

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082319\
 Data File : VD063754.D
 Acq On : 23 Aug 2019 9:24
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 26 01:02:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	1009448	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.22	114	1414923	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.37	117	1176051	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	634342	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	559998	51.90	ug/l	-0.02
Spiked Amount			Recovery	=	103.80%	
35) Dibromofluoromethane	6.93	113	619803	52.01	ug/l	0.00
Spiked Amount			Recovery	=	104.02%	
50) Toluene-d8	10.41	98	1463781	55.87	ug/l	0.00
Spiked Amount			Recovery	=	111.74%	
62) 4-Bromofluorobenzene	13.55	95	585230	49.28	ug/l	0.00
Spiked Amount			Recovery	=	98.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	546173	44.722	ug/l	98
3) Chloromethane	1.75	50	425332	44.576	ug/l	99
4) Vinyl Chloride	1.85	62	450667	47.578	ug/l	98
5) Bromomethane	2.15	94	200078	44.765	ug/l	97
6) Chloroethane	2.26	64	220070	50.805	ug/l	97
7) Trichlorofluoromethane	2.53	101	1001630	53.910	ug/l	97
8) Diethyl Ether	2.87	74	121187	46.197	ug/l	75
9) 1,1,2-Trichlorotrifluoroet	3.15	101	565901	51.582	ug/l	97
10) Methyl Iodide	3.30	142	689979	44.449	ug/l	96
11) Tert butyl alcohol	4.07	59	118012	251.239	ug/l #	94
12) 1,1-Dichloroethene	3.12	96	386513	47.386	ug/l	88
13) Acrolein	3.03	56	85991	185.986	ug/l	93
14) Allyl chloride	3.62	41	627117	51.143	ug/l	97
15) Acrylonitrile	4.19	53	311740	250.559	ug/l	96
16) Acetone	3.22	43	661999	301.809	ug/l	94
17) Carbon Disulfide	3.36	76	1140577	44.306	ug/l	98
18) Methyl Acetate	3.64	43	202858	48.827	ug/l	97
19) Methyl tert-butyl Ether	4.24	73	898117	55.057	ug/l	98
20) Methylene Chloride	3.81	84	417679	44.037	ug/l	95
21) trans-1,2-Dichloroethene	4.22	96	431766	50.302	ug/l	97
22) Diisopropyl ether	5.13	45	1322380	52.262	ug/l	97
23) Vinyl Acetate	5.06	43	4036274	274.390	ug/l	99
24) 1,1-Dichloroethane	4.99	63	824604	52.544	ug/l	97
25) 2-Butanone	6.08	43	589226	271.994	ug/l	95
26) 2,2-Dichloropropane	6.02	77	854970	54.696	ug/l	99
27) cis-1,2-Dichloroethene	6.03	96	479026	51.008	ug/l	94
28) Bromochloromethane	6.44	49	353422	55.566	ug/l	94
29) Tetrahydrofuran	6.46	42	252569	250.205	ug/l	96
30) Chloroform	6.66	83	994176	50.965	ug/l	95
31) Cyclohexane	6.96	56	484489	49.728	ug/l	98
32) 1,1,1-Trichloroethane	6.87	97	944721	50.628	ug/l	99
36) 1,1-Dichloropropene	7.14	75	617975	49.405	ug/l	97
37) Ethyl Acetate	6.19	43	264501	50.465	ug/l	97
38) Carbon Tetrachloride	7.10	117	1035727	54.942	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	517231	48.629	ug/l	94
40) Benzene	7.46	78	1366897	49.658	ug/l	97
41) Methacrylonitrile	6.46	41	346223	52.463	ug/l #	98
42) 1,2-Dichloroethane	7.58	62	666031	48.121	ug/l	99
43) Isopropyl Acetate	9.24	43	374687	53.376	ug/l #	94
44) Trichloroethene	8.54	130	517586	49.195	ug/l	99
45) 1,2-Dichloropropane	8.94	63	350793	54.724	ug/l	100
46) Dibromomethane	9.06	93	290435	53.055	ug/l	97
47) Bromodichloromethane	9.38	83	776558	55.303	ug/l	97
48) Methyl methacrylate	9.12	41	250434	52.605	ug/l	95
49) 1,4-Dioxane	9.08	88	43498	1022.614	ug/l #	80
51) 4-Methyl-2-Pentanone	10.30	43	1283016	267.102	ug/l	98
52) Toluene	10.51	92	907259	51.172	ug/l	98
53) t-1,3-Dichloropropene	10.91	75	649253	56.656	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	710688	55.000	ug/l	96
55) 1,1,2-Trichloroethane	11.19	97	320963	53.593	ug/l	95
56) Ethyl methacrylate	11.04	69	338344	52.050	ug/l	95
57) 1,3-Dichloropropane	11.41	76	479282	52.943	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.86	63	1002961	292.258	ug/l	97
59) 2-Hexanone	11.53	43	1033207	295.613	ug/l	99
60) Dibromochloromethane	11.68	129	585075	53.687	ug/l	98
61) 1,2-Dibromoethane	11.81	107	378703	52.234	ug/l	95
64) Tetrachloroethene	11.26	164	469740	51.740	ug/l	95
65) Chlorobenzene	12.40	112	1166096	52.903	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.51	131	523053	53.920	ug/l	95
67) Ethyl Benzene	12.52	91	1988941	51.896	ug/l	100
68) m/p-Xylenes	12.67	106	1360735	101.057	ug/l	94
69) o-Xylene	13.05	106	669400	51.653	ug/l	94
70) Styrene	13.07	104	1089355	47.256	ug/l	97
71) Bromoform	13.23	173	368436	55.390	ug/l #	98
73) Isopropylbenzene	13.41	105	1915105	47.465	ug/l	98
74) N-amyl acetate	13.27	43	526541	51.986	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	373854	55.824	ug/l	98
76) 1,2,3-Trichloropropane	13.73	75	370957	50.955	ug/l	96
77) Bromobenzene	13.67	156	581649	52.747	ug/l	87
78) n-propylbenzene	13.77	91	2358563	49.961	ug/l	95
79) 2-Chlorotoluene	13.84	91	1297035	47.651	ug/l	94
80) 1,3,5-Trimethylbenzene	13.93	105	1543768	43.791	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.47	75	101567	51.907	ug/l	93
82) 4-Chlorotoluene	13.95	91	1481795	45.272	ug/l	96
83) tert-Butylbenzene	14.19	119	2019055	54.388	ug/l	96
84) 1,2,4-Trimethylbenzene	14.23	105	1723237	52.830	ug/l	93
85) sec-Butylbenzene	14.37	105	2010629	51.000	ug/l	97
86) p-Isopropyltoluene	14.49	119	1986935	52.711	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	982000	49.233	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	945914	49.429	ug/l	97
89) n-Butylbenzene	14.79	91	1697361	49.337	ug/l	95
90) Hexachloroethane	15.01	117	538434	56.830	ug/l	84
91) 1,2-Dichlorobenzene	14.80	146	859054	50.763	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.38	75	63482	50.343	ug/l	99

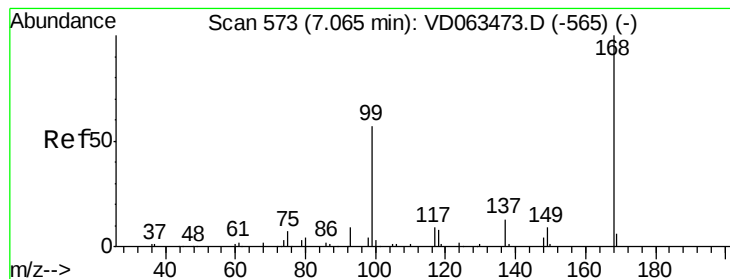
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD082319\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	705409	56.649	ug/l	97
94) Hexachlorobutadiene	16.03	225	483575	50.955	ug/l	99
95) Naphthalene	16.12	128	928828	49.219	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	524405	52.141	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.02 min

Lab File: VD063754.D

Acq: 23 Aug 2019 9:24

Instrument :

MSVOA_D

ClientSampleId :

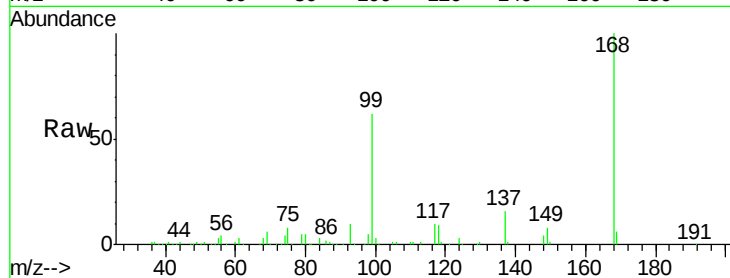
VSTDCCC050

Tot Ion:168 Resp: 1009448

Ion Ratio Lower Upper

168 100

99 62.2 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

400000

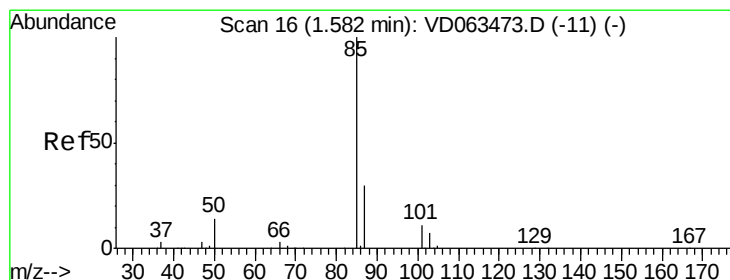
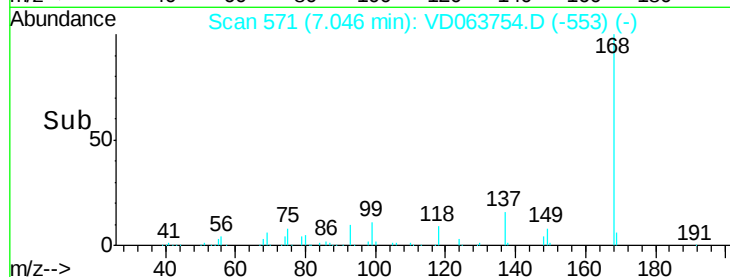
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 44.722 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.01 min

Lab File: VD063754.D

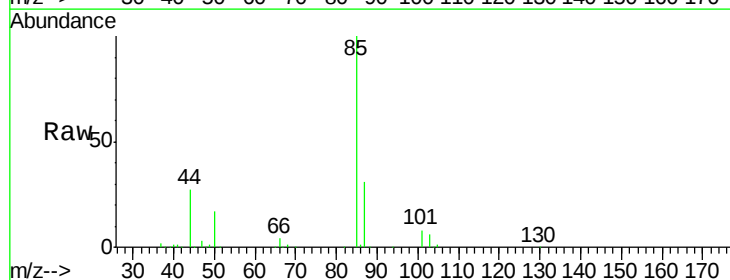
Acq: 23 Aug 2019 9:24

Tgt Ion: 85 Resp: 546173

Ion Ratio Lower Upper

85 100

87 30.8 15.0 45.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

250000

200000

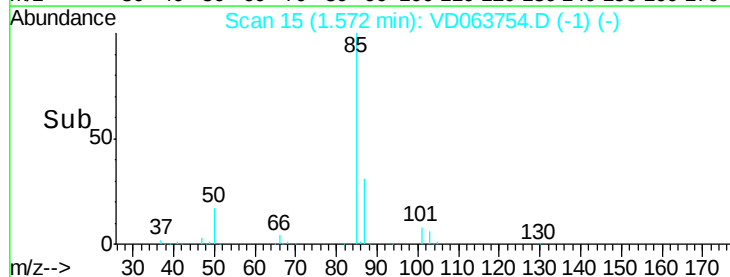
150000

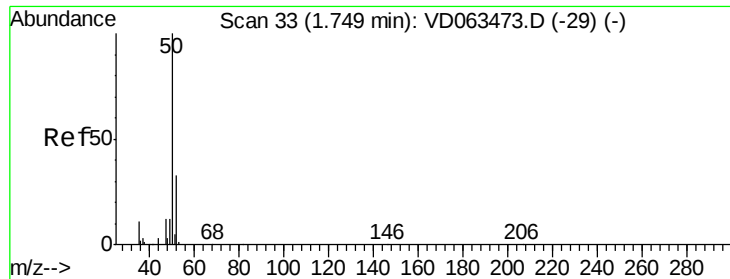
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50000

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Time-->

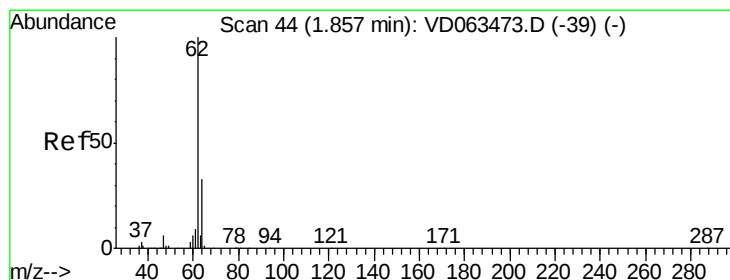
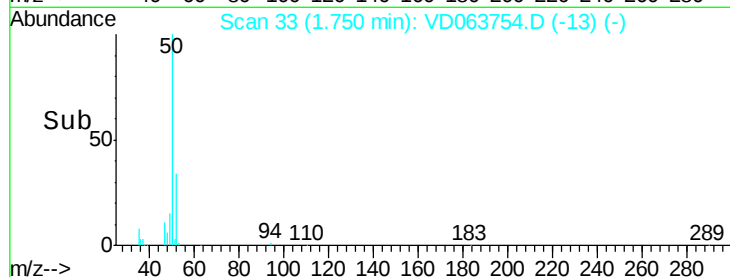
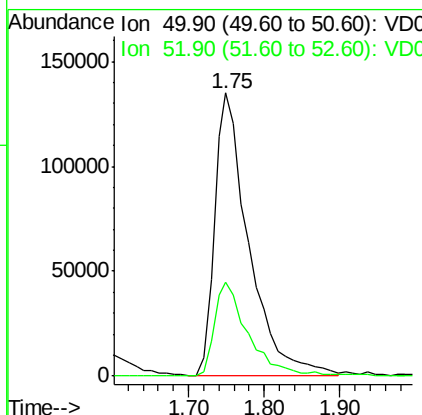
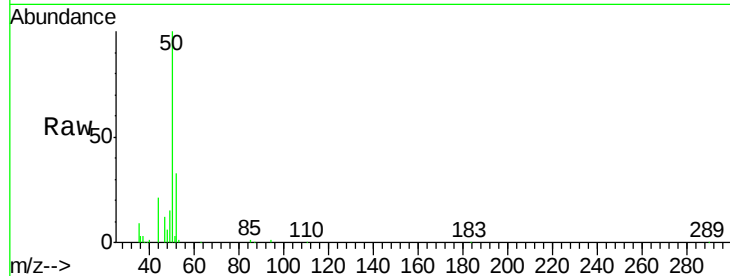




#3
 Chloromethane
 Concen: 44.576 ug/l
 RT: 1.75 min Scan# 33
 Delta R.T. 0.00 min
 Lab File: VD063754.D
 Acq: 23 Aug 2019 9:24

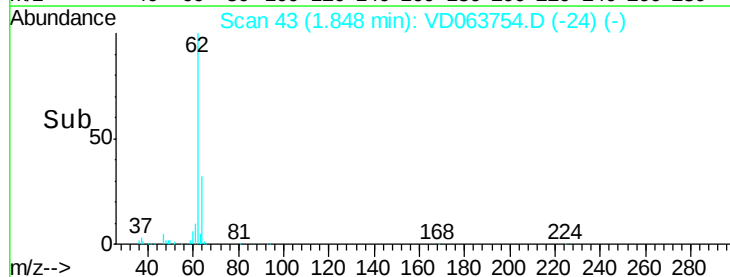
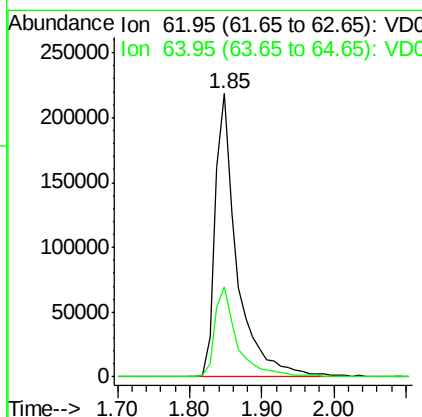
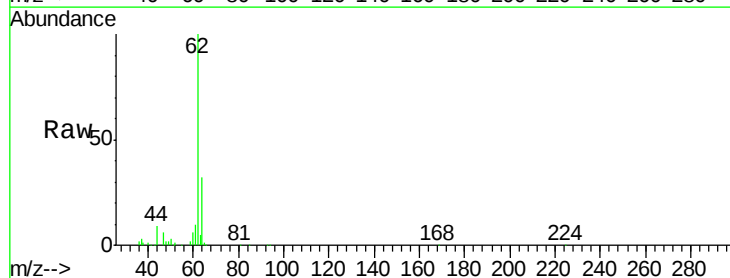
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

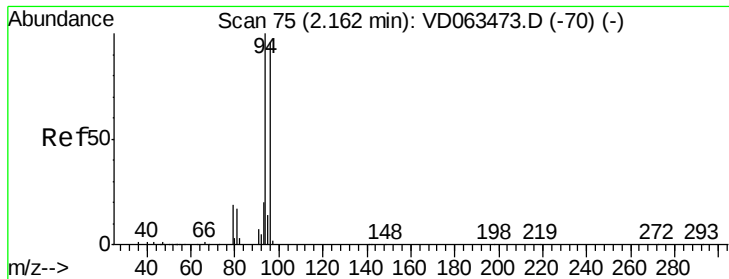
Tot Ion: 50 Resp: 425332
 Ion Ratio Lower Upper
 50 100
 52 33.0 26.6 40.0



#4
 Vinyl Chloride
 Concen: 47.578 ug/l
 RT: 1.85 min Scan# 43
 Delta R.T. -0.01 min
 Lab File: VD063754.D
 Acq: 23 Aug 2019 9:24

Tgt Ion: 62 Resp: 450667
 Ion Ratio Lower Upper
 62 100
 64 31.9 26.4 39.6





#5

Bromomethane

Concen: 44.765 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.01 min

Lab File: VD063754.D

Acq: 23 Aug 2019 9:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

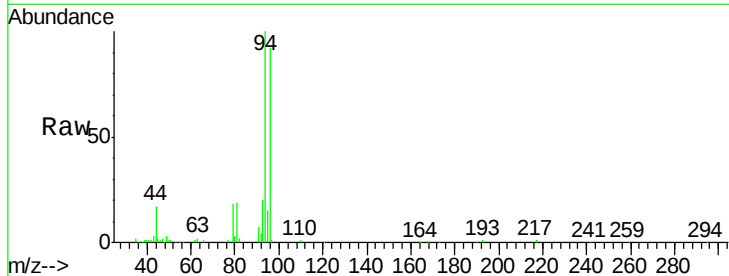
Tot Ion: 94 Resp: 200078

Ion Ratio Lower Upper

94 100

96 92.1 76.5 114.7

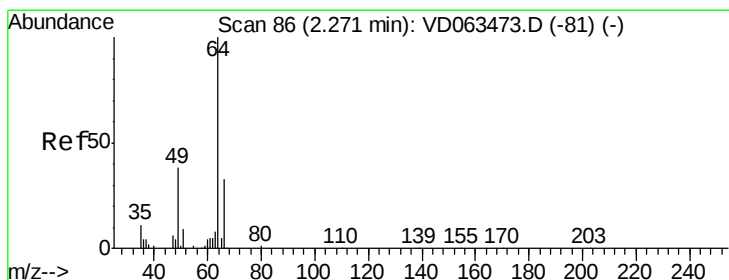
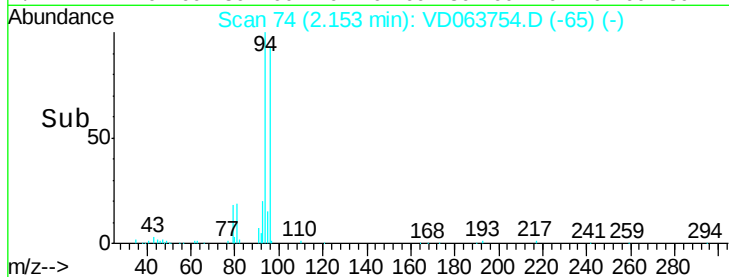
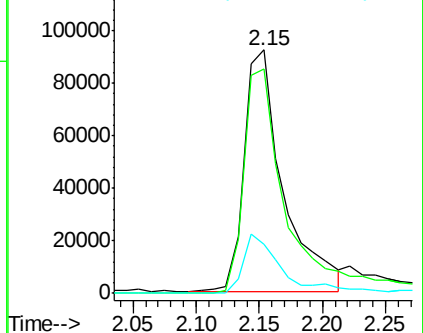
93 19.9 15.8 23.8



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: 50.805 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VD063754.D

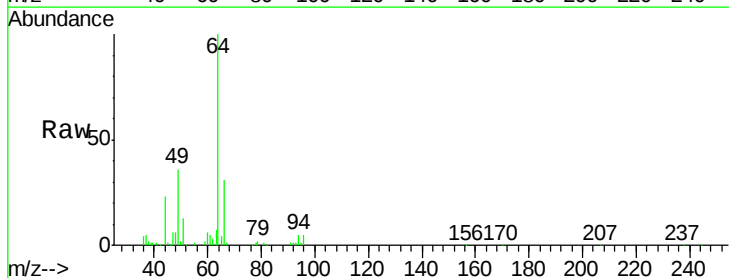
Acq: 23 Aug 2019 9:24

Tgt Ion: 64 Resp: 220070

Ion Ratio Lower Upper

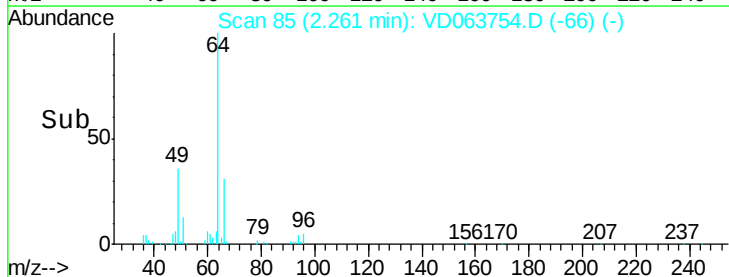
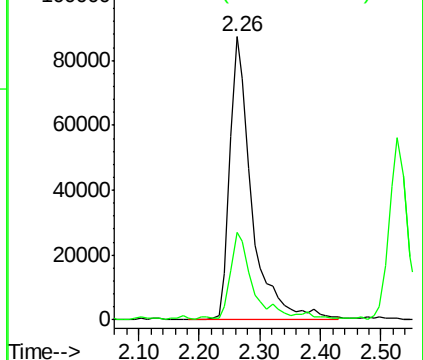
64 100

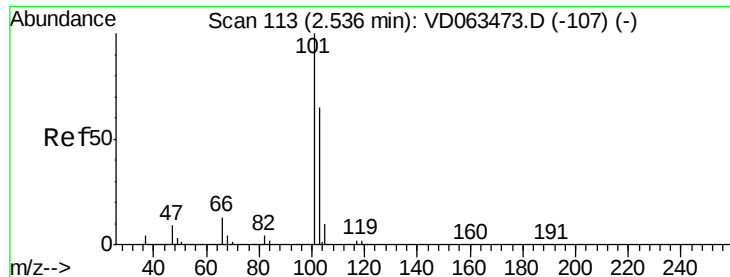
66 31.0 26.3 39.5



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



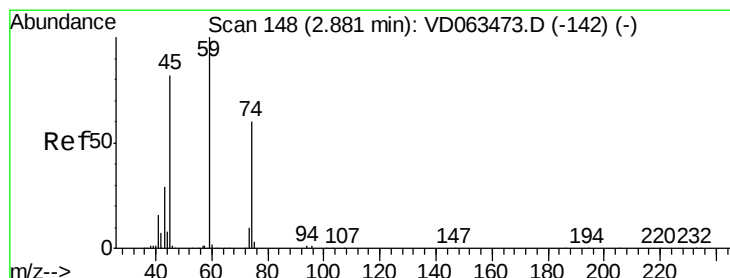
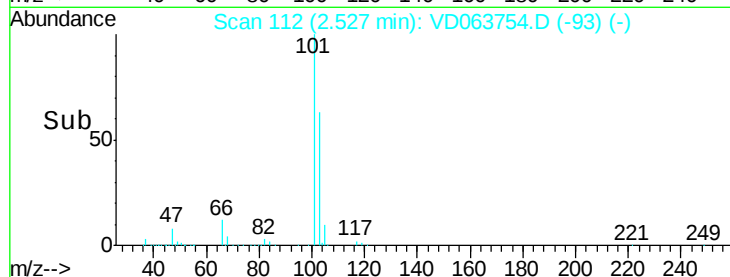
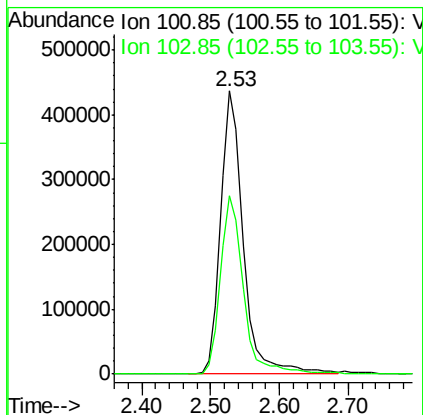
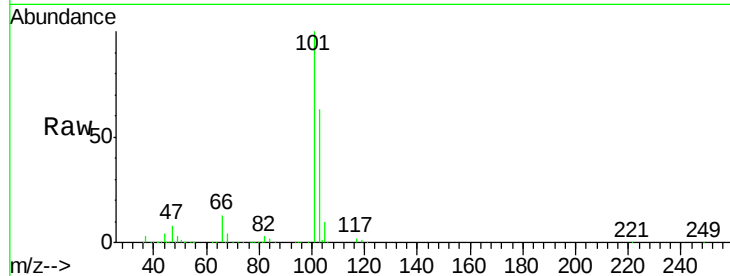


#7

Trichlorofluoromethane
 Concen: 53.910 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. -0.01 min
 Lab File: VD063754.D
 Acq: 23 Aug 2019 9:24

Instrument :
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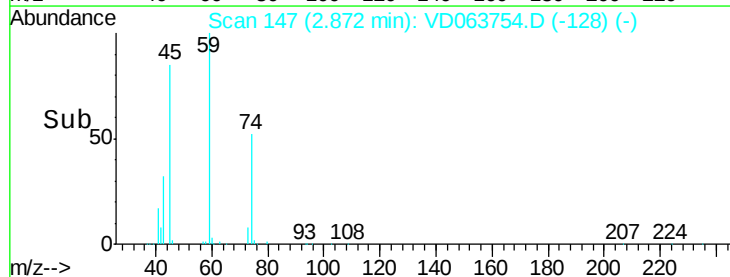
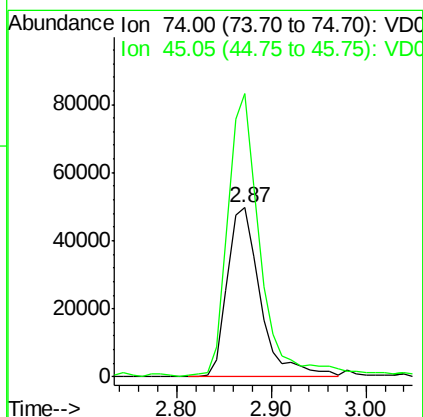
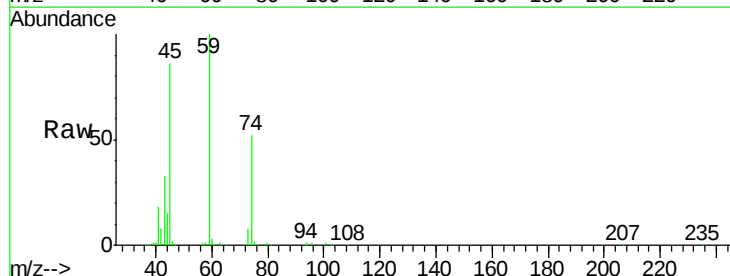
Tot Ion:101 Resp: 1001630
 Ion Ratio Lower Upper
 101 100
 103 63.1 52.2 78.4

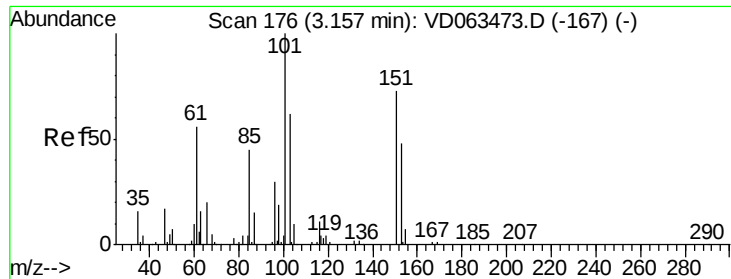


#8

Diethyl Ether
 Concen: 46.197 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. -0.01 min
 Lab File: VD063754.D
 Acq: 23 Aug 2019 9:24

Tgt Ion: 74 Resp: 121187
 Ion Ratio Lower Upper
 74 100
 45 167.1 68.5 205.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.582 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.01 min

Lab File: VD063754.D

Acq: 23 Aug 2019 9:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

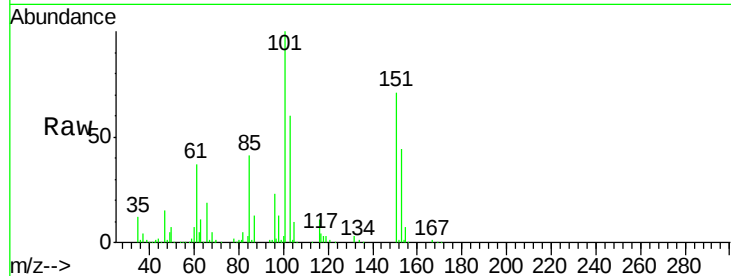
Tot Ion:101 Resp: 565901

Ion Ratio Lower Upper

101 100

85 41.4 35.8 53.6

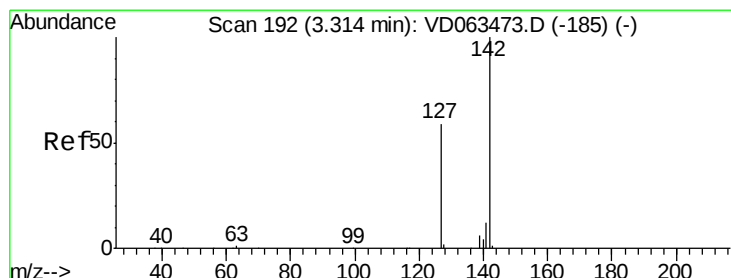
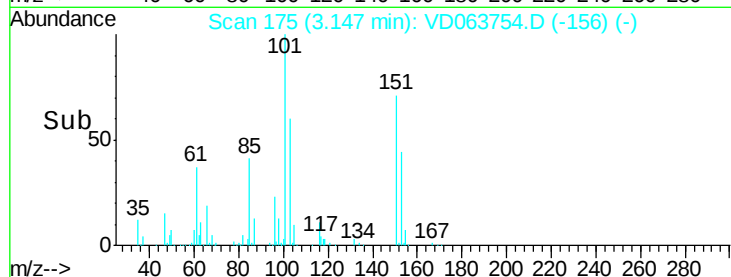
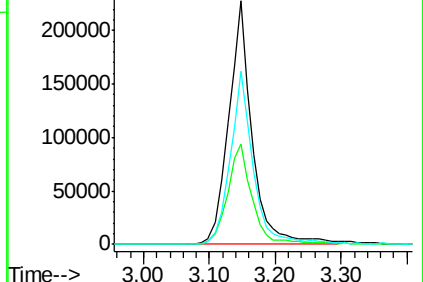
151 71.2 58.6 88.0



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: 44.449 ug/l

RT: 3.30 min Scan# 191

Delta R.T. -0.01 min

Lab File: VD063754.D

Acq: 23 Aug 2019 9:24

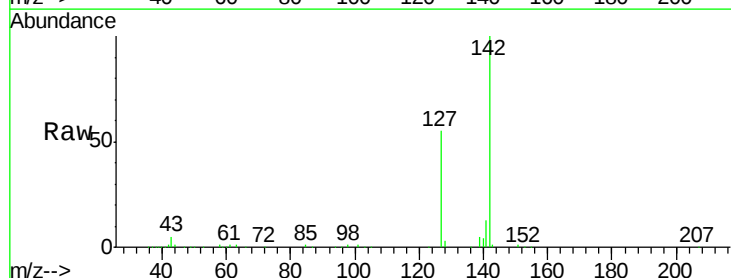
Tgt Ion:142 Resp: 689979

Ion Ratio Lower Upper

142 100

127 55.3 47.2 70.8

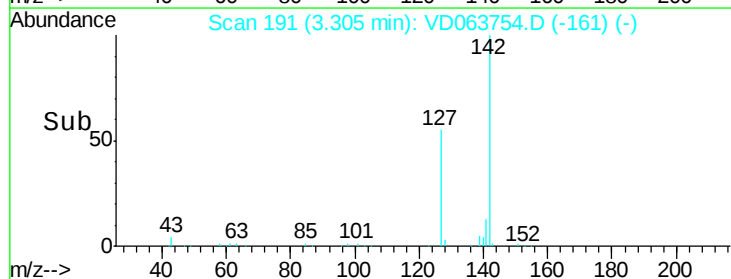
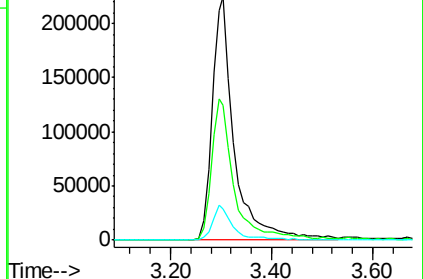
141 12.6 9.8 14.8

