

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081319\
 Data File : VD063549.D
 Acq On : 14 Aug 2019 1:41
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 14 02:35:08 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	914183	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.23	114	1308452	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.38	117	1167776	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	597604	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	533772	54.62	ug/l	0.00
Spiked Amount			Recovery	=	109.24%	
35) Dibromofluoromethane	6.93	113	577930	52.44	ug/l	0.00
Spiked Amount			Recovery	=	104.88%	
50) Toluene-d8	10.42	98	1235443	50.99	ug/l	0.00
Spiked Amount			Recovery	=	101.98%	
62) 4-Bromofluorobenzene	13.56	95	519484	47.31	ug/l	0.00
Spiked Amount			Recovery	=	94.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	535641	48.430	ug/l	94
3) Chloromethane	1.74	50	439140	50.819	ug/l	98
4) Vinyl Chloride	1.85	62	418603	48.798	ug/l	100
5) Bromomethane	2.16	94	245650	60.689	ug/l	96
6) Chloroethane	2.27	64	218253	55.637	ug/l	91
7) Trichlorofluoromethane	2.53	101	893654	53.110	ug/l	99
8) Diethyl Ether	2.88	74	118686	49.958	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	3.15	101	512242	51.556	ug/l	100
10) Methyl Iodide	3.31	142	750254	53.369	ug/l #	98
11) Tert butyl alcohol	4.09	59	127729	300.263	ug/l	95
12) 1,1-Dichloroethene	3.13	96	383489	51.914	ug/l	95
13) Acrolein	3.04	56	97246	232.247	ug/l	98
14) Allyl chloride	3.62	41	567225	51.079	ug/l	96
15) Acrylonitrile	4.21	53	311990	276.891	ug/l	98
16) Acetone	3.23	43	446597	224.823	ug/l	93
17) Carbon Disulfide	3.38	76	1172167	50.278	ug/l	99
18) Methyl Acetate	3.65	43	198748	52.822	ug/l	96
19) Methyl tert-butyl Ether	4.24	73	908582	61.502	ug/l	99
20) Methylene Chloride	3.82	84	434845	50.624	ug/l	97
21) trans-1,2-Dichloroethene	4.23	96	410490	52.807	ug/l	90
22) Diisopropyl ether	5.13	45	1261900	55.069	ug/l	97
23) Vinyl Acetate	5.07	43	3643063	273.468	ug/l	99
24) 1,1-Dichloroethane	4.99	63	789879	55.576	ug/l	97
25) 2-Butanone	6.09	43	498321	254.002	ug/l	97
26) 2,2-Dichloropropane	6.03	77	713728	50.418	ug/l	100
27) cis-1,2-Dichloroethene	6.05	96	464916	54.665	ug/l	94
28) Bromochloromethane	6.45	49	288967	50.166	ug/l	88
29) Tetrahydrofuran	6.47	42	240763	263.364	ug/l	95
30) Chloroform	6.68	83	951029	53.834	ug/l	94
31) Cyclohexane	6.96	56	419509	47.546	ug/l	97
32) 1,1,1-Trichloroethane	6.88	97	930695	55.074	ug/l	96
36) 1,1-Dichloropropene	7.16	75	611619	52.876	ug/l	98
37) Ethyl Acetate	6.19	43	258571	53.347	ug/l	99
38) Carbon Tetrachloride	7.12	117	1010363	57.957	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	496635	50.492	ug/l	98
40) Benzene	7.46	78	1359102	53.393	ug/l	99
41) Methacrylonitrile	6.46	41	334614	54.830	ug/l	97
42) 1,2-Dichloroethane	7.59	62	701073	54.774	ug/l	98
43) Isopropyl Acetate	9.25	43	354661	54.634	ug/l	90
44) Trichloroethene	8.55	130	501295	51.524	ug/l	93
45) 1,2-Dichloropropane	8.95	63	333929	56.332	ug/l	99
46) Dibromomethane	9.07	93	296883	58.646	ug/l	94
47) Bromodichloromethane	9.38	83	776434	59.794	ug/l	97
48) Methyl methacrylate	9.13	41	250287	56.852	ug/l	90
49) 1,4-Dioxane	9.10	88	42202	1071.662	ug/l #	89
51) 4-Methyl-2-Pentanone	10.31	43	1215794	273.703	ug/l	95
52) Toluene	10.52	92	929751	56.708	ug/l	99
53) t-1,3-Dichloropropene	10.92	75	629438	59.397	ug/l	96
54) cis-1,3-Dichloropropene	10.04	75	653877	54.722	ug/l	97
55) 1,1,2-Trichloroethane	11.19	97	318211	57.457	ug/l	97
56) Ethyl methacrylate	11.05	69	326067	54.243	ug/l	96
57) 1,3-Dichloropropane	11.41	76	468763	55.995	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.87	63	816218	257.196	ug/l	97
59) 2-Hexanone	11.54	43	903572	279.559	ug/l	93
60) Dibromochloromethane	11.70	129	602795	59.814	ug/l	100
61) 1,2-Dibromoethane	11.82	107	390496	58.243	ug/l	94
64) Tetrachloroethene	11.26	164	460682	51.102	ug/l	97
65) Chlorobenzene	12.41	112	1141133	52.138	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.52	131	528342	54.851	ug/l	87
67) Ethyl Benzene	12.52	91	1969317	51.748	ug/l	98
68) m/p-Xylenes	12.67	106	1396426	104.443	ug/l	98
69) o-Xylene	13.06	106	649521	50.474	ug/l	99
70) Styrene	13.08	104	1131288	49.423	ug/l	95
71) Bromoform	13.24	173	368004	55.718	ug/l	92
73) Isopropylbenzene	13.41	105	2080344	54.730	ug/l	98
74) N-amyl acetate	13.27	43	550936	57.739	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.71	83	358038	56.749	ug/l	93
76) 1,2,3-Trichloropropane	13.73	75	370236	53.982	ug/l	93
77) Bromobenzene	13.68	156	573589	55.214	ug/l	89
78) n-propylbenzene	13.77	91	2335203	52.507	ug/l	94
79) 2-Chlorotoluene	13.84	91	1445699	56.378	ug/l	98
80) 1,3,5-Trimethylbenzene	13.94	105	1805614	54.367	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.48	75	99244	53.838	ug/l	94
82) 4-Chlorotoluene	13.95	91	1657386	53.749	ug/l	97
83) tert-Butylbenzene	14.20	119	1940291	55.480	ug/l	97
84) 1,2,4-Trimethylbenzene	14.24	105	1803564	58.692	ug/l	91
85) sec-Butylbenzene	14.37	105	2005410	53.995	ug/l	98
86) p-Isopropyltoluene	14.49	119	1888396	53.177	ug/l	100
87) 1,3-Dichlorobenzene	14.46	146	1038386	55.260	ug/l	95
88) 1,4-Dichlorobenzene	14.54	146	919479	51.002	ug/l	97
89) n-Butylbenzene	14.80	91	1677846	51.768	ug/l	93
90) Hexachloroethane	15.01	117	526434	58.979	ug/l	82
91) 1,2-Dichlorobenzene	14.82	146	850368	53.339	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.39	75	64054	53.919	ug/l	95

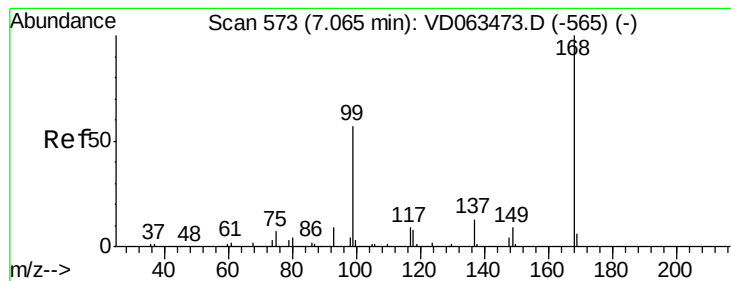
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD081319\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	645946	55.063	ug/l	97
94) Hexachlorobutadiene	16.04	225	452254	50.584	ug/l	96
95) Naphthalene	16.13	128	992070	55.802	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	512197	54.058	ug/l	97

(#) = 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. -0.01 min

Lab File: VD063549.D

Acq: 14 Aug 2019 1:41

Instrument :

MSVOA_D

ClientSampleId :

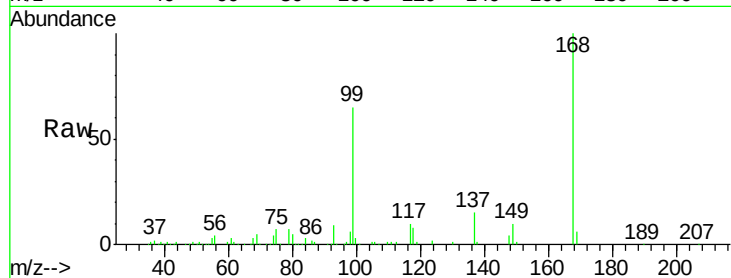
VSTDCCC050

Tot Ion:168 Resp: 914183

Ion Ratio Lower Upper

168 100

99 64.9 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

300000

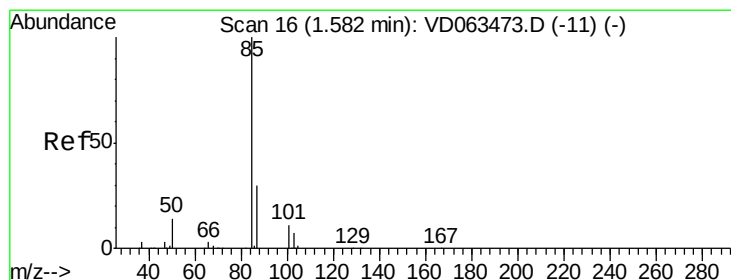
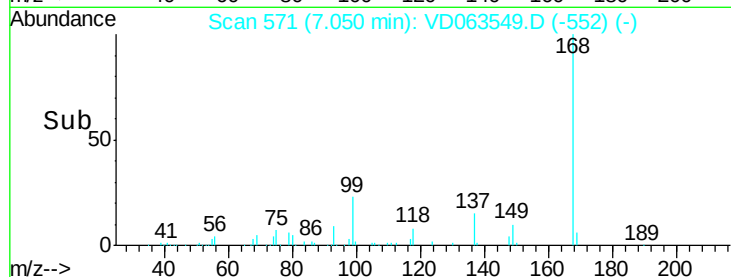
200000

100000

0

Time-->

6.90 7.00 7.10 7.20 7.30



#2

Dichlorodifluoromethane

Concen: 48.430 ug/l

RT: 1.58 min Scan# 15

Delta R.T. -0.00 min

Lab File: VD063549.D

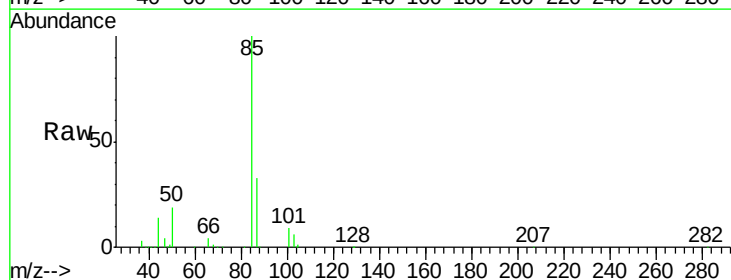
Acq: 14 Aug 2019 1:41

Tgt Ion: 85 Resp: 535641

Ion Ratio Lower Upper

85 100

87 33.1 15.0 45.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

300000

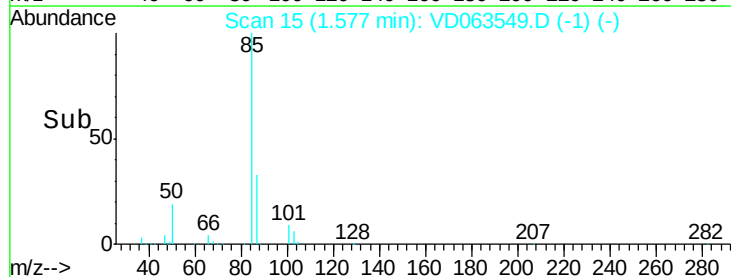
200000

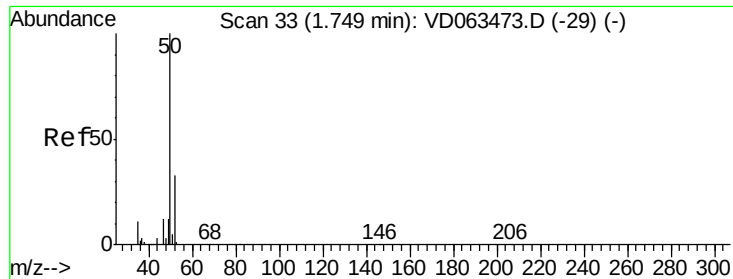
100000

0

Time-->

1.50 1.60 1.70





#3

Chloromethane

Concen: 50.819 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.00 min

Lab File: VD063549.D

Acq: 14 Aug 2019 1:41

Instrument :

MSVOA_D

ClientSampleId :

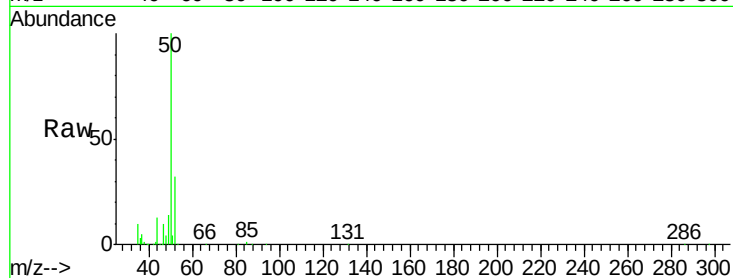
VSTDCCC050

Tot Ion: 50 Resp: 439140

Ion Ratio Lower Upper

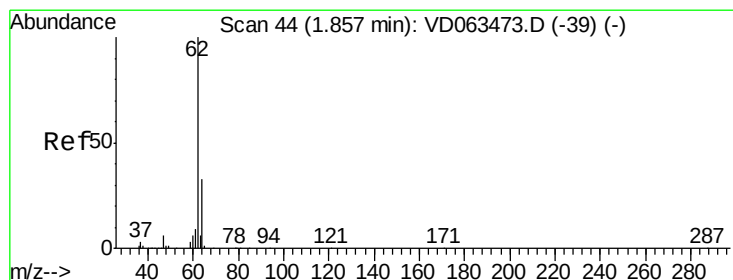
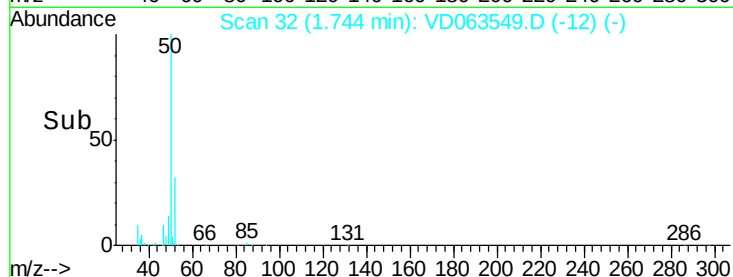
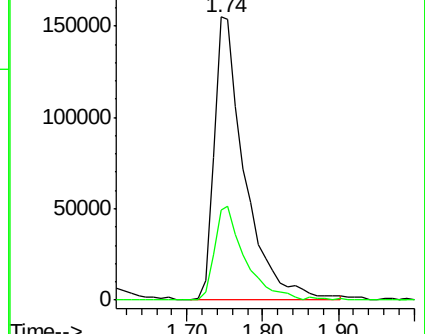
50 100

52 32.0 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 48.798 ug/l

RT: 1.85 min Scan# 43

Delta R.T. -0.00 min

Lab File: VD063549.D

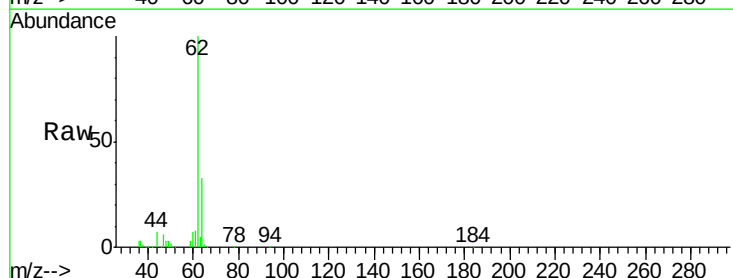
Acq: 14 Aug 2019 1:41

Tgt Ion: 62 Resp: 418603

Ion Ratio Lower Upper

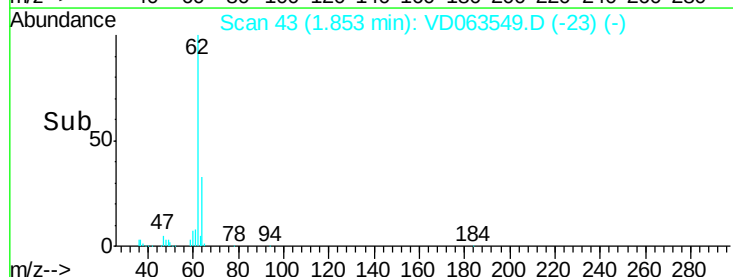
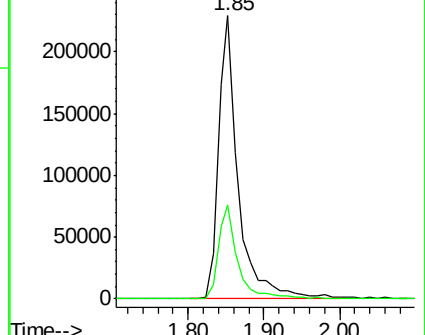
62 100

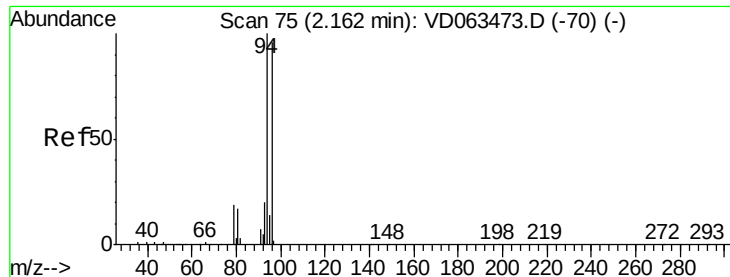
64 33.2 26.4 39.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 60.689 ug/l

RT: 2.16 min Scan# 74

Delta R.T. -0.00 min

Lab File: VD063549.D

Acq: 14 Aug 2019 1:41

Instrument :

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ClientSampleId :

VSTDCCC050

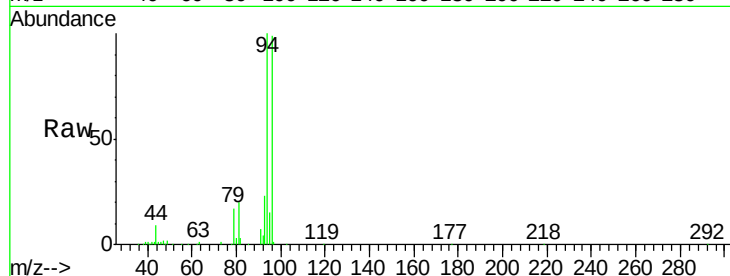
Tot Ion: 94 Resp: 245650

Ion Ratio Lower Upper

94 100

96 99.0 76.5 114.7

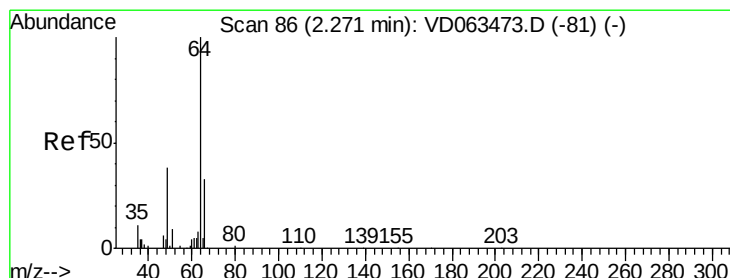
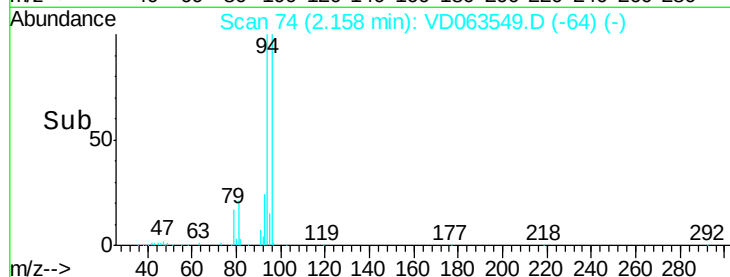
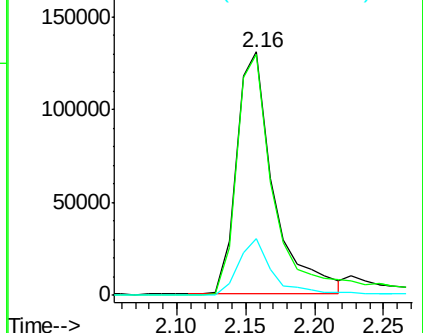
93 23.3 15.8 23.8



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: 55.637 ug/l

RT: 2.27 min Scan# 85

Delta R.T. -0.00 min

Lab File: VD063549.D

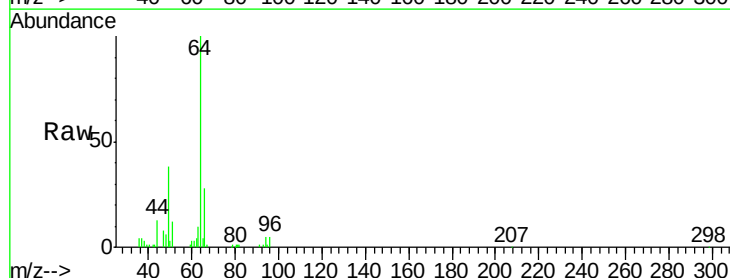
Acq: 14 Aug 2019 1:41

Tgt Ion: 64 Resp: 218253

Ion Ratio Lower Upper

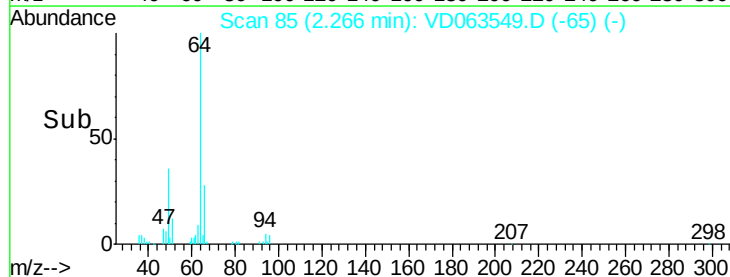
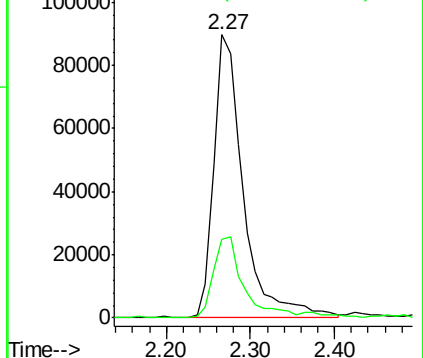
64 100

