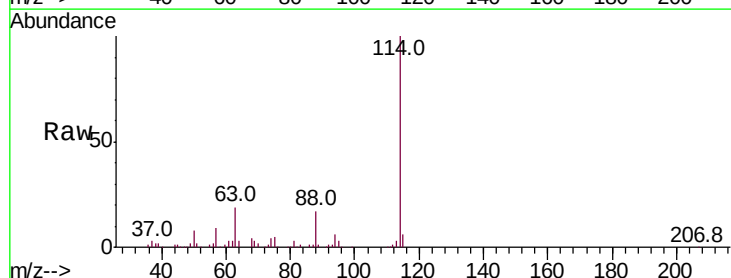
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

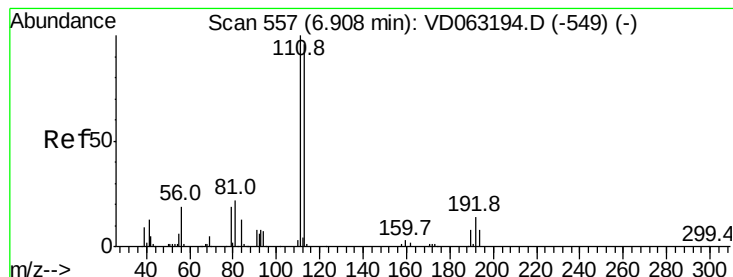
Tot Ion: 65 Resp: 629579
 Ion Ratio Lower Upper
 65 100
 67 40.3 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.00 min
 Lab File: VD063255.D
 Acq: 30 Jul 2019 22:47

Tgt Ion: 114 Resp: 1423445
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 35.2
 88 17.2 0.0 34.6





#35

Dibromofluoromethane

Concen: 57.230 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.01 min

Lab File: VD063255.D

Acq: 30 Jul 2019 22:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

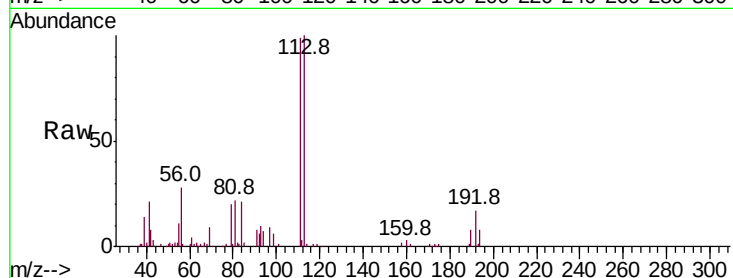
Tot Ion:113 Resp: 695530

Ion Ratio Lower Upper

113 100

111 98.9 83.2 124.8

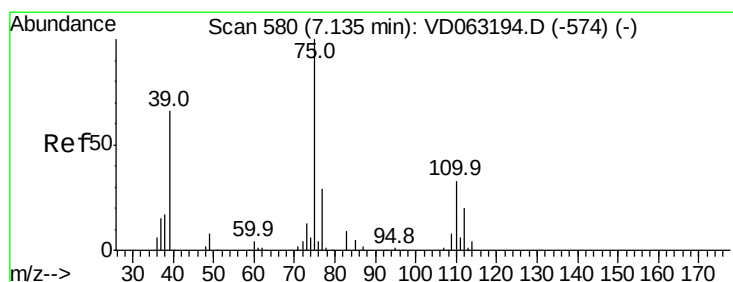
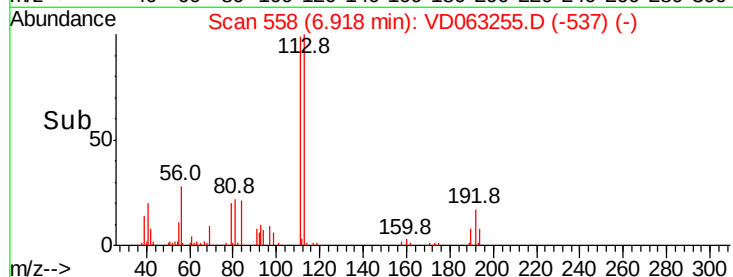
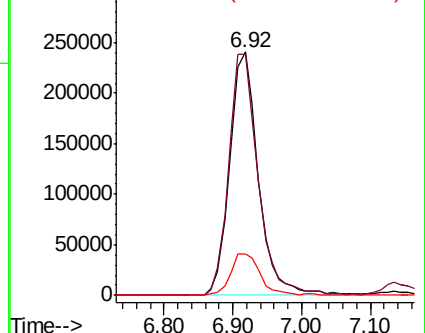
192 16.8 11.8 17.8



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 47.766 ug/l

RT: 7.13 min Scan# 580

Delta R.T. -0.00 min

Lab File: VD063255.D

Acq: 30 Jul 2019 22:47

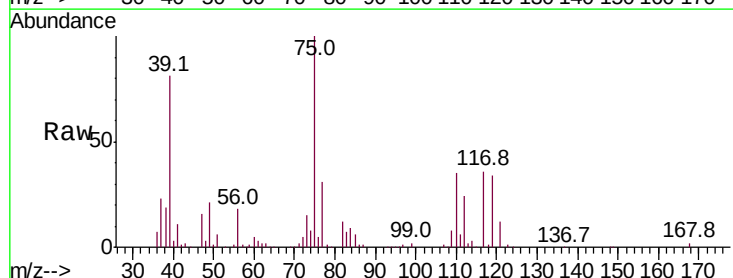
Tgt Ion: 75 Resp: 620515

Ion Ratio Lower Upper

75 100

110 34.6 16.1 48.2

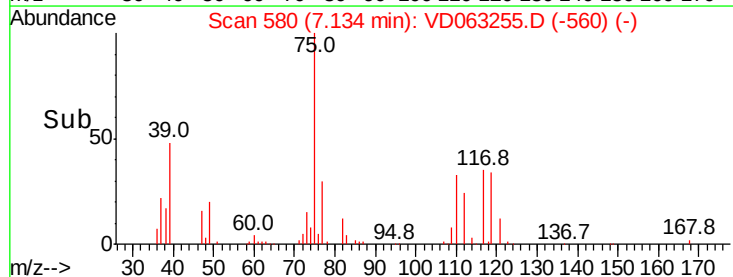
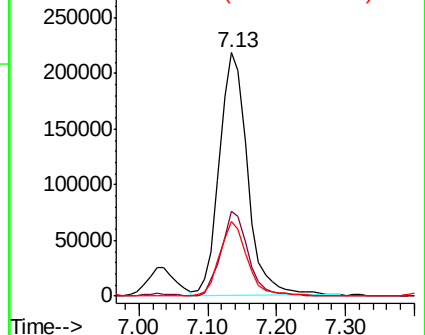
77 30.7 22.7 34.1

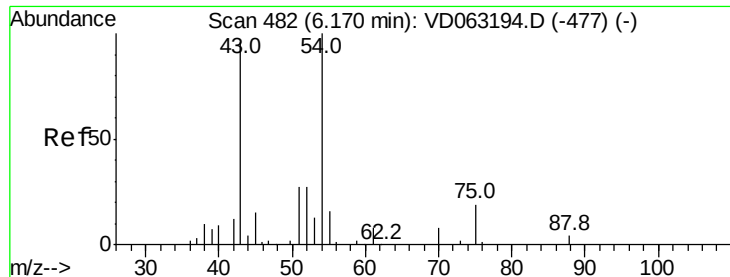


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

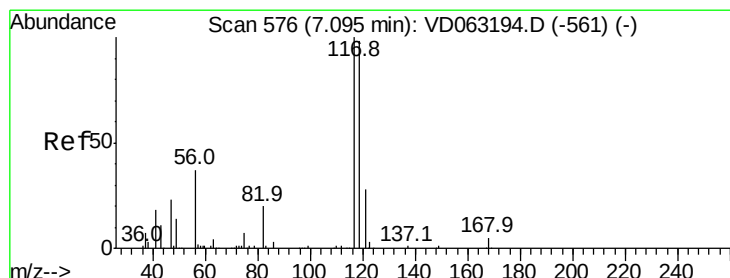
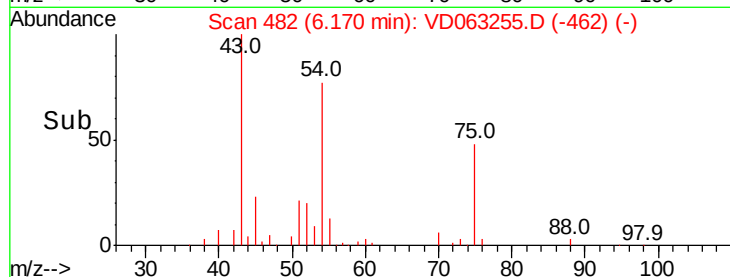
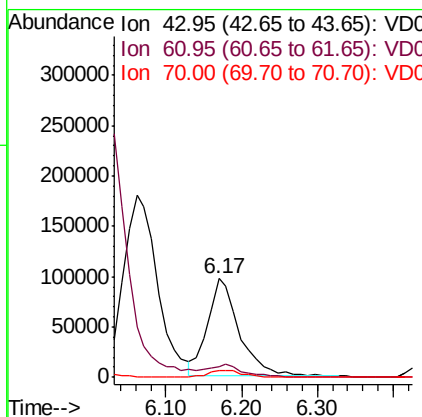
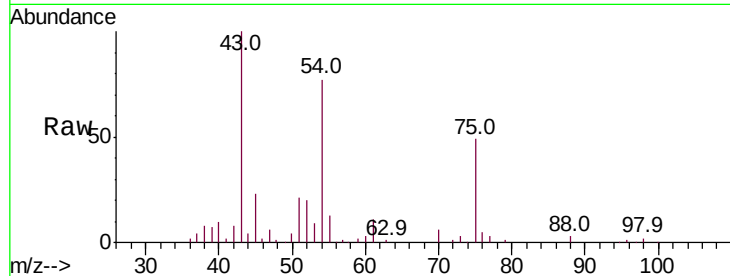




#37
Ethyl Acetate
Concen: 48.436 ug/l
RT: 6.17 min Scan# 482
Delta R.T. -0.00 min
Lab File: VD063255.D
Acq: 30 Jul 2019 22:47

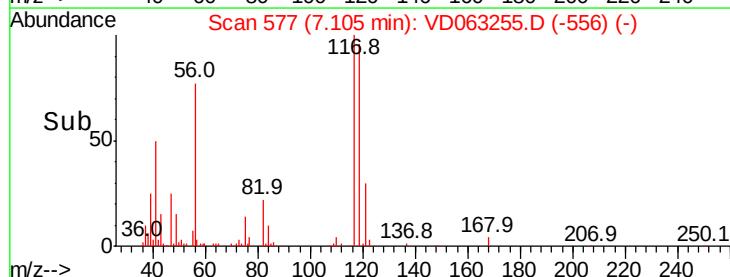
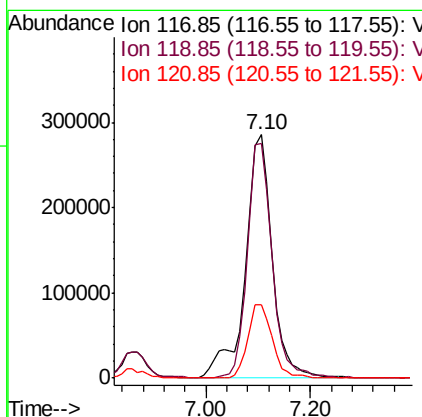
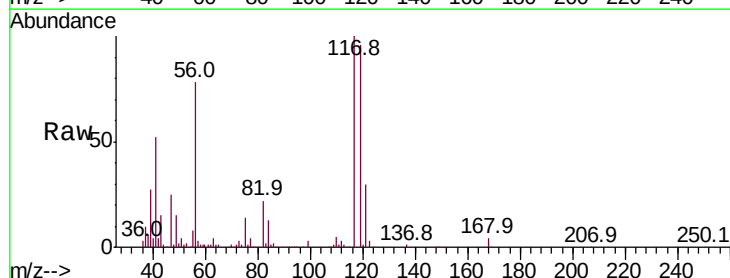
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

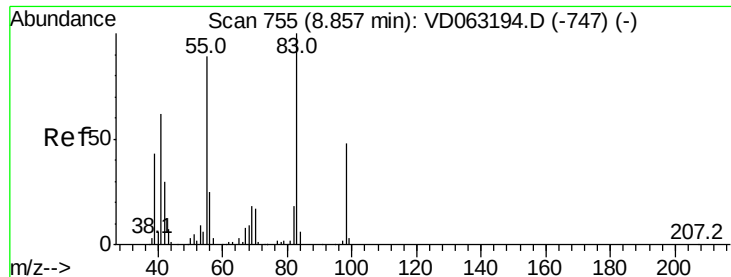
Tot Ion: 43 Resp: 282682
Ion Ratio Lower Upper
43 100
61 11.1 11.3 16.9#
70 6.4 5.1 7.7



#38
Carbon Tetrachloride
Concen: 50.265 ug/l
RT: 7.10 min Scan# 577
Delta R.T. 0.01 min
Lab File: VD063255.D
Acq: 30 Jul 2019 22:47

Tgt Ion: 117 Resp: 983047
Ion Ratio Lower Upper
117 100
119 96.4 78.2 117.2
121 30.3 22.1 33.1

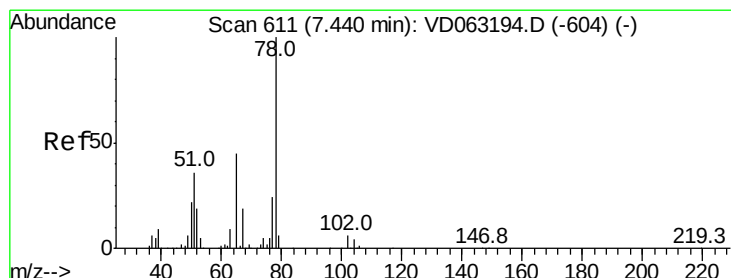
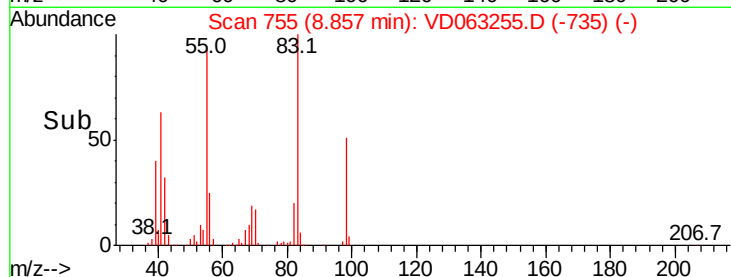
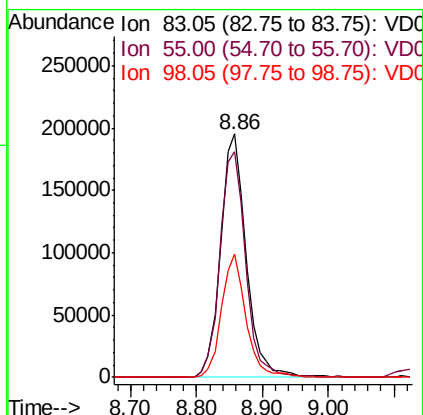
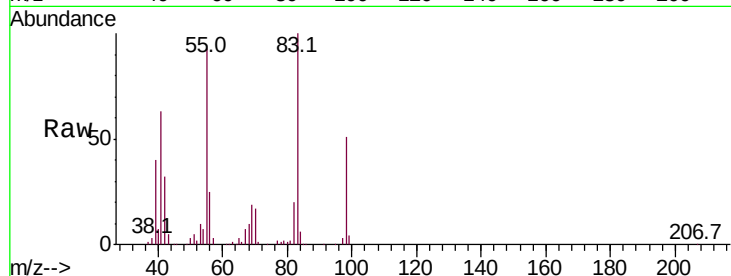




#39
Methylvlcyclohexane
Concen: 48.984 ug/l
RT: 8.86 min Scan# 755
Delta R.T. -0.00 min
Lab File: VD063255.D
Acq: 30 Jul 2019 22:47

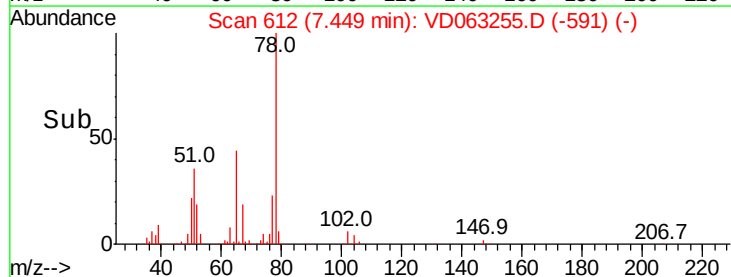
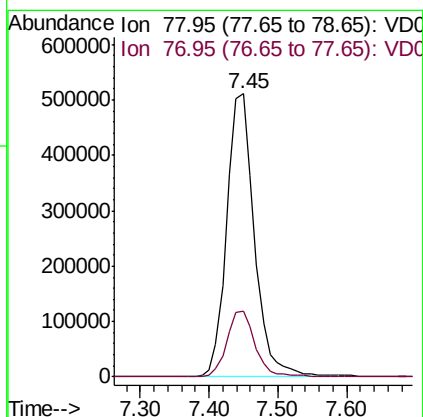
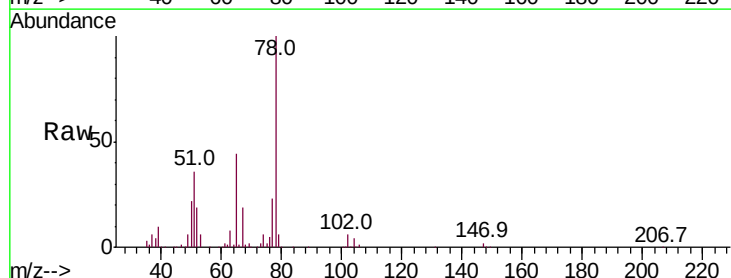
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

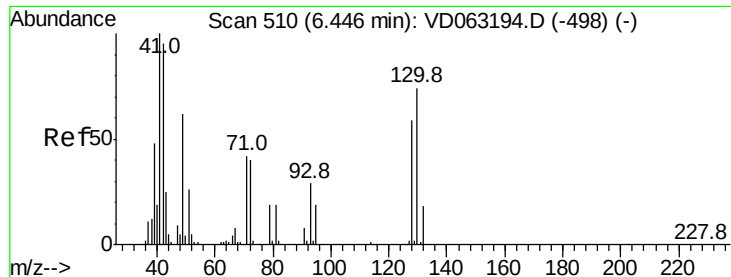
Tot Ion: 83 Resp: 530176
Ion Ratio Lower Upper
83 100
55 92.8 71.1 106.7
98 50.7 38.5 57.7



#40
Benzene
Concen: 52.246 ug/l
RT: 7.45 min Scan# 612
Delta R.T. 0.01 min
Lab File: VD063255.D
Acq: 30 Jul 2019 22:47

Tgt Ion: 78 Resp: 1422460
Ion Ratio Lower Upper
78 100
77 23.4 19.4 29.2

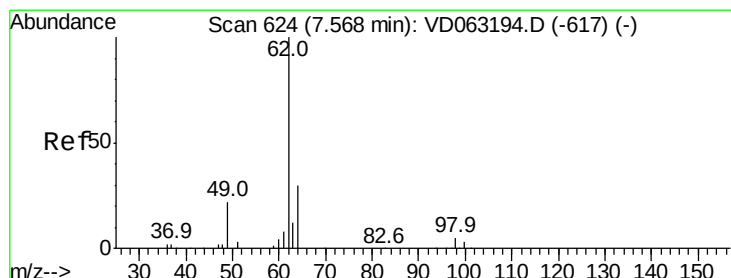
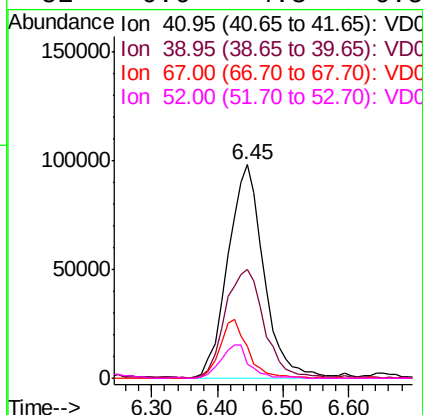
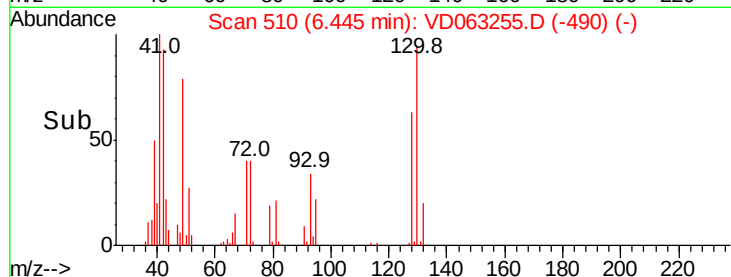
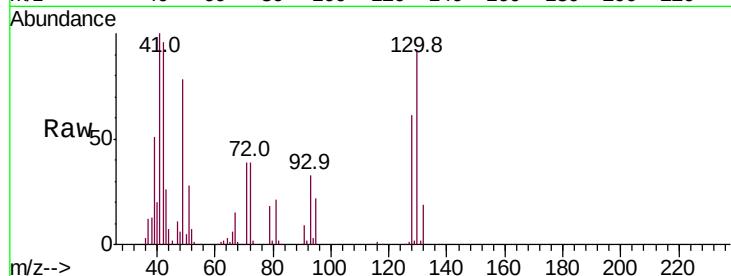




#41
Methacrylonitrile
Concen: 53.591 ug/l
RT: 6.45 min Scan# 510
Delta R.T. -0.00 min
Lab File: VD063255.D
Acq: 30 Jul 2019 22:47

