

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 04:58:39 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

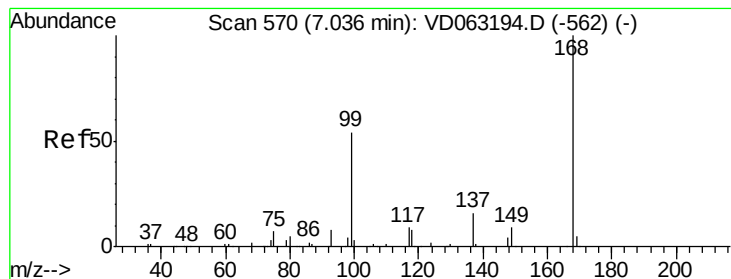
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD073019\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	626558	46.957	ug/l	97
94) Hexachlorobutadiene	16.03	225	437601	45.255	ug/l	99
95) Naphthalene	16.12	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 :

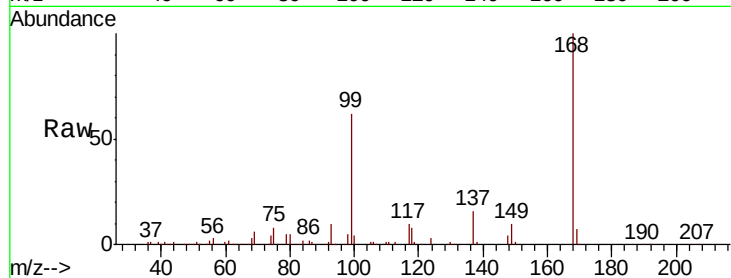
VSTDCCC050

Tot Ion:168 Resp: 1008585

Ion Ratio Lower Upper

168 100

99 62.4 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

400000

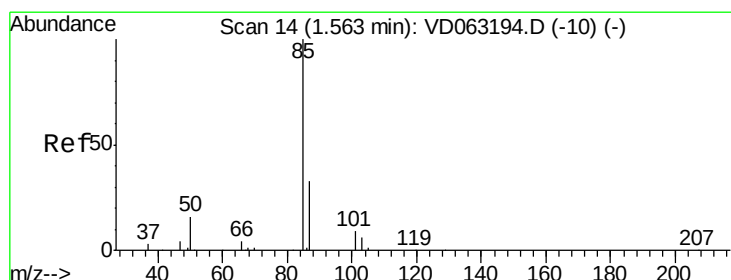
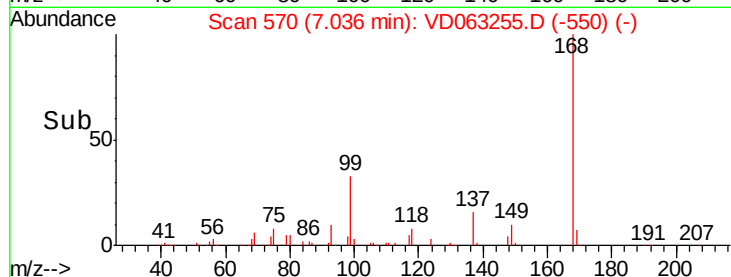
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 43.949 ug/l

RT: 1.56 min Scan# 14

Delta R.T. -0.00 min

Lab File: VD063255.D

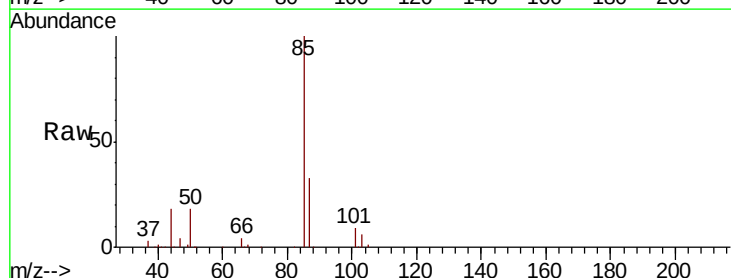
Acq: 30 Jul 2019 22:47

Tgt Ion: 85 Resp: 541826

Ion Ratio Lower Upper

85 100

87 33.5 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

300000

250000

200000

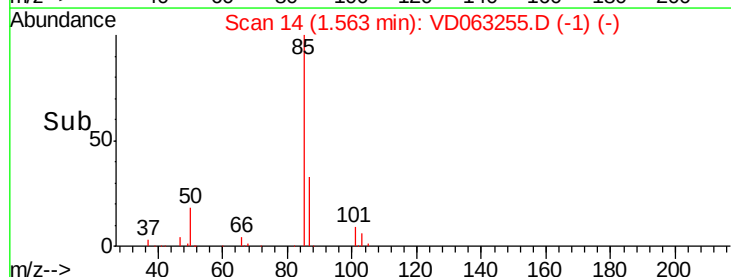
150000

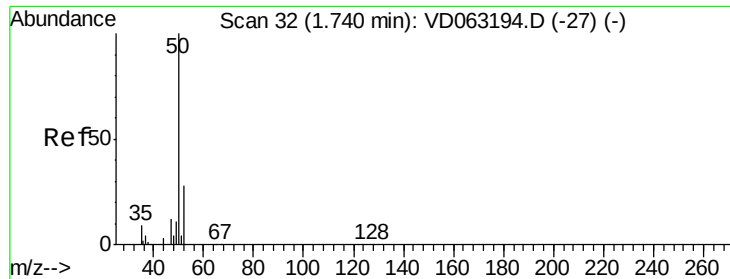
100000

50000

0

Time-->





#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 :

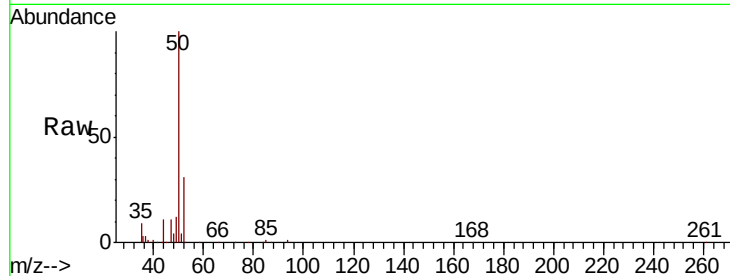
VSTDCCC050

Tot Ion: 50 Resp: 474974

Ion Ratio Lower Upper

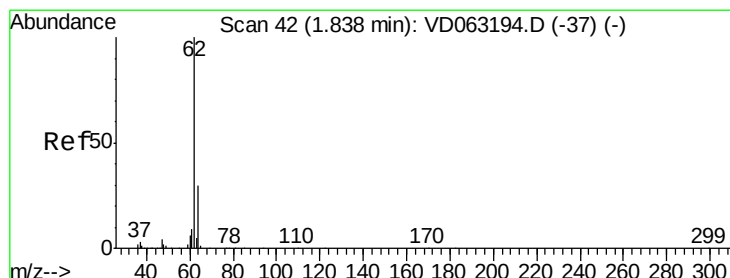
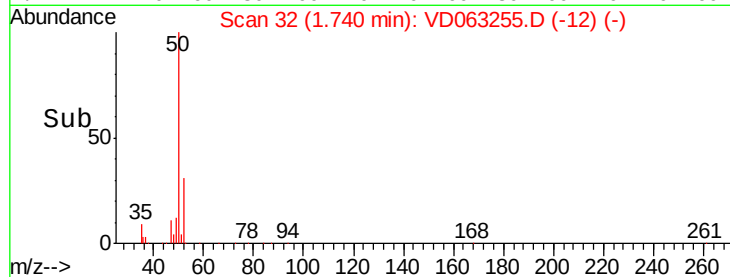
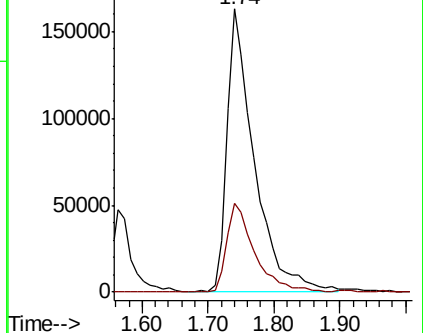
50 100

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



#4

Vinyl Chloride

Concen: 46.746 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.00 min

Lab File: VD063255.D

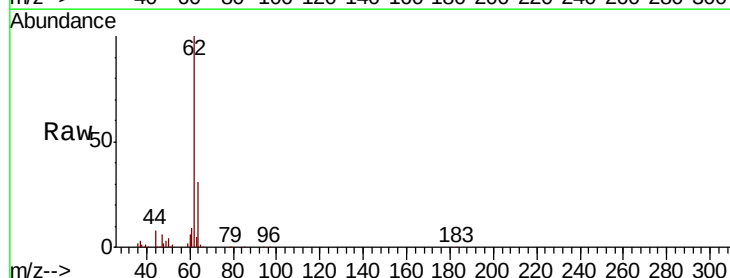
Acq: 30 Jul 2019 22:47

Tgt Ion: 62 Resp: 463536

Ion Ratio Lower Upper

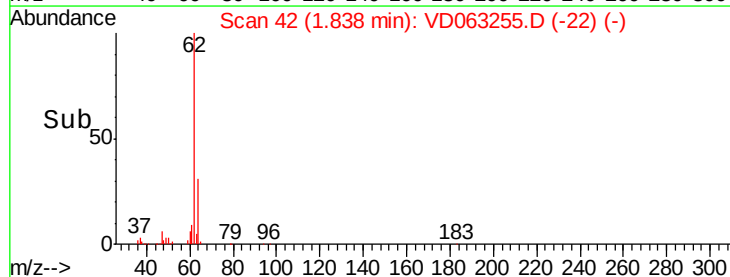
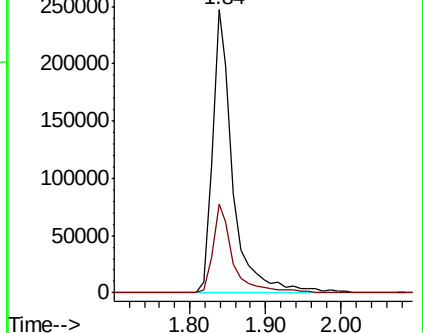
62 100

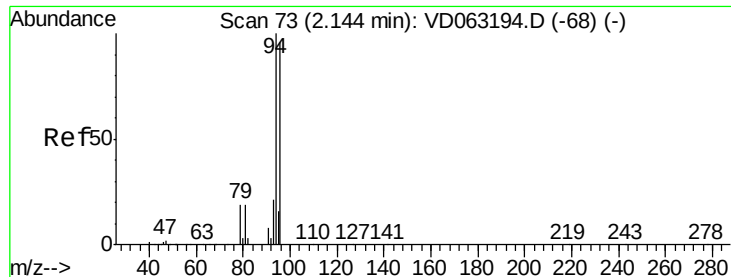
64 31.2 24.1 36.1



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#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 :

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ClientSampleId :

VSTDCCC050

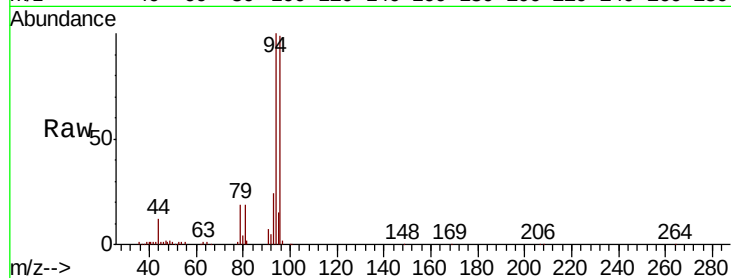
Tot Ion: 94 Resp: 223682

Ion Ratio Lower Upper

94 100

96 98.6 76.4 114.6

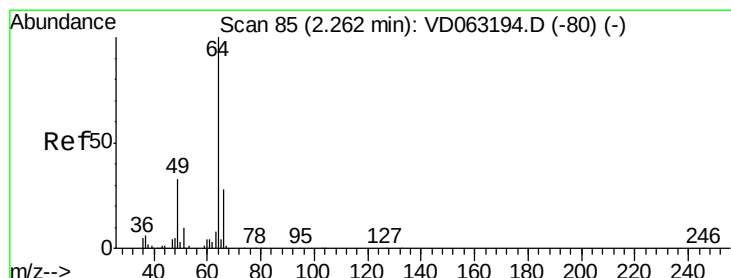
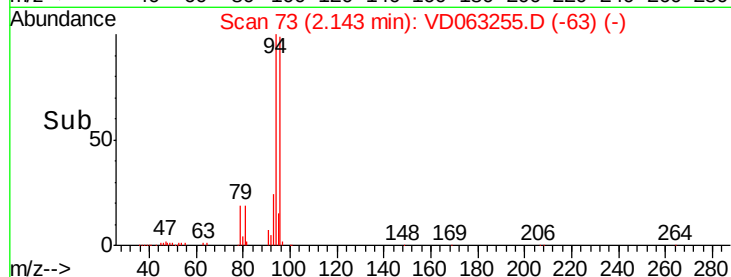
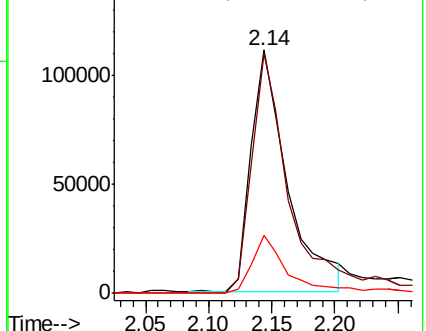
93 23.7 17.3 25.9



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

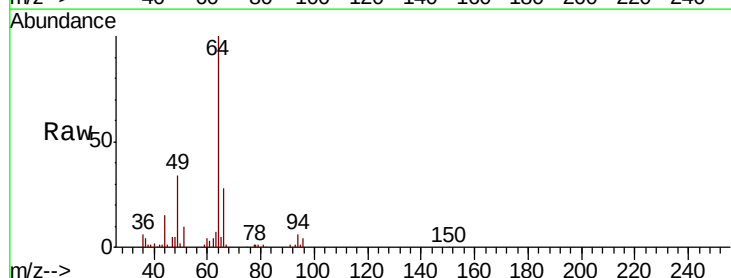
Acq: 30 Jul 2019 22:47

Tgt Ion: 64 Resp: 229056

Ion Ratio Lower Upper

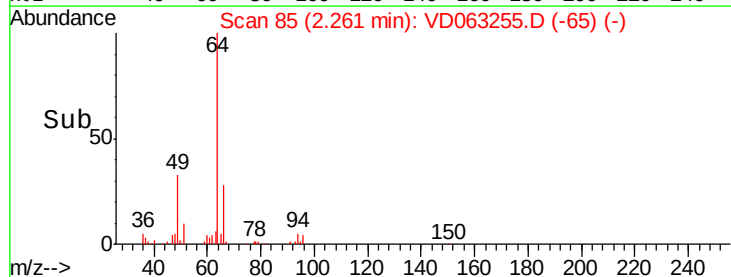
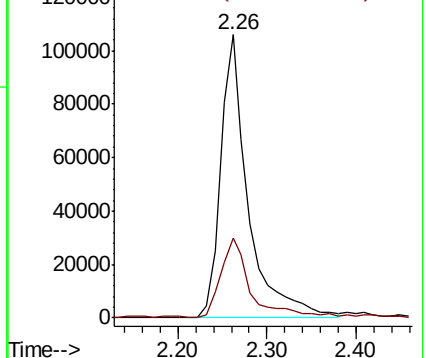
64 100

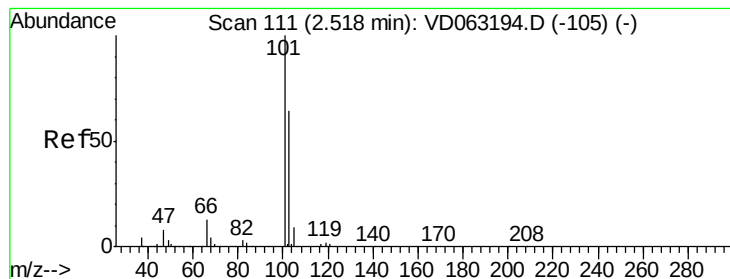
66 28.2 22.2 33.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



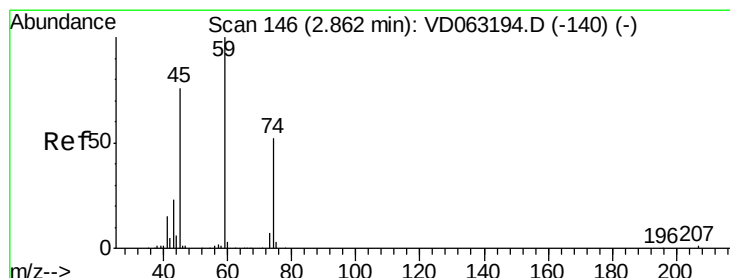
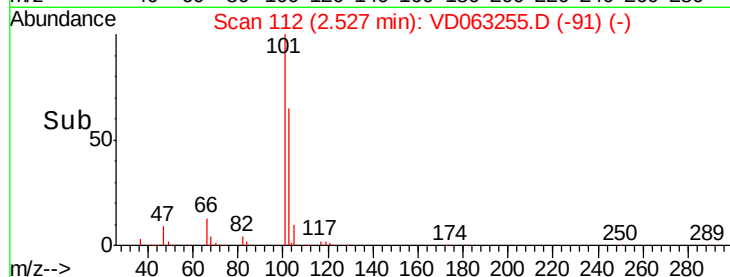
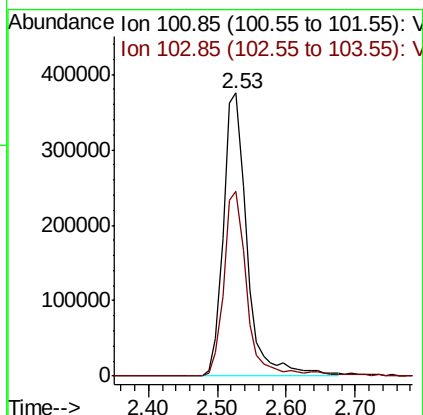
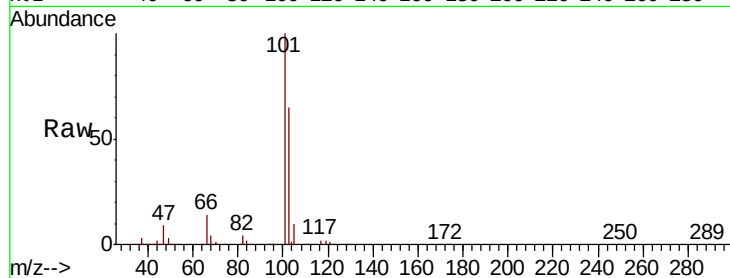


#7

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

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

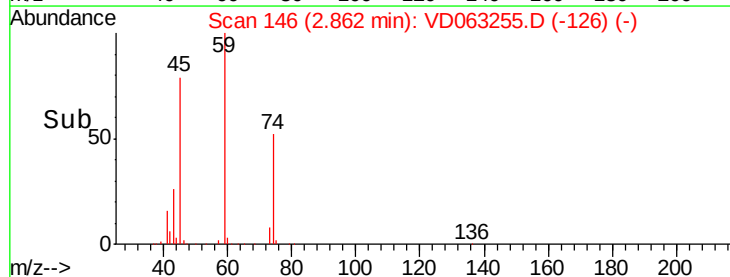
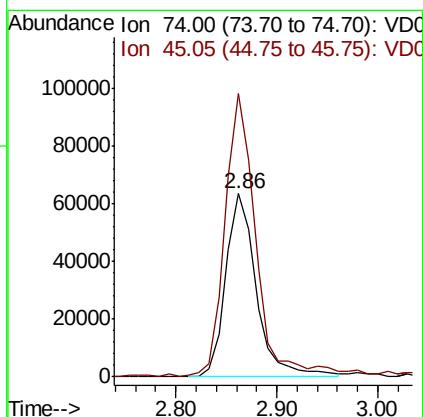
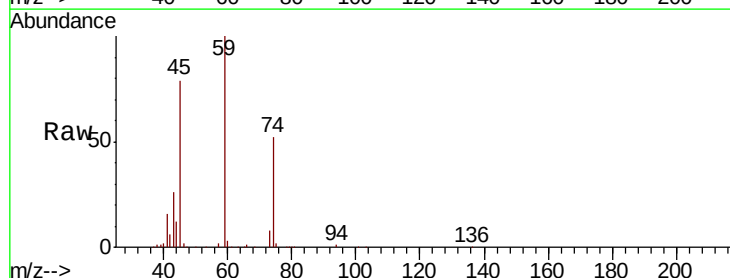
Tot Ion:101 Resp: 895909
 Ion Ratio Lower Upper
 101 100
 103 65.4 51.5 77.3

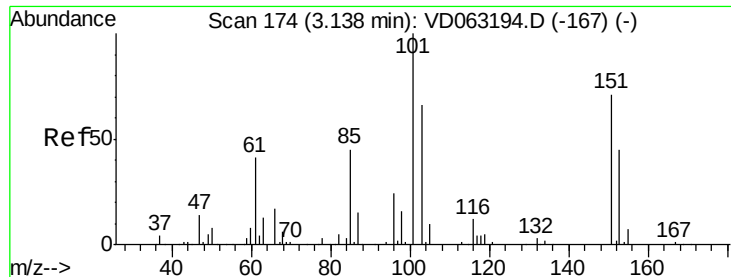


#8

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

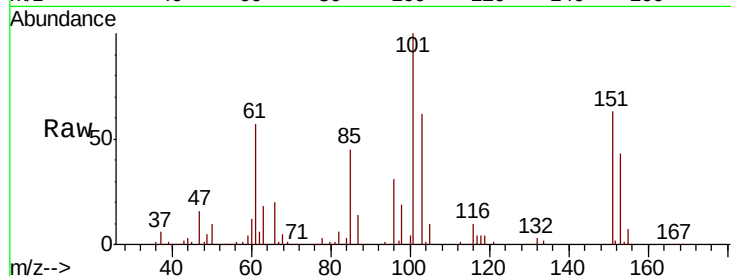
Tot Ion:101 Resp: 515651

Ion Ratio Lower Upper

101 100

85 45.2 36.1 54.1

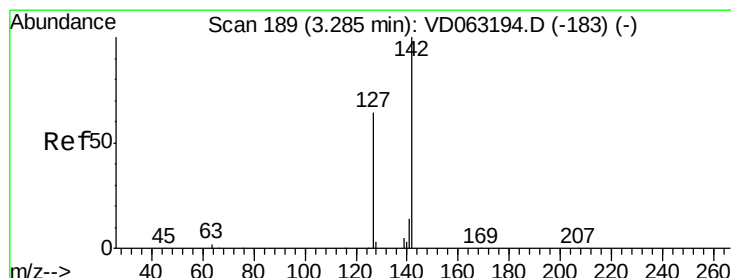
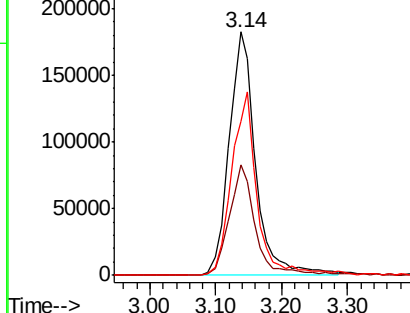
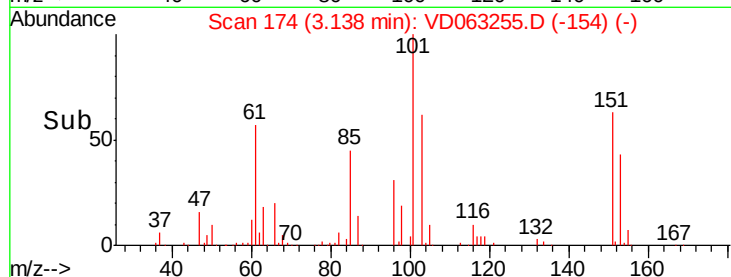
151 63.0 57.1 85.7



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

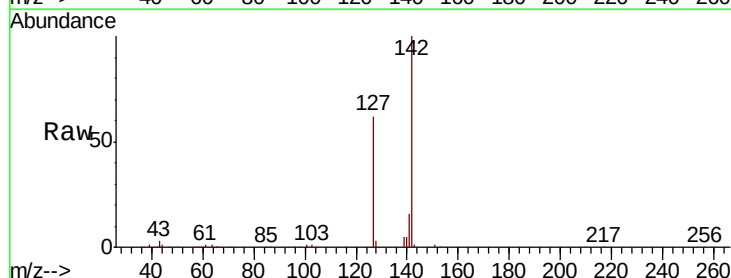
Tgt Ion:142 Resp: 761868

Ion Ratio Lower Upper

142 100

127 61.6 50.8 76.2

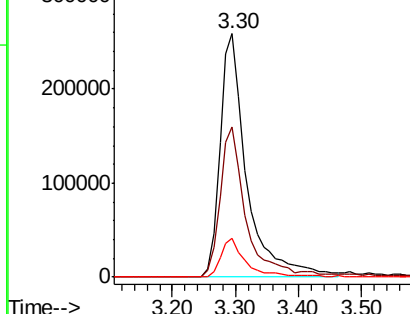
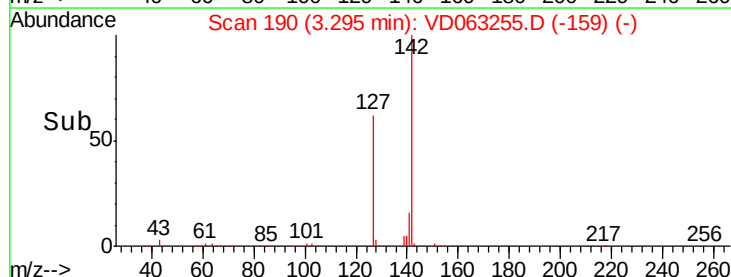
141 16.2 11.4 17.2

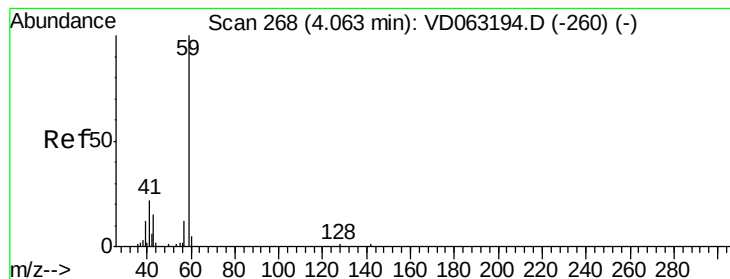


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



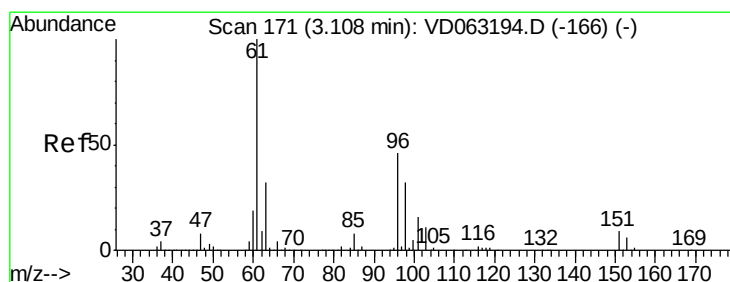
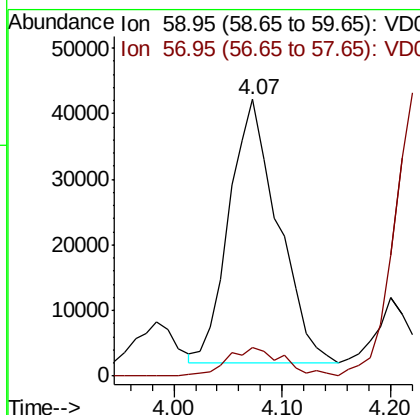
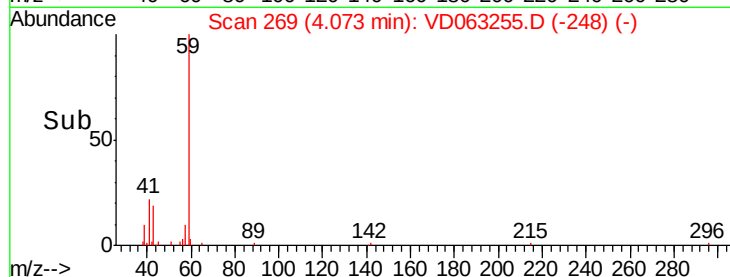
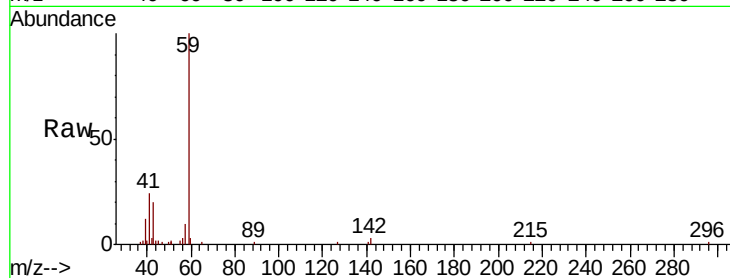


#11

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

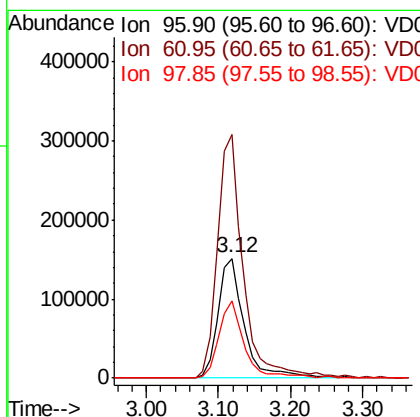
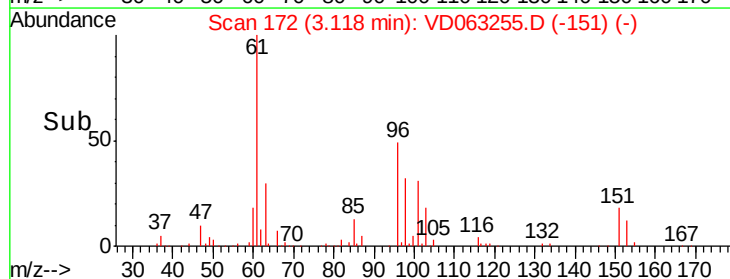
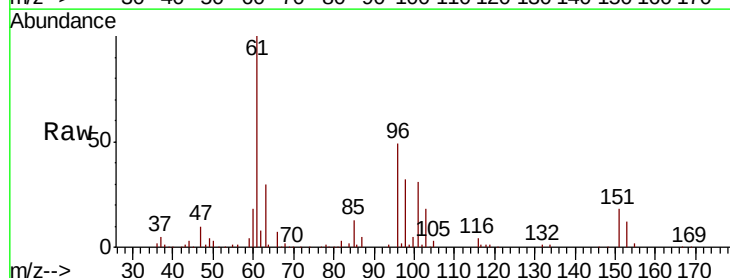
Tot Ion: 59 Resp: 125344
 Ion Ratio Lower Upper
 59 100
 57 10.5 9.6 14.4