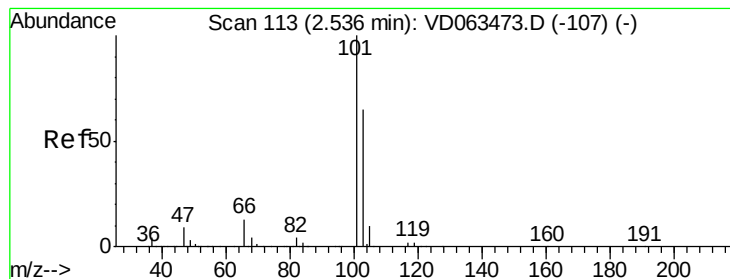
66 27.6 26.3 39.5



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



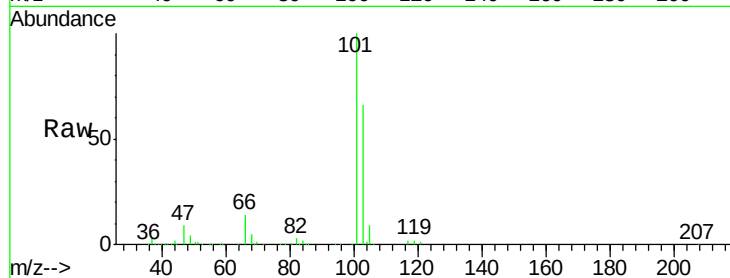


#7

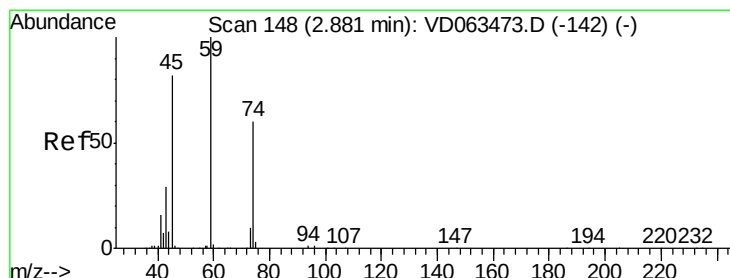
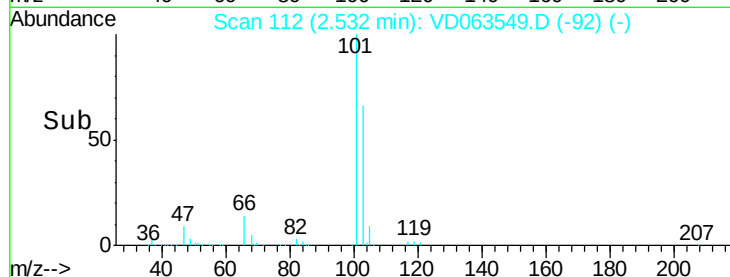
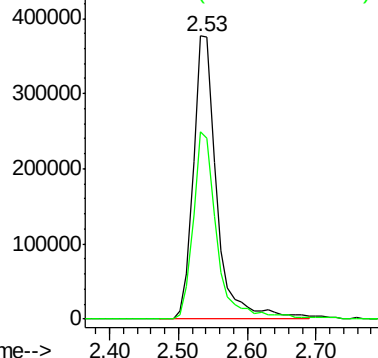
Trichlorofluoromethane
Concen: 53.110 ug/l
RT: 2.53 min Scan# 112
Delta R.T. -0.00 min
Lab File: VD063549.D
Acq: 14 Aug 2019 1:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 893654
Ion Ratio Lower Upper
101 100
103 66.2 52.2 78.4



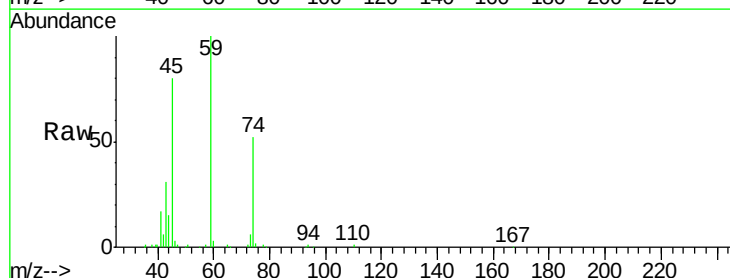
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



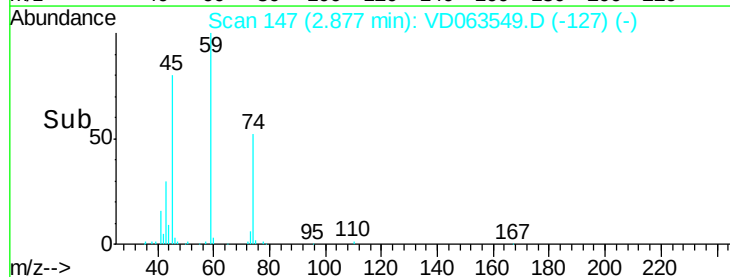
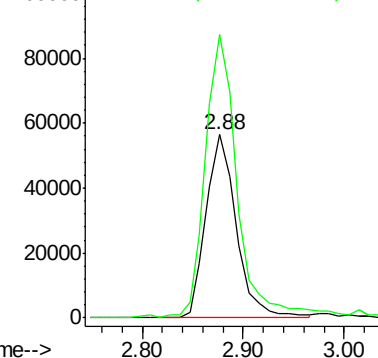
#8

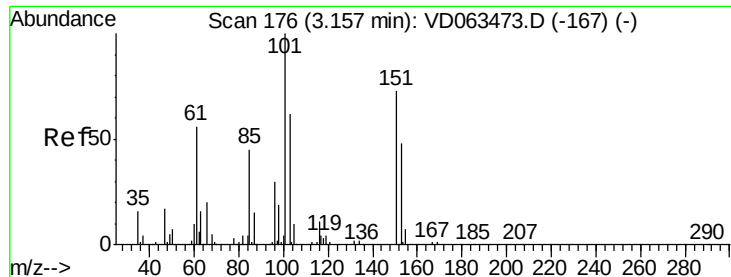
Diethyl Ether
Concen: 49.958 ug/l
RT: 2.88 min Scan# 147
Delta R.T. -0.00 min
Lab File: VD063549.D
Acq: 14 Aug 2019 1:41

Tgt Ion: 74 Resp: 118686
Ion Ratio Lower Upper
74 100
45 154.5 68.5 205.5



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.556 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.00 min

Lab File: VD063549.D

Acq: 14 Aug 2019 1:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

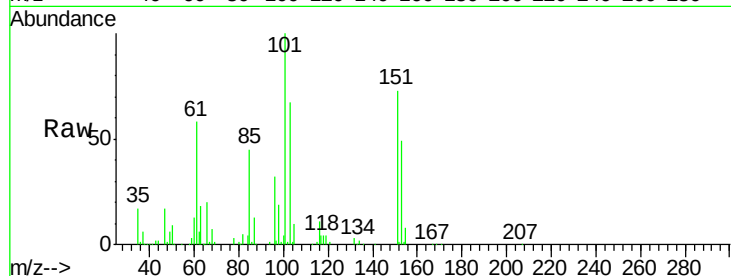
Tot Ion:101 Resp: 512242

Ion Ratio Lower Upper

101 100

85 44.7 35.8 53.6

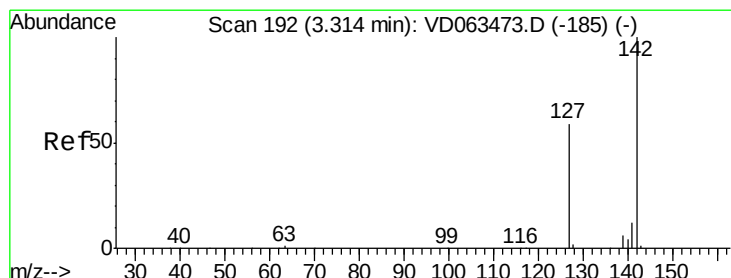
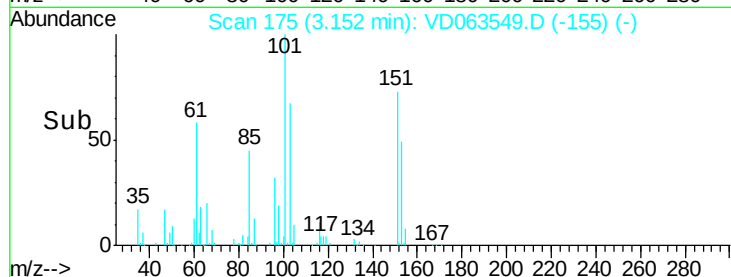
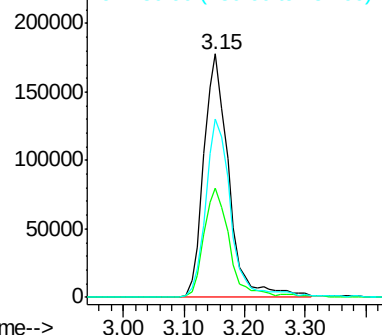
151 73.1 58.6 88.0



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: 53.369 ug/l

RT: 3.31 min Scan# 191

Delta R.T. -0.00 min

Lab File: VD063549.D

Acq: 14 Aug 2019 1:41

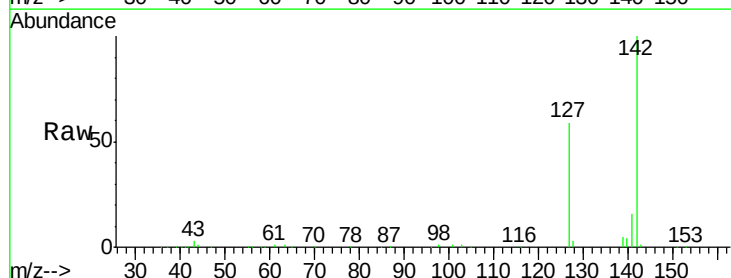
Tgt Ion:142 Resp: 750254

Ion Ratio Lower Upper

142 100

127 58.9 47.2 70.8

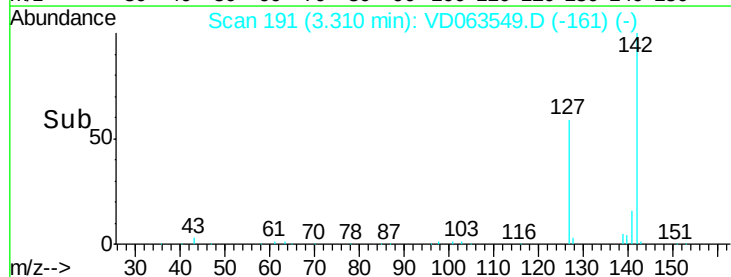
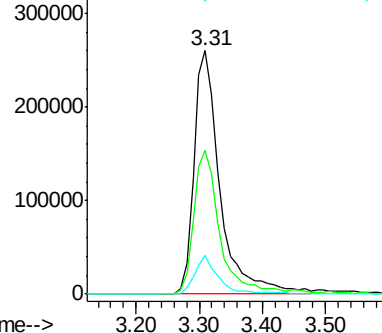
141 16.1 9.8 14.8#

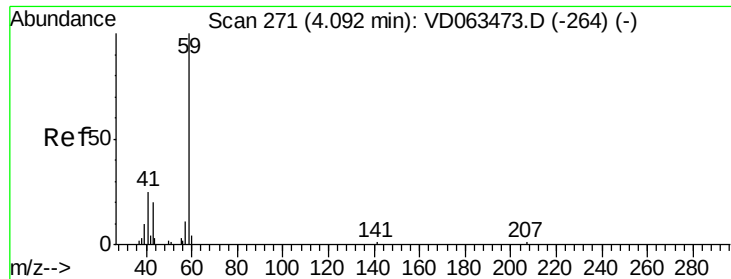


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



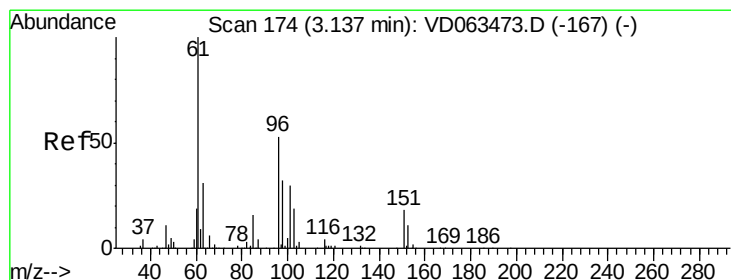
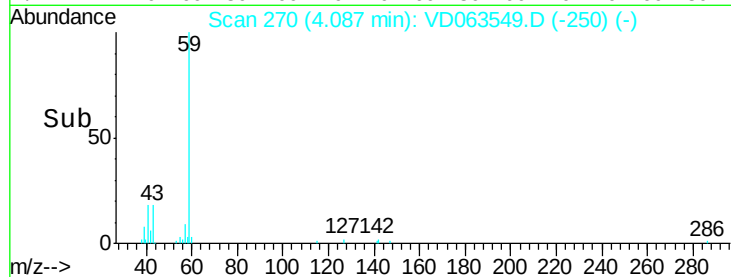
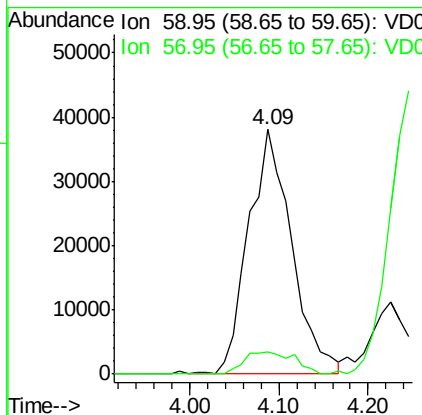
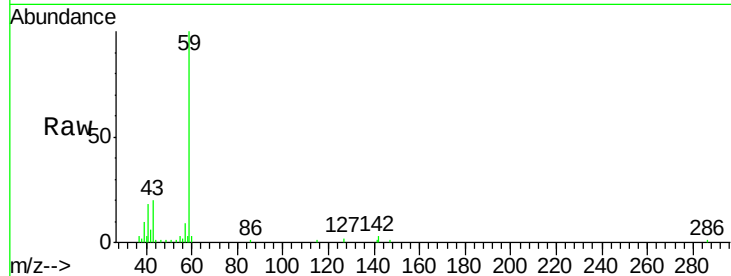


#11

Tert butyl alcohol
 Concen: 300.263 ug/l
 RT: 4.09 min Scan# 270
 Delta R.T. -0.00 min
 Lab File: VD063549.D
 Acq: 14 Aug 2019 1:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

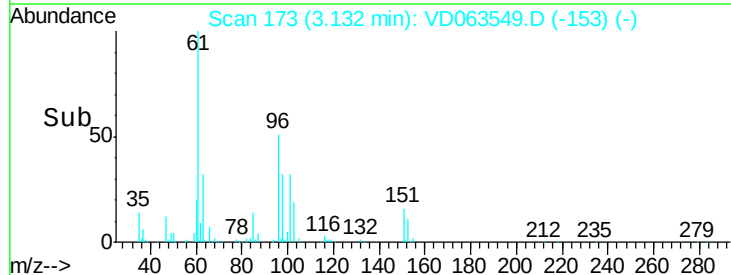
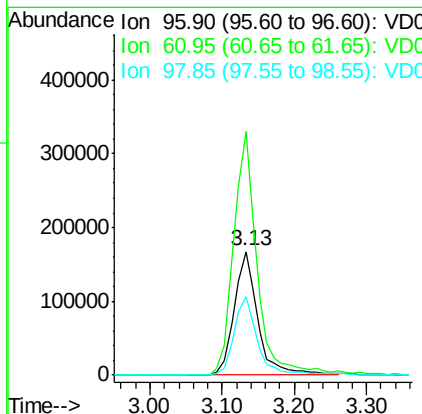
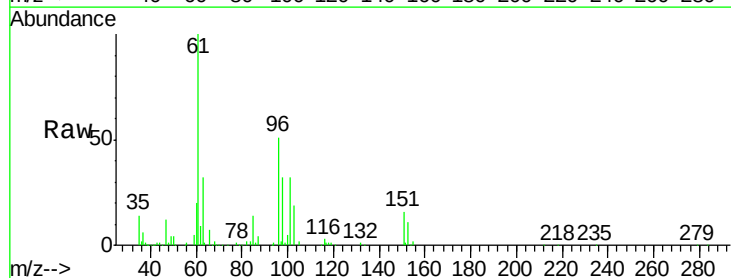
Tot Ion: 59 Resp: 127729
 Ion Ratio Lower Upper
 59 100
 57 8.9 8.7 13.1

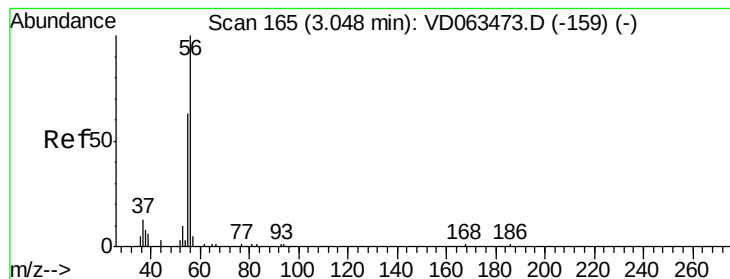


#12

1,1-Dichloroethene
 Concen: 51.914 ug/l
 RT: 3.13 min Scan# 173
 Delta R.T. -0.00 min
 Lab File: VD063549.D
 Acq: 14 Aug 2019 1:41

Tgt Ion: 96 Resp: 383489
 Ion Ratio Lower Upper
 96 100
 61 196.6 151.7 227.5
 98 63.4 48.4 72.6





#13

Acrolein

Concen: 232.247 ug/l

RT: 3.04 min Scan# 164

Delta R.T. -0.00 min

Lab File: VD063549.D

Acq: 14 Aug 2019 1:41

Instrument :

MSVOA_D

ClientSampleId :

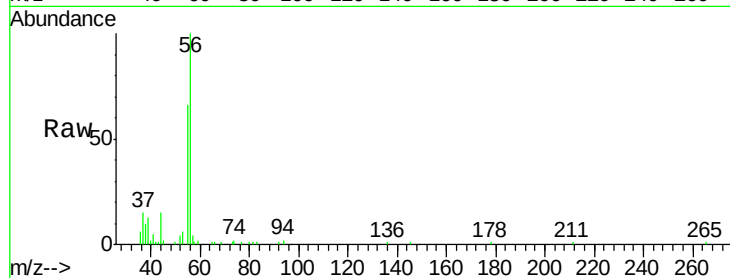
VSTDCCC050

Tot Ion: 56 Resp: 97246

Ion Ratio Lower Upper

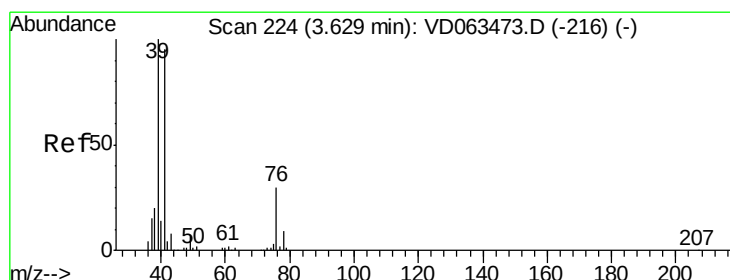
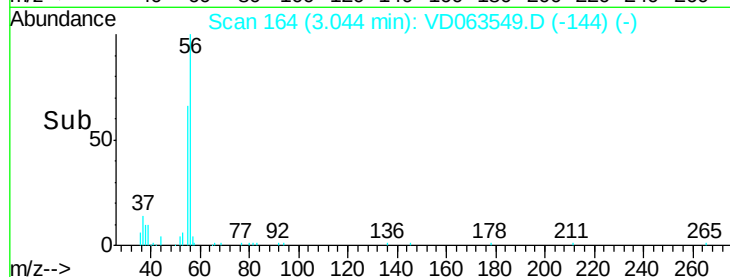
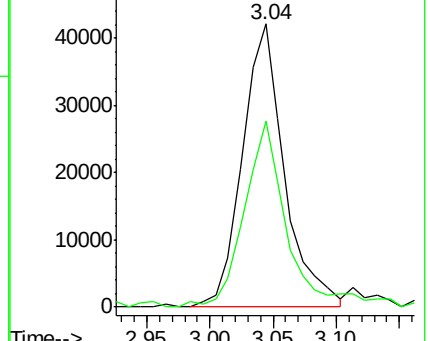
56 100

55 66.0 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: 51.079 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.00 min

Lab File: VD063549.D

Acq: 14 Aug 2019 1:41

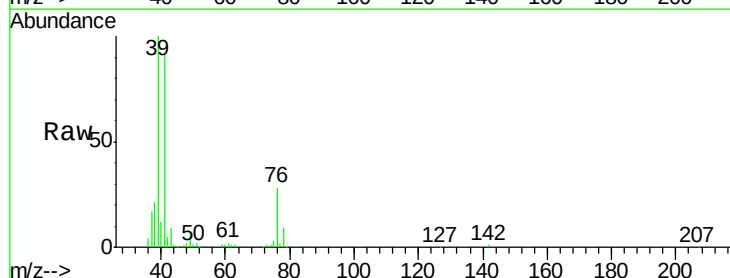
Tgt Ion: 41 Resp: 567225

Ion Ratio Lower Upper

41 100

39 109.6 84.2 126.4

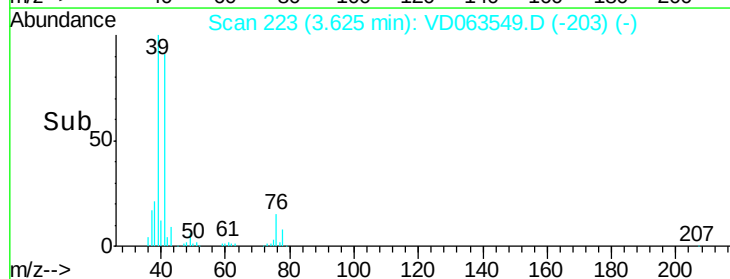
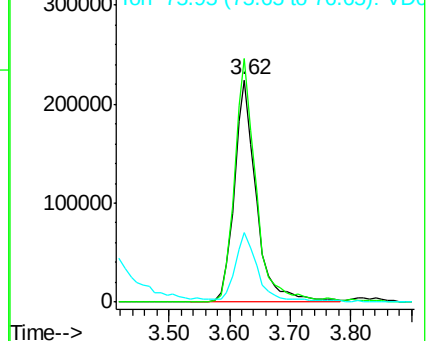
76 31.1 26.0 39.0