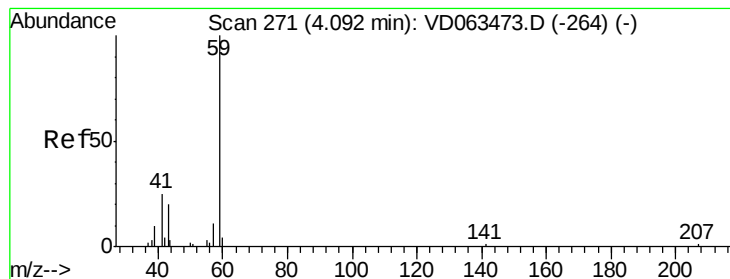


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 251.239 ug/l

RT: 4.07 min Scan# 269

Delta R.T. -0.02 min

Lab File: VD063754.D

Acq: 23 Aug 2019 9:24

Instrument :

MSVOA_D

ClientSampleId :

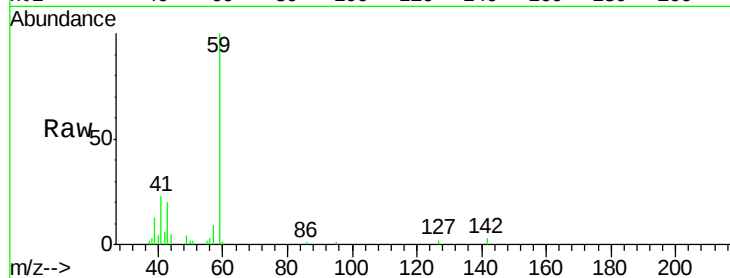
VSTDCCC050

Tot Ion: 59 Resp: 118012

Ion Ratio Lower Upper

59 100

57 8.7 8.7 13.1#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

50000

40000

30000

20000

10000

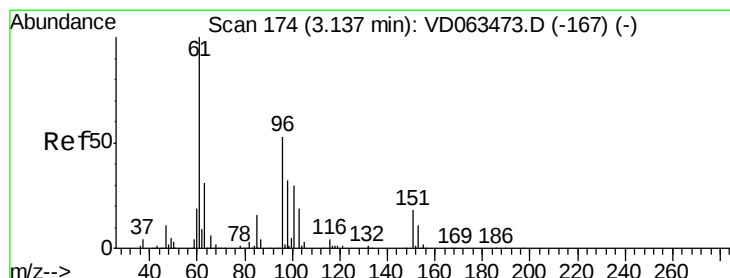
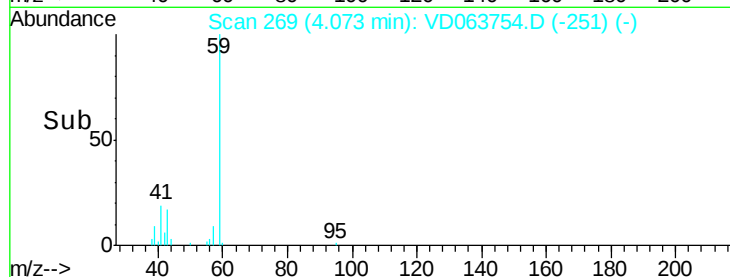
0

4.00

4.10

4.20

Time-->



#12

1,1-Dichloroethene

Concen: 47.386 ug/l

RT: 3.12 min Scan# 172

Delta R.T. -0.02 min

Lab File: VD063754.D

Acq: 23 Aug 2019 9:24

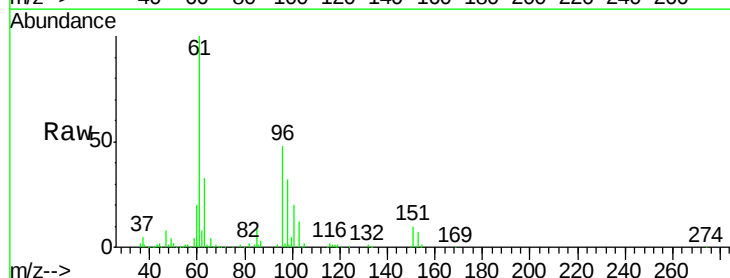
Tgt Ion: 96 Resp: 386513

Ion Ratio Lower Upper

96 100

61 208.9 151.7 227.5

98 66.5 48.4 72.6



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

400000

300000

200000

100000

0

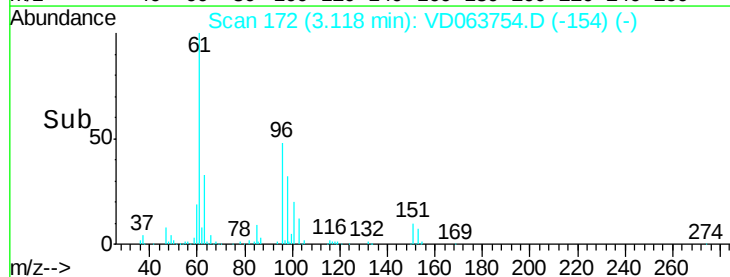
3.00

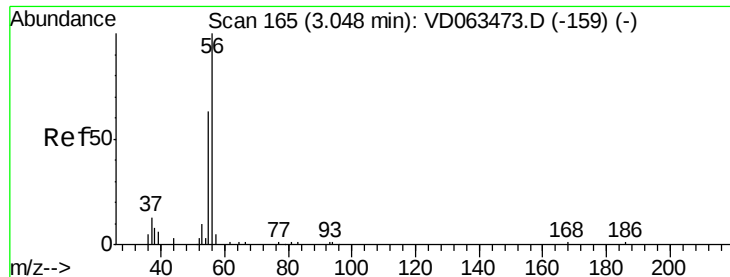
3.10

3.20

3.30

Time-->





#13

Acrolein

Concen: 185.986 ug/l

RT: 3.03 min Scan# 163

Delta R.T. -0.02 min

Lab File: VD063754.D

Acq: 23 Aug 2019 9:24

Instrument :

MSVOA_D

ClientSampleId :

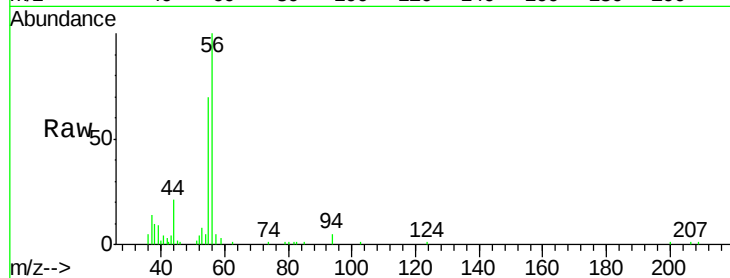
VSTDCCC050

Tot Ion: 56 Resp: 85991

Ion Ratio Lower Upper

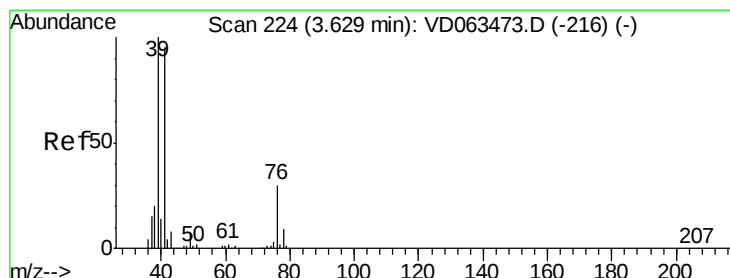
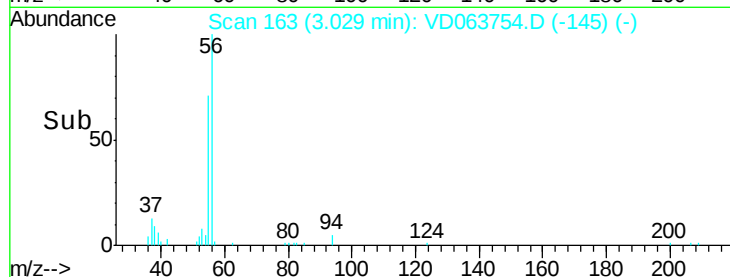
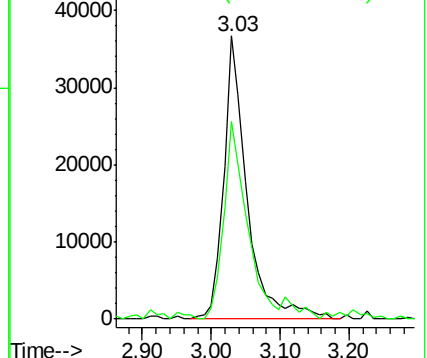
56 100

55 69.7 51.3 76.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 51.143 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.01 min

Lab File: VD063754.D

Acq: 23 Aug 2019 9:24

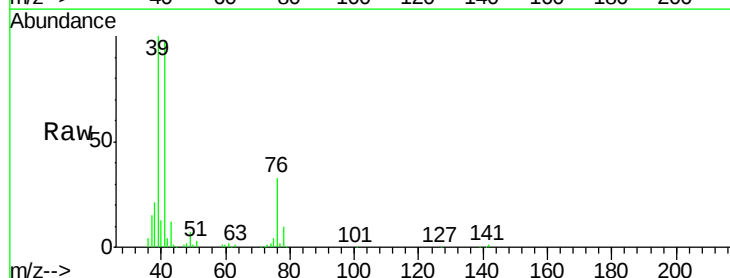
Tgt Ion: 41 Resp: 627117

Ion Ratio Lower Upper

41 100

39 101.7 84.2 126.4

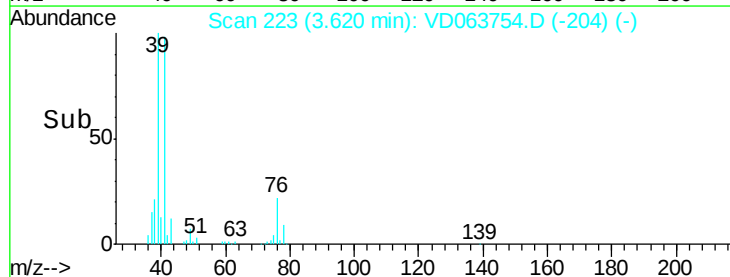
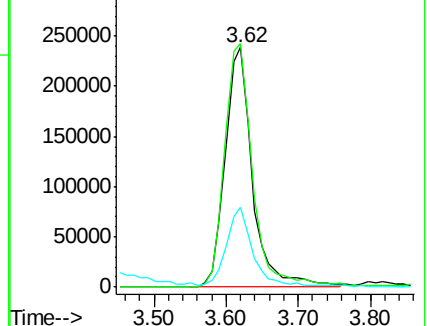
76 33.1 26.0 39.0

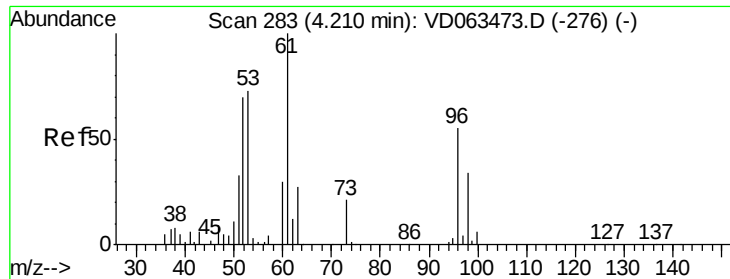


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 250.559 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.02 min

Lab File: VD063754.D

Acq: 23 Aug 2019 9:24

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

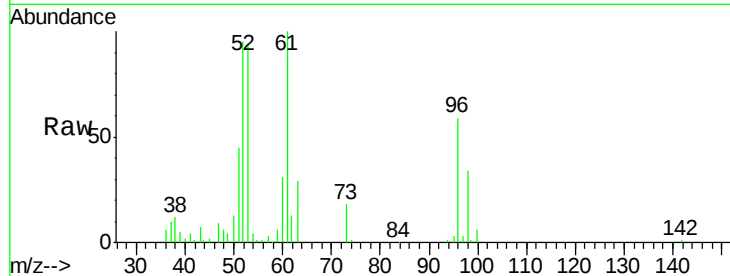
Tot Ion: 53 Resp: 311740

Ion Ratio Lower Upper

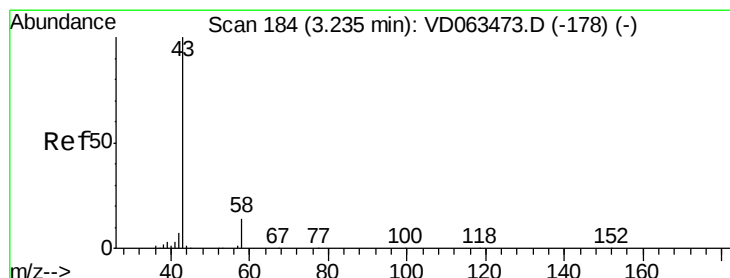
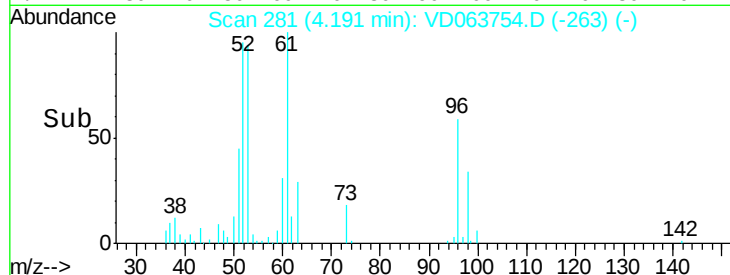
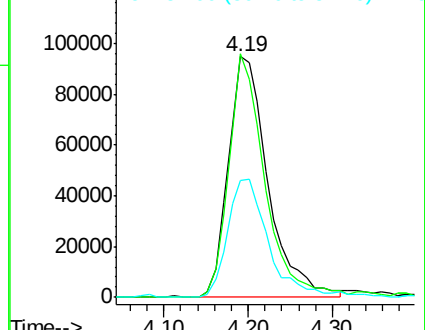
53 100

52 101.2 77.4 116.0

51 48.5 36.7 55.1



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: 301.809 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.02 min

Lab File: VD063754.D

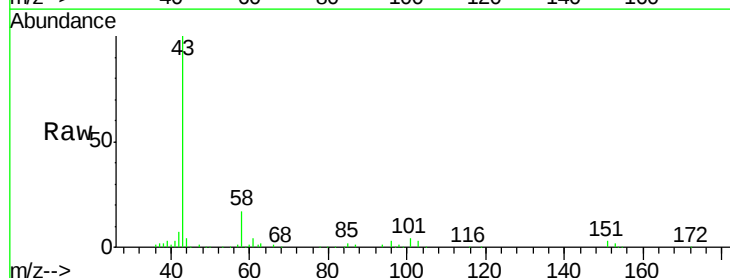
Acq: 23 Aug 2019 9:24

Tgt Ion: 43 Resp: 661999

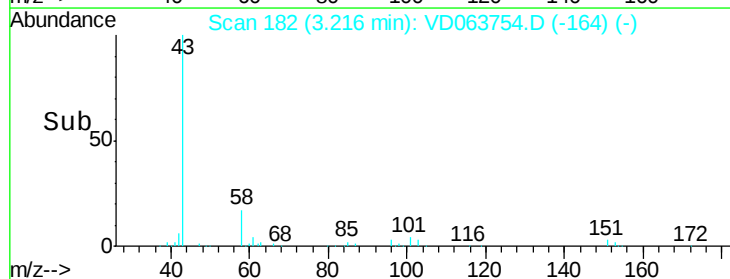
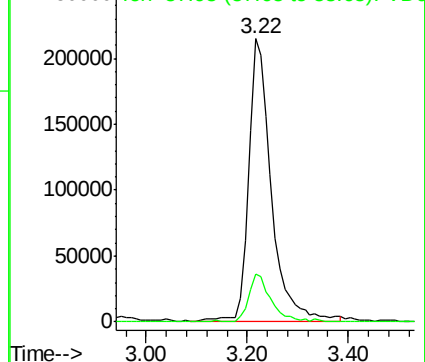
Ion Ratio Lower Upper

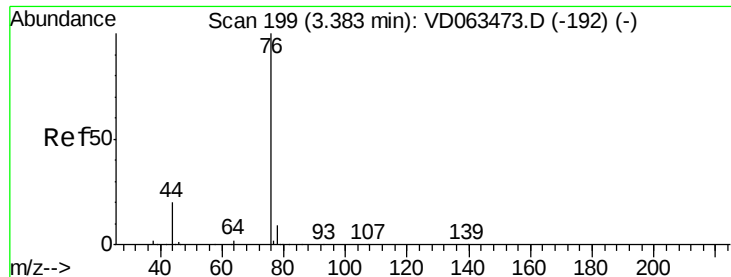
43 100

58 16.8 11.4 17.2



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





#17

Carbon Disulfide

Concen: 44.306 ug/l

RT: 3.36 min Scan# 197

Delta R.T. -0.02 min

Lab File: VD063754.D

Acq: 23 Aug 2019 9:24

Instrument :

MSVOA_D

ClientSampleId :

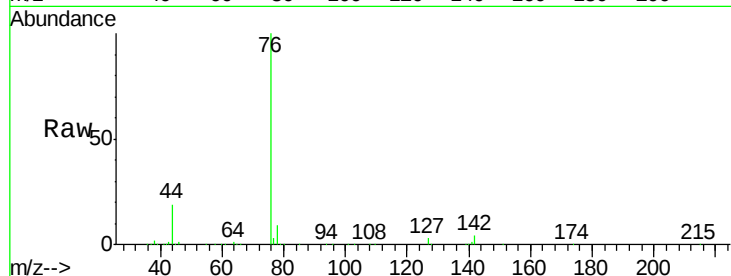
VSTDCCC050

Tot Ion: 76 Resp: 1140577

Ion Ratio Lower Upper

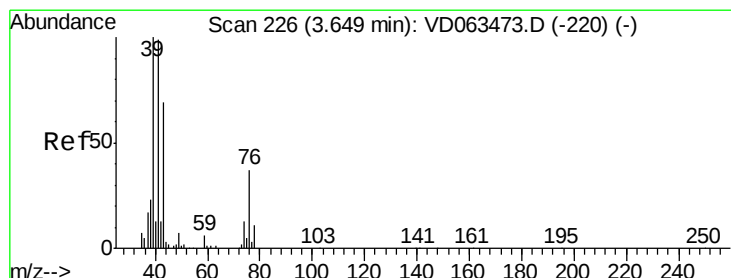
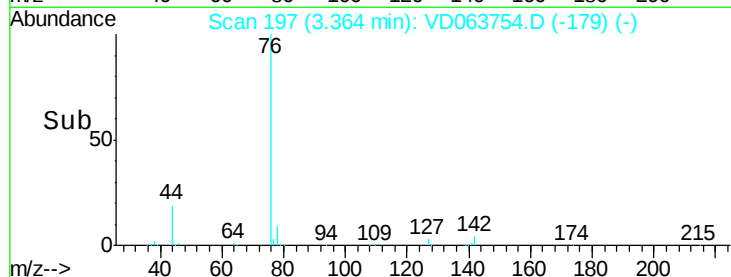
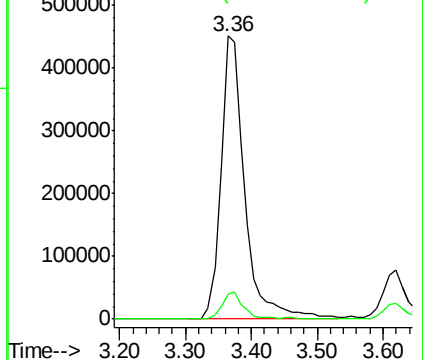
76 100

78 8.6 7.4 11.0



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 48.827 ug/l

RT: 3.64 min Scan# 225

Delta R.T. -0.01 min

Lab File: VD063754.D

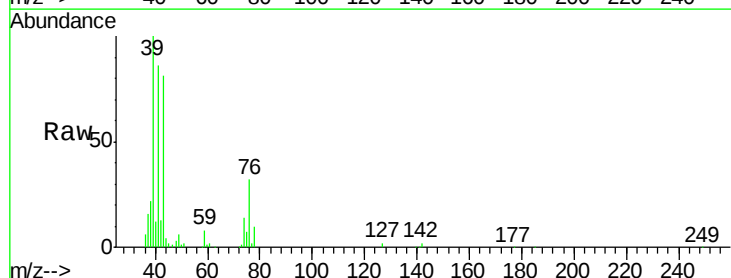
Acq: 23 Aug 2019 9:24

Tgt Ion: 43 Resp: 202858

Ion Ratio Lower Upper

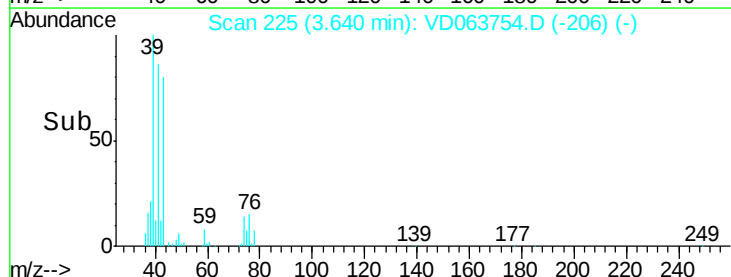
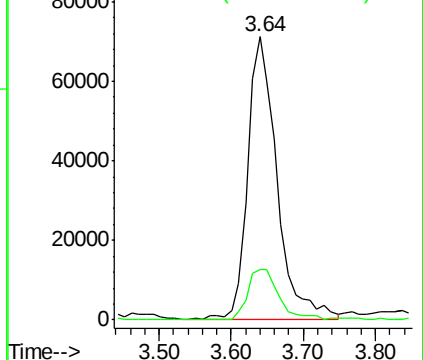
43 100

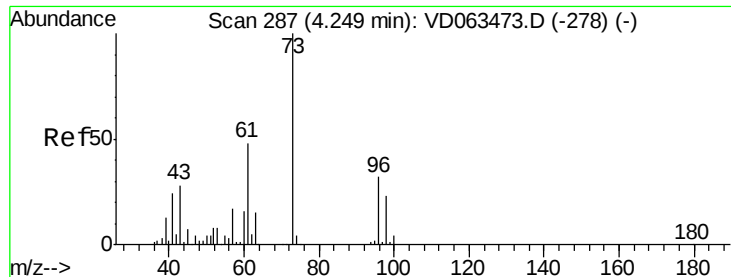
74 17.7 15.4 23.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

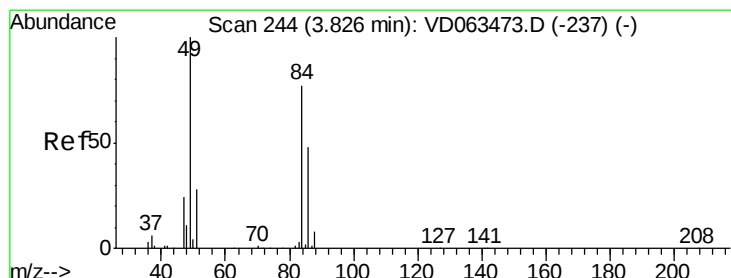
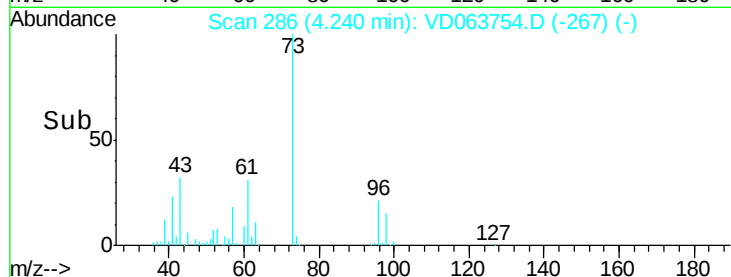
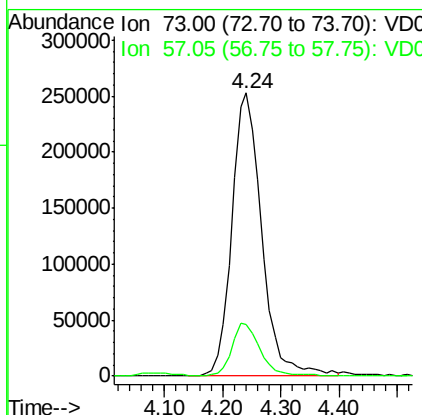
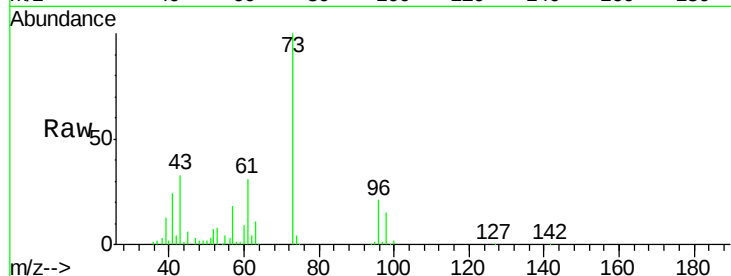




#19
Methvl tert-butvl Ether
Concen: 55.057 ug/l
RT: 4.24 min Scan# 286
Delta R.T. -0.01 min
Lab File: VD063754.D
Acq: 23 Aug 2019 9:24

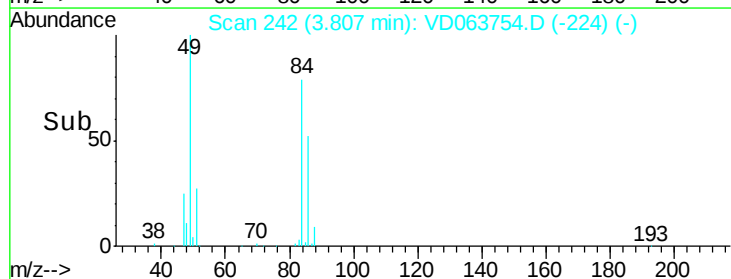
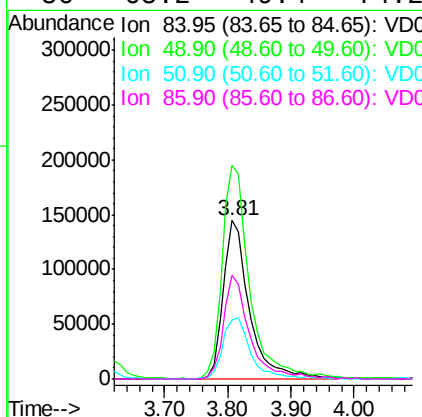
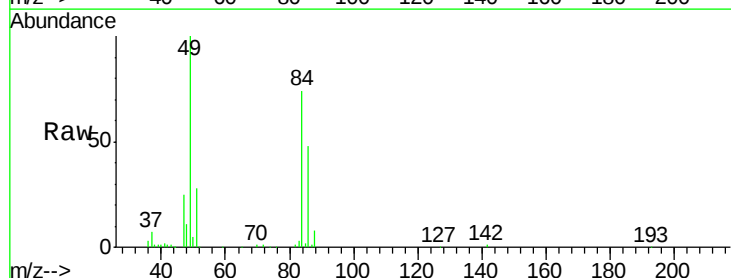
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

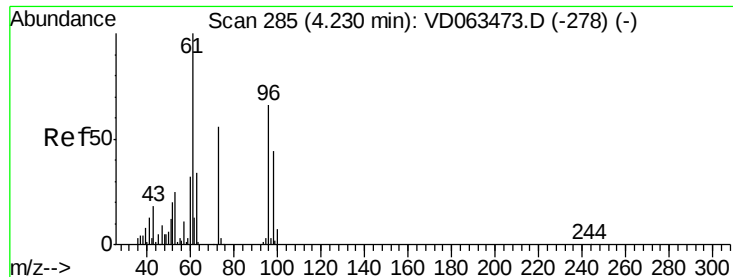
Tot Ion: 73 Resp: 898117
Ion Ratio Lower Upper
73 100
57 18.3 14.0 21.0



#20
Methylene Chloride
Concen: 44.037 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.02 min
Lab File: VD063754.D
Acq: 23 Aug 2019 9:24

Tgt Ion: 84 Resp: 417679
Ion Ratio Lower Upper
84 100
49 135.1 103.4 155.2
51 37.4 28.5 42.7
86 65.2 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 50.302 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.01 min

Lab File: VD063754.D

Acq: 23 Aug 2019 9:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

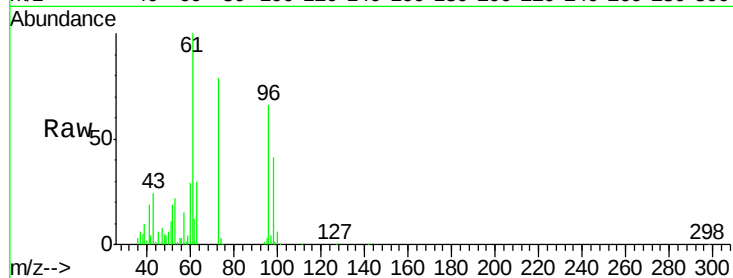
Tot Ion: 96 Resp: 431766

Ion Ratio Lower Upper

96 100

61 151.3 121.7 182.5

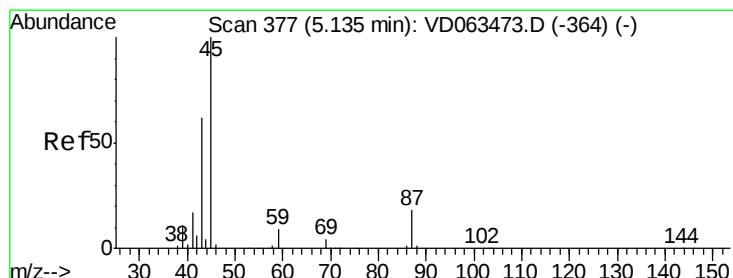
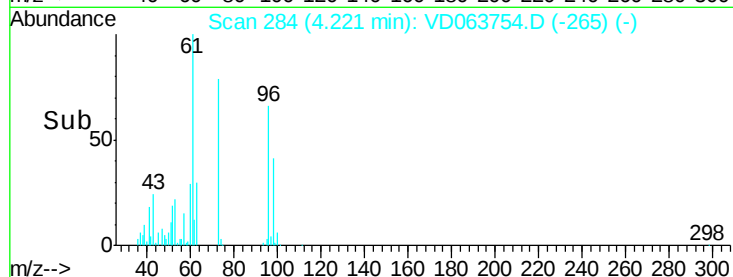
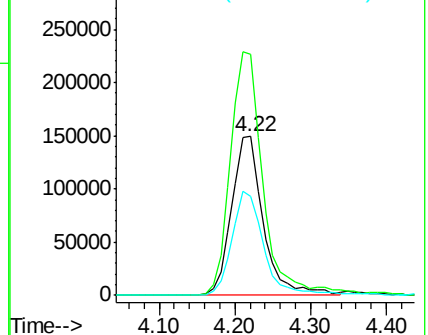
98 62.0 54.2 81.2



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 52.262 ug/l

RT: 5.13 min Scan# 376

Delta R.T. -0.01 min

Lab File: VD063754.D

Acq: 23 Aug 2019 9:24

Tgt Ion: 45 Resp: 1322380

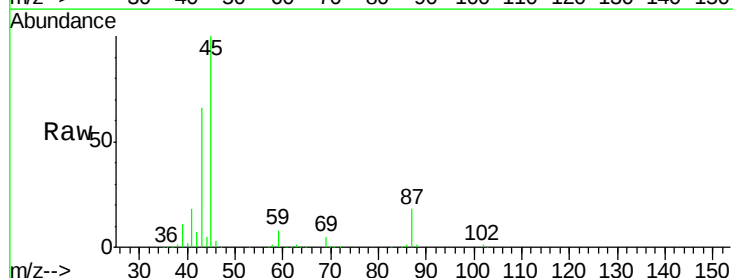
Ion Ratio Lower Upper

45 100

43 65.6 50.3 75.5

87 17.9 14.3 21.5

59 8.0 7.7 11.5

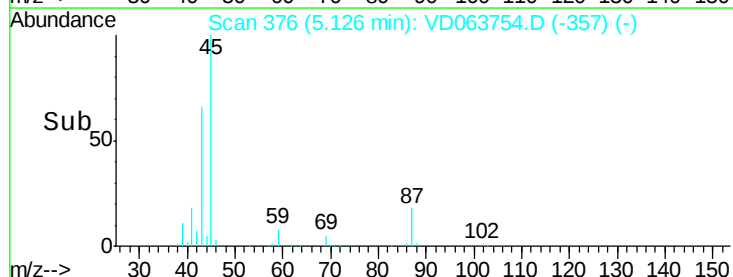
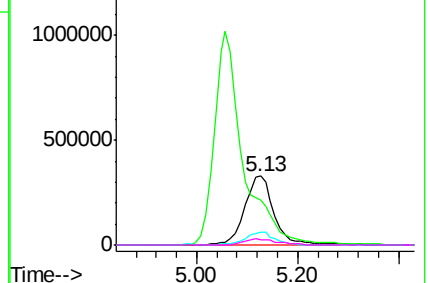


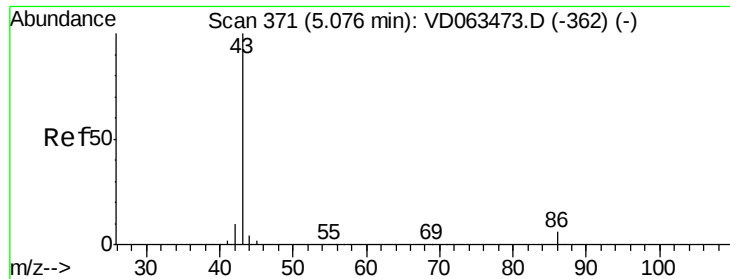
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC