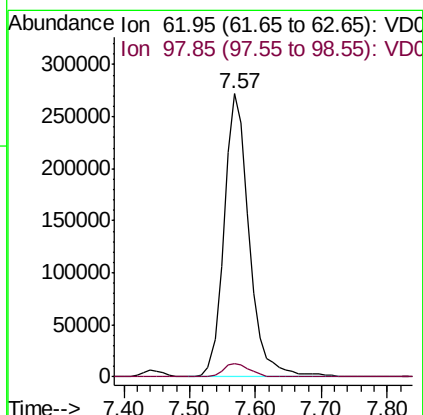
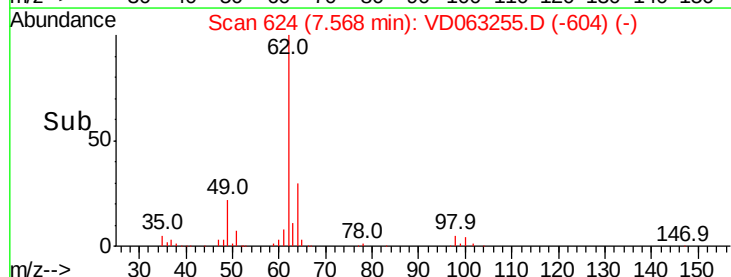
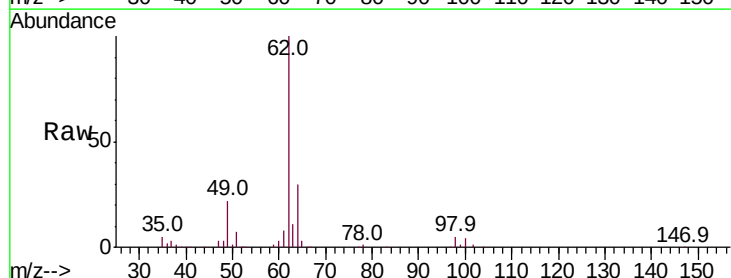
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

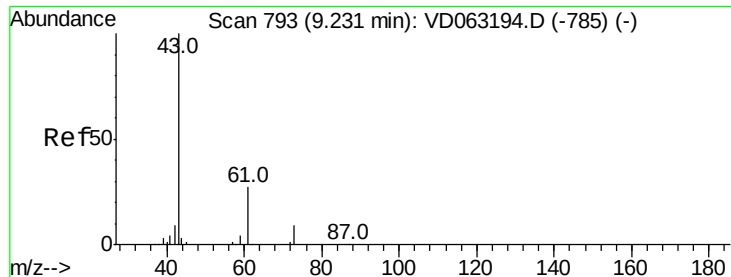
Tot Ion: 41 Resp: 374134
Ion Ratio Lower Upper
41 100
39 51.0 38.4 57.6
67 15.0 6.7 10.1#
52 6.6 4.3 6.5#



#42
1,2-Dichloroethane
Concen: 49.902 ug/l
RT: 7.57 min Scan# 624
Delta R.T. -0.00 min
Lab File: VD063255.D
Acq: 30 Jul 2019 22:47

Tgt Ion: 62 Resp: 720047
Ion Ratio Lower Upper
62 100
98 4.6 0.0 9.8





#43

Isopropyl Acetate

Concen: 53.916 ug/l

RT: 9.23 min Scan# 793

Delta R.T. -0.00 min

Lab File: VD063255.D

Acq: 30 Jul 2019 22:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

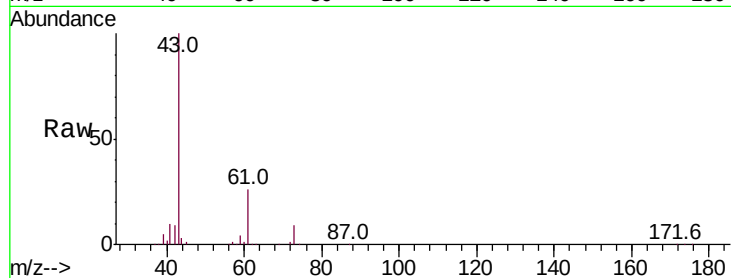
Tot Ion: 43 Resp: 401949

Ion Ratio Lower Upper

43 100

61 26.1 21.4 32.0

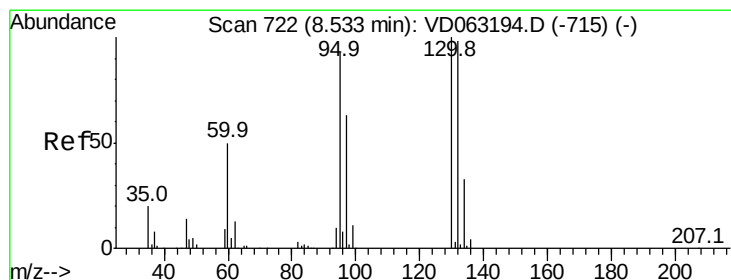
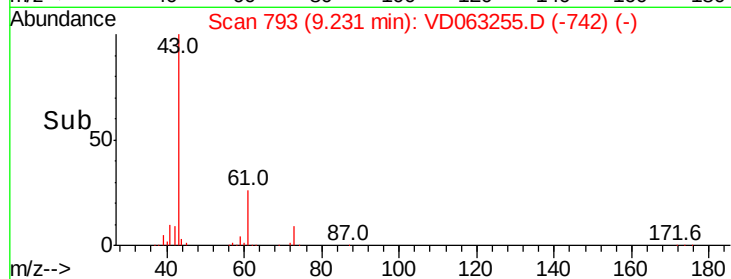
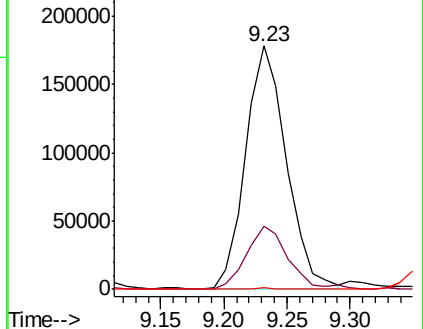
87 0.5 0.2 0.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 47.872 ug/l

RT: 8.53 min Scan# 722

Delta R.T. -0.00 min

Lab File: VD063255.D

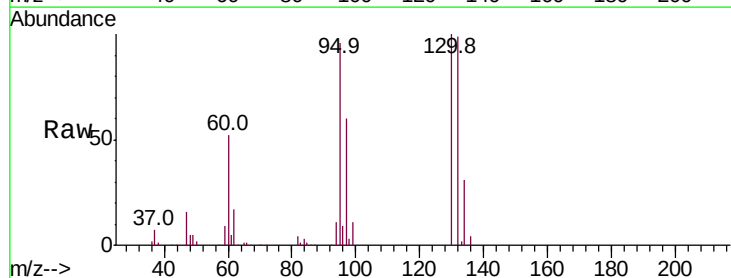
Acq: 30 Jul 2019 22:47

Tgt Ion:130 Resp: 528136

Ion Ratio Lower Upper

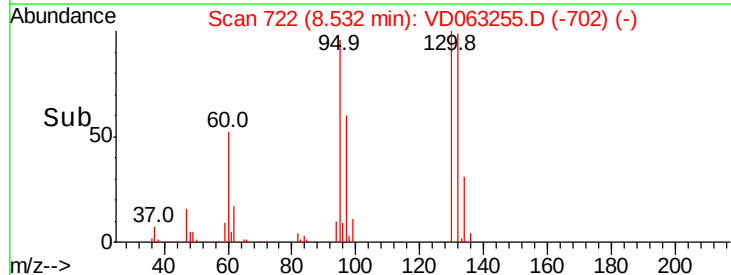
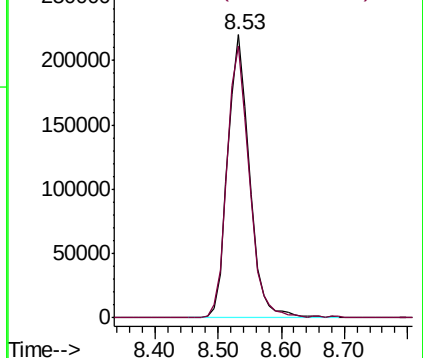
130 100

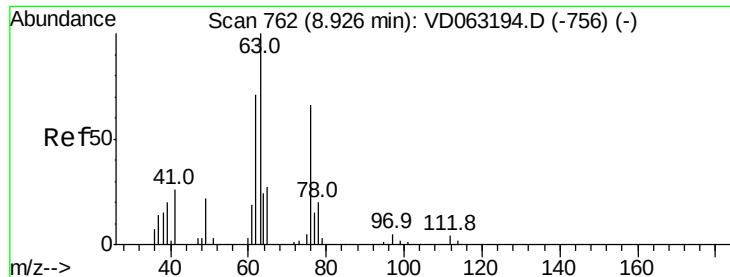
95 95.9 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

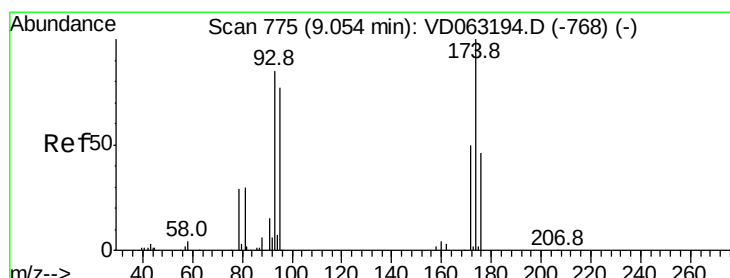
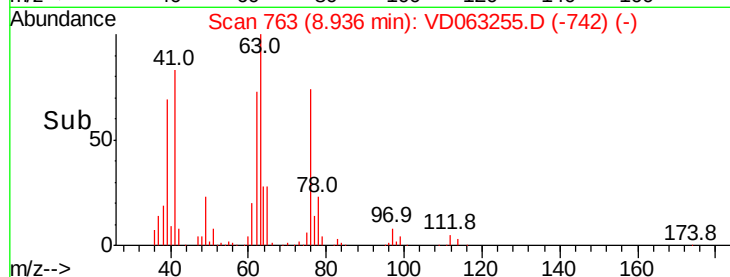
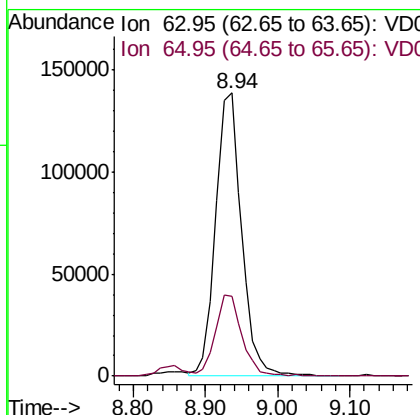
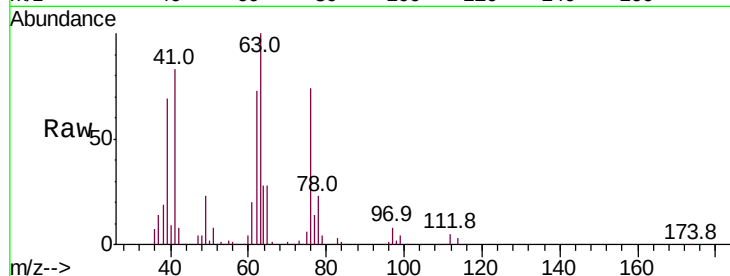




#45
 1,2-Dichloropropane
 Concen: 49.739 ug/l
 RT: 8.94 min Scan# 763
 Delta R.T. 0.01 min
 Lab File: VD063255.D
 Acq: 30 Jul 2019 22:47

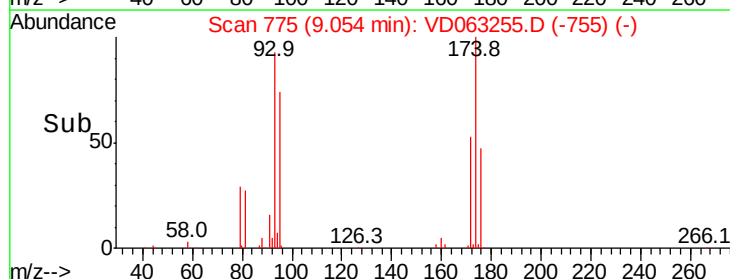
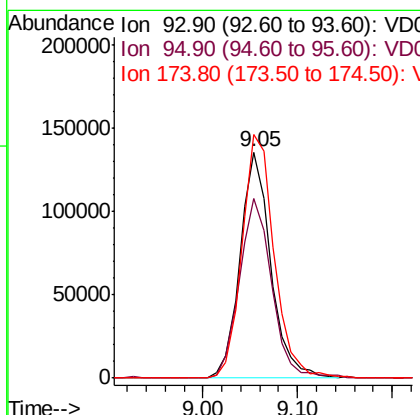
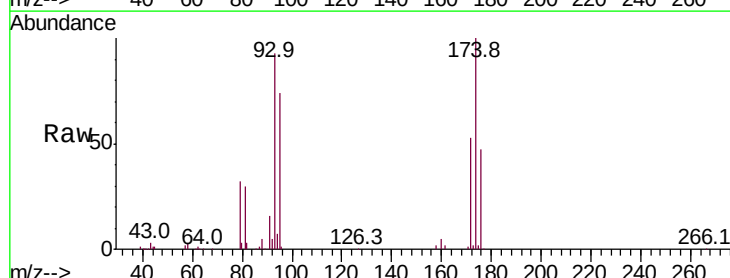
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

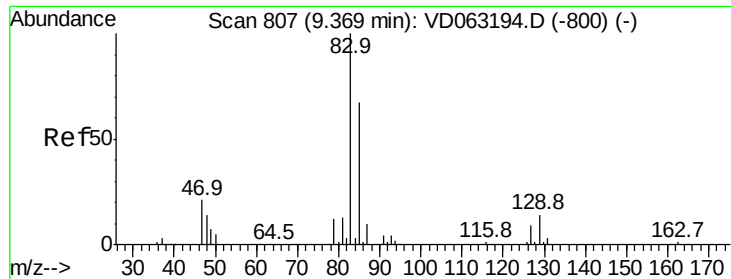
Tot Ion: 63 Resp: 344203
 Ion Ratio Lower Upper
 63 100
 65 28.0 23.6 35.4



#46
 Dibromomethane
 Concen: 52.861 ug/l
 RT: 9.05 min Scan# 775
 Delta R.T. -0.00 min
 Lab File: VD063255.D
 Acq: 30 Jul 2019 22:47

Tgt Ion: 93 Resp: 304166
 Ion Ratio Lower Upper
 93 100
 95 79.5 72.8 109.2
 174 107.7 94.4 141.6





#47

Bromodichloromethane

Concen: 50.949 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.00 min

Lab File: VD063255.D

Acq: 30 Jul 2019 22:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

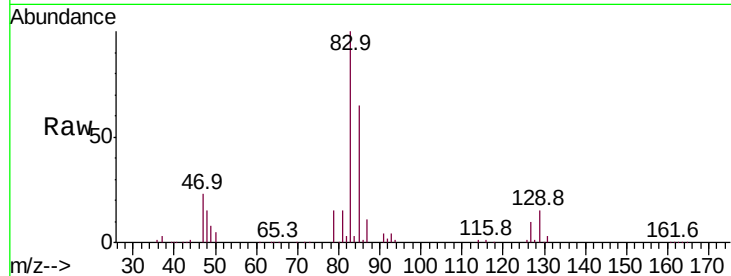
Tot Ion: 83 Resp: 747306

Ion Ratio Lower Upper

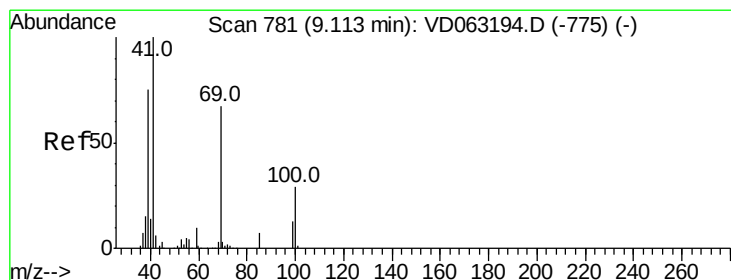
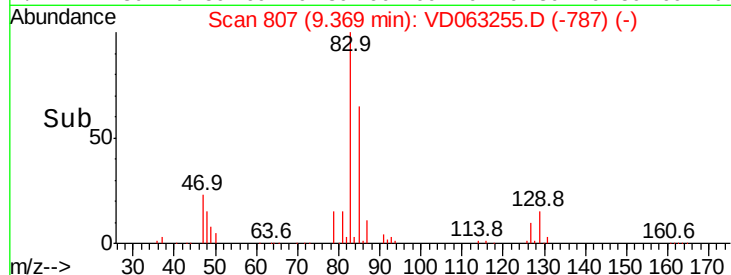
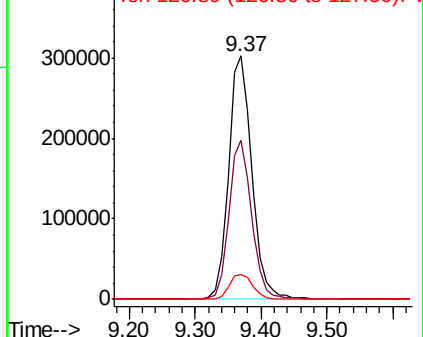
83 100

85 65.3 53.6 80.4

127 10.1 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: 53.648 ug/l

RT: 9.11 min Scan# 781

Delta R.T. -0.00 min

Lab File: VD063255.D

Acq: 30 Jul 2019 22:47

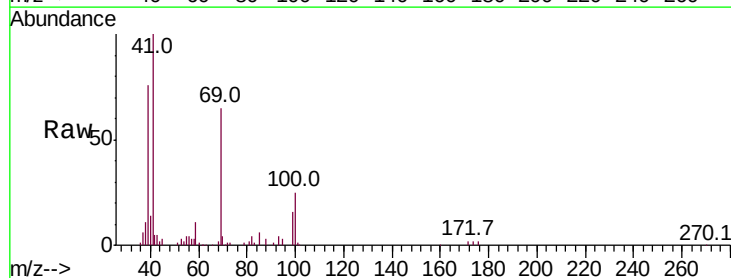
Tgt Ion: 41 Resp: 259395

Ion Ratio Lower Upper

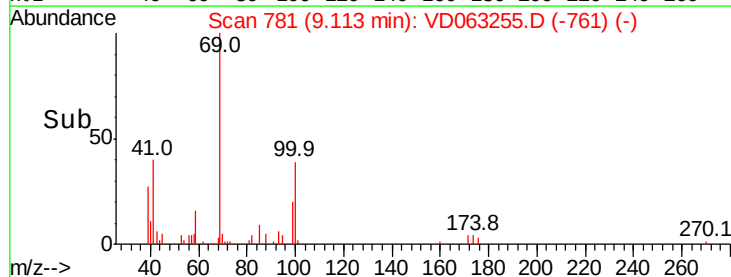
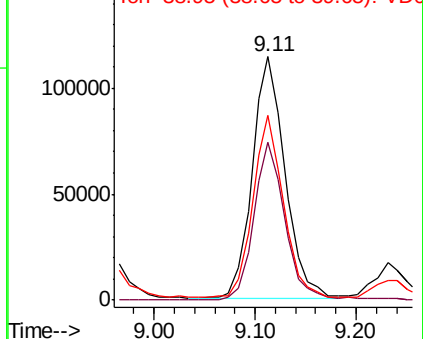
41 100

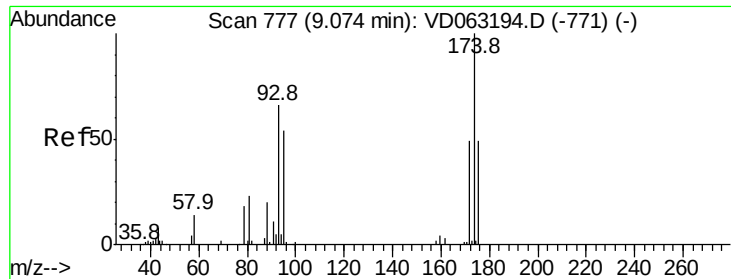
69 65.1 53.4 80.0

39 75.6 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

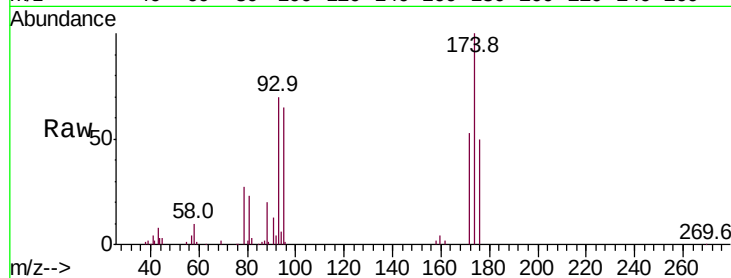




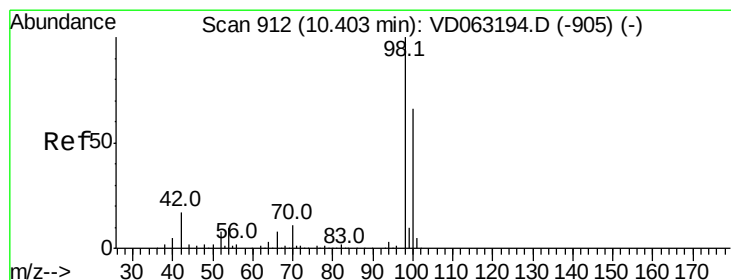
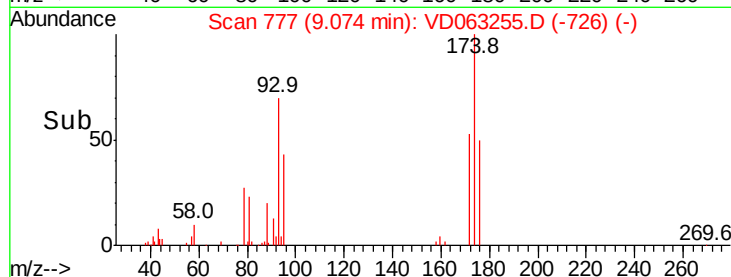
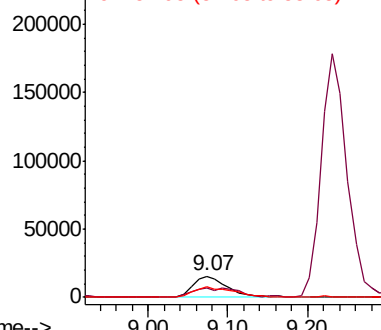
#49
1,4-Dioxane
Concen: 1159.770 ug/l
RT: 9.07 min Scan# 777
Delta R.T. 0.00 min
Lab File: VD063255.D
Acq: 30 Jul 2019 22:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 47476
Ion Ratio Lower Upper
88 100
43 42.1 30.7 46.1
58 51.4 56.5 84.7#