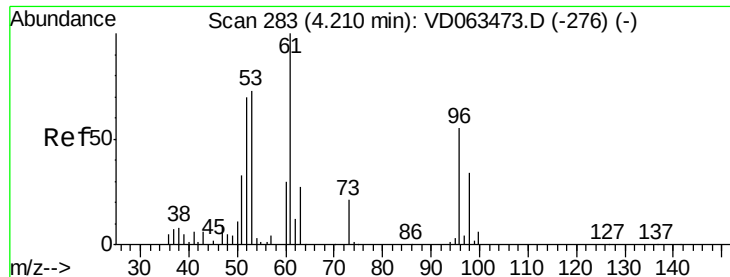


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 276.891 ug/l

RT: 4.21 min Scan# 282

Delta R.T. -0.00 min

Lab File: VD063549.D

Acq: 14 Aug 2019 1:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

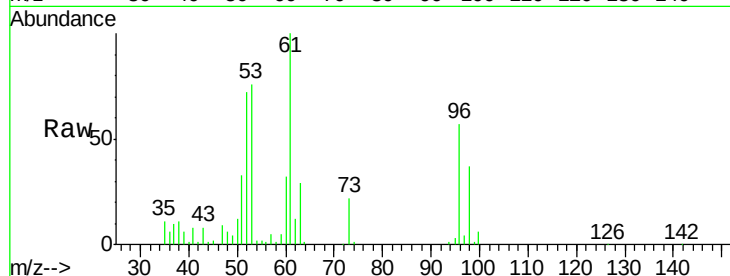
Tot Ion: 53 Resp: 311990

Ion Ratio Lower Upper

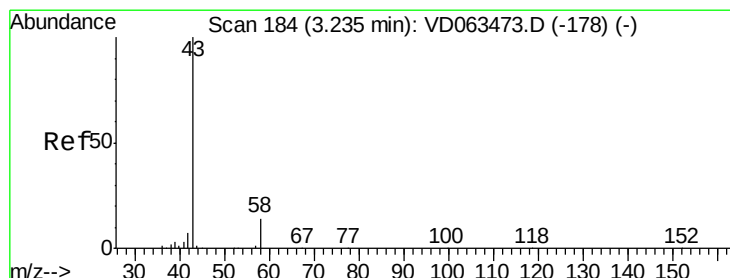
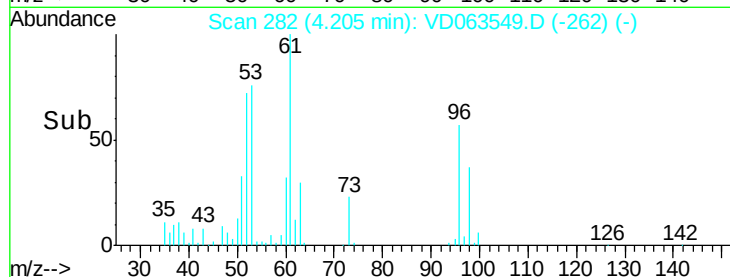
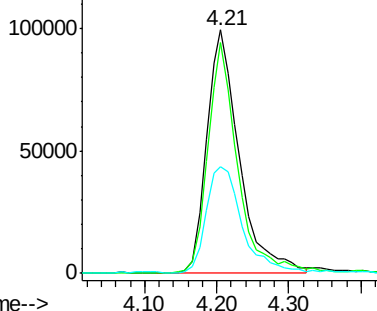
53 100

52 95.0 77.4 116.0

51 43.9 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: 224.823 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD063549.D

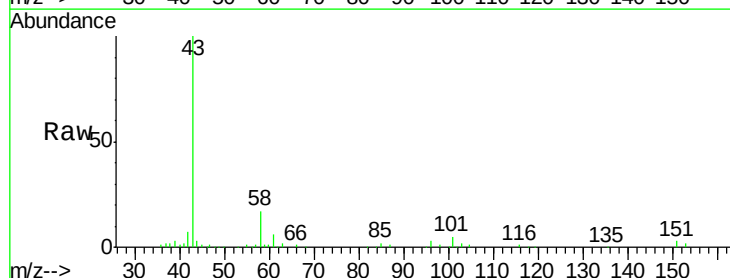
Acq: 14 Aug 2019 1:41

Tgt Ion: 43 Resp: 446597

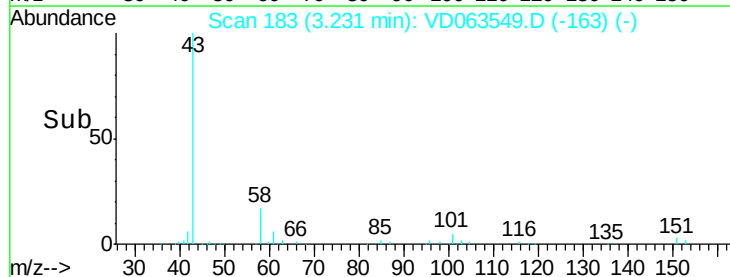
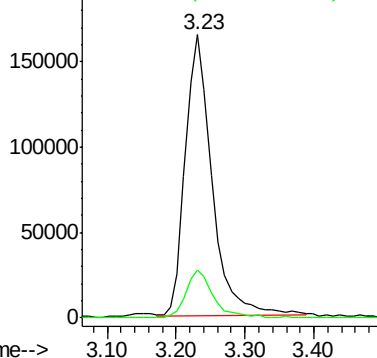
Ion Ratio Lower Upper

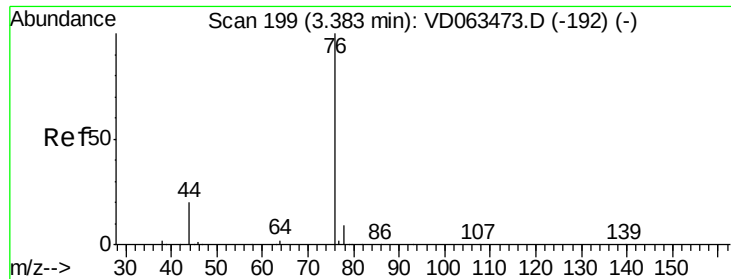
43 100

58 17.1 11.4 17.2



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

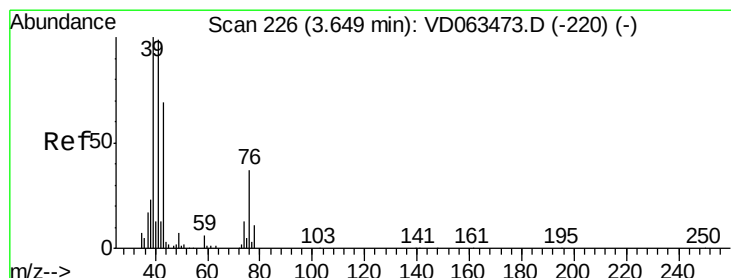
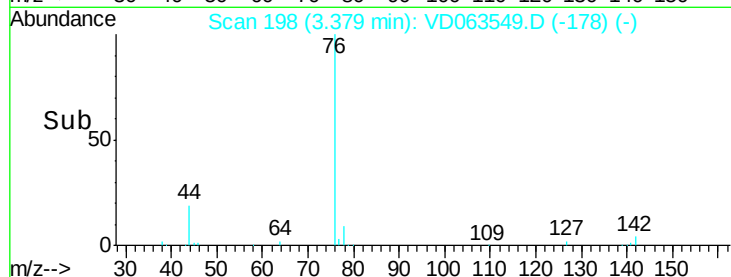
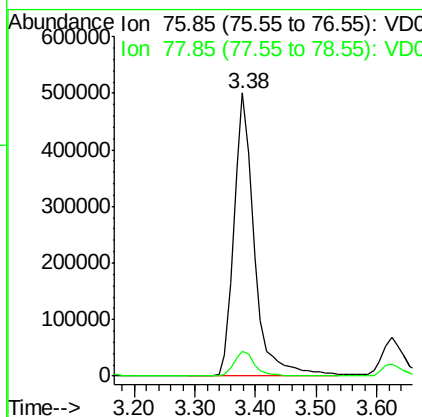
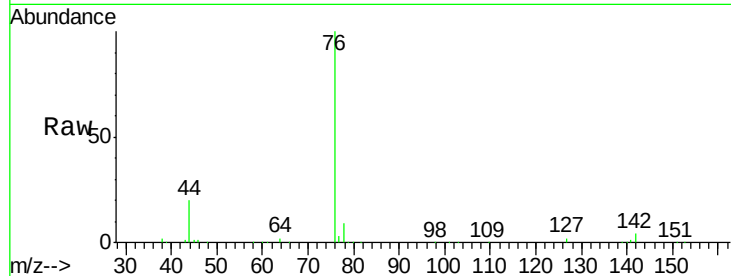




#17
Carbon Disulfide
Concen: 50.278 ug/l
RT: 3.38 min Scan# 198
Delta R.T. -0.00 min
Lab File: VD063549.D
Acq: 14 Aug 2019 1:41

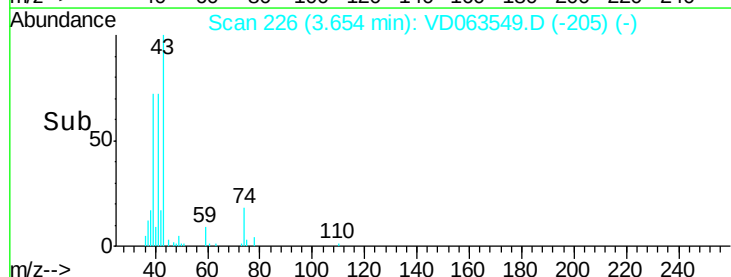
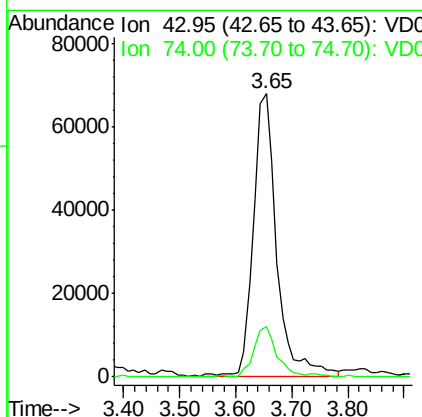
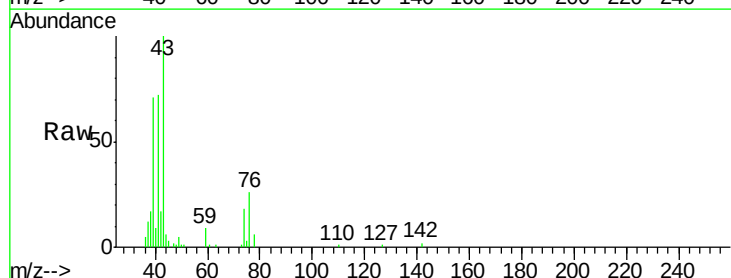
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

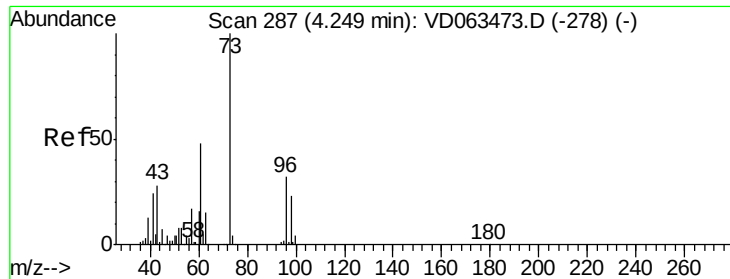
Tot Ion: 76 Resp: 1172167
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.0



#18
Methyl Acetate
Concen: 52.822 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.01 min
Lab File: VD063549.D
Acq: 14 Aug 2019 1:41

Tgt Ion: 43 Resp: 198748
Ion Ratio Lower Upper
43 100
74 17.6 15.4 23.2

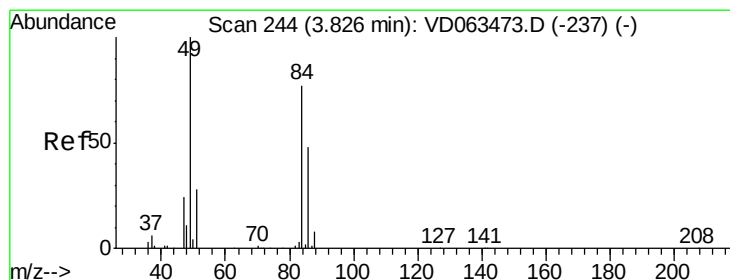
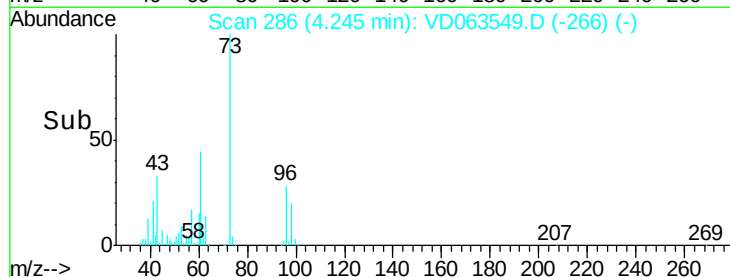
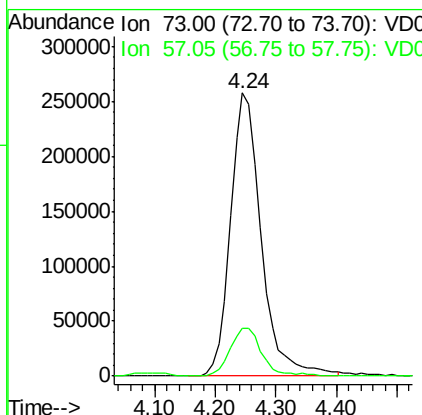
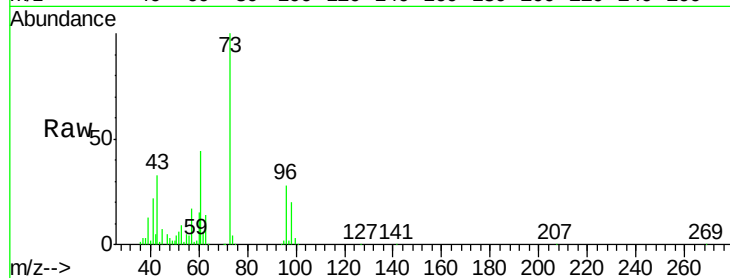




#19
Methyl tert-butyl Ether
Concen: 61.502 ug/l
RT: 4.24 min Scan# 286
Delta R.T. -0.00 min
Lab File: VD063549.D
Acq: 14 Aug 2019 1:41

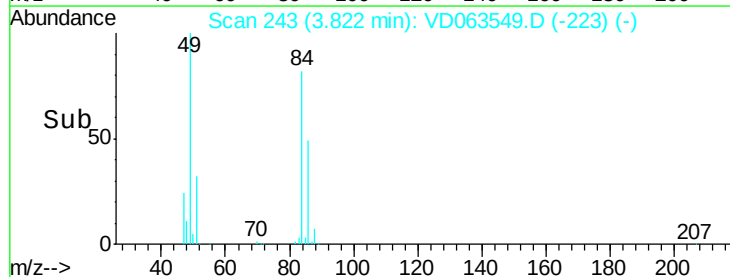
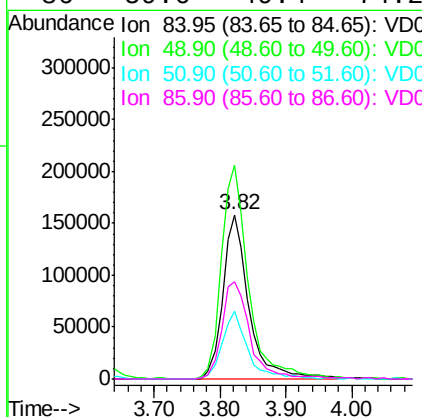
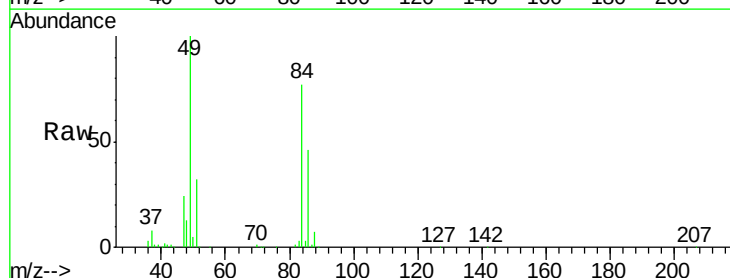
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

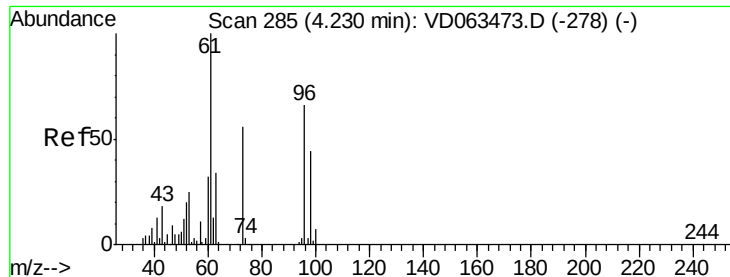
Tot Ion: 73 Resp: 908582
Ion Ratio Lower Upper
73 100
57 17.1 14.0 21.0



#20
Methylene Chloride
Concen: 50.624 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.00 min
Lab File: VD063549.D
Acq: 14 Aug 2019 1:41

Tgt Ion: 84 Resp: 434845
Ion Ratio Lower Upper
84 100
49 129.9 103.4 155.2
51 41.3 28.5 42.7
86 59.6 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 52.807 ug/l

RT: 4.23 min Scan# 284

Delta R.T. -0.00 min

Lab File: VD063549.D

Acq: 14 Aug 2019 1:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

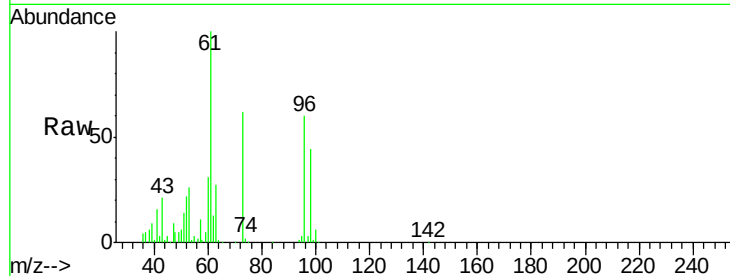
Tot Ion: 96 Resp: 410490

Ion Ratio Lower Upper

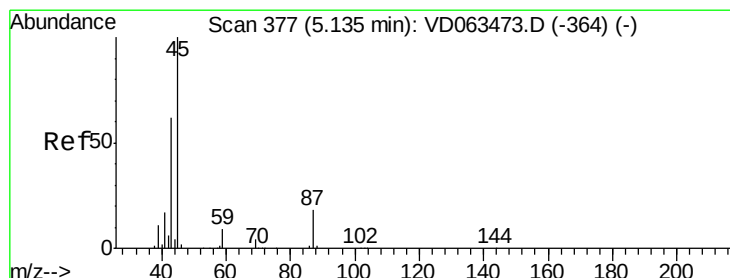
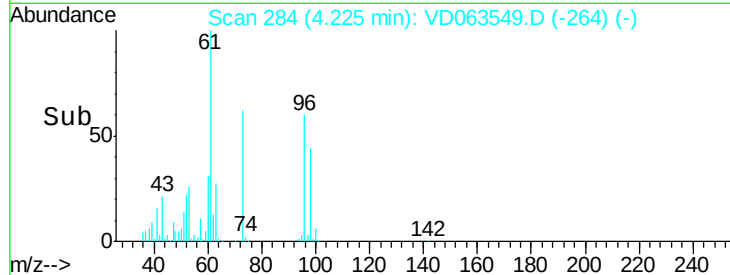
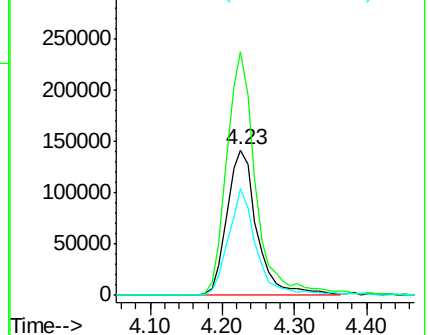
96 100

61 167.3 121.7 182.5

98 73.3 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: 55.069 ug/l

RT: 5.13 min Scan# 376

Delta R.T. -0.00 min

Lab File: VD063549.D

Acq: 14 Aug 2019 1:41

Tgt Ion: 45 Resp: 1261900

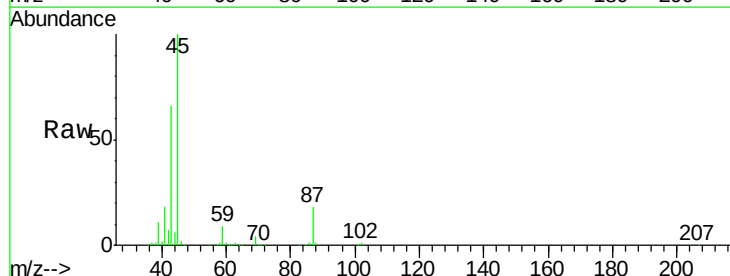
Ion Ratio Lower Upper

45 100

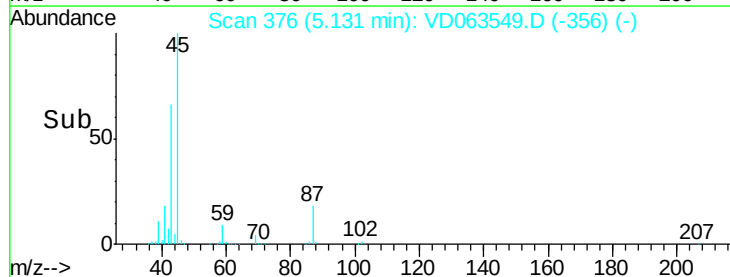
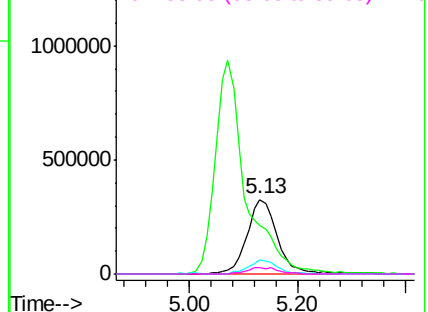
43 65.7 50.3 75.5