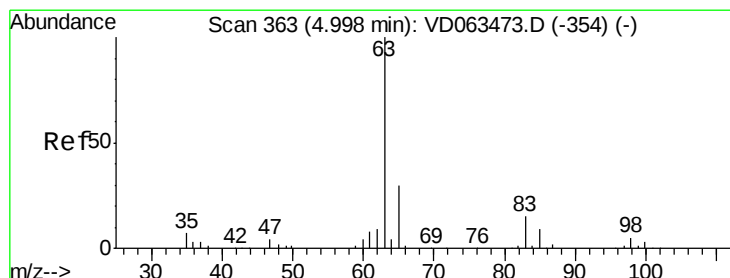
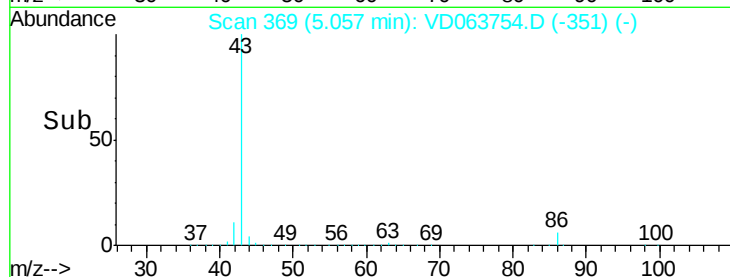
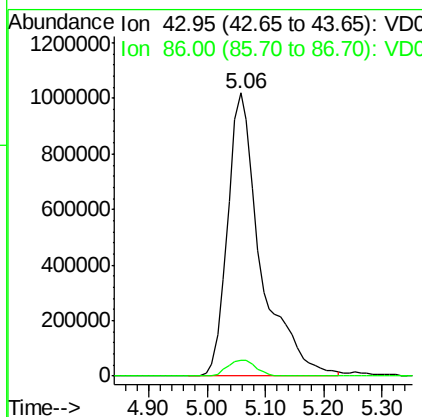
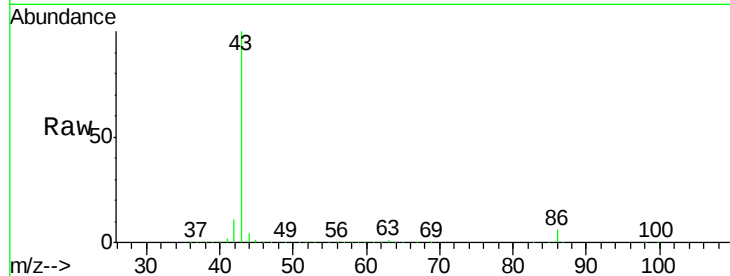




#23
 Vinyl Acetate
 Concen: 274.390 ug/l
 RT: 5.06 min Scan# 369
 Delta R.T. -0.02 min
 Lab File: VD063754.D
 Acq: 23 Aug 2019 9:24

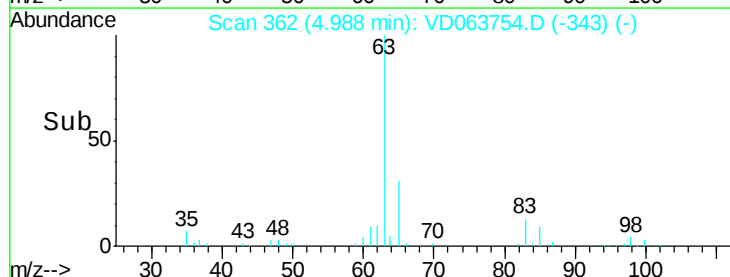
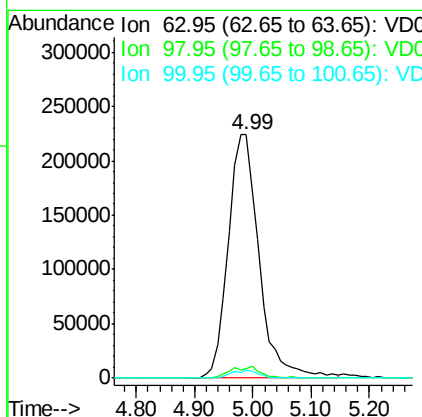
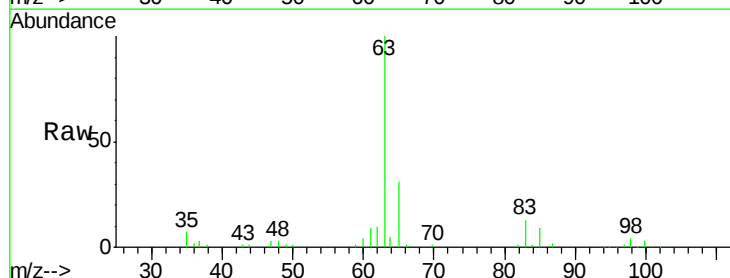
Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

Tot Ion: 43 Resp: 4036274
 Ion Ratio Lower Upper
 43 100
 86 5.8 4.8 7.2



#24
 1,1-Dichloroethane
 Concen: 52.544 ug/l
 RT: 4.99 min Scan# 362
 Delta R.T. -0.01 min
 Lab File: VD063754.D
 Acq: 23 Aug 2019 9:24

Tgt Ion: 63 Resp: 824604
 Ion Ratio Lower Upper
 63 100
 98 3.6 2.4 7.2
 100 3.1 1.3 3.8





#25

2-Butanone

Concen: 271.994 ug/l

RT: 6.08 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD063754.D

Acq: 23 Aug 2019 9:24

Instrument :

MSVOA_D

ClientSampleId :

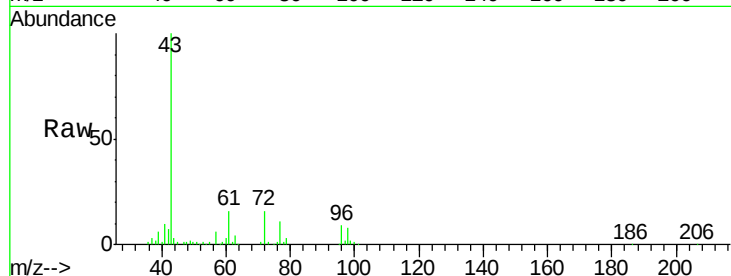
VSTDCCC050

Tot Ion: 43 Resp: 589226

Ion Ratio Lower Upper

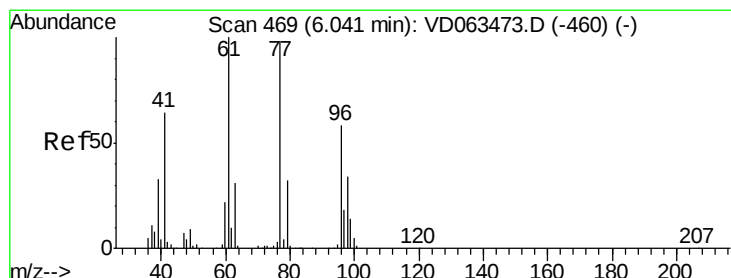
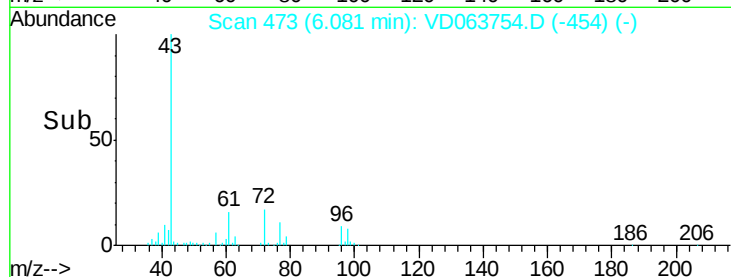
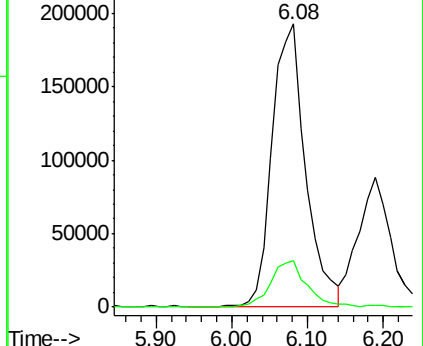
43 100

72 16.5 15.1 22.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 54.696 ug/l

RT: 6.02 min Scan# 467

Delta R.T. -0.02 min

Lab File: VD063754.D

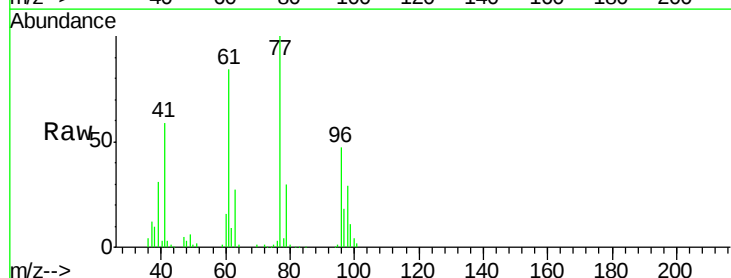
Acq: 23 Aug 2019 9:24

Tgt Ion: 77 Resp: 854970

Ion Ratio Lower Upper

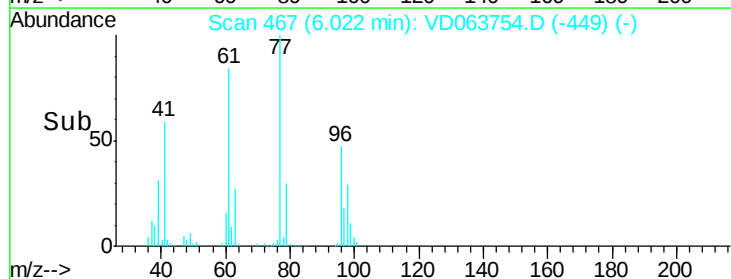
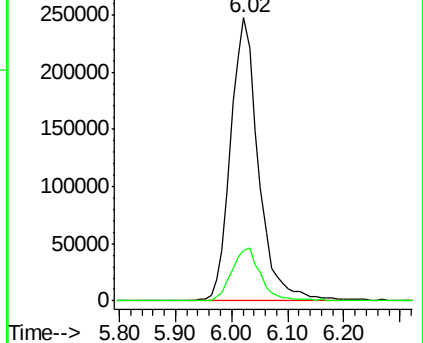
77 100

97 17.8 9.0 27.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



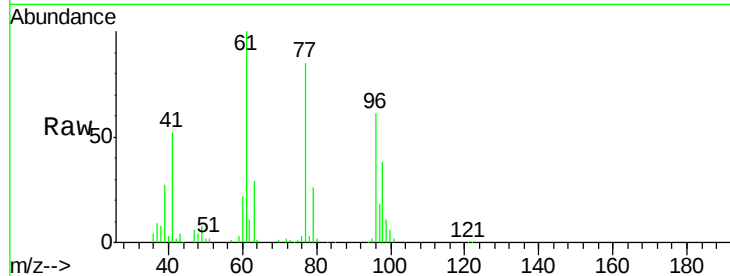


#27

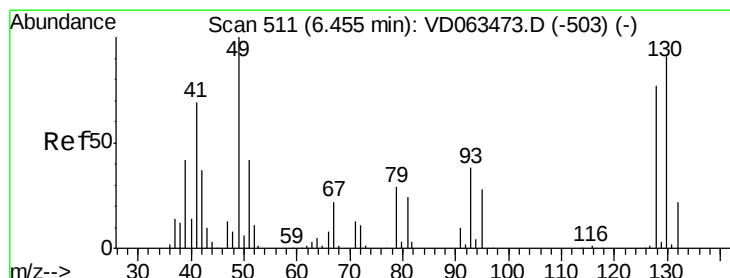
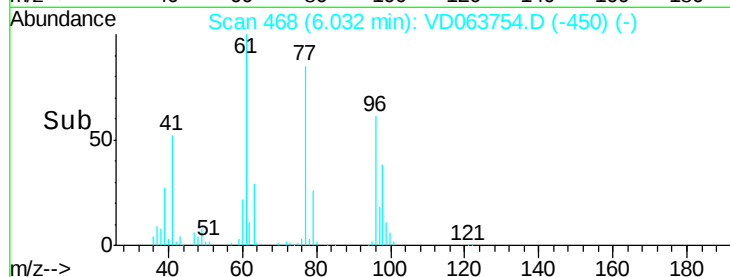
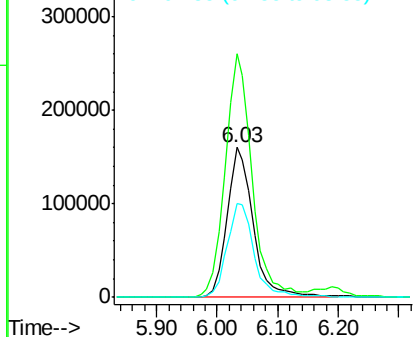
cis-1,2-Dichloroethene
Concen: 51.008 ug/l
RT: 6.03 min Scan# 468
Delta R.T. -0.02 min
Lab File: VD063754.D
Acq: 23 Aug 2019 9:24

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 479026
Ion Ratio Lower Upper
96 100
61 162.7 0.0 304.0
98 62.4 0.0 124.8



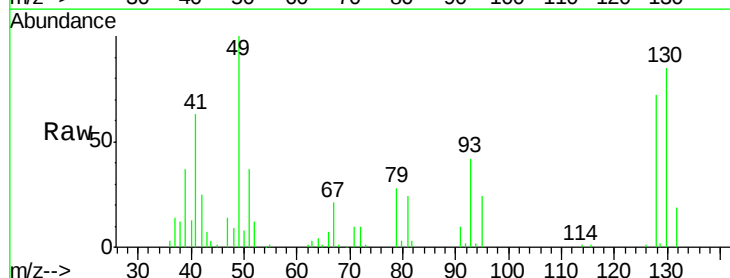
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



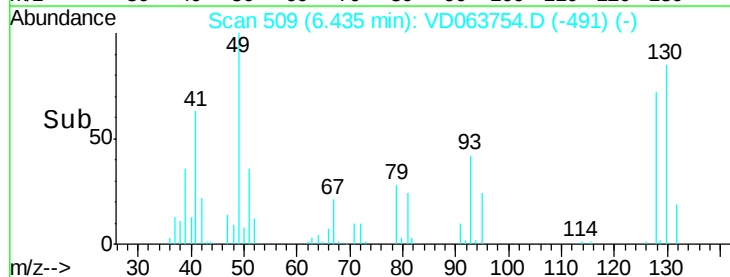
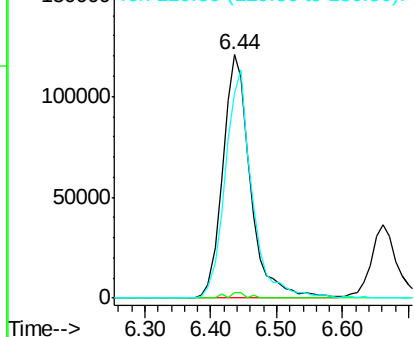
#28

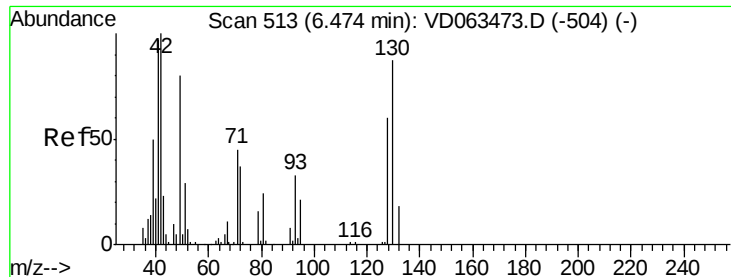
Bromochloromethane
Concen: 55.566 ug/l
RT: 6.44 min Scan# 509
Delta R.T. -0.02 min
Lab File: VD063754.D
Acq: 23 Aug 2019 9:24

Tgt Ion: 49 Resp: 353422
Ion Ratio Lower Upper
49 100
129 2.2 0.0 6.4
130 84.5 72.4 108.6



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

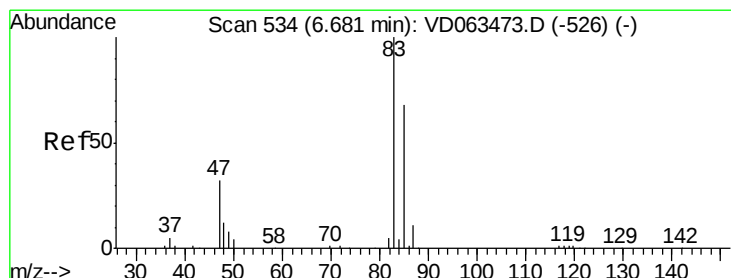
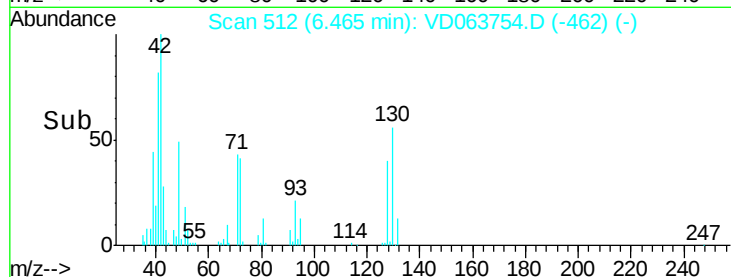
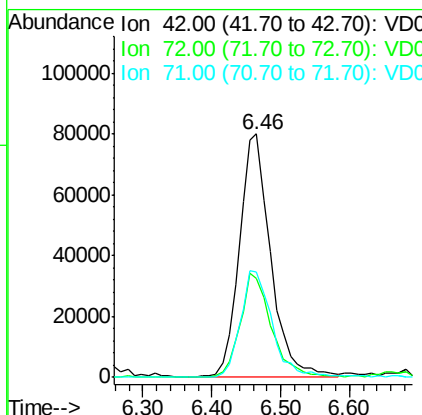
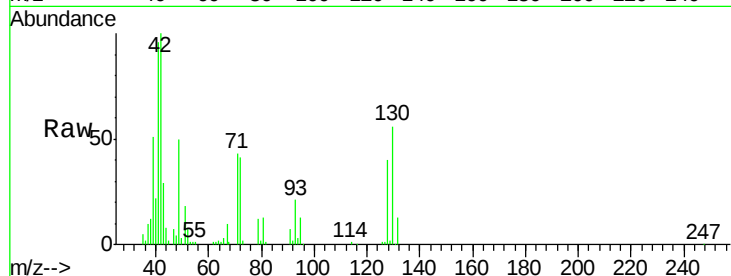




#29
Tetrahydrofuran
Concen: 250.205 ug/l
RT: 6.46 min Scan# 512
Delta R.T. -0.01 min
Lab File: VD063754.D
Acq: 23 Aug 2019 9:24

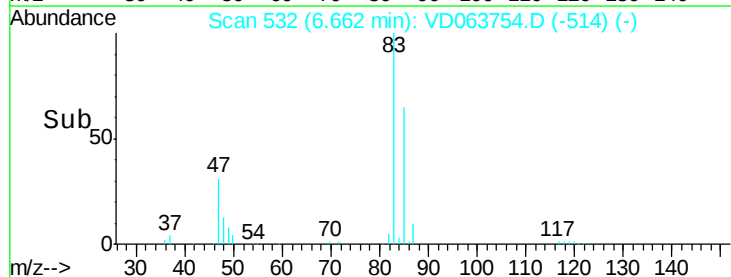
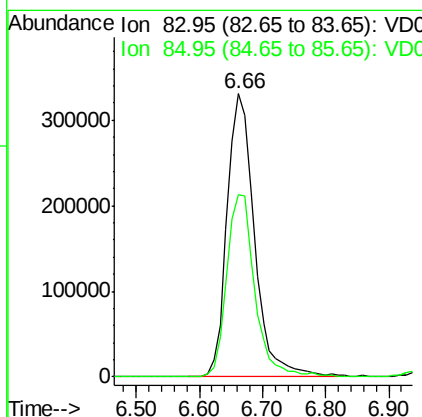
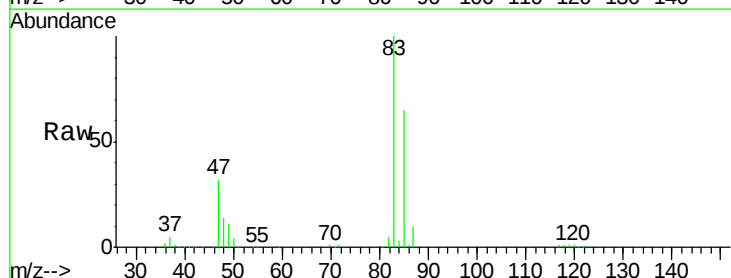
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

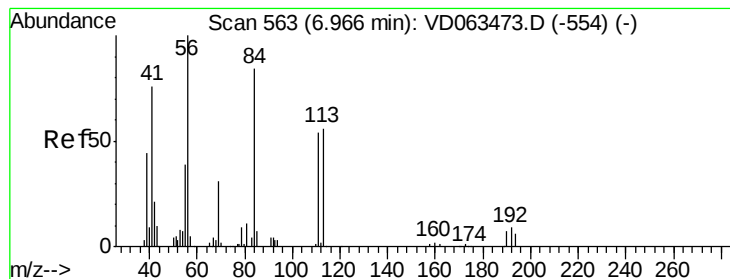
Tot Ion: 42 Resp: 252569
Ion Ratio Lower Upper
42 100
72 42.6 31.5 47.3
71 44.2 33.8 50.8



#30
Chloroform
Concen: 50.965 ug/l
RT: 6.66 min Scan# 532
Delta R.T. -0.02 min
Lab File: VD063754.D
Acq: 23 Aug 2019 9:24

Tgt Ion: 83 Resp: 994176
Ion Ratio Lower Upper
83 100
85 64.6 54.8 82.2





#31

Cvclohexane

Concen: 49.728 ug/l

RT: 6.96 min Scan# 562

Delta R.T. -0.01 min

Lab File: VD063754.D

Acq: 23 Aug 2019 9:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

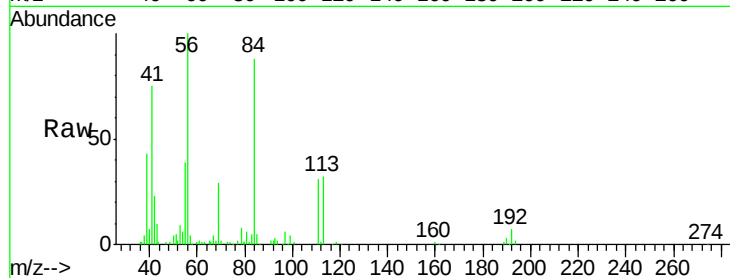
Tot Ion: 56 Resp: 484489

Ion Ratio Lower Upper

56 100

69 28.8 25.0 37.6

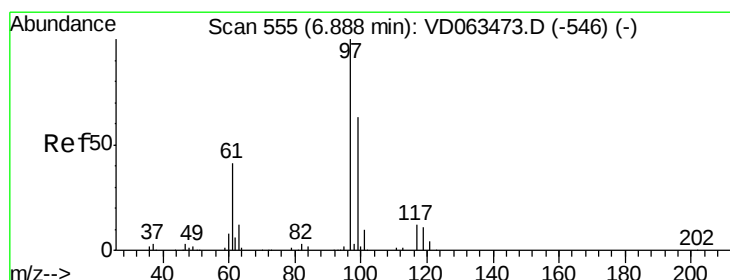
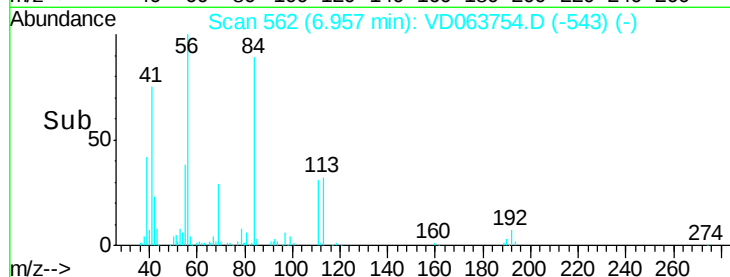
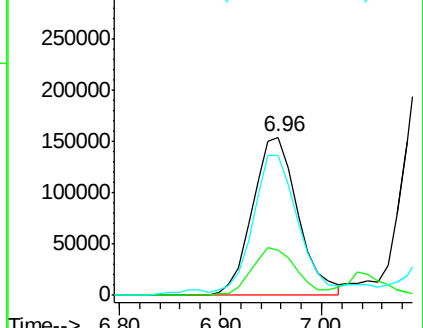
84 88.4 69.7 104.5



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 50.628 ug/l

RT: 6.87 min Scan# 553

Delta R.T. -0.02 min

Lab File: VD063754.D

Acq: 23 Aug 2019 9:24

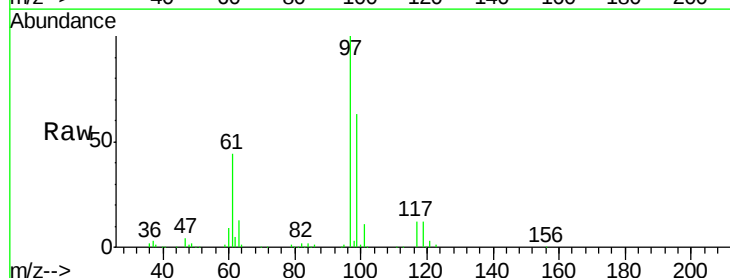
Tgt Ion: 97 Resp: 944721

Ion Ratio Lower Upper

97 100

99 62.9 50.2 75.4

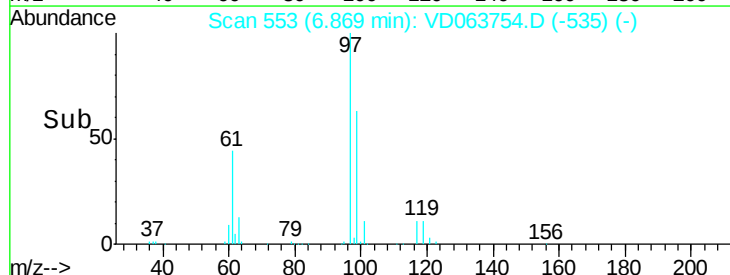
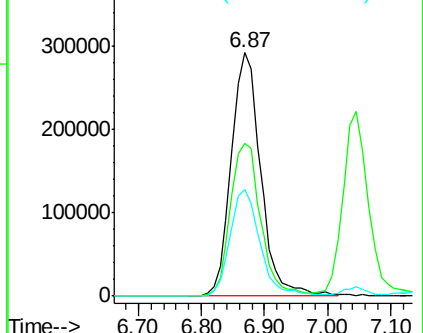
61 43.6 33.1 49.7

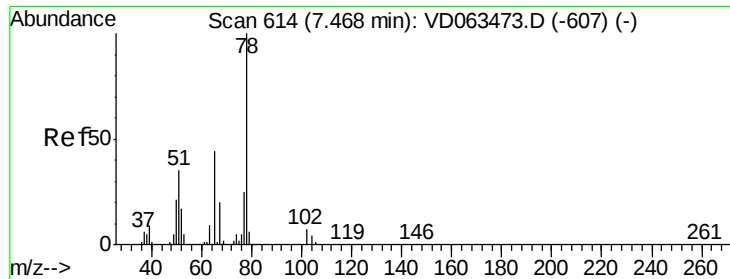


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 98.85 (98.55 to 99.55): VDC

Ion 60.95 (60.65 to 61.65): VDC

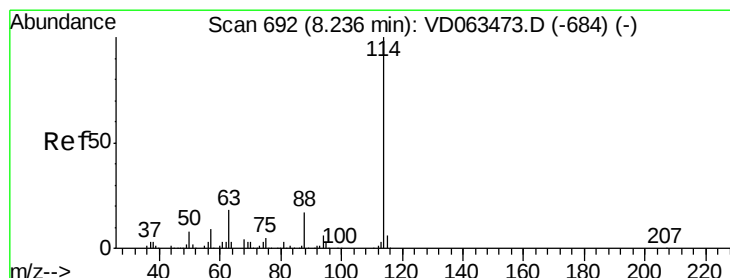
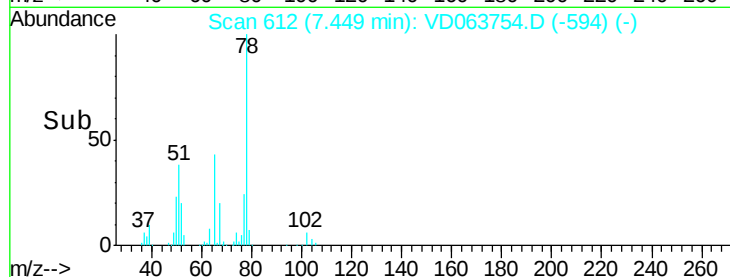
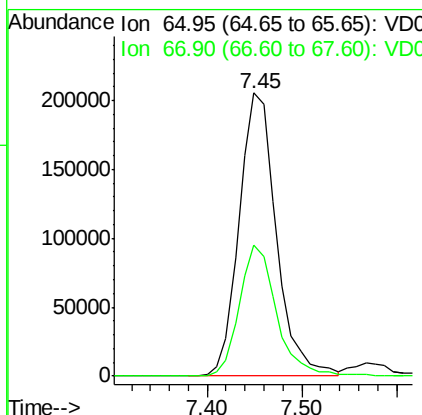
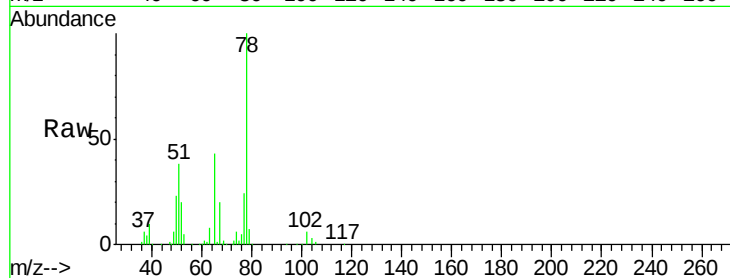




#33
 1,2-Dichloroethane-d4
 Concen: 51.899 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. -0.02 min
 Lab File: VD063754.D
 Acq: 23 Aug 2019 9:24

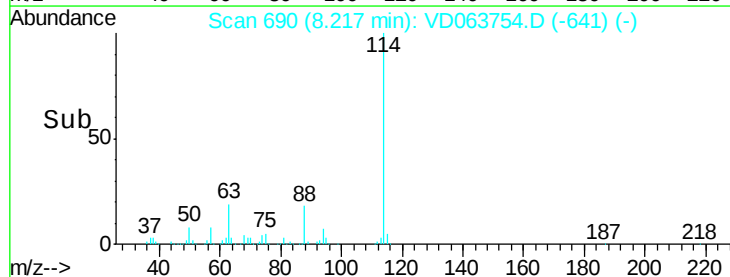
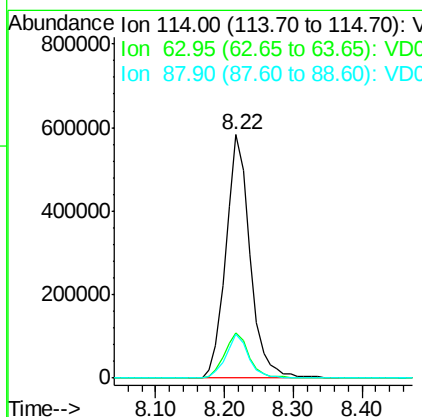
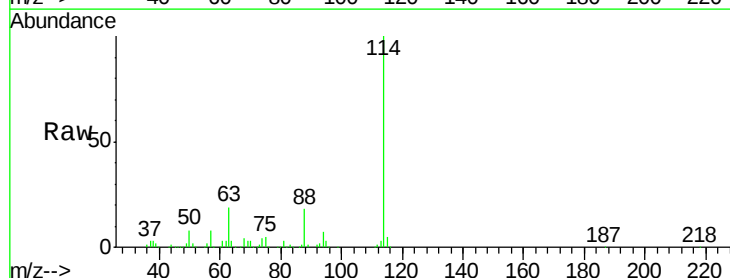
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

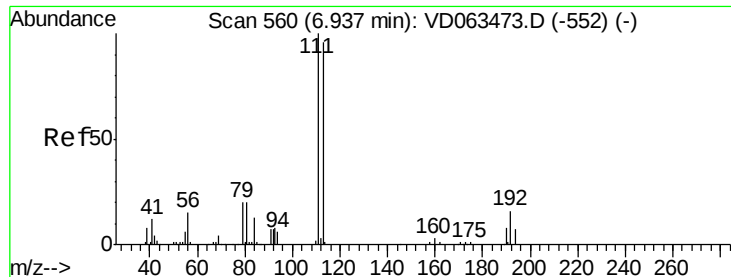
Tot Ion: 65 Resp: 559998
 Ion Ratio Lower Upper
 65 100
 67 46.5 0.0 89.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. -0.02 min
 Lab File: VD063754.D
 Acq: 23 Aug 2019 9:24

Tgt Ion: 114 Resp: 1414923
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 36.2
 88 18.3 0.0 35.0