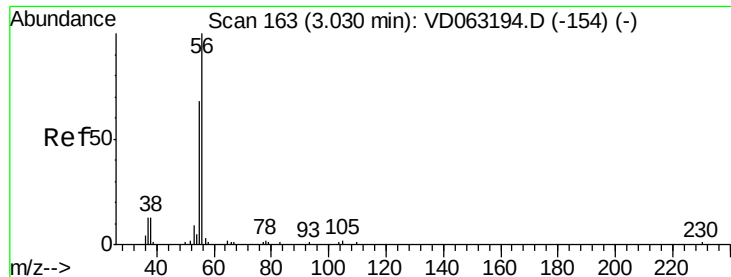


#12

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 :

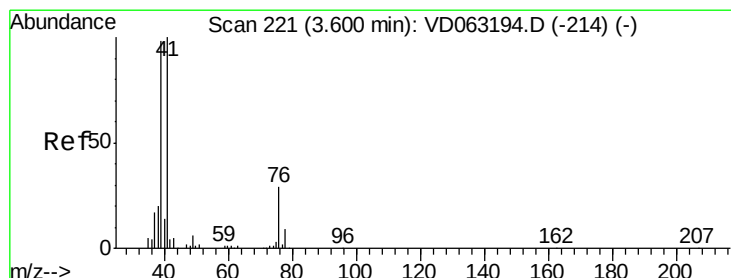
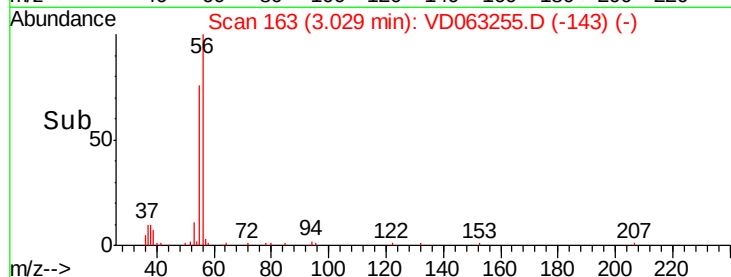
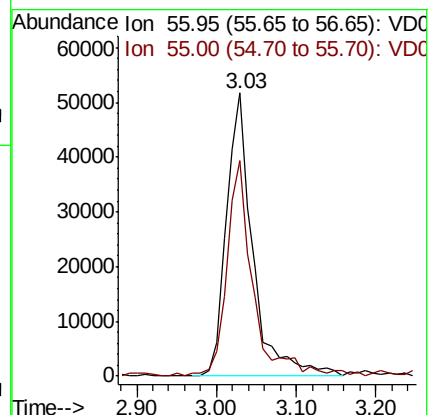
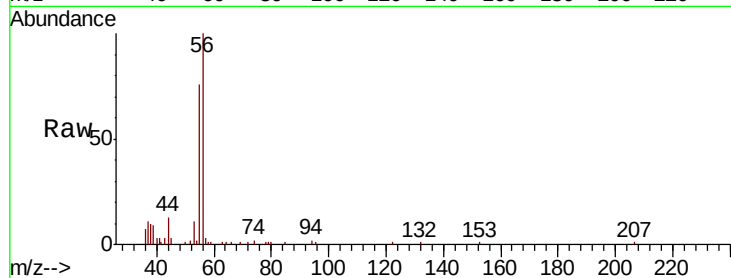
VSTDCCC050

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

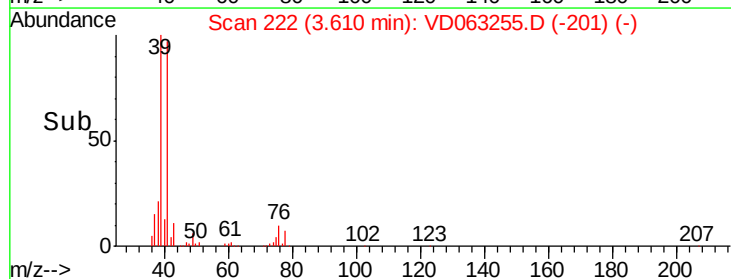
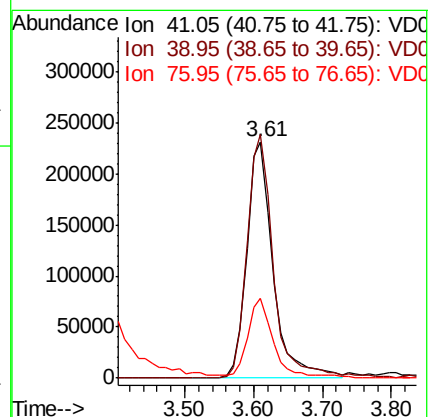
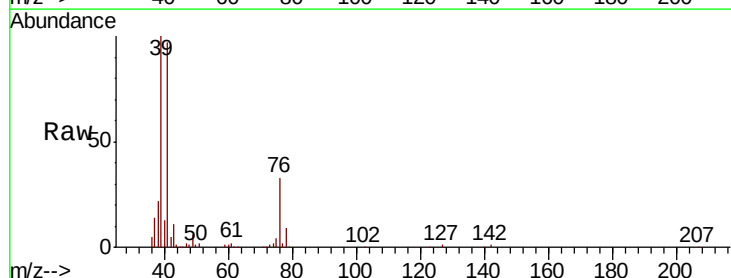
Tgt Ion: 41 Resp: 611672

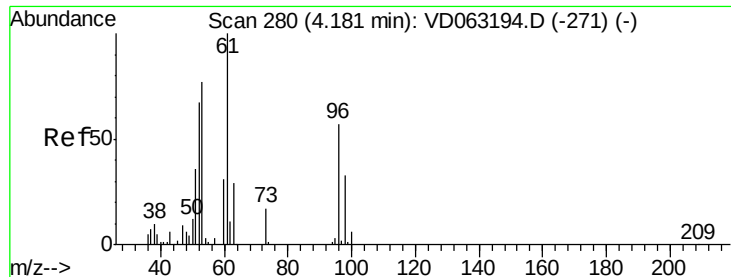
Ion Ratio Lower Upper

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

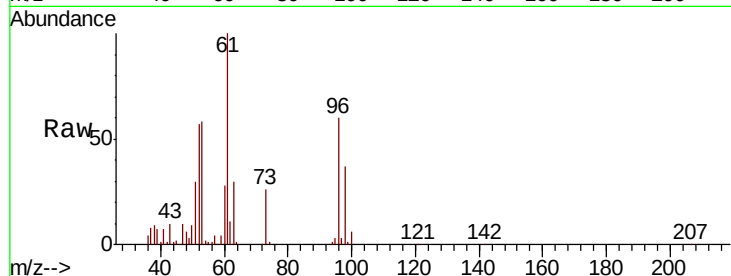
Tot Ion: 53 Resp: 320666

Ion Ratio Lower Upper

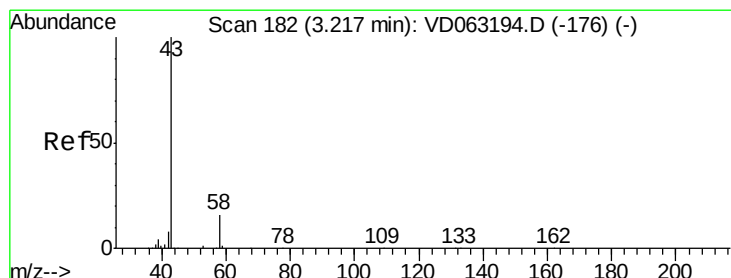
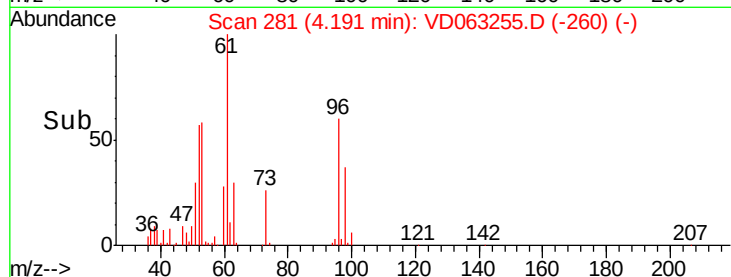
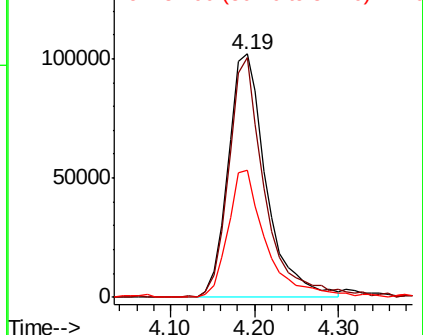
53 100

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

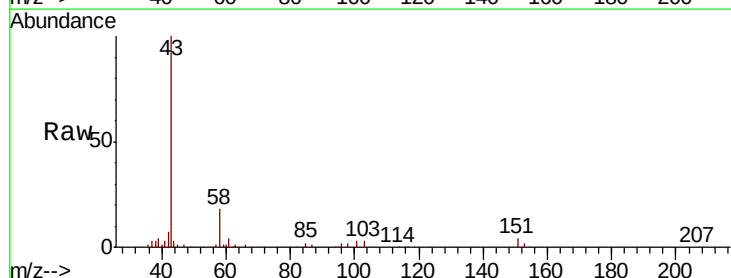
Acq: 30 Jul 2019 22:47

Tgt Ion: 43 Resp: 533121

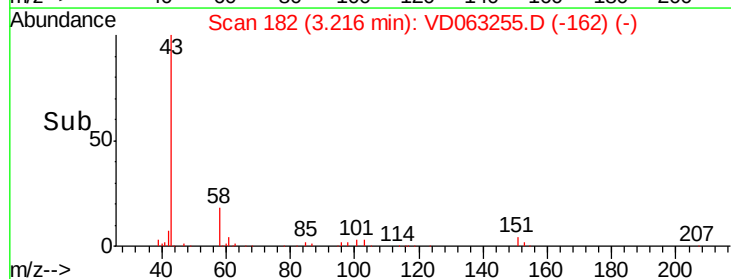
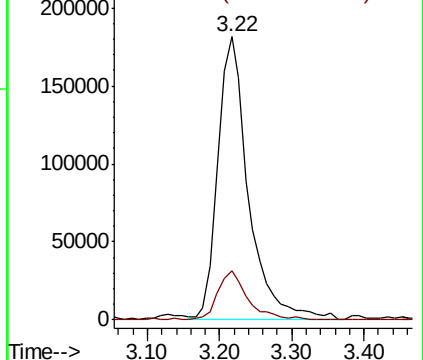
Ion Ratio Lower Upper

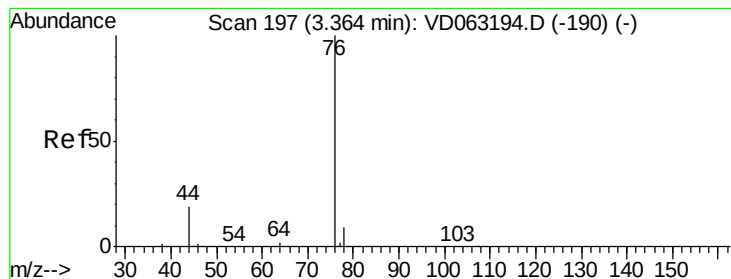
43 100

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 :

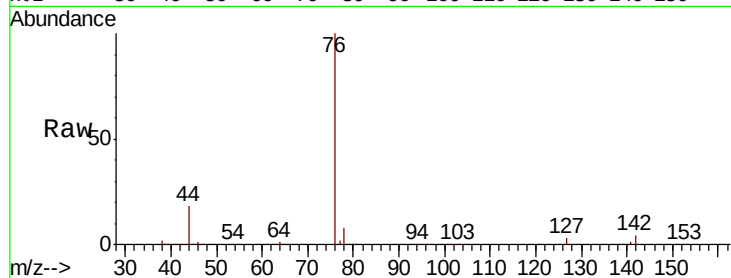
VSTDCCC050

Tot Ion: 76 Resp: 1266054

Ion Ratio Lower Upper

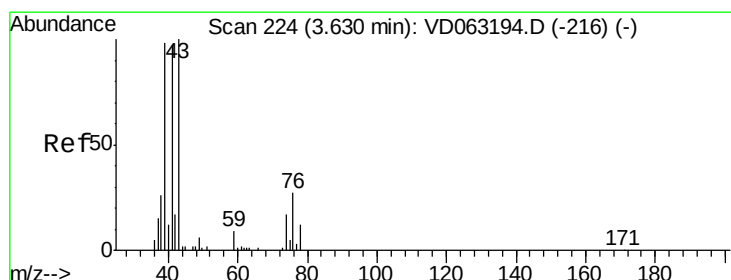
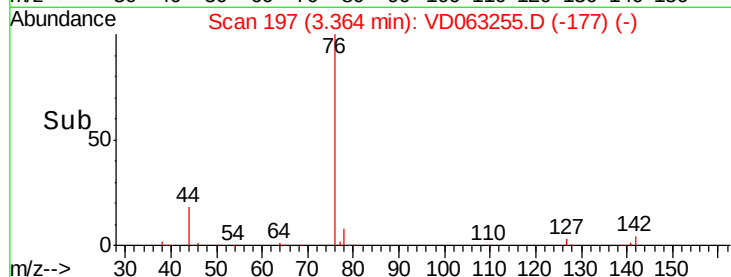
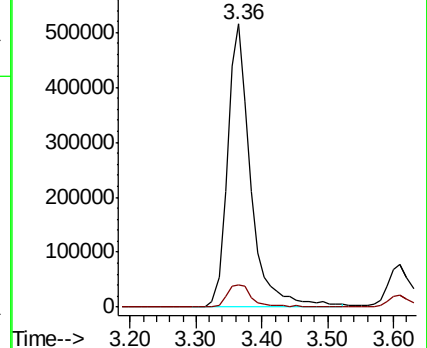
76 100

78 7.9 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 53.914 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.01 min

Lab File: VD063255.D

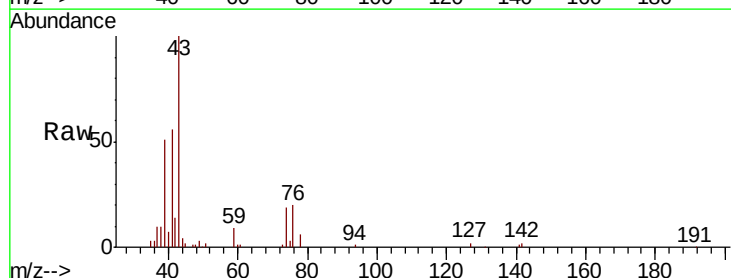
Acq: 30 Jul 2019 22:47

Tgt Ion: 43 Resp: 225811

Ion Ratio Lower Upper

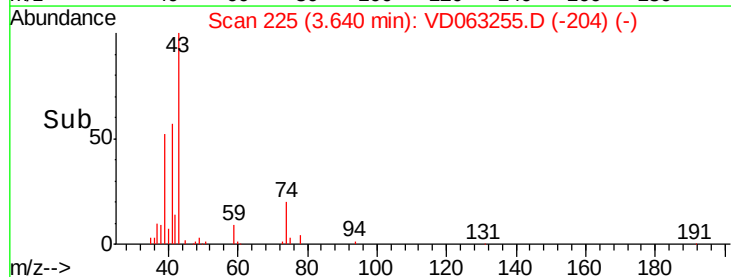
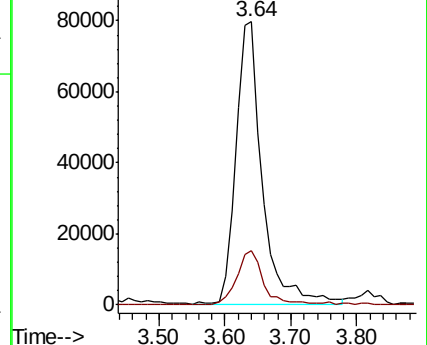
43 100

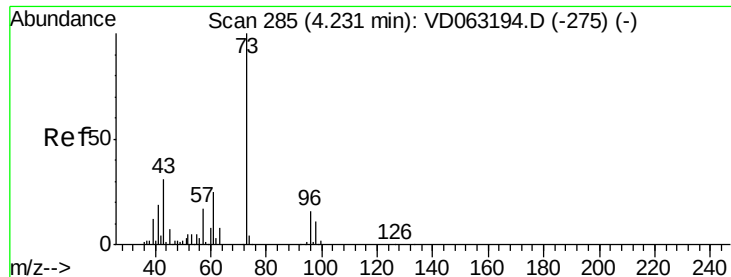
74 19.4 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



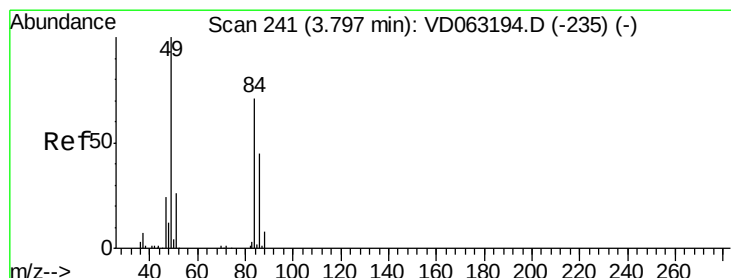
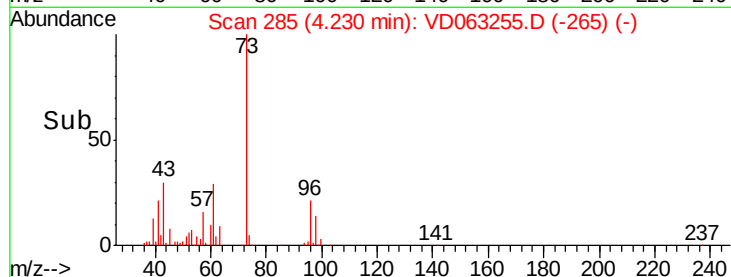
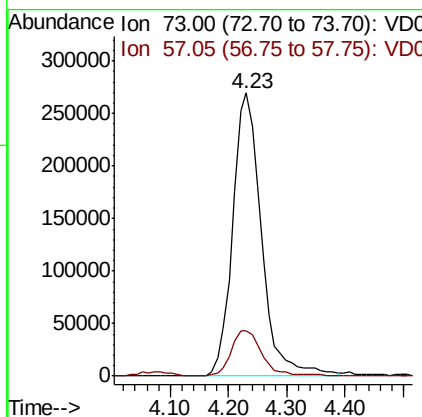
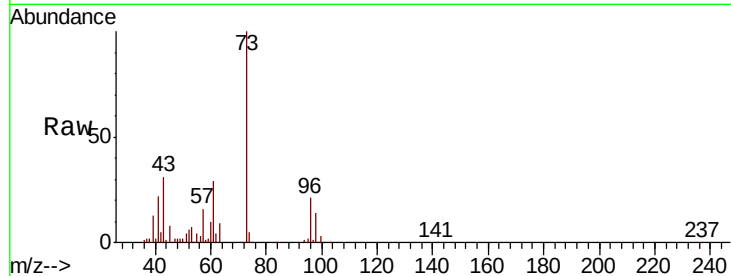


#19

Methvl 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

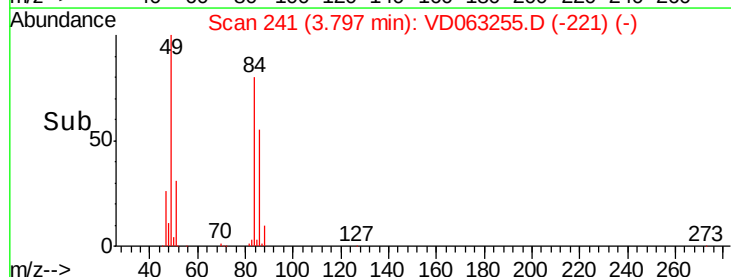
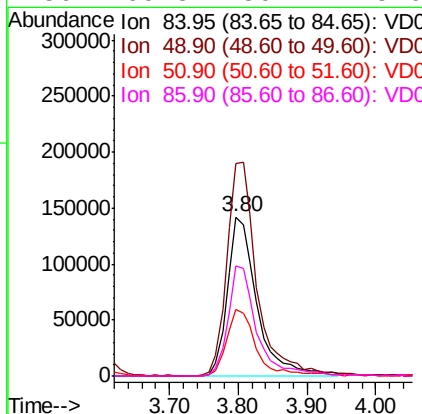
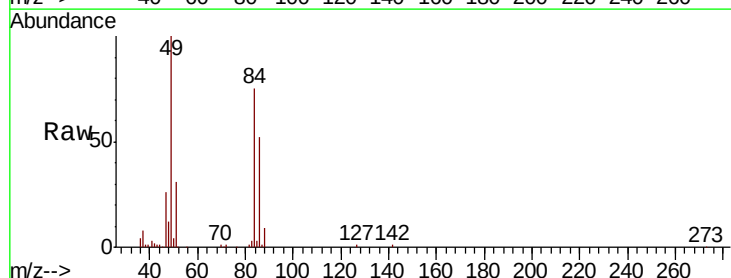
Tot Ion: 73 Resp: 925324
 Ion Ratio Lower Upper
 73 100
 57 16.2 13.8 20.6

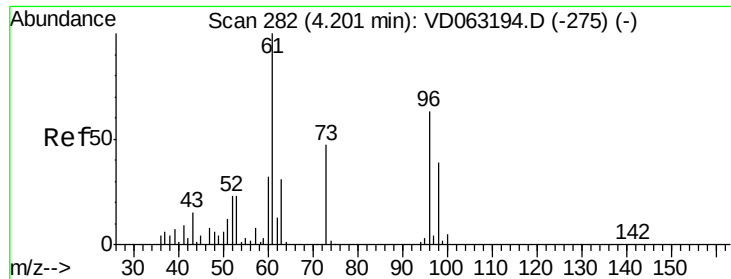


#20

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

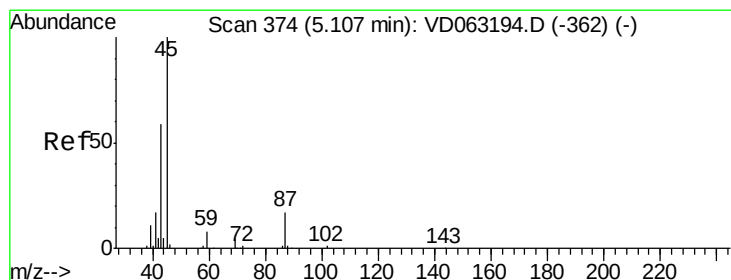
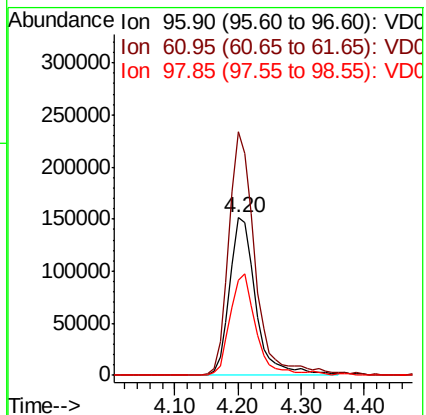
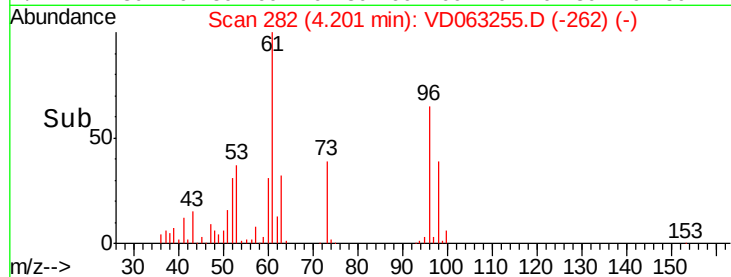
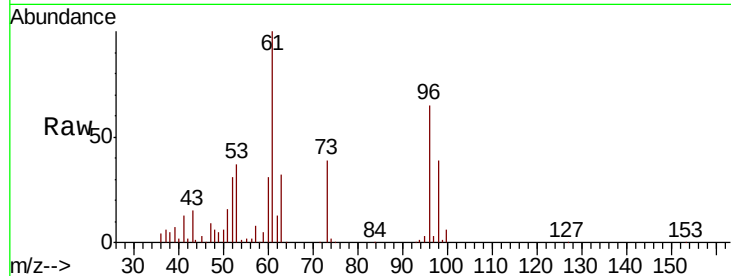
Tot Ion: 96 Resp: 434066

Ion Ratio Lower Upper

96 100

61 154.5 127.4 191.2

98 60.0 49.3 73.9



#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

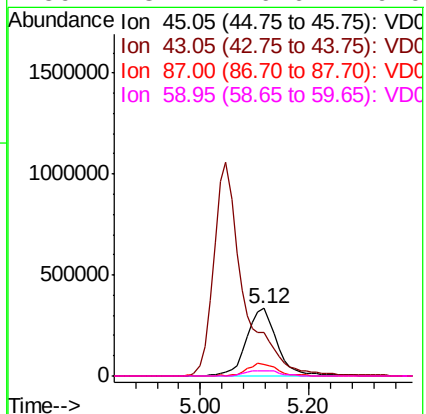
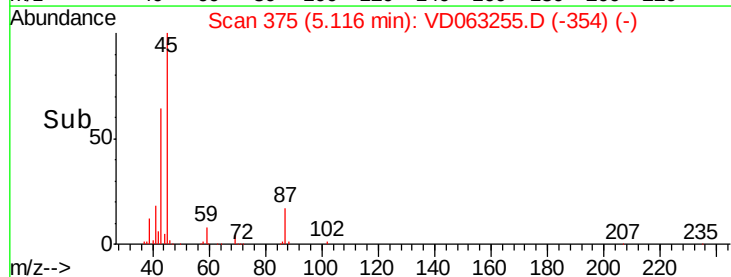
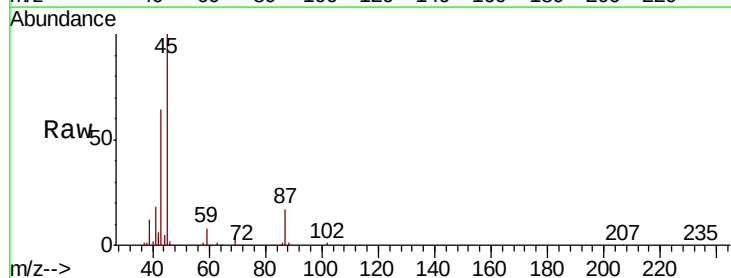
Ion Ratio Lower Upper

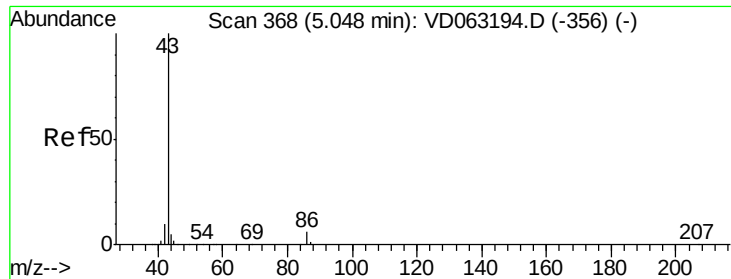
45 100

43 63.6 51.7 77.5

87 17.3 14.6 21.8

59 8.2 6.6 10.0





#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 :

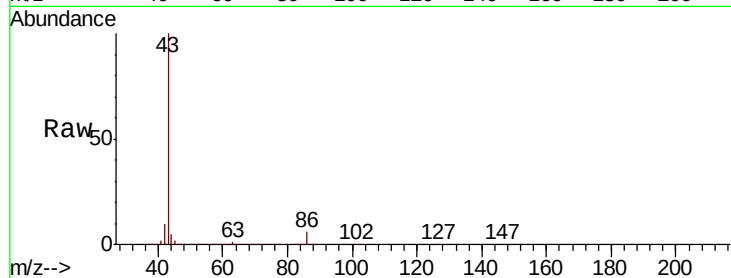
VSTDCCC050

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

5.05

1200000

1000000

800000

600000

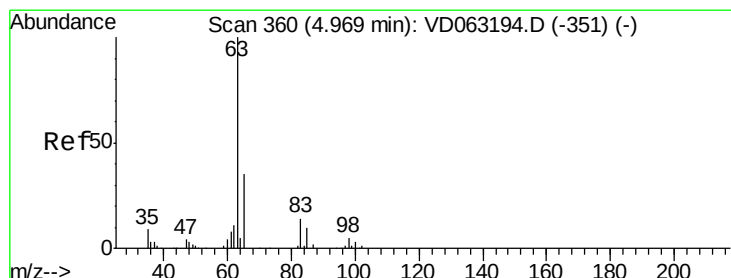
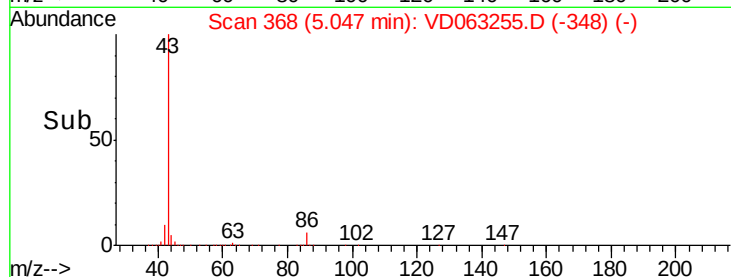
400000

200000

0

Time-->

4.90 5.00 5.10 5.20



#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

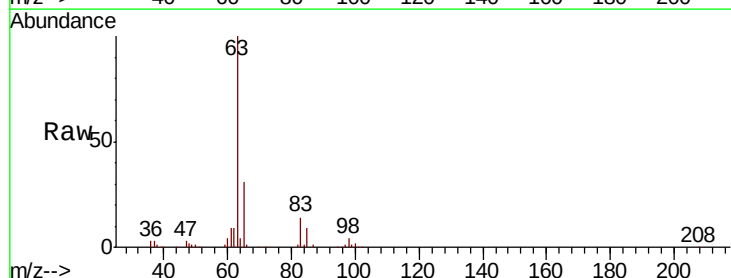
Tgt Ion: 63 Resp: 820919

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

4.97

300000

250000

200000

150000

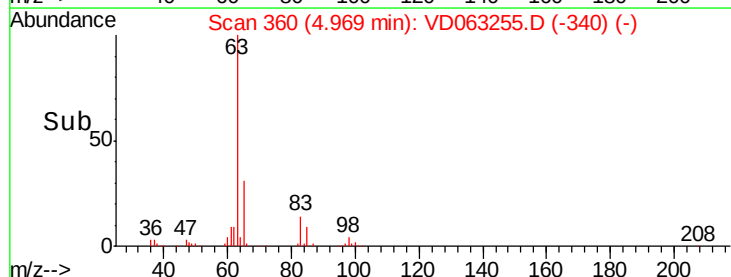
100000

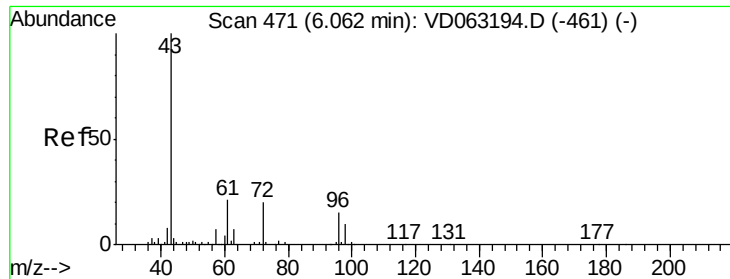
50000

0

Time-->

4.80 4.90 5.00 5.10 5.20





#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 :