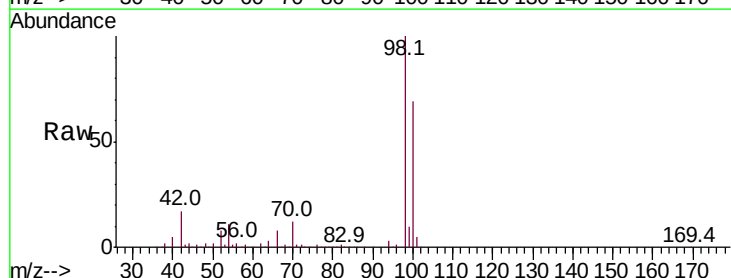


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

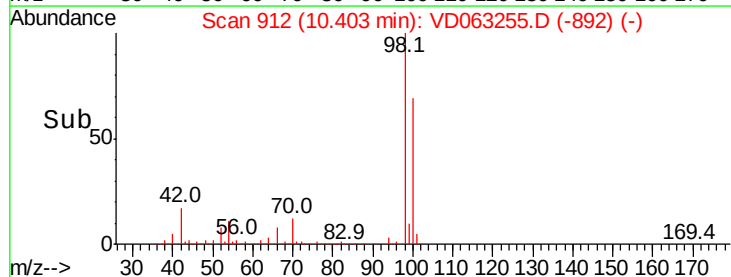
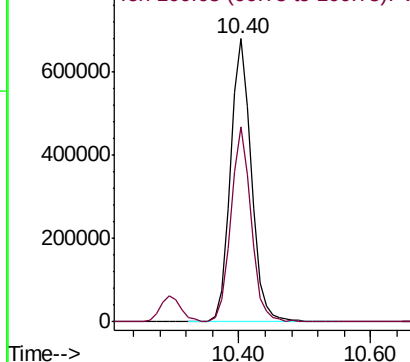


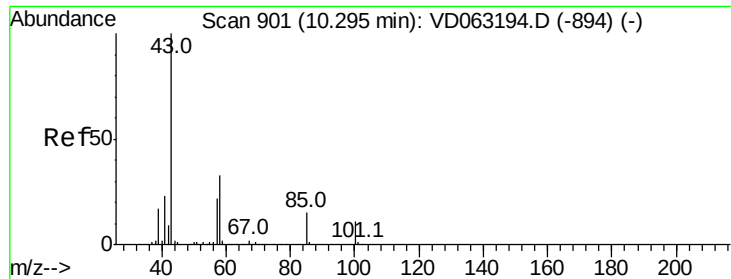
#50
Toluene-d8
Concen: 55.686 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.00 min
Lab File: VD063255.D
Acq: 30 Jul 2019 22:47

Tgt Ion: 98 Resp: 1514594
Ion Ratio Lower Upper
98 100
100 68.7 53.2 79.8



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

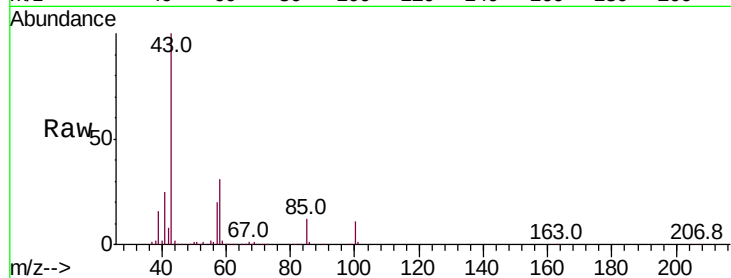




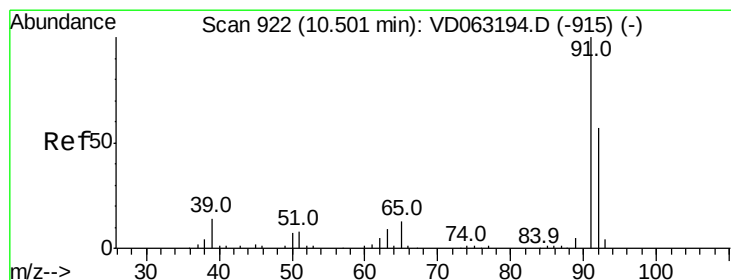
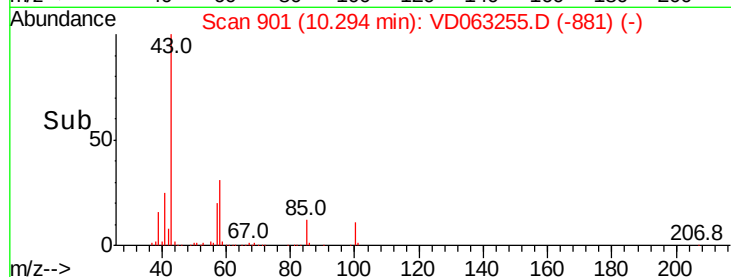
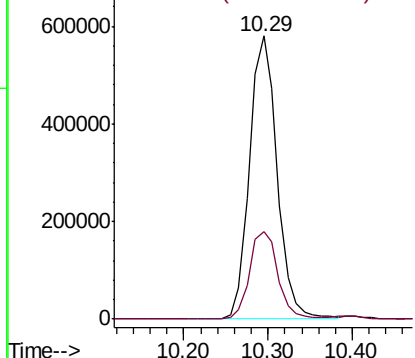
#51
4-Methyl-2-Pentanone
Concen: 263.795 ug/l
RT: 10.29 min Scan# 901
Delta R.T. -0.00 min
Lab File: VD063255.D
Acq: 30 Jul 2019 22:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1337472
Ion Ratio Lower Upper
43 100
58 31.1 26.2 39.2

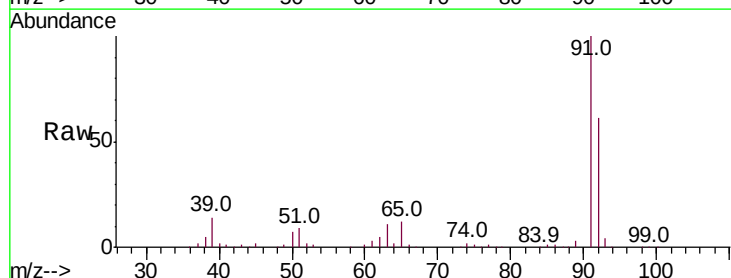


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

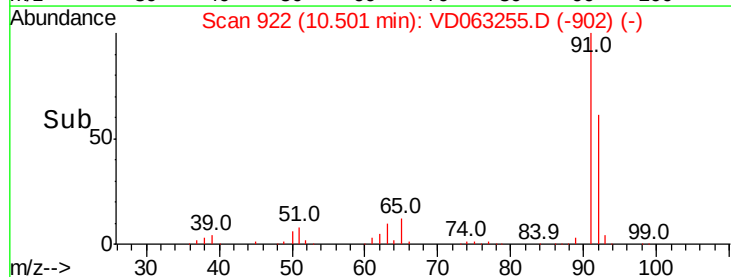
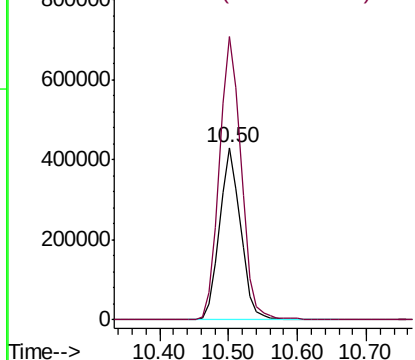


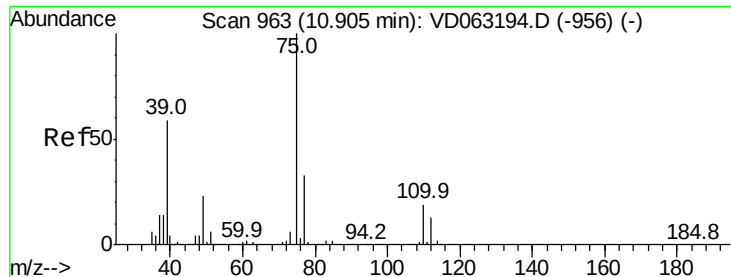
#52
Toluene
Concen: 50.628 ug/l
RT: 10.50 min Scan# 922
Delta R.T. -0.00 min
Lab File: VD063255.D
Acq: 30 Jul 2019 22:47

Tgt Ion: 92 Resp: 916788
Ion Ratio Lower Upper
92 100
91 164.6 140.8 211.2



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: 52.812 ug/l

RT: 10.90 min Scan# 963

Delta R.T. -0.00 min

Lab File: VD063255.D

Acq: 30 Jul 2019 22:47

Instrument :

MSVOA_D

ClientSampleId :

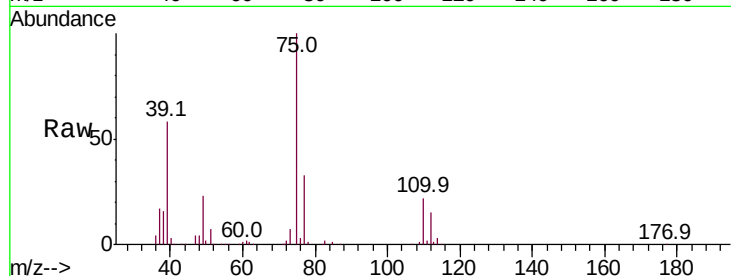
VSTDCCC050

Tot Ion: 75 Resp: 667830

Ion Ratio Lower Upper

75 100

77 32.6 26.6 40.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

10.90

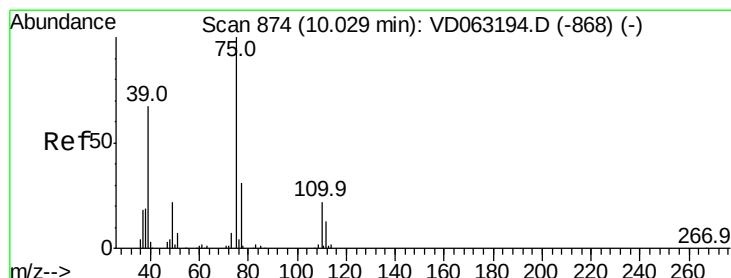
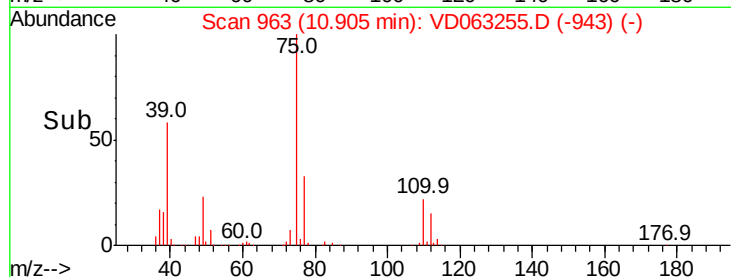
300000

200000

100000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 51.020 ug/l

RT: 10.03 min Scan# 874

Delta R.T. -0.00 min

Lab File: VD063255.D

Acq: 30 Jul 2019 22:47

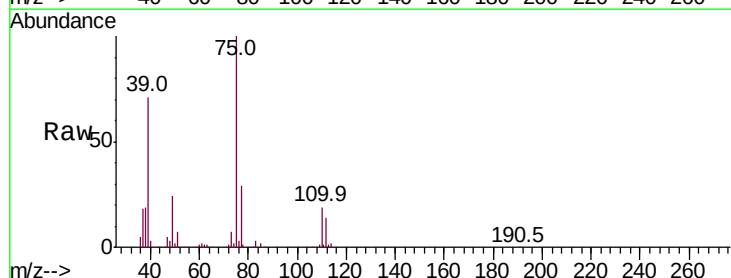
Tgt Ion: 75 Resp: 678062

Ion Ratio Lower Upper

75 100

77 29.4 24.9 37.3

39 70.8 53.9 80.9



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

10.03

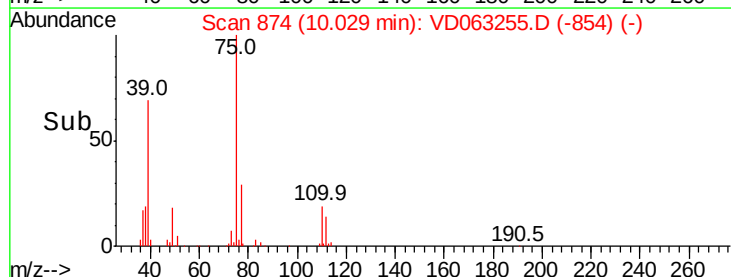
300000

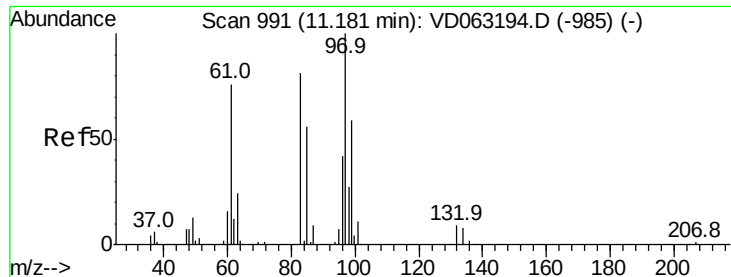
200000

100000

0

Time-->

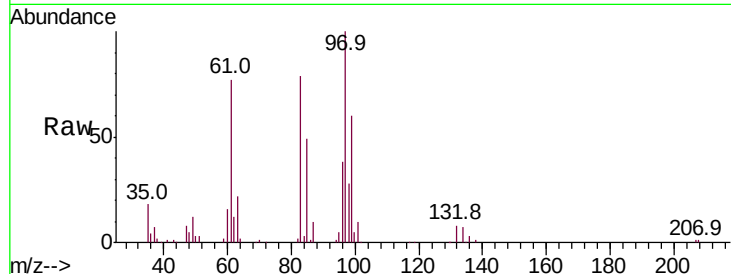




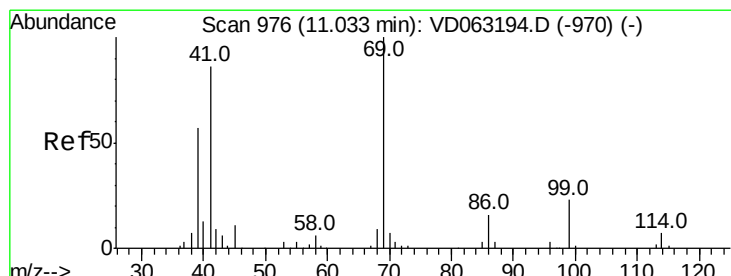
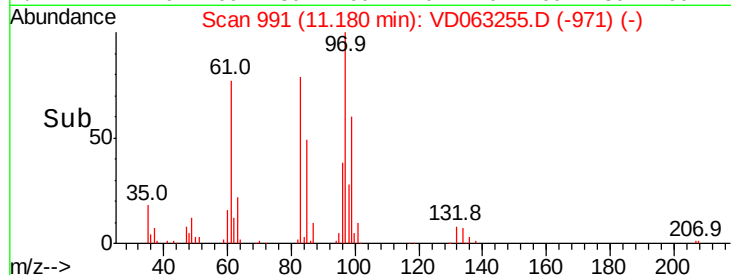
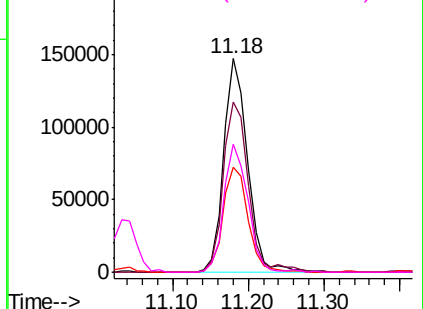
#55
 1,1,2-Trichloroethane
 Concen: 52.429 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. -0.00 min
 Lab File: VD063255.D
 Acq: 30 Jul 2019 22:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	320640
Ion	Ratio	Lower	Upper
97	100		
83	79.5	64.8	97.2
85	49.3	44.9	67.3
99	59.7	47.2	70.8

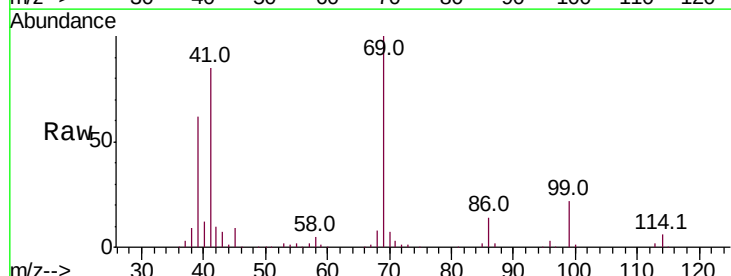


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

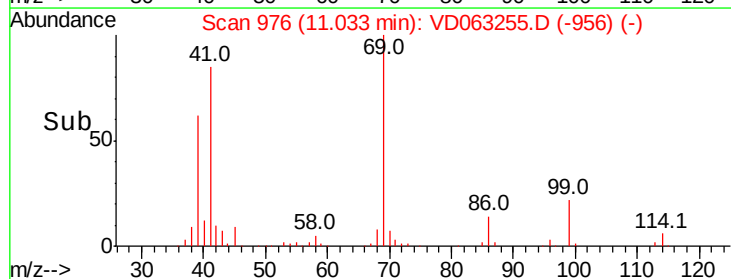
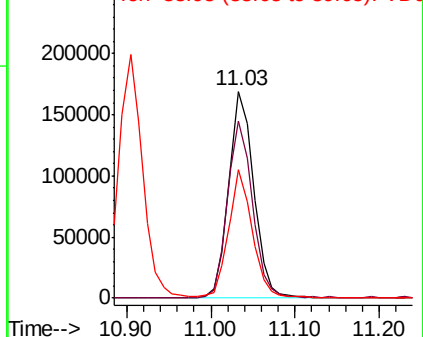


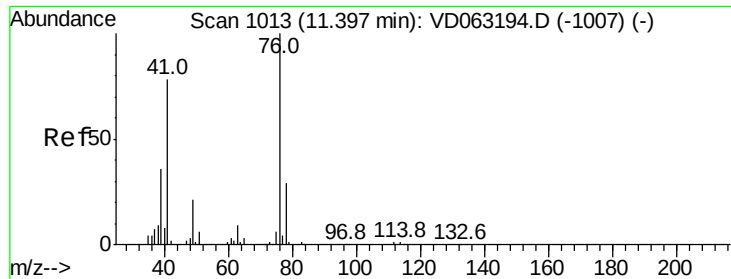
#56
 Ethyl methacrylate
 Concen: 52.417 ug/l
 RT: 11.03 min Scan# 976
 Delta R.T. -0.00 min
 Lab File: VD063255.D
 Acq: 30 Jul 2019 22:47

Tgt Ion:	69	Resp:	351031
Ion	Ratio	Lower	Upper
69	100		
41	85.3	68.8	103.2
39	62.3	45.8	68.8



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC

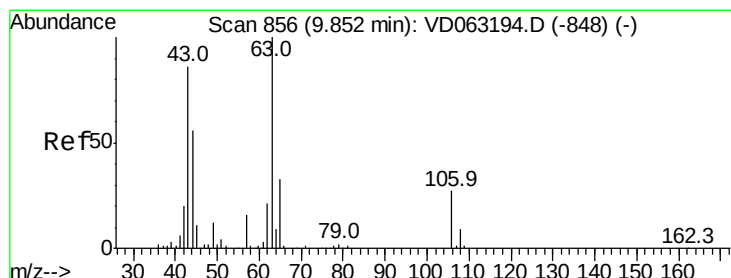
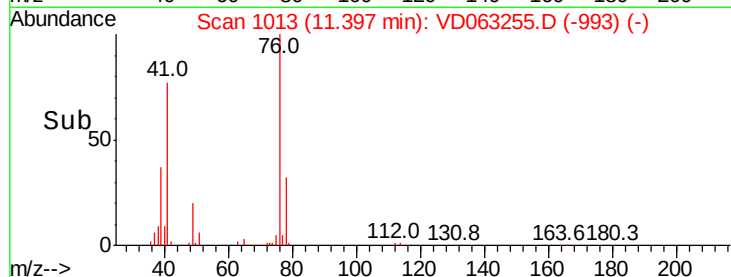
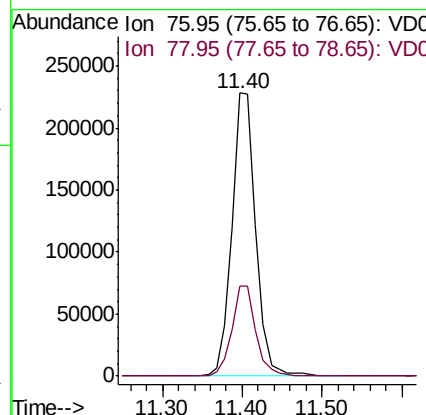
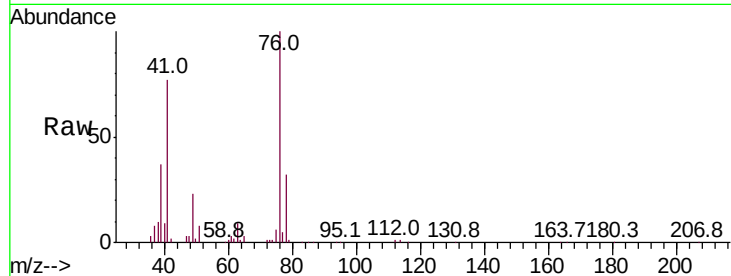