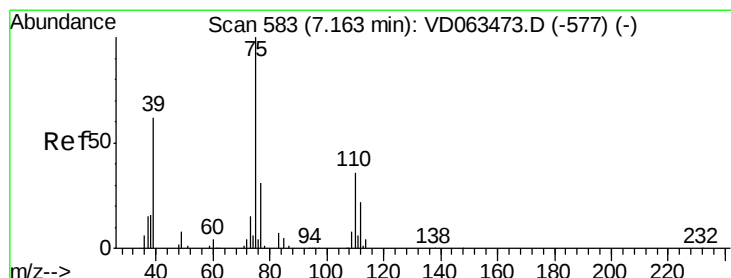
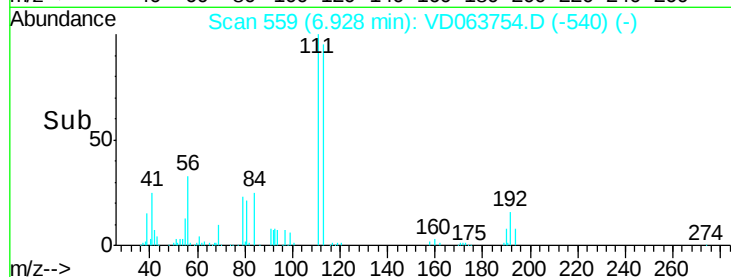
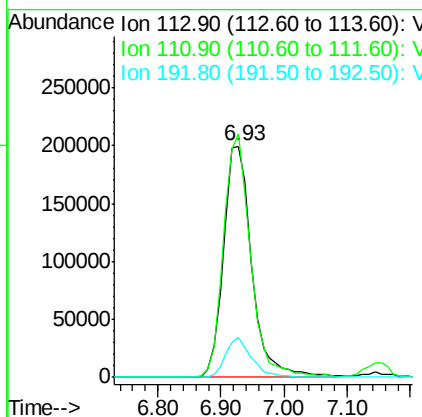
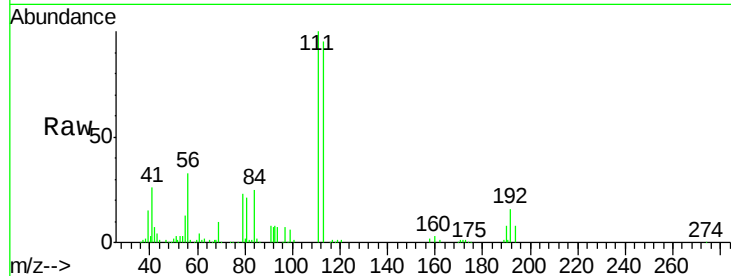




#35
 Dibromofluoromethane
 Concen: 52.012 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. -0.01 min
 Lab File: VD063754.D
 Acq: 23 Aug 2019 9:24

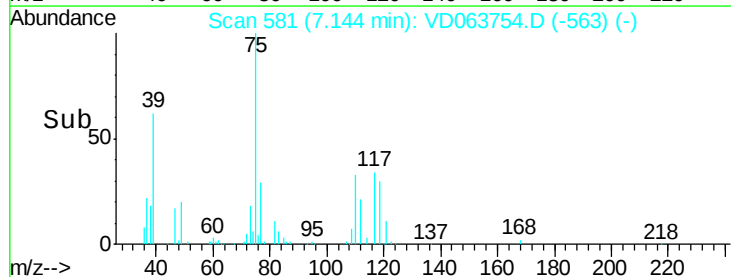
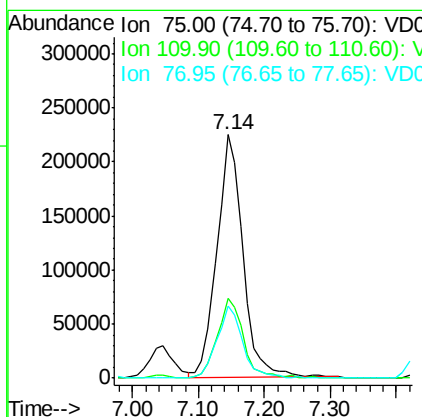
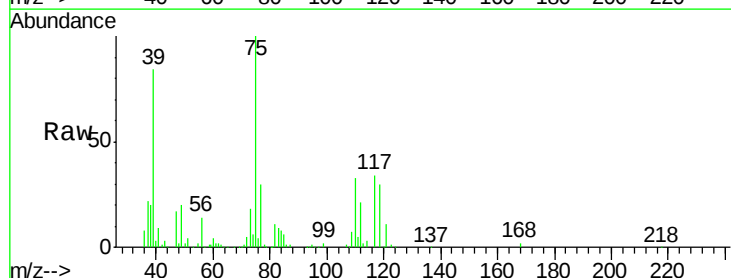
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	105.4	83.1	124.7
192	17.4	13.1	19.7



#36
 1,1-Dichloropropene
 Concen: 49.405 ug/l
 RT: 7.14 min Scan# 581
 Delta R.T. -0.02 min
 Lab File: VD063754.D
 Acq: 23 Aug 2019 9:24

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.9	17.6	52.8
77	29.7	24.3	36.5

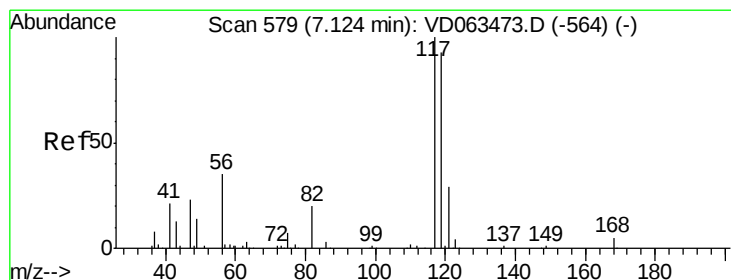
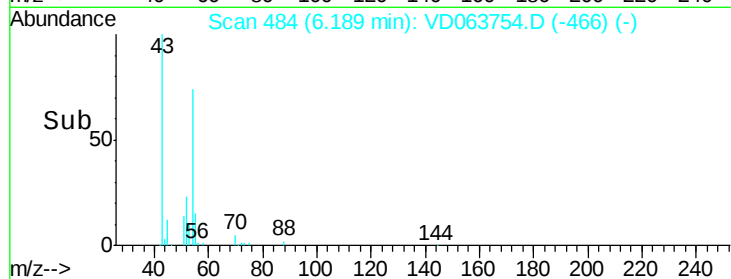
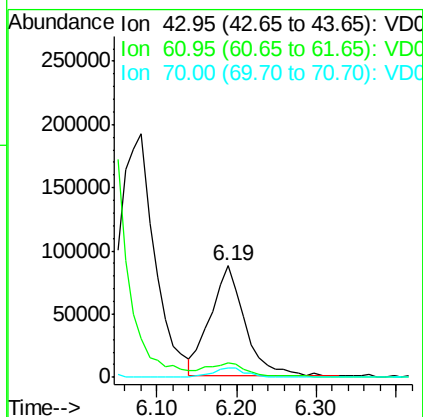
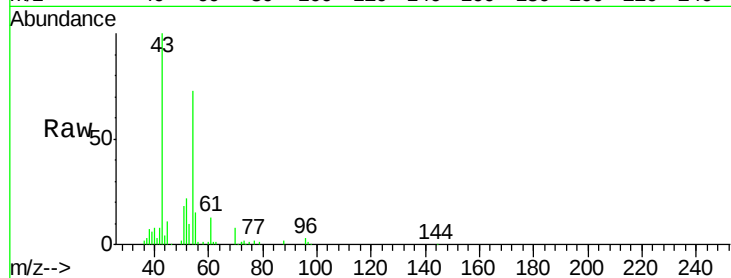




#37
Ethyl Acetate
Concen: 50.465 ug/l
RT: 6.19 min Scan# 484
Delta R.T. -0.02 min
Lab File: VD063754.D
Acq: 23 Aug 2019 9:24

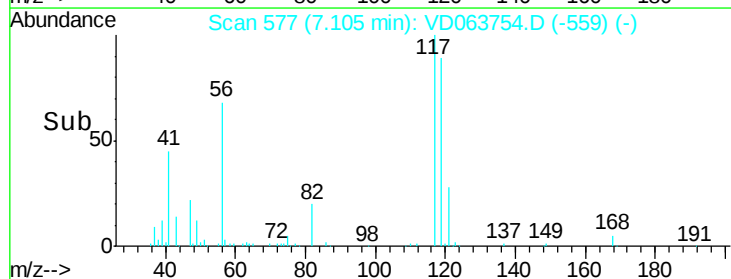
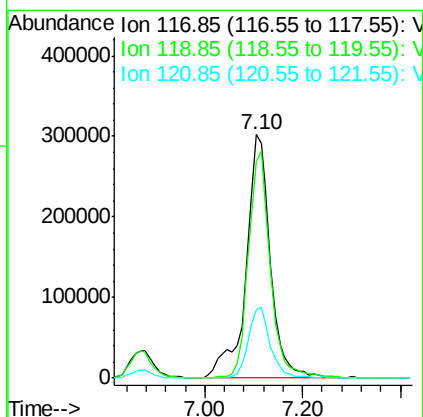
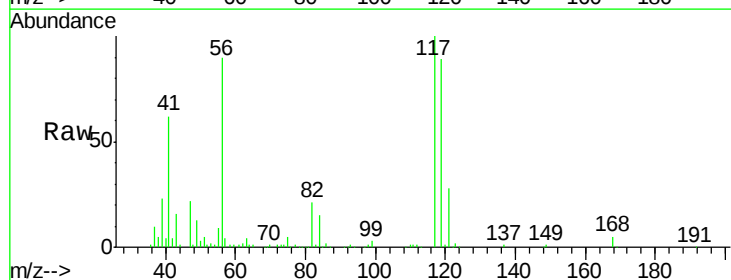
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 264501
Ion Ratio Lower Upper
43 100
61 13.2 9.0 13.6
70 8.0 6.9 10.3



#38
Carbon Tetrachloride
Concen: 54.942 ug/l
RT: 7.10 min Scan# 577
Delta R.T. -0.02 min
Lab File: VD063754.D
Acq: 23 Aug 2019 9:24

Tgt Ion: 117 Resp: 1035727
Ion Ratio Lower Upper
117 100
119 88.9 74.2 111.2
121 28.0 23.1 34.7

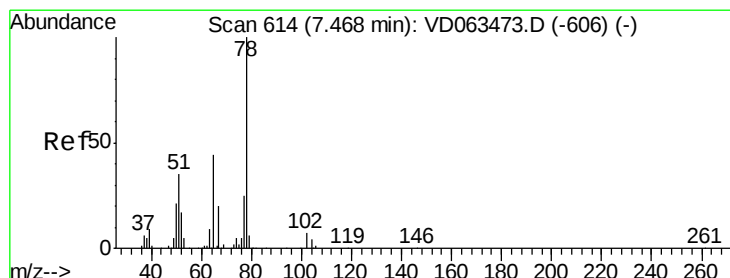
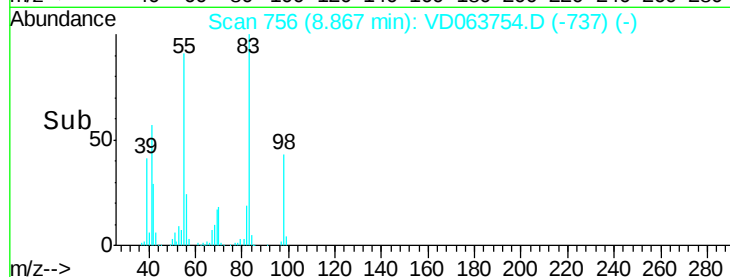
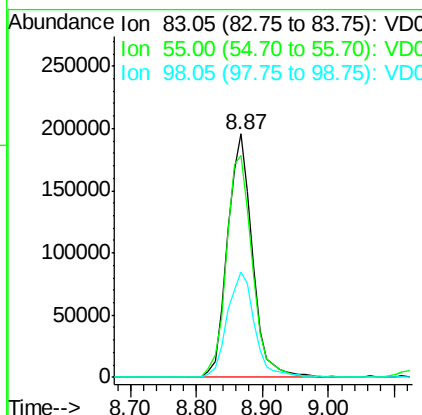
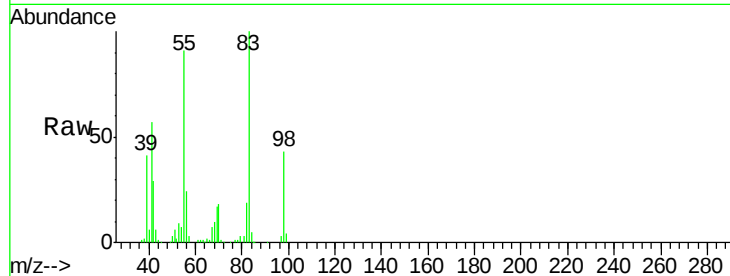




#39
Methvlcvclohexane
Concen: 48.629 ug/l
RT: 8.87 min Scan# 756
Delta R.T. -0.01 min
Lab File: VD063754.D
Acq: 23 Aug 2019 9:24

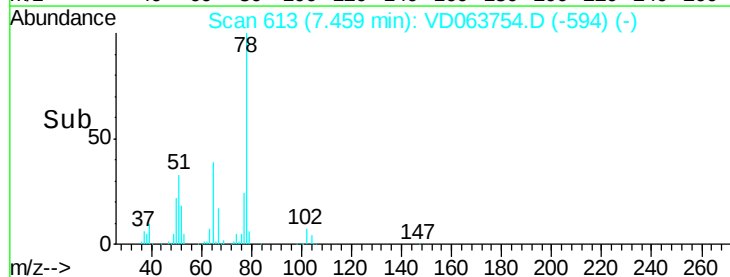
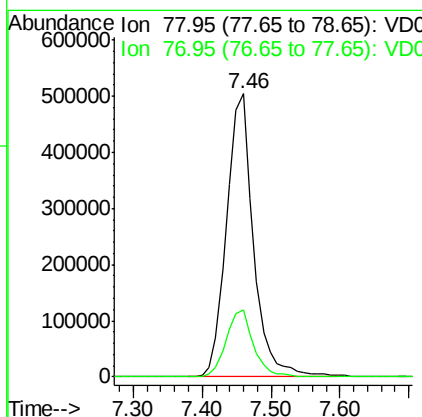
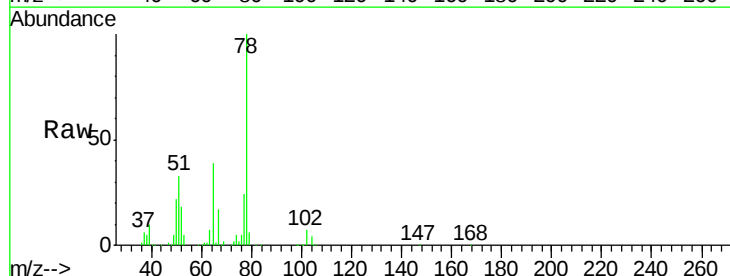
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

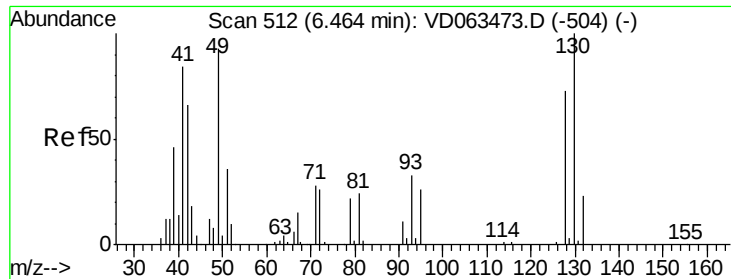
Tot Ion: 83 Resp: 517231
Ion Ratio Lower Upper
83 100
55 91.0 76.6 114.8
98 43.3 39.4 59.0



#40
Benzene
Concen: 49.658 ug/l
RT: 7.46 min Scan# 613
Delta R.T. -0.01 min
Lab File: VD063754.D
Acq: 23 Aug 2019 9:24

Tgt Ion: 78 Resp: 1366897
Ion Ratio Lower Upper
78 100
77 23.8 20.1 30.1

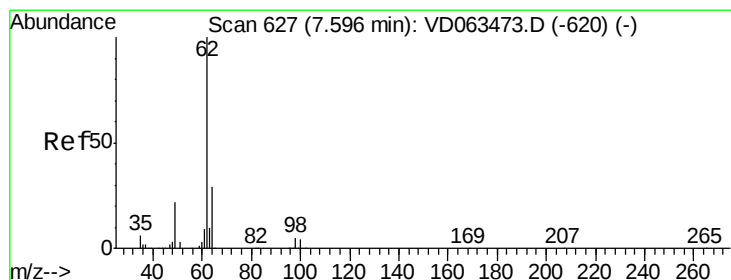
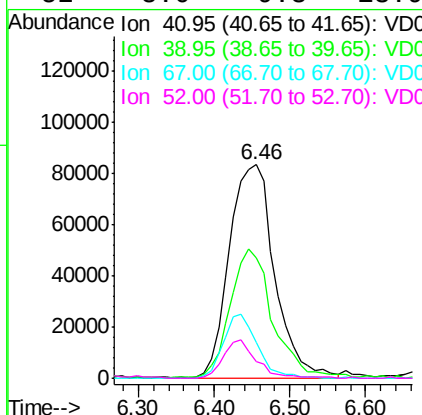
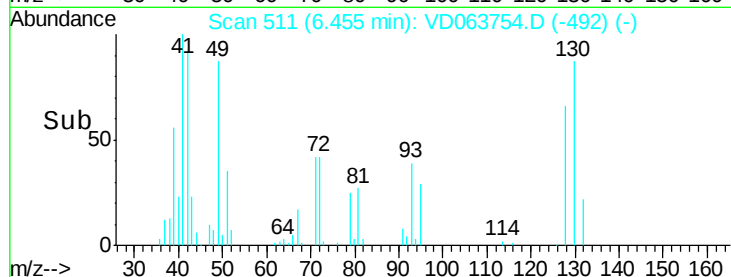
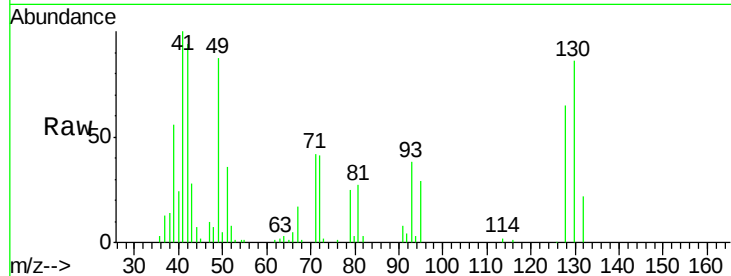




#41
Methacrylonitrile
Concen: 52.463 ug/l
RT: 6.46 min Scan# 511
Delta R.T. -0.01 min
Lab File: VD063754.D
Acq: 23 Aug 2019 9:24

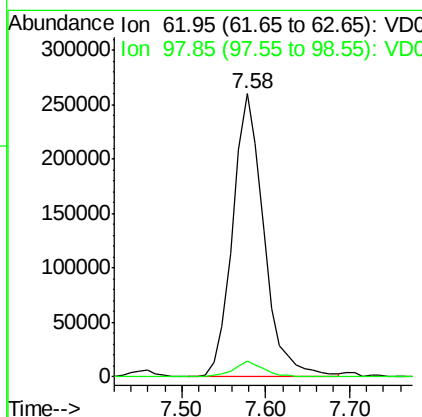
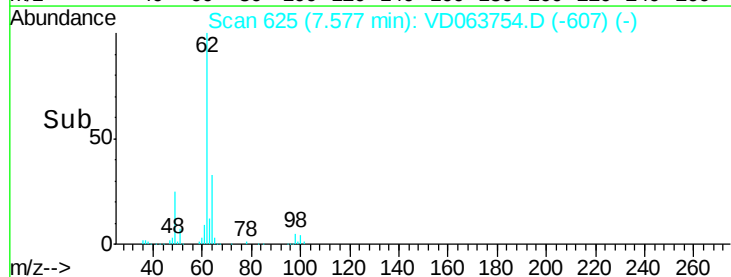
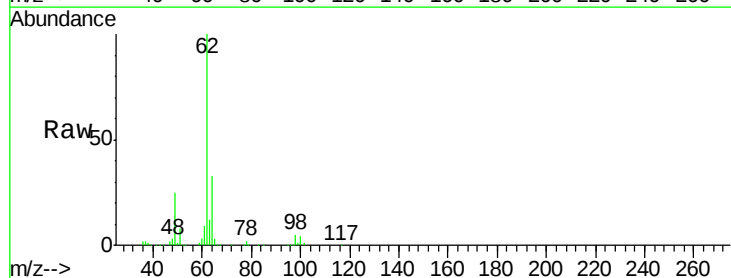
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

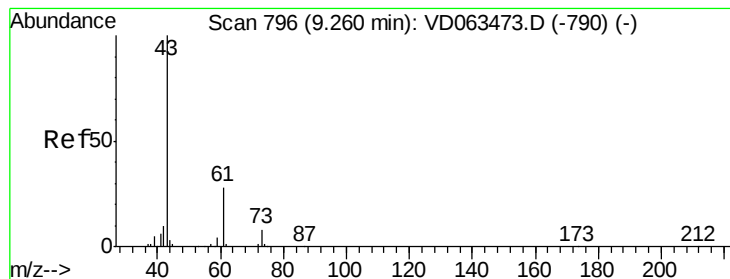
Tot Ion: 41 Resp: 346223
Ion Ratio Lower Upper
41 100
39 56.1 44.6 66.8
67 16.5 14.4 21.6
52 8.0 9.3 13.9#



#42
1,2-Dichloroethane
Concen: 48.121 ug/l
RT: 7.58 min Scan# 625
Delta R.T. -0.02 min
Lab File: VD063754.D
Acq: 23 Aug 2019 9:24

Tgt Ion: 62 Resp: 666031
Ion Ratio Lower Upper
62 100
98 5.4 0.0 10.4





#43

Isopropyl Acetate

Concen: 53.376 ug/l

RT: 9.24 min Scan# 794

Delta R.T. -0.02 min

Lab File: VD063754.D

Acq: 23 Aug 2019 9:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

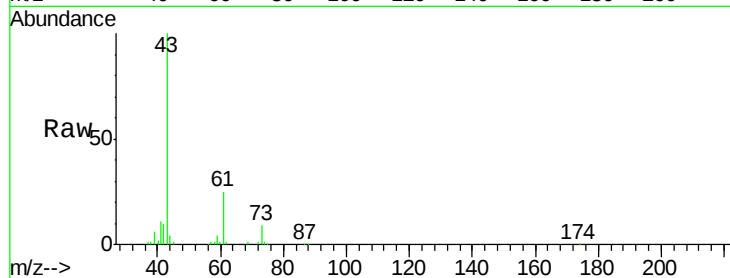
Tot Ion: 43 Resp: 374687

Ion Ratio Lower Upper

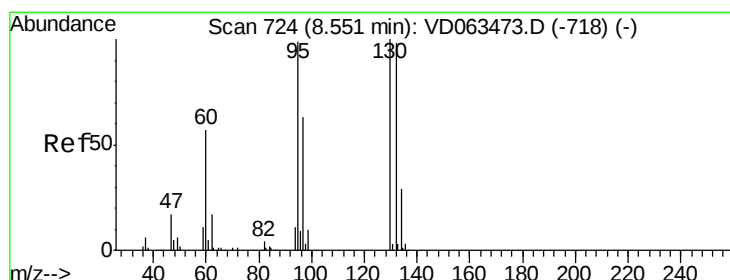
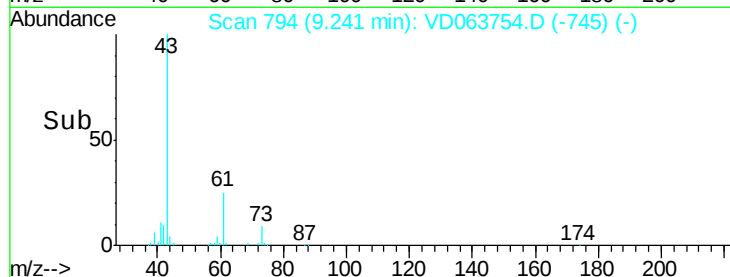
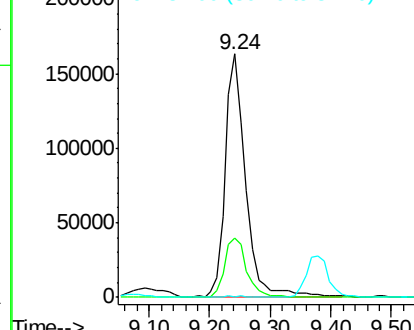
43 100

61 24.5 22.2 33.2

87 0.4 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: 49.195 ug/l

RT: 8.54 min Scan# 723

Delta R.T. -0.01 min

Lab File: VD063754.D

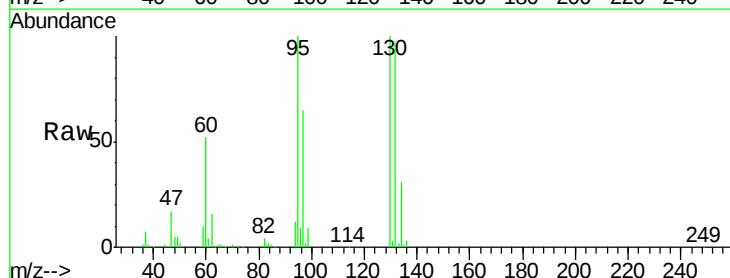
Acq: 23 Aug 2019 9:24

Tgt Ion: 130 Resp: 517586

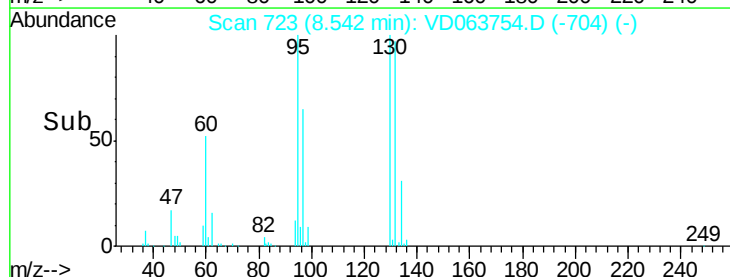
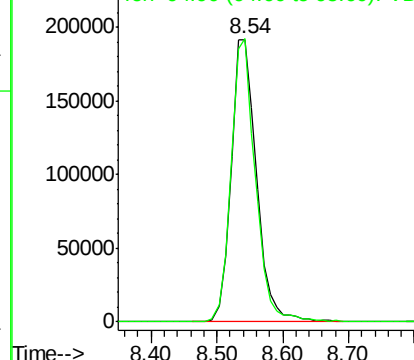
Ion Ratio Lower Upper

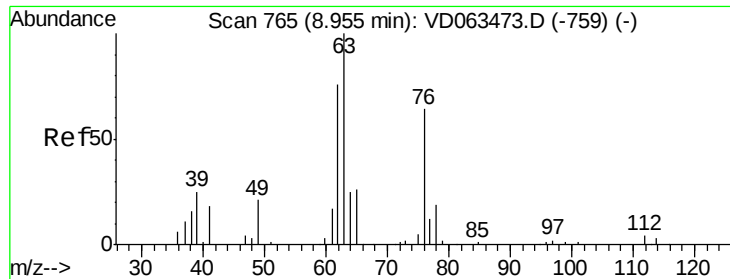
130 100

95 100.2 0.0 198.0



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





#45

1,2-Dichloropropane

Concen: 54.724 ug/l

RT: 8.94 min Scan# 763

Delta R.T. -0.02 min

Lab File: VD063754.D

Acq: 23 Aug 2019 9:24

Instrument :

MSVOA_D

ClientSampleId :

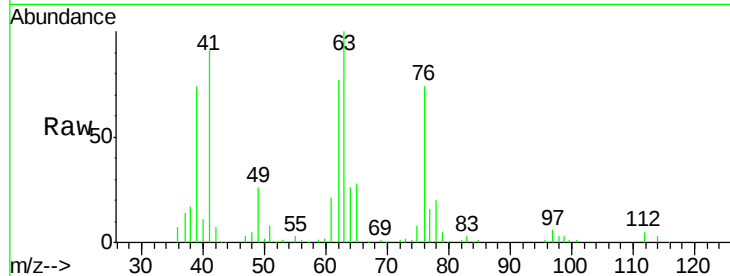
VSTDCCC050

Tot Ion: 63 Resp: 350793

Ion Ratio Lower Upper

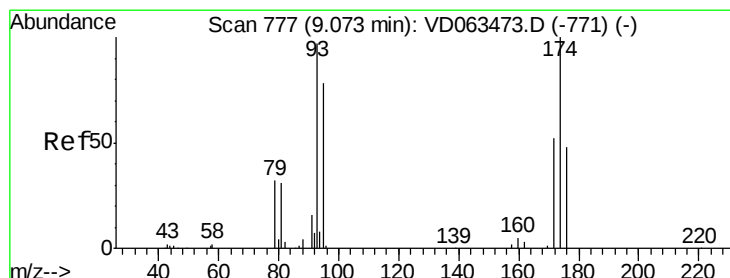
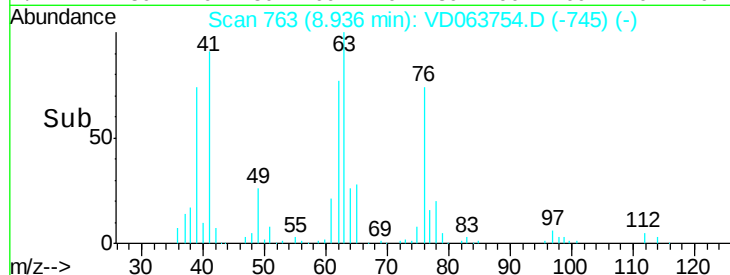
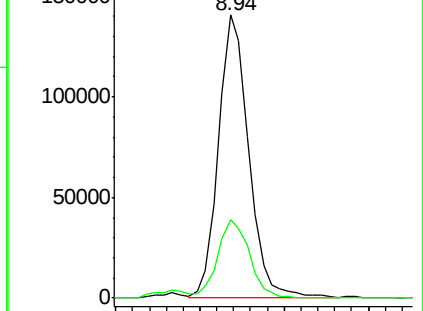
63 100

65 27.9 22.5 33.7



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 53.055 ug/l

RT: 9.06 min Scan# 776

Delta R.T. -0.01 min

Lab File: VD063754.D

Acq: 23 Aug 2019 9:24

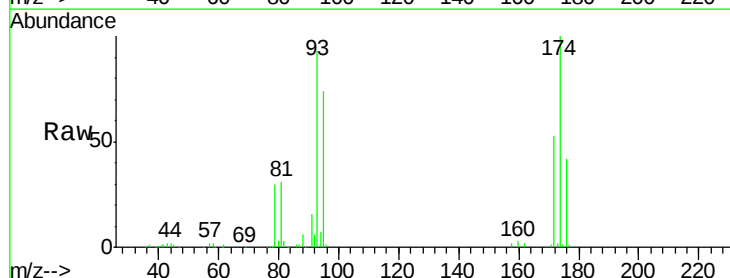
Tgt Ion: 93 Resp: 290435

Ion Ratio Lower Upper

93 100

95 78.9 64.2 96.2

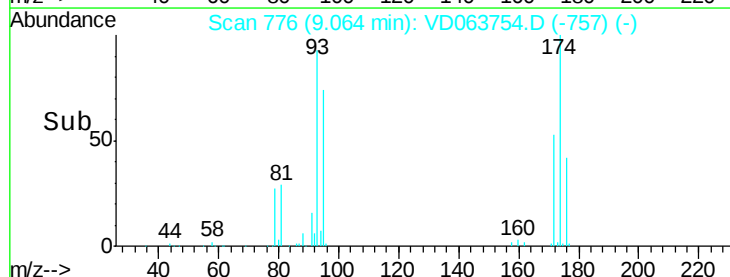
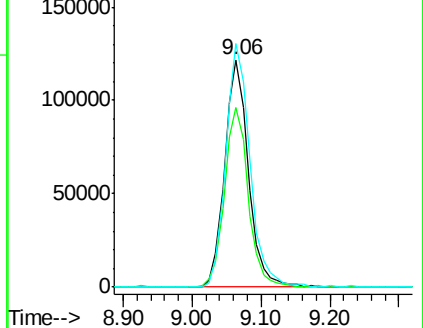
174 107.1 82.1 123.1