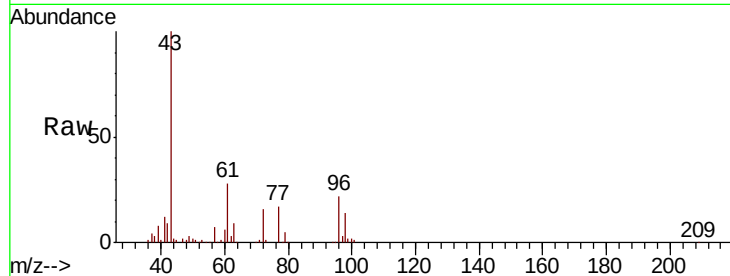
VSTDCCC050

Tot Ion: 43 Resp: 574392

Ion Ratio Lower Upper

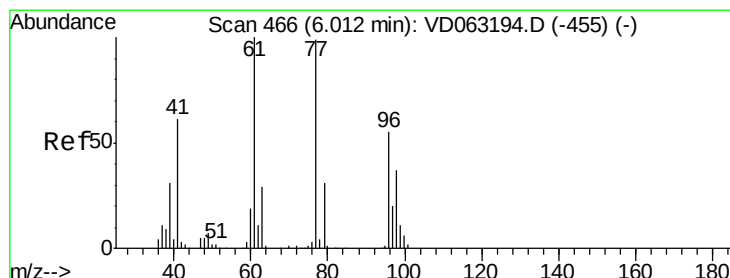
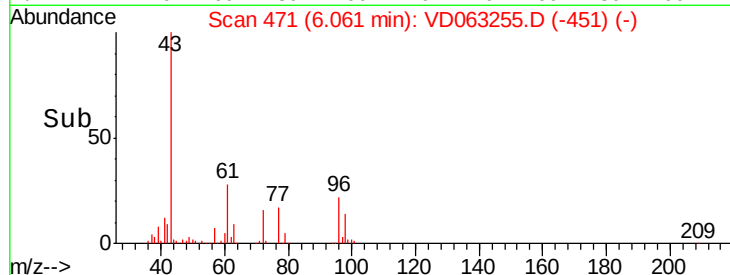
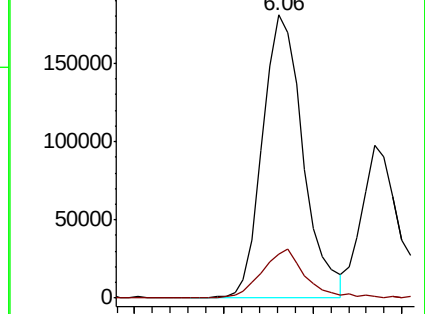
43 100

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

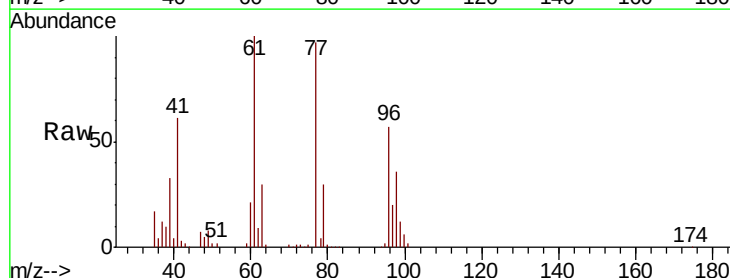
Acq: 30 Jul 2019 22:47

Tgt Ion: 77 Resp: 778529

Ion Ratio Lower Upper

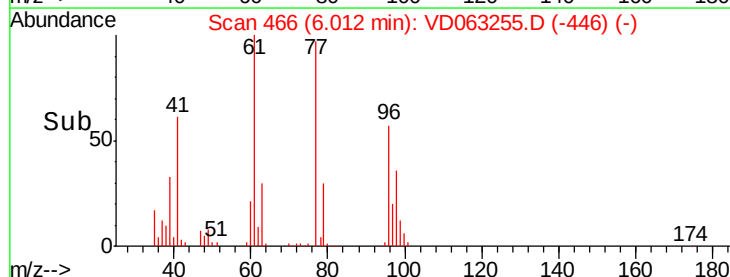
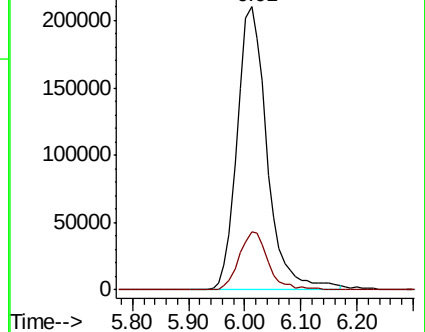
77 100

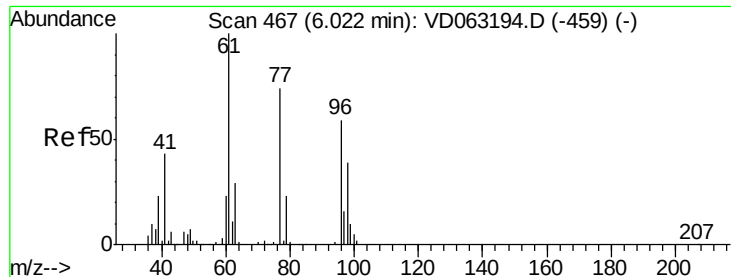
97 20.4 10.2 30.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



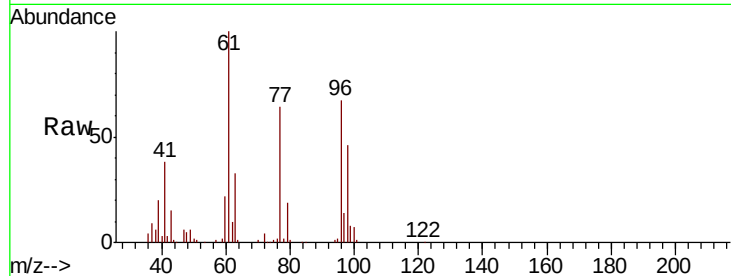


#27

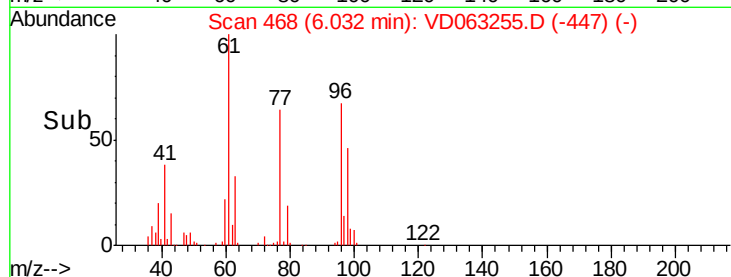
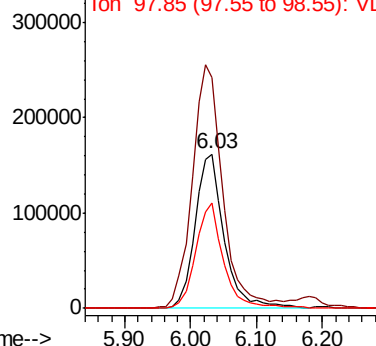
cis-1,2-Dichloroethene
Concen: 52.921 ug/l
RT: 6.03 min Scan# 468
Delta R.T. 0.01 min
Lab File: VD063255.D
Acq: 30 Jul 2019 22:47

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



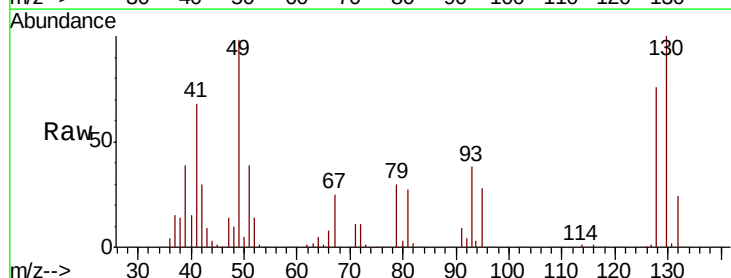
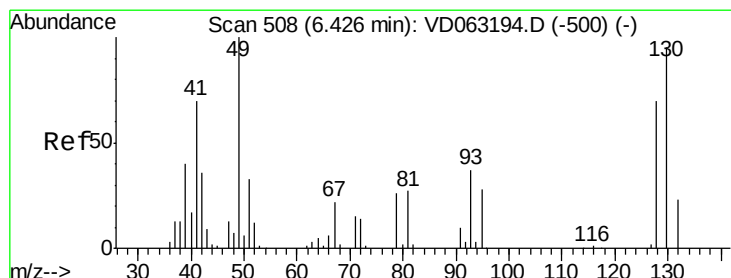
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



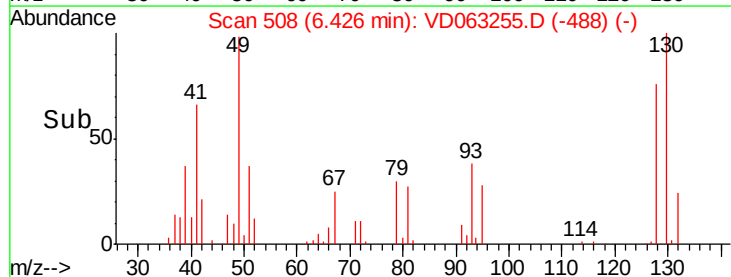
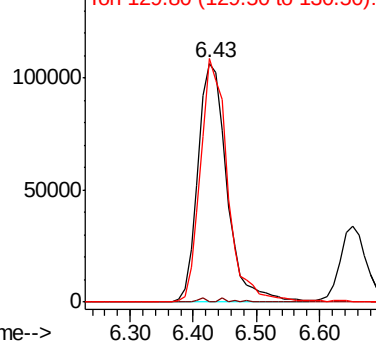
#28

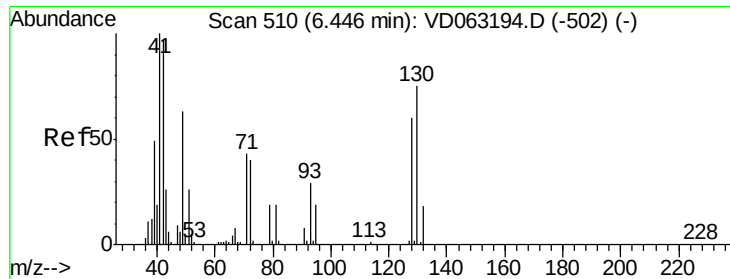
Bromochloromethane
Concen: 53.440 ug/l
RT: 6.43 min Scan# 508
Delta R.T. -0.00 min
Lab File: VD063255.D
Acq: 30 Jul 2019 22:47

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

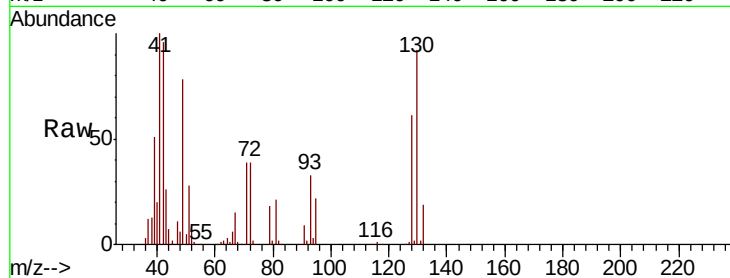
Tot Ion: 42 Resp: 282876

Ion Ratio Lower Upper

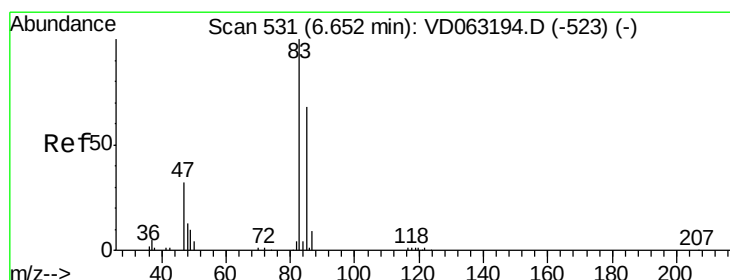
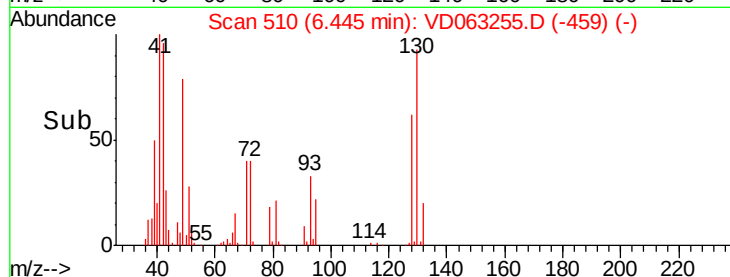
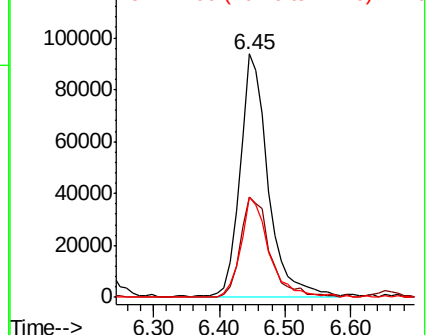
42 100

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

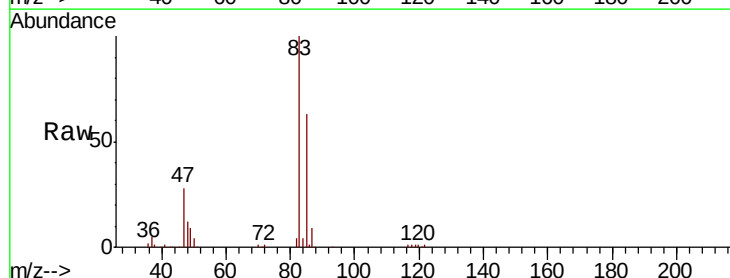
Acq: 30 Jul 2019 22:47

Tgt Ion: 83 Resp: 1034615

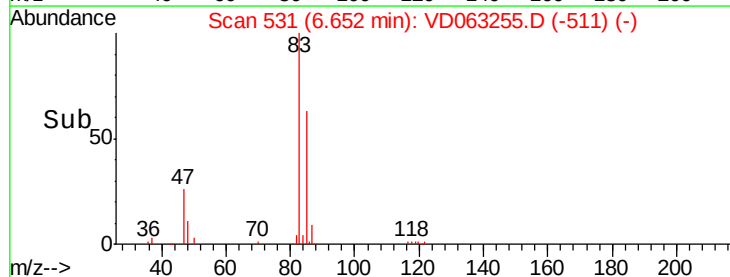
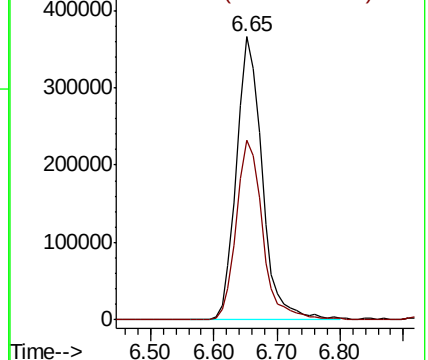
Ion Ratio Lower Upper

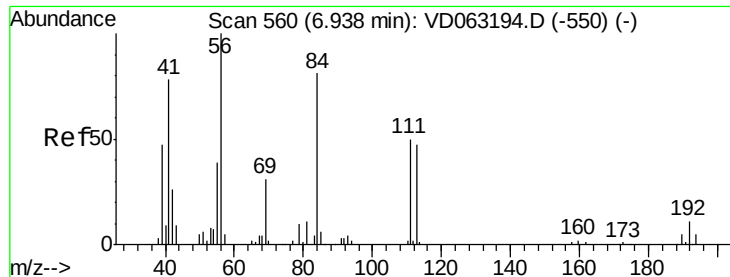
83 100

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

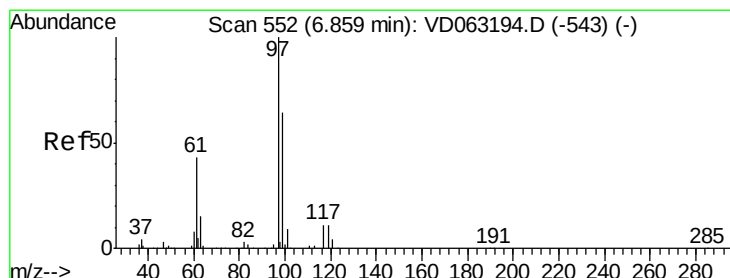
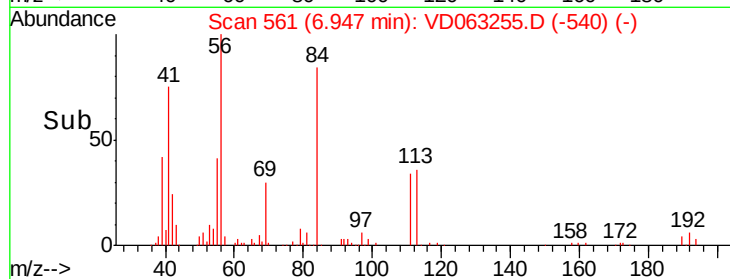
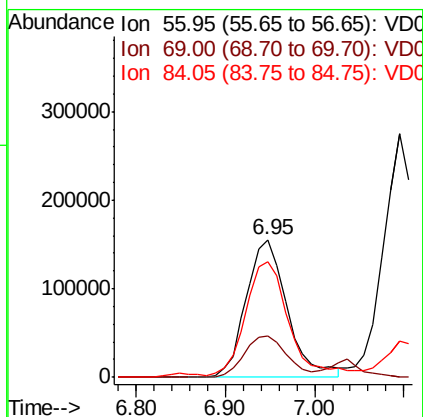
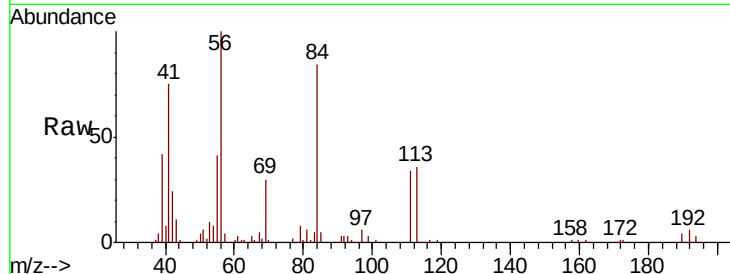




#31
Cyclohexane
Concen: 49.841 ug/l
RT: 6.95 min Scan# 561
Delta R.T. 0.01 min
Lab File: VD063255.D
Acq: 30 Jul 2019 22:47

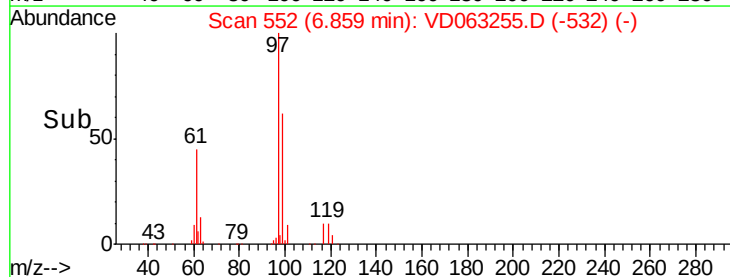
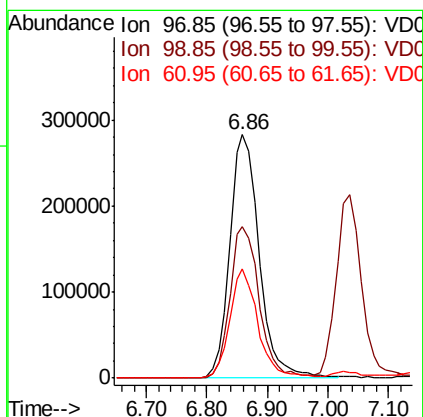
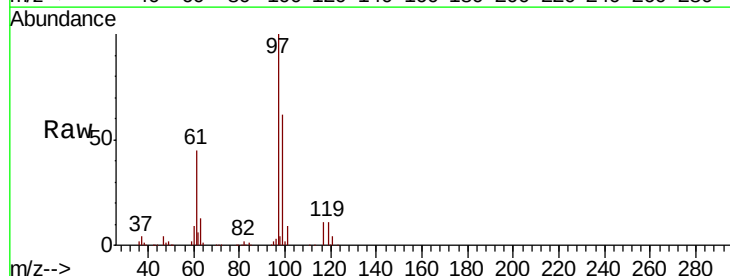
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

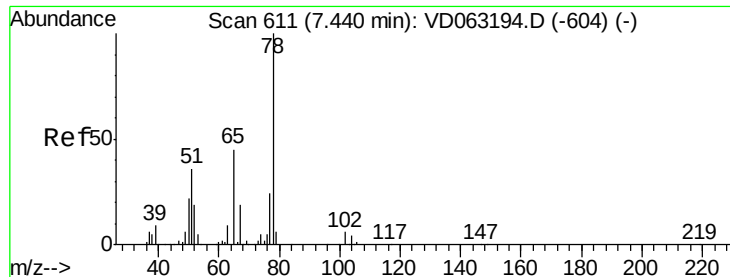
Tot Ion	56	Resp	496849
Ion	Ratio	Lower	Upper
56	100		
69	30.2	24.5	36.7
84	84.2	64.9	97.3



#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

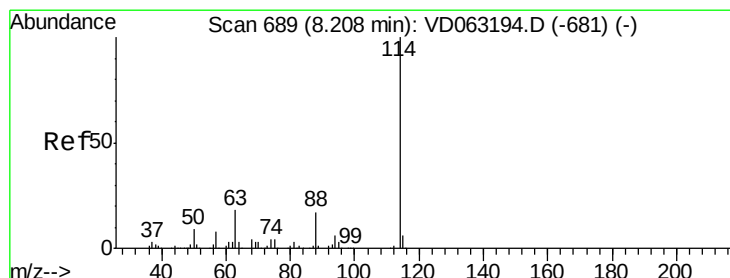
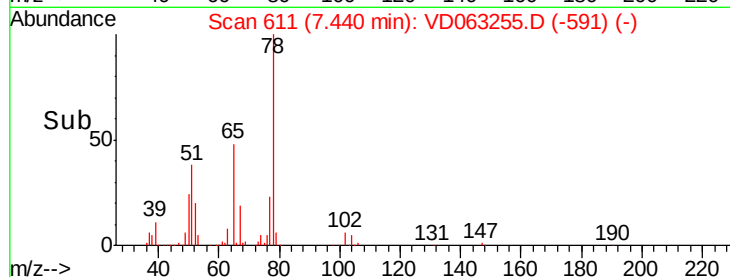
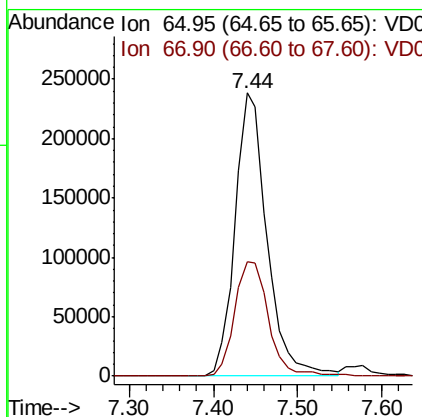
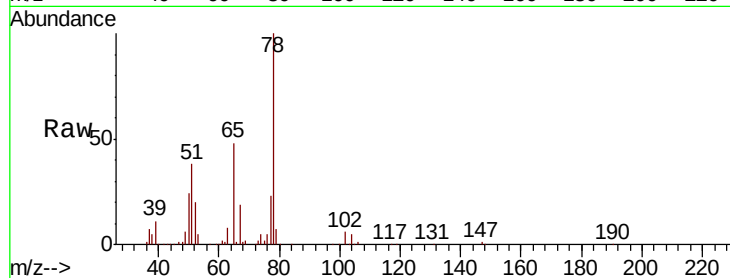




#33
 1,2-Dichloroethane-d4
 Concen: 56.257 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: VD063255.D
 Acq: 30 Jul 2019 22:47

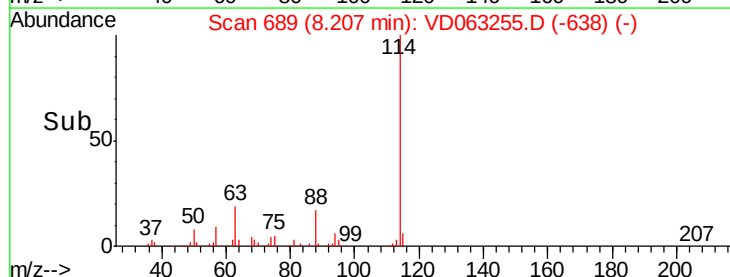
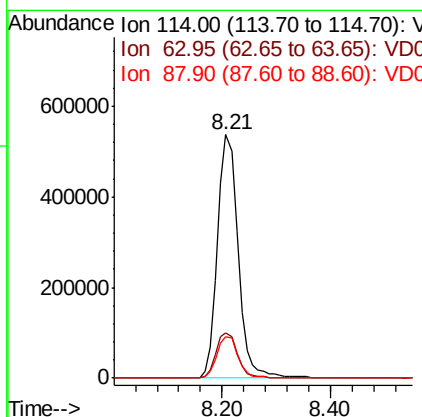
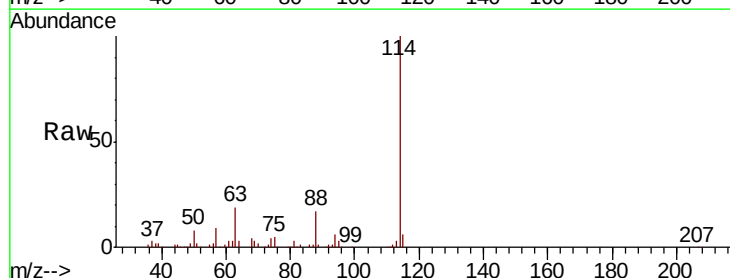
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

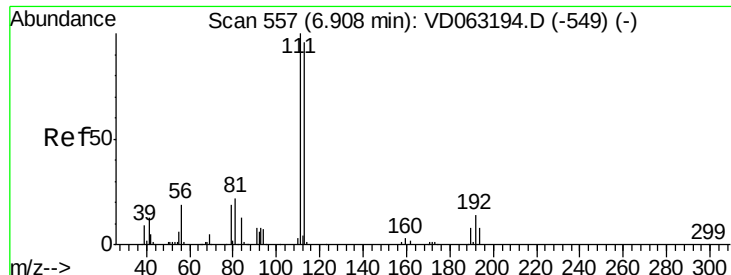
Tot Ion: 65 Resp: 629579
 Ion Ratio Lower Upper
 65 100
 67 40.3 0.0 85.8



#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

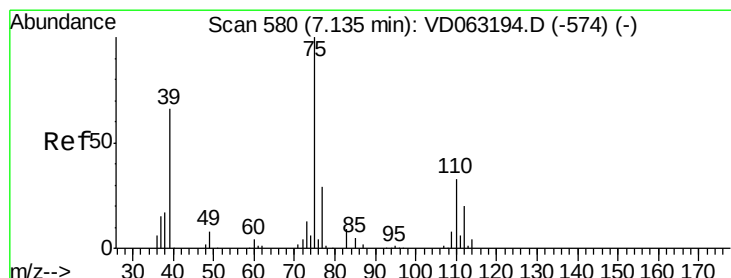
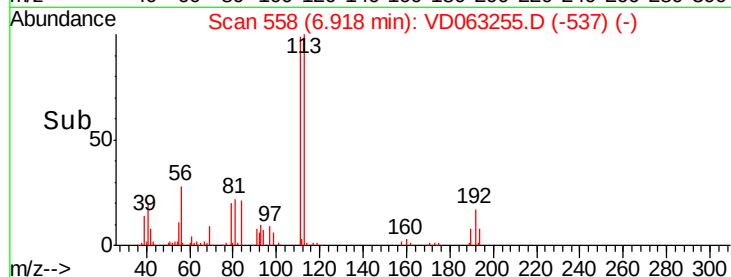
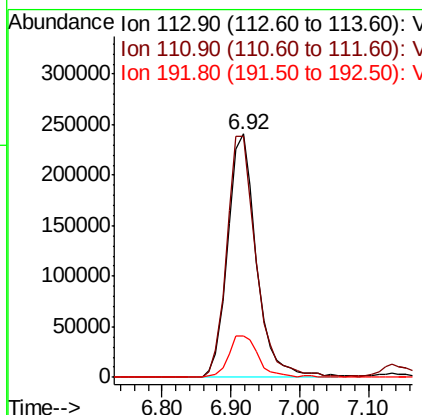
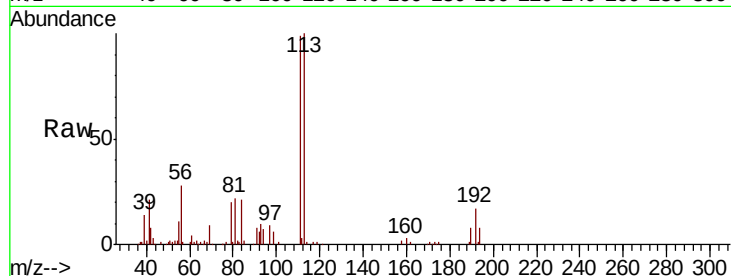




#35
 Dibromofluoromethane
 Concen: 57.230 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. 0.01 min
 Lab File: VD063255.D
 Acq: 30 Jul 2019 22:47

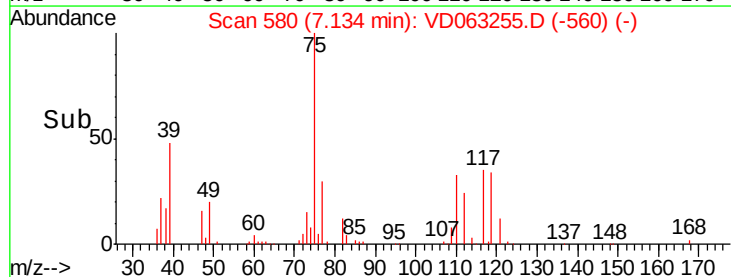
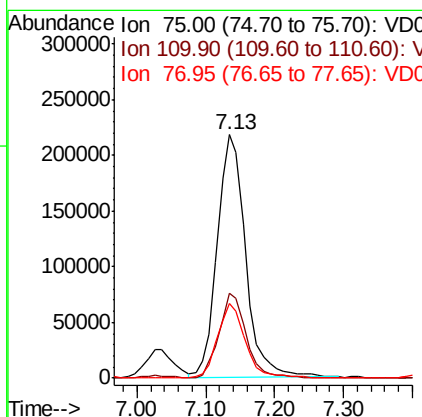
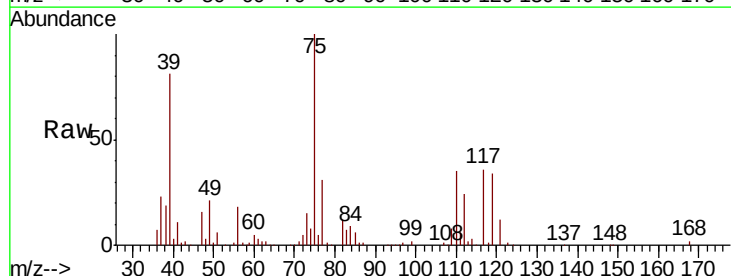
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