#57
 1,3-Dichloropropane
 Concen: 49.830 ug/l
 RT: 11.40 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VD063255.D
 Acq: 30 Jul 2019 22:47

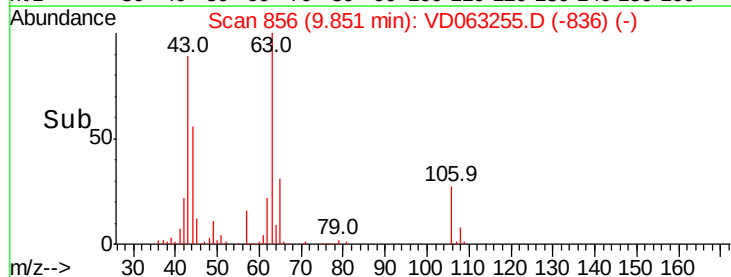
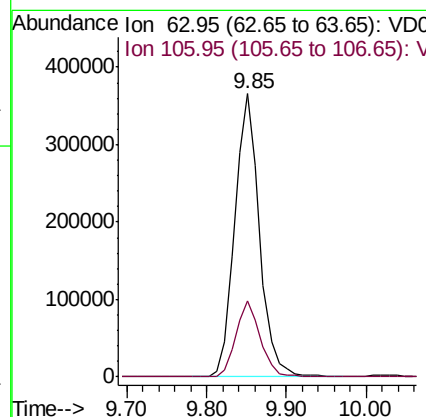
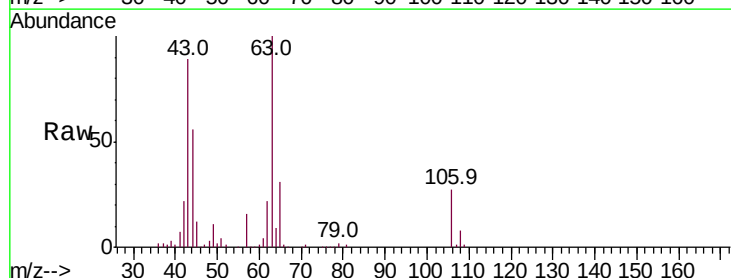
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

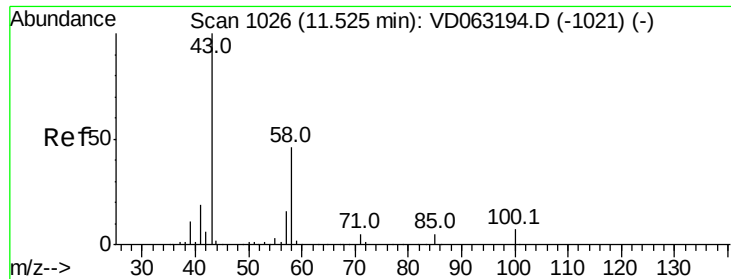
Tot Ion: 76 Resp: 480156
 Ion Ratio Lower Upper
 76 100
 78 31.7 23.4 35.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 227.506 ug/l
 RT: 9.85 min Scan# 856
 Delta R.T. -0.00 min
 Lab File: VD063255.D
 Acq: 30 Jul 2019 22:47

Tgt Ion: 63 Resp: 792784
 Ion Ratio Lower Upper
 63 100
 106 27.0 22.0 33.0

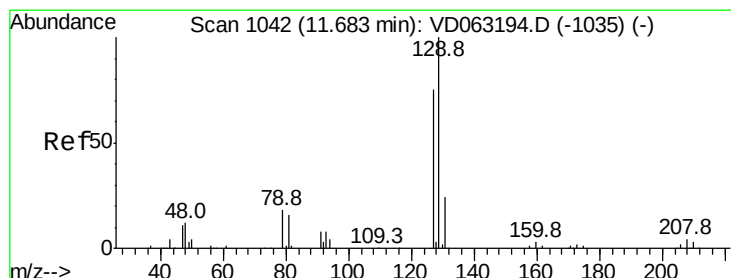
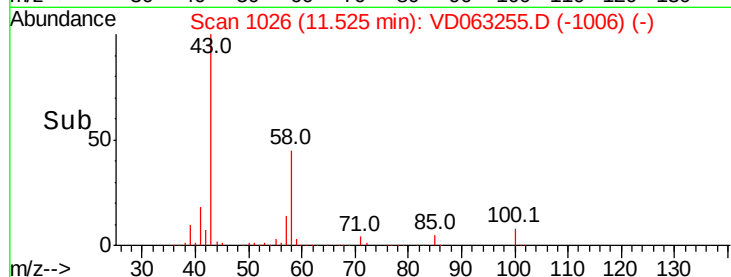
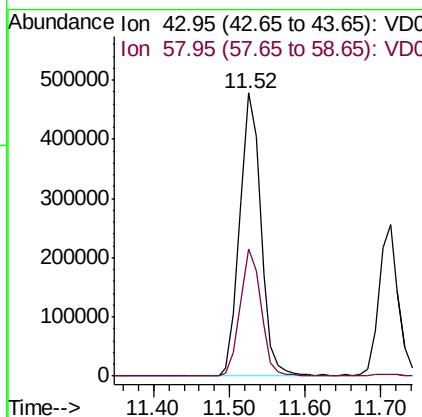
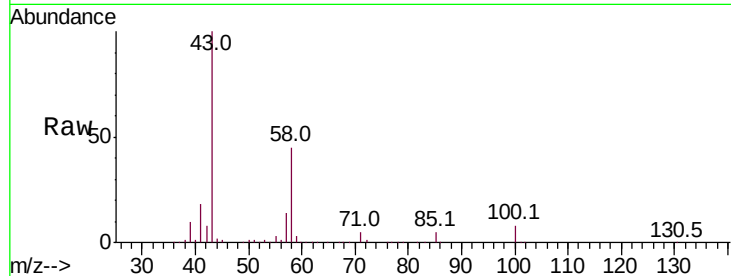




#59
2-Hexanone
Concen: 253.285 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. -0.00 min
Lab File: VD063255.D
Acq: 30 Jul 2019 22:47

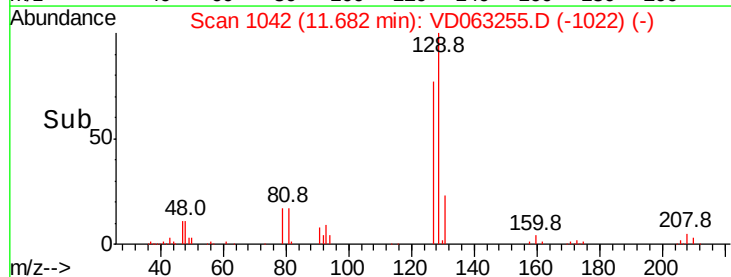
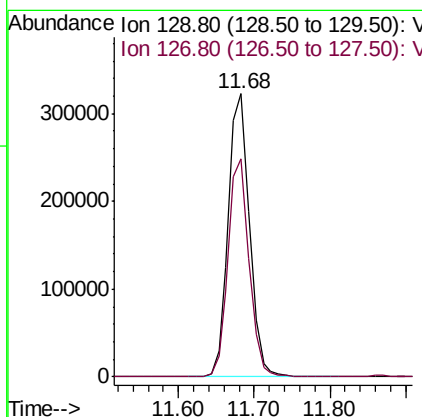
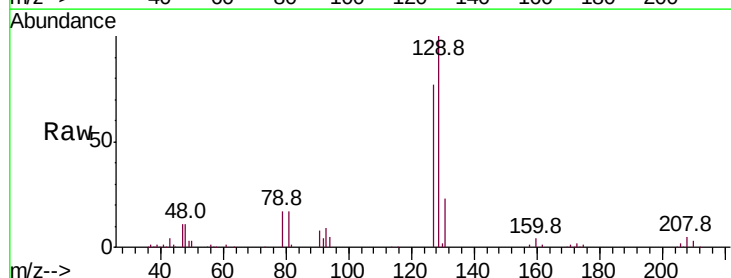
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

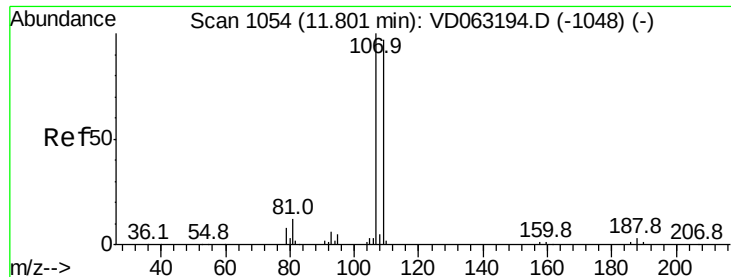
Tot Ion: 43 Resp: 925438
Ion Ratio Lower Upper
43 100
58 45.1 22.9 68.5



#60
Dibromochloromethane
Concen: 54.145 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VD063255.D
Acq: 30 Jul 2019 22:47

Tgt Ion: 129 Resp: 625136
Ion Ratio Lower Upper
129 100
127 77.1 37.6 112.8

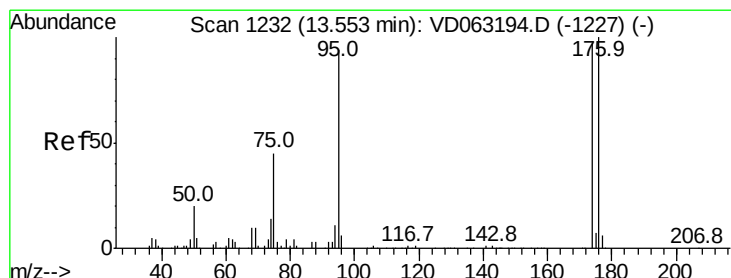
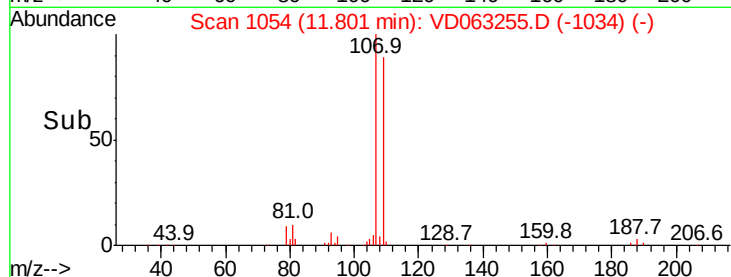
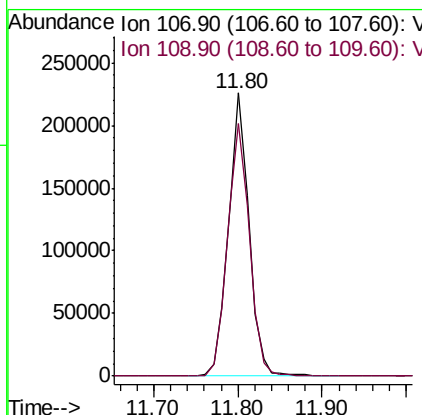
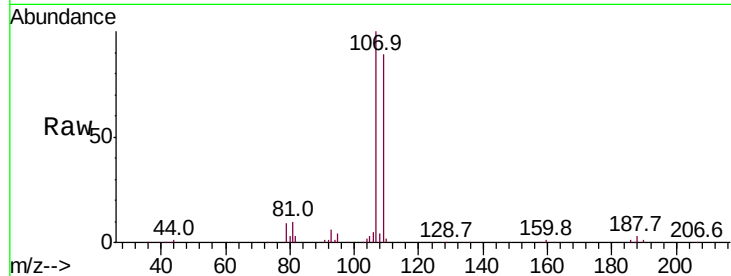




#61
 1,2-Dibromoethane
 Concen: 50.716 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. -0.00 min
 Lab File: VD063255.D
 Acq: 30 Jul 2019 22:47

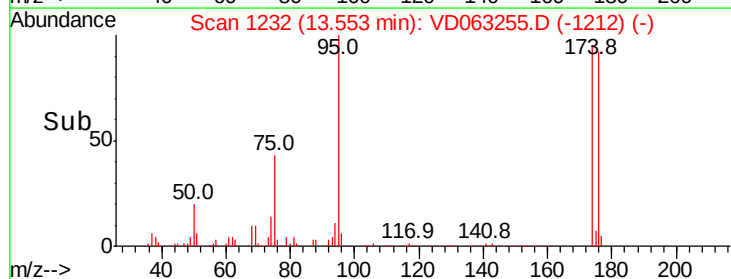
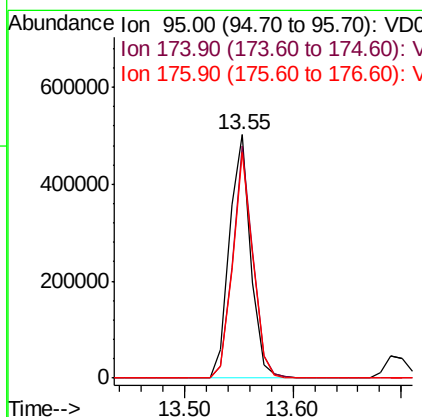
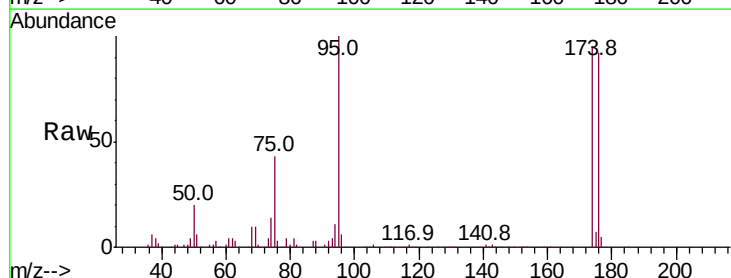
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

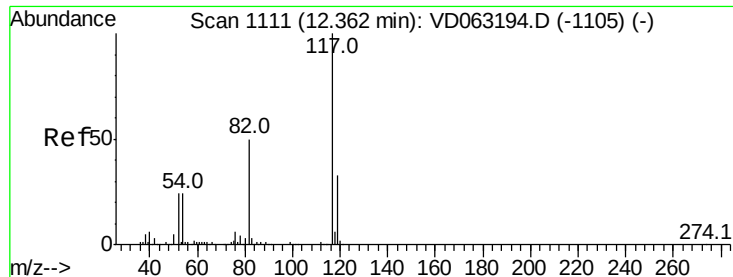
Tot Ion:107 Resp: 382724
 Ion Ratio Lower Upper
 107 100
 109 89.2 77.5 116.3



#62
 4-Bromofluorobenzene
 Concen: 55.171 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD063255.D
 Acq: 30 Jul 2019 22:47

Tgt Ion: 95 Resp: 683814
 Ion Ratio Lower Upper
 95 100
 174 95.2 0.0 205.4
 176 92.5 0.0 211.8

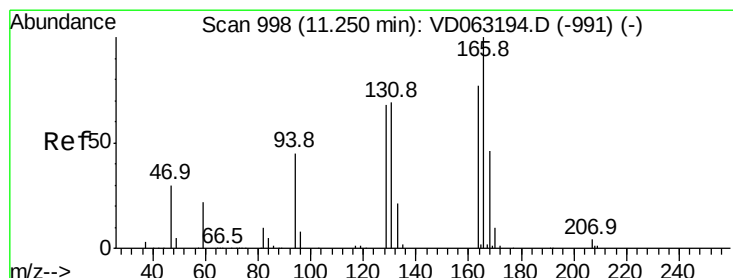
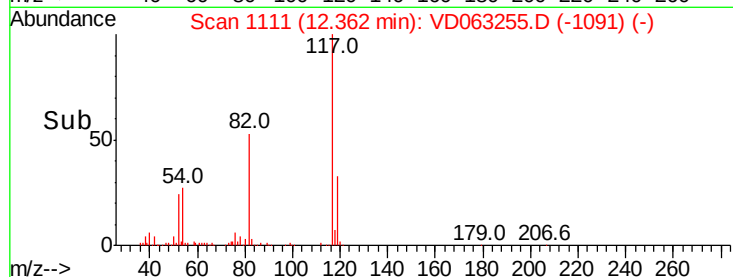
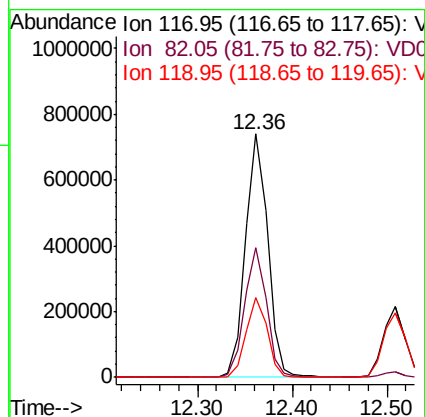
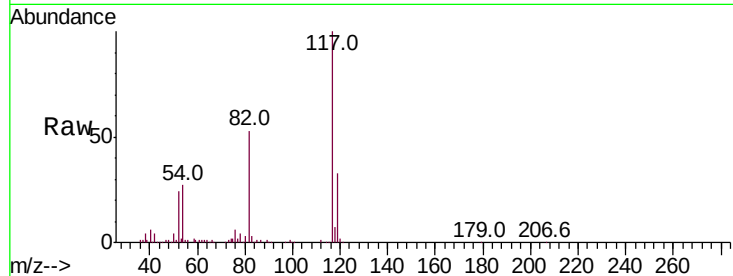




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD063255.D
Acq: 30 Jul 2019 22:47

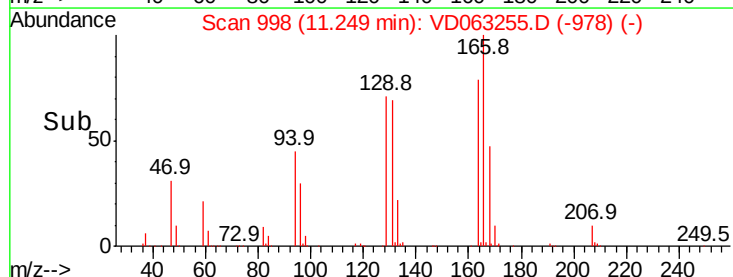
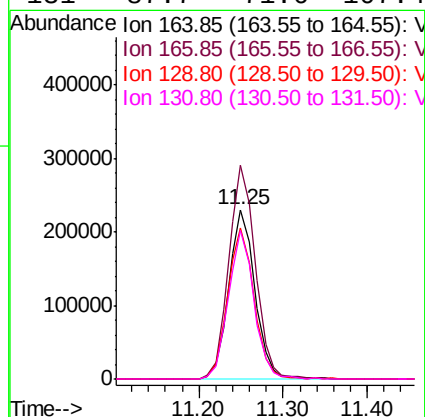
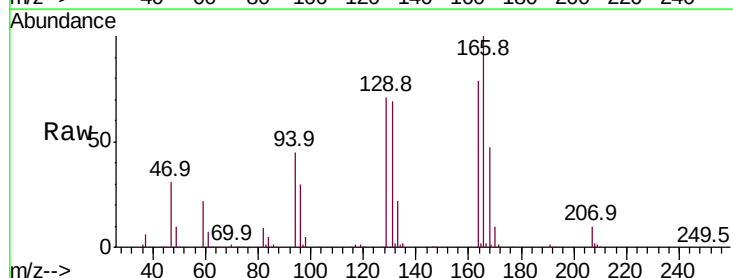
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

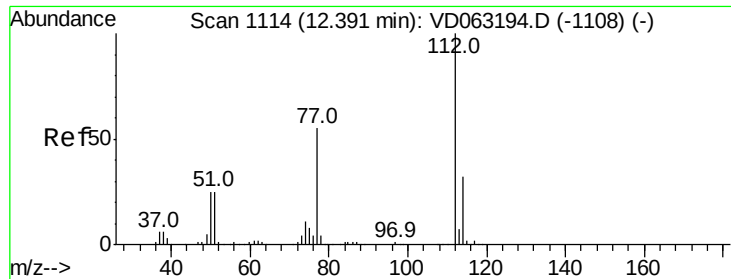
Tot Ion:117 Resp: 1208379
Ion Ratio Lower Upper
117 100
82 53.1 40.1 60.1
119 32.9 26.5 39.7



#64
Tetrachloroethene
Concen: 51.566 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.00 min
Lab File: VD063255.D
Acq: 30 Jul 2019 22:47

Tgt Ion:164 Resp: 496412
Ion Ratio Lower Upper
164 100
166 126.3 104.3 156.5
129 89.3 70.9 106.3
131 87.7 71.6 107.4