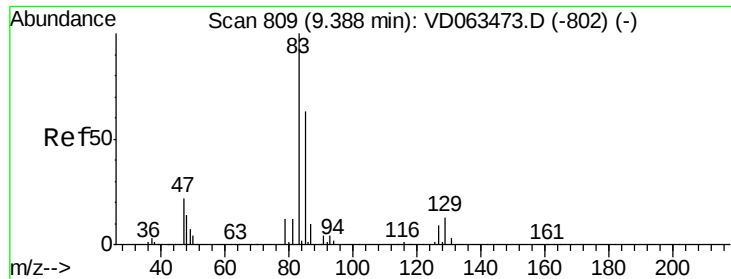


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 55.303 ug/l

RT: 9.38 min Scan# 808

Delta R.T. -0.01 min

Lab File: VD063754.D

Acq: 23 Aug 2019 9:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

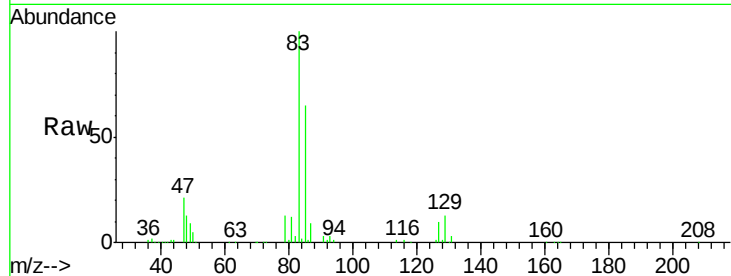
Tot Ion: 83 Resp: 776558

Ion Ratio Lower Upper

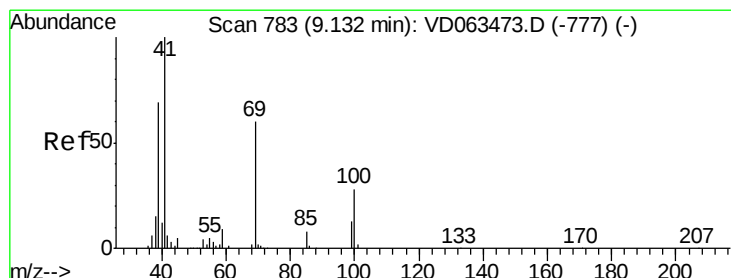
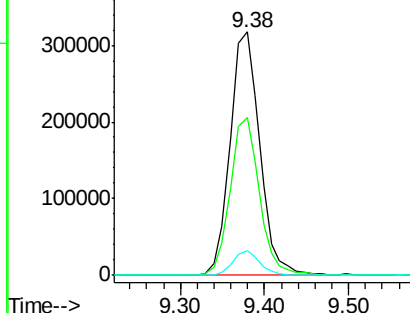
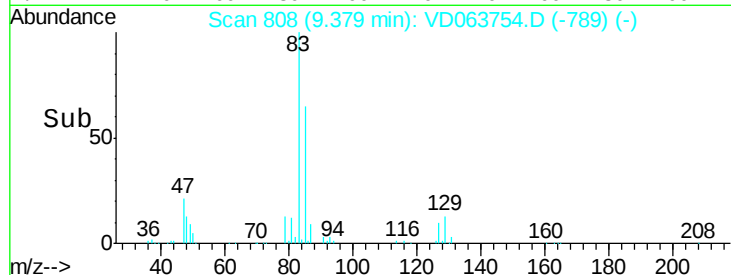
83 100

85 64.9 50.1 75.1

127 10.4 7.6 11.4



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



#48

Methyl methacrylate

Concen: 52.605 ug/l

RT: 9.12 min Scan# 782

Delta R.T. -0.01 min

Lab File: VD063754.D

Acq: 23 Aug 2019 9:24

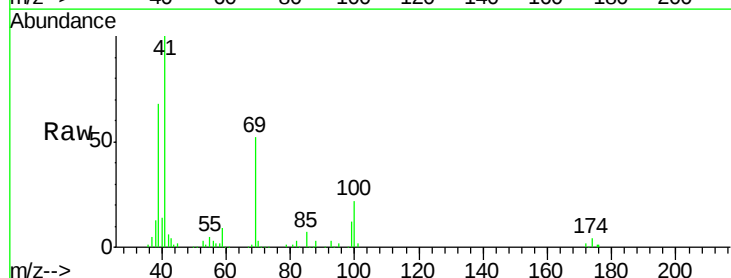
Tgt Ion: 41 Resp: 250434

Ion Ratio Lower Upper

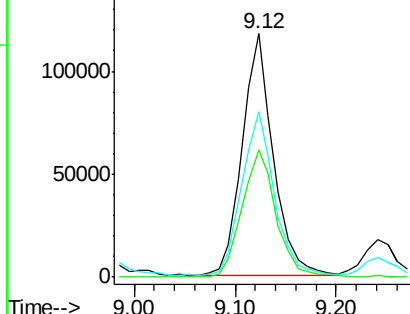
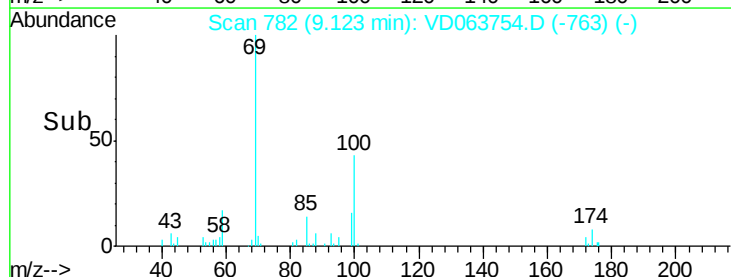
41 100

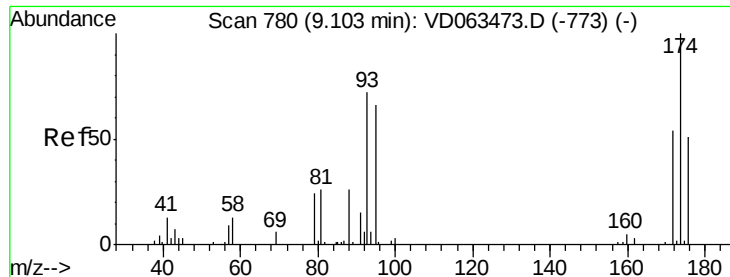
69 52.2 47.6 71.4

39 68.1 55.7 83.5



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

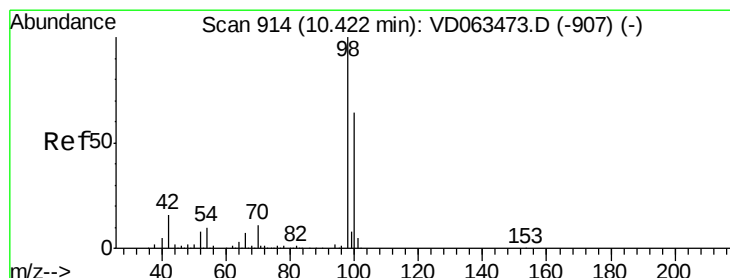
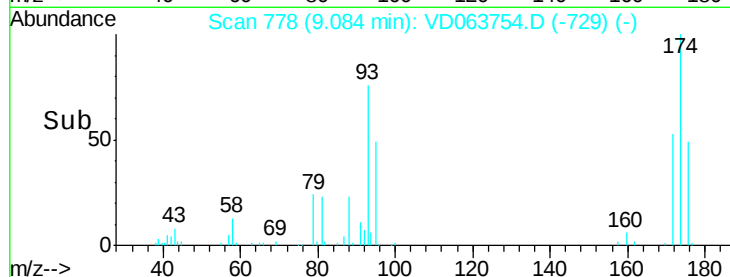
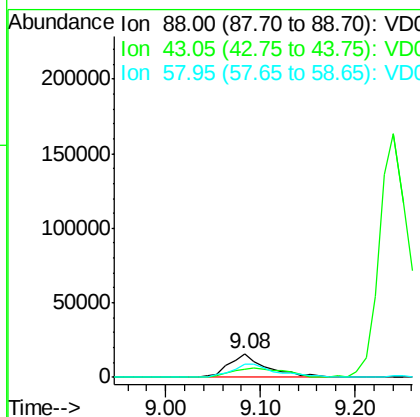
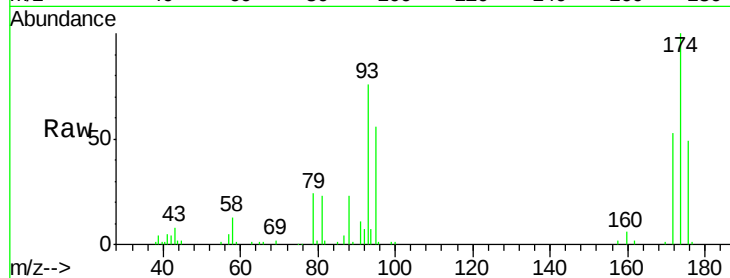




#49
 1,4-Dioxane
 Concen: 1022.614 ug/l
 RT: 9.08 min Scan# 778
 Delta R.T. -0.02 min
 Lab File: VD063754.D
 Acq: 23 Aug 2019 9:24

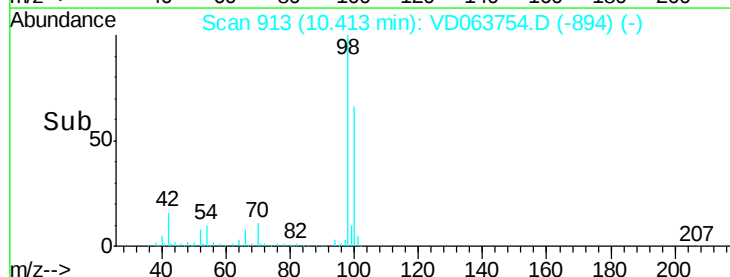
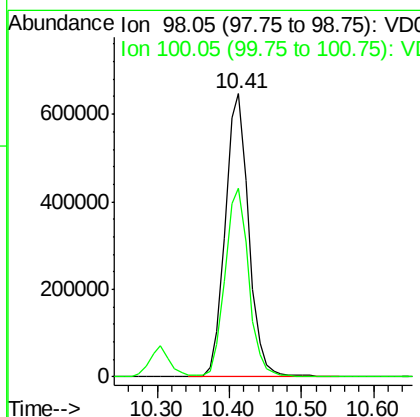
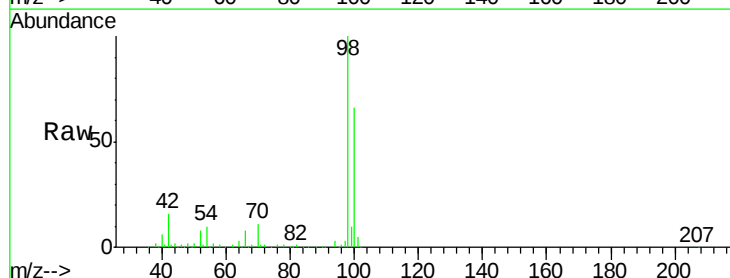
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

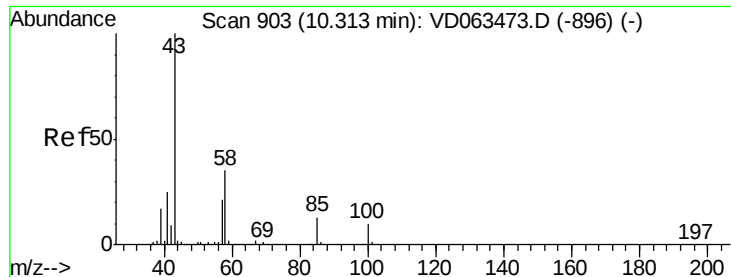
Tot Ion: 88 Resp: 43498
 Ion Ratio Lower Upper
 88 100
 43 47.6 22.9 34.3#
 58 57.2 40.1 60.1



#50
 Toluene-d8
 Concen: 55.871 ug/l
 RT: 10.41 min Scan# 913
 Delta R.T. -0.01 min
 Lab File: VD063754.D
 Acq: 23 Aug 2019 9:24

Tgt Ion: 98 Resp: 1463781
 Ion Ratio Lower Upper
 98 100
 100 66.5 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 267.102 ug/l

RT: 10.30 min Scan# 902

Delta R.T. -0.01 min

Lab File: VD063754.D

Acq: 23 Aug 2019 9:24

Instrument :

MSVOA_D

ClientSampleId :

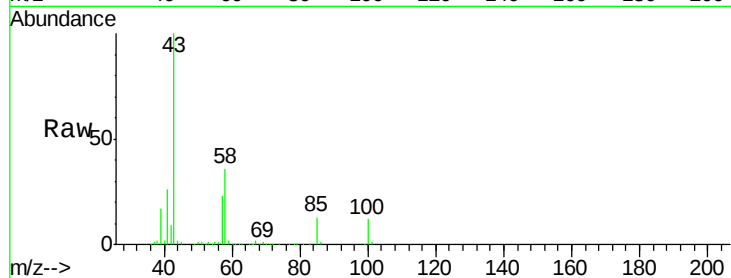
VSTDCCC050

Tot Ion: 43 Resp: 1283016

Ion Ratio Lower Upper

43 100

58 36.0 28.0 42.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.30

600000

500000

400000

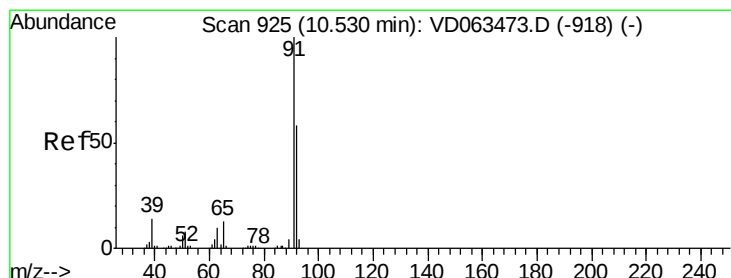
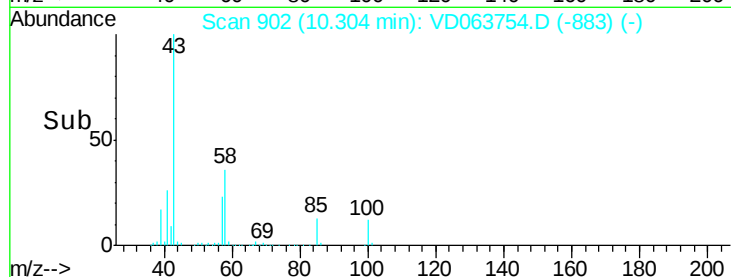
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 51.172 ug/l

RT: 10.51 min Scan# 923

Delta R.T. -0.02 min

Lab File: VD063754.D

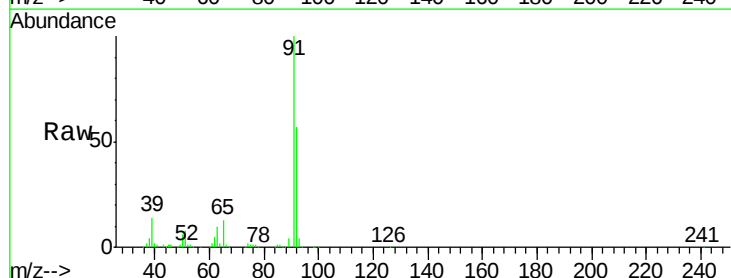
Acq: 23 Aug 2019 9:24

Tgt Ion: 92 Resp: 907259

Ion Ratio Lower Upper

92 100

91 174.9 137.9 206.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.51

800000

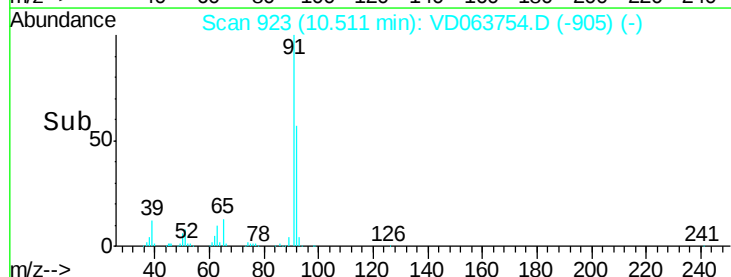
600000

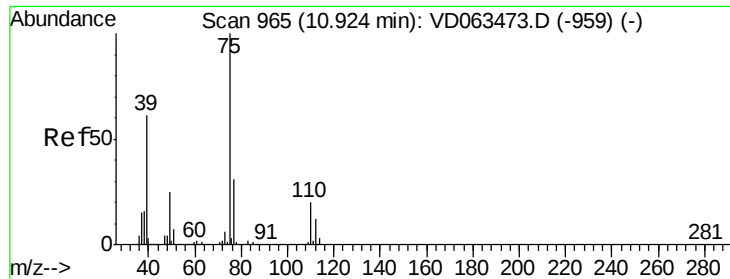
400000

200000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 56.656 ug/l

RT: 10.91 min Scan# 964

Delta R.T. -0.01 min

Lab File: VD063754.D

Acq: 23 Aug 2019 9:24

Instrument :

MSVOA_D

ClientSampleId :

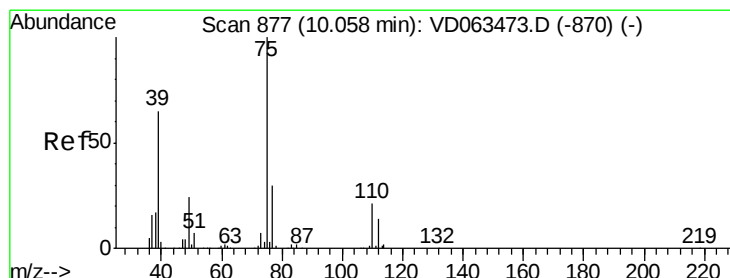
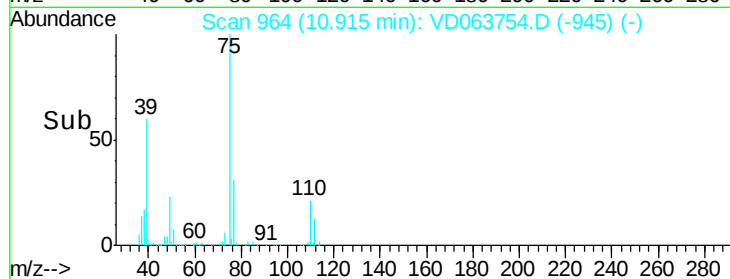
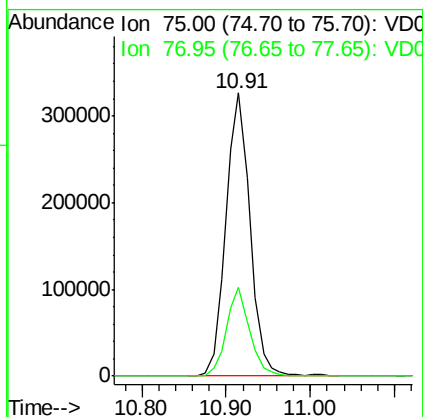
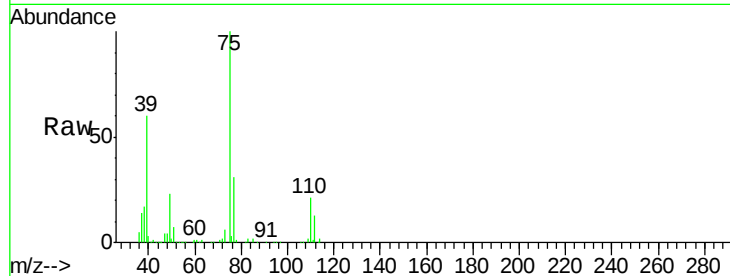
VSTDCCC050

Tot Ion: 75 Resp: 649253

Ion Ratio Lower Upper

75 100

77 31.2 24.5 36.7



#54

cis-1,3-Dichloropropene

Concen: 55.000 ug/l

RT: 10.04 min Scan# 875

Delta R.T. -0.02 min

Lab File: VD063754.D

Acq: 23 Aug 2019 9:24

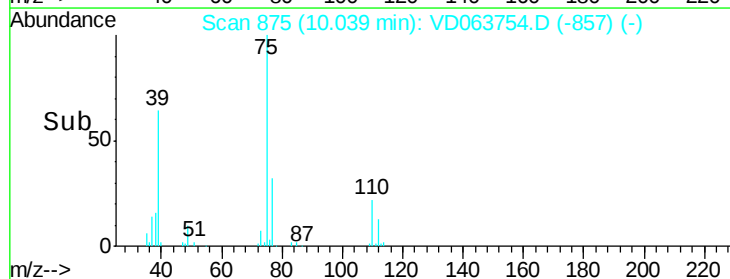
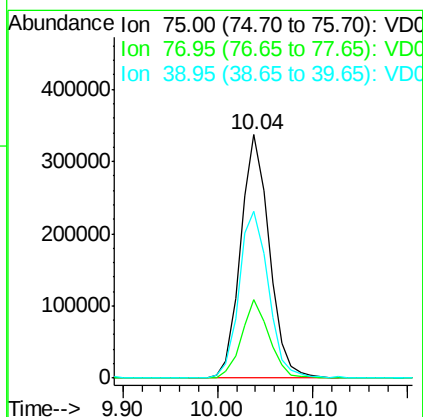
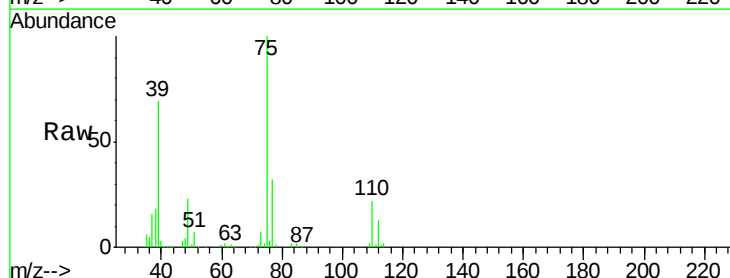
Tgt Ion: 75 Resp: 710688

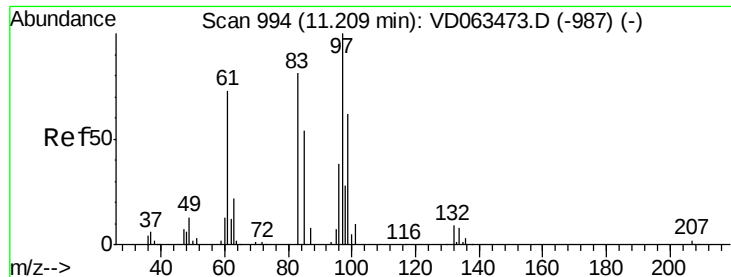
Ion Ratio Lower Upper

75 100

77 32.3 23.7 35.5

39 68.5 52.2 78.4

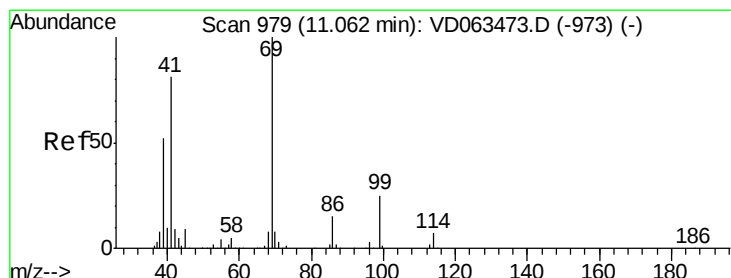
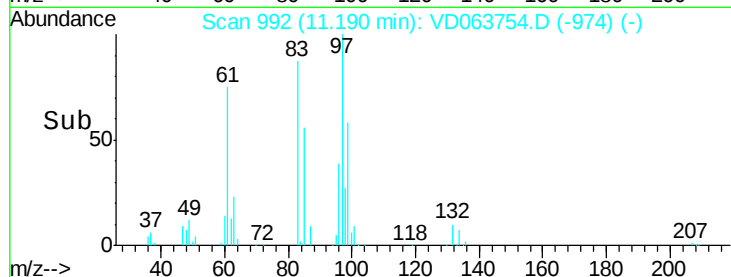
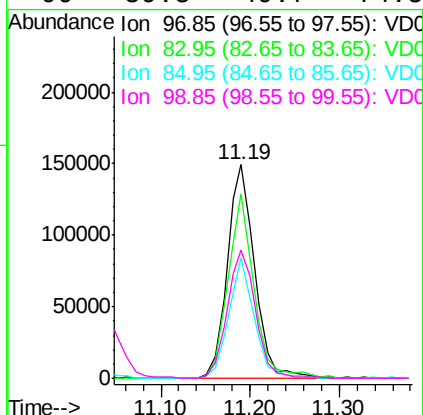
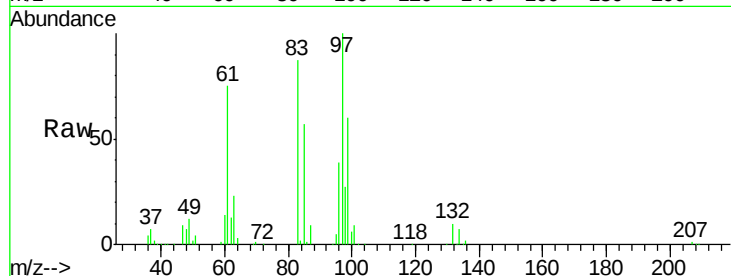




#55
 1,1,2-Trichloroethane
 Concen: 53.593 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. -0.02 min
 Lab File: VD063754.D
 Acq: 23 Aug 2019 9:24

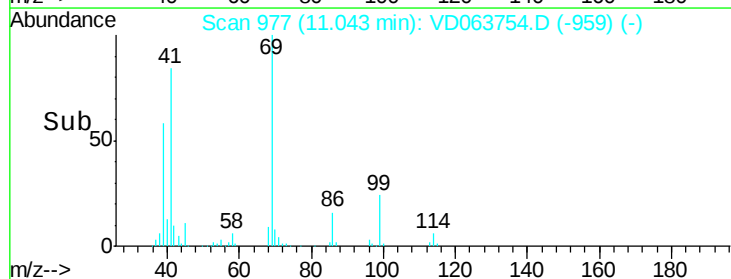
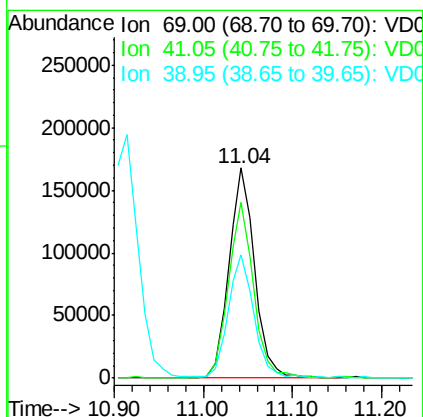
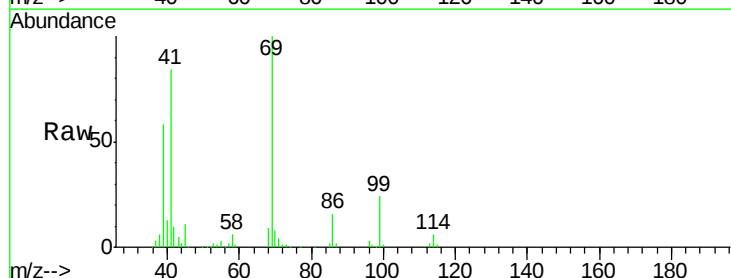
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

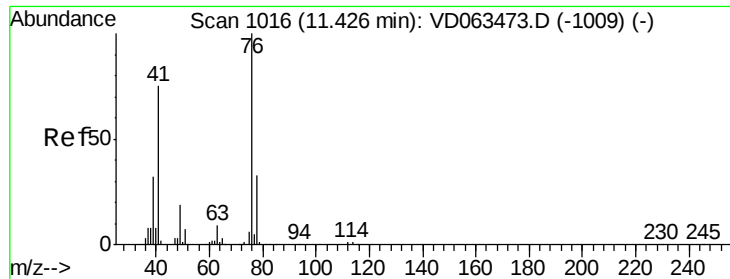
Tot Ion:	97	Resp:	320963
Ion	Ratio	Lower	Upper
97	100		
83	86.6	64.7	97.1
85	56.6	42.9	64.3
99	59.8	49.7	74.5



#56
 Ethyl methacrylate
 Concen: 52.050 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. -0.02 min
 Lab File: VD063754.D
 Acq: 23 Aug 2019 9:24

Tgt Ion:	69	Resp:	338344
Ion	Ratio	Lower	Upper
69	100		
41	83.7	64.8	97.2
39	58.5	42.4	63.6

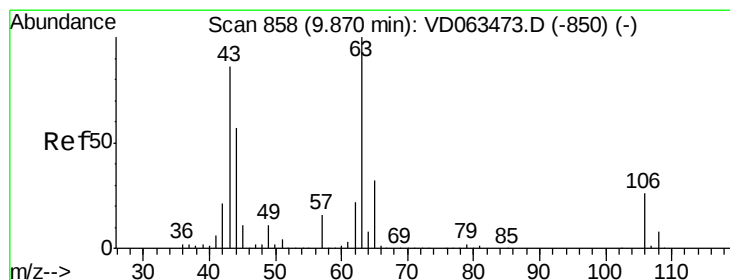
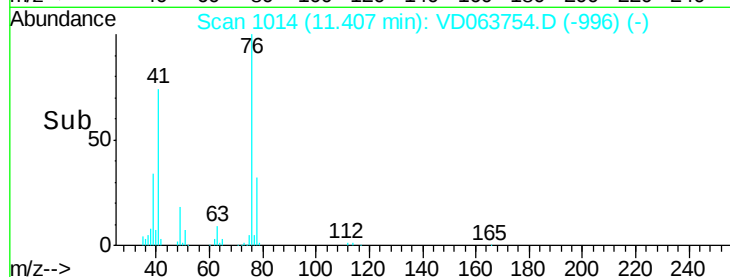
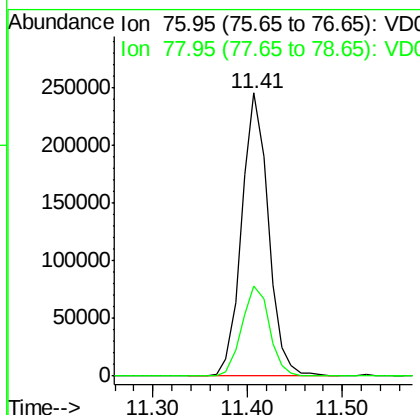
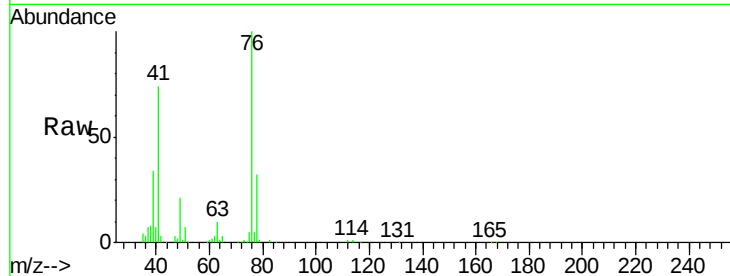




#57
 1,3-Dichloropropane
 Concen: 52.943 ug/l
 RT: 11.41 min Scan# 1014
 Delta R.T. -0.02 min
 Lab File: VD063754.D
 Acq: 23 Aug 2019 9:24

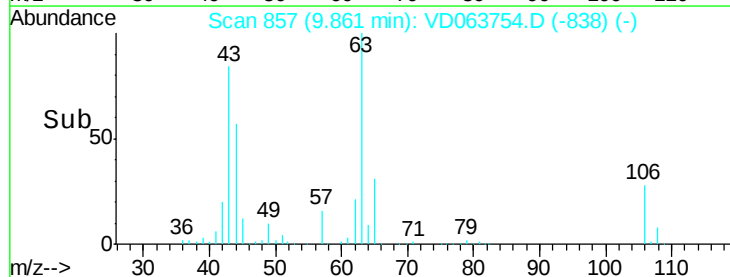
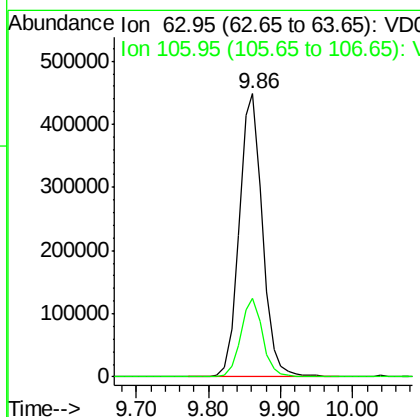
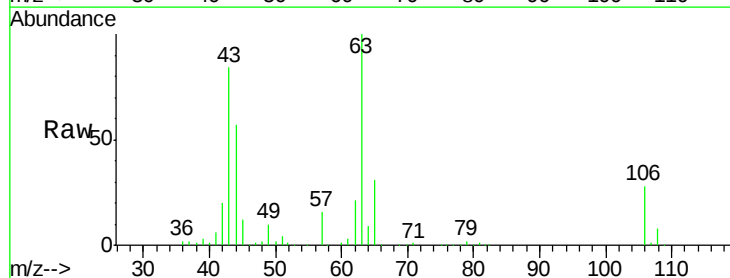
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

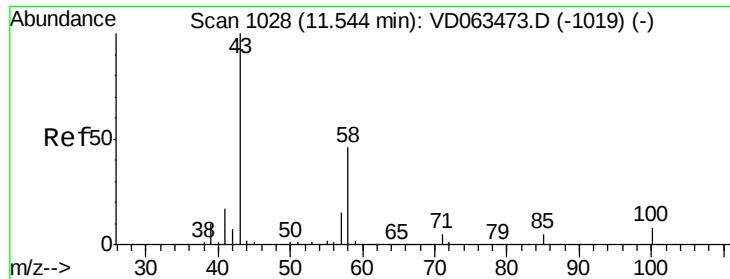
Tot Ion: 76 Resp: 479282
 Ion Ratio Lower Upper
 76 100
 78 31.9 26.3 39.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 292.258 ug/l
 RT: 9.86 min Scan# 857
 Delta R.T. -0.01 min
 Lab File: VD063754.D
 Acq: 23 Aug 2019 9:24