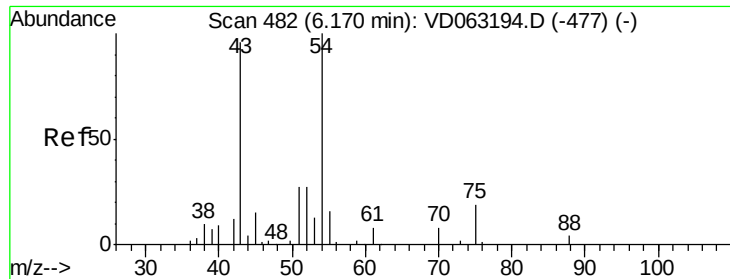
Tot Ion	Ratio	Lower	Upper
113	100		
111	98.9	83.2	124.8
192	16.8	11.8	17.8



#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	Ratio	Lower	Upper
75	100		
110	34.6	16.1	48.2
77	30.7	22.7	34.1

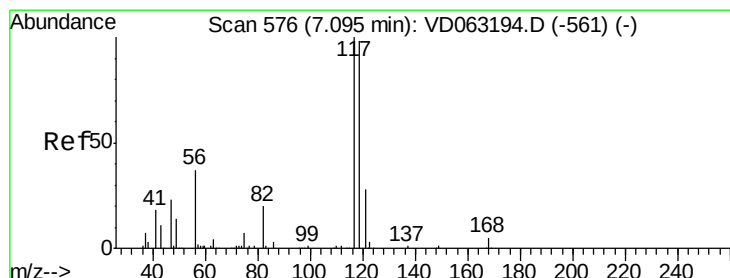
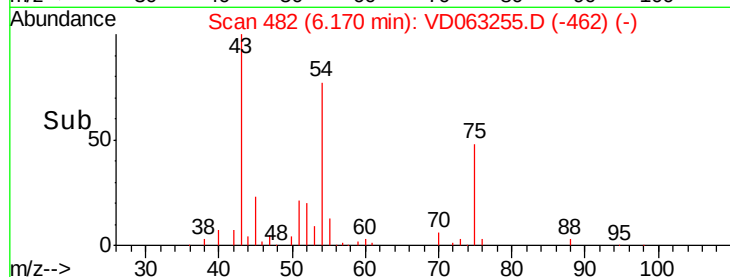
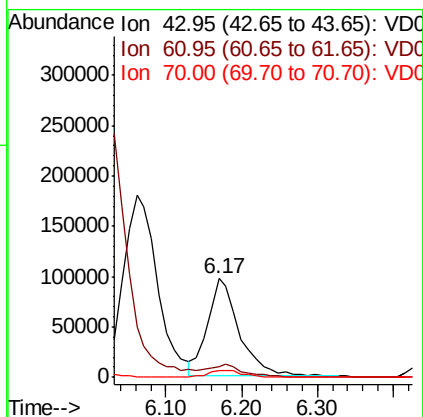
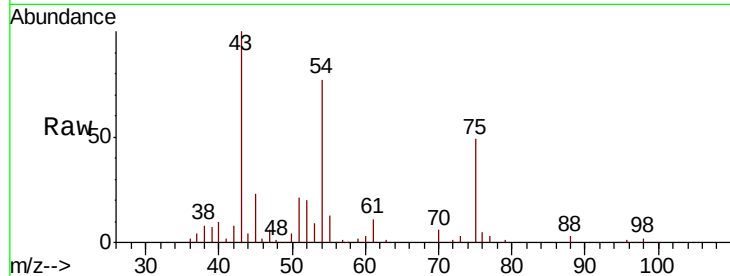




#37
Ethyl Acetate
Concen: 48.436 ug/l
RT: 6.17 min Scan# 482
Delta R.T. -0.00 min
Lab File: VD063255.D
Acq: 30 Jul 2019 22:47

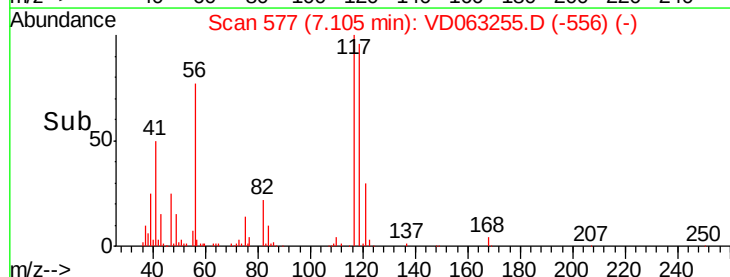
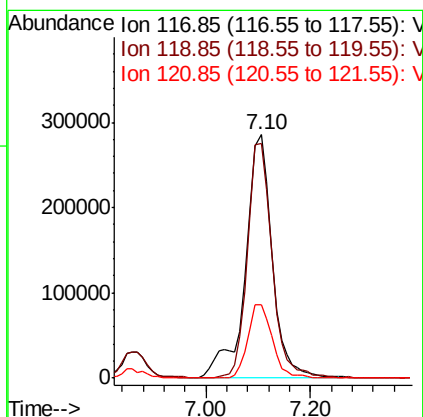
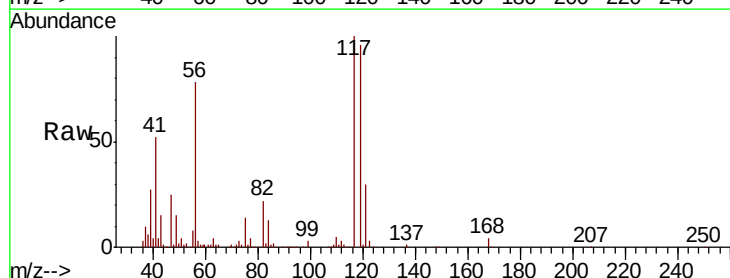
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

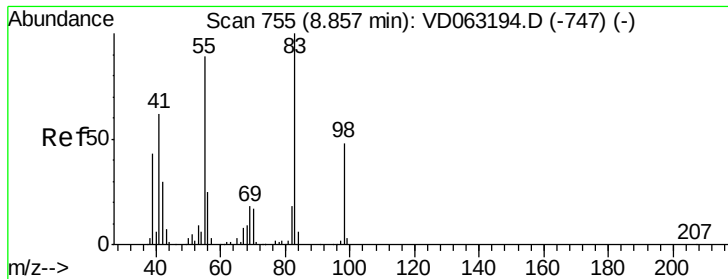
Tot Ion: 43 Resp: 282682
Ion Ratio Lower Upper
43 100
61 11.1 11.3 16.9#
70 6.4 5.1 7.7



#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

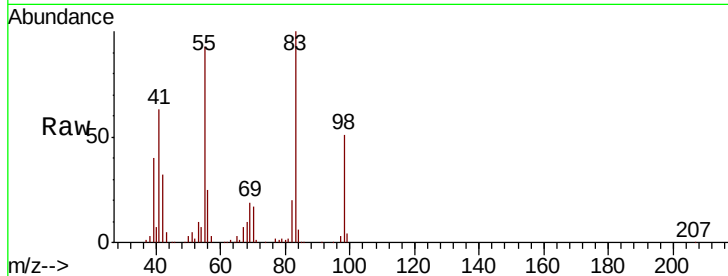




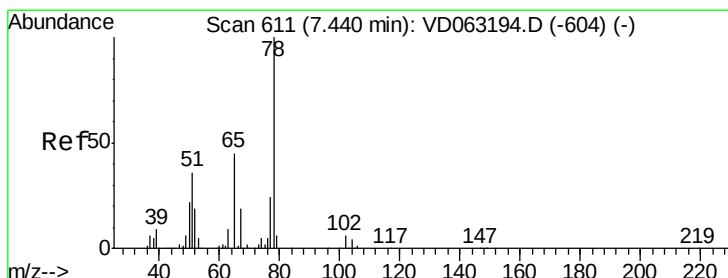
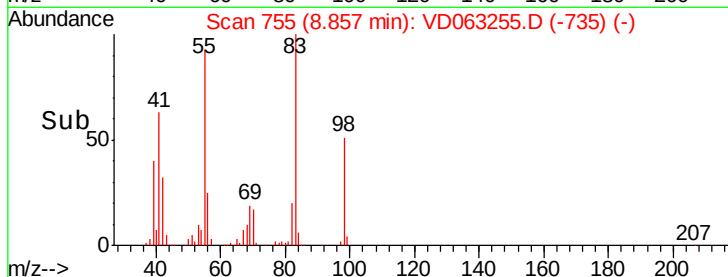
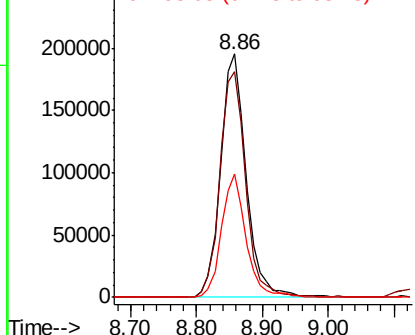
#39
Methylvlcyclohexane
Concen: 48.984 ug/l
RT: 8.86 min Scan# 755
Delta R.T. -0.00 min
Lab File: VD063255.D
Acq: 30 Jul 2019 22:47

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

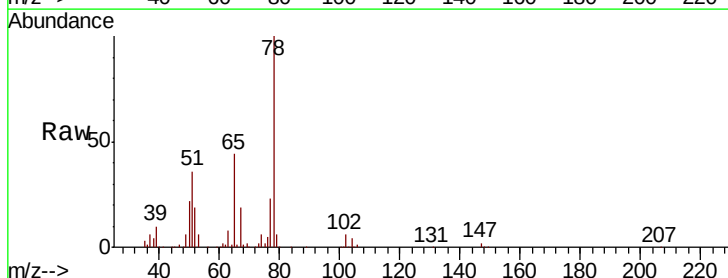


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

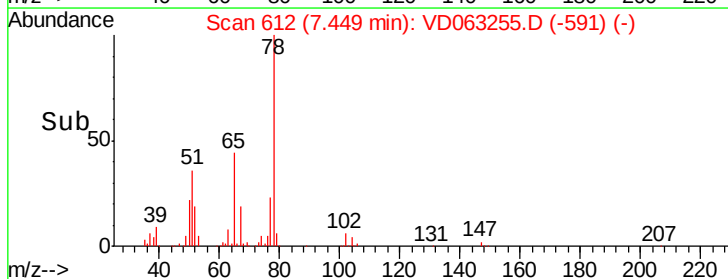
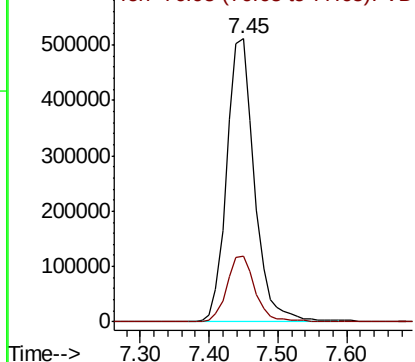


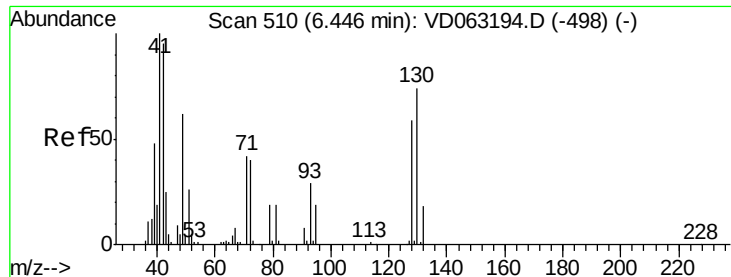
#40
Benzene
Concen: 52.246 ug/l
RT: 7.45 min Scan# 612
Delta R.T. 0.01 min
Lab File: VD063255.D
Acq: 30 Jul 2019 22:47

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



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC

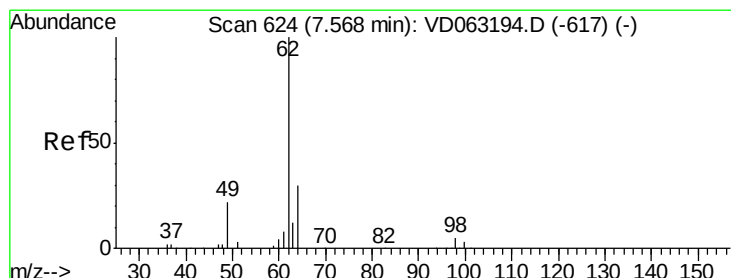
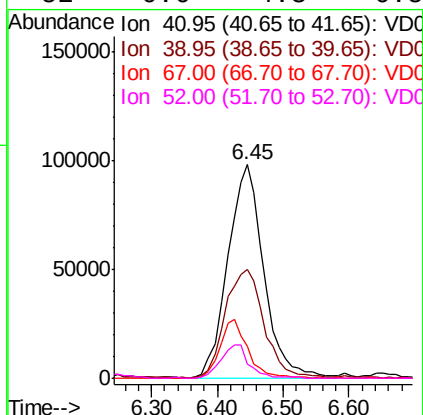
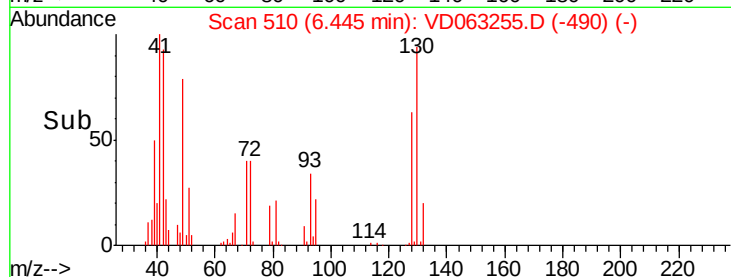
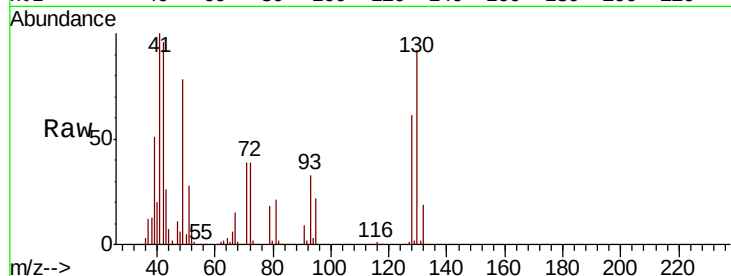




#41
Methacrylonitrile
Concen: 53.591 ug/l
RT: 6.45 min Scan# 510
Delta R.T. -0.00 min
Lab File: VD063255.D
Acq: 30 Jul 2019 22:47

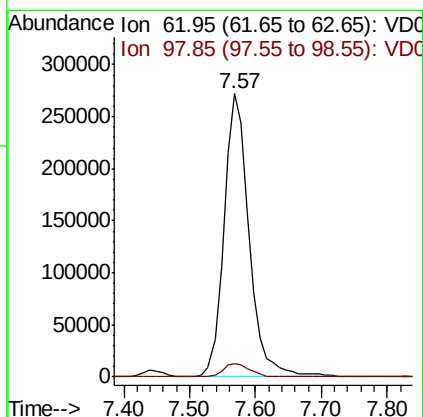
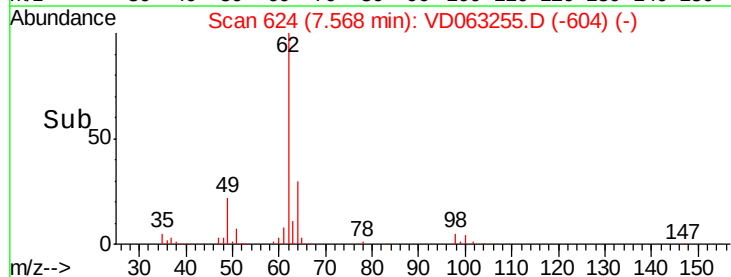
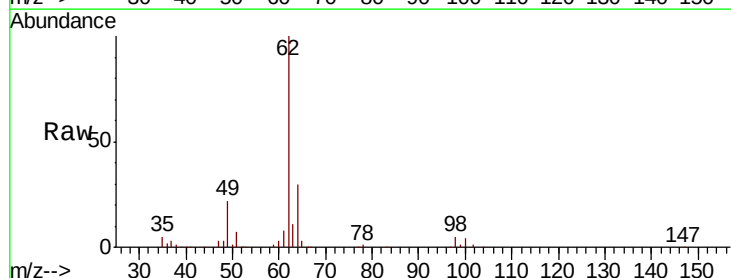
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

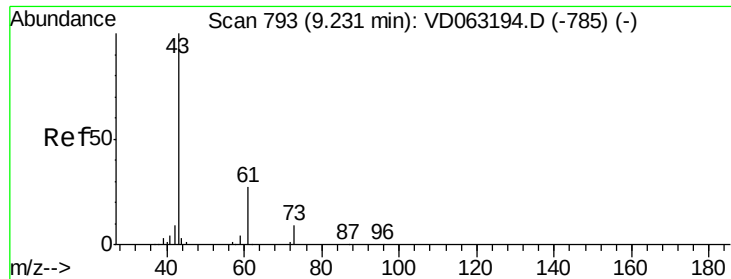
Tot Ion: 41 Resp: 374134
Ion Ratio Lower Upper
41 100
39 51.0 38.4 57.6
67 15.0 6.7 10.1#
52 6.6 4.3 6.5#



#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

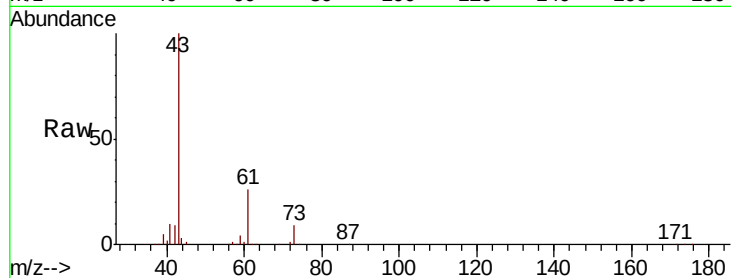
Tot Ion: 43 Resp: 401949

Ion Ratio Lower Upper

43 100

61 26.1 21.4 32.0

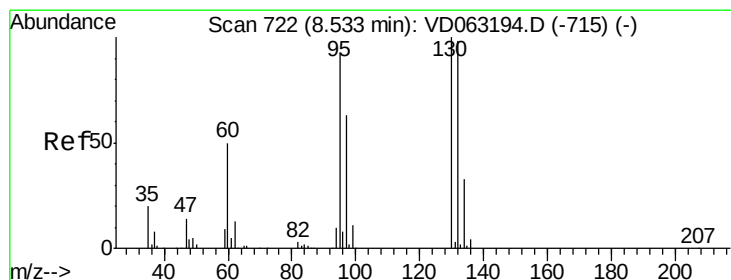
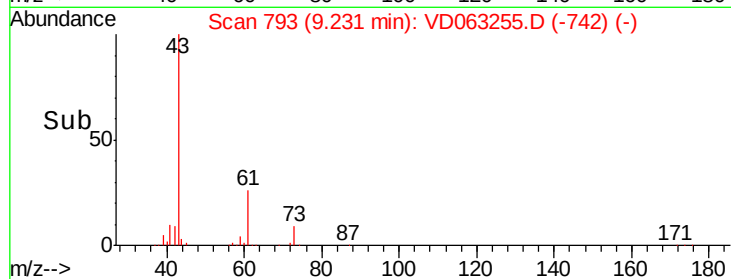
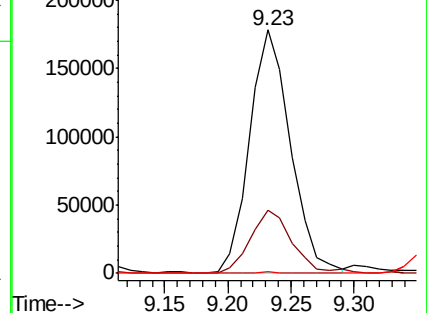
87 0.5 0.2 0.4#



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

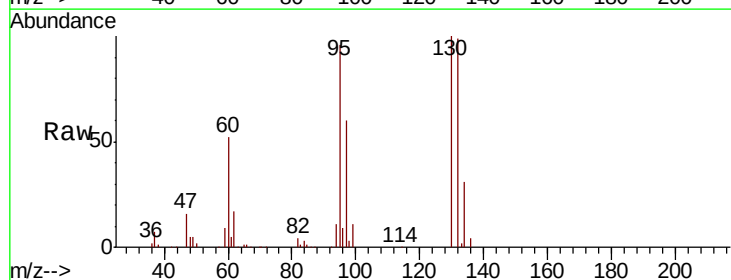
Acq: 30 Jul 2019 22:47

Tgt Ion:130 Resp: 528136

Ion Ratio Lower Upper

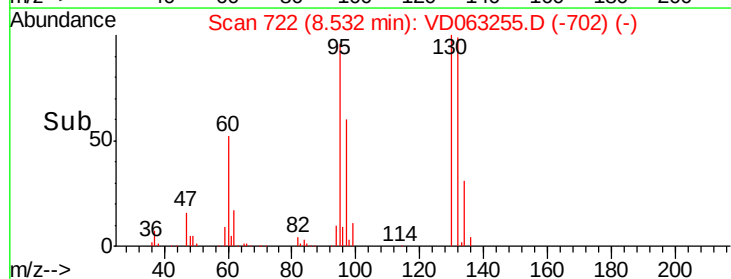
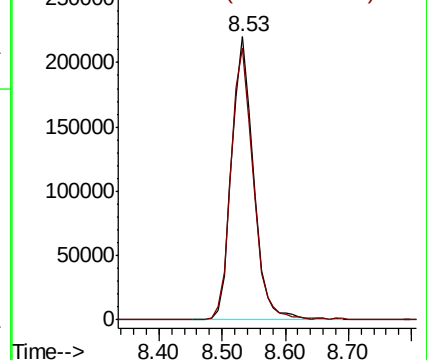
130 100

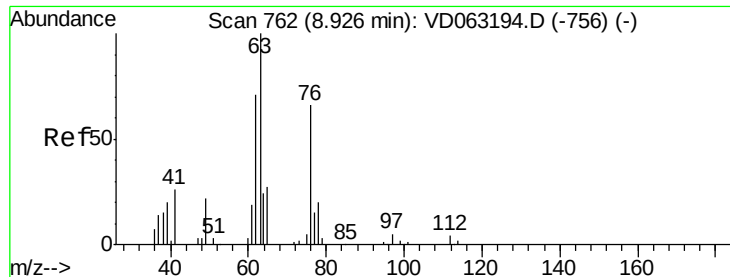
95 95.9 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): V

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 :

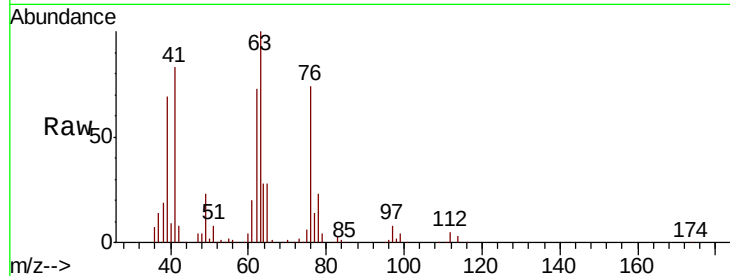
VSTDCCC050

Tot Ion: 63 Resp: 344203

Ion Ratio Lower Upper

63 100

65 28.0 23.6 35.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.94

150000

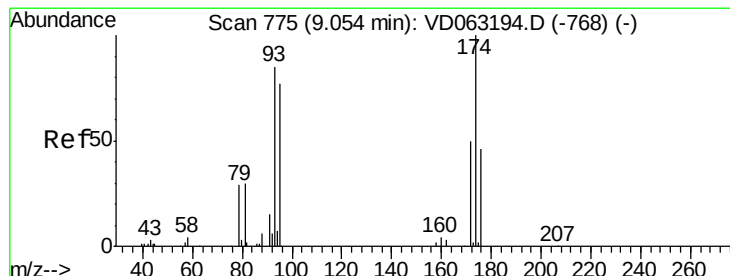
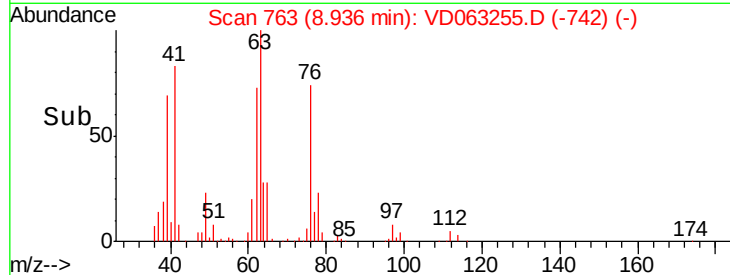
100000

50000

0

Time-->

8.80 8.90 9.00 9.10



#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

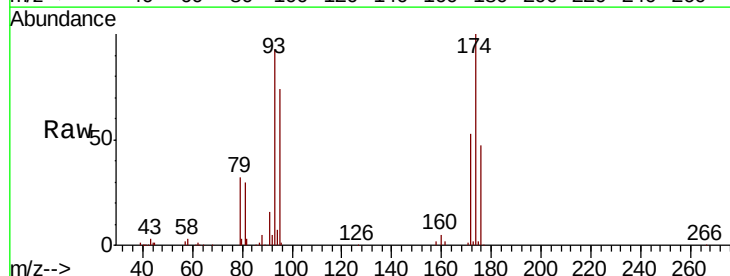
Tgt Ion: 93 Resp: 304166

Ion Ratio Lower Upper

93 100

95 79.5 72.8 109.2

174 107.7 94.4 141.6



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

200000

150000

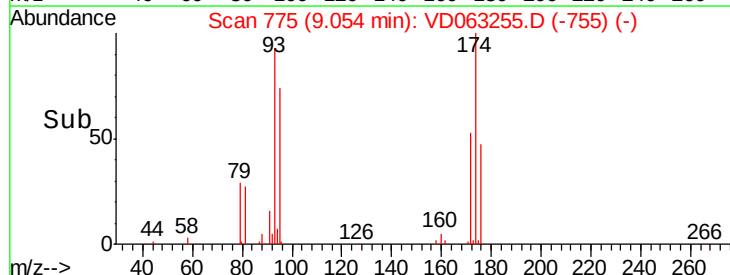
100000

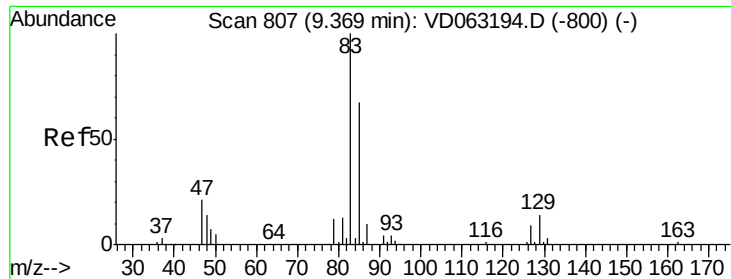
50000

0

Time-->

9.00 9.10





#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

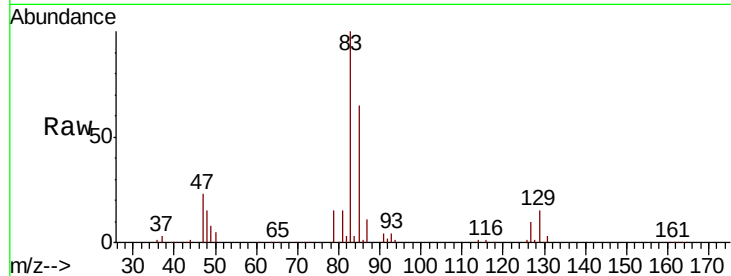
Tot Ion: 83 Resp: 747306

Ion Ratio Lower Upper

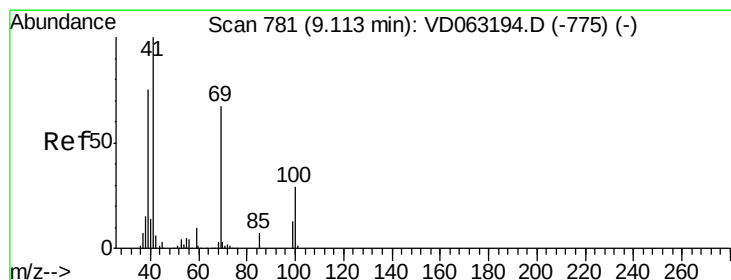
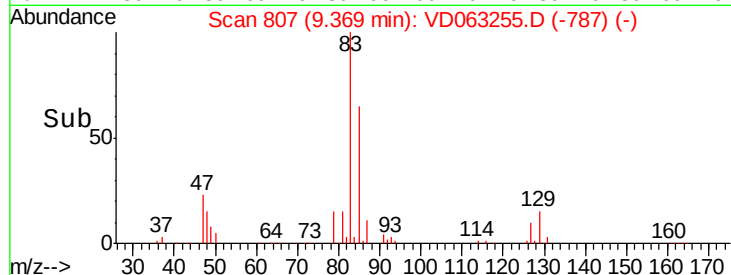
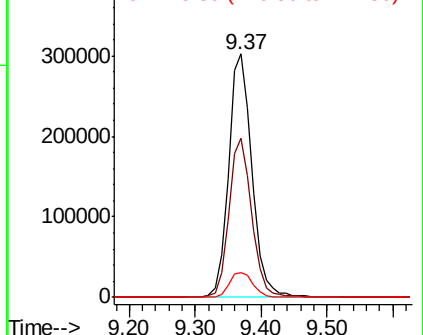
83 100

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

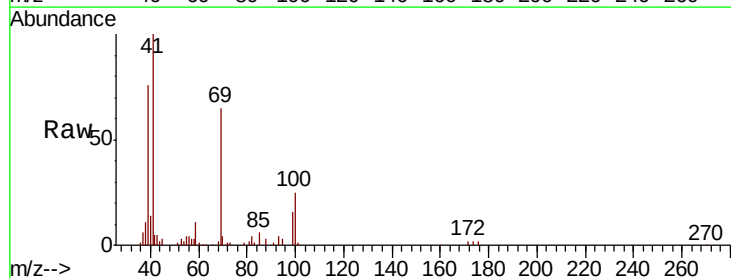
Tgt Ion: 41 Resp: 259395

Ion Ratio Lower Upper

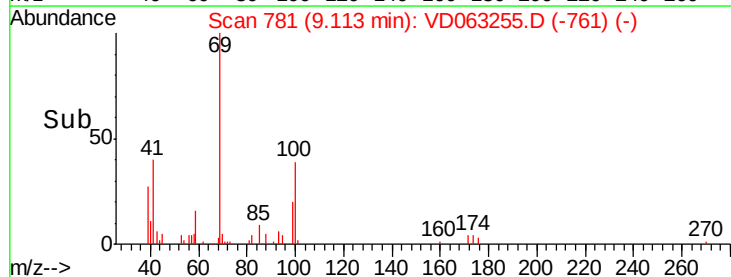
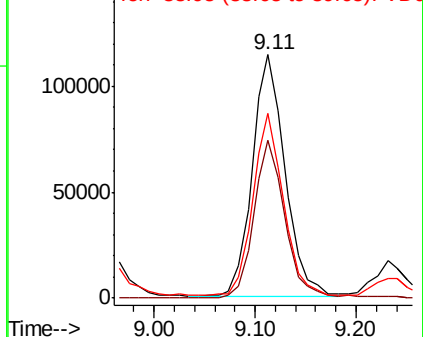
41 100