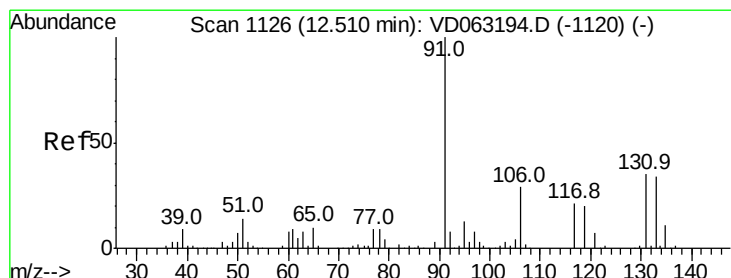
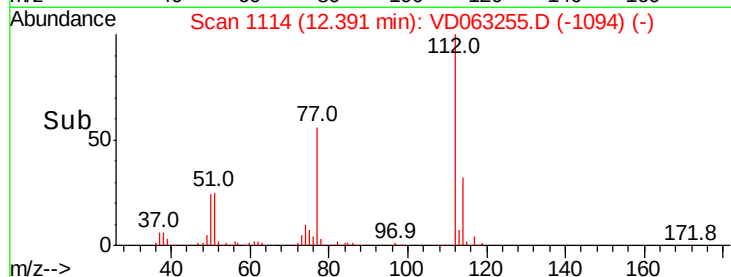
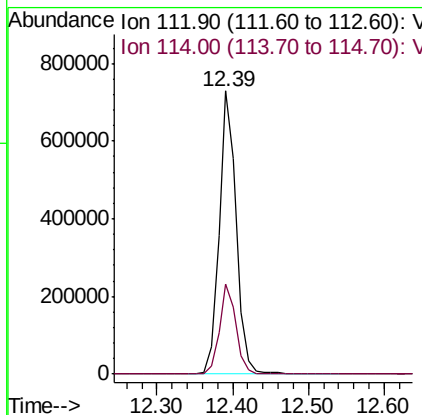
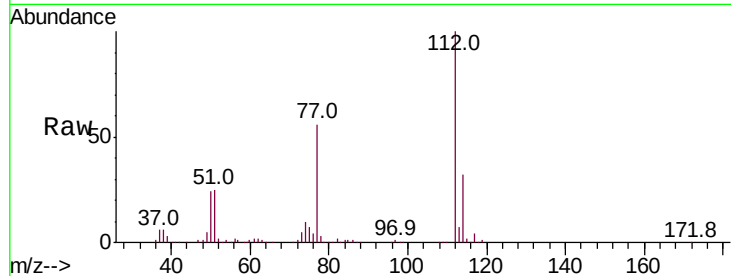




#65
Chlorobenzene
Concen: 49.231 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.00 min
Lab File: VD063255.D
Acq: 30 Jul 2019 22:47

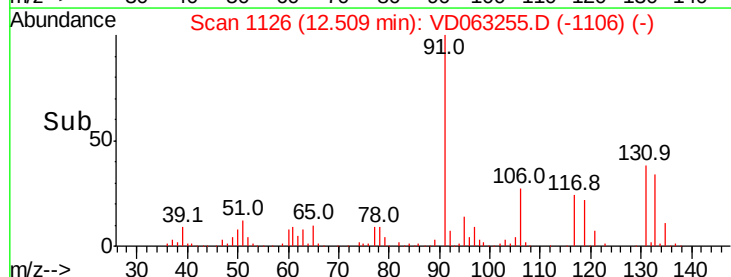
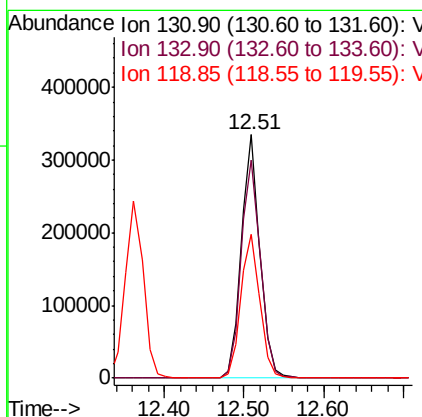
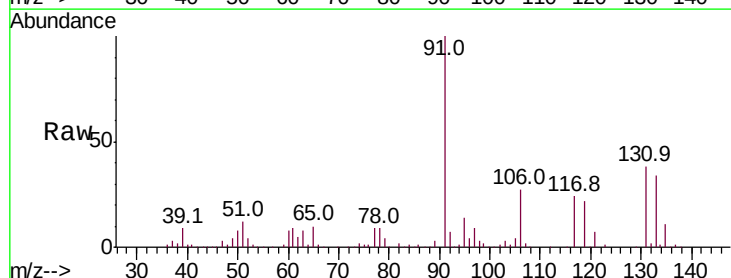
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

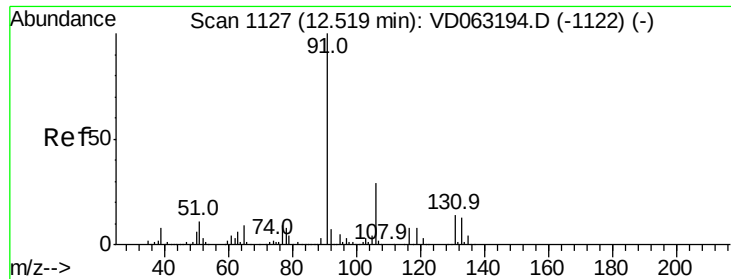
Tot Ion:112 Resp: 1144258
Ion Ratio Lower Upper
112 100
114 31.7 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 52.616 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD063255.D
Acq: 30 Jul 2019 22:47

Tgt Ion:131 Resp: 538685
Ion Ratio Lower Upper
131 100
133 89.8 48.4 145.2
119 58.9 29.1 87.3

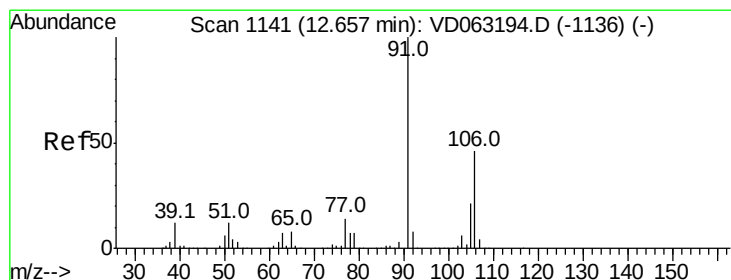
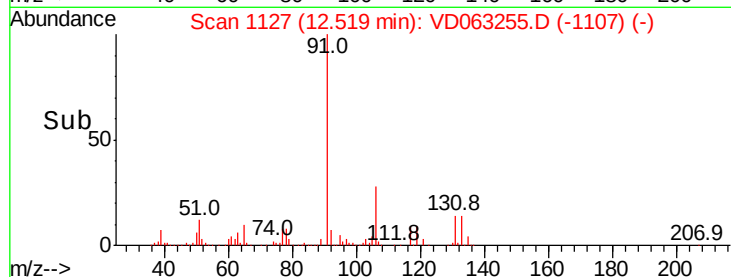
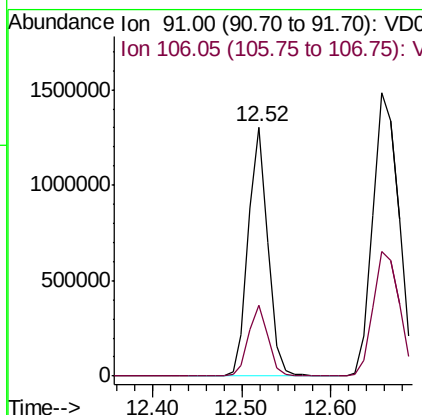
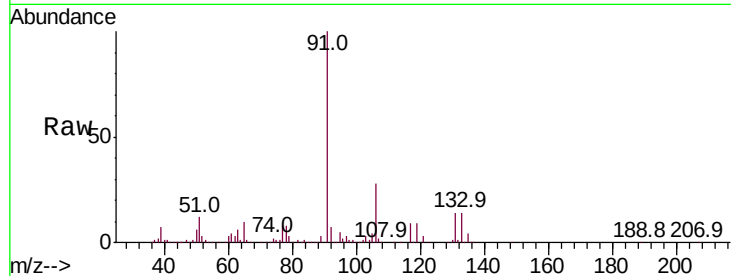




#67
Ethyl Benzene
Concen: 49.904 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VD063255.D
Acq: 30 Jul 2019 22:47

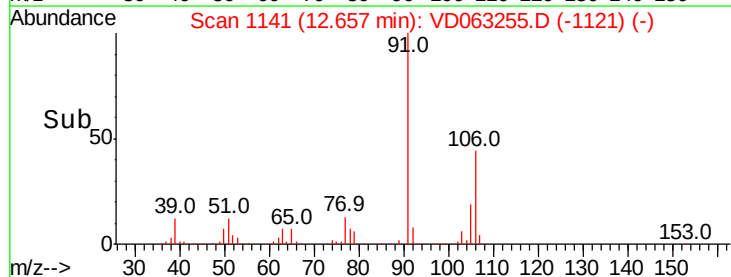
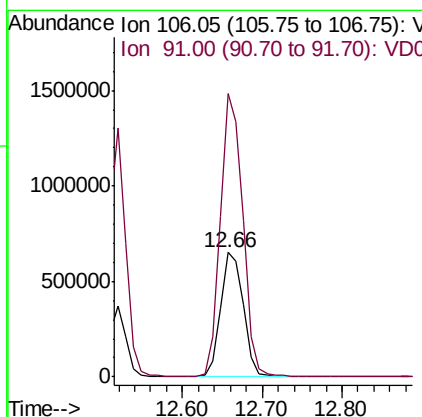
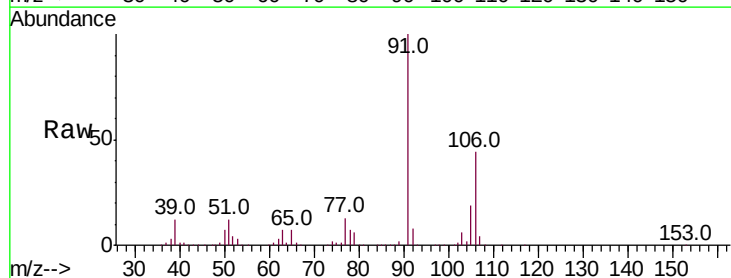
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

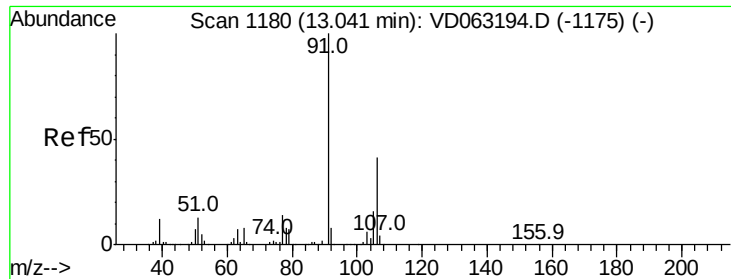
Tot Ion: 91 Resp: 1970406
Ion Ratio Lower Upper
91 100
106 28.5 22.9 34.3



#68
m/p-Xylenes
Concen: 91.042 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.00 min
Lab File: VD063255.D
Acq: 30 Jul 2019 22:47

Tgt Ion:106 Resp: 1318286
Ion Ratio Lower Upper
106 100
91 227.4 172.6 259.0

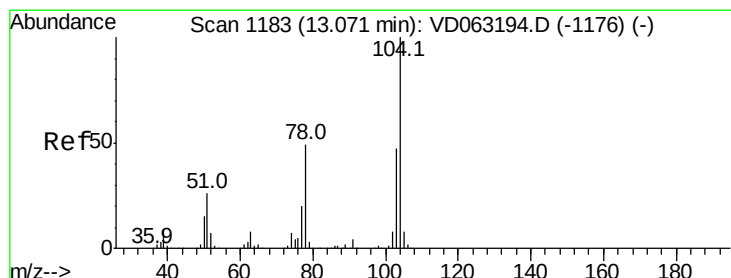
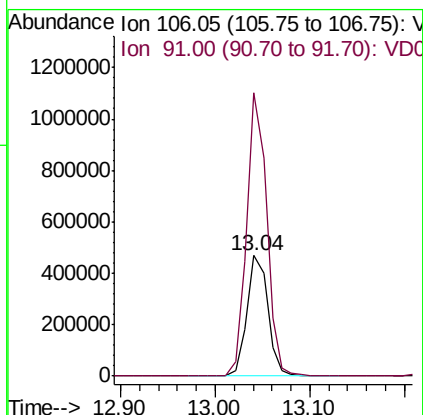
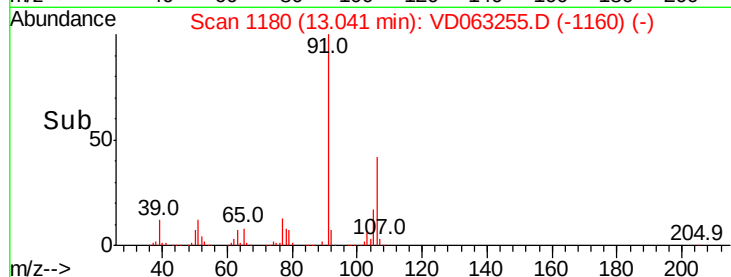
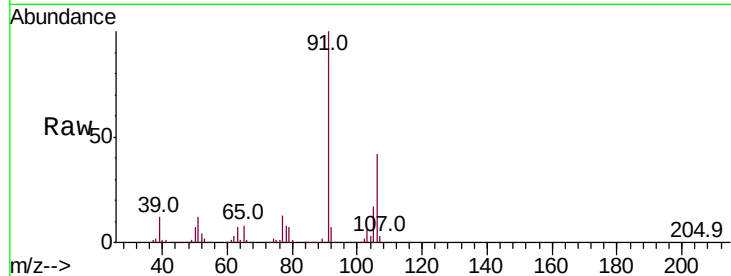




#69
o-Xylene
Concen: 53.794 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VD063255.D
Acq: 30 Jul 2019 22:47

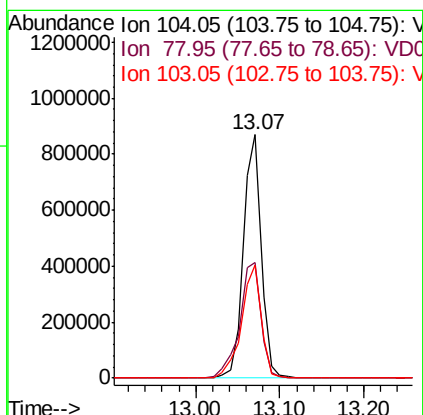
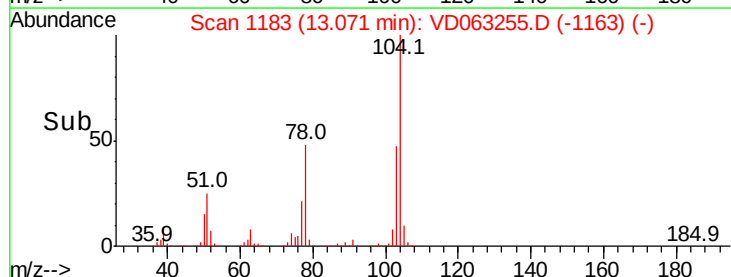
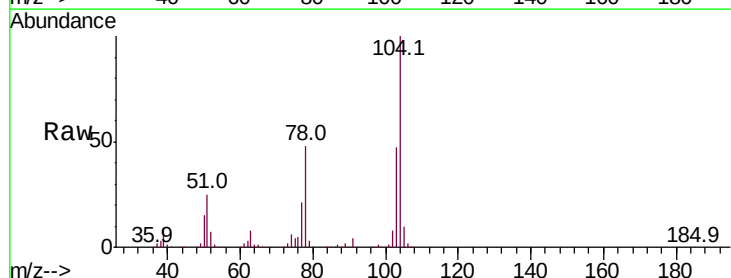
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

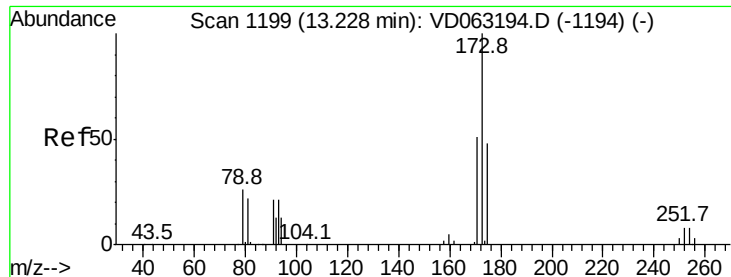
Tot Ion:106 Resp: 715305
Ion Ratio Lower Upper
106 100
91 235.4 121.3 363.9



#70
Styrene
Concen: 54.337 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD063255.D
Acq: 30 Jul 2019 22:47

Tgt Ion:104 Resp: 1281333
Ion Ratio Lower Upper
104 100
78 47.6 39.4 59.0
103 46.7 37.4 56.2





#71

Bromoform

Concen: 51.241 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. -0.00 min

Lab File: VD063255.D

Acq: 30 Jul 2019 22:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

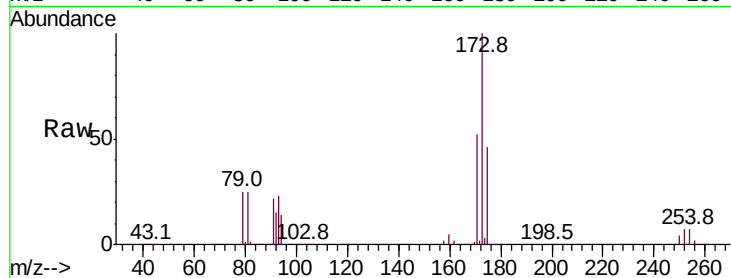
Tot Ion:173 Resp: 381506

Ion Ratio Lower Upper

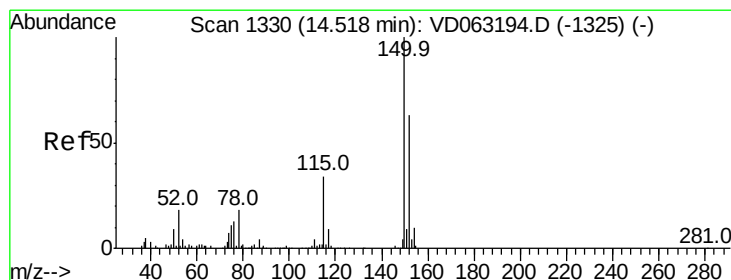
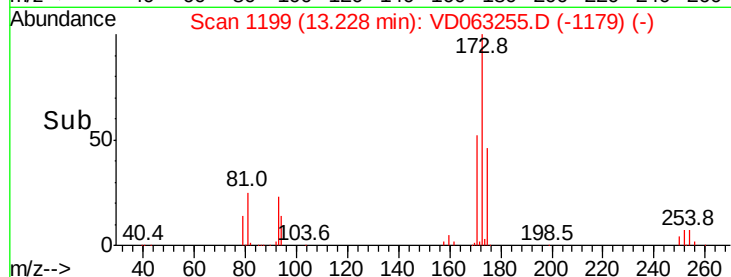
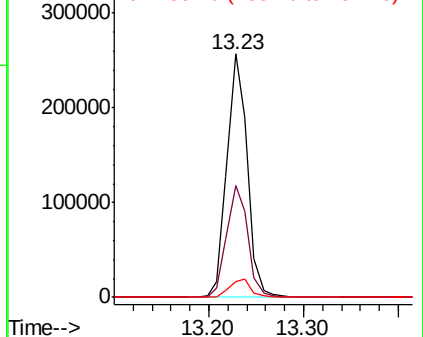
173 100

175 46.0 23.8 71.5

254 6.7 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: VD063255.D

Acq: 30 Jul 2019 22:47

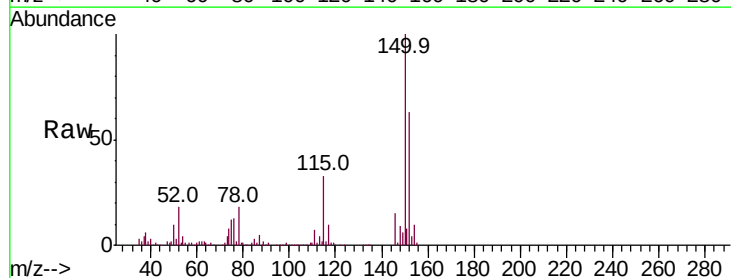
Tgt Ion:152 Resp: 609695

Ion Ratio Lower Upper

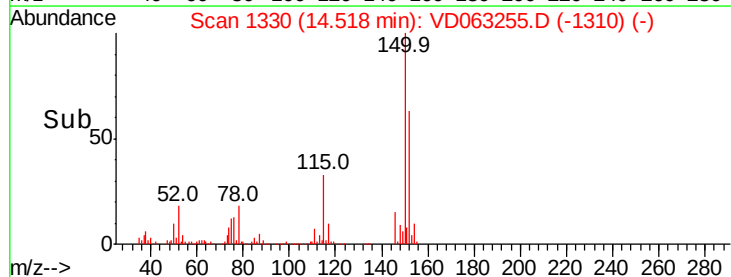
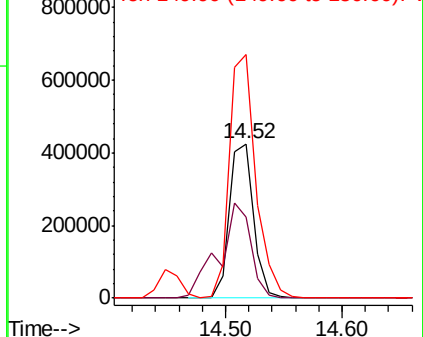
152 100

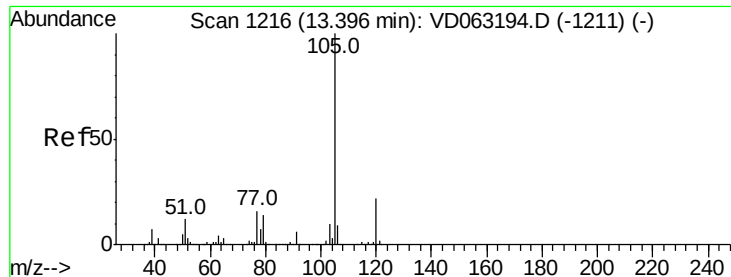
115 52.4 27.5 82.4

150 157.5 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: 54.096 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.00 min