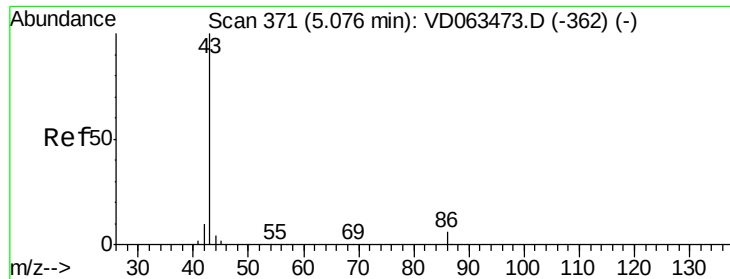
87 18.4 14.3 21.5

59 9.0 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: 273.468 ug/l

RT: 5.07 min Scan# 370

Delta R.T. -0.00 min

Lab File: VD063549.D

Acq: 14 Aug 2019 1:41

Instrument :

MSVOA_D

ClientSampleID :

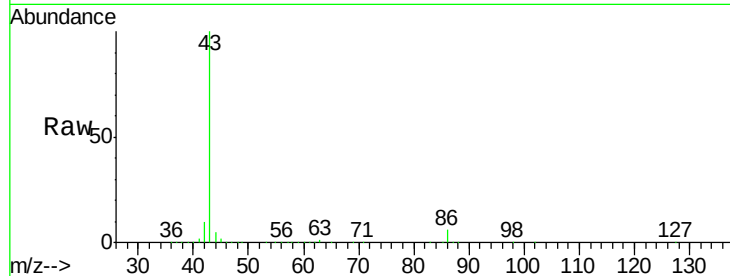
VSTDCCC050

Tot Ion: 43 Resp: 3643063

Ion Ratio Lower Upper

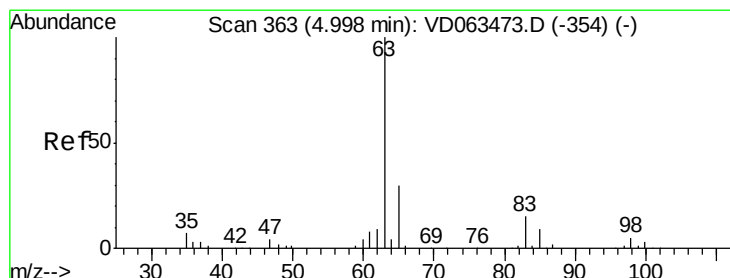
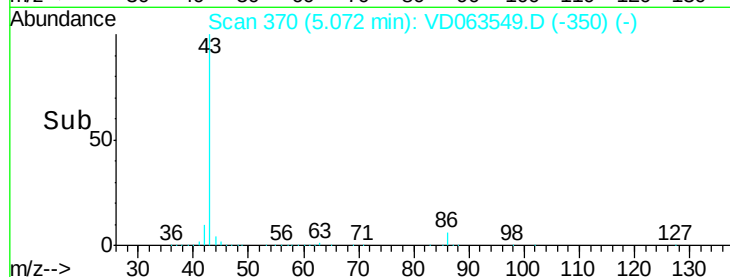
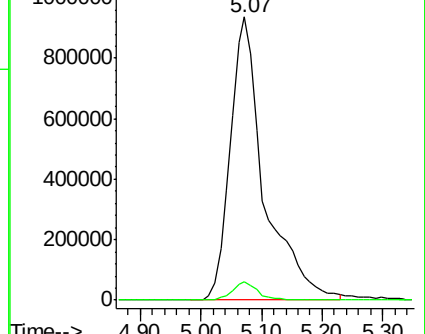
43 100

86 6.4 4.8 7.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 55.576 ug/l

RT: 4.99 min Scan# 362

Delta R.T. -0.00 min

Lab File: VD063549.D

Acq: 14 Aug 2019 1:41

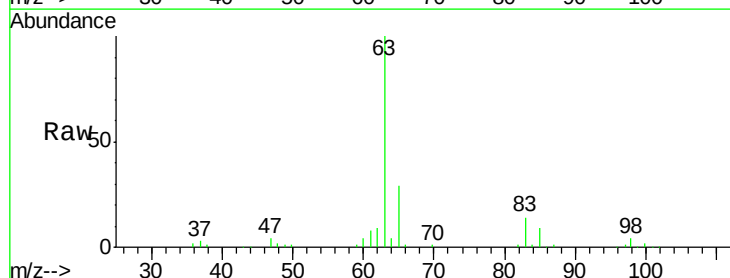
Tgt Ion: 63 Resp: 789879

Ion Ratio Lower Upper

63 100

98 3.6 2.4 7.2

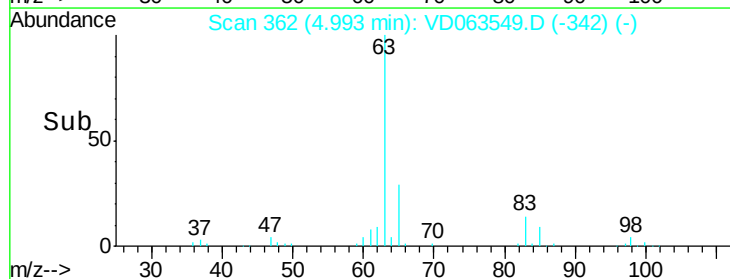
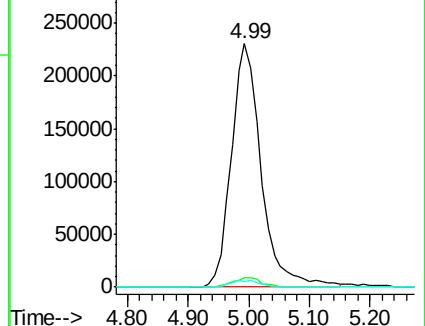
100 2.1 1.3 3.8

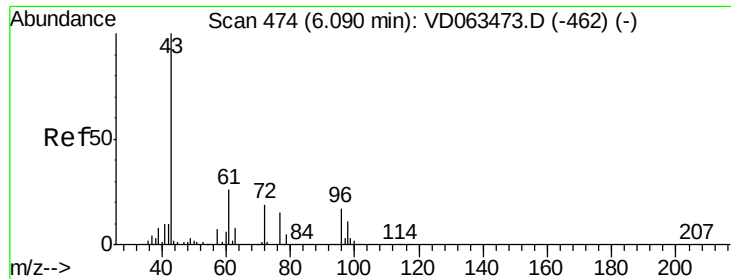


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 254.002 ug/l

RT: 6.09 min Scan# 473

Delta R.T. -0.00 min

Lab File: VD063549.D

Acq: 14 Aug 2019 1:41

Instrument :

MSVOA_D

ClientSampleId :

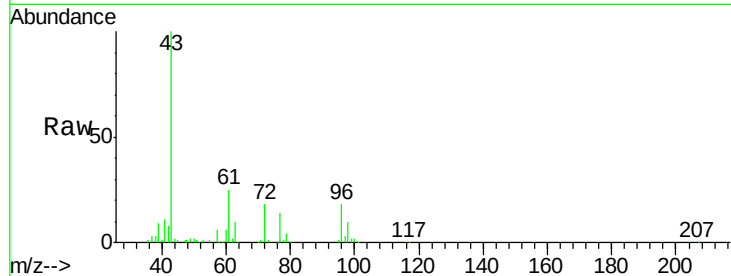
VSTDCCC050

Tot Ion: 43 Resp: 498321

Ion Ratio Lower Upper

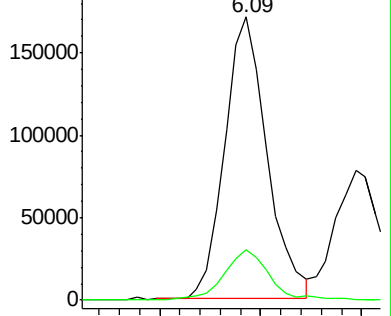
43 100

72 17.7 15.1 22.7

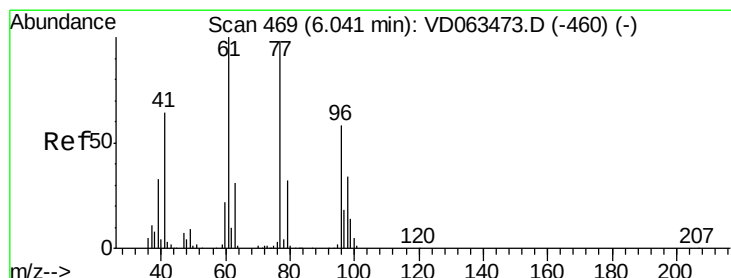
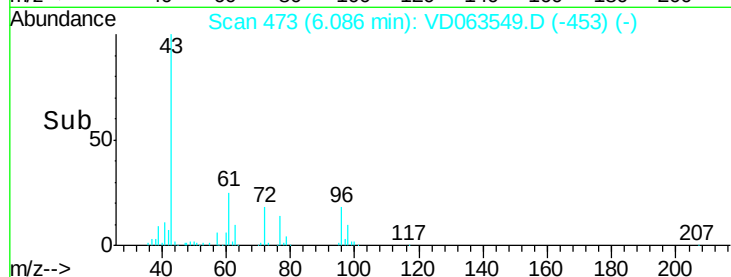


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



Time-->



#26

2,2-Dichloropropane

Concen: 50.418 ug/l

RT: 6.03 min Scan# 467

Delta R.T. -0.01 min

Lab File: VD063549.D

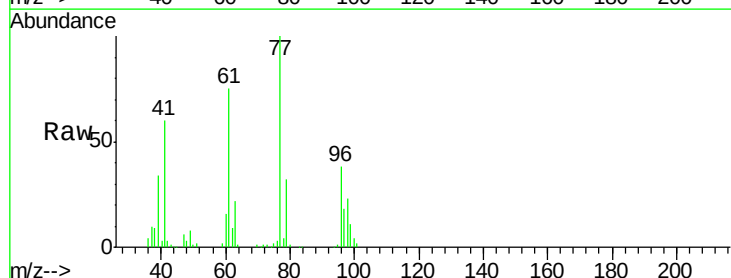
Acq: 14 Aug 2019 1:41

Tgt Ion: 77 Resp: 713728

Ion Ratio Lower Upper

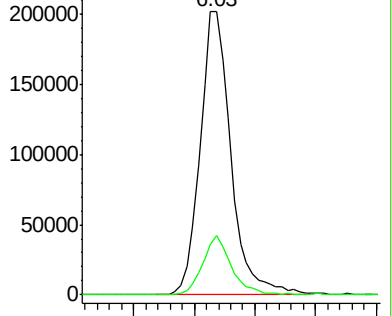
77 100

97 18.0 9.0 27.1

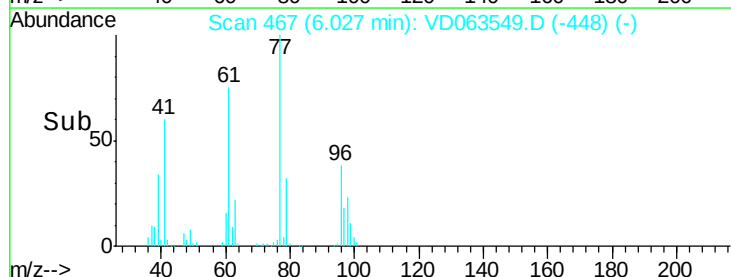


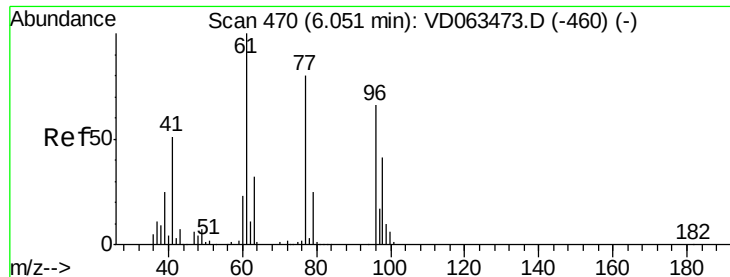
Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



Time-->



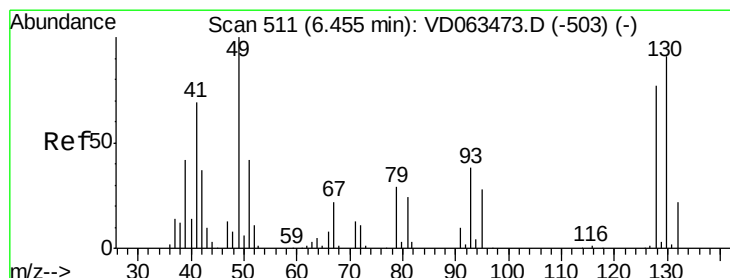
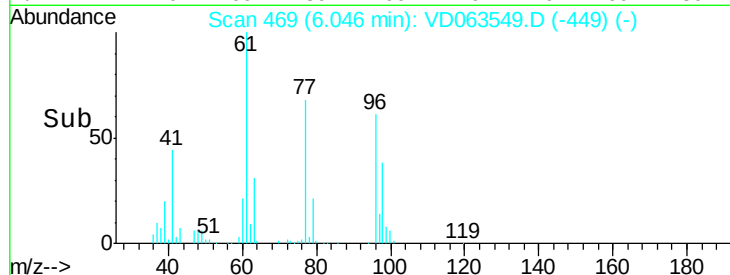
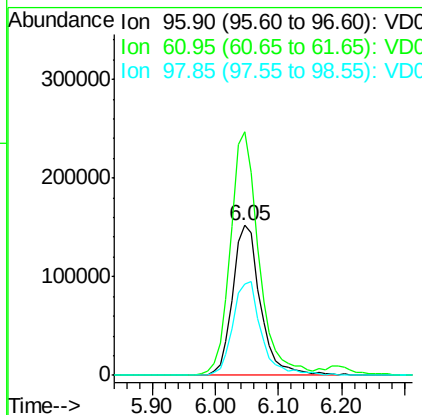
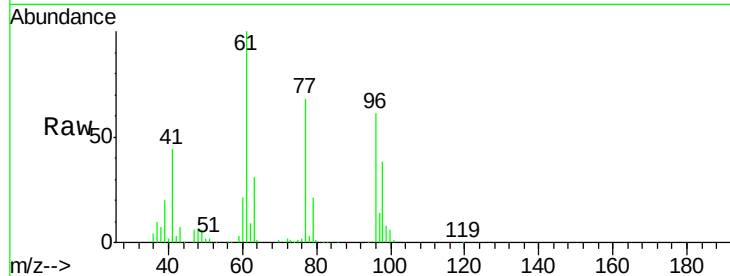


#27

cis-1,2-Dichloroethene
 Concen: 54.665 ug/l
 RT: 6.05 min Scan# 469
 Delta R.T. -0.00 min
 Lab File: VD063549.D
 Acq: 14 Aug 2019 1:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

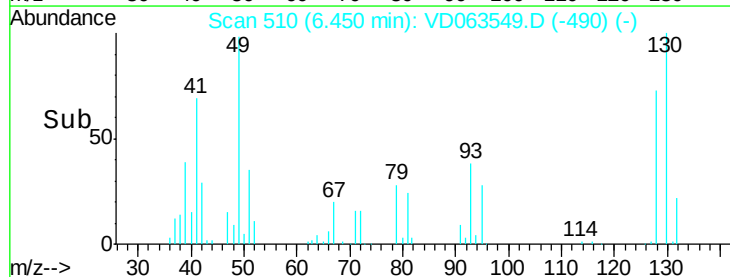
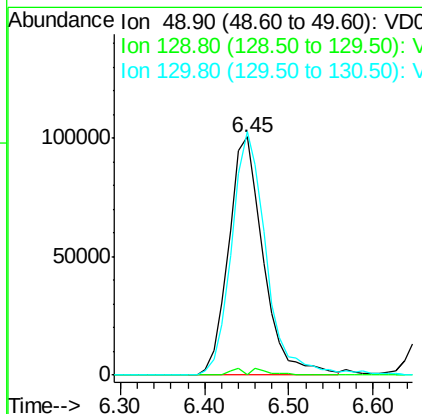
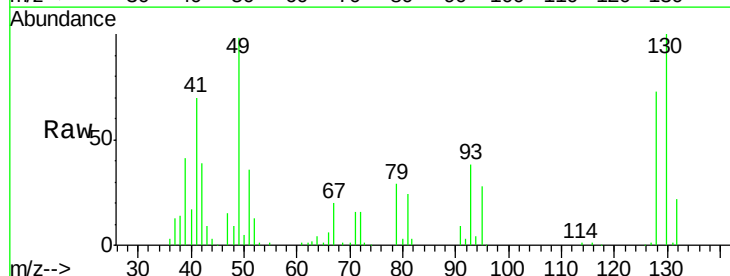
Tot Ion: 96 Resp: 464916
 Ion Ratio Lower Upper
 96 100
 61 162.8 0.0 304.0
 98 61.2 0.0 124.8

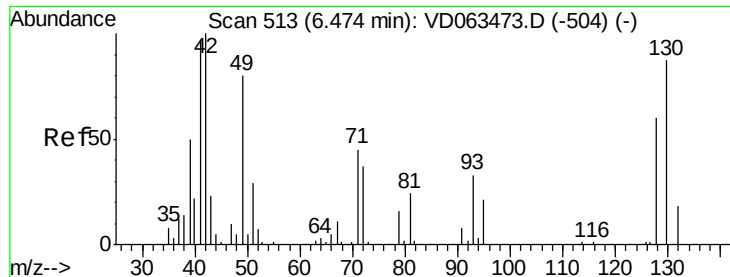


#28

Bromochloromethane
 Concen: 50.166 ug/l
 RT: 6.45 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VD063549.D
 Acq: 14 Aug 2019 1:41

Tgt Ion: 49 Resp: 288967
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 6.4
 130 102.3 72.4 108.6





#29

Tetrahydrofuran

Concen: 263.364 ug/l

RT: 6.47 min Scan# 512

Delta R.T. -0.00 min

Lab File: VD063549.D

Acq: 14 Aug 2019 1:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

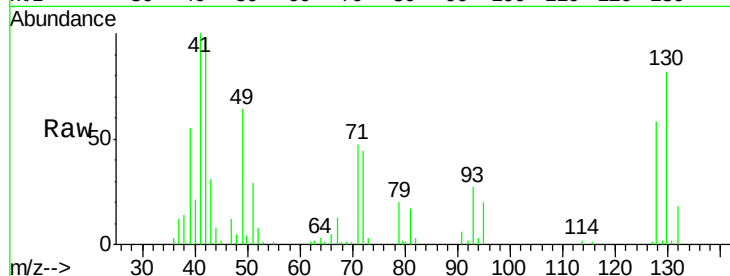
Tot Ion: 42 Resp: 240763

Ion Ratio Lower Upper

42 100

72 44.4 31.5 47.3

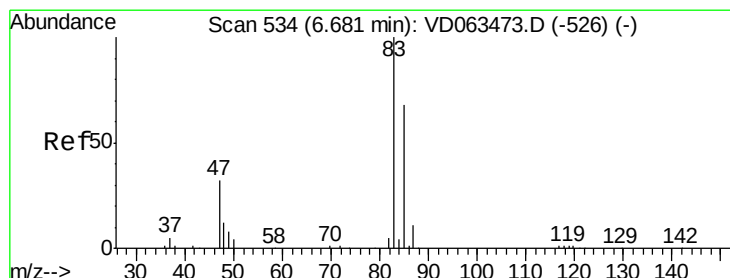
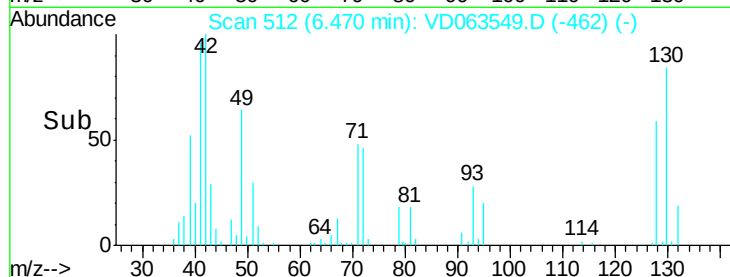
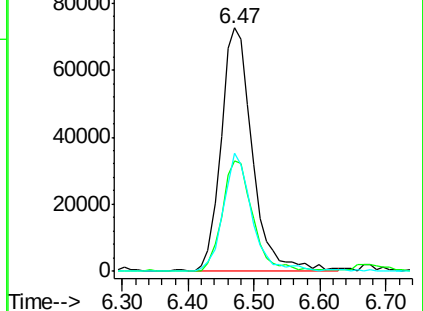
71 44.1 33.8 50.8