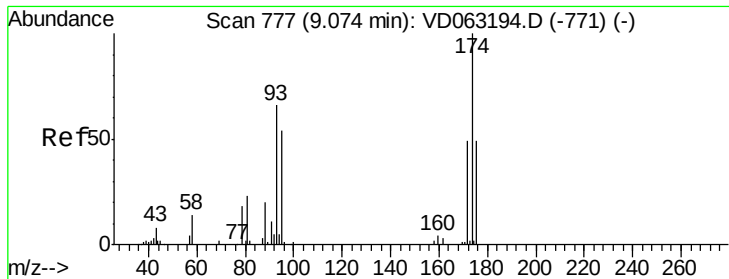
69 65.1 53.4 80.0

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

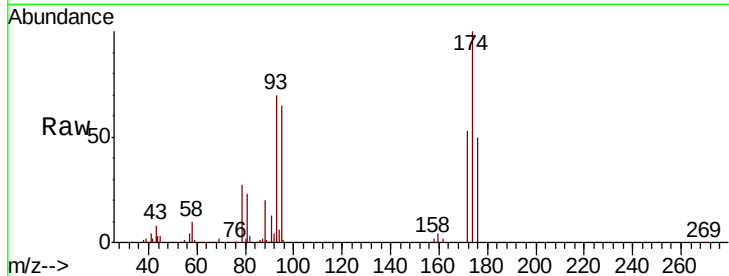
Tot Ion: 88 Resp: 47476

Ion Ratio Lower Upper

88 100

43 42.1 30.7 46.1

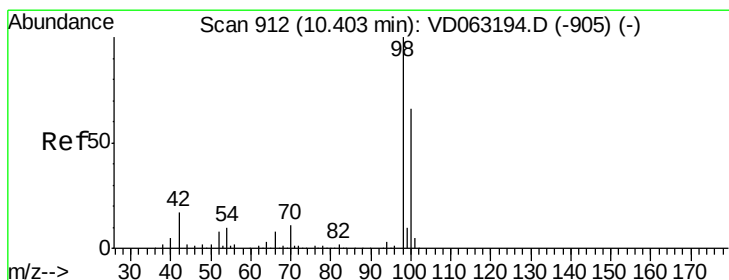
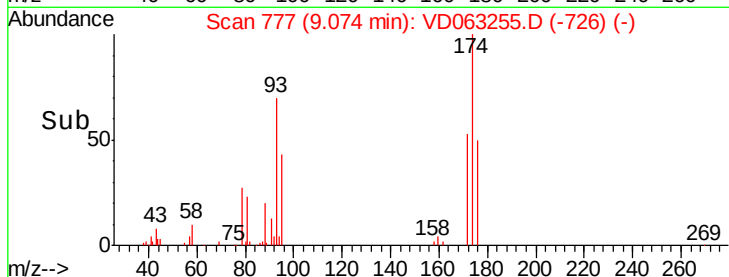
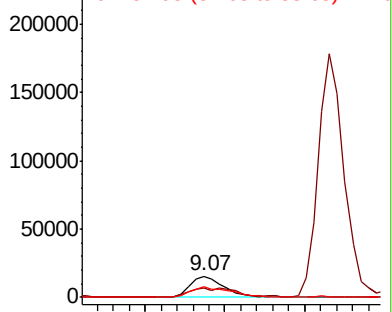
58 51.4 56.5 84.7#



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

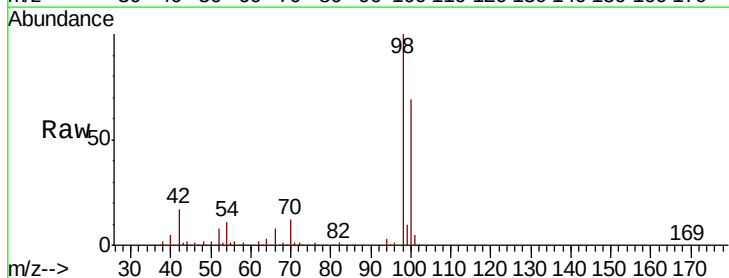
Acq: 30 Jul 2019 22:47

Tgt Ion: 98 Resp: 1514594

Ion Ratio Lower Upper

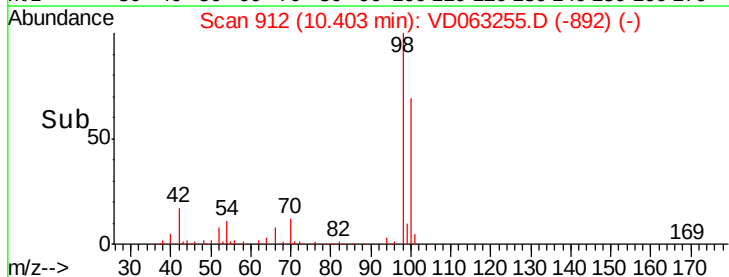
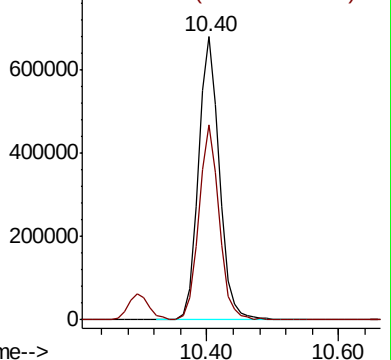
98 100

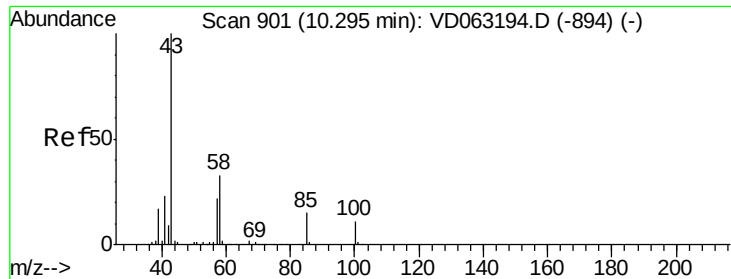
100 68.7 53.2 79.8



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 :

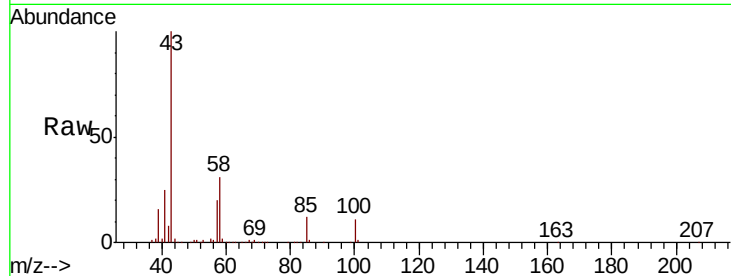
VSTDCCC050

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

10.29

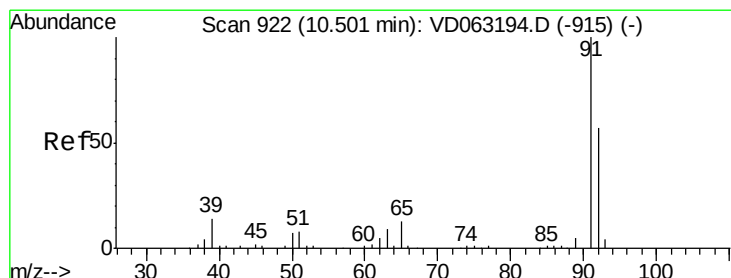
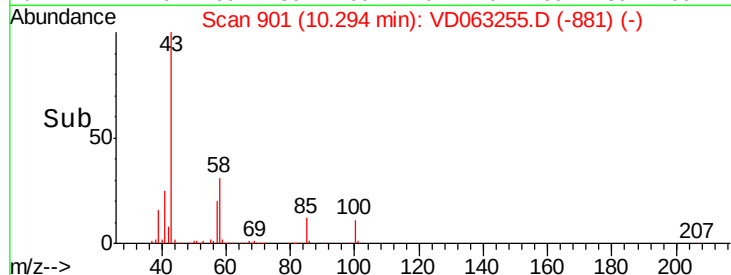
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 50.628 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.00 min

Lab File: VD063255.D

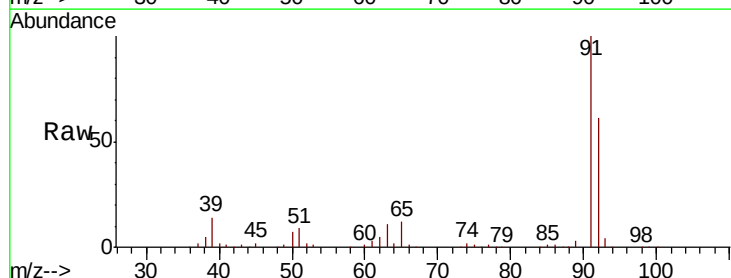
Acq: 30 Jul 2019 22:47

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

10.50

800000

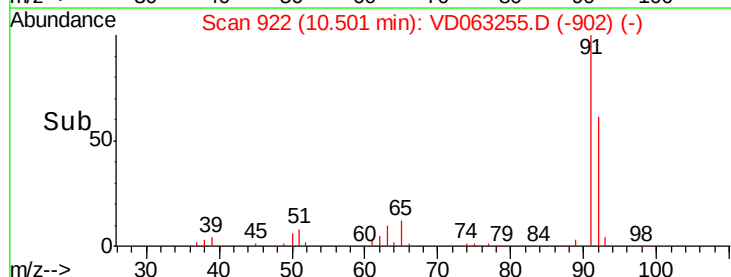
600000

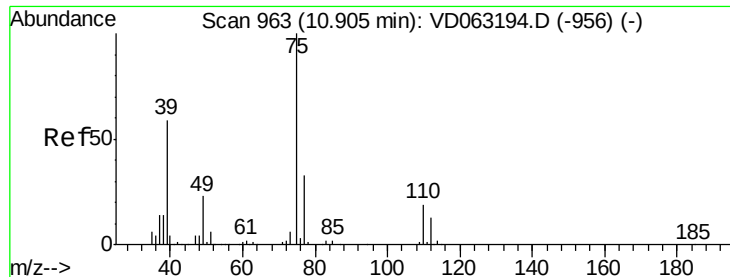
400000

200000

0

Time-->

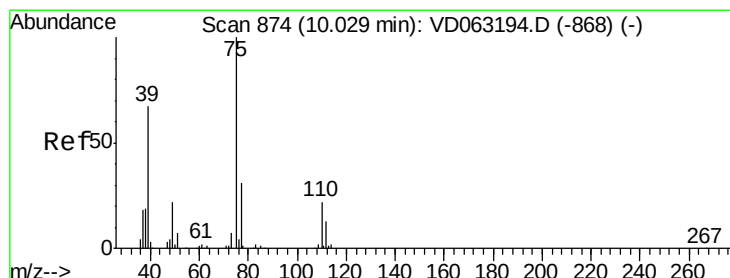
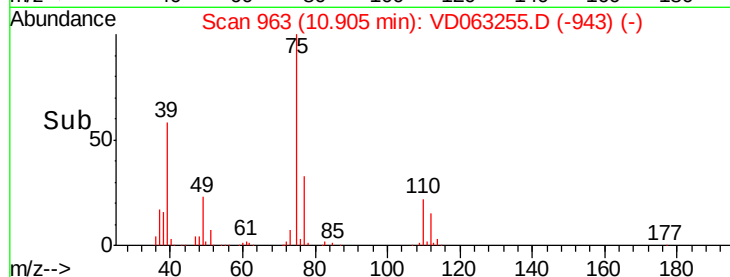
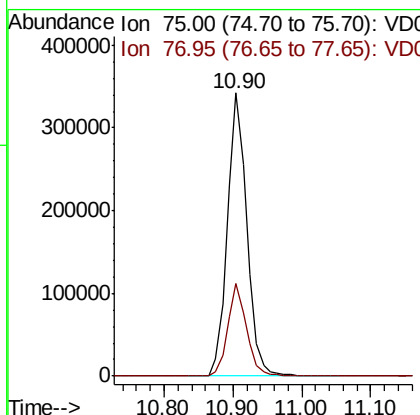
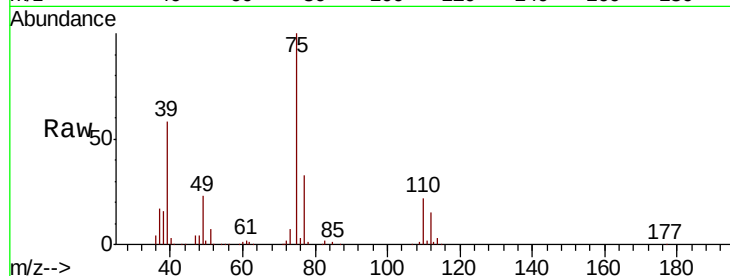




#53
 t-1,3-Dichloropropene
 Concen: 52.812 ug/l
 RT: 10.90 min Scan# 963
 Delta R.T. -0.00 min
 Lab File: VD063255.D
 Acq: 30 Jul 2019 22:47

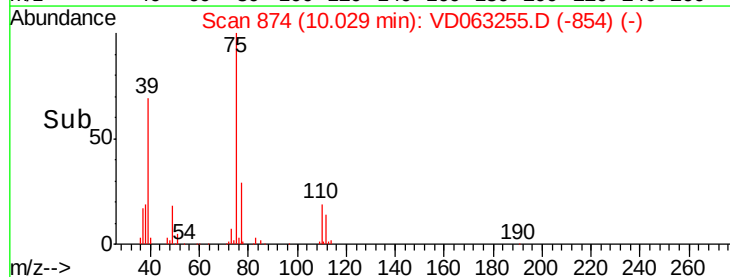
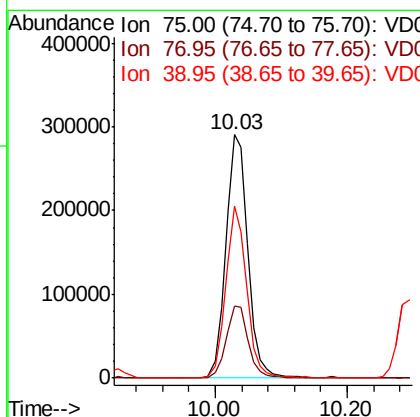
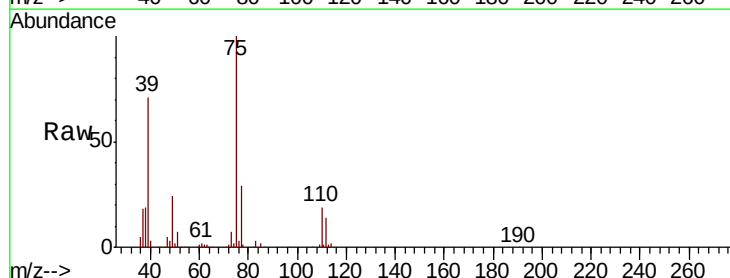
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

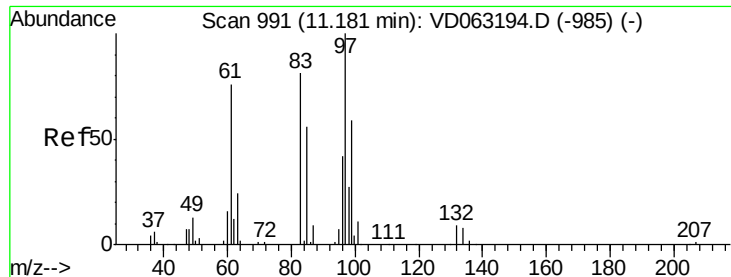
Tot Ion: 75 Resp: 667830
 Ion Ratio Lower Upper
 75 100
 77 32.6 26.6 40.0



#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





#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 :

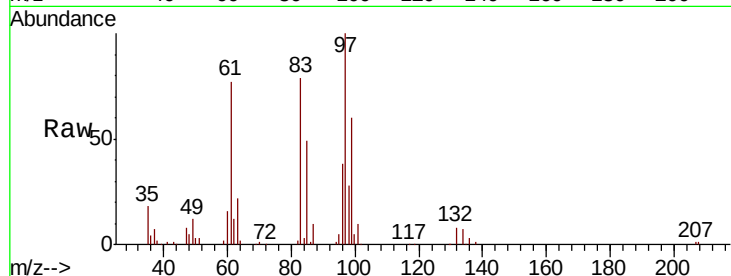
MSVOA_D

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

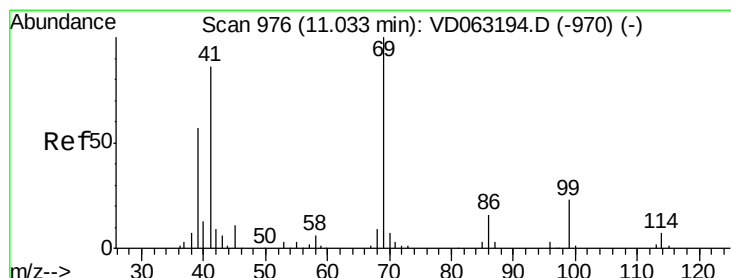
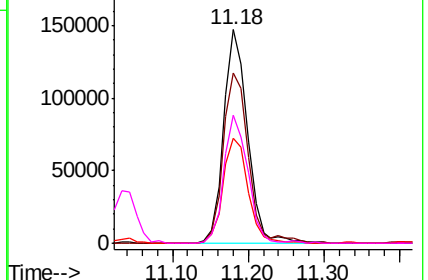
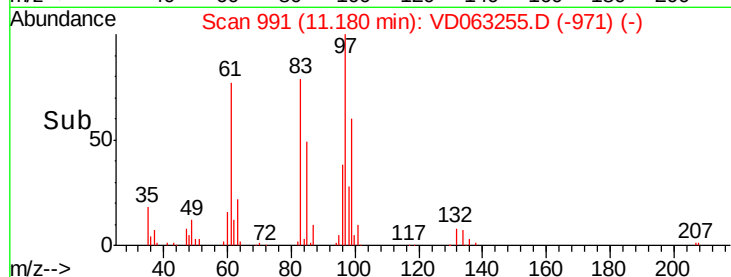


Abundance Ion 96.85 (96.55 to 97.55): VDC

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

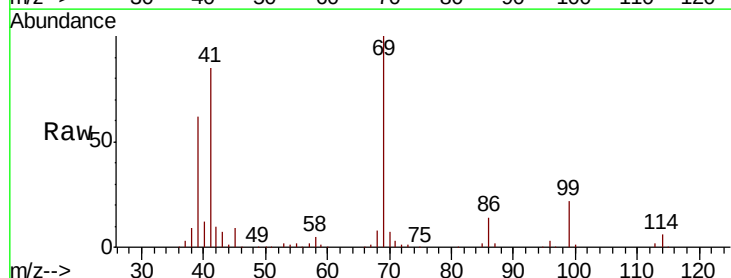
Delta R.T. -0.00 min

Lab File: VD063255.D

Acq: 30 Jul 2019 22:47

Tgt Ion: 69 Resp: 351031

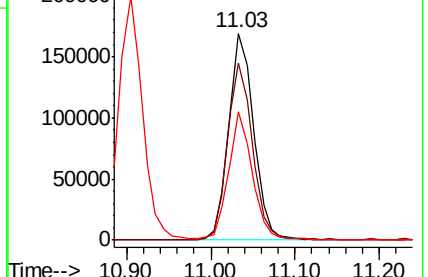
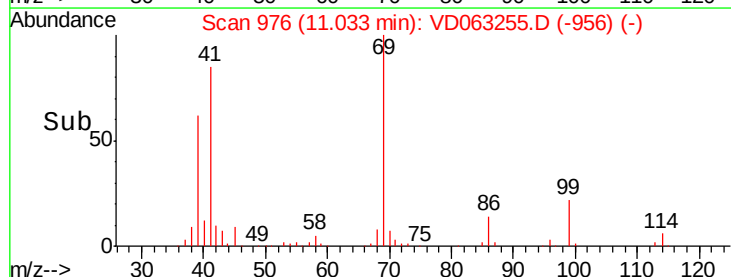
Ion	Ratio	Lower	Upper
69	100		
41	85.3	68.8	103.2
39	62.3	45.8	68.8

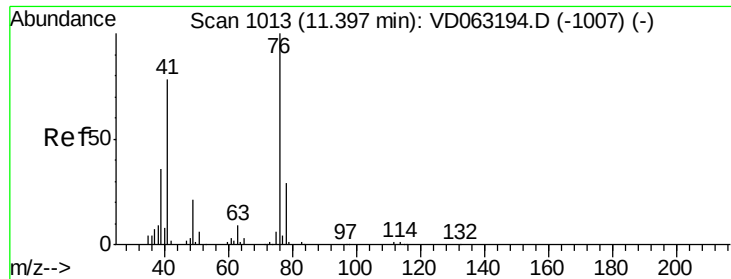


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

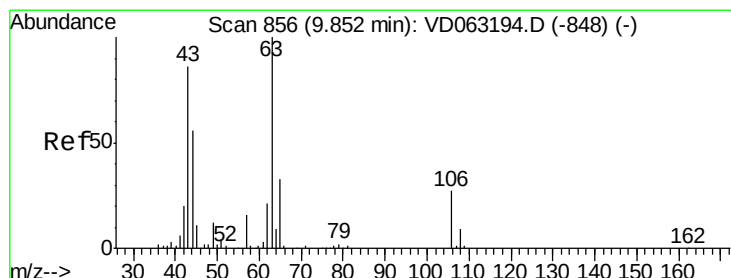
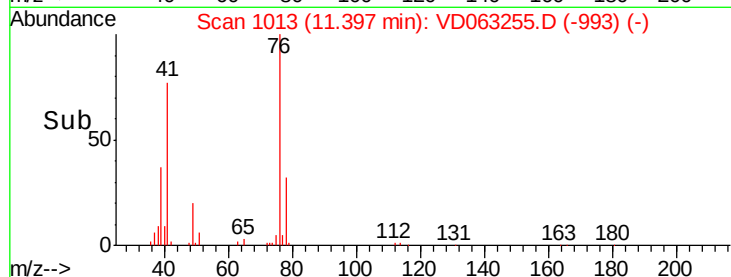
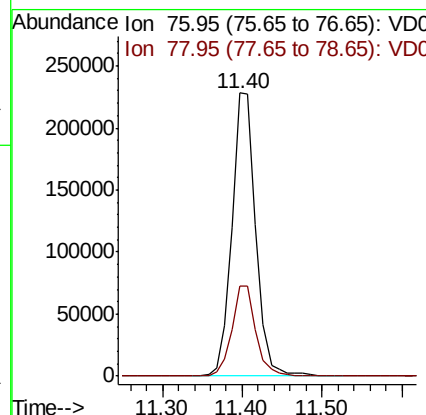
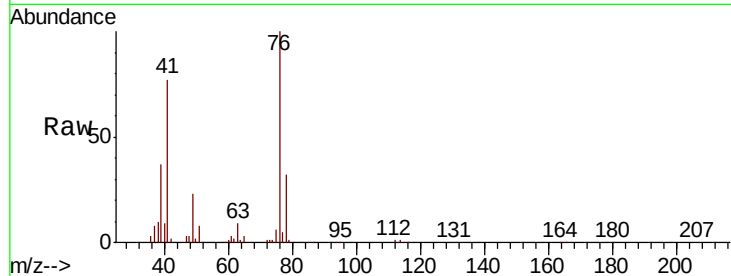




#57
 1,3-Dichloropropane
 Concen: 49.830 ug/l
 RT: 11.40 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VD063255.D
 Acq: 30 Jul 2019 22:47

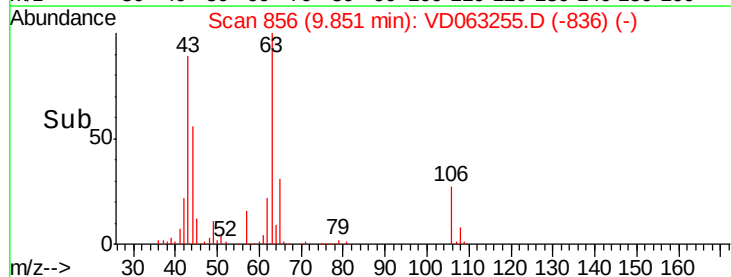
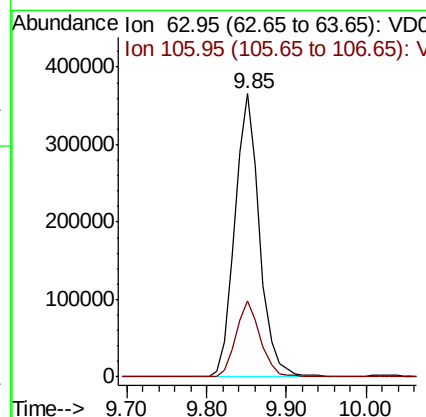
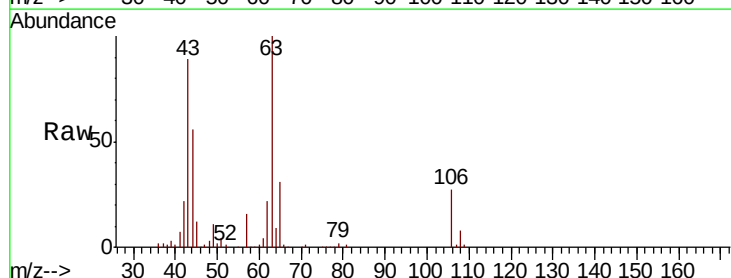
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

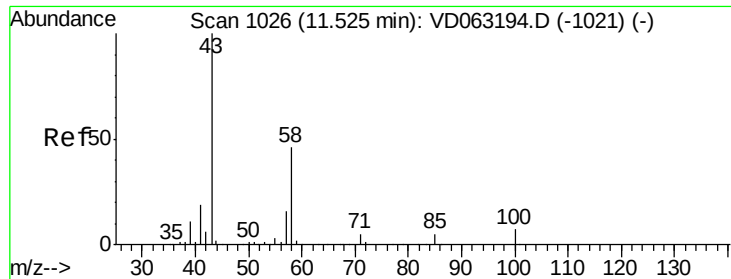
Tot Ion: 76 Resp: 480156
 Ion Ratio Lower Upper
 76 100
 78 31.7 23.4 35.0



#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 :

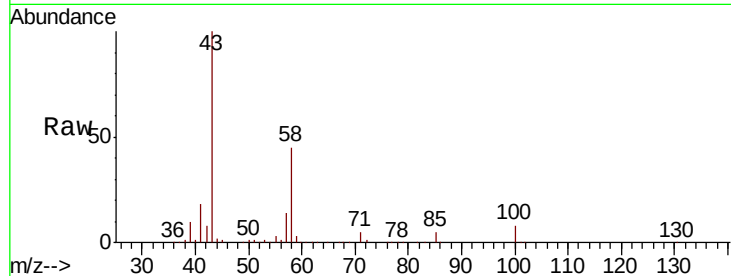
VSTDCCC050

Tot Ion: 43 Resp: 925438

Ion Ratio Lower Upper

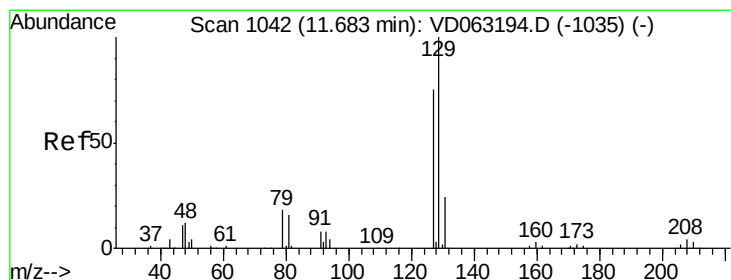
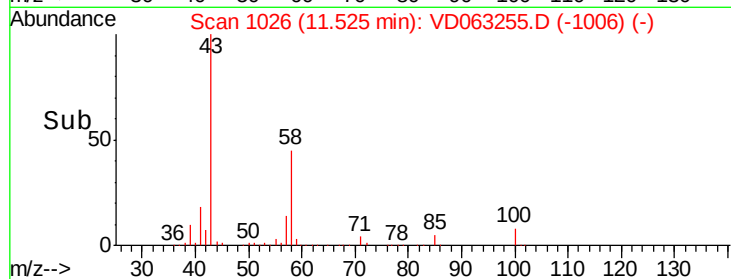
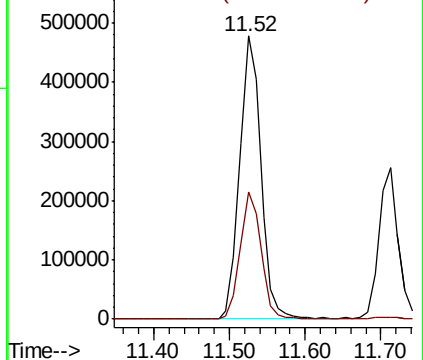
43 100

58 45.1 22.9 68.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#60

Dibromochloromethane

Concen: 54.145 ug/l

RT: 11.68 min Scan# 1042

Delta R.T. -0.00 min

Lab File: VD063255.D

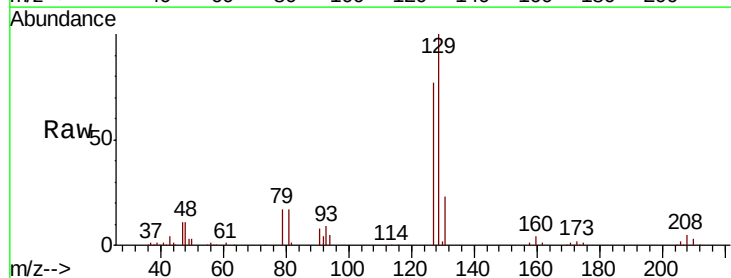
Acq: 30 Jul 2019 22:47

Tgt Ion: 129 Resp: 625136

Ion Ratio Lower Upper

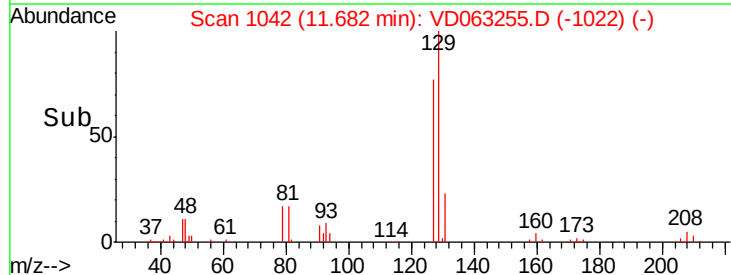
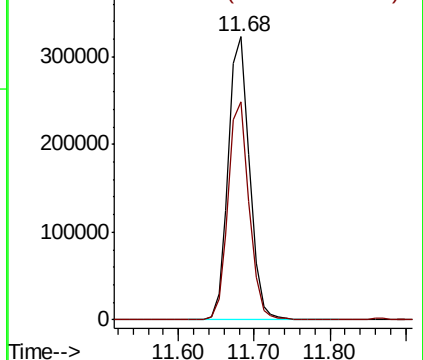
129 100

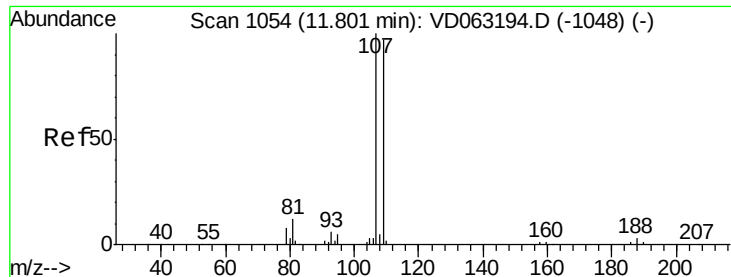
127 77.1 37.6 112.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