Lab File: VD063255.D

Acq: 30 Jul 2019 22:47

Instrument :

MSVOA_D

ClientSampleId :

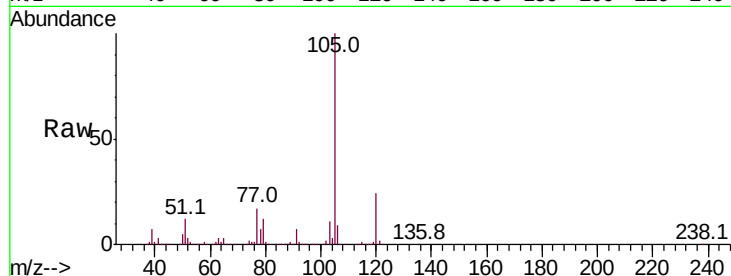
VSTDCCC050

Tot Ion:105 Resp: 2070045

Ion Ratio Lower Upper

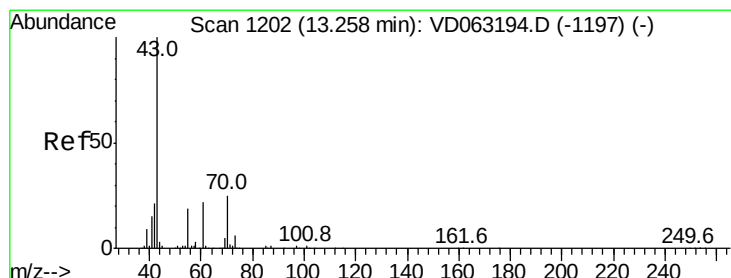
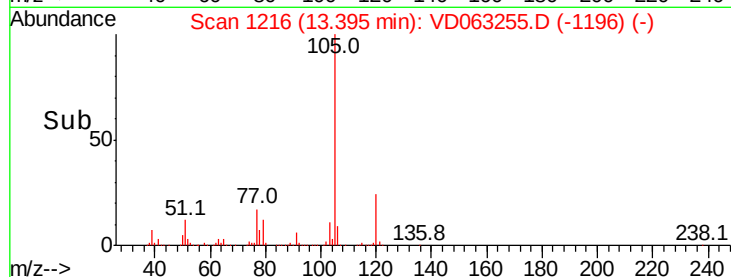
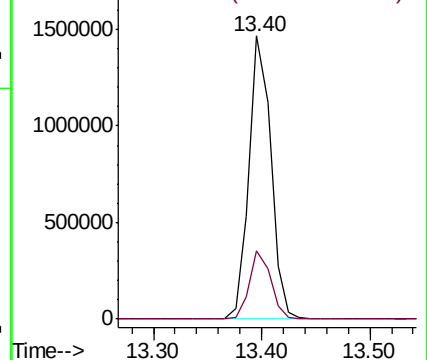
105 100

120 24.1 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: 54.928 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VD063255.D

Acq: 30 Jul 2019 22:47

Tgt Ion: 43 Resp: 555652

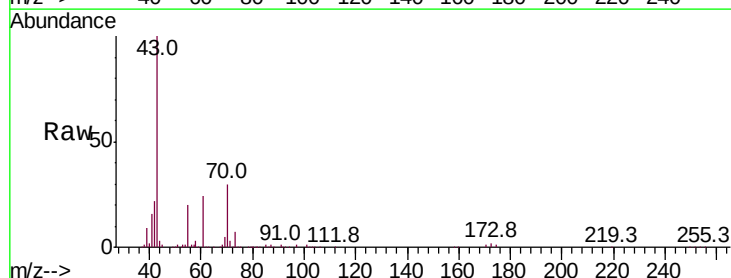
Ion Ratio Lower Upper

43 100

70 30.2 20.2 30.4

55 20.2 14.9 22.3

61 23.7 17.9 26.9

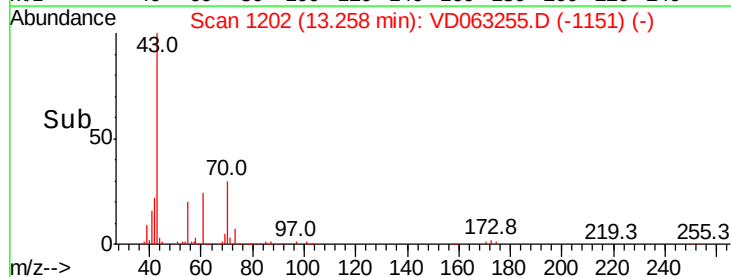
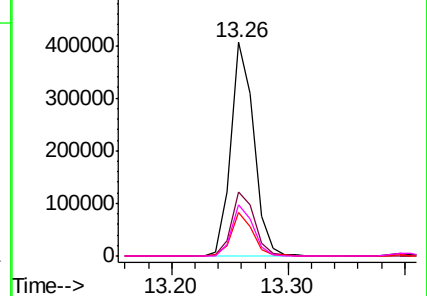


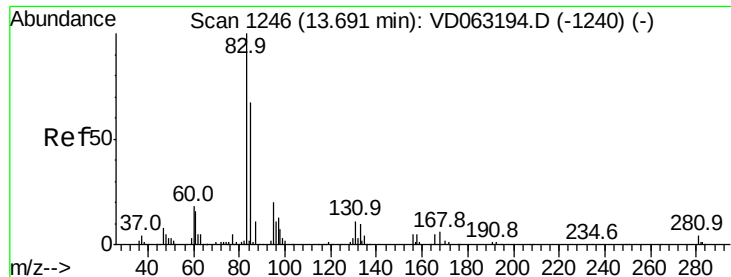
Abundance Ion 42.95 (42.65 to 43.65): VDC

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: 56.193 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.00 min

Lab File: VD063255.D

Acq: 30 Jul 2019 22:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

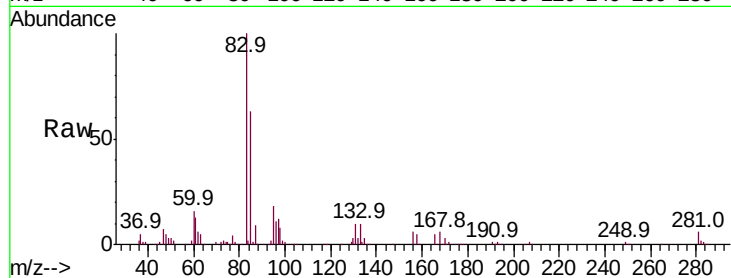
Tot Ion: 83 Resp: 365261

Ion Ratio Lower Upper

83 100

131 9.7 5.5 16.7

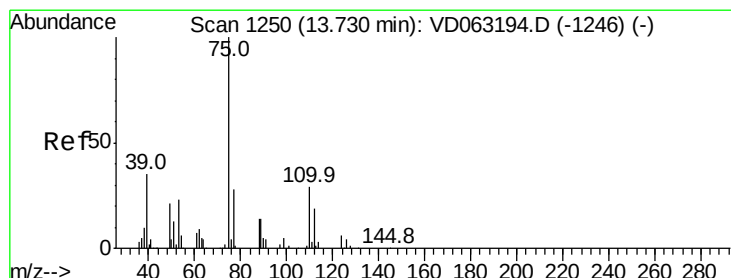
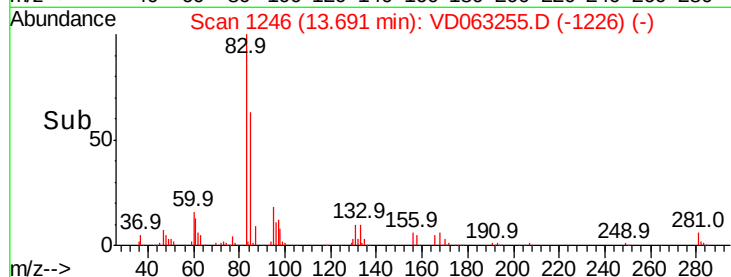
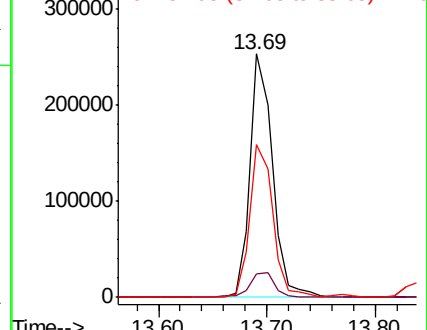
85 62.8 33.7 101.1



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



#76

1,2,3-Trichloropropane

Concen: 55.684 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD063255.D

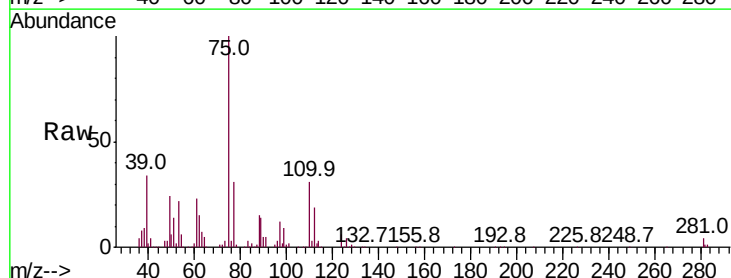
Acq: 30 Jul 2019 22:47

Tgt Ion: 75 Resp: 407786

Ion Ratio Lower Upper

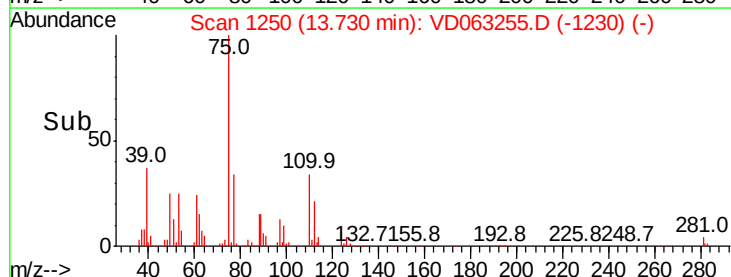
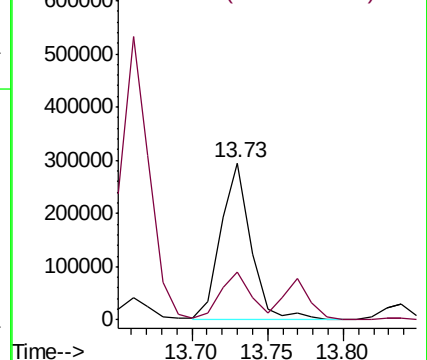
75 100

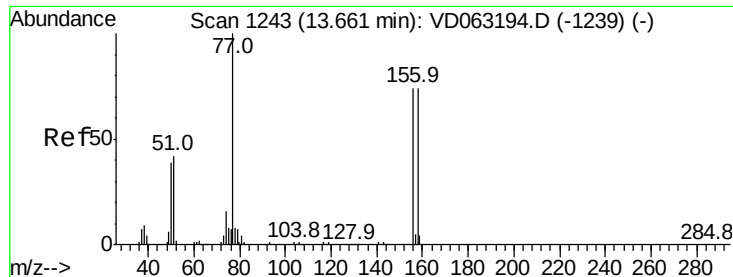
77 30.6 16.0 48.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 50.621 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.00 min

Lab File: VD063255.D

Acq: 30 Jul 2019 22:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

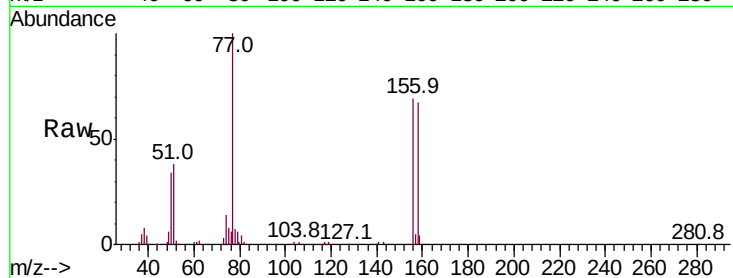
Tot Ion:156 Resp: 551813

Ion Ratio Lower Upper

156 100

77 144.4 67.6 202.8

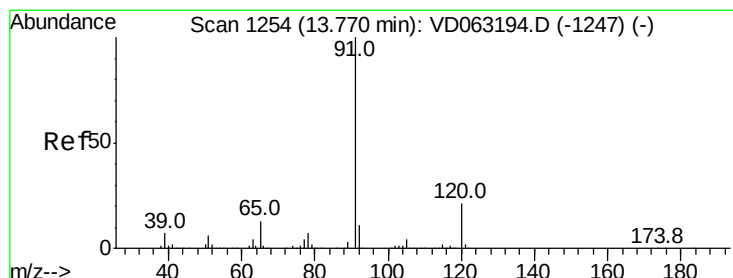
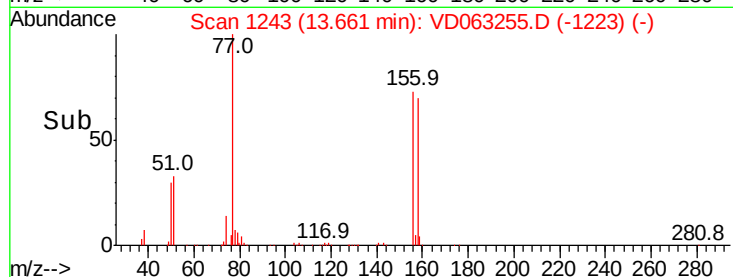
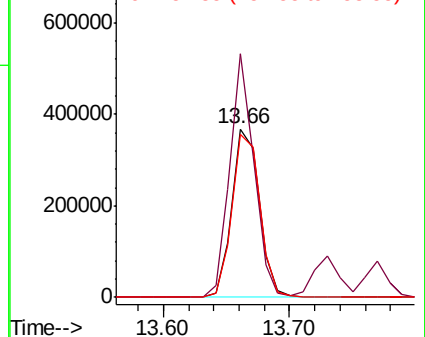
158 97.0 49.8 149.4



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 51.028 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VD063255.D

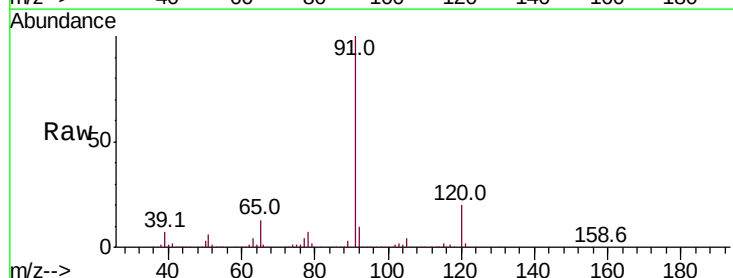
Acq: 30 Jul 2019 22:47

Tgt Ion: 91 Resp: 2323711

Ion Ratio Lower Upper

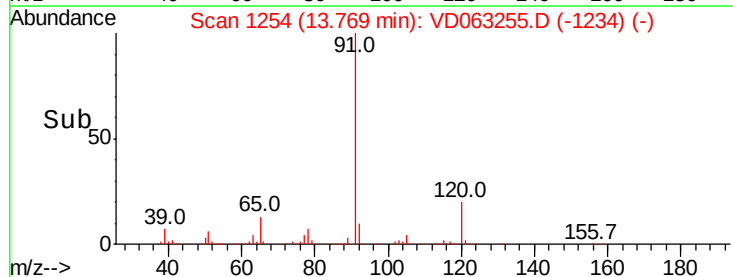
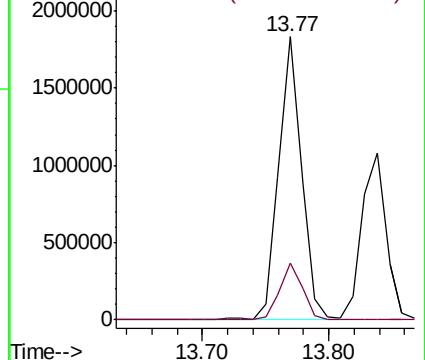
91 100

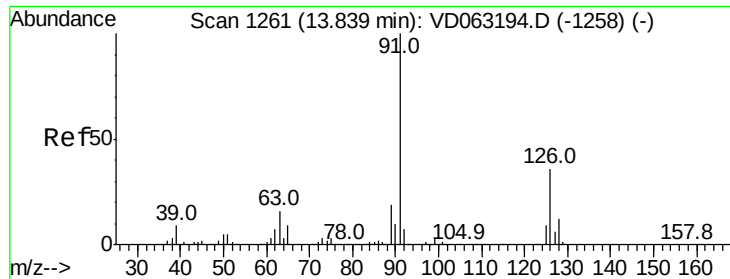
120 20.2 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

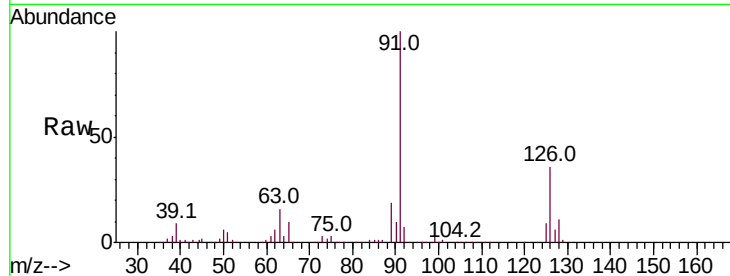




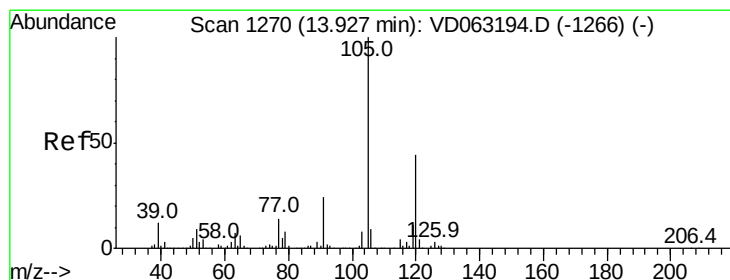
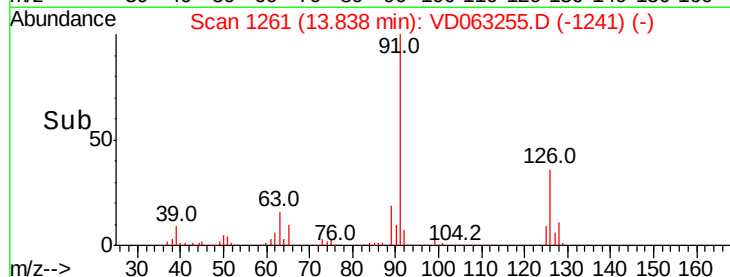
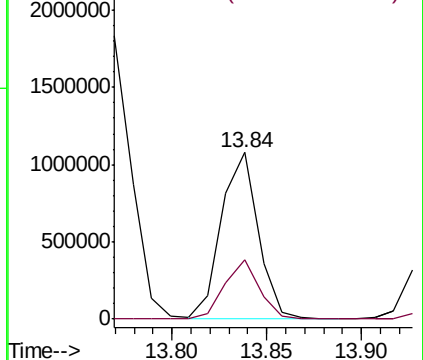
#79
2-Chlorotoluene
Concen: 54.789 ug/l
RT: 13.84 min Scan# 1261
Delta R.T. -0.00 min
Lab File: VD063255.D
Acq: 30 Jul 2019 22:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1445666
Ion Ratio Lower Upper
91 100
126 35.6 17.8 53.5

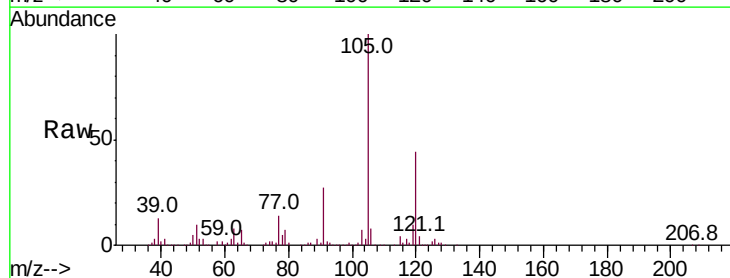


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 125.95 (125.65 to 126.65): V

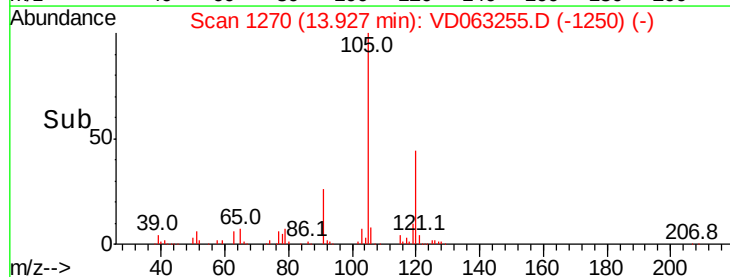
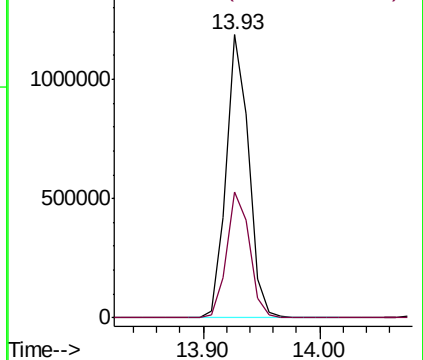