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 53.834 ug/l

RT: 6.68 min Scan# 533

Delta R.T. -0.00 min

Lab File: VD063549.D

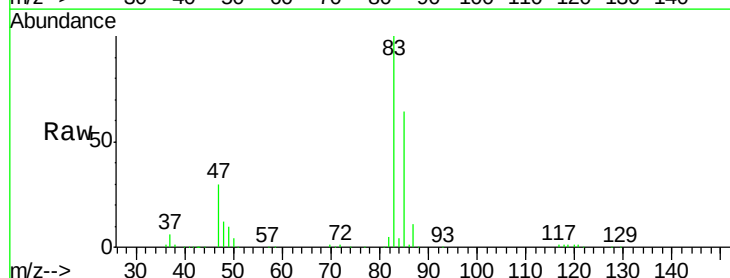
Acq: 14 Aug 2019 1:41

Tgt Ion: 83 Resp: 951029

Ion Ratio Lower Upper

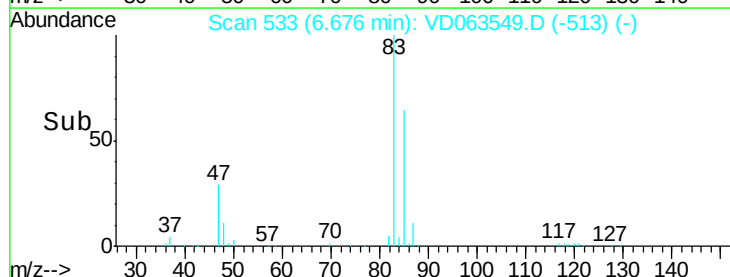
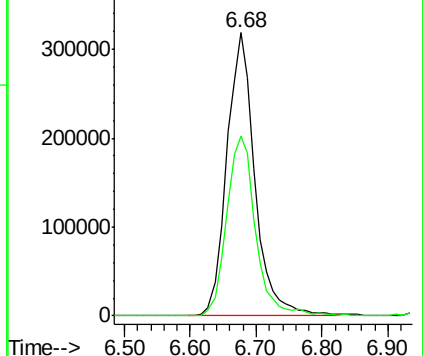
83 100

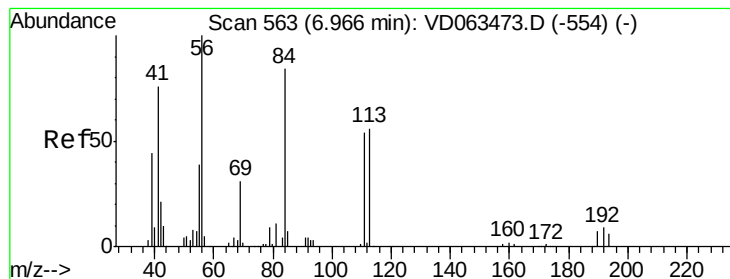
85 63.7 54.8 82.2



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 47.546 ug/l

RT: 6.96 min Scan# 562

Delta R.T. -0.00 min

Lab File: VD063549.D

Acq: 14 Aug 2019 1:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

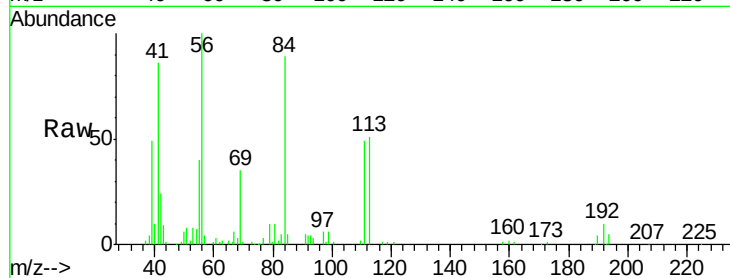
Tot Ion: 56 Resp: 419509

Ion Ratio Lower Upper

56 100

69 35.1 25.0 37.6

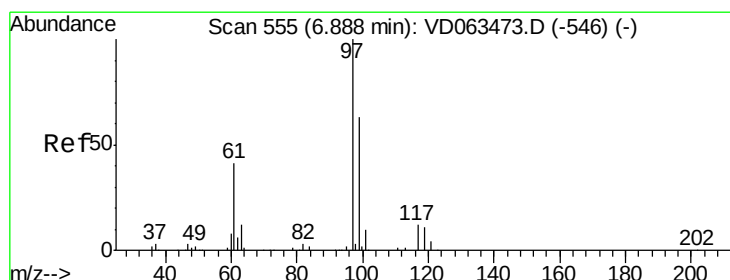
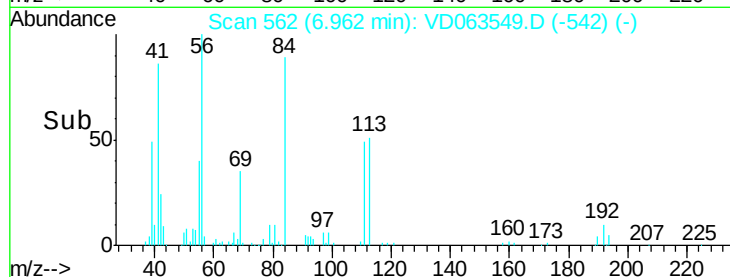
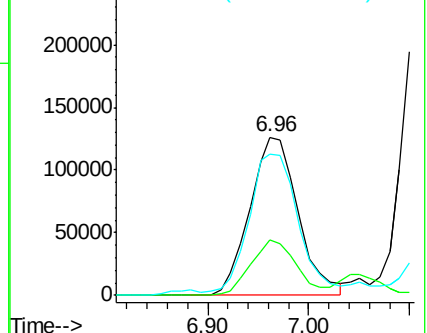
84 89.0 69.7 104.5



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: 55.074 ug/l

RT: 6.88 min Scan# 554

Delta R.T. -0.00 min

Lab File: VD063549.D

Acq: 14 Aug 2019 1:41

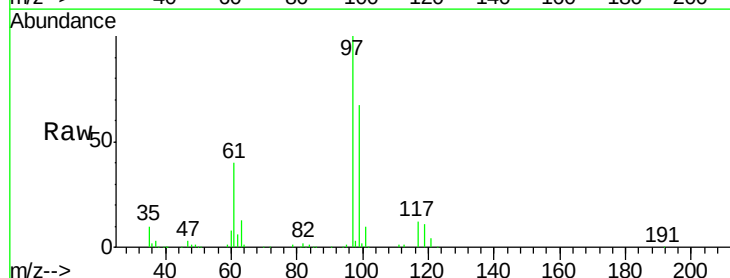
Tgt Ion: 97 Resp: 930695

Ion Ratio Lower Upper

97 100

99 67.1 50.2 75.4

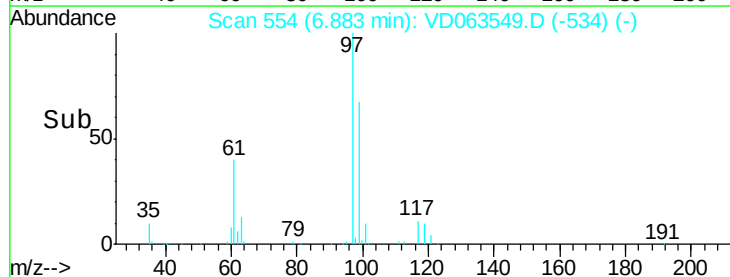
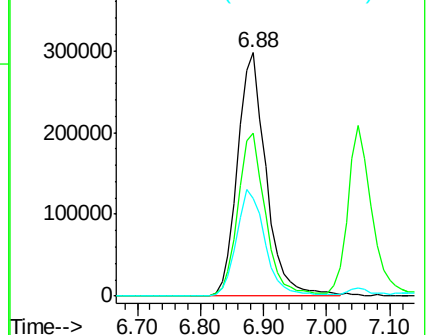
61 40.0 33.1 49.7

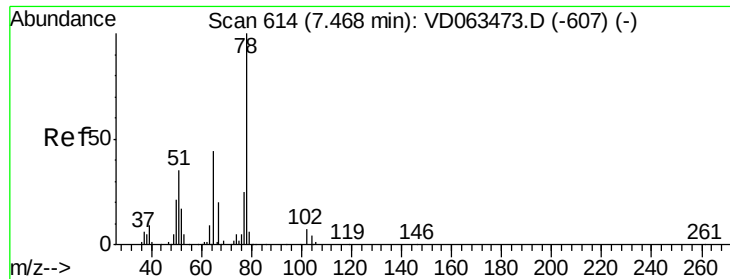


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 98.85 (98.55 to 99.55): VDC

Ion 60.95 (60.65 to 61.65): VDC

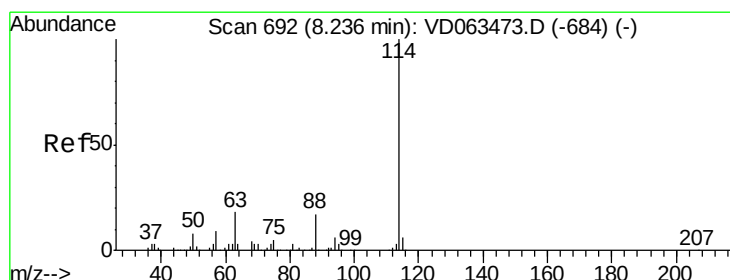
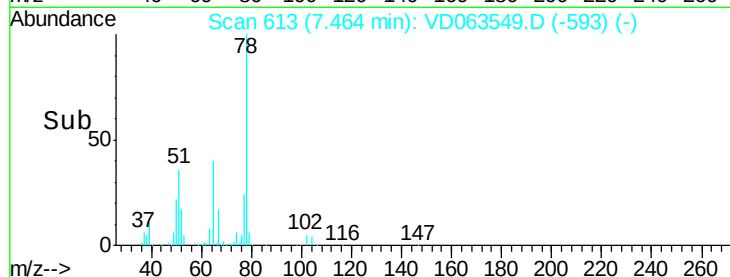
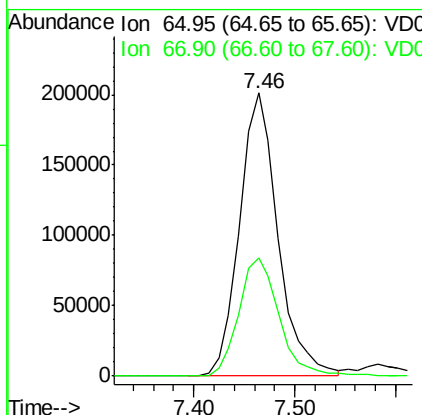
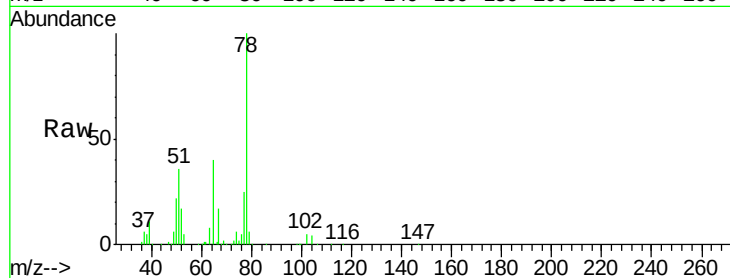




#33
 1,2-Dichloroethane-d4
 Concen: 54.623 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VD063549.D
 Acq: 14 Aug 2019 1:41

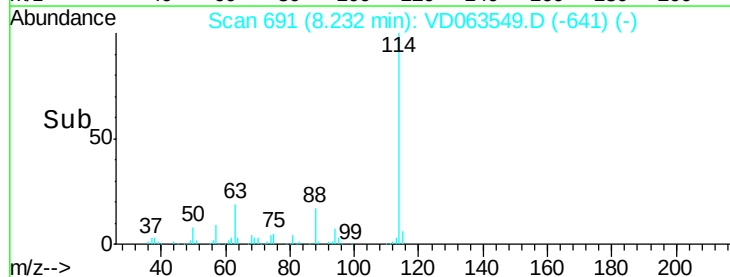
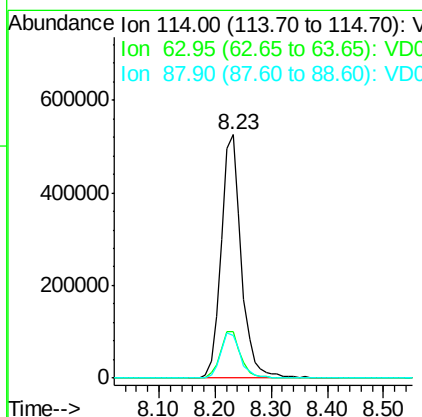
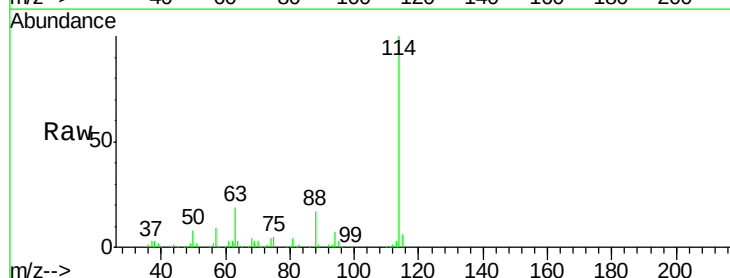
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

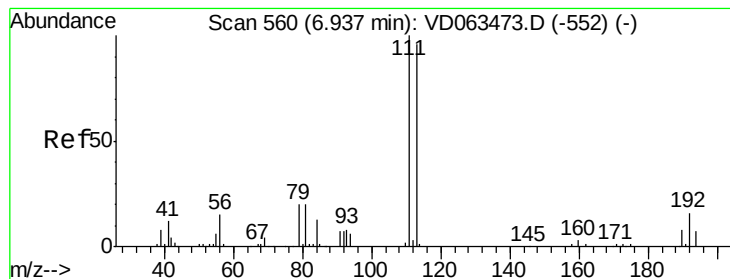
Tot Ion: 65 Resp: 533772
 Ion Ratio Lower Upper
 65 100
 67 41.7 0.0 89.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. -0.00 min
 Lab File: VD063549.D
 Acq: 14 Aug 2019 1:41

Tgt Ion: 114 Resp: 1308452
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 36.2
 88 17.4 0.0 35.0





#35

Dibromofluoromethane

Concen: 52.444 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.00 min

Lab File: VD063549.D

Acq: 14 Aug 2019 1:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

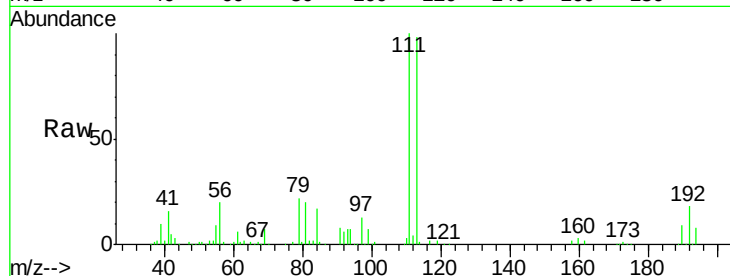
Tot Ion:113 Resp: 577930

Ion Ratio Lower Upper

113 100

111 101.7 83.1 124.7

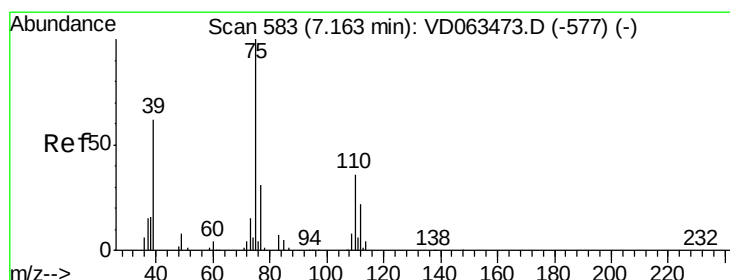
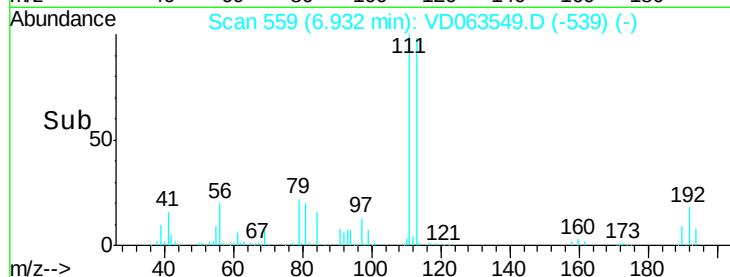
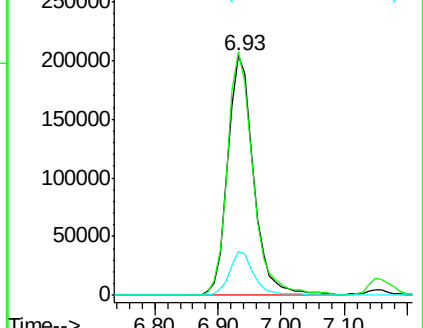
192 18.2 13.1 19.7



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 52.876 ug/l

RT: 7.16 min Scan# 582

Delta R.T. -0.00 min

Lab File: VD063549.D

Acq: 14 Aug 2019 1:41

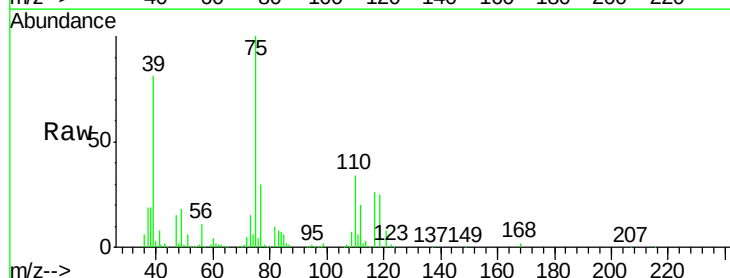
Tgt Ion: 75 Resp: 611619

Ion Ratio Lower Upper

75 100

110 33.7 17.6 52.8

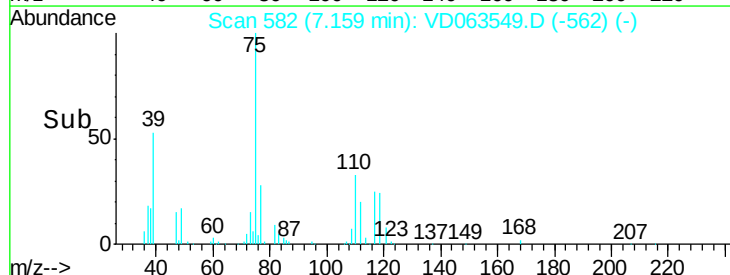
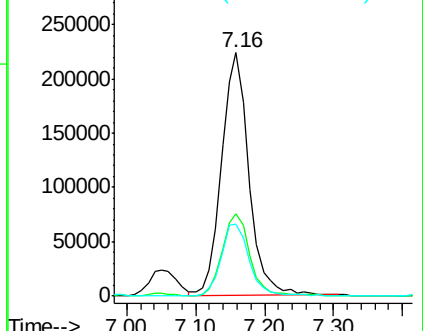
77 29.7 24.3 36.5

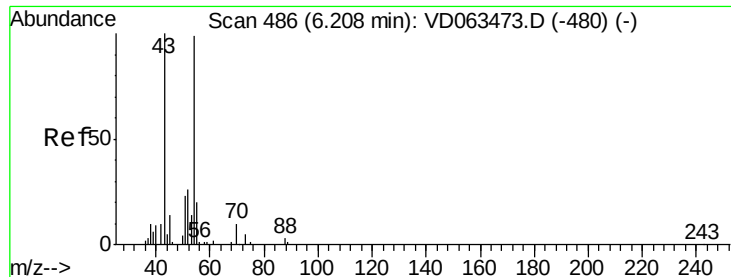


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

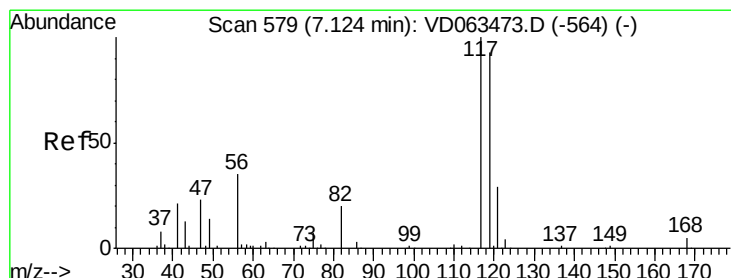
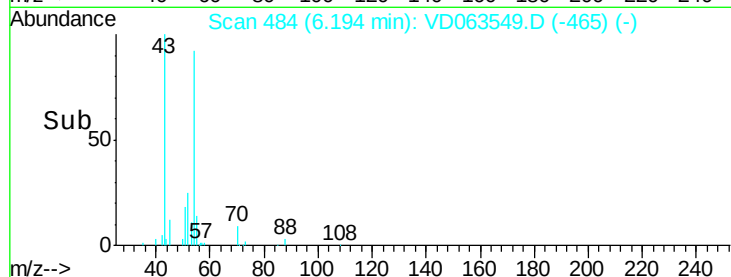
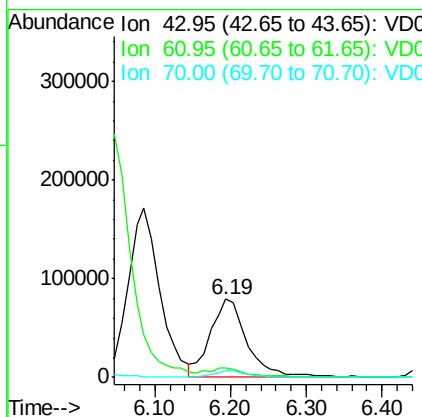
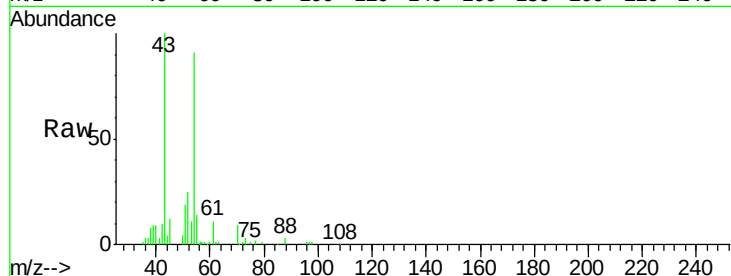




#37
Ethyl Acetate
Concen: 53.347 ug/l
RT: 6.19 min Scan# 484
Delta R.T. -0.01 min
Lab File: VD063549.D
Acq: 14 Aug 2019 1:41

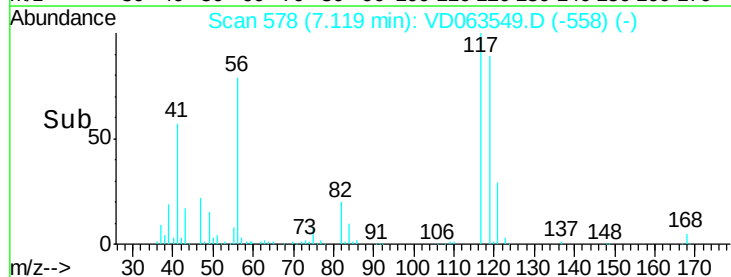
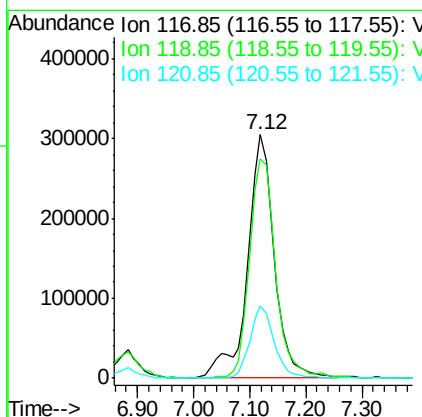
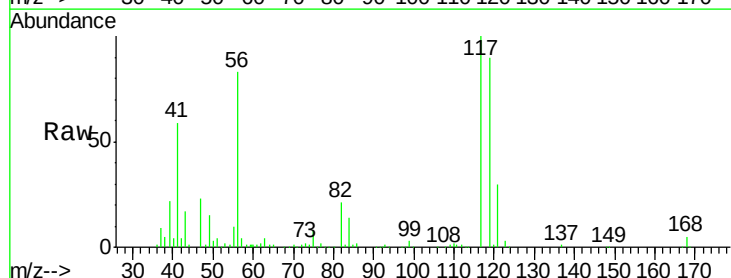
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