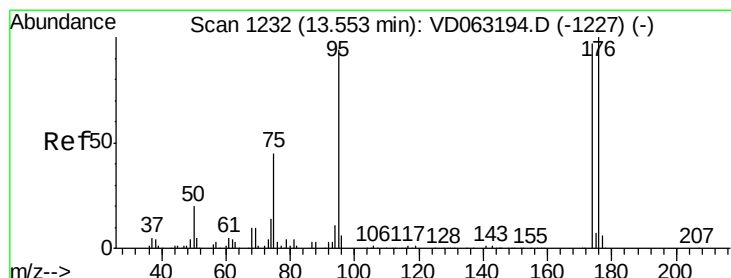
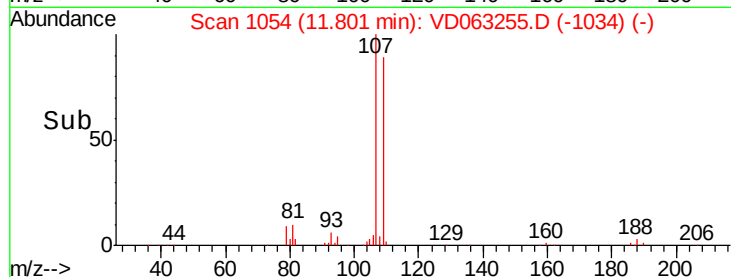
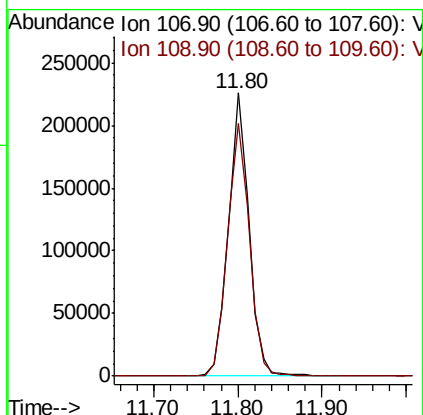
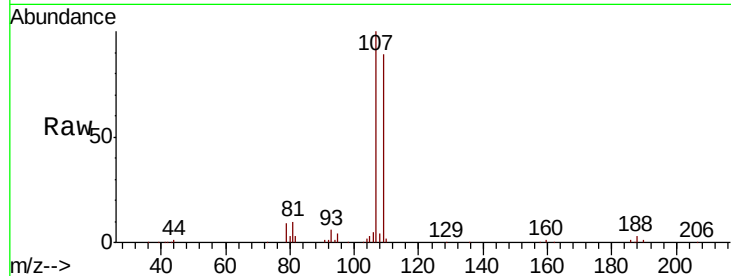




#61
1,2-Dibromoethane
Concen: 50.716 ug/l
RT: 11.80 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VD063255.D
Acq: 30 Jul 2019 22:47

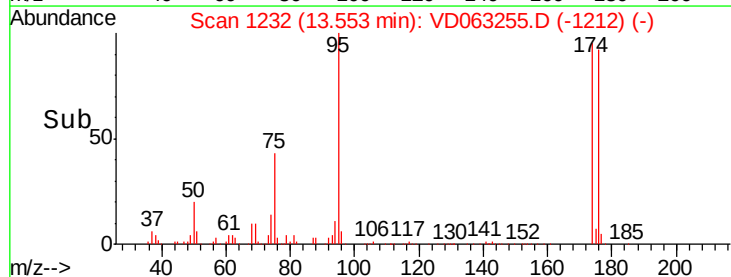
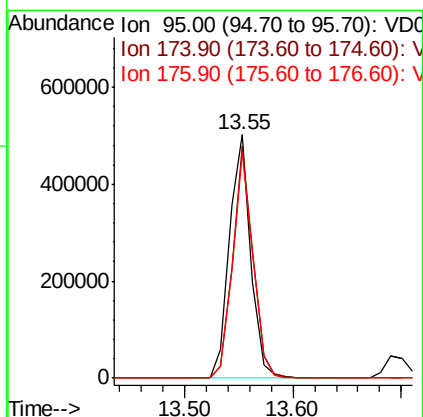
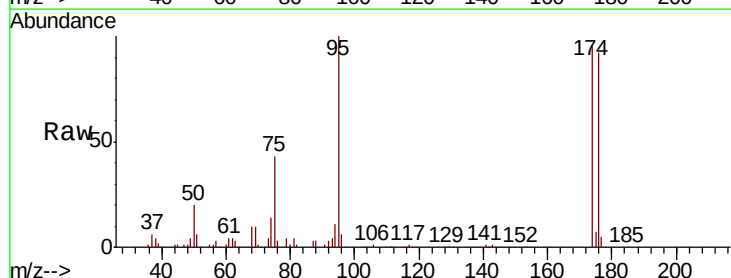
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

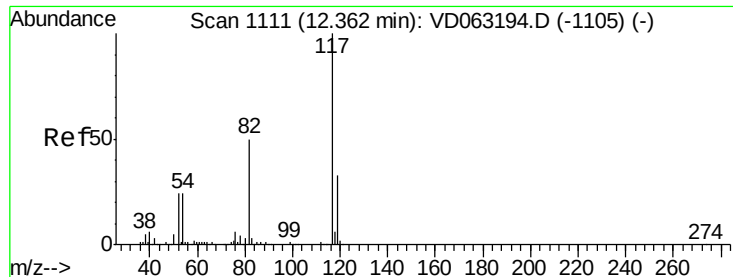
Tot Ion:107 Resp: 382724
Ion Ratio Lower Upper
107 100
109 89.2 77.5 116.3



#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

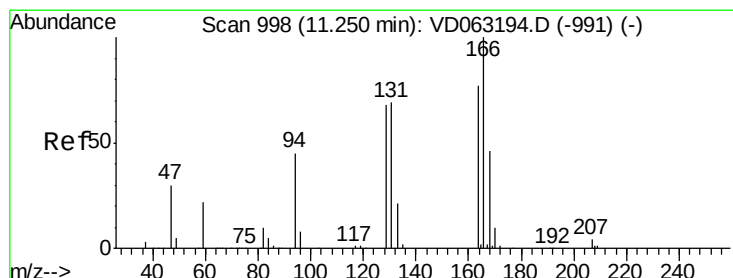
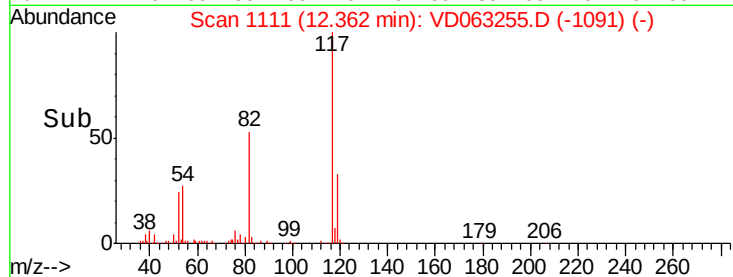
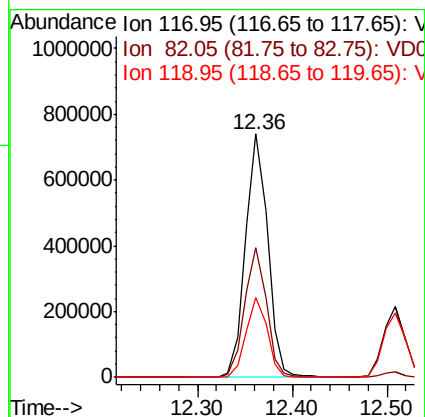
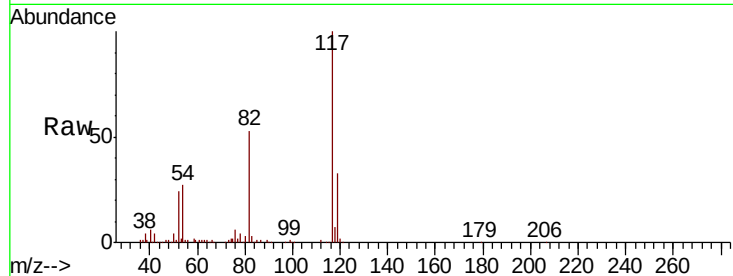




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD063255.D
Acq: 30 Jul 2019 22:47

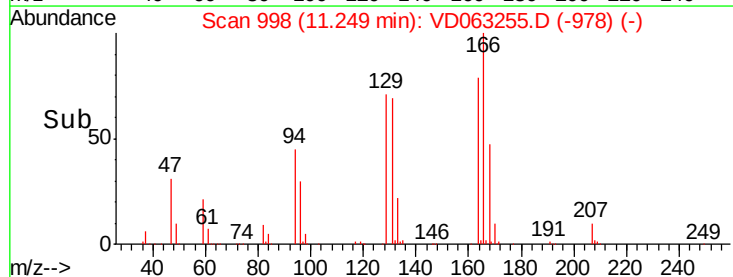
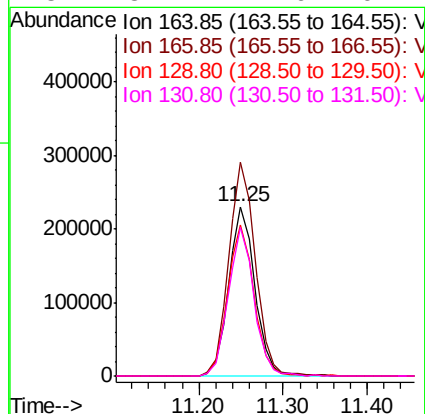
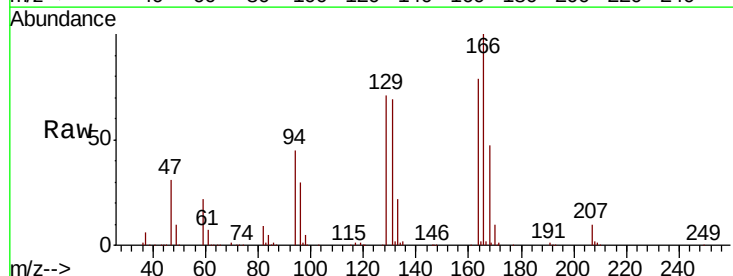
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

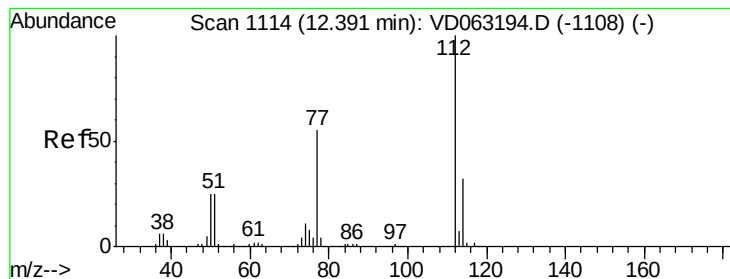
Tot Ion:117 Resp: 1208379
Ion Ratio Lower Upper
117 100
82 53.1 40.1 60.1
119 32.9 26.5 39.7



#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 :

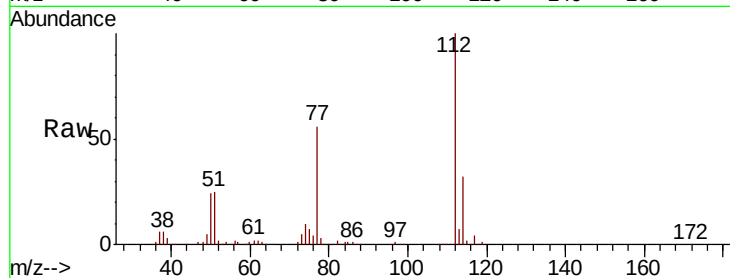
VSTDCCC050

Tot Ion:112 Resp: 1144258

Ion Ratio Lower Upper

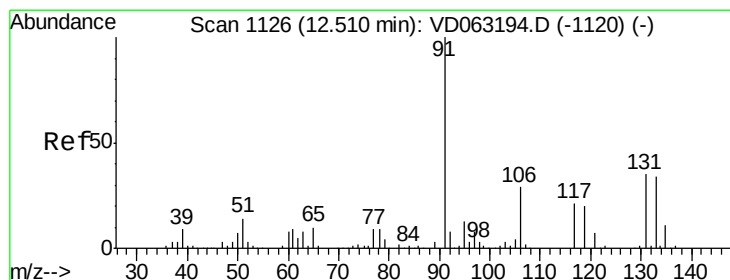
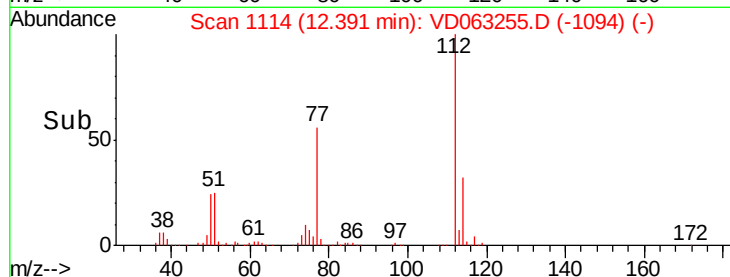
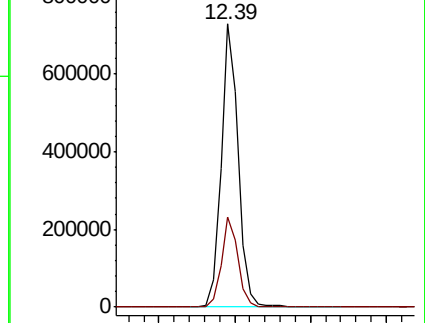
112 100

114 31.7 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 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

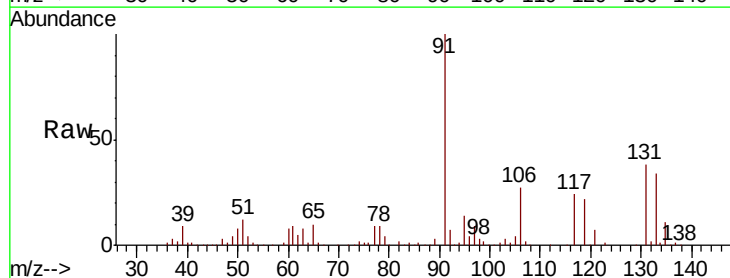
Tgt Ion:131 Resp: 538685

Ion Ratio Lower Upper

131 100

133 89.8 48.4 145.2

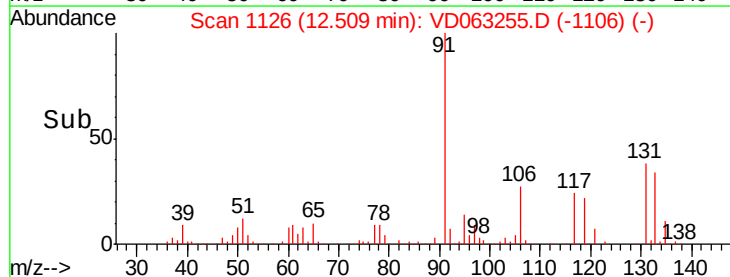
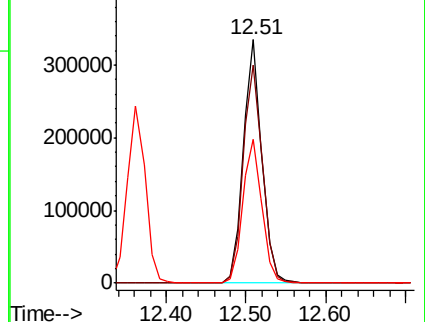
119 58.9 29.1 87.3

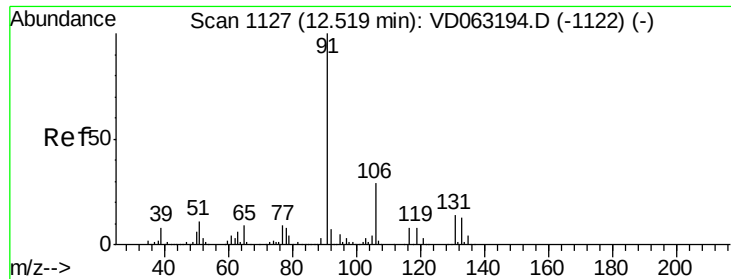


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

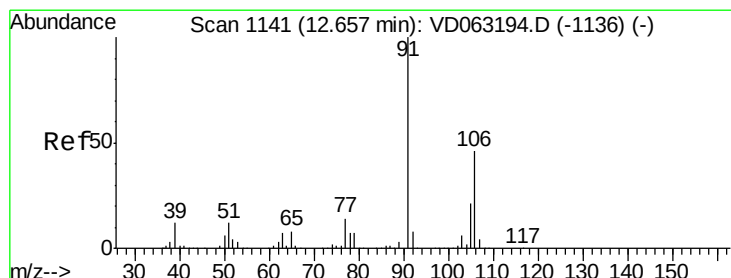
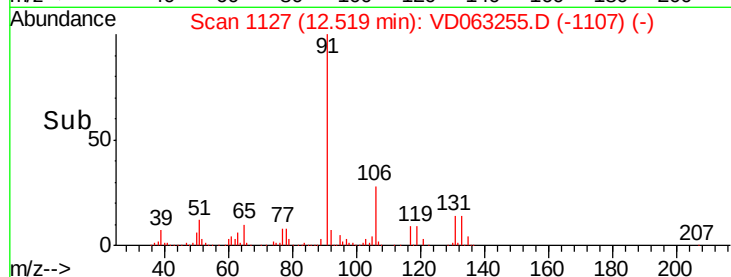
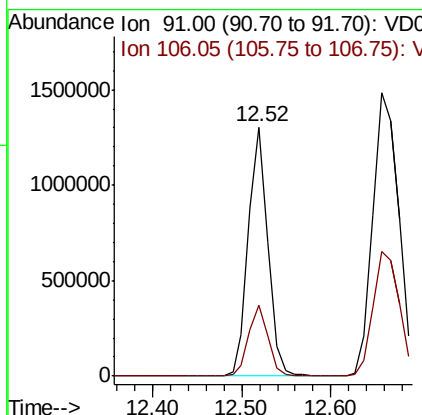
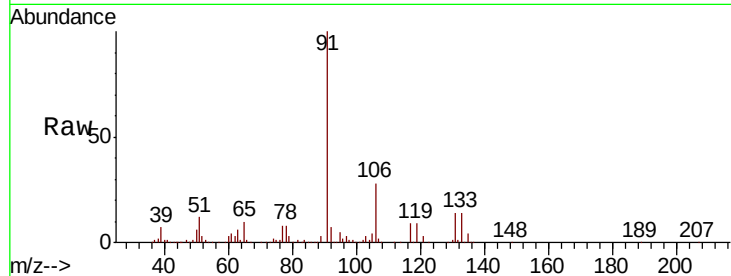




#67
Ethyl Benzene
Concen: 49.904 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VD063255.D
Acq: 30 Jul 2019 22:47

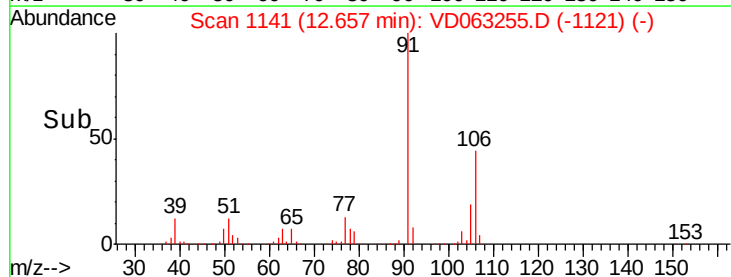
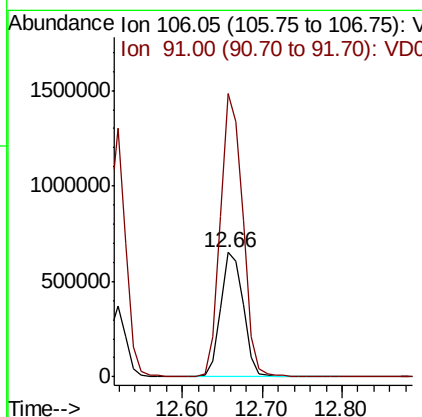
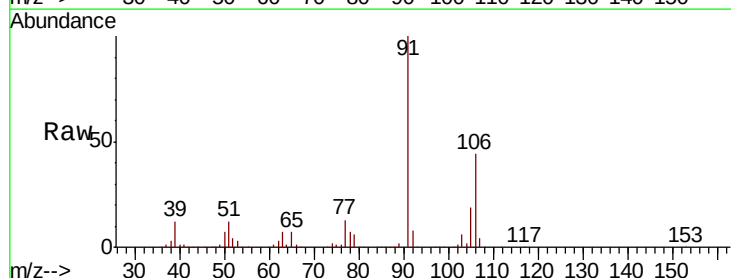
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

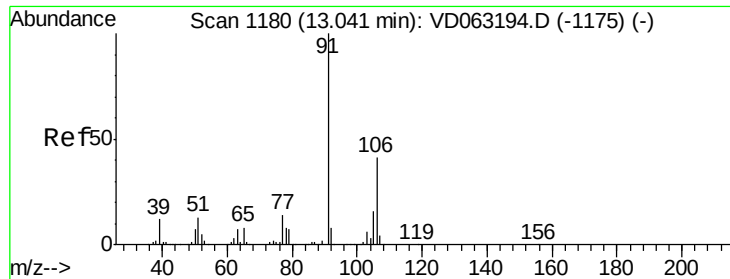
Tot Ion: 91 Resp: 1970406
Ion Ratio Lower Upper
91 100
106 28.5 22.9 34.3



#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

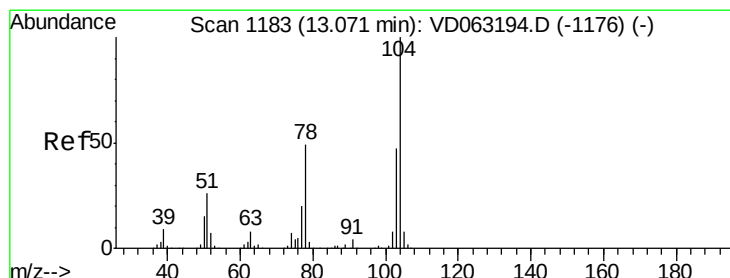
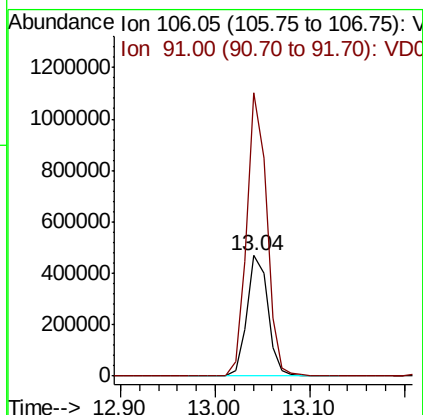
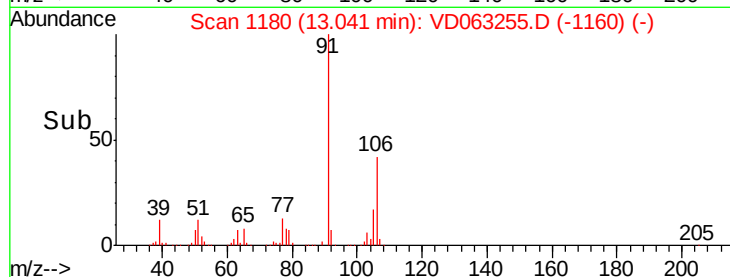
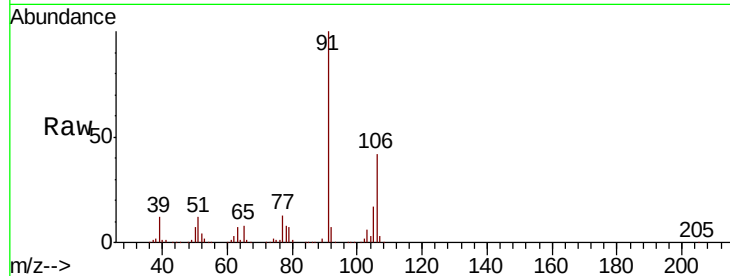




#69
o-Xylene
Concen: 53.794 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VD063255.D
Acq: 30 Jul 2019 22:47

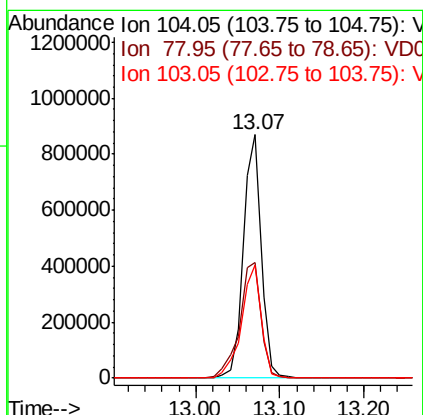
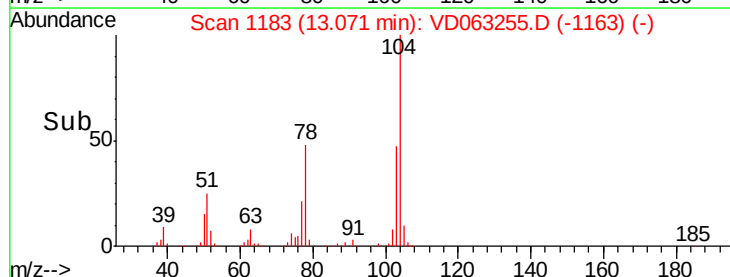
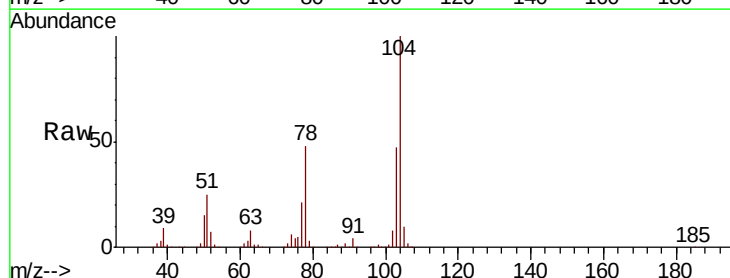
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

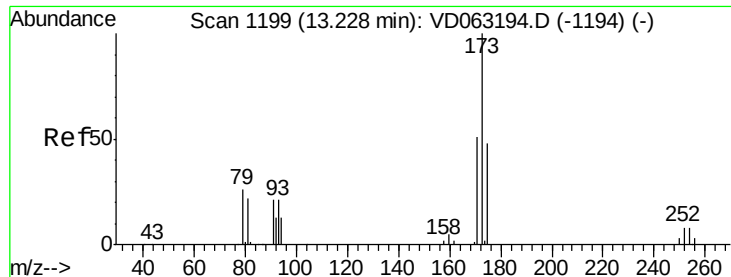
Tot Ion:106 Resp: 715305
Ion Ratio Lower Upper
106 100
91 235.4 121.3 363.9



#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

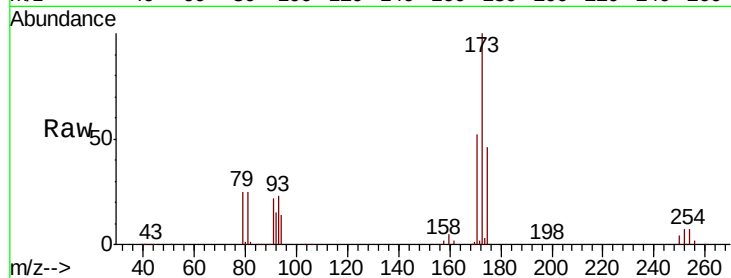
Tot Ion:173 Resp: 381506

Ion Ratio Lower Upper

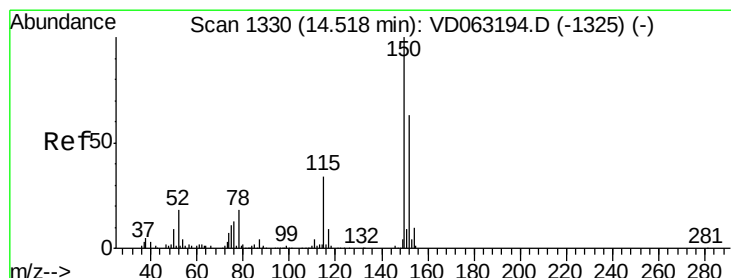
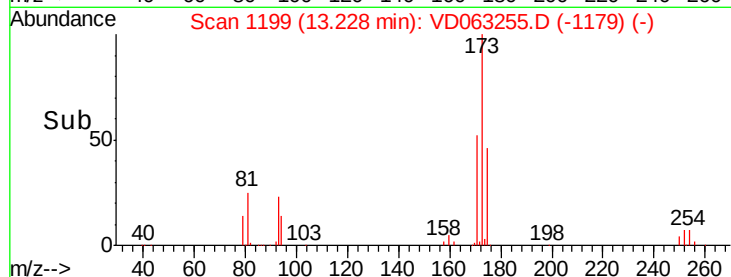
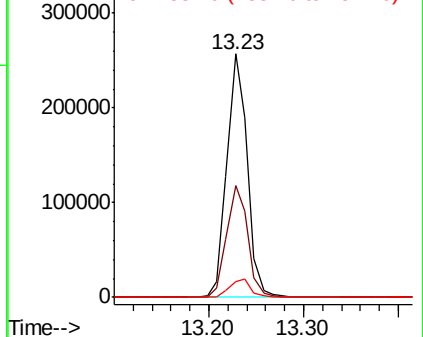
173 100

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

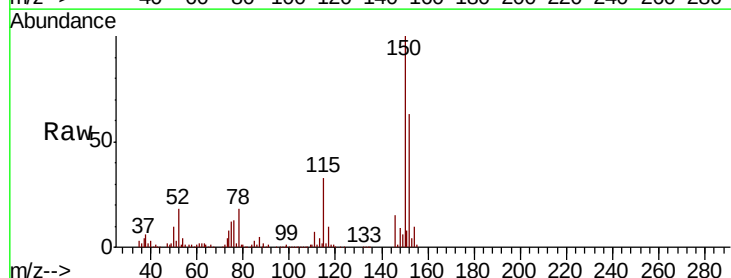
Tgt Ion:152 Resp: 609695

Ion Ratio Lower Upper

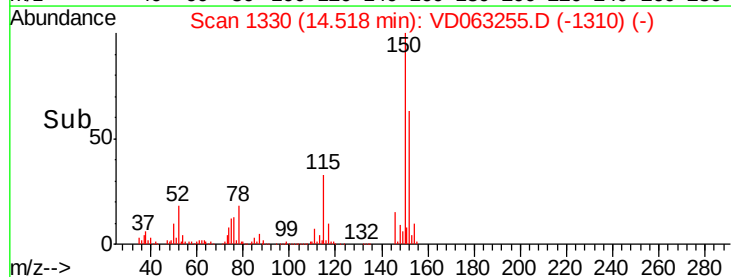
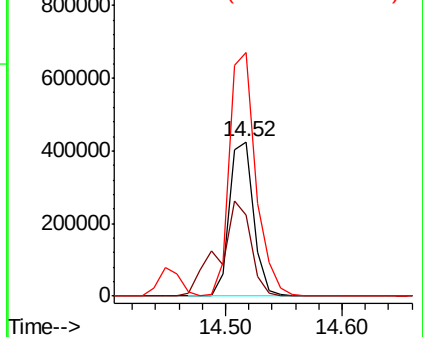
152 100