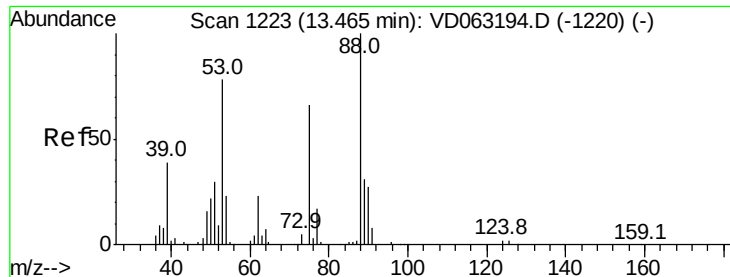
#80
1,3,5-Trimethylbenzene
Concen: 48.124 ug/l
RT: 13.93 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VD063255.D
Acq: 30 Jul 2019 22:47

Tgt Ion: 105 Resp: 1588290
Ion Ratio Lower Upper
105 100
120 44.4 22.1 66.1



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





#81

trans-1,4-Dichloro-2-butene

Concen: 52.243 ug/l

RT: 13.46 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD063255.D

Acq: 30 Jul 2019 22:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

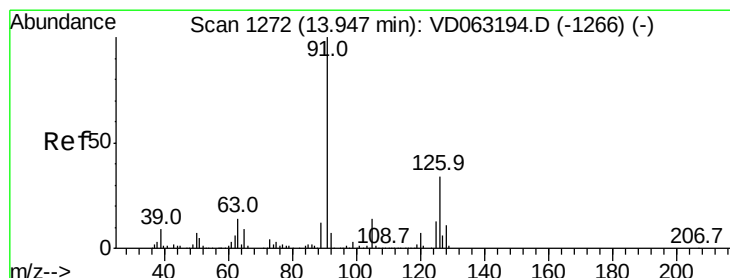
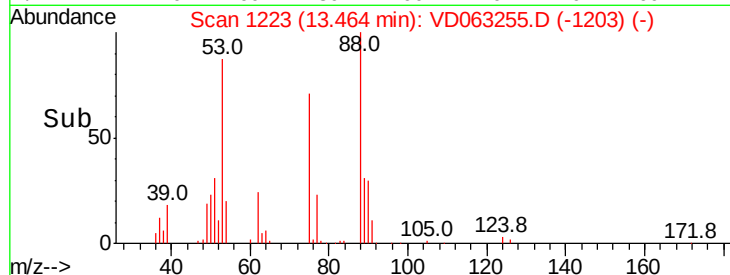
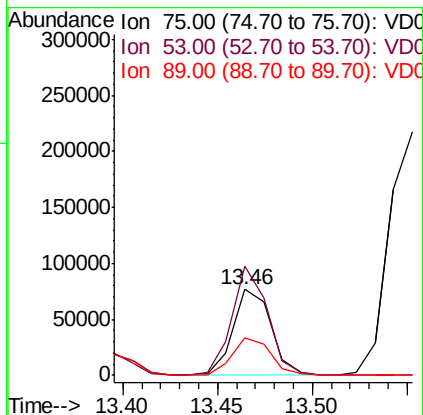
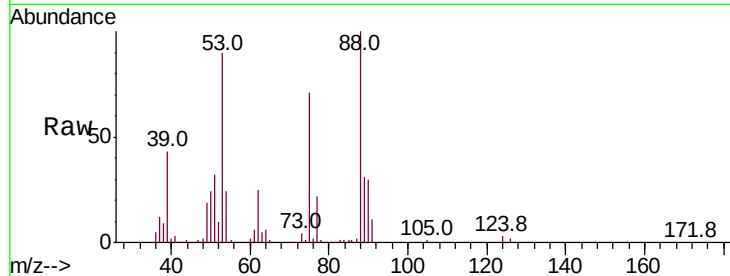
Tot Ion: 75 Resp: 106237

Ion	Ratio	Lower	Upper
75	100		
53	127.4	94.9	142.3
89	43.2	37.4	56.0

75 100

53 127.4 94.9 142.3

89 43.2 37.4 56.0



#82

4-Chlorotoluene

Concen: 51.133 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VD063255.D

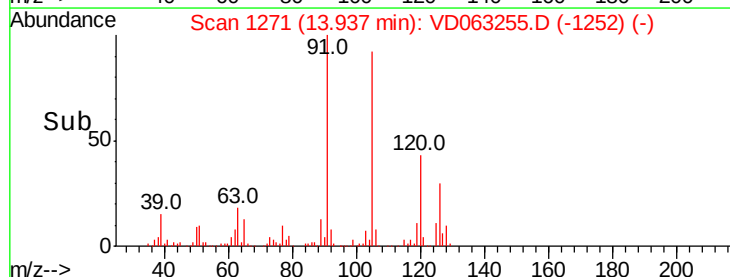
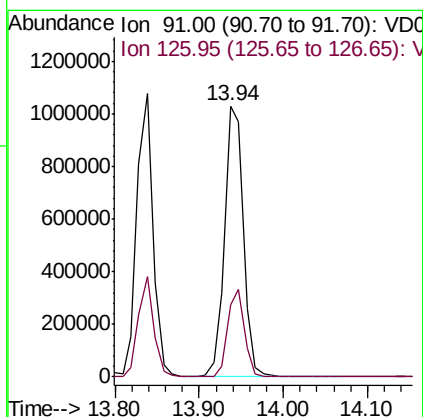
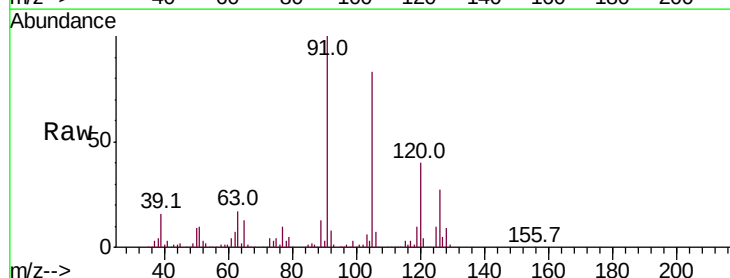
Acq: 30 Jul 2019 22:47

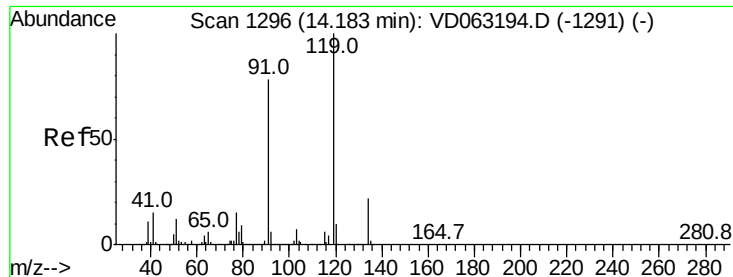
Tgt Ion: 91 Resp: 1587822

Ion	Ratio	Lower	Upper
91	100		
126	26.9	17.1	51.2

91 100

126 26.9 17.1 51.2





#83

tert-Butylbenzene

Concen: 49.513 ug/l

RT: 14.18 min Scan# 1296

Delta R.T. -0.00 min

Lab File: VD063255.D

Acq: 30 Jul 2019 22:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

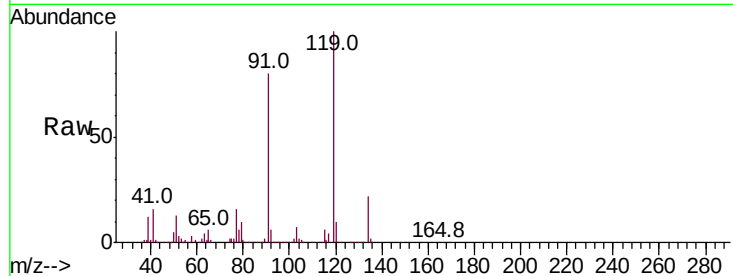
Tot Ion:119 Resp: 1865881

Ion Ratio Lower Upper

119 100

91 79.8 39.1 117.5

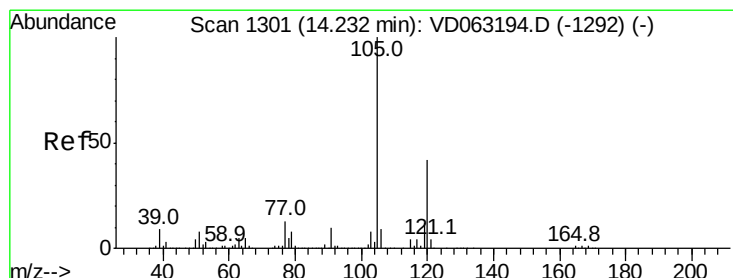
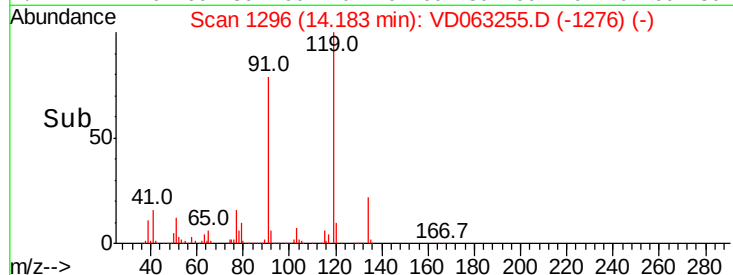
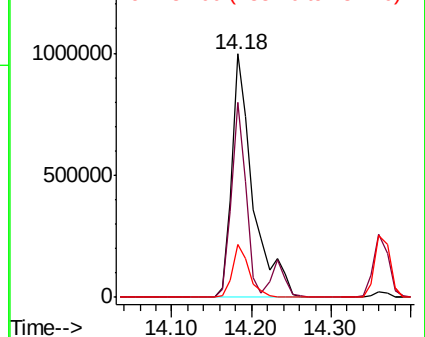
134 21.5 10.9 32.6



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: 51.354 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VD063255.D

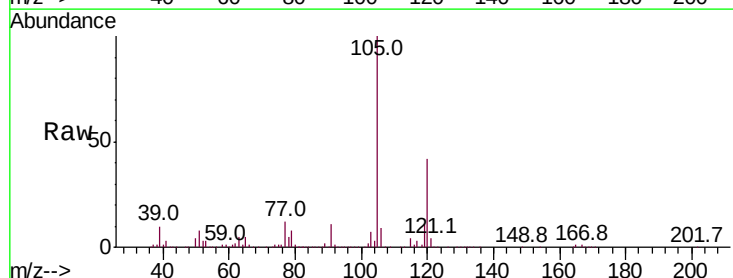
Acq: 30 Jul 2019 22:47

Tgt Ion:105 Resp: 1753136

Ion Ratio Lower Upper

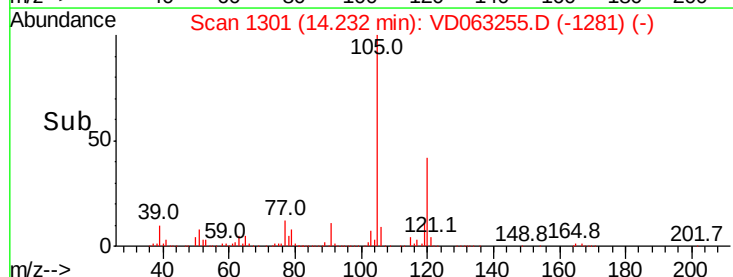
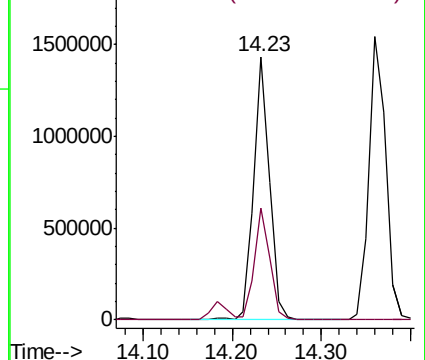
105 100

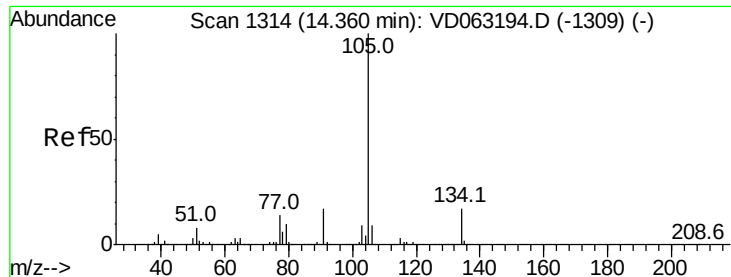
120 42.3 20.9 62.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 50.154 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. -0.00 min

Lab File: VD063255.D

Acq: 30 Jul 2019 22:47

Instrument :

MSVOA_D

ClientSampleId :

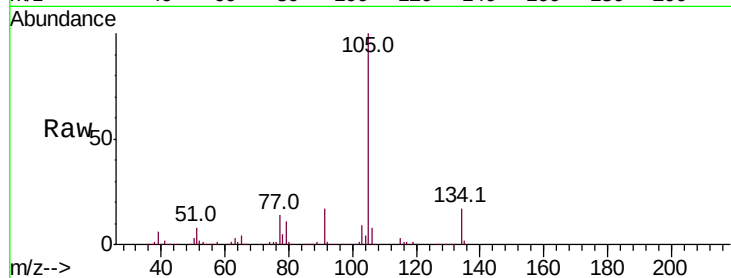
VSTDCCC050

Tot Ion:105 Resp: 1991315

Ion Ratio Lower Upper

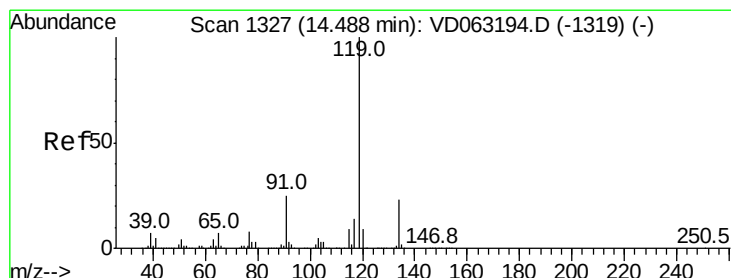
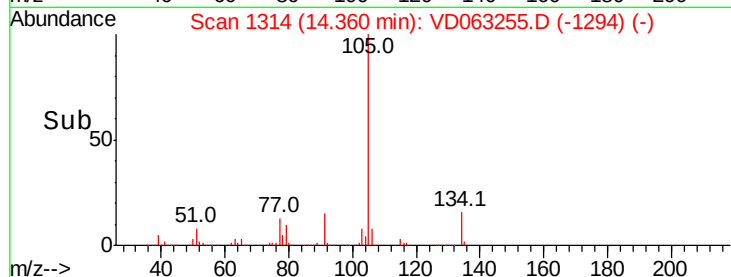
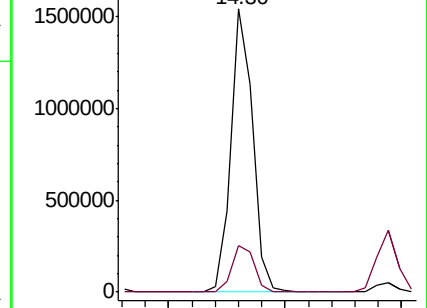
105 100

134 16.5 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: 47.622 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. -0.00 min

Lab File: VD063255.D

Acq: 30 Jul 2019 22:47

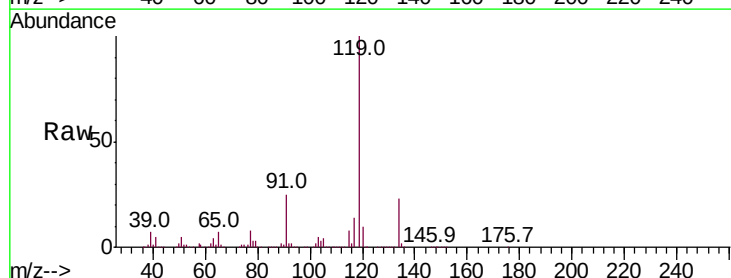
Tgt Ion:119 Resp: 1804668

Ion Ratio Lower Upper

119 100

134 23.3 11.5 34.5

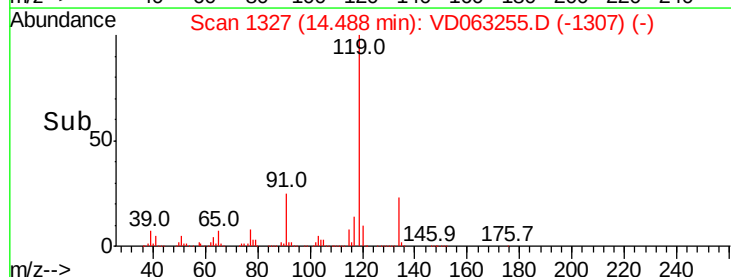
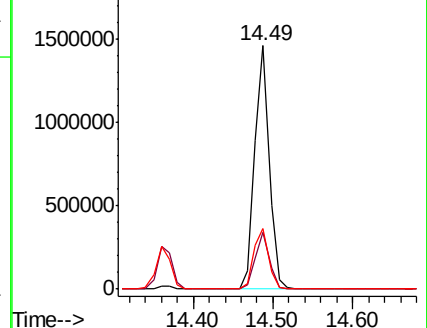
91 24.7 12.6 37.6

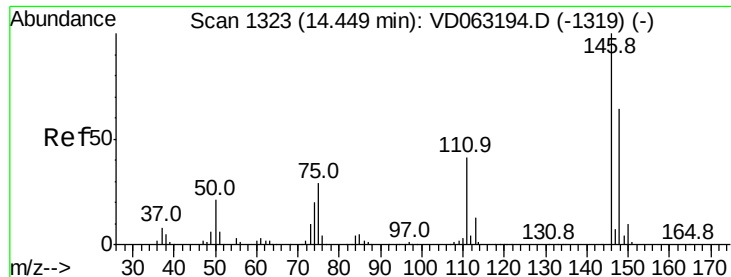


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V



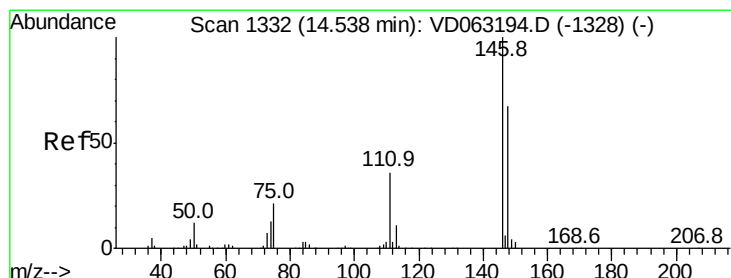
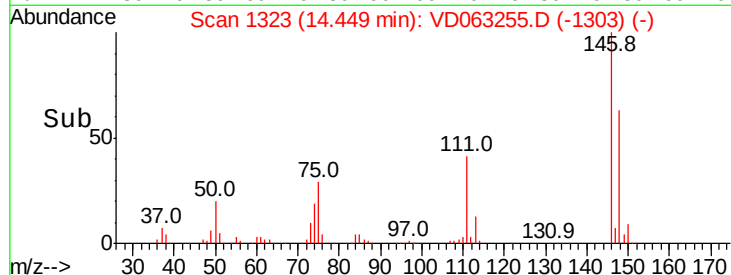
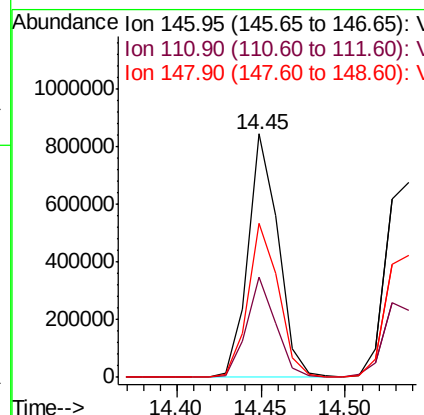
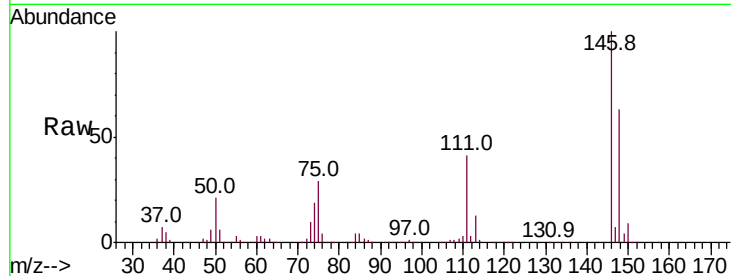


#87
 1,3-Dichlorobenzene
 Concen: 54.514 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VD063255.D
 Acq: 30 Jul 2019 22:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 1052371

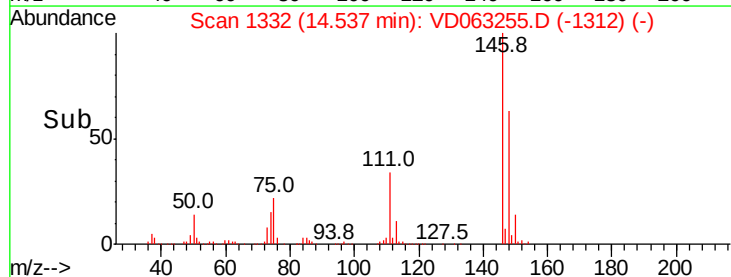
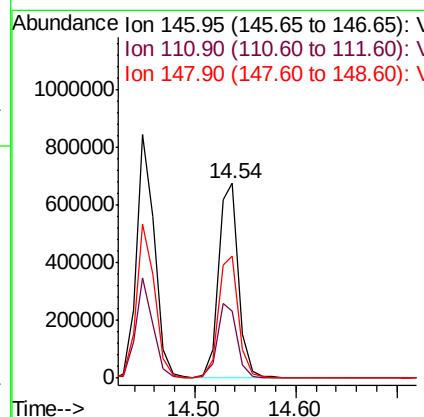
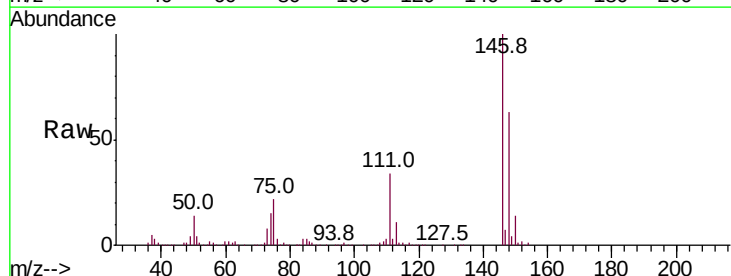
Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.4	61.3
148	63.1	31.8	95.4