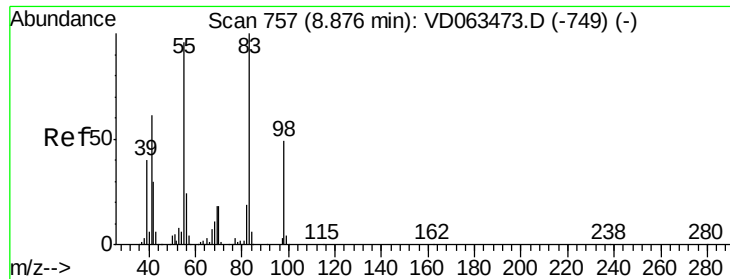
Tot Ion: 43 Resp: 258571
Ion Ratio Lower Upper
43 100
61 11.5 9.0 13.6
70 9.4 6.9 10.3



#38
Carbon Tetrachloride
Concen: 57.957 ug/l
RT: 7.12 min Scan# 578
Delta R.T. -0.00 min
Lab File: VD063549.D
Acq: 14 Aug 2019 1:41

Tgt Ion: 117 Resp: 1010363
Ion Ratio Lower Upper
117 100
119 89.9 74.2 111.2
121 29.8 23.1 34.7

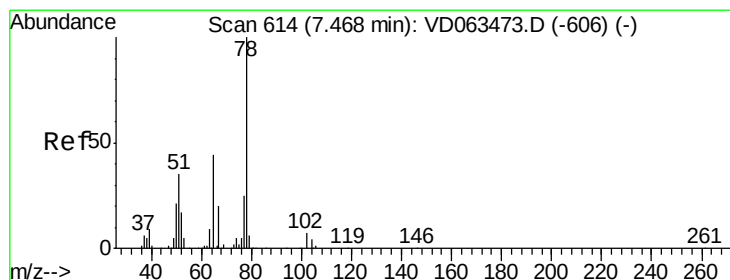
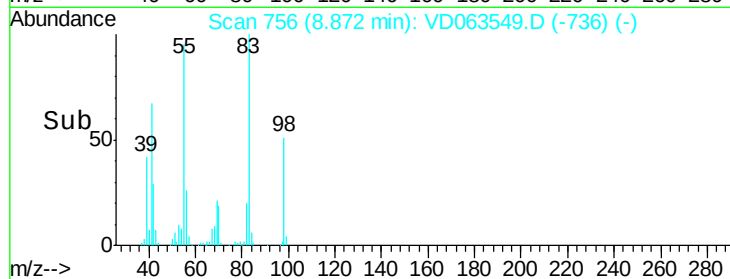
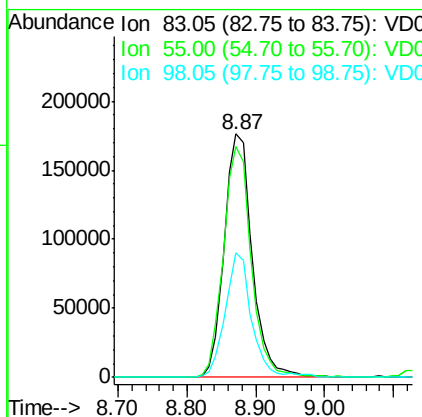
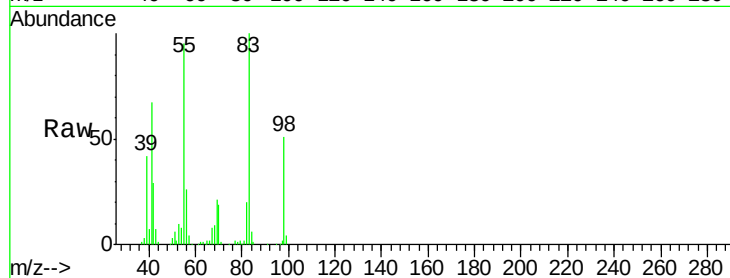




#39
Methylvlcyclohexane
Concen: 50.492 ug/l
RT: 8.87 min Scan# 756
Delta R.T. -0.00 min
Lab File: VD063549.D
Acq: 14 Aug 2019 1:41

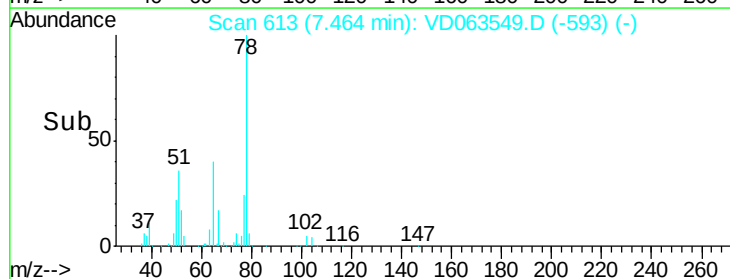
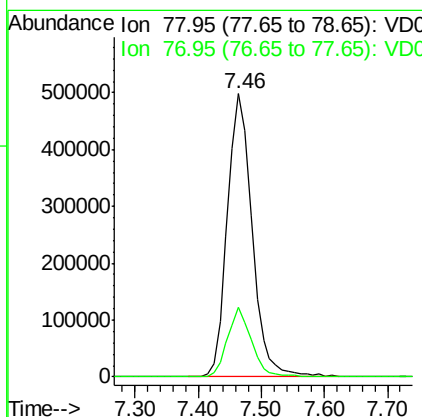
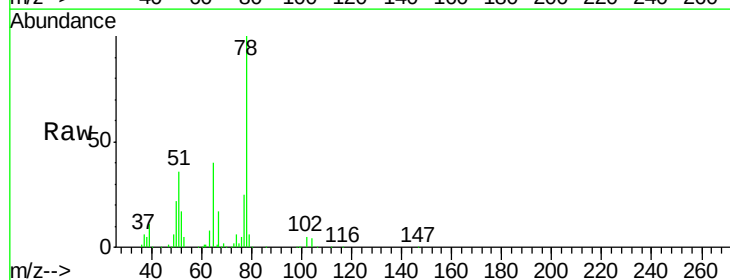
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

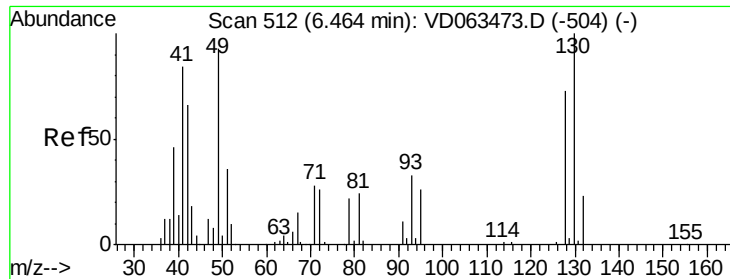
Tot Ion: 83 Resp: 496635
Ion Ratio Lower Upper
83 100
55 94.8 76.6 114.8
98 51.1 39.4 59.0



#40
Benzene
Concen: 53.393 ug/l
RT: 7.46 min Scan# 613
Delta R.T. -0.00 min
Lab File: VD063549.D
Acq: 14 Aug 2019 1:41

Tgt Ion: 78 Resp: 1359102
Ion Ratio Lower Upper
78 100
77 24.5 20.1 30.1





#41

Methacrylonitrile

Concen: 54.830 ug/l

RT: 6.46 min Scan# 511

Delta R.T. -0.00 min

Lab File: VD063549.D

Acq: 14 Aug 2019 1:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 334614

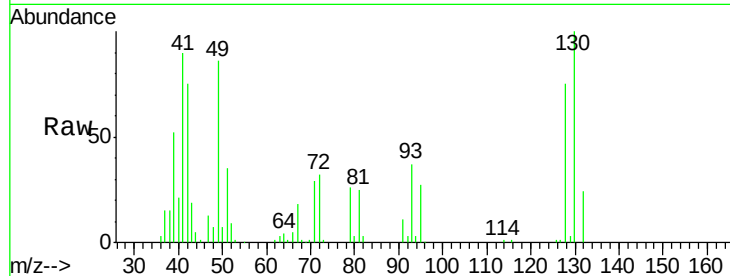
Ion Ratio Lower Upper

41 100

39 57.2 44.6 66.8

67 20.4 14.4 21.6

52 9.6 9.3 13.9

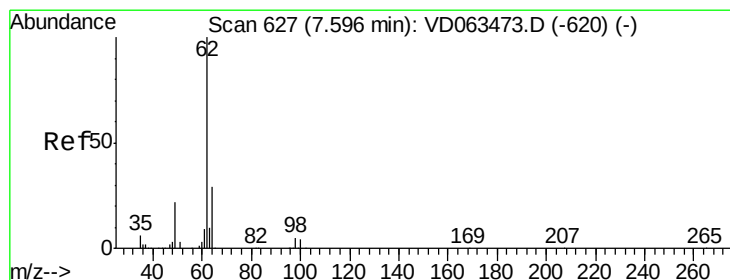
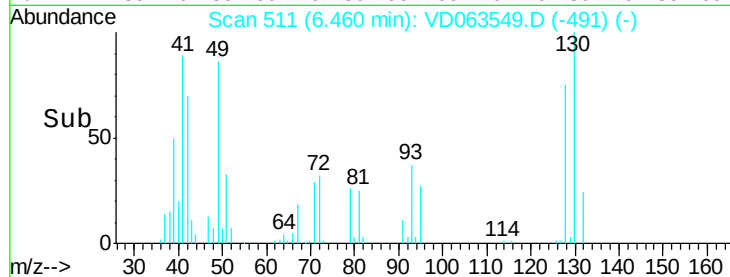
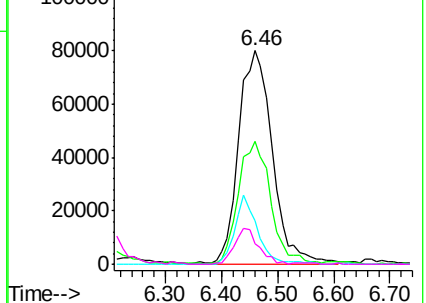


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 54.774 ug/l

RT: 7.59 min Scan# 626

Delta R.T. -0.00 min

Lab File: VD063549.D

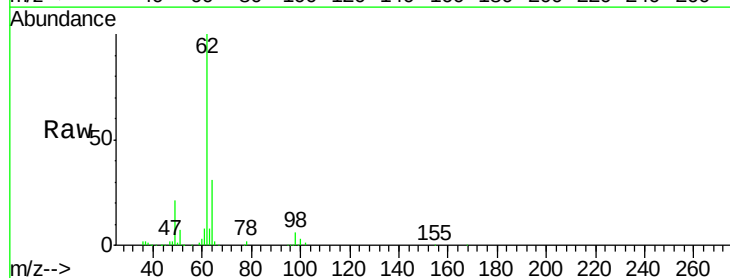
Acq: 14 Aug 2019 1:41

Tgt Ion: 62 Resp: 701073

Ion Ratio Lower Upper

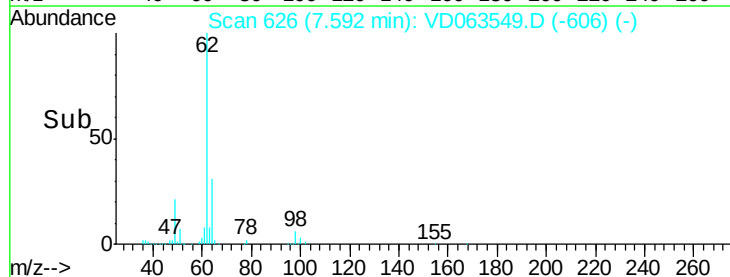
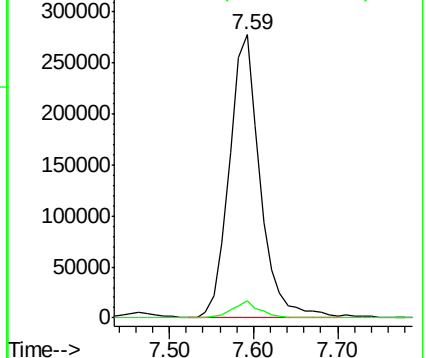
62 100

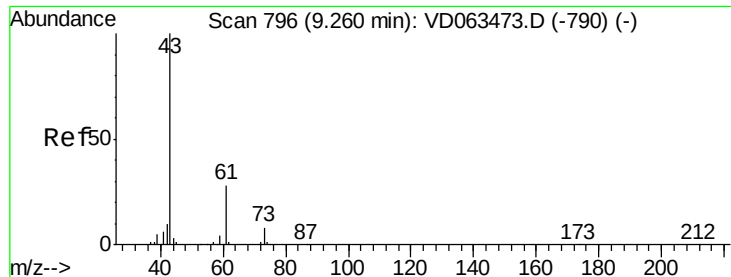
98 5.9 0.0 10.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC

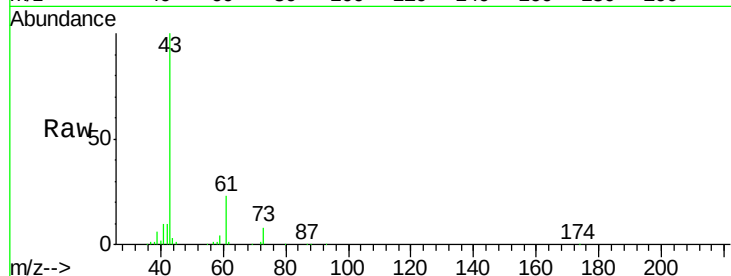




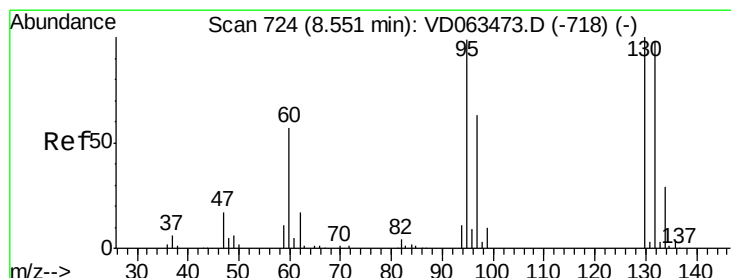
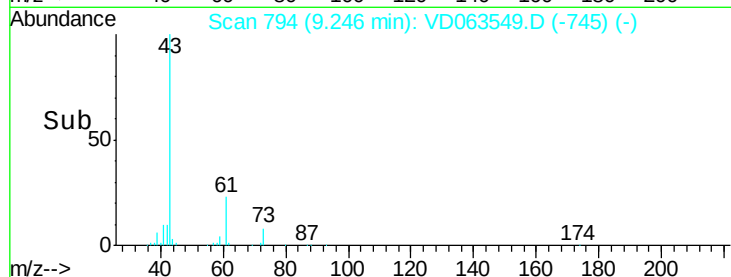
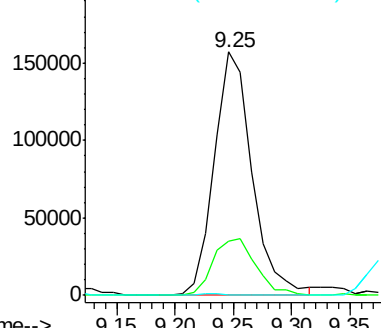
#43
Isopropyl Acetate
Concen: 54.634 ug/l
RT: 9.25 min Scan# 794
Delta R.T. -0.01 min
Lab File: VD063549.D
Acq: 14 Aug 2019 1:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 354661
Ion Ratio Lower Upper
43 100
61 22.5 22.2 33.2
87 0.3 0.2 0.4

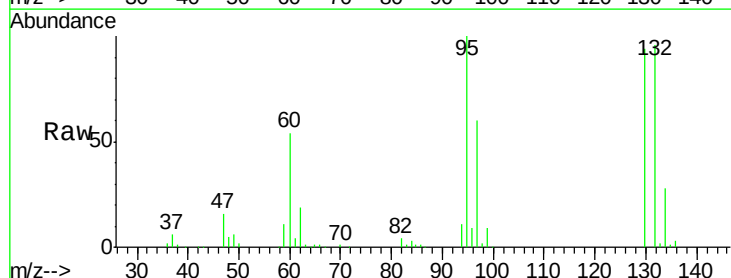


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC

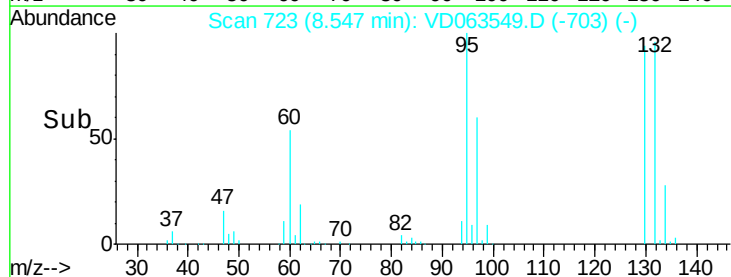
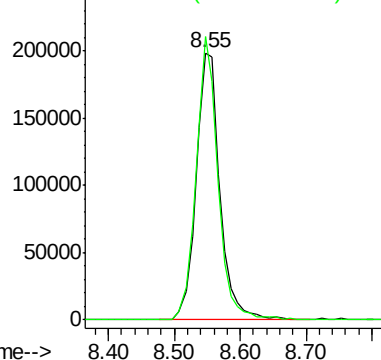


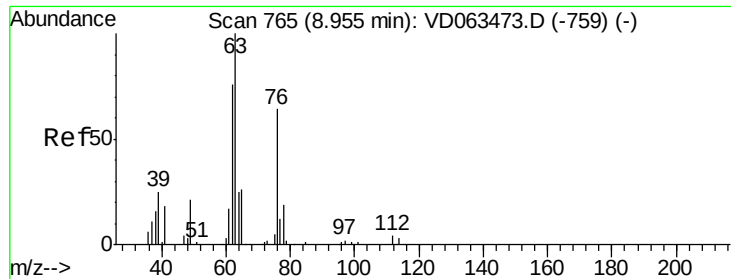
#44
Trichloroethene
Concen: 51.524 ug/l
RT: 8.55 min Scan# 723
Delta R.T. -0.00 min
Lab File: VD063549.D
Acq: 14 Aug 2019 1:41

Tgt Ion:130 Resp: 501295
Ion Ratio Lower Upper
130 100
95 105.9 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: 56.332 ug/l

RT: 8.95 min Scan# 764

Delta R.T. -0.00 min

Lab File: VD063549.D

Acq: 14 Aug 2019 1:41

Instrument :

MSVOA_D

ClientSampleId :

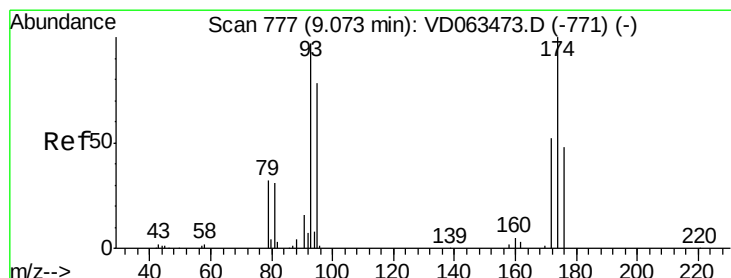
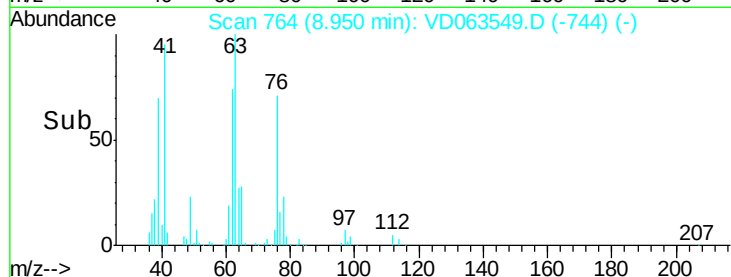
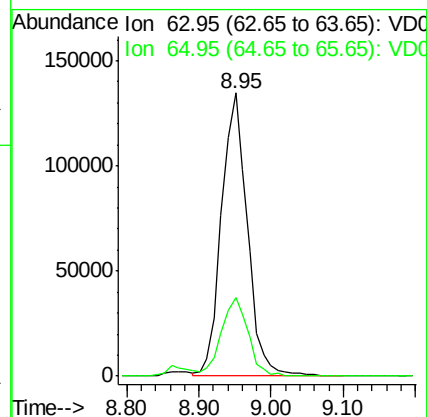
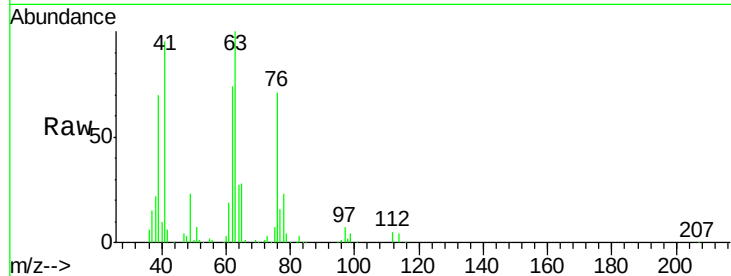
VSTDCCC050