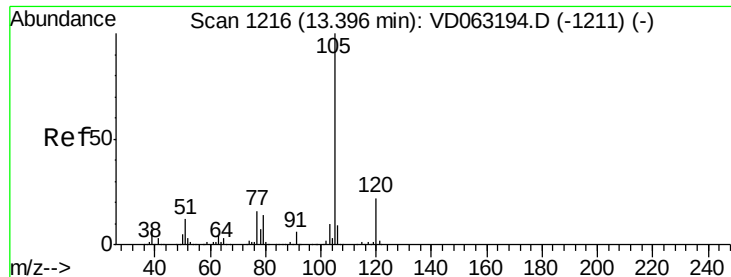
115 52.4 27.5 82.4

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 :

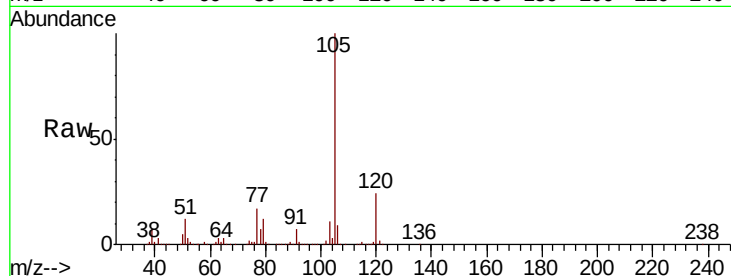
VSTDCCC050

Tot Ion:105 Resp: 2070045

Ion Ratio Lower Upper

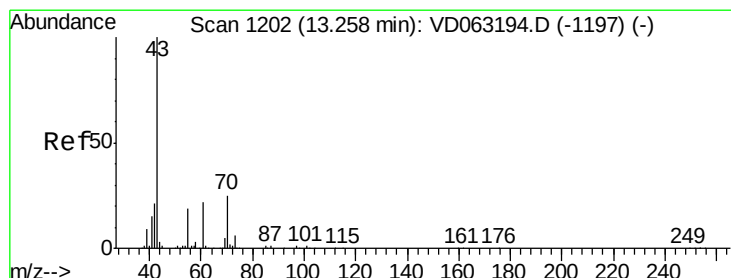
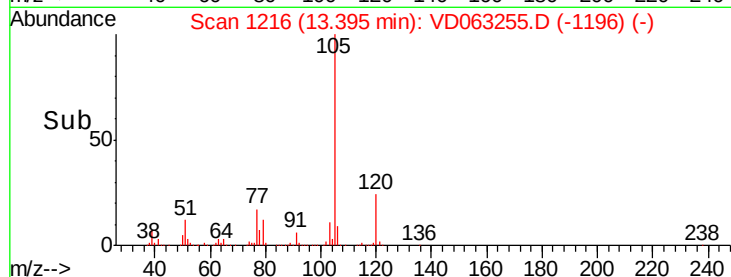
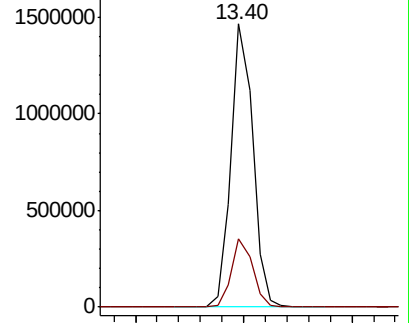
105 100

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

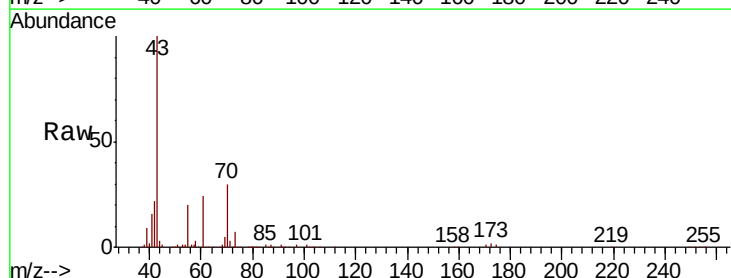
Ion Ratio Lower Upper

43 100

70 30.2 20.2 30.4

55 20.2 14.9 22.3

61 23.7 17.9 26.9

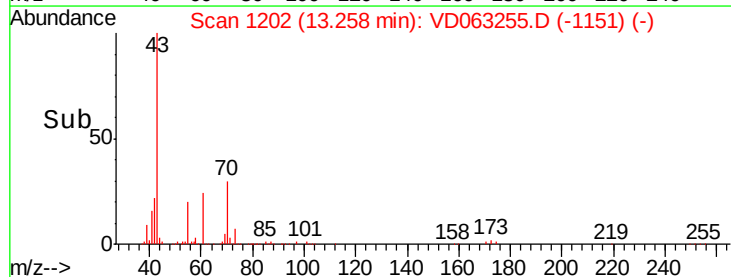
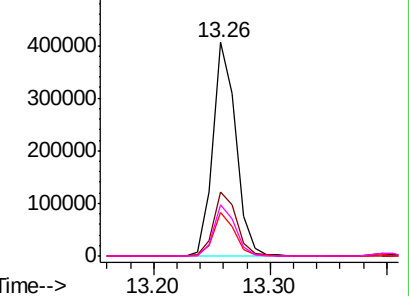


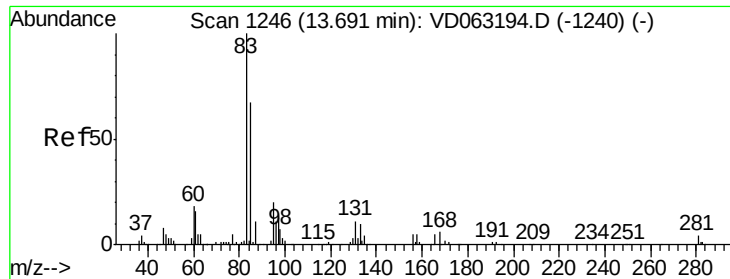
Abundance Ion 42.95 (42.65 to 43.65): VDC

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

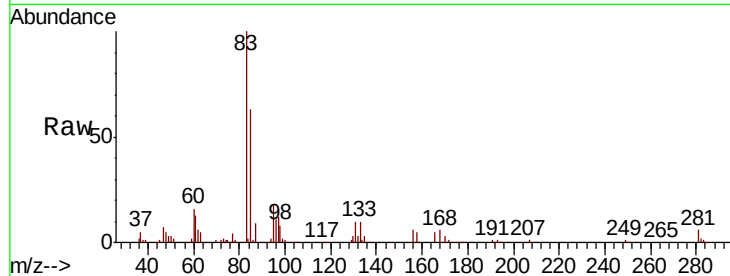
Tot Ion: 83 Resp: 365261

Ion Ratio Lower Upper

83 100

131 9.7 5.5 16.7

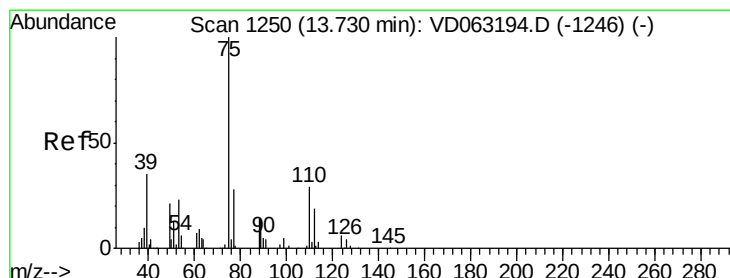
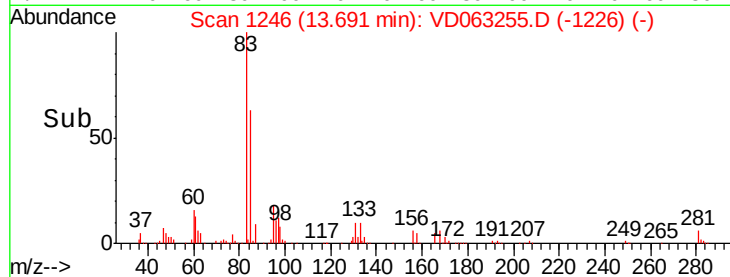
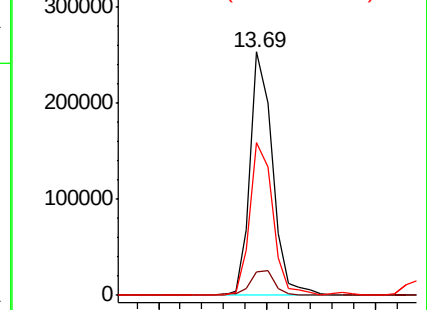
85 62.8 33.7 101.1



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

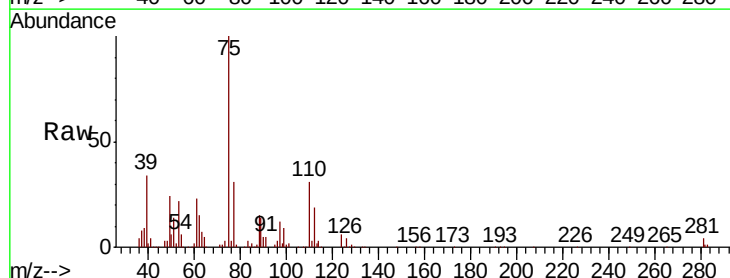
Acq: 30 Jul 2019 22:47

Tgt Ion: 75 Resp: 407786

Ion Ratio Lower Upper

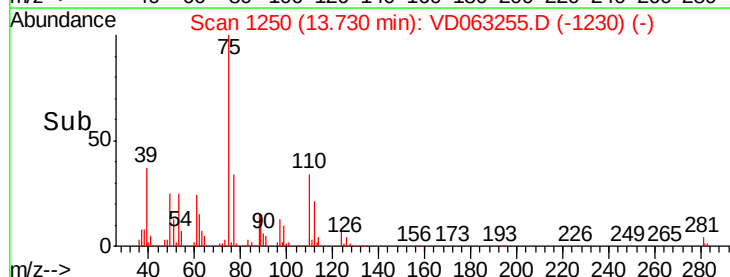
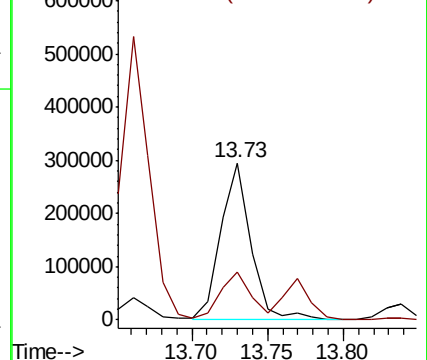
75 100

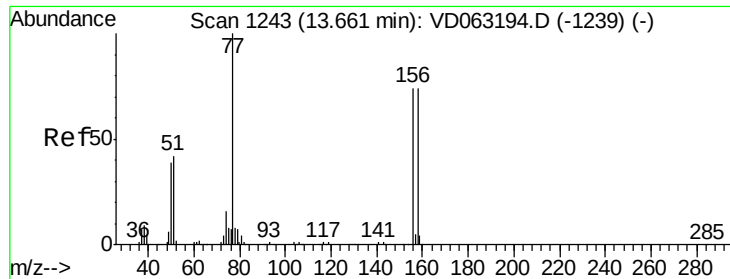
77 30.6 16.0 48.0



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

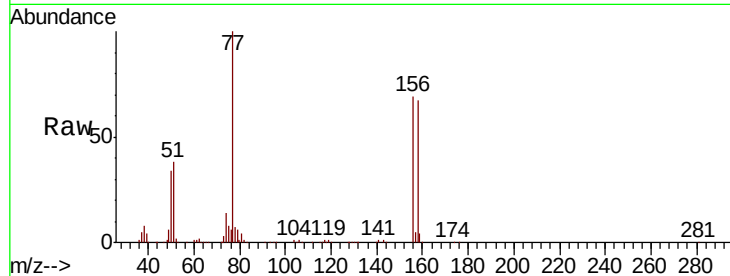
Tot Ion:156 Resp: 551813

Ion Ratio Lower Upper

156 100

77 144.4 67.6 202.8

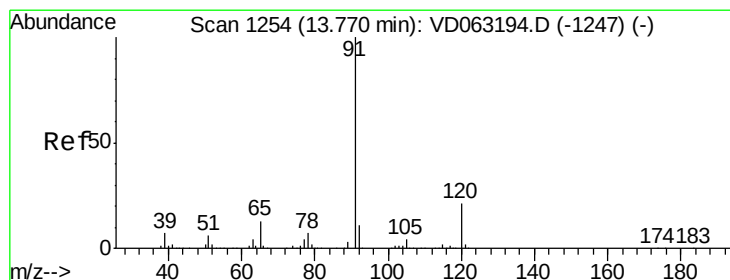
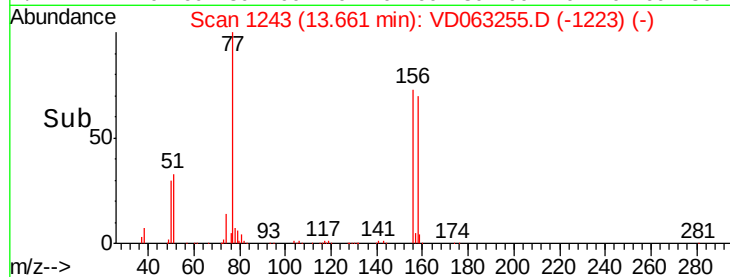
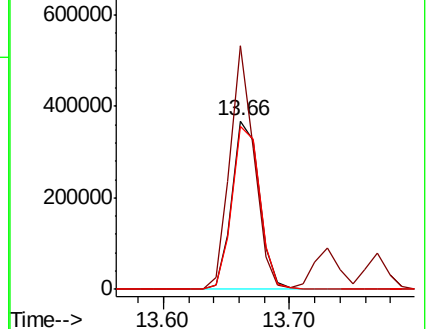
158 97.0 49.8 149.4



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

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

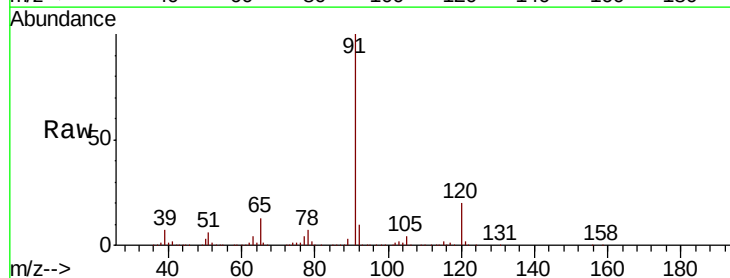
Acq: 30 Jul 2019 22:47

Tgt Ion: 91 Resp: 2323711

Ion Ratio Lower Upper

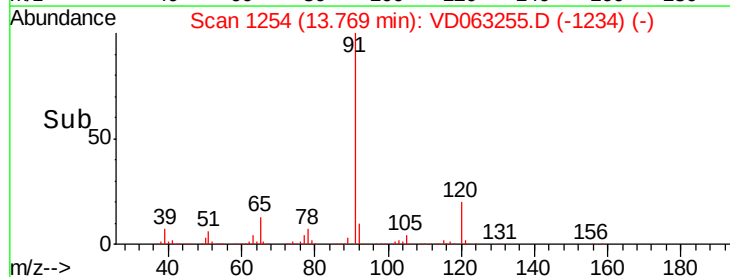
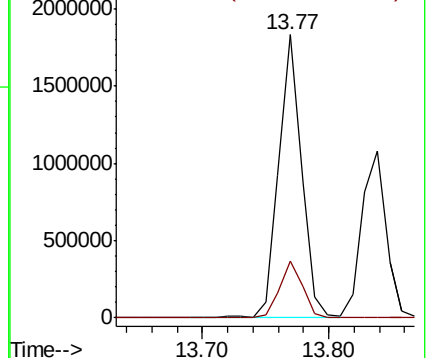
91 100

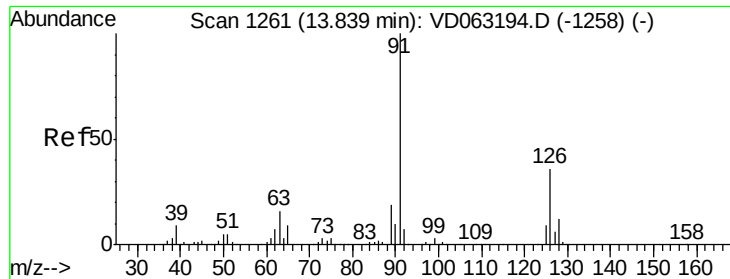
120 20.2 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

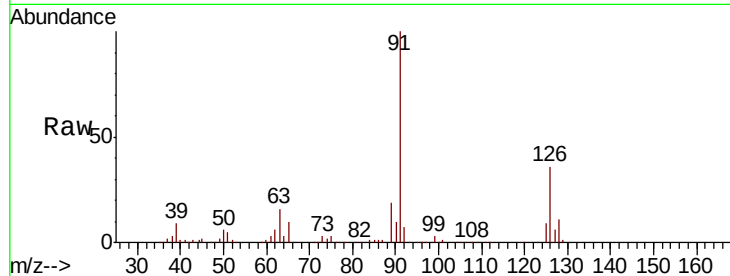




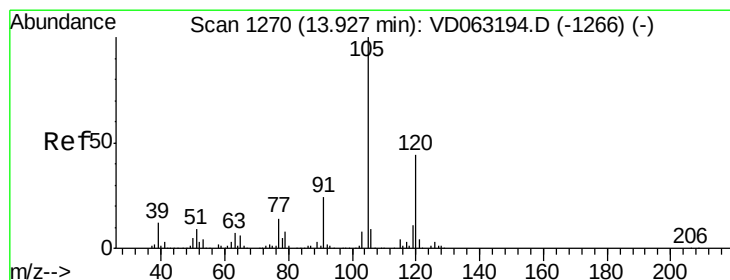
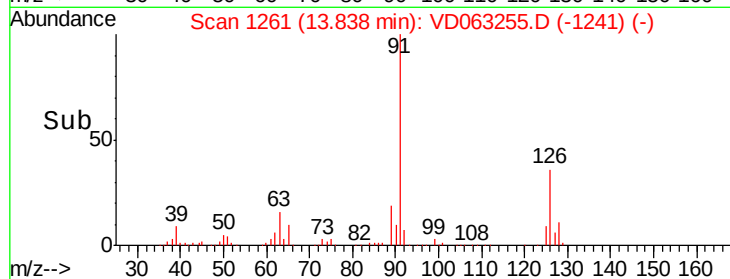
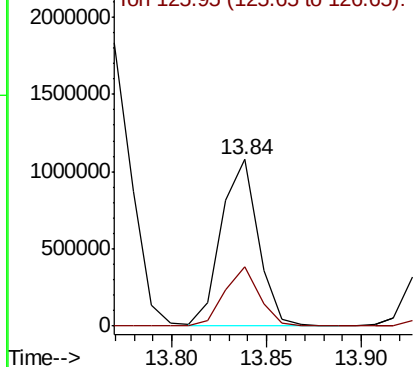
#79
 2-Chlorotoluene
 Concen: 54.789 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VD063255.D
 Acq: 30 Jul 2019 22:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

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

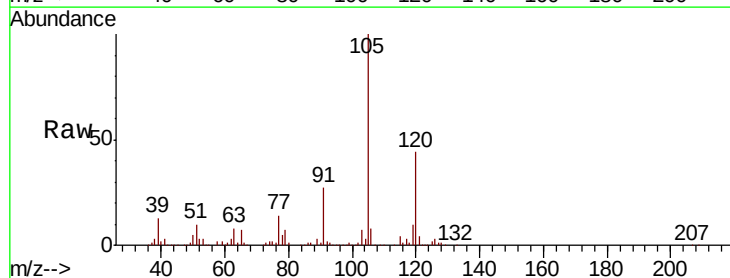


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

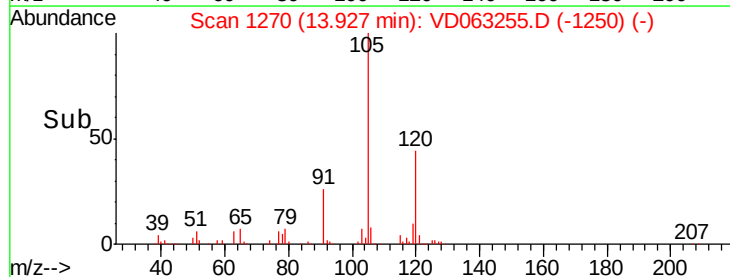
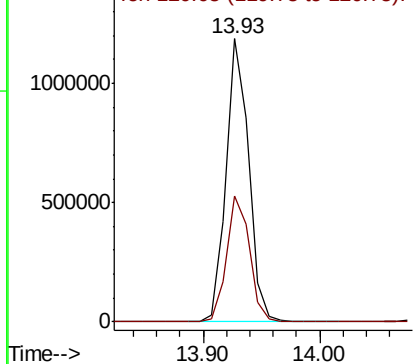


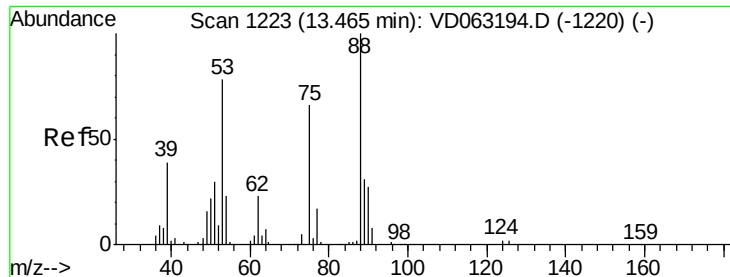
#80
 1,3,5-Trimethylbenzene
 Concen: 48.124 ug/l
 RT: 13.93 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD063255.D
 Acq: 30 Jul 2019 22:47

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 :

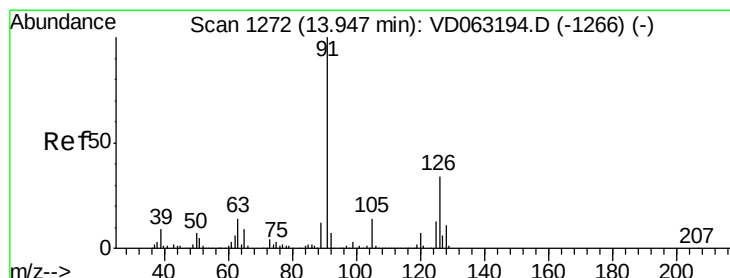
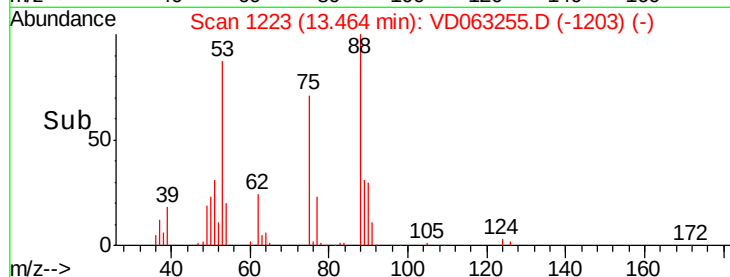
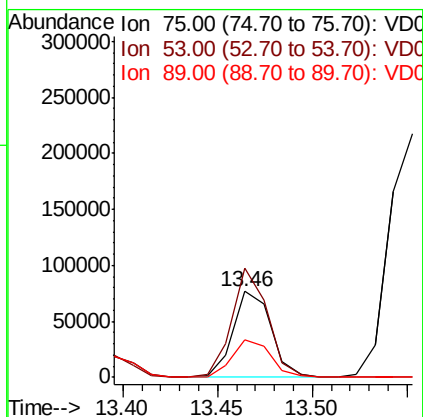
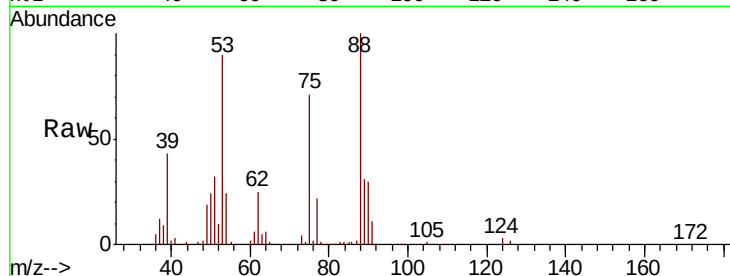
MSVOA_D

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



#82

4-Chlorotoluene

Concen: 51.133 ug/l

RT: 13.94 min Scan# 1271

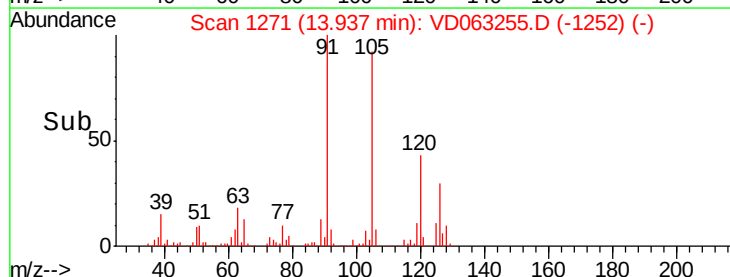
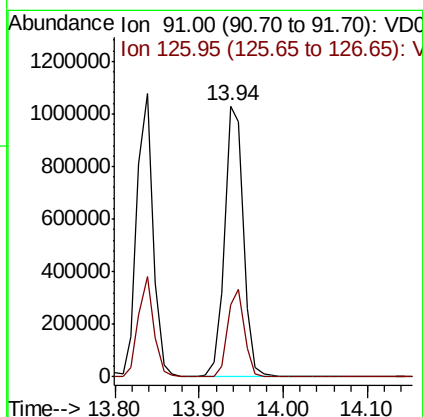
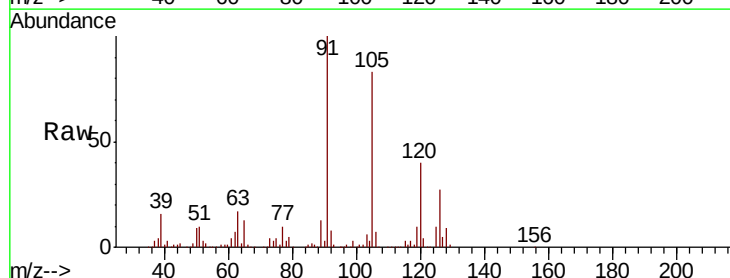
Delta R.T. -0.01 min

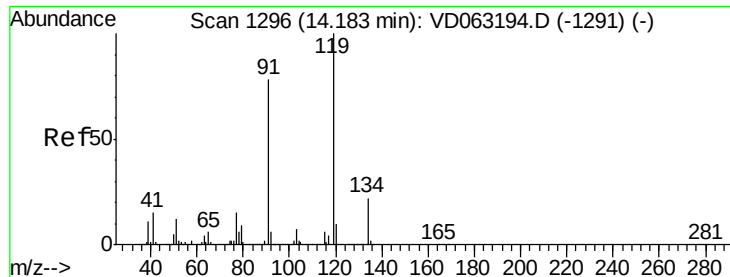
Lab File: VD063255.D

Acq: 30 Jul 2019 22:47

Tgt Ion: 91 Resp: 1587822

Ion	Ratio	Lower	Upper
91	100		
126	26.9	17.1	51.2

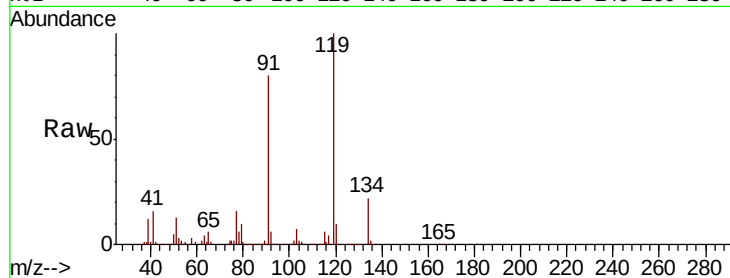




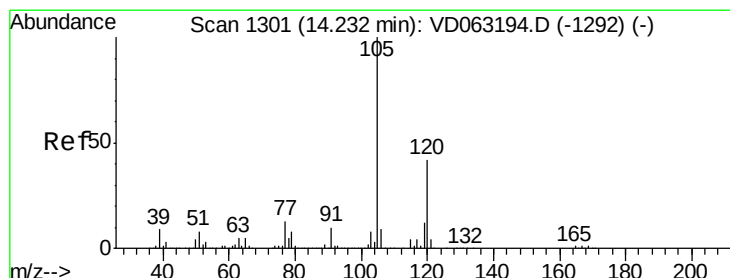
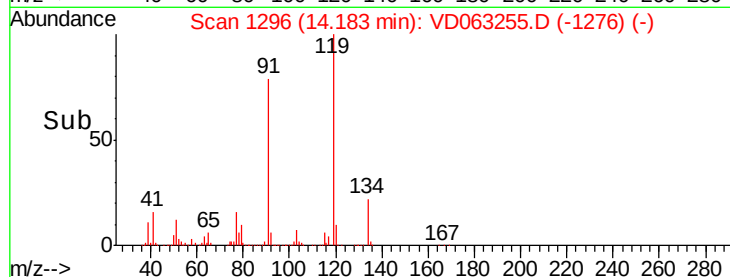
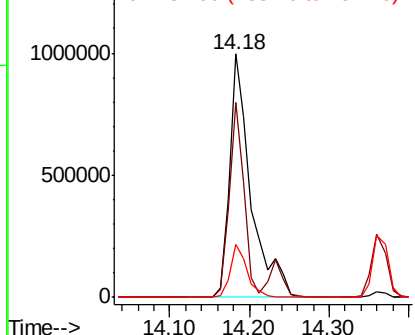
#83
 tert-Butylbenzene
 Concen: 49.513 ug/l
 RT: 14.18 min Scan# 1296
 Delta R.T. -0.00 min
 Lab File: VD063255.D
 Acq: 30 Jul 2019 22:47

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

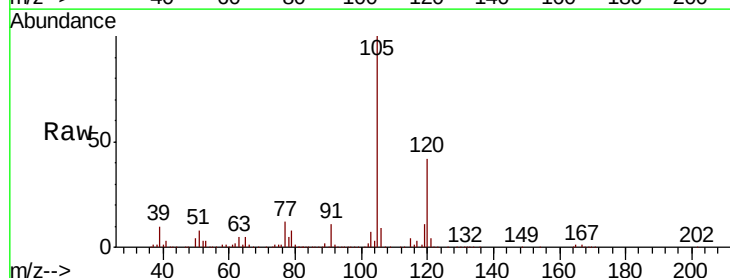


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

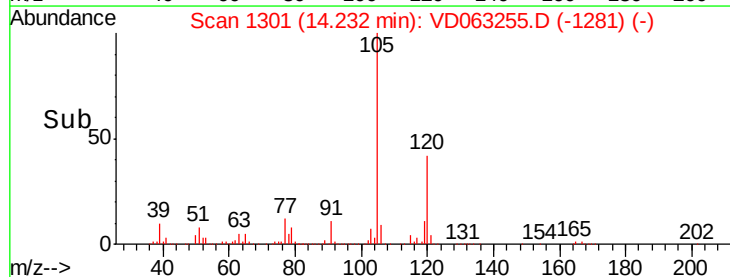
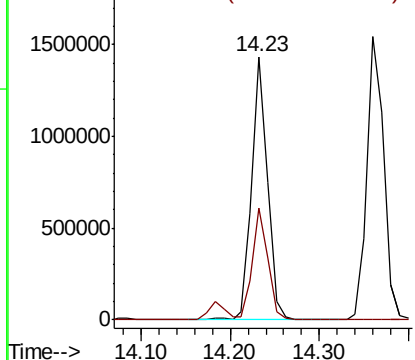