Tgt Ion: 63 Resp: 1002961
 Ion Ratio Lower Upper
 63 100
 106 27.6 20.8 31.2

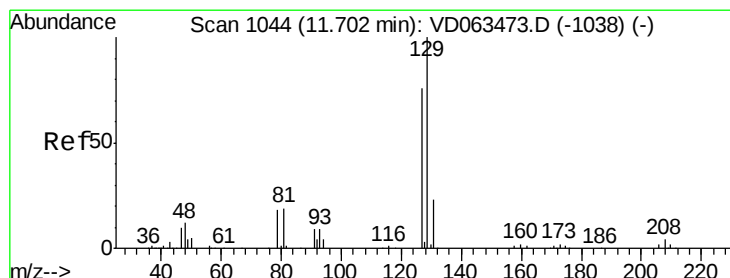
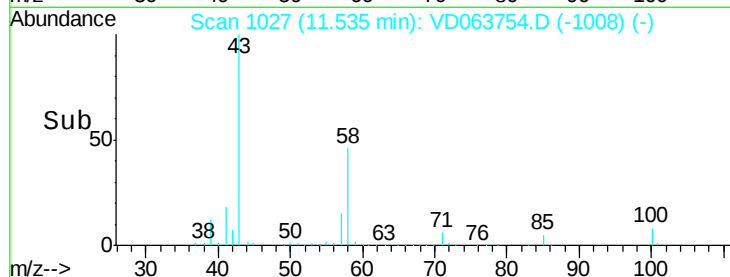
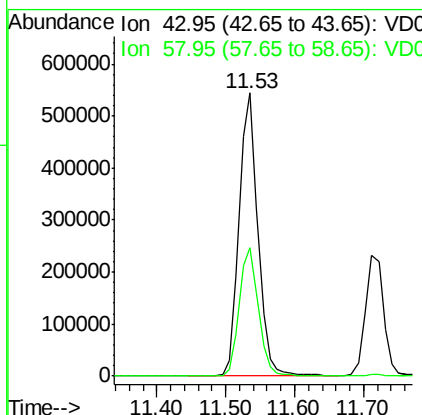
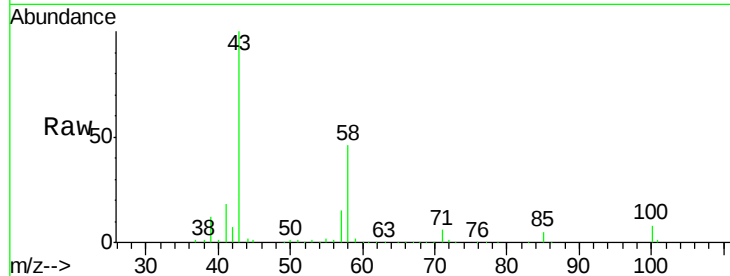




#59
2-Hexanone
Concen: 295.613 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. -0.01 min
Lab File: VD063754.D
Acq: 23 Aug 2019 9:24

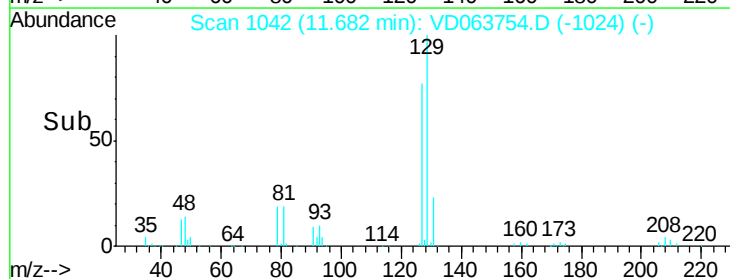
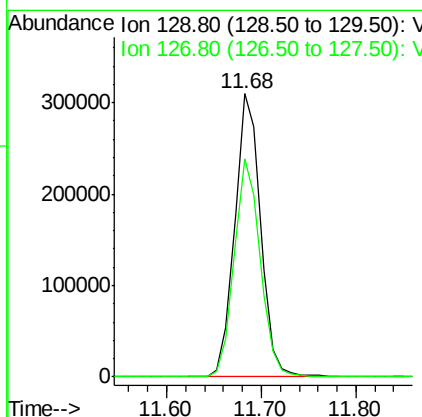
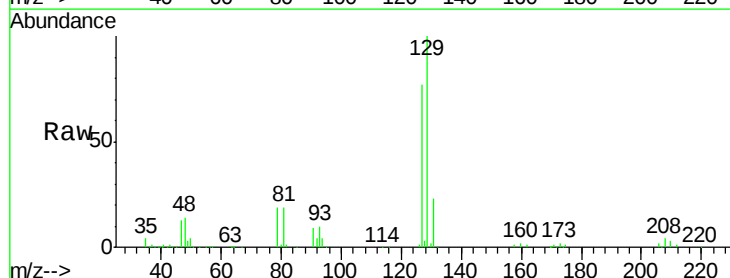
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

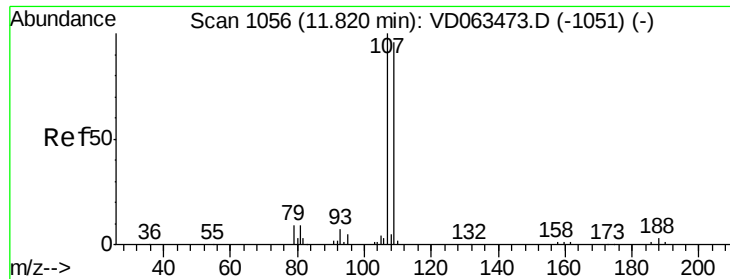
Tot Ion: 43 Resp: 1033207
Ion Ratio Lower Upper
43 100
58 45.6 23.1 69.2



#60
Dibromochloromethane
Concen: 53.687 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.02 min
Lab File: VD063754.D
Acq: 23 Aug 2019 9:24

Tgt Ion: 129 Resp: 585075
Ion Ratio Lower Upper
129 100
127 77.1 37.8 113.4

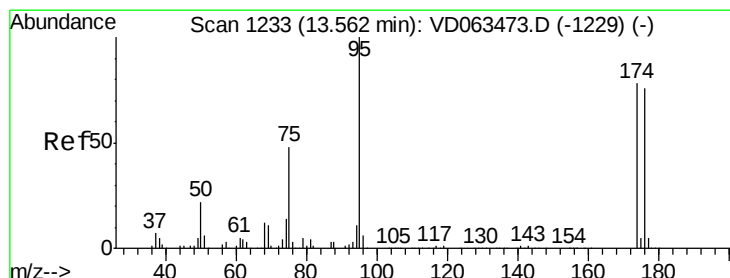
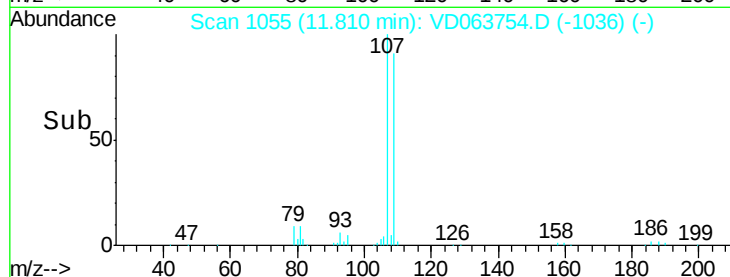
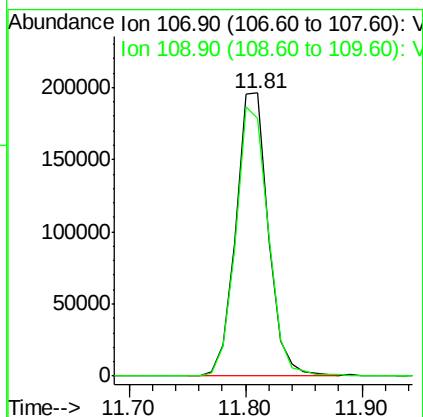
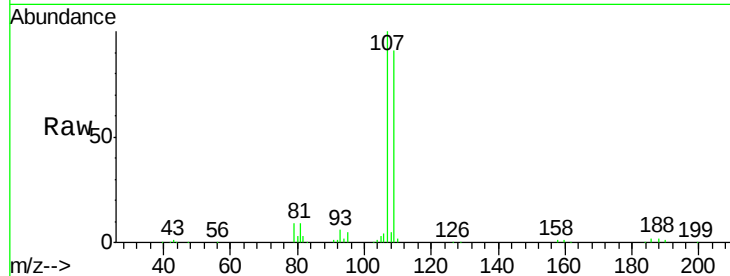




#61
 1,2-Dibromoethane
 Concen: 52.234 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. -0.01 min
 Lab File: VD063754.D
 Acq: 23 Aug 2019 9:24

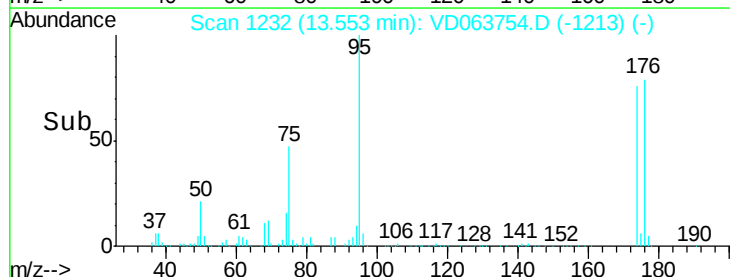
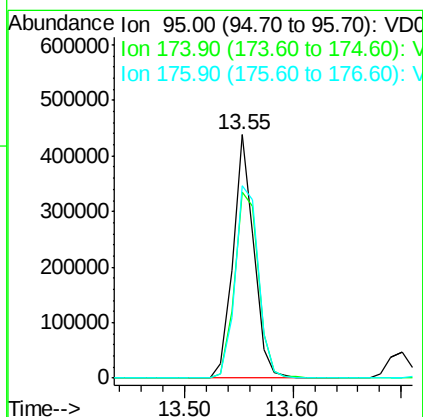
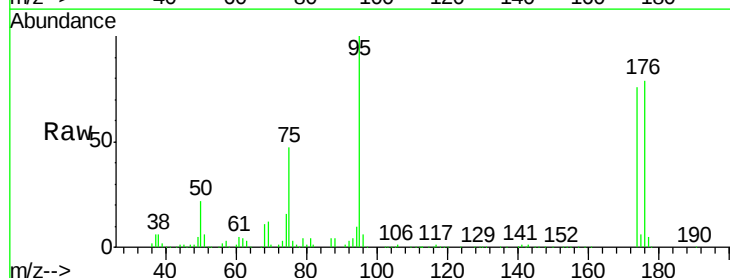
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 107 Resp: 378703
 Ion Ratio Lower Upper
 107 100
 109 91.1 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 49.284 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.01 min
 Lab File: VD063754.D
 Acq: 23 Aug 2019 9:24

Tgt Ion: 95 Resp: 585230
 Ion Ratio Lower Upper
 95 100
 174 76.5 0.0 155.4
 176 79.1 0.0 152.4

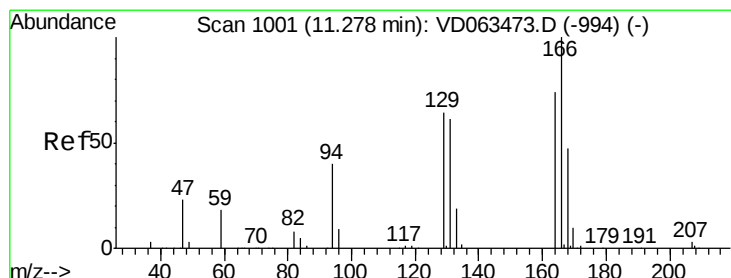
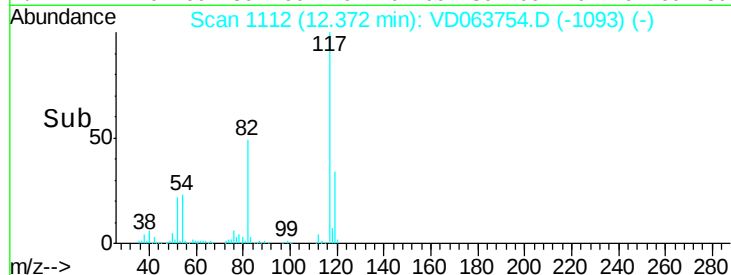
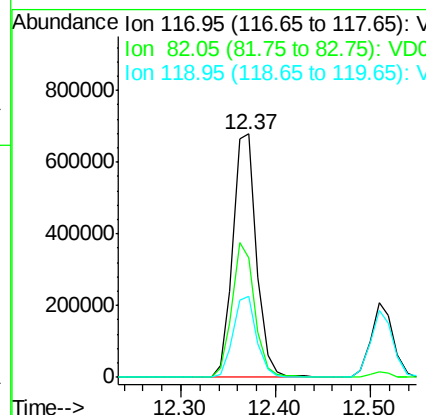
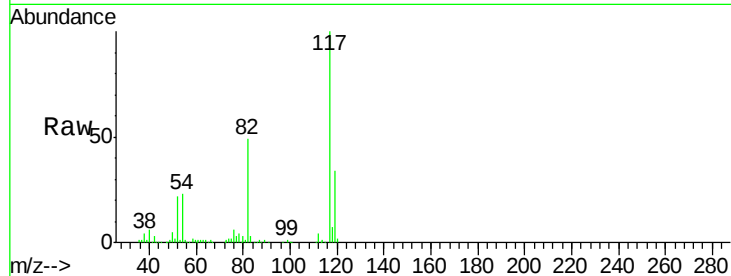




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VD063754.D
Acq: 23 Aug 2019 9:24

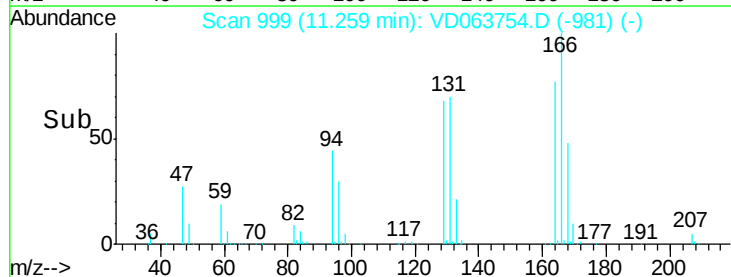
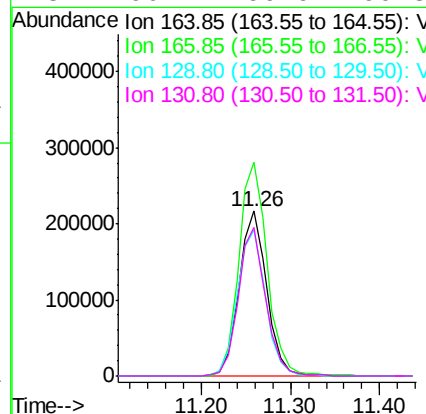
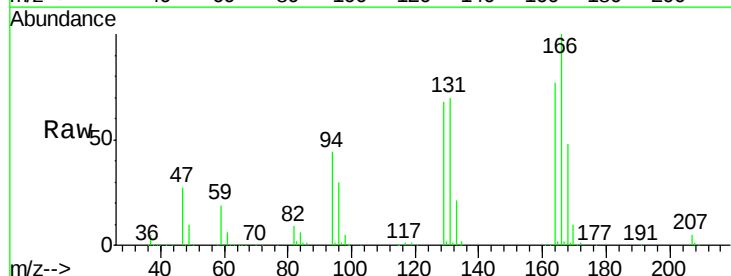
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

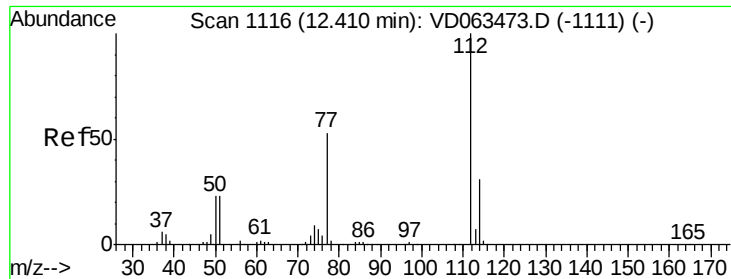
Tot Ion:117 Resp: 1176051
Ion Ratio Lower Upper
117 100
82 48.8 42.0 63.0
119 33.5 25.4 38.0



#64
Tetrachloroethene
Concen: 51.740 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.02 min
Lab File: VD063754.D
Acq: 23 Aug 2019 9:24

Tgt Ion:164 Resp: 469740
Ion Ratio Lower Upper
164 100
166 129.6 108.6 163.0
129 88.2 69.0 103.6
131 90.2 66.6 99.8

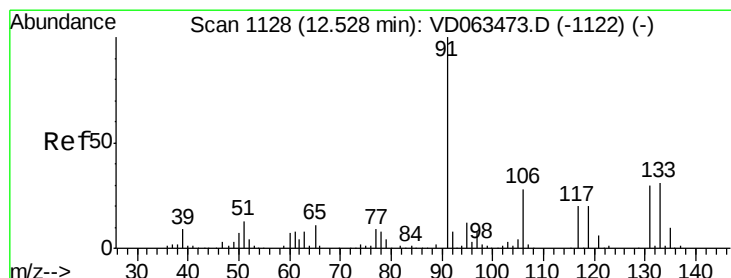
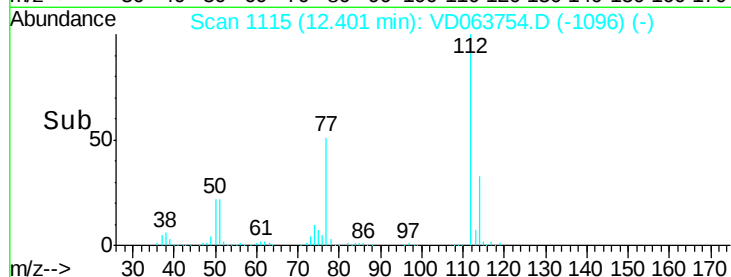
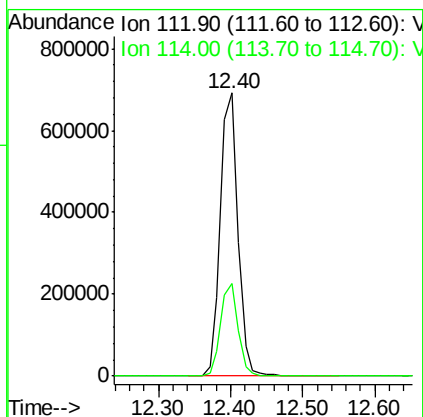
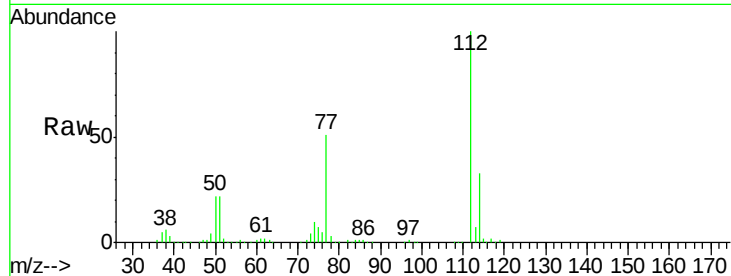




#65
Chlorobenzene
Concen: 52.903 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. -0.01 min
Lab File: VD063754.D
Acq: 23 Aug 2019 9:24

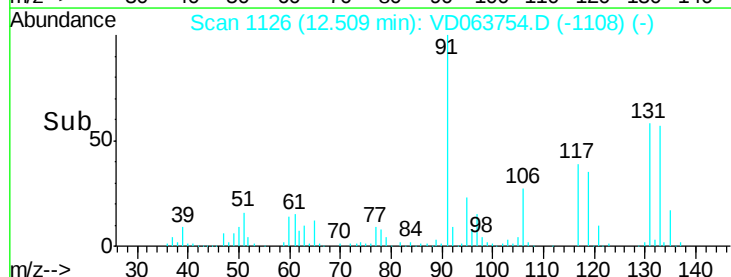
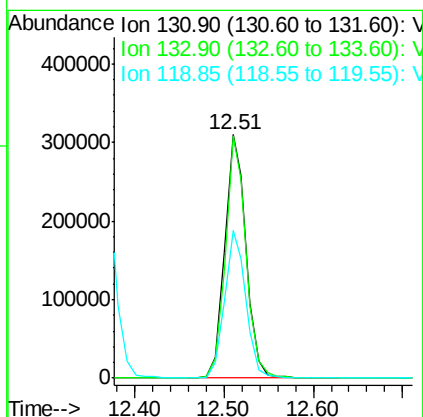
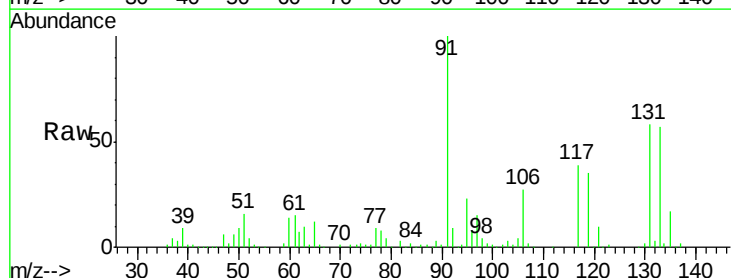
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1166096
Ion Ratio Lower Upper
112 100
114 32.8 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 53.920 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.02 min
Lab File: VD063754.D
Acq: 23 Aug 2019 9:24

Tgt Ion:131 Resp: 523053
Ion Ratio Lower Upper
131 100
133 99.4 51.1 153.3
119 60.4 33.1 99.3

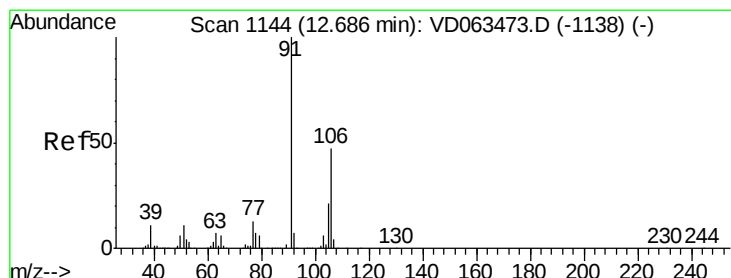
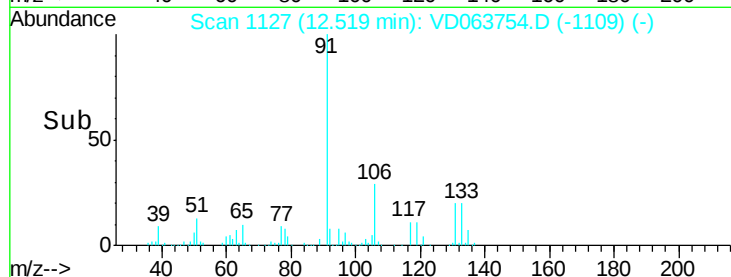
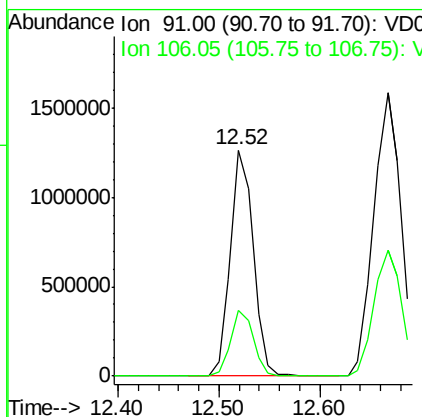
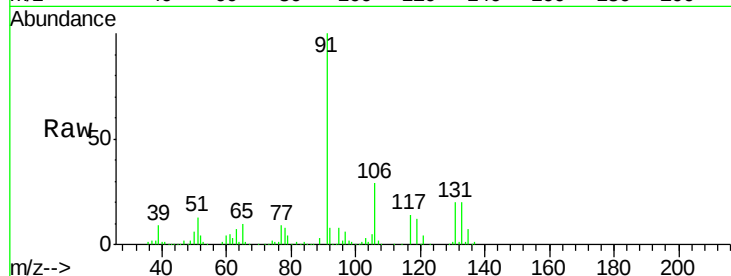




#67
Ethyl Benzene
Concen: 51.896 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.02 min
Lab File: VD063754.D
Acq: 23 Aug 2019 9:24

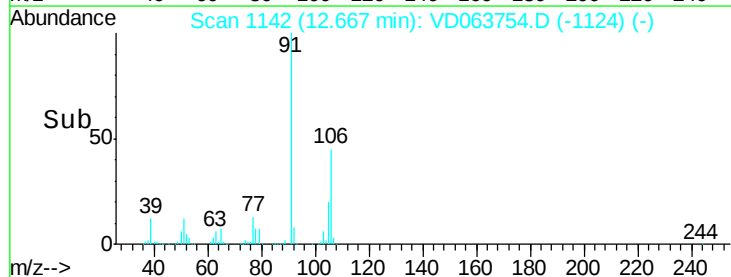
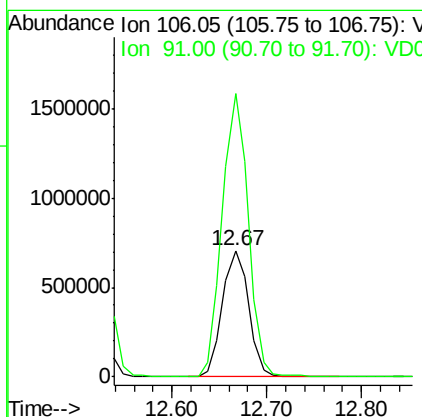
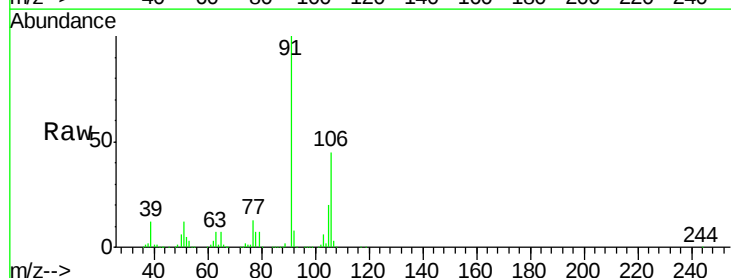
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

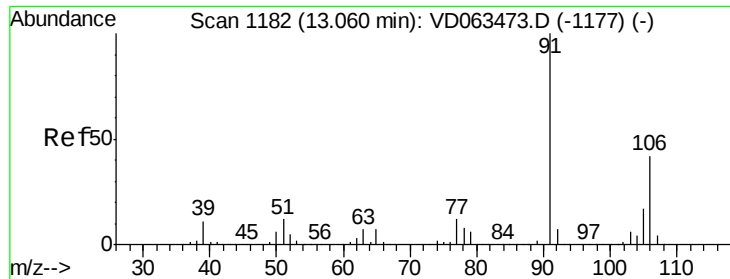
Tot Ion: 91 Resp: 1988941
Ion Ratio Lower Upper
91 100
106 29.0 23.1 34.7



#68
m/p-Xylenes
Concen: 101.057 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.02 min
Lab File: VD063754.D
Acq: 23 Aug 2019 9:24

Tgt Ion: 106 Resp: 1360735
Ion Ratio Lower Upper
106 100
91 224.5 171.8 257.8

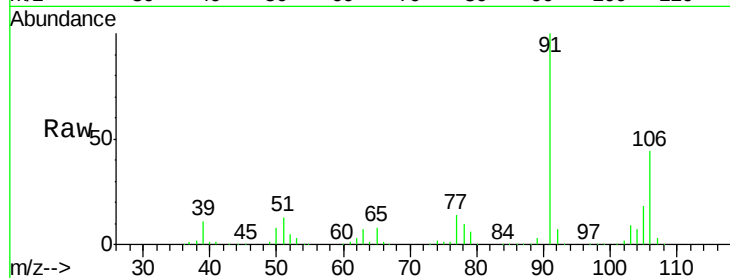




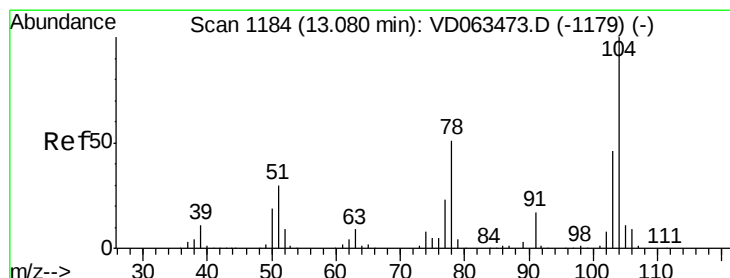
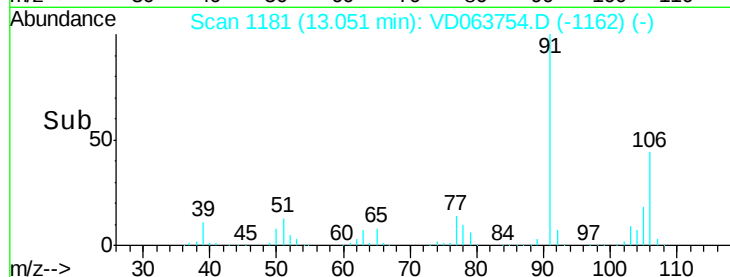
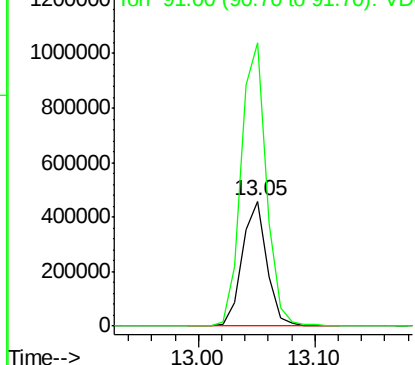
#69
o-Xylene
Concen: 51.653 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.01 min
Lab File: VD063754.D
Acq: 23 Aug 2019 9:24

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 669400
Ion Ratio Lower Upper
106 100
91 226.8 118.1 354.2

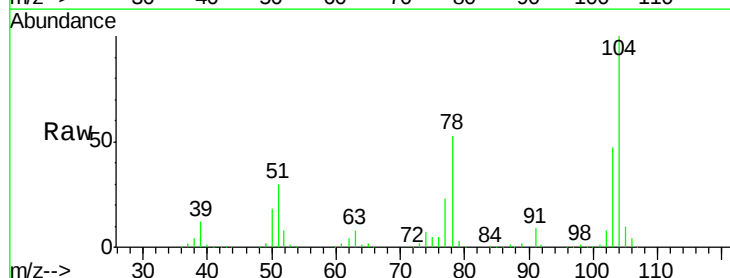


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

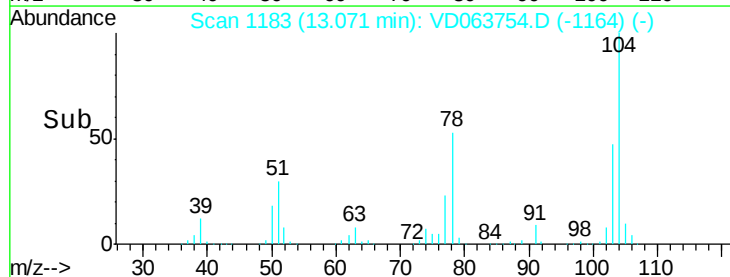
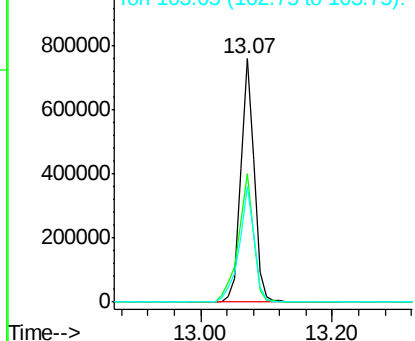


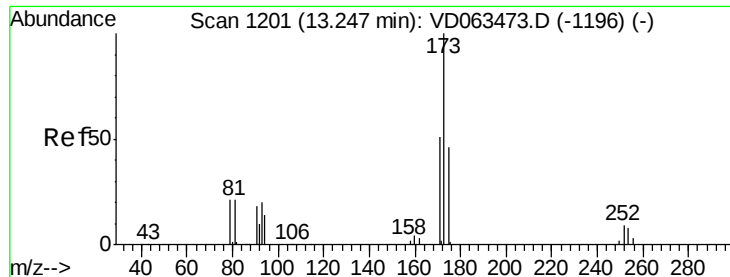
#70
Styrene
Concen: 47.256 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VD063754.D
Acq: 23 Aug 2019 9:24

Tgt Ion:104 Resp: 1089355
Ion Ratio Lower Upper
104 100
78 52.7 40.8 61.2
103 47.5 36.4 54.6



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





#71

Bromoform

Concen: 55.390 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. -0.02 min

Lab File: VD063754.D

Acq: 23 Aug 2019 9:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

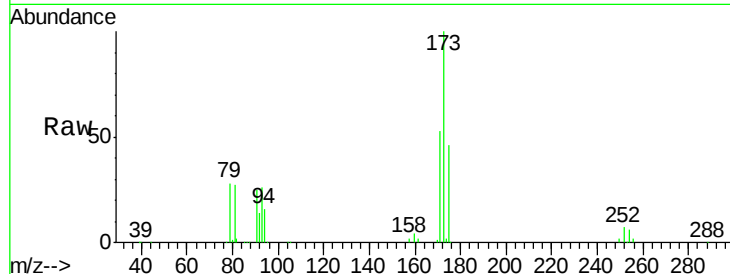
Tot Ion:173 Resp: 368436

Ion Ratio Lower Upper

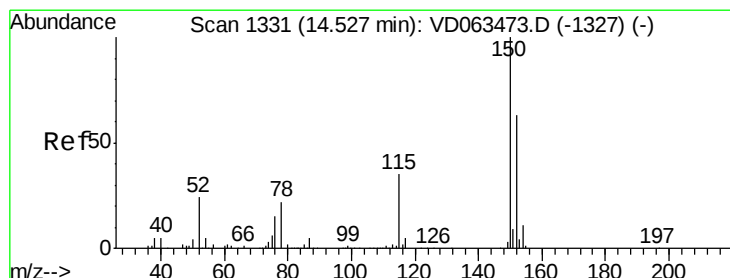
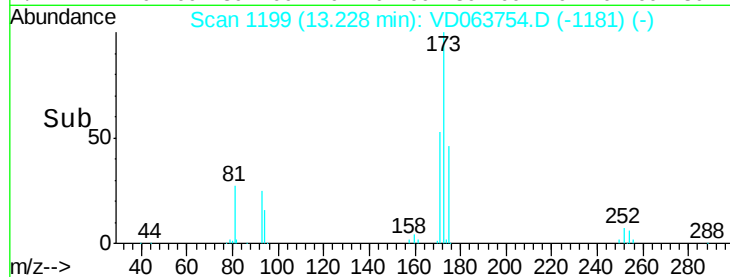
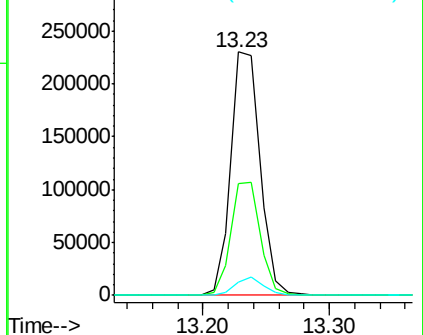
173 100