Tot Ion: 63 Resp: 333929

Ion Ratio Lower Upper

63 100

65 27.7 22.5 33.7



#46

Dibromomethane

Concen: 58.646 ug/l

RT: 9.07 min Scan# 776

Delta R.T. -0.00 min

Lab File: VD063549.D

Acq: 14 Aug 2019 1:41

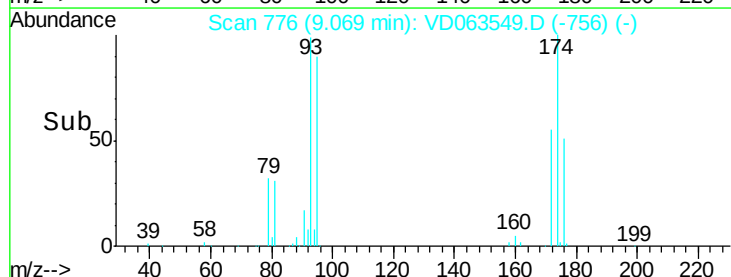
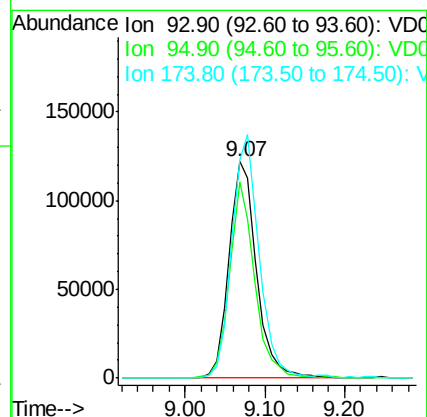
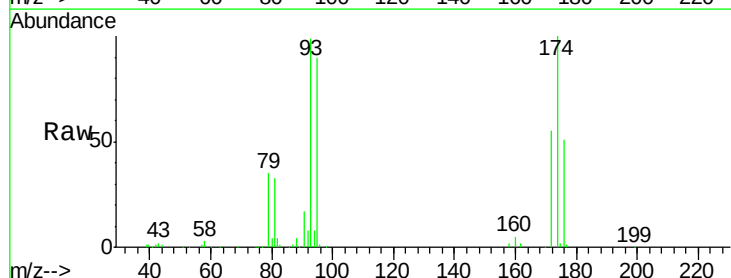
Tgt Ion: 93 Resp: 296883

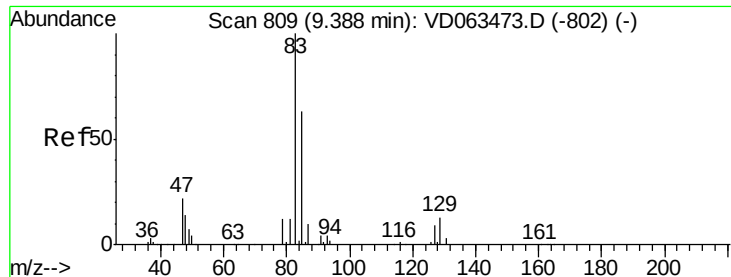
Ion Ratio Lower Upper

93 100

95 90.5 64.2 96.2

174 100.7 82.1 123.1





#47

Bromodichloromethane

Concen: 59.794 ug/l

RT: 9.38 min Scan# 808

Delta R.T. -0.00 min

Lab File: VD063549.D

Acq: 14 Aug 2019 1:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

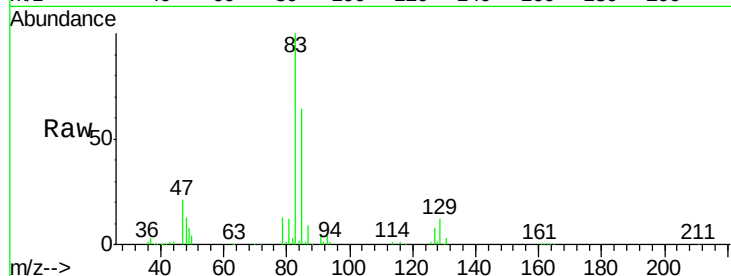
Tot Ion: 83 Resp: 776434

Ion Ratio Lower Upper

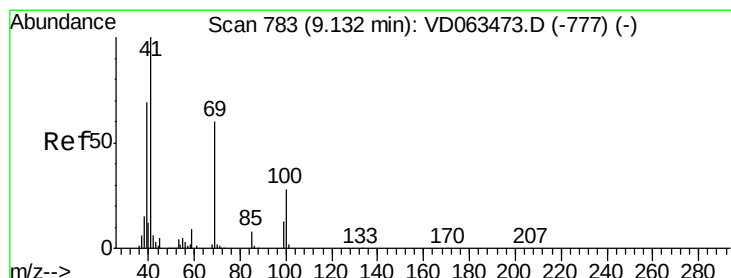
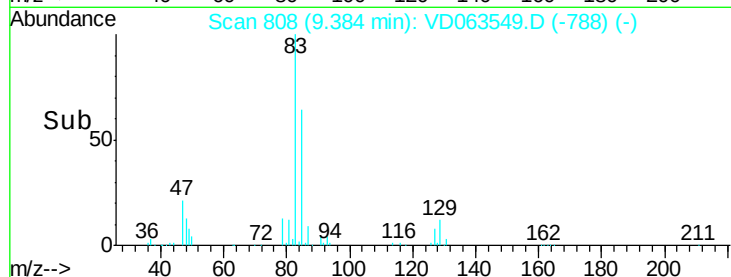
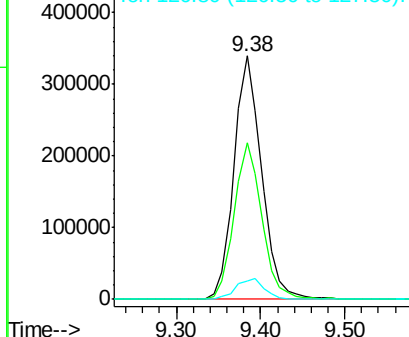
83 100

85 64.4 50.1 75.1

127 7.8 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: 56.852 ug/l

RT: 9.13 min Scan# 782

Delta R.T. -0.00 min

Lab File: VD063549.D

Acq: 14 Aug 2019 1:41

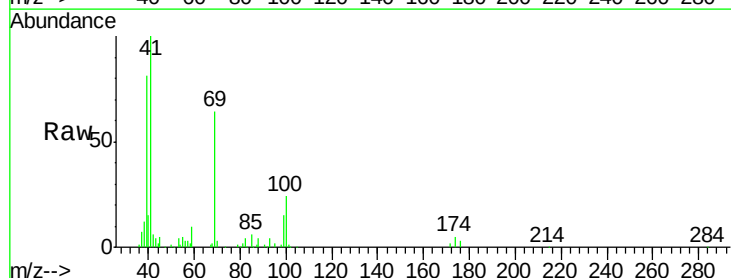
Tgt Ion: 41 Resp: 250287

Ion Ratio Lower Upper

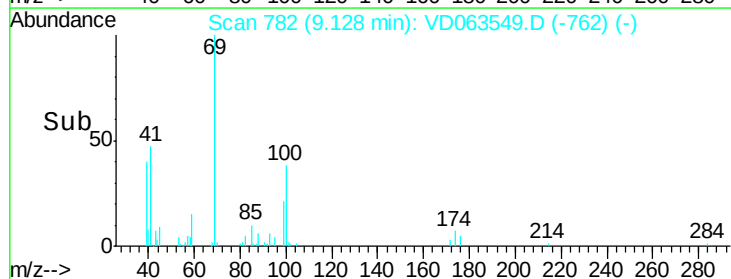
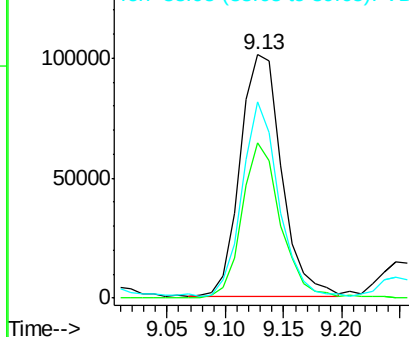
41 100

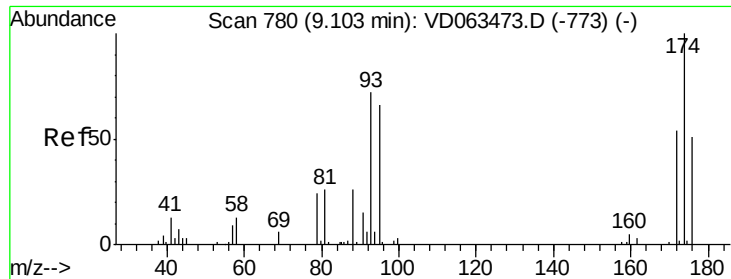
69 64.0 47.6 71.4

39 80.7 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

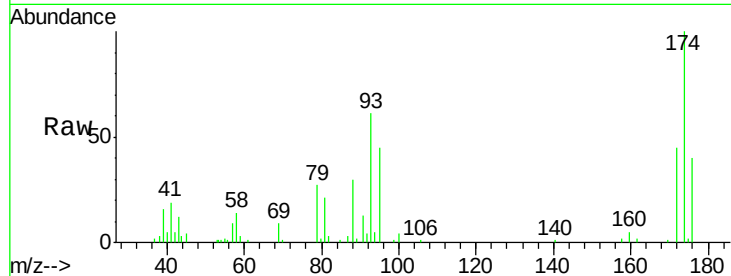




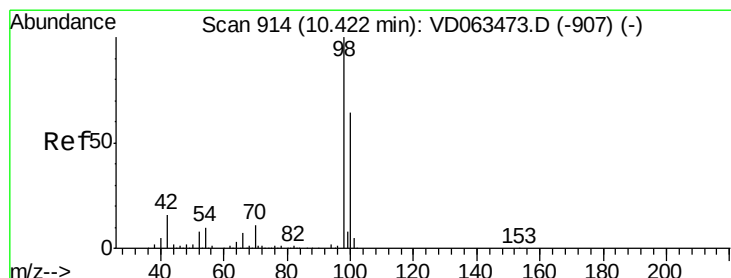
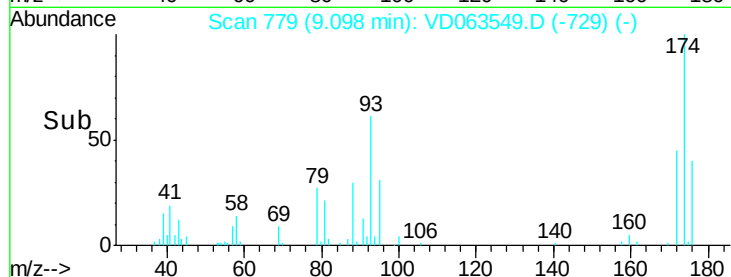
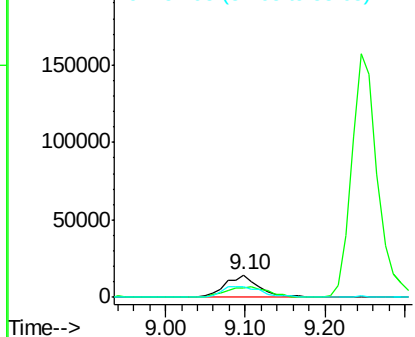
#49
1,4-Dioxane
Concen: 1071.662 ug/l
RT: 9.10 min Scan# 779
Delta R.T. -0.00 min
Lab File: VD063549.D
Acq: 14 Aug 2019 1:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 42202
Ion Ratio Lower Upper
88 100
43 38.8 22.9 34.3#
58 45.8 40.1 60.1

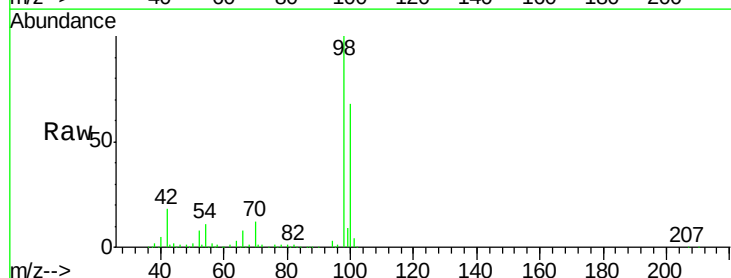


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

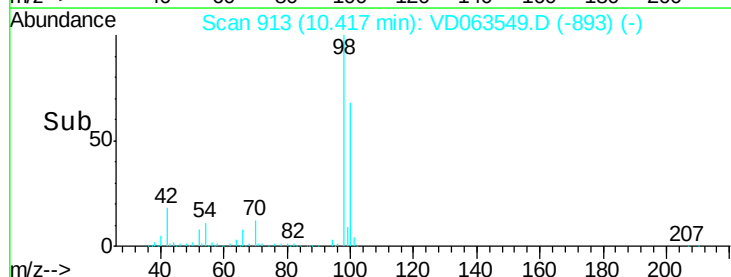
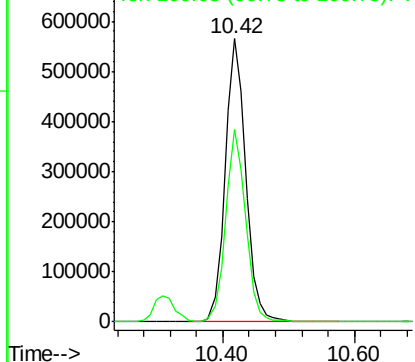


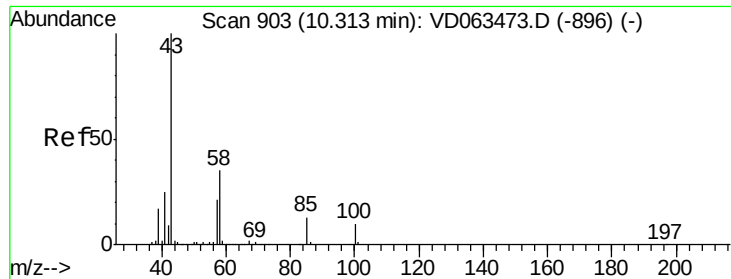
#50
Toluene-d8
Concen: 50.993 ug/l
RT: 10.42 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD063549.D
Acq: 14 Aug 2019 1:41

Tgt Ion: 98 Resp: 1235443
Ion Ratio Lower Upper
98 100
100 67.9 51.7 77.5



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

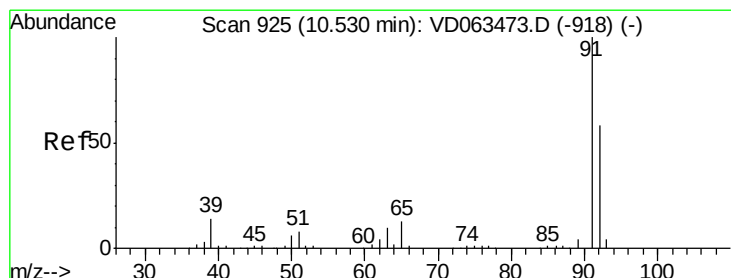
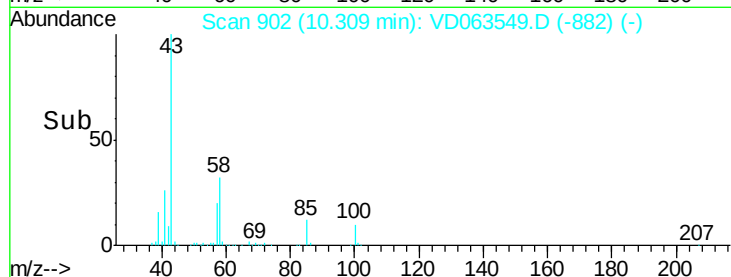
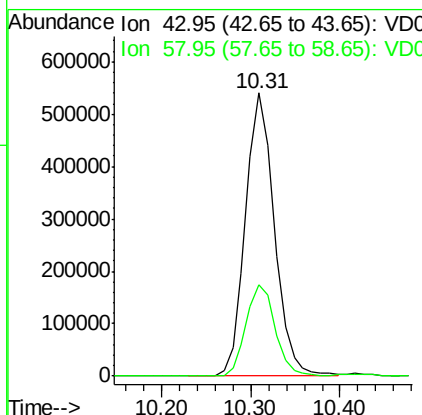
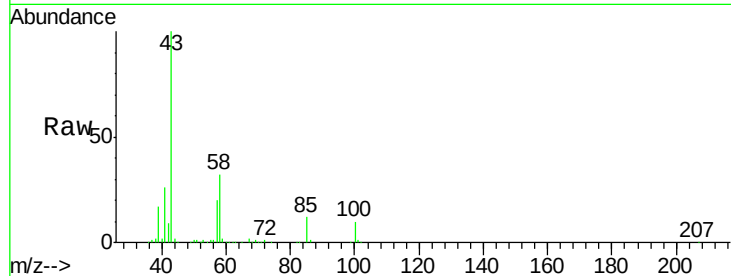




#51
 4-Methyl-2-Pentanone
 Concen: 273.703 ug/l
 RT: 10.31 min Scan# 902
 Delta R.T. -0.00 min
 Lab File: VD063549.D
 Acq: 14 Aug 2019 1:41

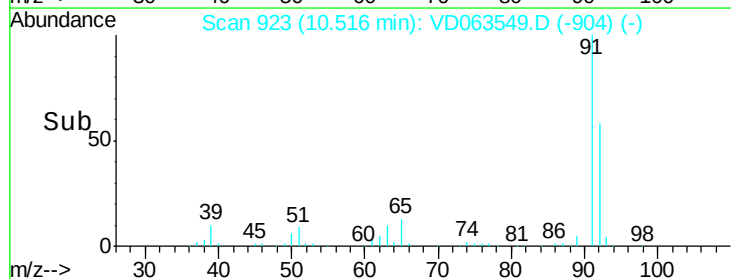
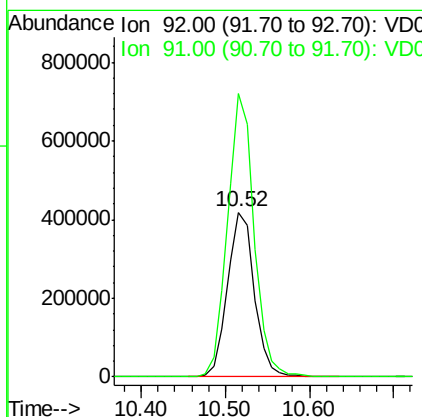
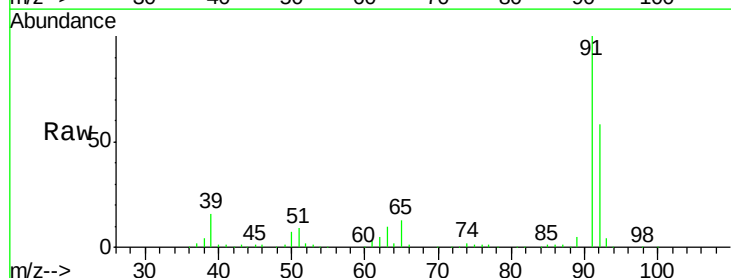
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

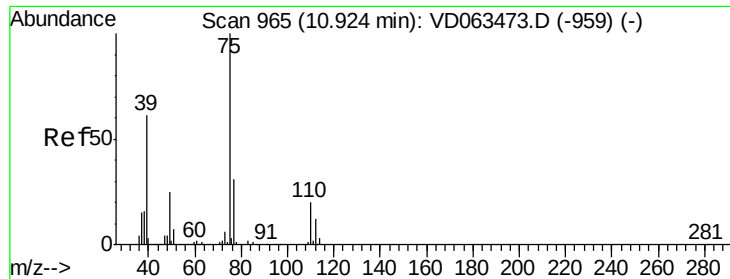
Tot Ion: 43 Resp: 1215794
 Ion Ratio Lower Upper
 43 100
 58 32.3 28.0 42.0



#52
 Toluene
 Concen: 56.708 ug/l
 RT: 10.52 min Scan# 923
 Delta R.T. -0.01 min
 Lab File: VD063549.D
 Acq: 14 Aug 2019 1:41

Tgt Ion: 92 Resp: 929751
 Ion Ratio Lower Upper
 92 100
 91 171.7 137.9 206.9

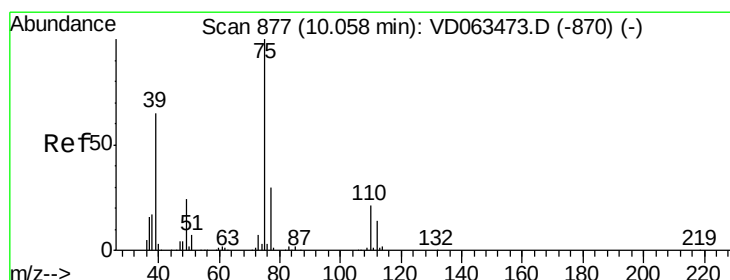
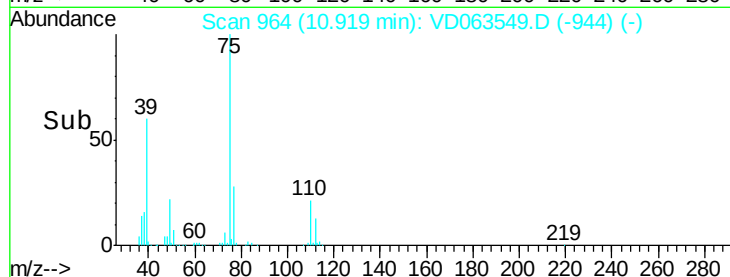
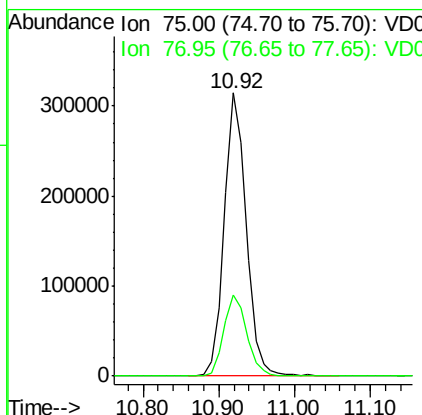
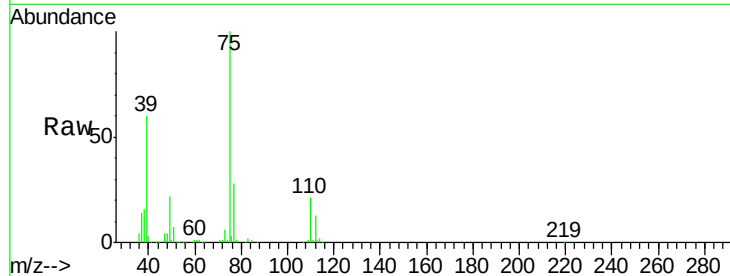




#53
t-1,3-Dichloropropene
Concen: 59.397 ug/l
RT: 10.92 min Scan# 964
Delta R.T. -0.00 min
Lab File: VD063549.D
Acq: 14 Aug 2019 1:41