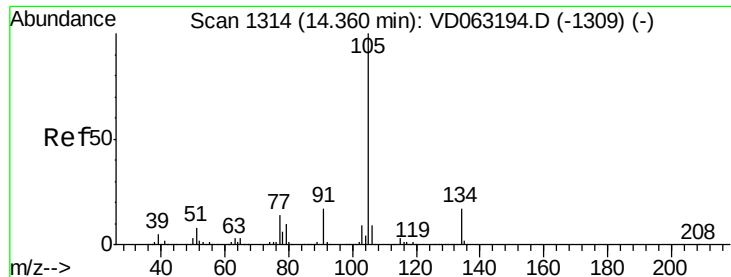
#84
 1,2,4-Trimethylbenzene
 Concen: 51.354 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. -0.00 min
 Lab File: VD063255.D
 Acq: 30 Jul 2019 22:47

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 :

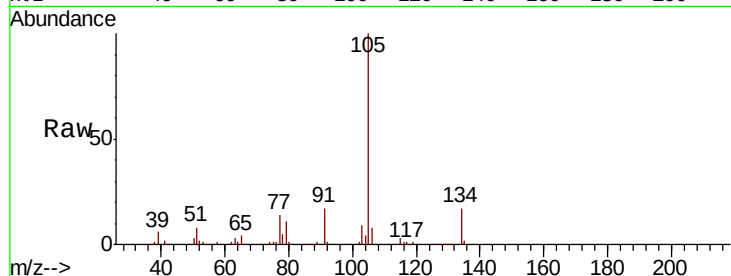
VSTDCCC050

Tot Ion:105 Resp: 1991315

Ion Ratio Lower Upper

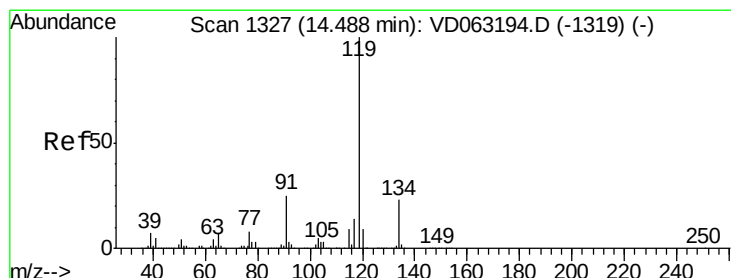
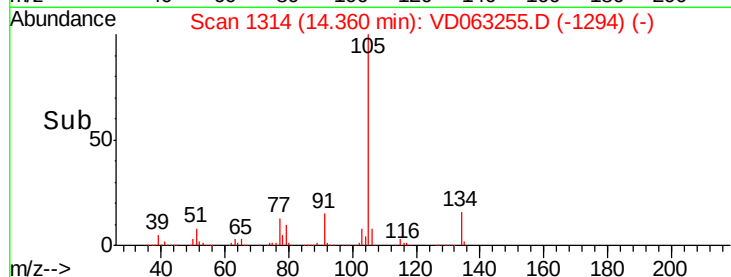
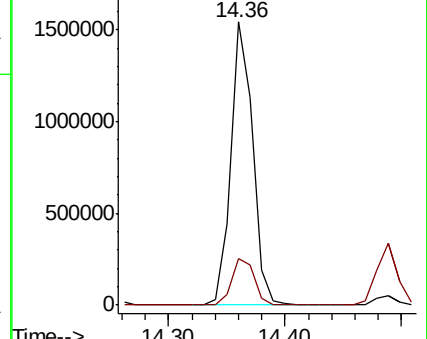
105 100

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

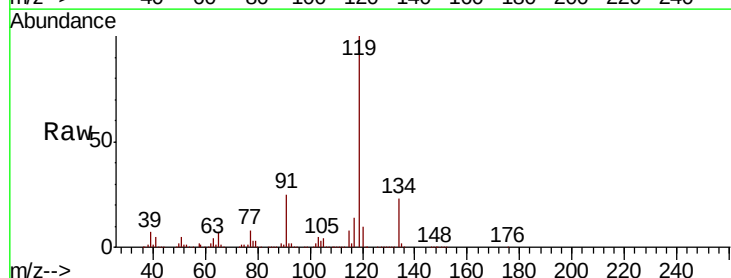
Tgt Ion:119 Resp: 1804668

Ion Ratio Lower Upper

119 100

134 23.3 11.5 34.5

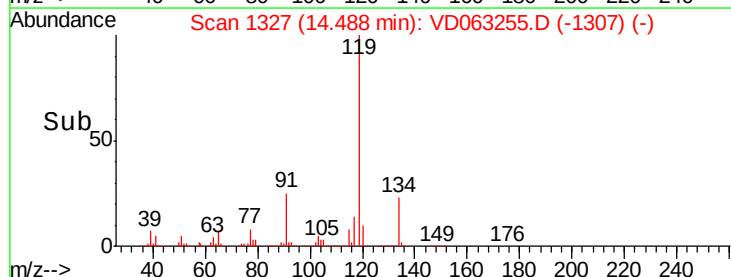
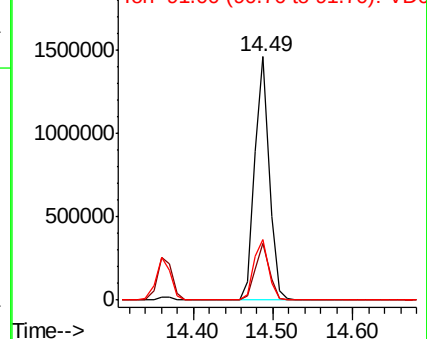
91 24.7 12.6 37.6

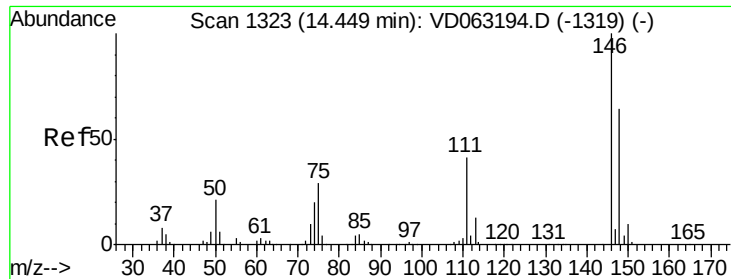


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

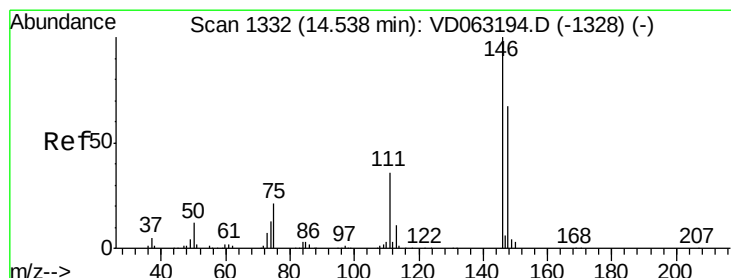
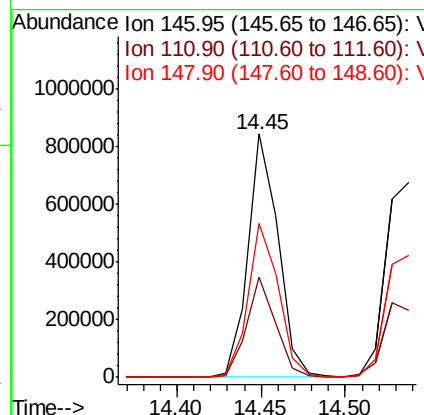
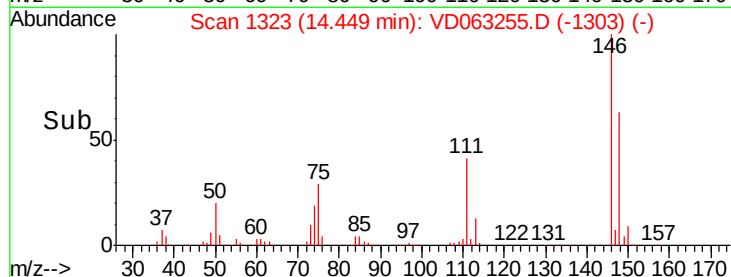
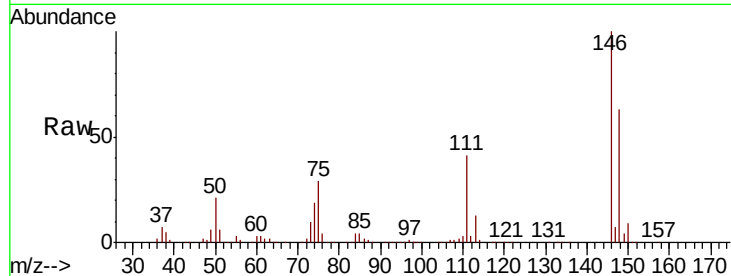




#87
 1,3-Dichlorobenzene
 Concen: 54.514 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VD063255.D
 Acq: 30 Jul 2019 22:47

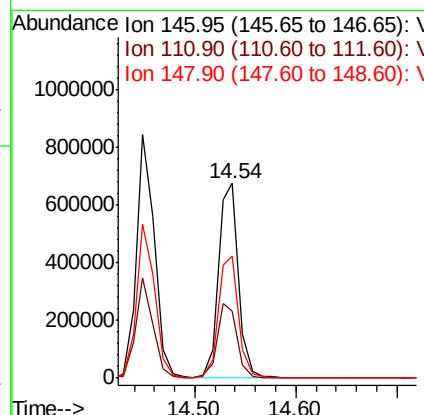
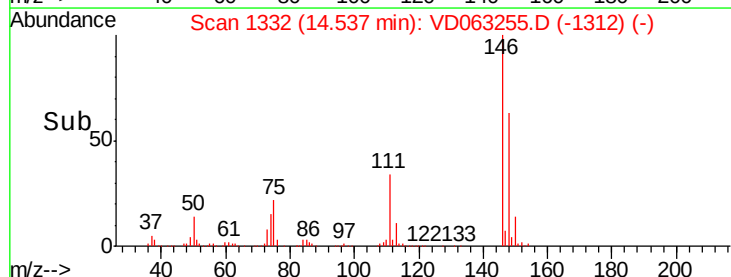
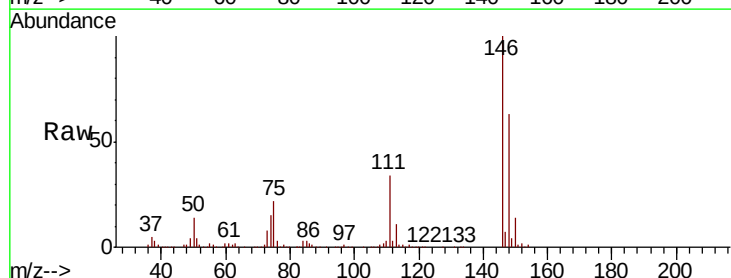
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

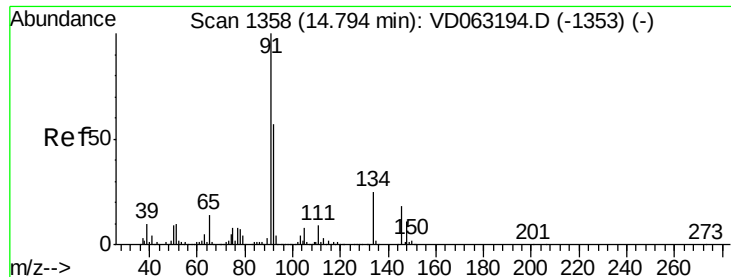
Tot Ion:146 Resp: 1052371
 Ion Ratio Lower Upper
 146 100
 111 41.2 20.4 61.3
 148 63.1 31.8 95.4



#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

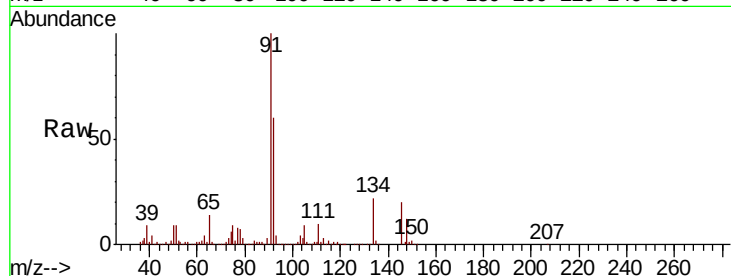
Tot Ion: 91 Resp: 1739228

Ion	Ratio	Lower	Upper
91	100		
92	60.2	28.3	85.0
134	22.4	12.3	36.8

91 100

92 60.2 28.3 85.0

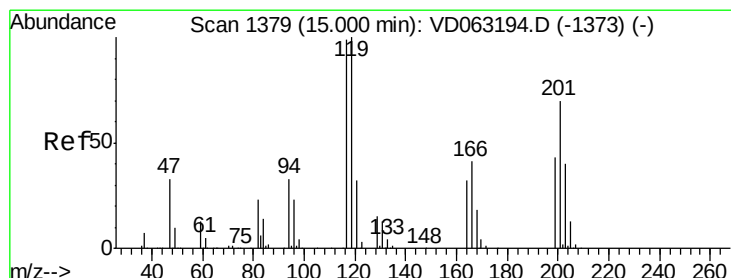
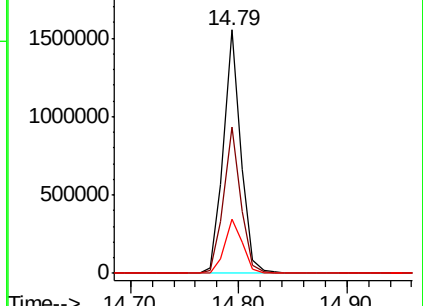
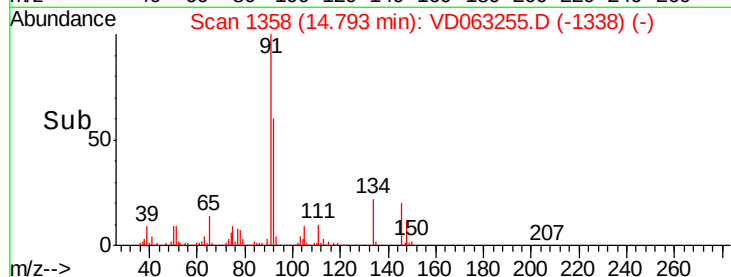
134 22.4 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 50.549 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.00 min

Lab File: VD063255.D

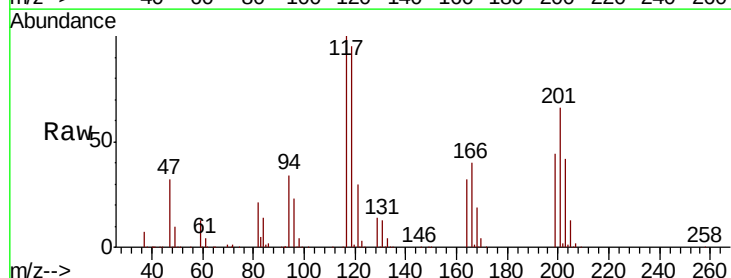
Acq: 30 Jul 2019 22:47

Tgt Ion: 117 Resp: 499078

Ion	Ratio	Lower	Upper
117	100		
201	66.3	35.2	105.6

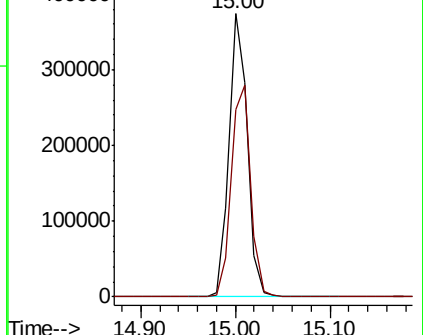
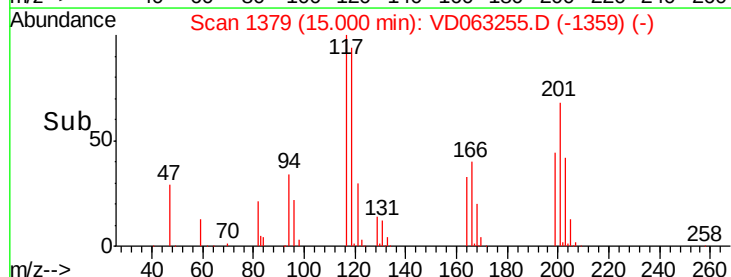
117 100

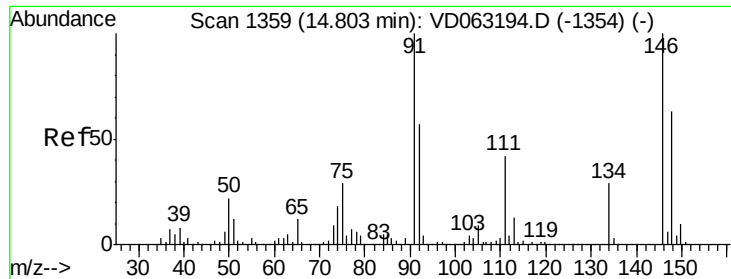
201 66.3 35.2 105.6



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

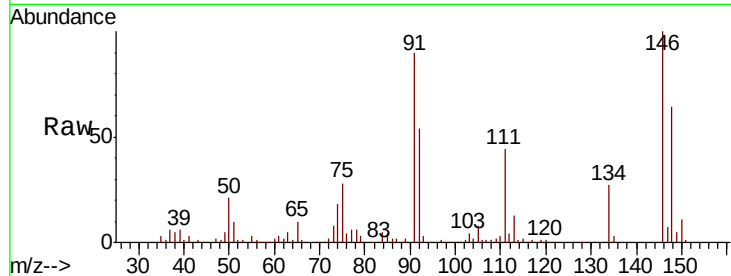




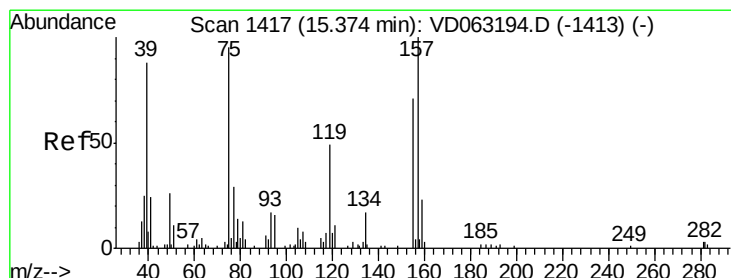
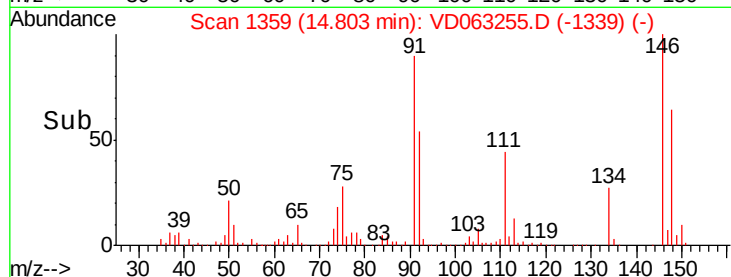
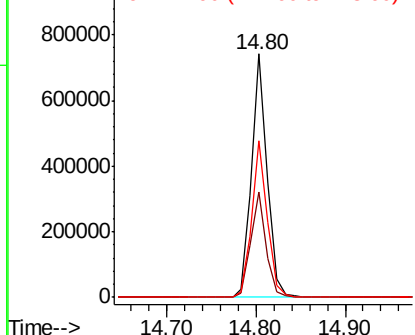
#91
 1,2-Dichlorobenzene
 Concen: 52.685 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VD063255.D
 Acq: 30 Jul 2019 22:47

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

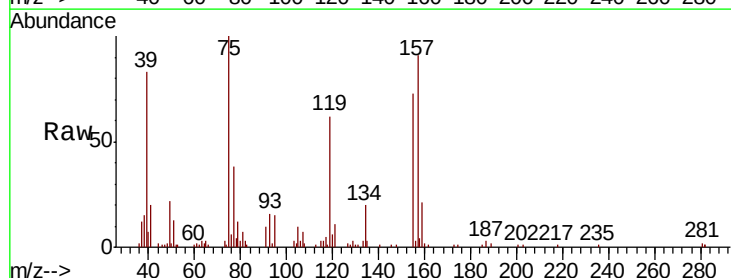


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

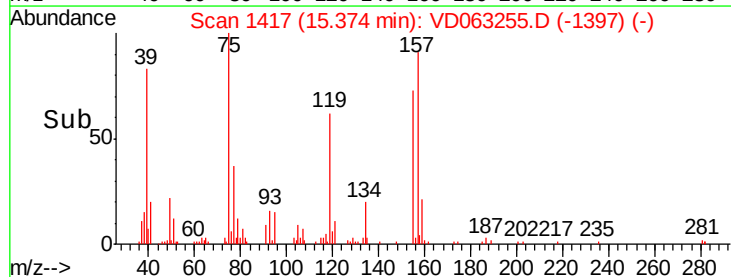
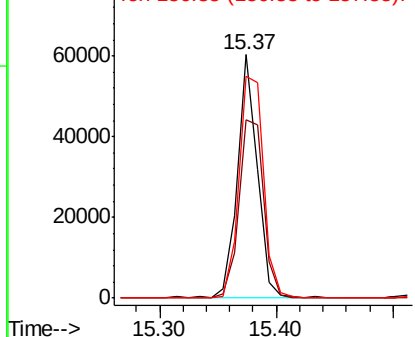


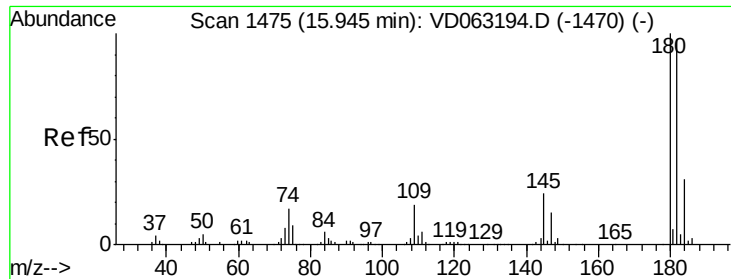
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.117 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. -0.00 min
 Lab File: VD063255.D
 Acq: 30 Jul 2019 22:47

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

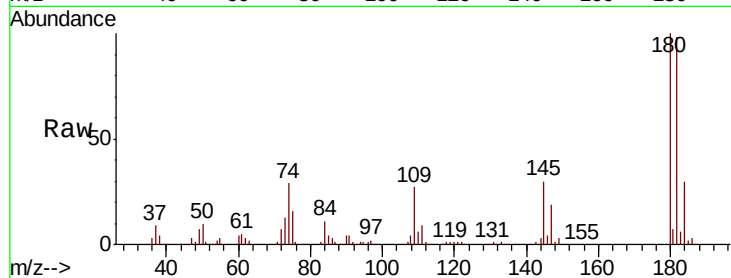




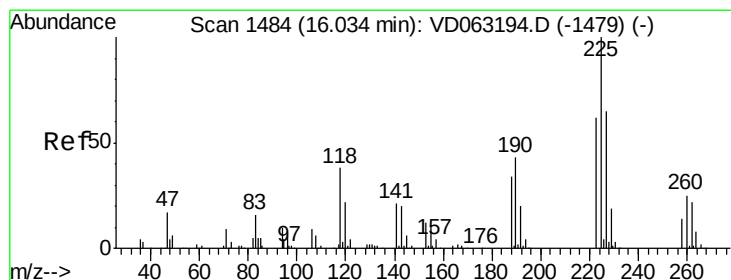
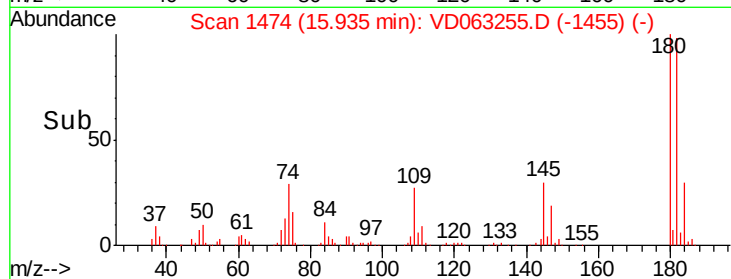
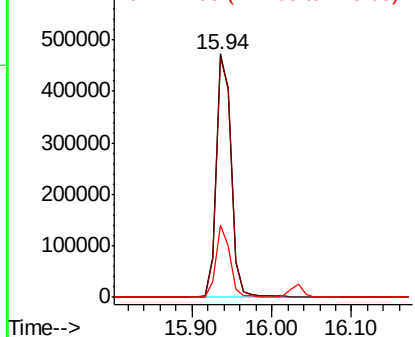
#93
 1,2,4-Trichlorobenzene
 Concen: 46.957 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD063255.D
 Acq: 30 Jul 2019 22:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 626558
 Ion Ratio Lower Upper
 180 100
 182 98.2 48.6 145.8
 145 29.7 12.2 36.6

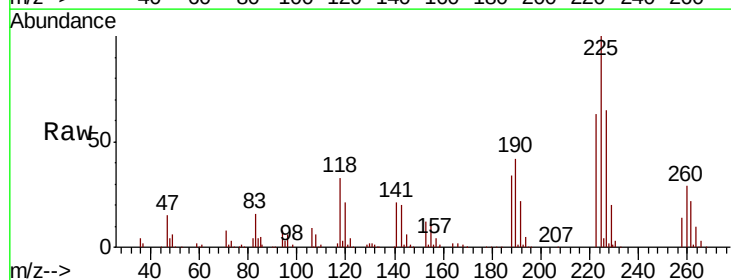


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

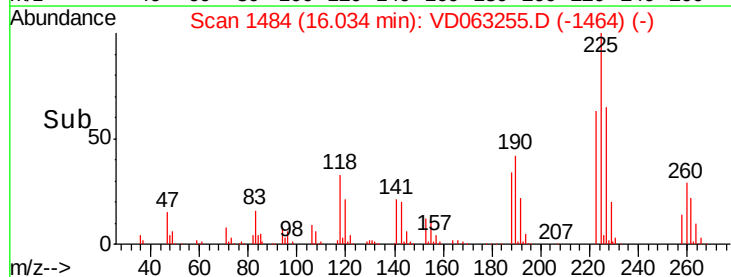
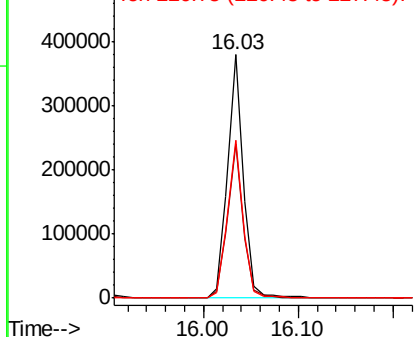


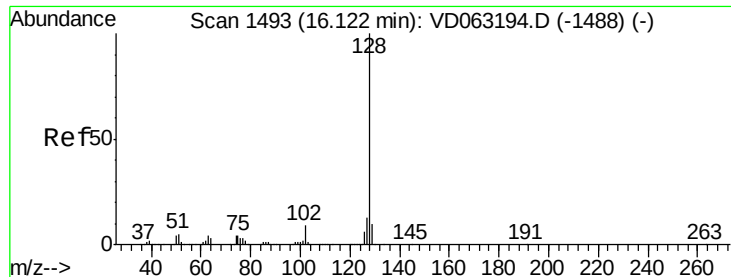
#94
 Hexachlorobutadiene
 Concen: 45.255 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD063255.D
 Acq: 30 Jul 2019 22:47

Tgt Ion:225 Resp: 437601
 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

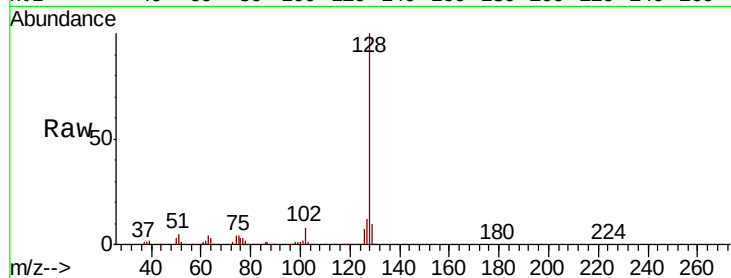




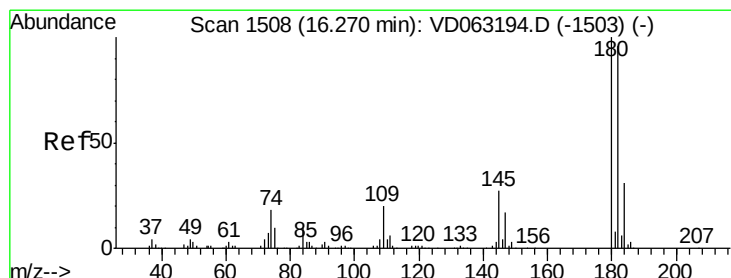
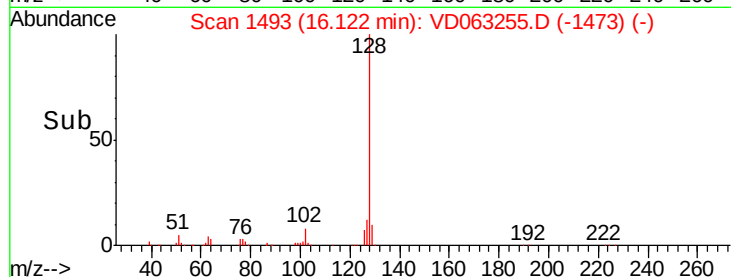
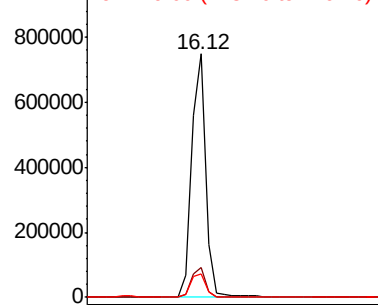
#95
Naphthalene
Concen: 49.947 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD063255.D
Acq: 30 Jul 2019 22:47

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

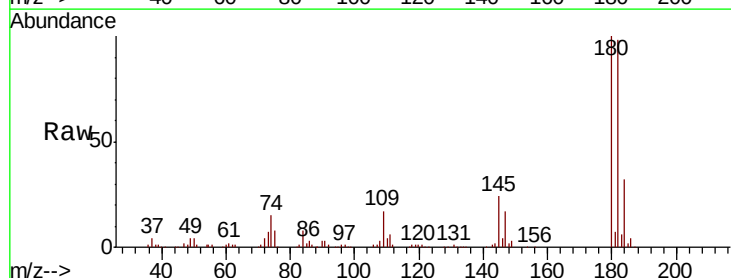


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#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