175 46.1 22.8 68.3

254 5.6 6.6 9.8#



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. -0.01 min

Lab File: VD063754.D

Acq: 23 Aug 2019 9:24

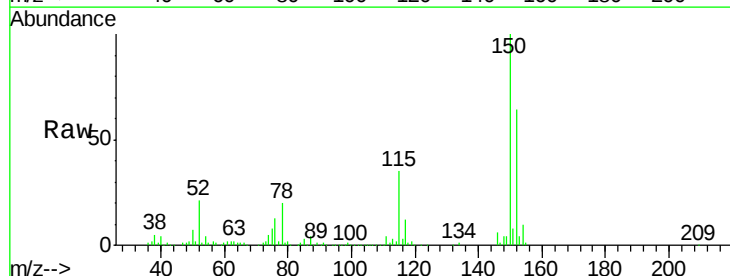
Tgt Ion:152 Resp: 634342

Ion Ratio Lower Upper

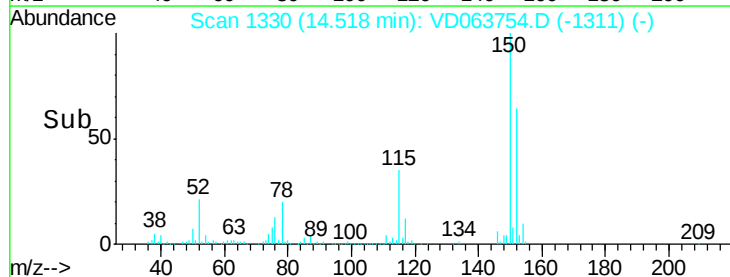
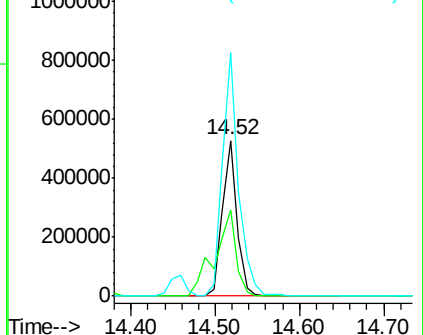
152 100

115 55.3 30.9 92.7

150 156.5 0.0 318.6



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

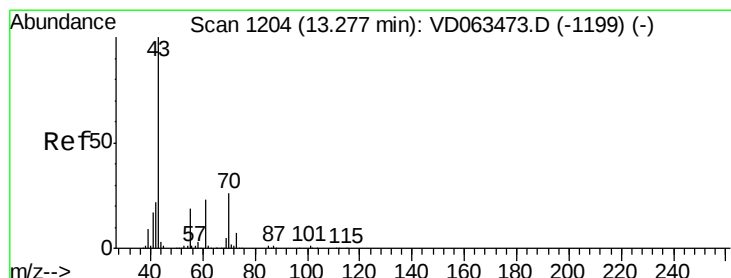
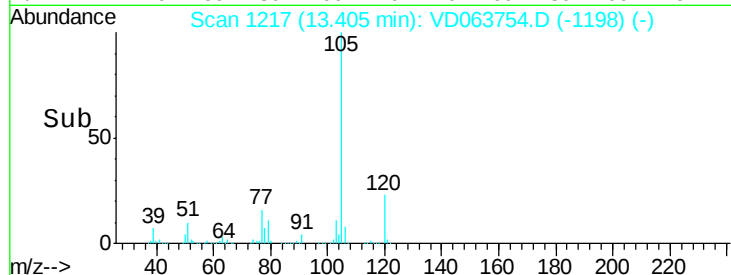
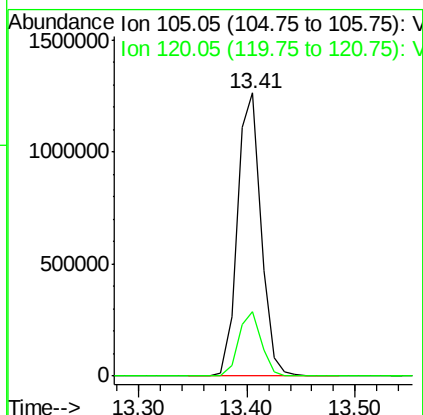
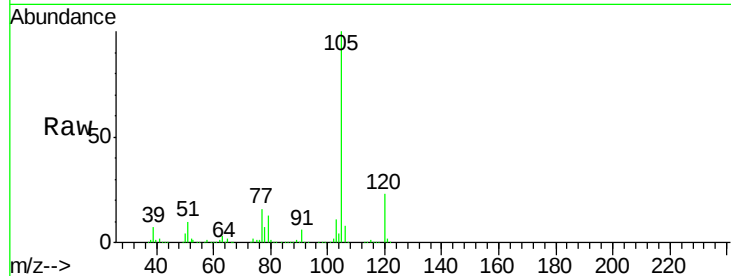




#73
Isopropylbenzene
Concen: 47.465 ug/l
RT: 13.41 min Scan# 1217
Delta R.T. -0.01 min
Lab File: VD063754.D
Acq: 23 Aug 2019 9:24

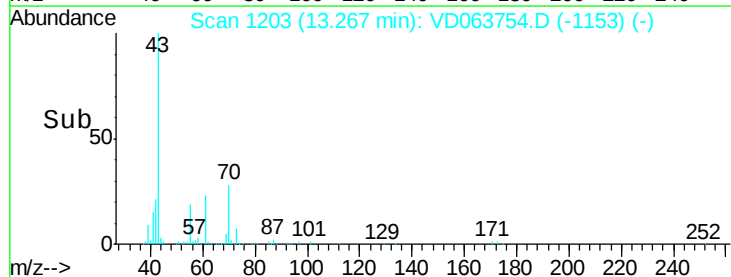
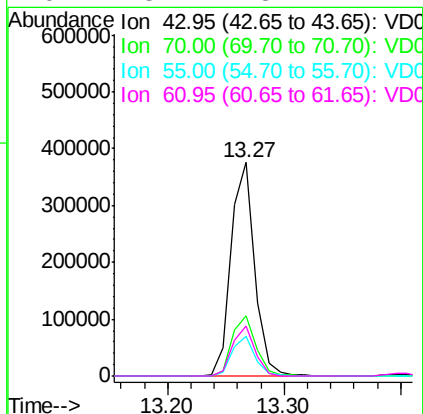
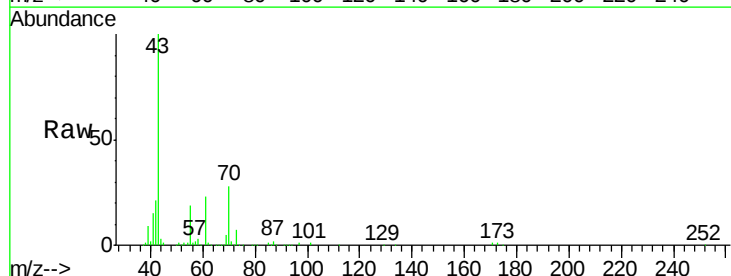
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

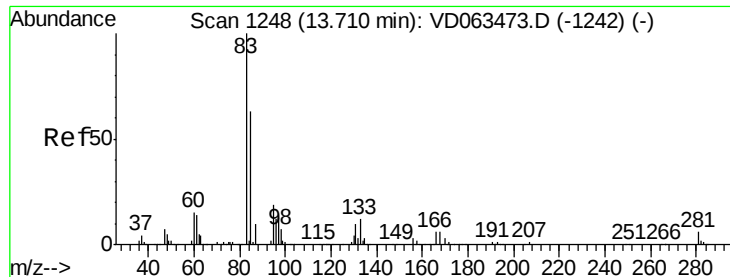
Tot Ion:105 Resp: 1915105
Ion Ratio Lower Upper
105 100
120 23.0 11.9 35.9



#74
N-ethyl acetate
Concen: 51.986 ug/l
RT: 13.27 min Scan# 1203
Delta R.T. -0.01 min
Lab File: VD063754.D
Acq: 23 Aug 2019 9:24

Tgt Ion: 43 Resp: 526541
Ion Ratio Lower Upper
43 100
70 28.1 21.1 31.7
55 18.8 15.4 23.0
61 23.2 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 55.824 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.01 min

Lab File: VD063754.D

Acq: 23 Aug 2019 9:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

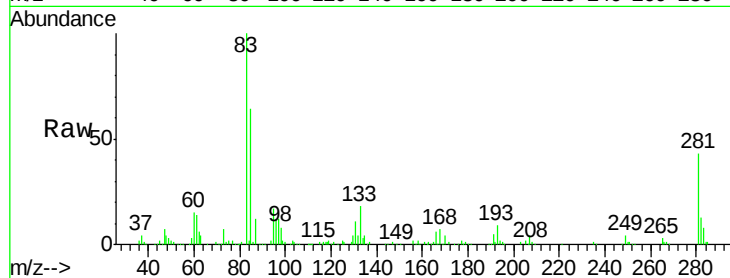
Tot Ion: 83 Resp: 373854

Ion Ratio Lower Upper

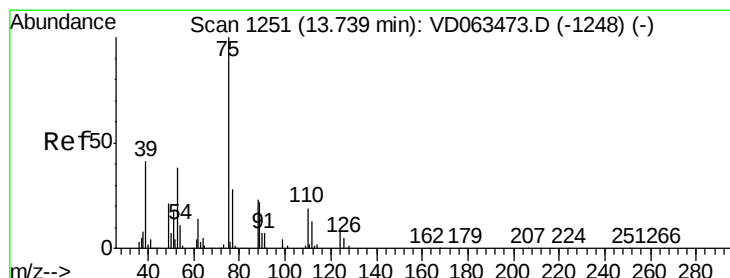
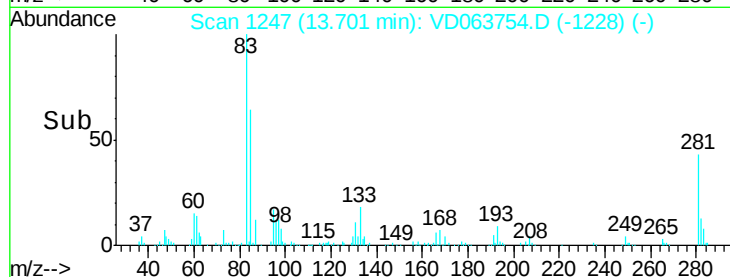
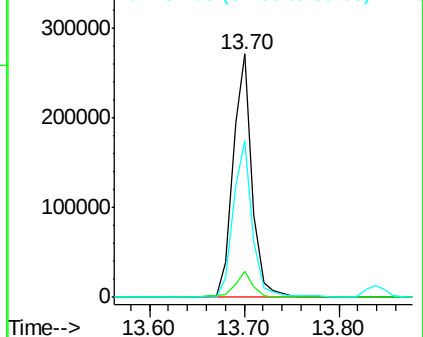
83 100

131 10.9 5.3 15.8

85 64.1 31.4 94.3



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: 50.955 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.01 min

Lab File: VD063754.D

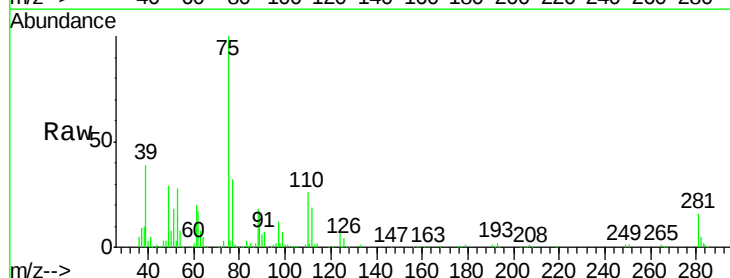
Acq: 23 Aug 2019 9:24

Tgt Ion: 75 Resp: 370957

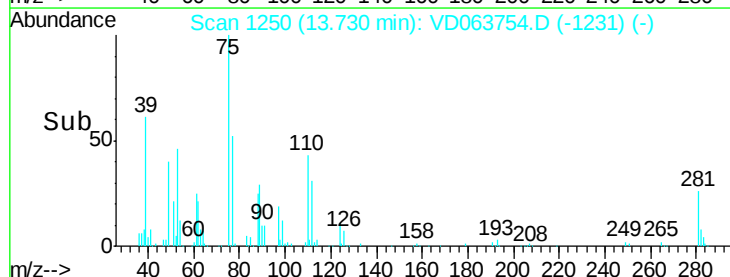
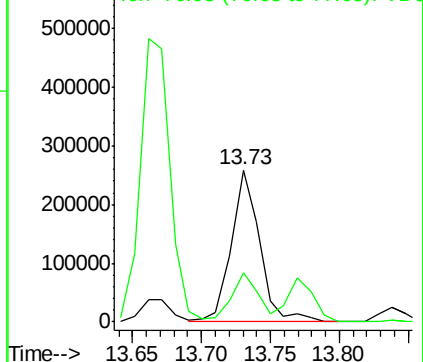
Ion Ratio Lower Upper

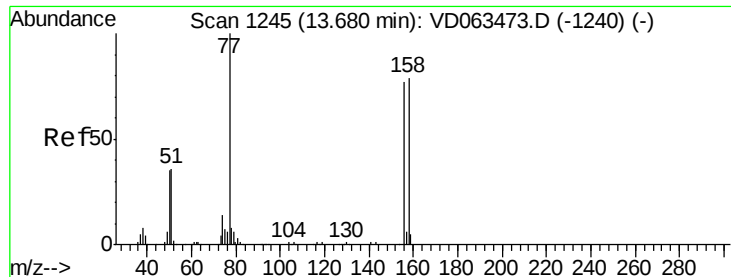
75 100

77 32.4 15.1 45.3



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 52.747 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.01 min

Lab File: VD063754.D

Acq: 23 Aug 2019 9:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

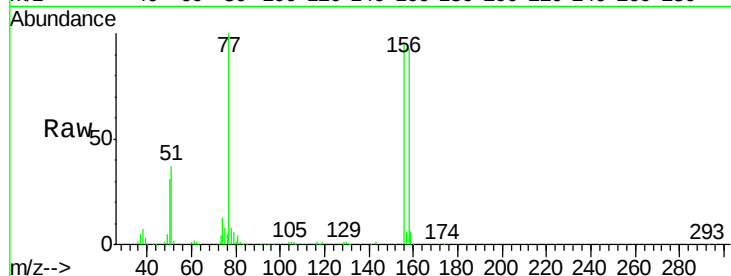
Tot Ion:156 Resp: 581649

Ion Ratio Lower Upper

156 100

77 105.8 64.6 193.8

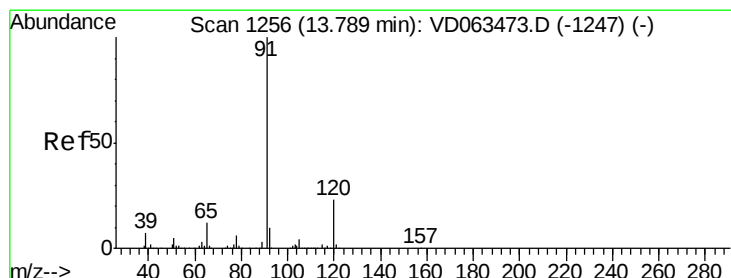
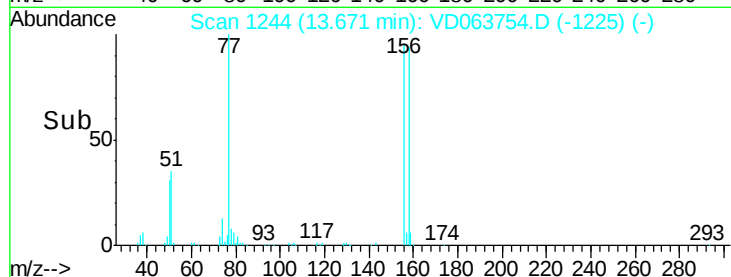
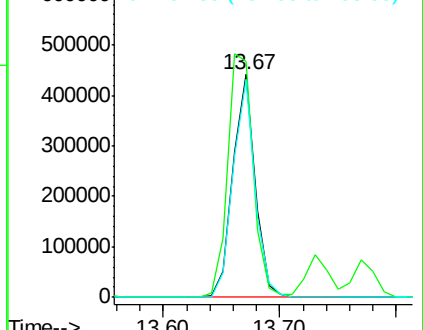
158 98.1 50.9 152.7



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 49.961 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.02 min

Lab File: VD063754.D

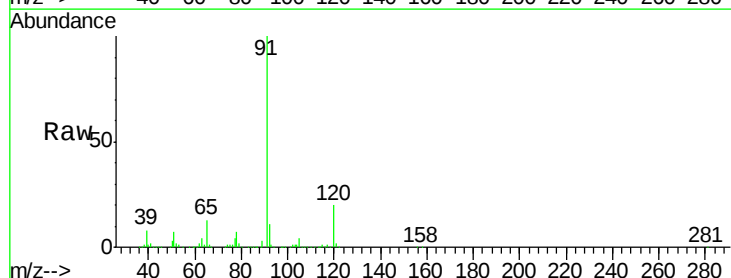
Acq: 23 Aug 2019 9:24

Tgt Ion: 91 Resp: 2358563

Ion Ratio Lower Upper

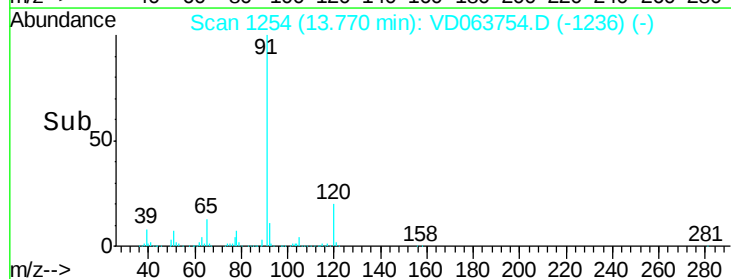
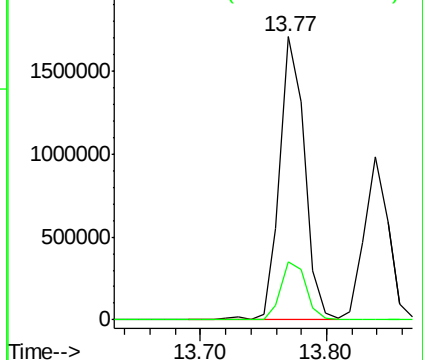
91 100

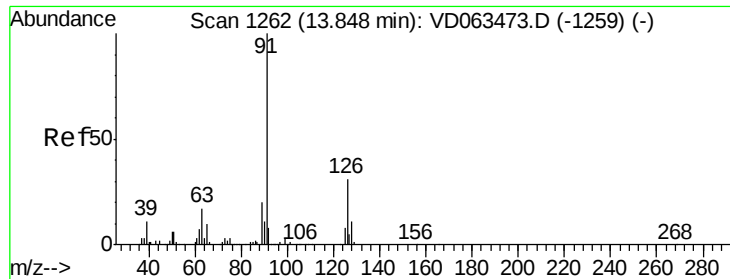
120 20.4 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 47.651 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. -0.01 min

Lab File: VD063754.D

Acq: 23 Aug 2019 9:24

Instrument :

MSVOA_D

ClientSampleId :

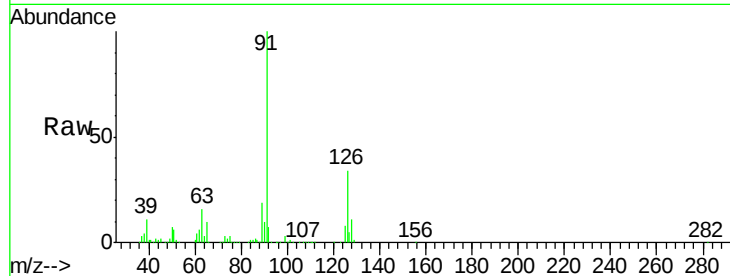
VSTDCCC050

Tot Ion: 91 Resp: 1297035

Ion Ratio Lower Upper

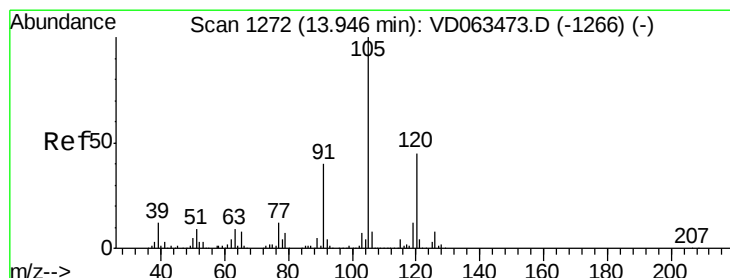
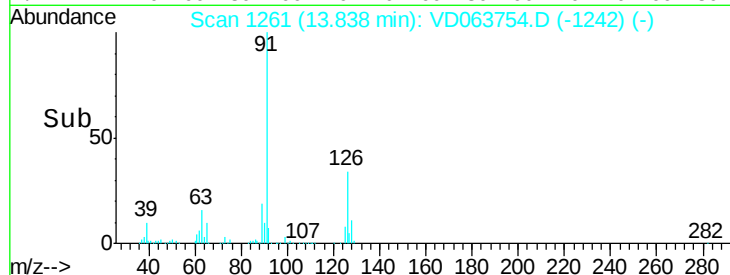
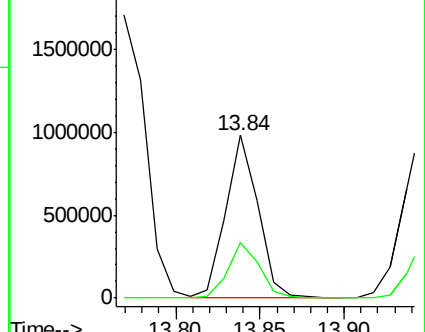
91 100

126 34.4 15.6 46.7



Abundance Ion 91.00 (90.70 to 91.70): VD063754.D (-1242) (-)

Ion 125.95 (125.65 to 126.65): VD063754.D (-1242) (-)



#80

1,3,5-Trimethylbenzene

Concen: 43.791 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. -0.02 min

Lab File: VD063754.D

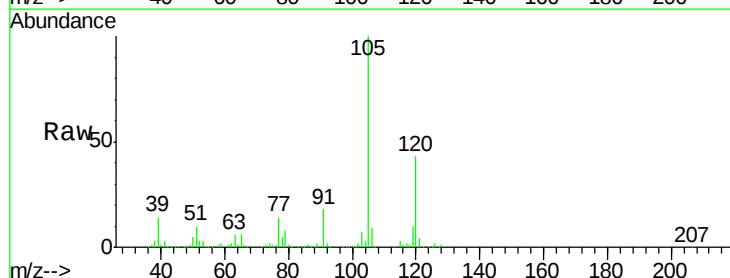
Acq: 23 Aug 2019 9:24

Tgt Ion:105 Resp: 1543768

Ion Ratio Lower Upper

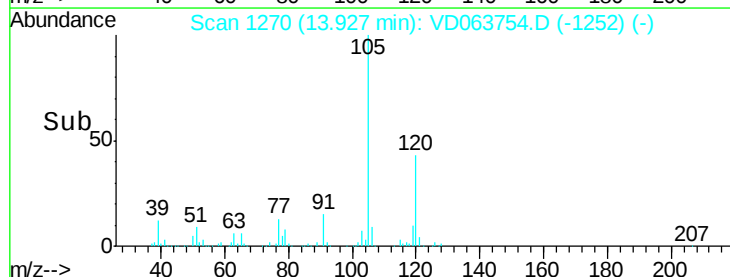
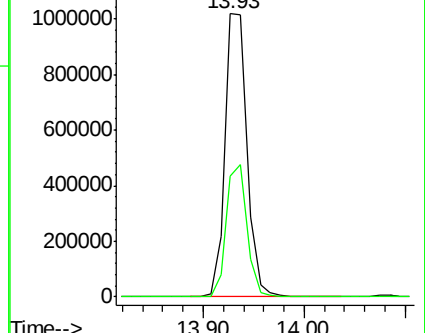
105 100

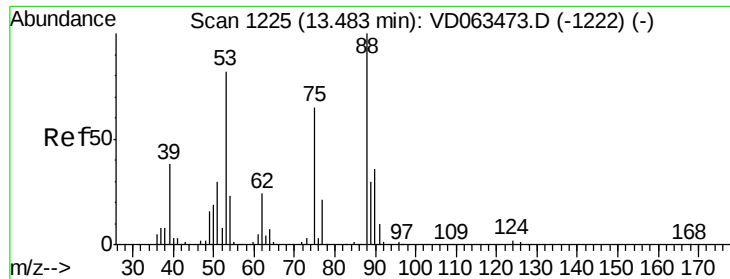
120 42.8 22.8 68.3



Abundance Ion 105.05 (104.75 to 105.75): VD063754.D (-1252) (-)

Ion 120.05 (119.75 to 120.75): VD063754.D (-1252) (-)

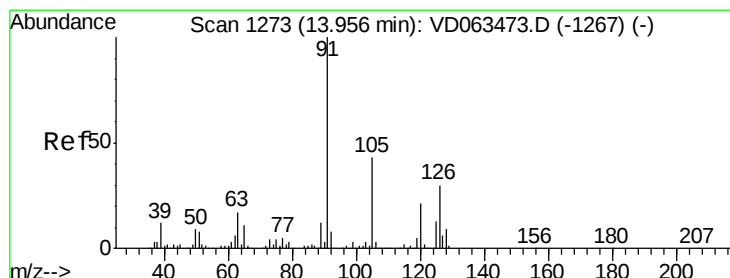
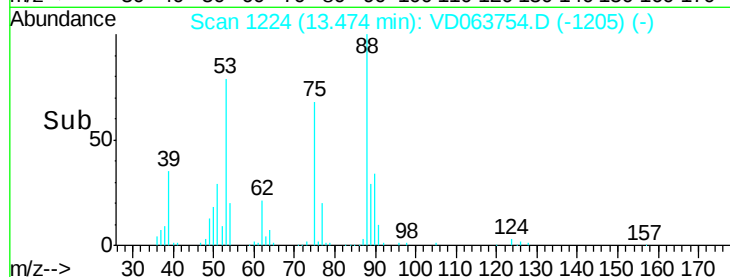
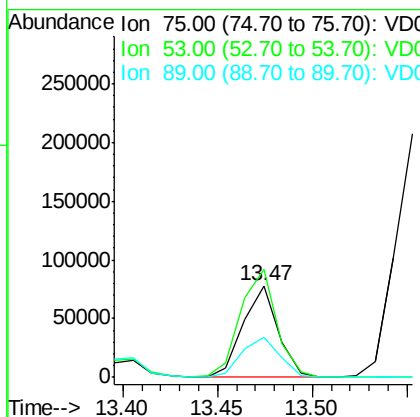
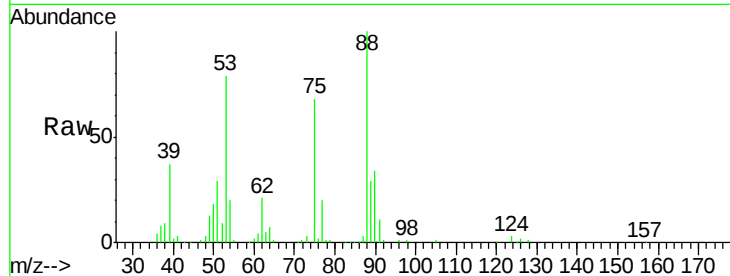




#81
trans-1,4-Dichloro-2-butene
Concen: 51.907 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. -0.01 min
Lab File: VD063754.D
Acq: 23 Aug 2019 9:24

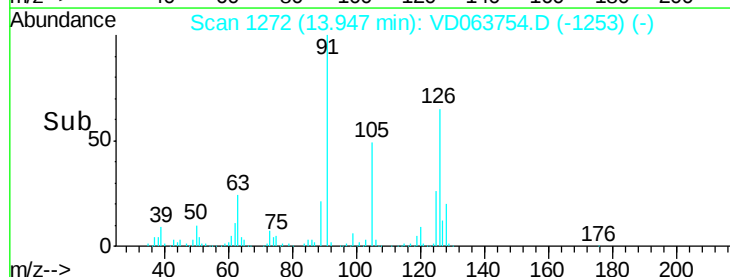
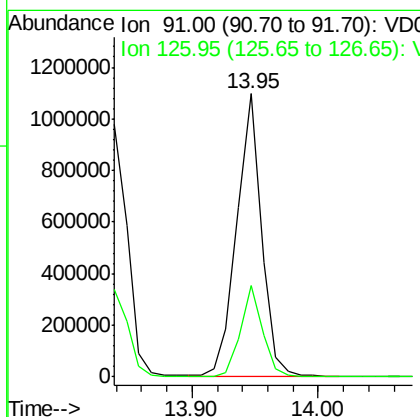
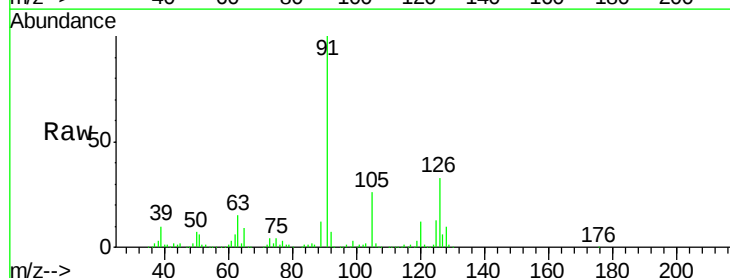
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

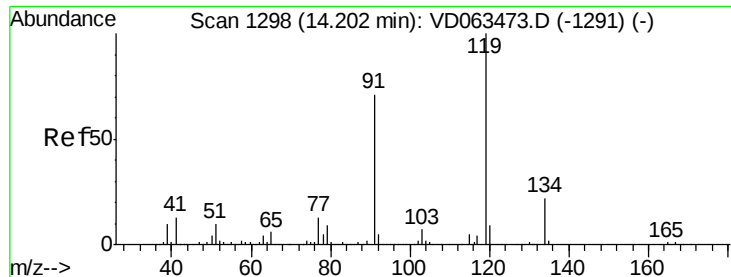
Tot Ion: 75 Resp: 101567
Ion Ratio Lower Upper
75 100
53 117.0 101.0 151.4
89 43.4 37.0 55.6



#82
4-Chlorotoluene
Concen: 45.272 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. -0.01 min
Lab File: VD063754.D
Acq: 23 Aug 2019 9:24

Tgt Ion: 91 Resp: 1481795
Ion Ratio Lower Upper
91 100
126 32.5 15.2 45.6

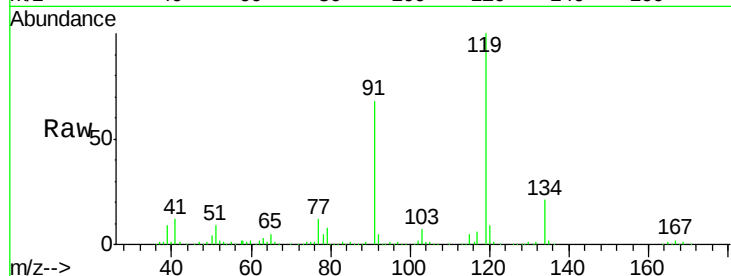




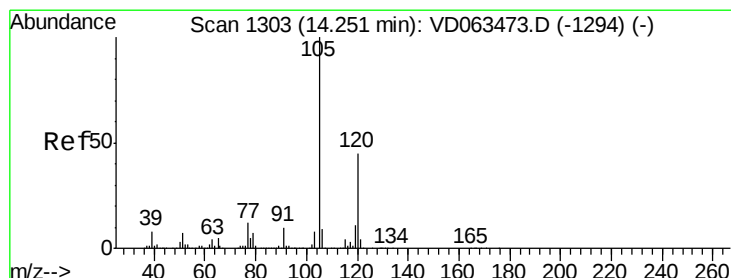
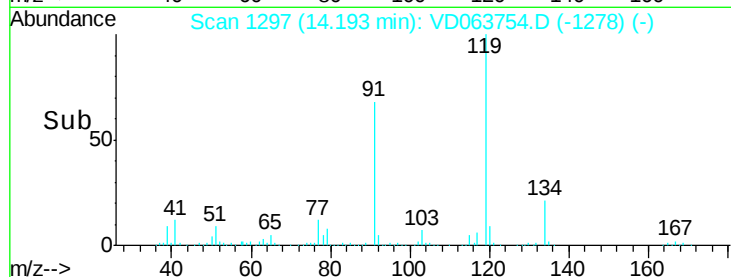
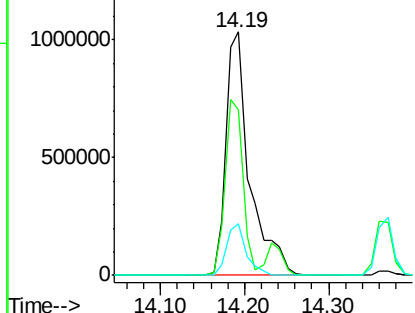
#83
 tert-Butylbenzene
 Concen: 54.388 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. -0.01 min
 Lab File: VD063754.D
 Acq: 23 Aug 2019 9:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:119 Resp: 2019055
 Ion Ratio Lower Upper
 119 100
 91 67.8 35.5 106.7
 134 21.0 11.1 33.1