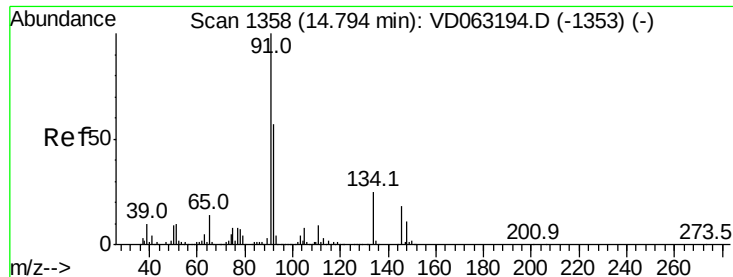


#88
 1,4-Dichlorobenzene
 Concen: 48.086 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD063255.D
 Acq: 30 Jul 2019 22:47

Tgt Ion:146 Resp: 938696

Ion	Ratio	Lower	Upper
146	100		
111	34.1	18.1	54.3
148	62.5	33.4	100.1

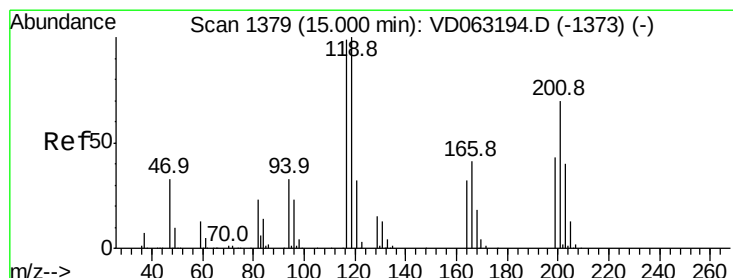
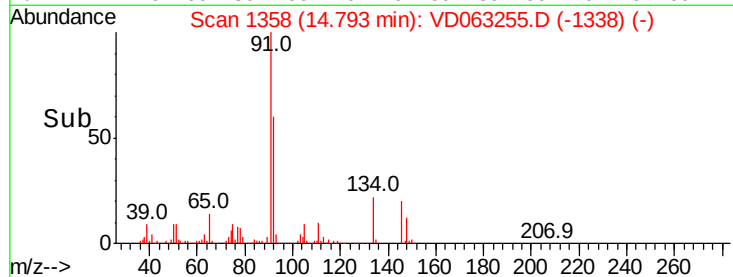
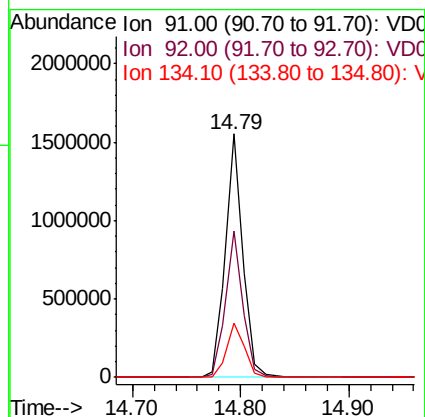
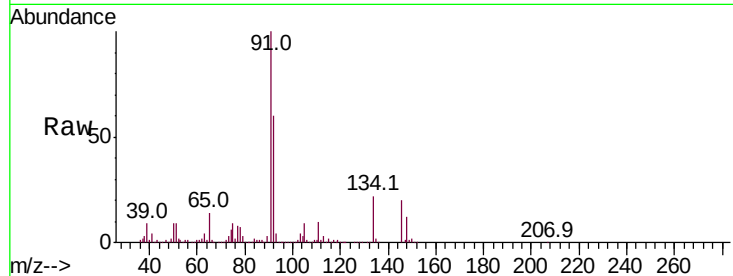




#89
n-Butylbenzene
Concen: 53.139 ug/l
RT: 14.79 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VD063255.D
Acq: 30 Jul 2019 22:47

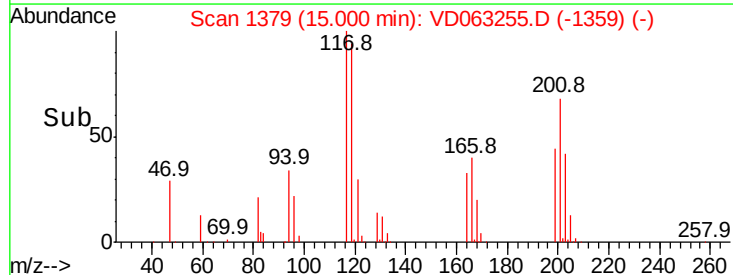
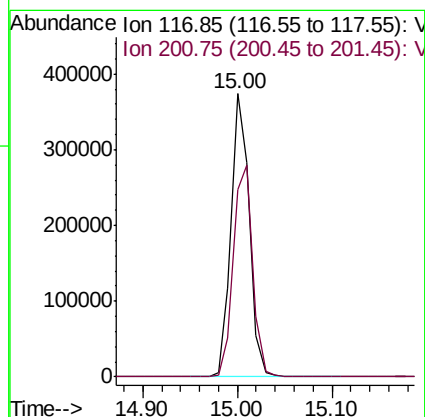
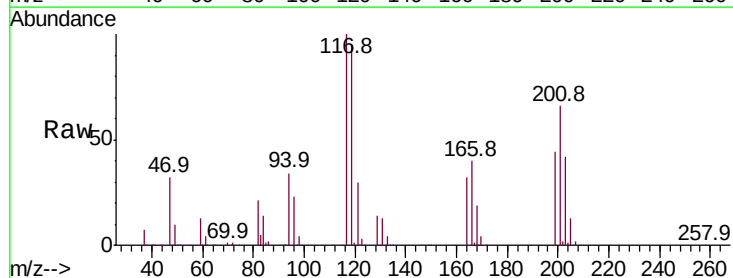
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

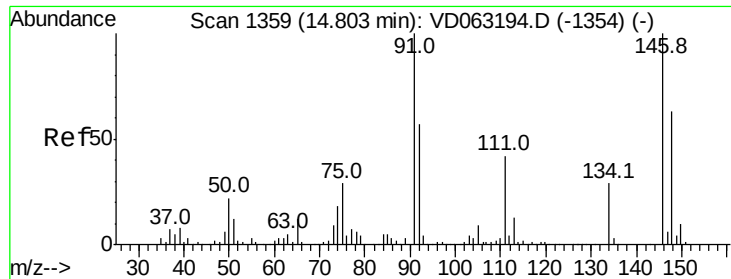
Tot Ion: 91 Resp: 1739228
Ion Ratio Lower Upper
91 100
92 60.2 28.3 85.0
134 22.4 12.3 36.8



#90
Hexachloroethane
Concen: 50.549 ug/l
RT: 15.00 min Scan# 1379
Delta R.T. -0.00 min
Lab File: VD063255.D
Acq: 30 Jul 2019 22:47

Tgt Ion: 117 Resp: 499078
Ion Ratio Lower Upper
117 100
201 66.3 35.2 105.6





#91

1,2-Dichlorobenzene

Concen: 52.685 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. -0.00 min

Lab File: VD063255.D

Acq: 30 Jul 2019 22:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

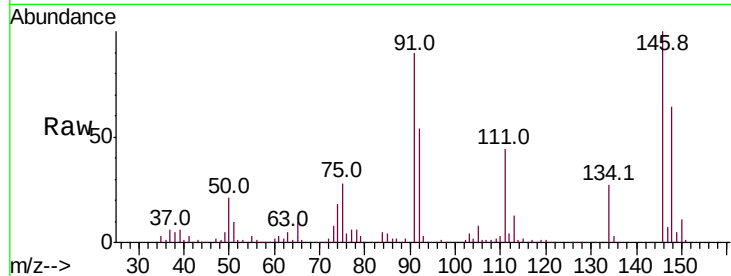
Tot Ion:146 Resp: 886146

Ion Ratio Lower Upper

146 100

111 43.5 21.1 63.3

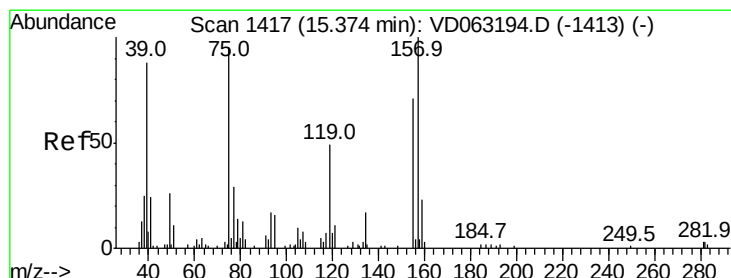
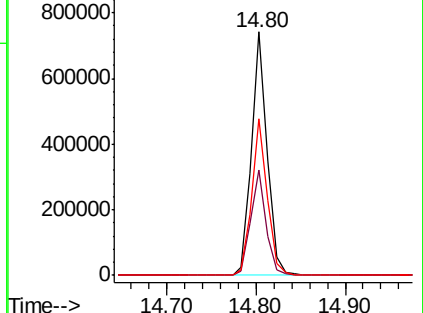
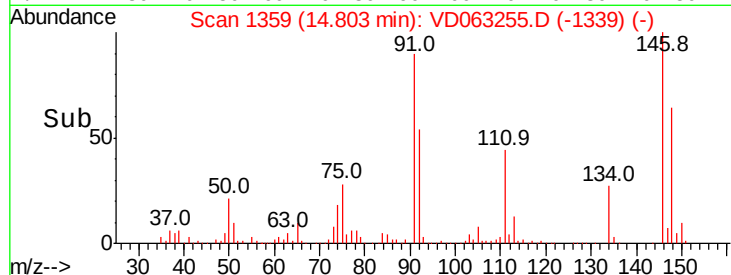
148 64.2 31.6 94.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 54.117 ug/l

RT: 15.37 min Scan# 1417

Delta R.T. -0.00 min

Lab File: VD063255.D

Acq: 30 Jul 2019 22:47

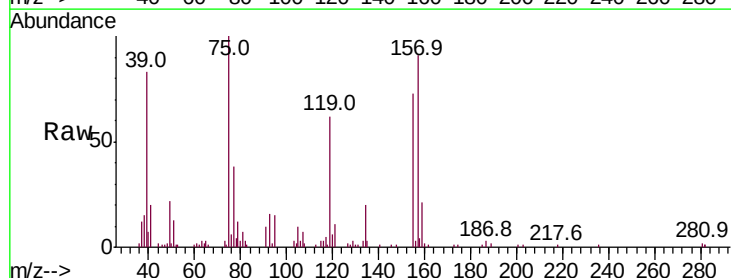
Tgt Ion: 75 Resp: 71653

Ion Ratio Lower Upper

75 100

155 73.0 37.0 111.0

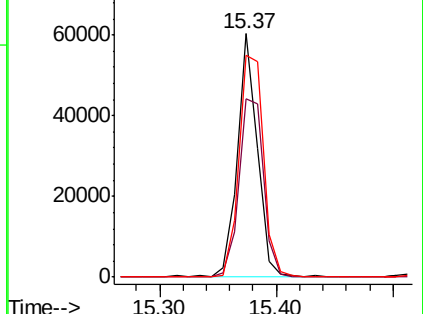
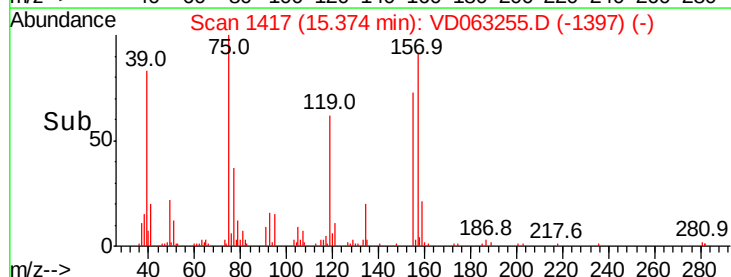
157 91.4 52.4 157.2

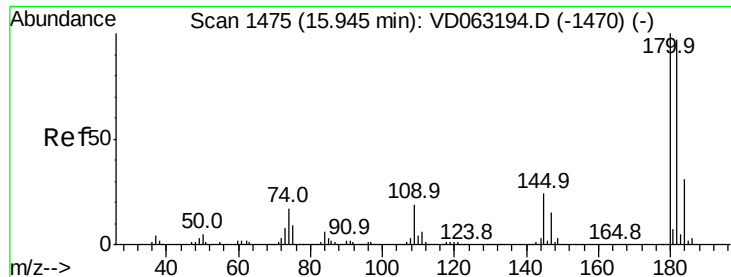


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

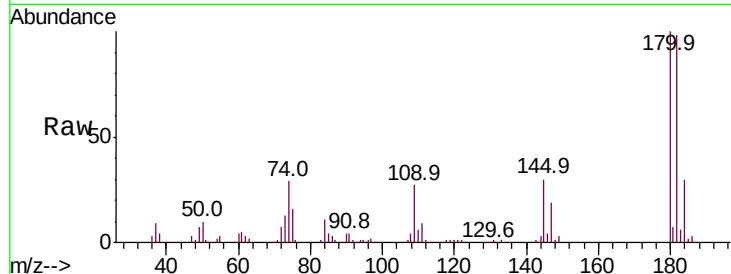




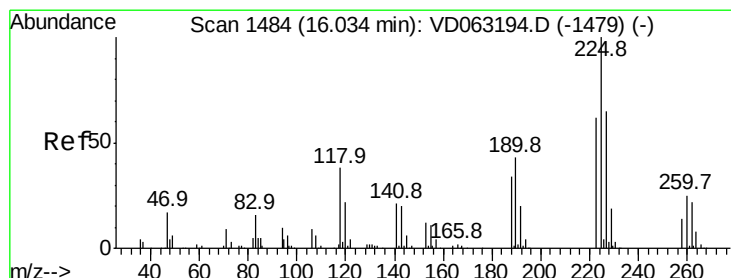
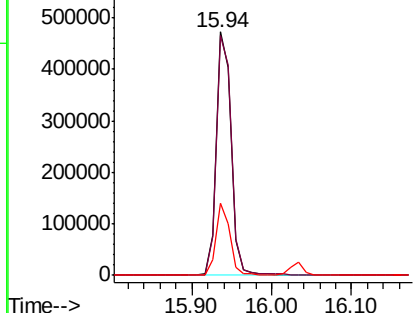
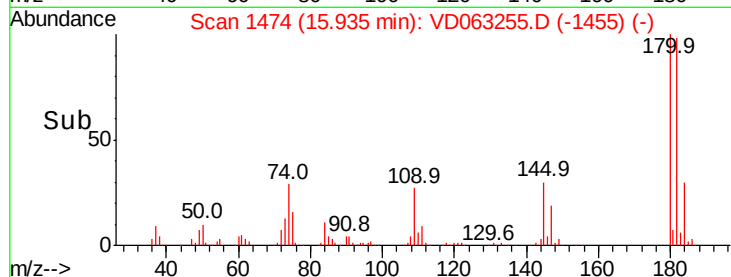
#93
 1,2,4-Trichlorobenzene
 Concen: 46.957 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD063255.D
 Acq: 30 Jul 2019 22:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.2	48.6	145.8
145	29.7	12.2	36.6

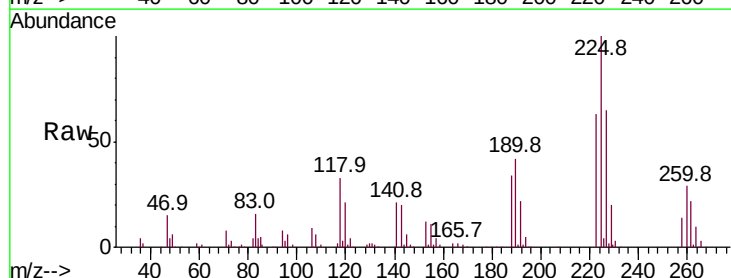


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

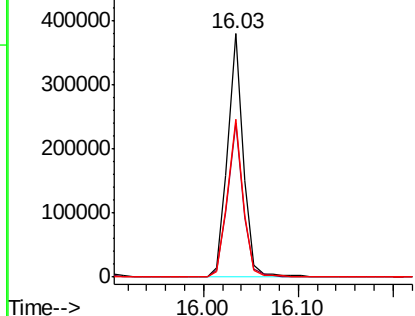
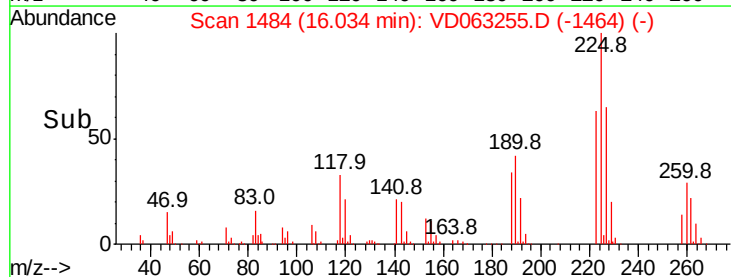


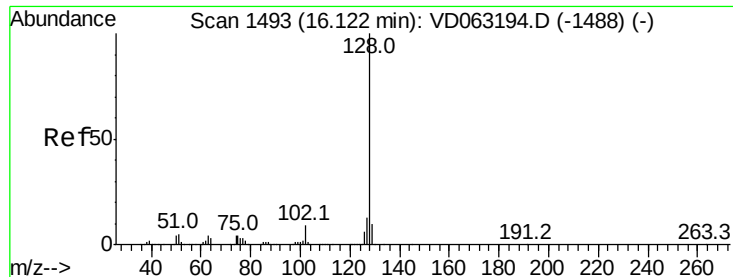
#94
 Hexachlorobutadiene
 Concen: 45.255 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD063255.D
 Acq: 30 Jul 2019 22:47

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	30.9	92.5
227	64.8	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

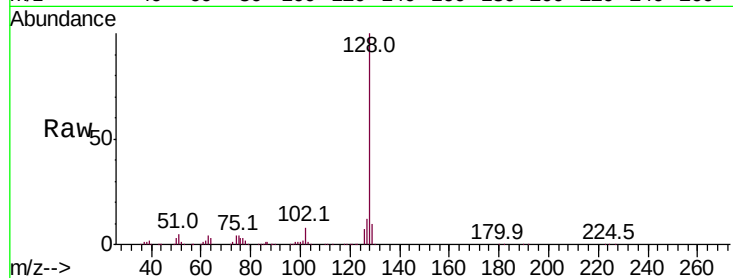




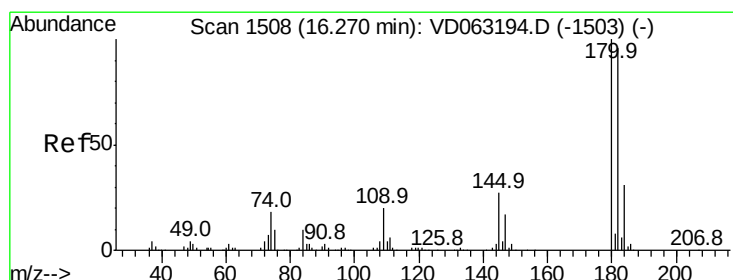
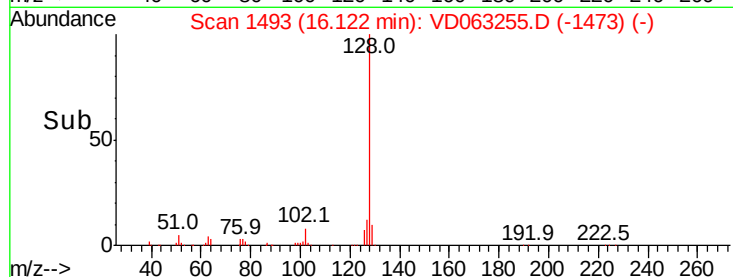
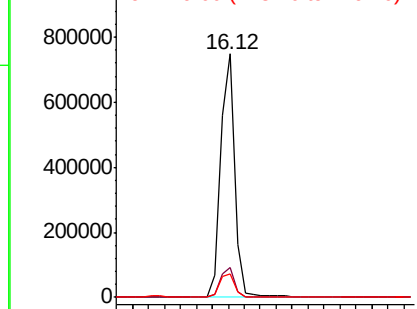
#95
Naphthalene
Concen: 49.947 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD063255.D
Acq: 30 Jul 2019 22:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 941963
Ion Ratio Lower Upper
128 100
127 12.4 10.2 15.4
129 9.7 7.8 11.8

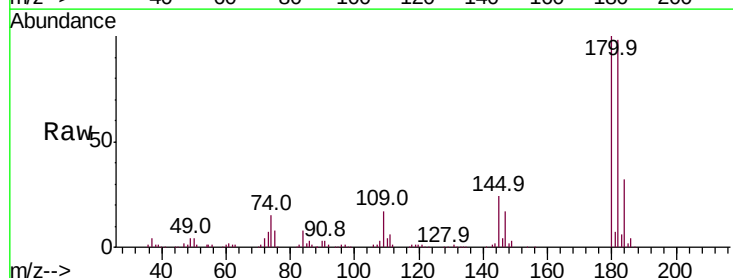


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 45.490 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD063255.D
Acq: 30 Jul 2019 22:47

Tgt Ion:180 Resp: 479510
Ion Ratio Lower Upper
180 100
182 97.5 48.3 144.9
145 23.6 13.6 40.7



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