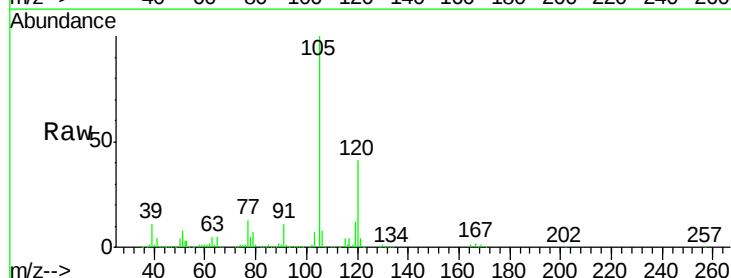


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

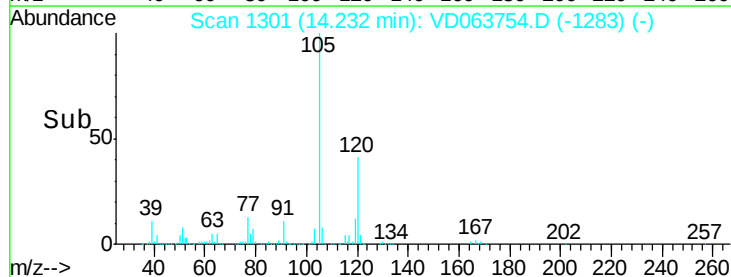
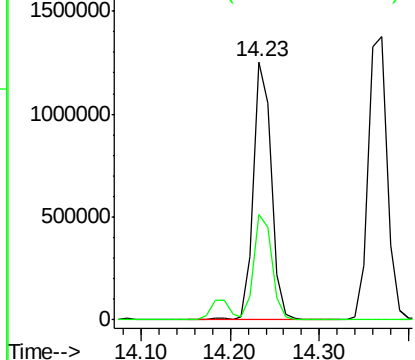


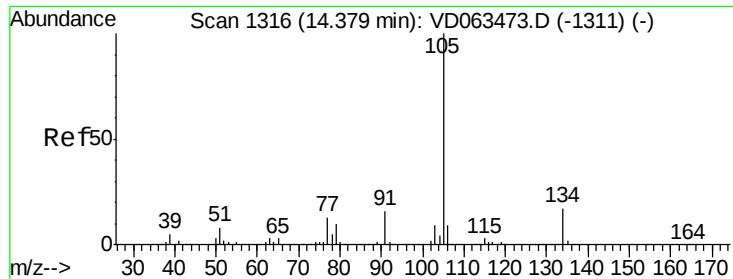
#84
 1,2,4-Trimethylbenzene
 Concen: 52.830 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. -0.02 min
 Lab File: VD063754.D
 Acq: 23 Aug 2019 9:24

Tgt Ion:105 Resp: 1723237
 Ion Ratio Lower Upper
 105 100
 120 41.1 22.7 68.1



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

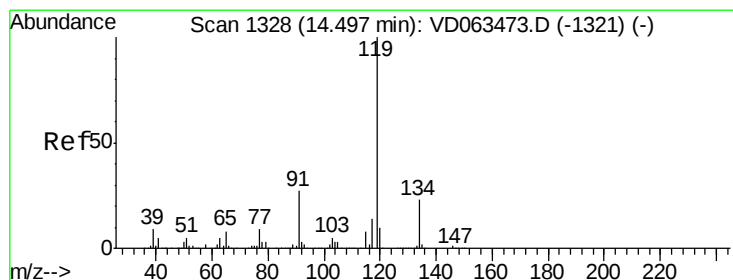
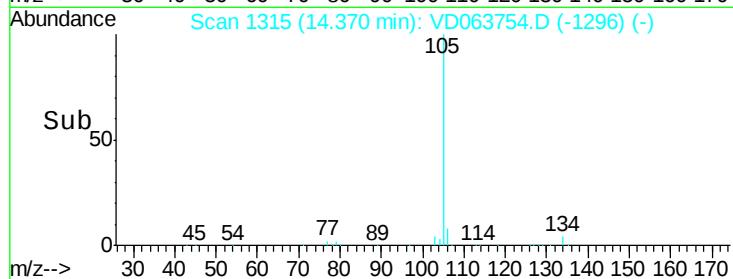
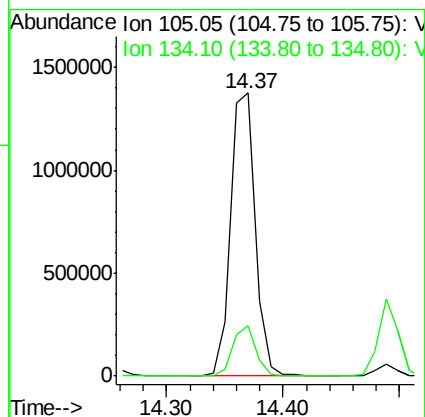
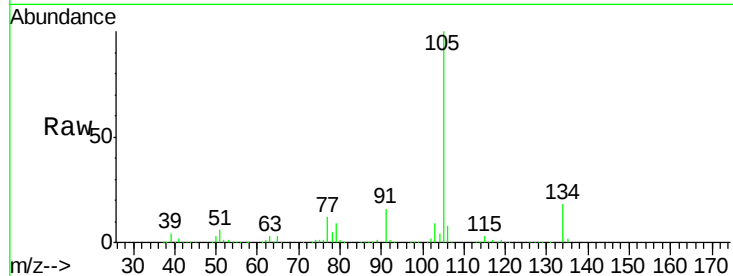




#85
 sec-Butylbenzene
 Concen: 51.000 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VD063754.D
 Acq: 23 Aug 2019 9:24

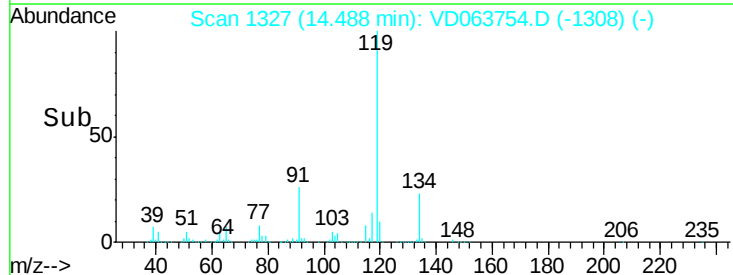
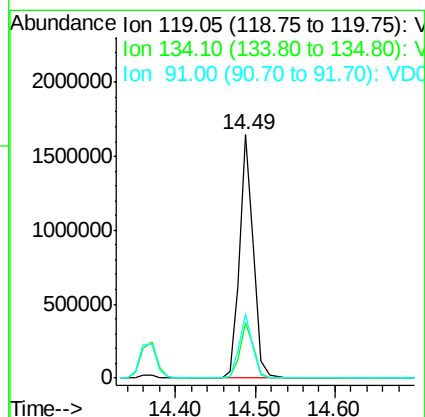
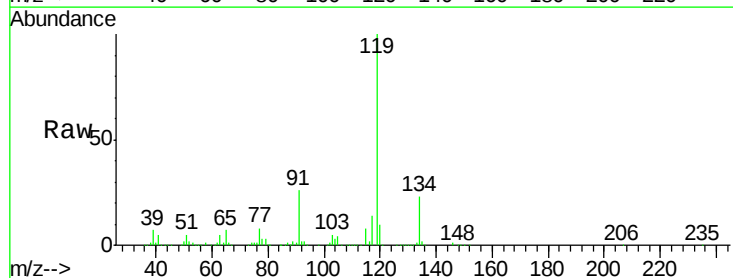
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

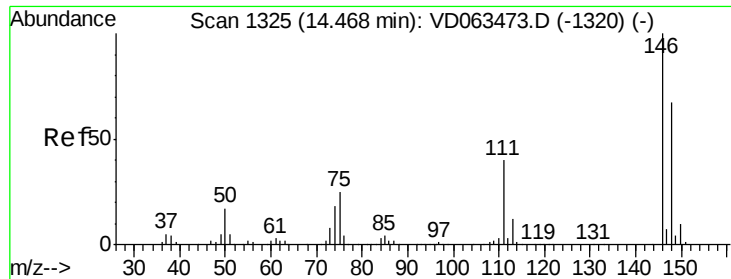
Tot Ion:105 Resp: 2010629
 Ion Ratio Lower Upper
 105 100
 134 17.8 8.3 24.8



#86
 p-Isopropyltoluene
 Concen: 52.711 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: VD063754.D
 Acq: 23 Aug 2019 9:24

Tgt Ion:119 Resp: 1986935
 Ion Ratio Lower Upper
 119 100
 134 22.8 11.3 33.8
 91 26.3 13.5 40.4

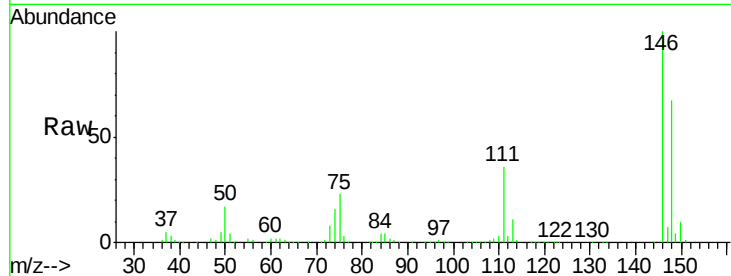




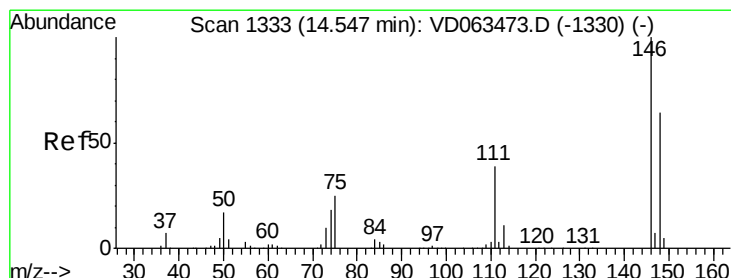
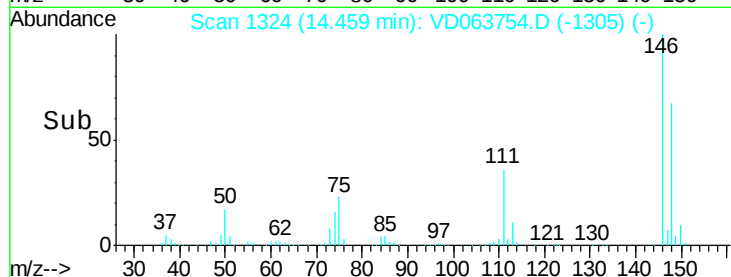
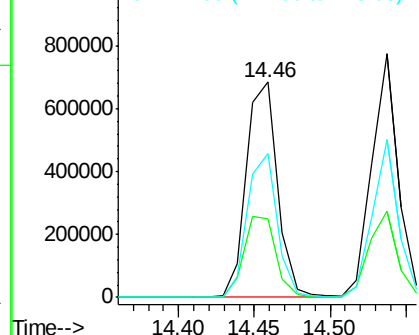
#87
 1,3-Dichlorobenzene
 Concen: 49.233 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. -0.01 min
 Lab File: VD063754.D
 Acq: 23 Aug 2019 9:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 982000
 Ion Ratio Lower Upper
 146 100
 111 36.4 20.0 60.0
 148 66.7 33.6 100.6

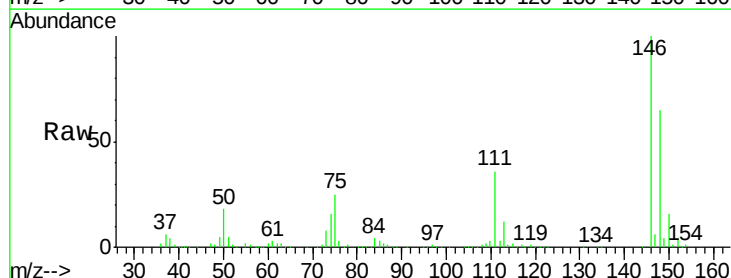


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

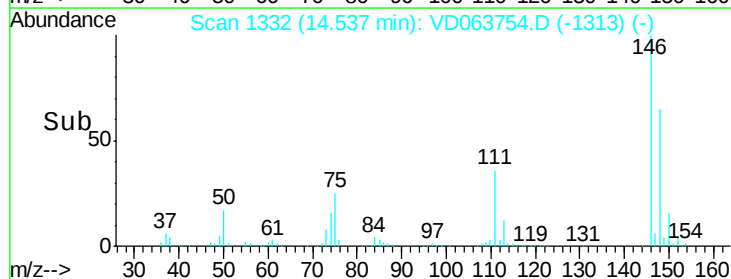
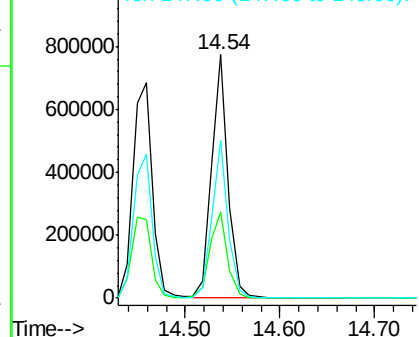


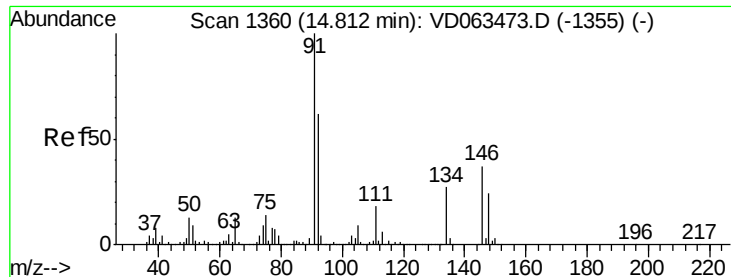
#88
 1,4-Dichlorobenzene
 Concen: 49.429 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: VD063754.D
 Acq: 23 Aug 2019 9:24

Tgt Ion:146 Resp: 945914
 Ion Ratio Lower Upper
 146 100
 111 35.7 19.7 59.0
 148 64.7 32.1 96.3



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





#89

n-Butylbenzene

Concen: 49.337 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. -0.02 min

Lab File: VD063754.D

Acq: 23 Aug 2019 9:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

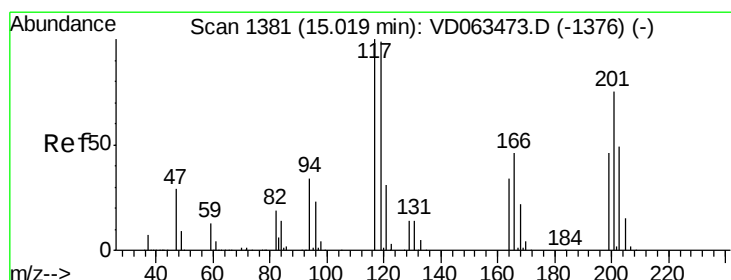
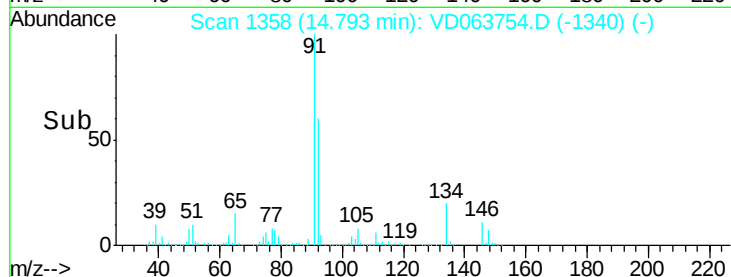
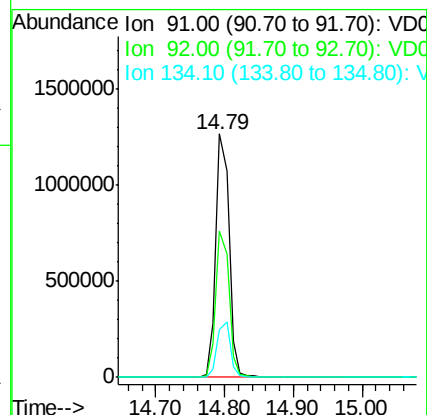
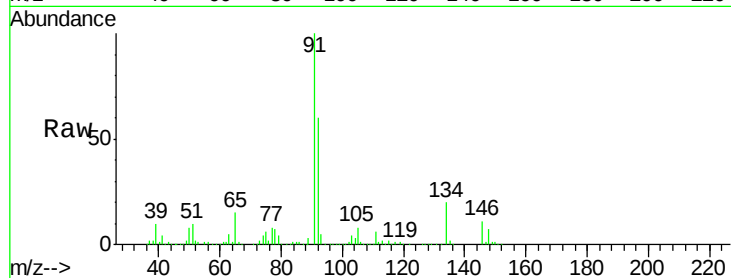
Tot Ion: 91 Resp: 1697361

Ion Ratio Lower Upper

91 100

92 60.3 30.8 92.3

134 19.8 13.4 40.2



#90

Hexachloroethane

Concen: 56.830 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. -0.01 min

Lab File: VD063754.D

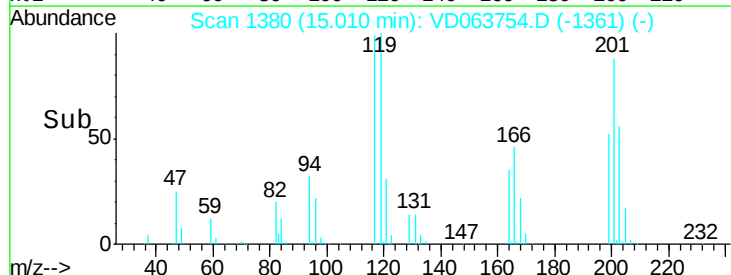
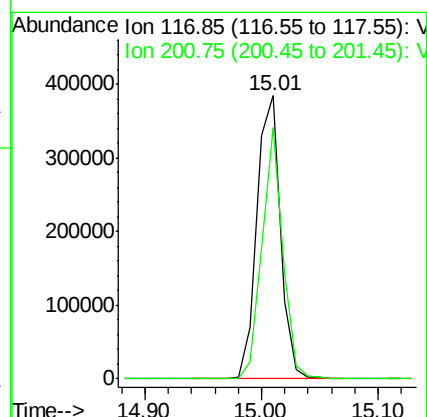
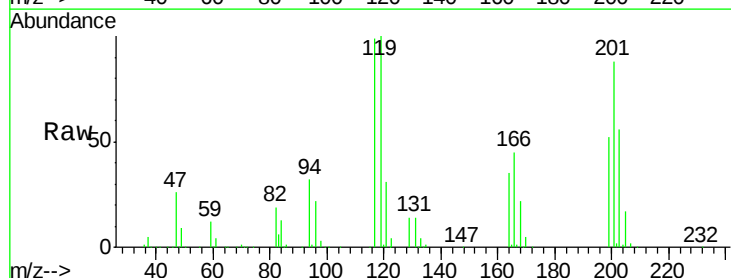
Acq: 23 Aug 2019 9:24

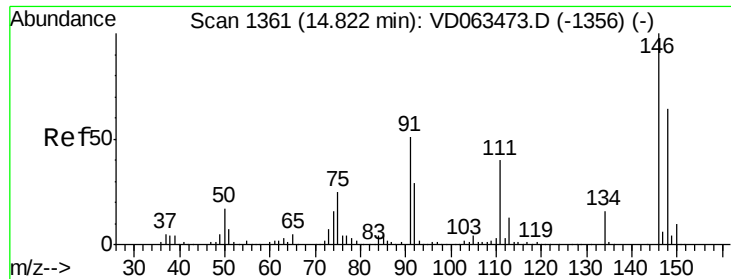
Tgt Ion: 117 Resp: 538434

Ion Ratio Lower Upper

117 100

201 88.7 37.5 112.5

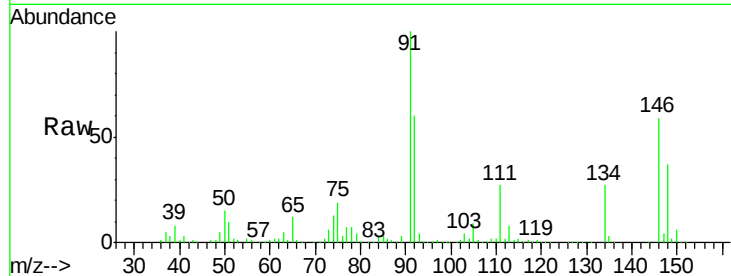




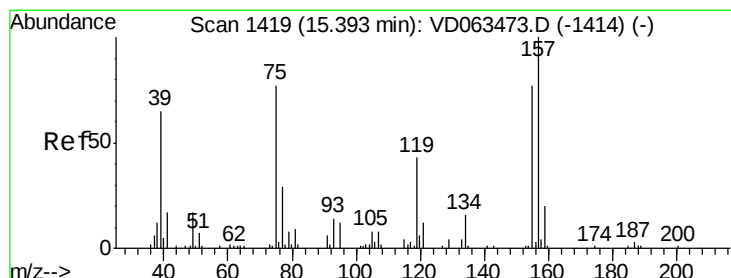
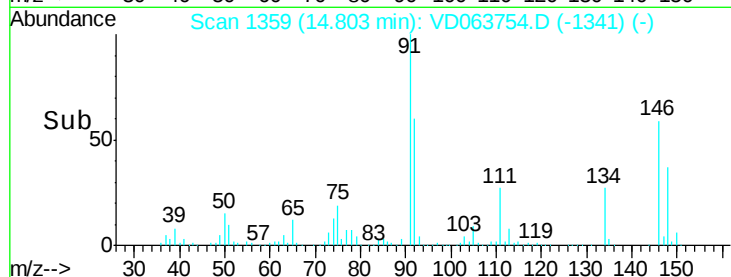
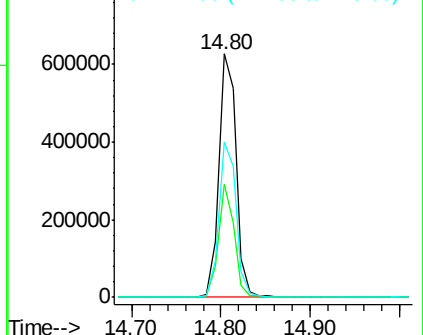
#91
 1,2-Dichlorobenzene
 Concen: 50.763 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.02 min
 Lab File: VD063754.D
 Acq: 23 Aug 2019 9:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 859054
 Ion Ratio Lower Upper
 146 100
 111 46.3 20.2 60.6
 148 63.6 32.1 96.5

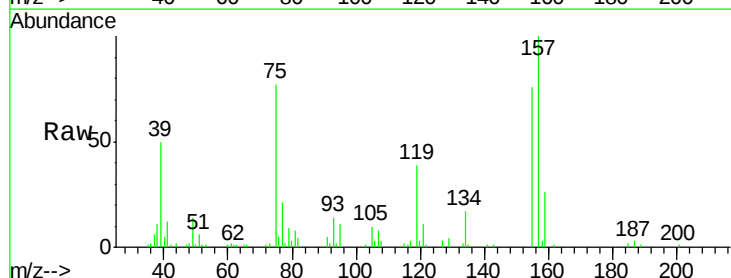


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

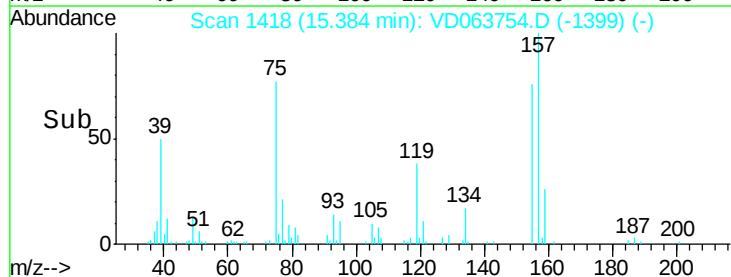
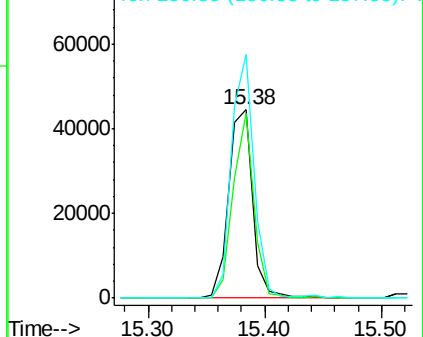


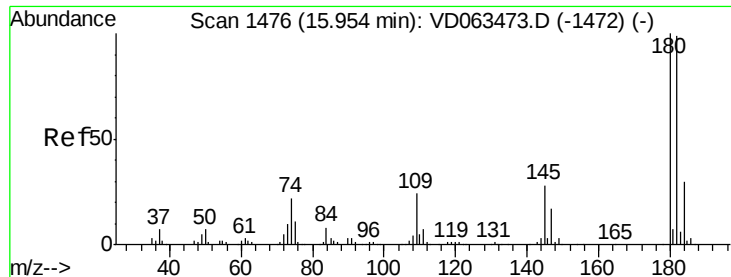
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.343 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. -0.01 min
 Lab File: VD063754.D
 Acq: 23 Aug 2019 9:24

Tgt Ion: 75 Resp: 63482
 Ion Ratio Lower Upper
 75 100
 155 98.5 50.1 150.3
 157 129.5 65.0 195.1



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

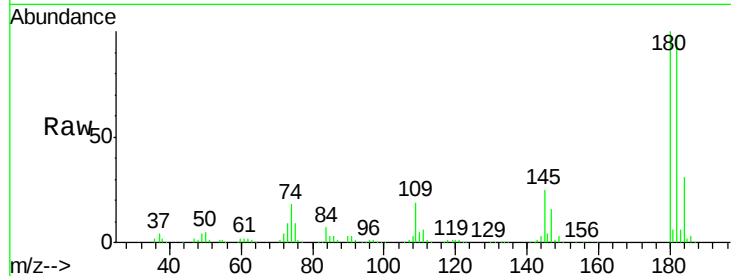




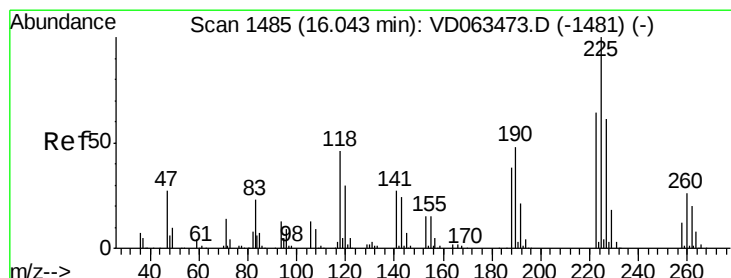
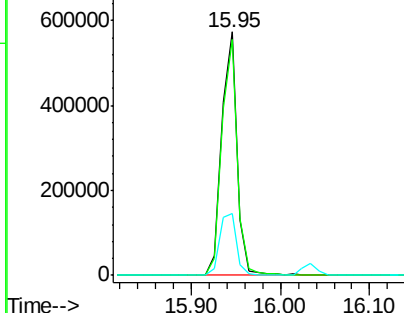
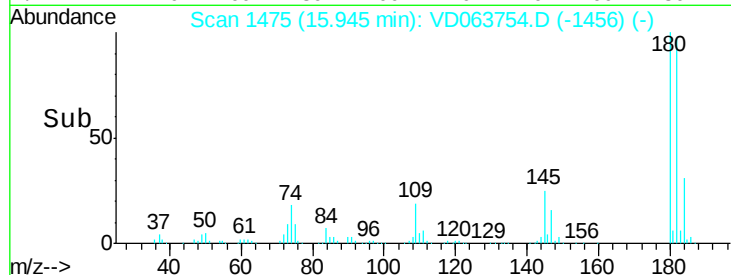
#93
 1,2,4-Trichlorobenzene
 Concen: 56.649 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. -0.01 min
 Lab File: VD063754.D
 Acq: 23 Aug 2019 9:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.0	49.7	149.1
145	25.4	14.1	42.2

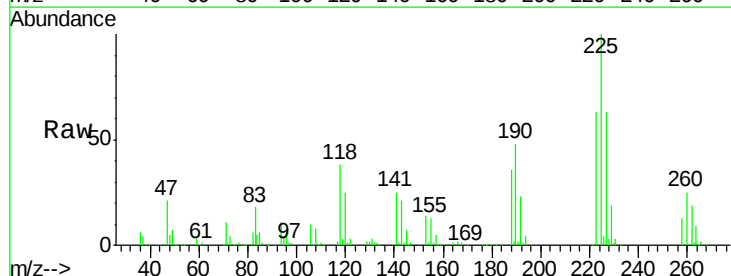


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

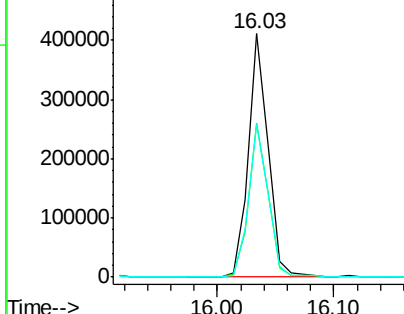
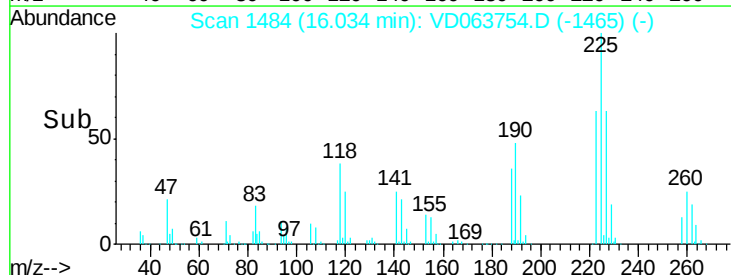


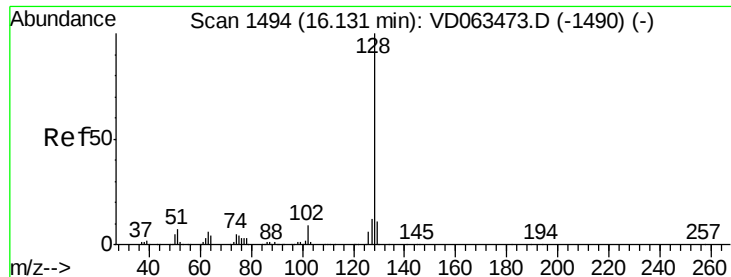
#94
 Hexachlorobutadiene
 Concen: 50.955 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.01 min
 Lab File: VD063754.D
 Acq: 23 Aug 2019 9:24

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	31.9	95.5
227	62.7	30.7	92.1



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

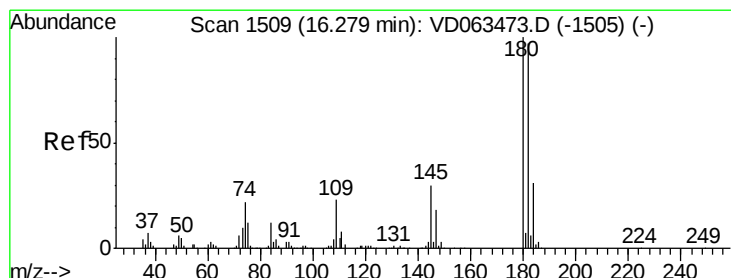
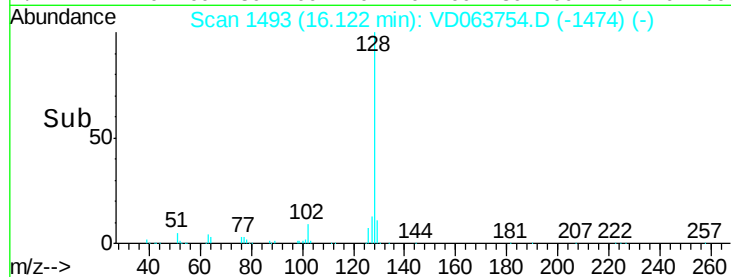
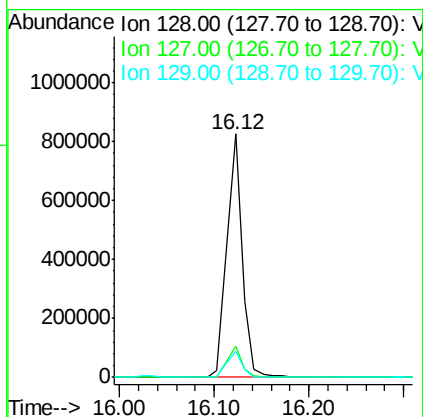
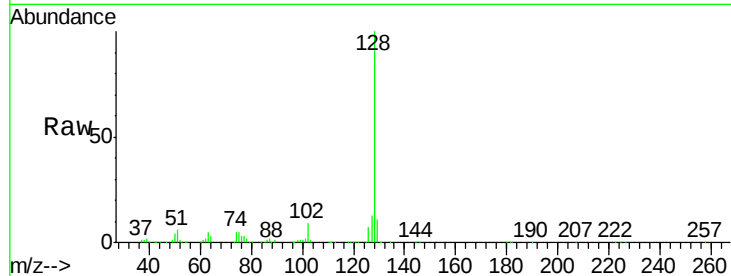




#95
Naphthalene
Concen: 49.219 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VD063754.D
Acq: 23 Aug 2019 9:24

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 928828
Ion Ratio Lower Upper
128 100
127 12.6 9.4 14.0
129 10.9 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 52.141 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.01 min
Lab File: VD063754.D
Acq: 23 Aug 2019 9:24

Tgt Ion:180 Resp: 524405
Ion Ratio Lower Upper
180 100
182 97.5 48.4 145.2
145 27.8 14.9 44.9