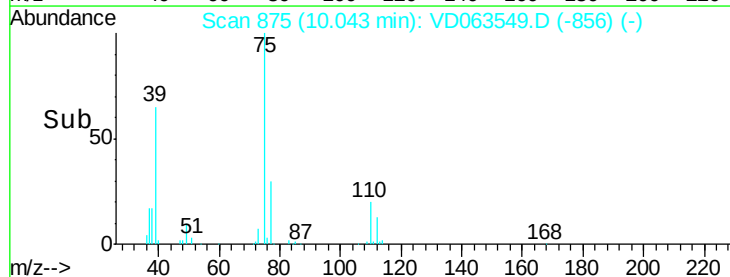
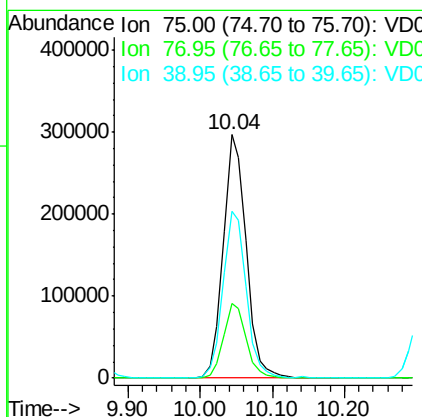
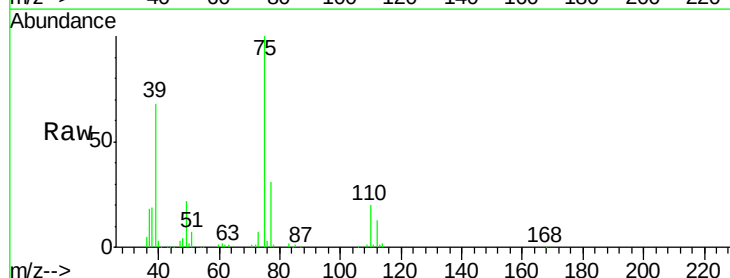
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

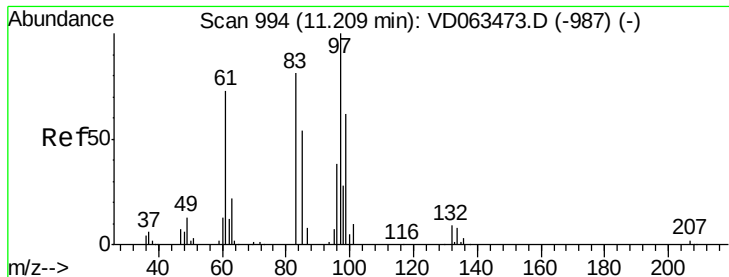
Tot Ion: 75 Resp: 629438
Ion Ratio Lower Upper
75 100
77 28.5 24.5 36.7



#54
cis-1,3-Dichloropropene
Concen: 54.722 ug/l
RT: 10.04 min Scan# 875
Delta R.T. -0.01 min
Lab File: VD063549.D
Acq: 14 Aug 2019 1:41

Tgt Ion: 75 Resp: 653877
Ion Ratio Lower Upper
75 100
77 30.6 23.7 35.5
39 68.5 52.2 78.4

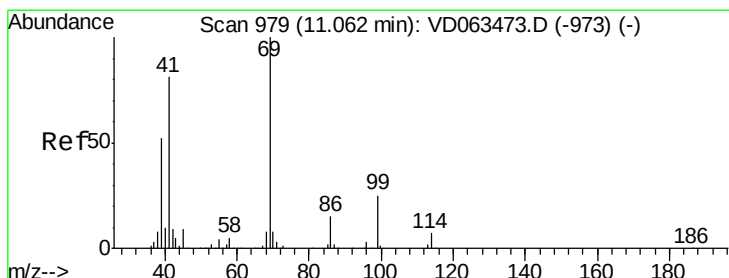
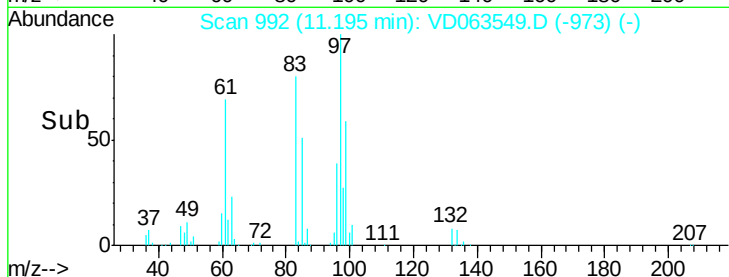
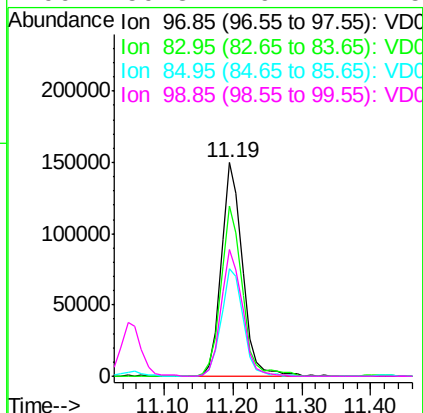
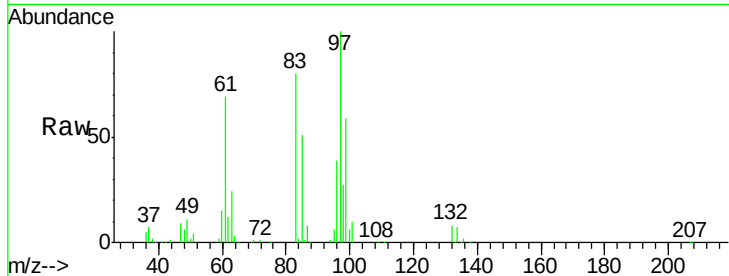




#55
 1,1,2-Trichloroethane
 Concen: 57.457 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. -0.01 min
 Lab File: VD063549.D
 Acq: 14 Aug 2019 1:41

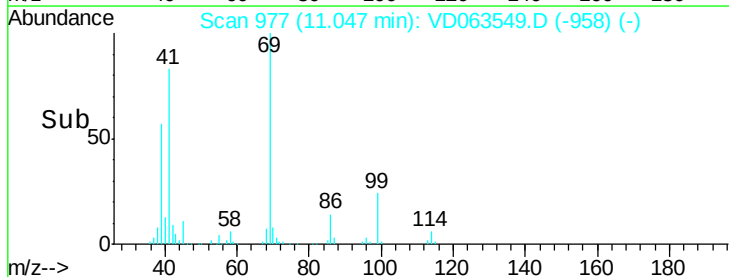
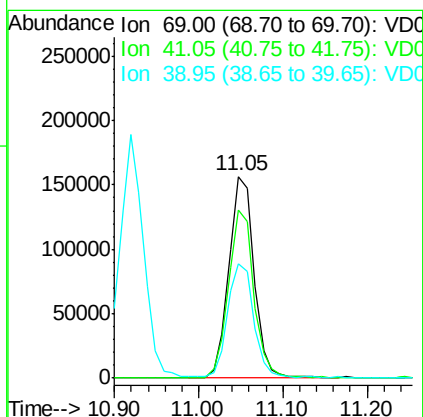
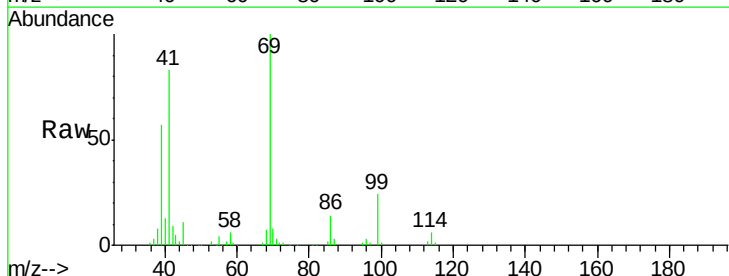
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

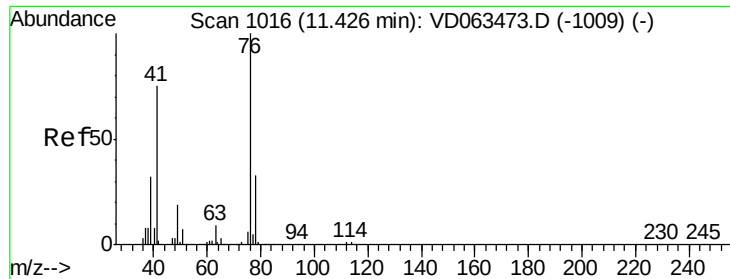
Tot Ion:	97	Resp:	318211
Ion	Ratio	Lower	Upper
97	100		
83	79.7	64.7	97.1
85	50.6	42.9	64.3
99	59.3	49.7	74.5



#56
 Ethyl methacrylate
 Concen: 54.243 ug/l
 RT: 11.05 min Scan# 977
 Delta R.T. -0.01 min
 Lab File: VD063549.D
 Acq: 14 Aug 2019 1:41

Tgt Ion:	69	Resp:	326067
Ion	Ratio	Lower	Upper
69	100		
41	83.2	64.8	97.2
39	56.8	42.4	63.6





#57

1,3-Dichloropropane

Concen: 55.995 ug/l

RT: 11.41 min Scan# 1014

Delta R.T. -0.01 min

Lab File: VD063549.D

Acq: 14 Aug 2019 1:41

Instrument :

MSVOA_D

ClientSampleId :

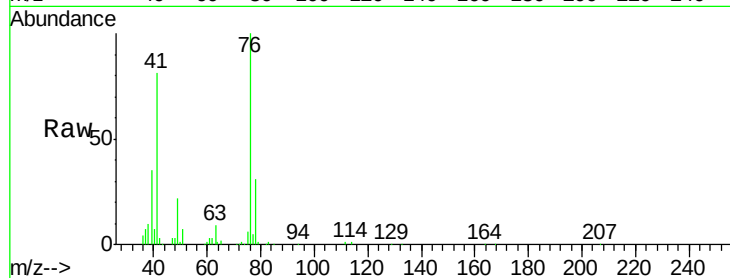
VSTDCCC050

Tot Ion: 76 Resp: 468763

Ion Ratio Lower Upper

76 100

78 30.7 26.3 39.5



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.41

250000

200000

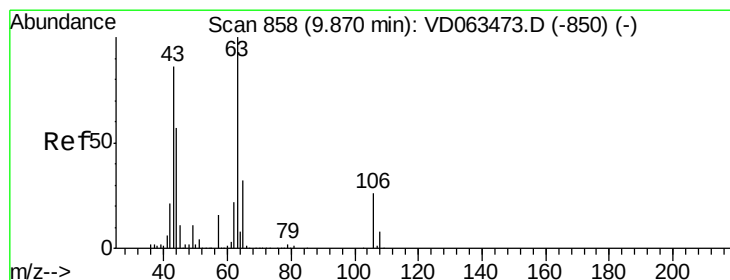
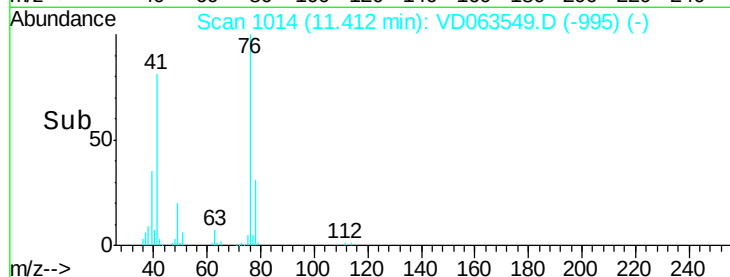
150000

100000

50000

0

Time--> 11.30 11.40 11.50



#58

2-Chloroethyl Vinyl ether

Concen: 257.196 ug/l

RT: 9.87 min Scan# 857

Delta R.T. -0.00 min

Lab File: VD063549.D

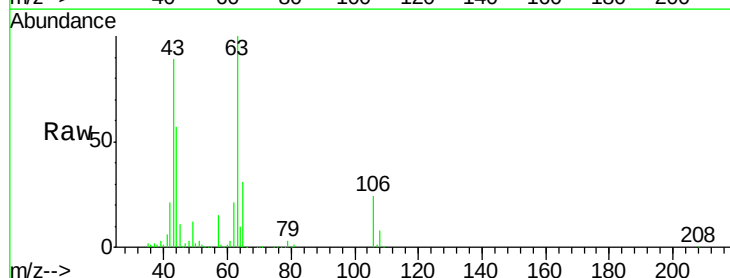
Acq: 14 Aug 2019 1:41

Tgt Ion: 63 Resp: 816218

Ion Ratio Lower Upper

63 100

106 24.2 20.8 31.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

9.87

400000

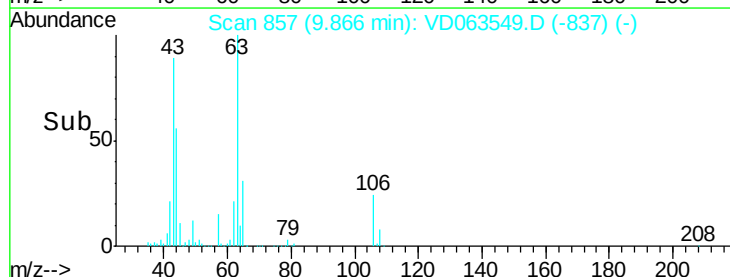
300000

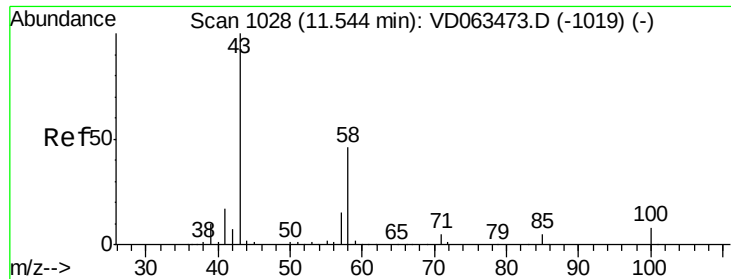
200000

100000

0

Time--> 9.70 9.80 9.90 10.00

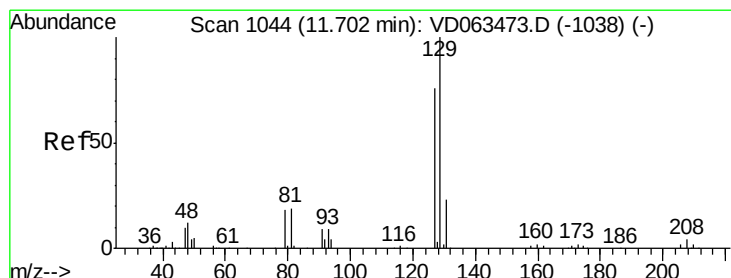
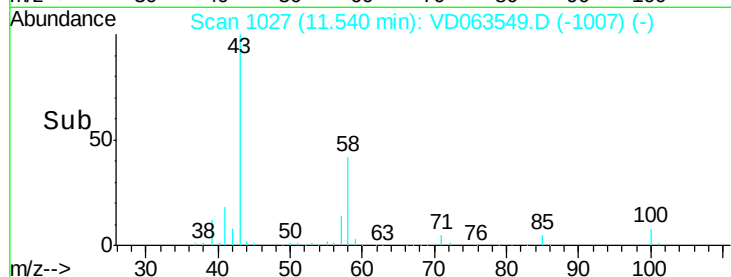
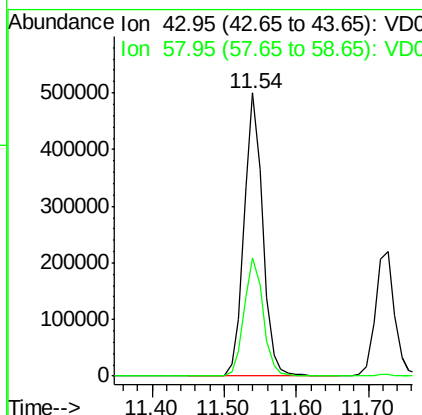
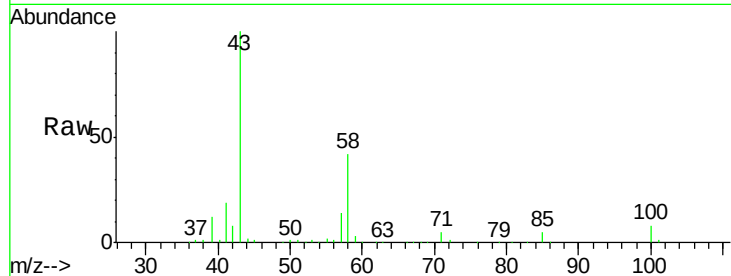




#59
2-Hexanone
Concen: 279.559 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. -0.00 min
Lab File: VD063549.D
Acq: 14 Aug 2019 1:41

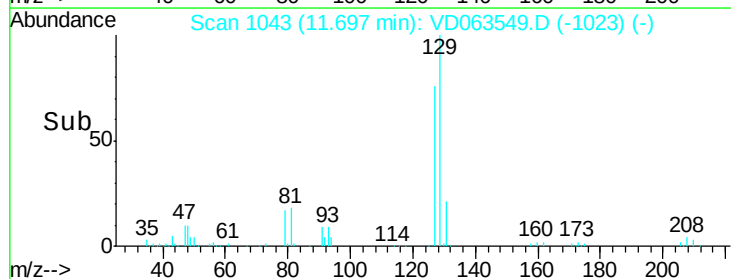
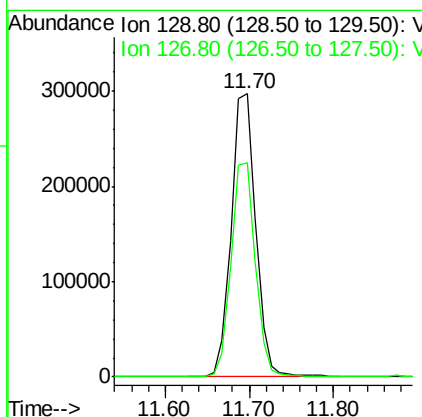
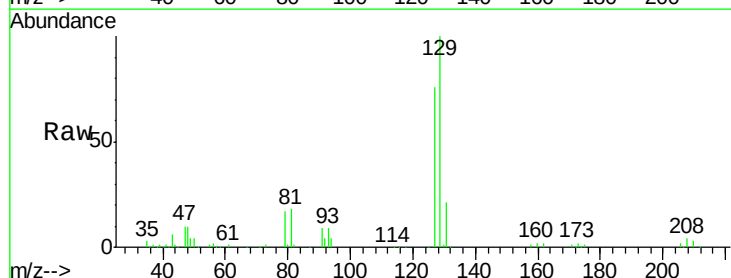
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

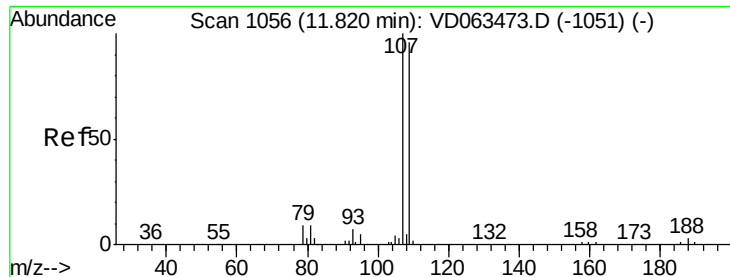
Tot Ion: 43 Resp: 903572
Ion Ratio Lower Upper
43 100
58 41.7 23.1 69.2



#60
Dibromochloromethane
Concen: 59.814 ug/l
RT: 11.70 min Scan# 1043
Delta R.T. -0.00 min
Lab File: VD063549.D
Acq: 14 Aug 2019 1:41

Tgt Ion: 129 Resp: 602795
Ion Ratio Lower Upper
129 100
127 75.7 37.8 113.4

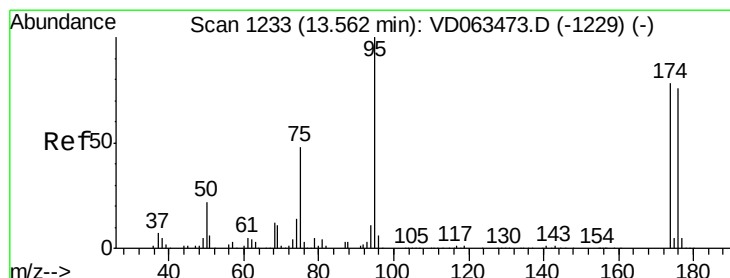
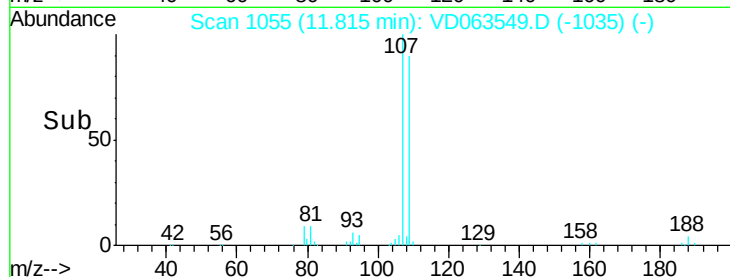
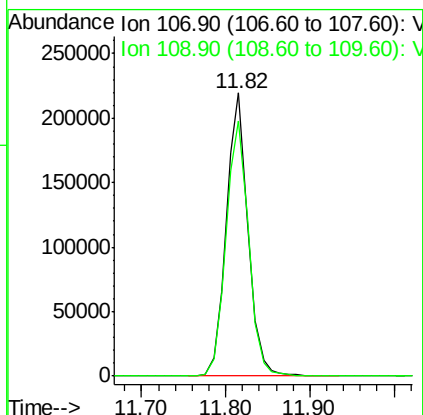
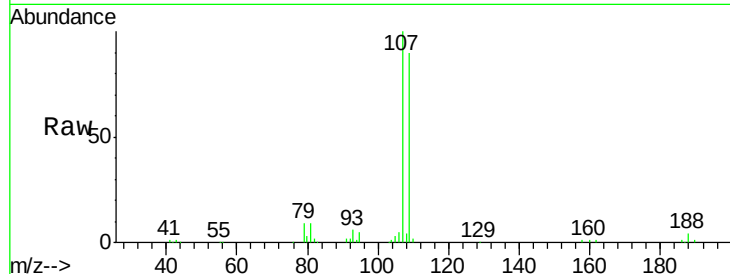




#61
 1,2-Dibromoethane
 Concen: 58.243 ug/l
 RT: 11.82 min Scan# 1055
 Delta R.T. -0.00 min
 Lab File: VD063549.D
 Acq: 14 Aug 2019 1:41

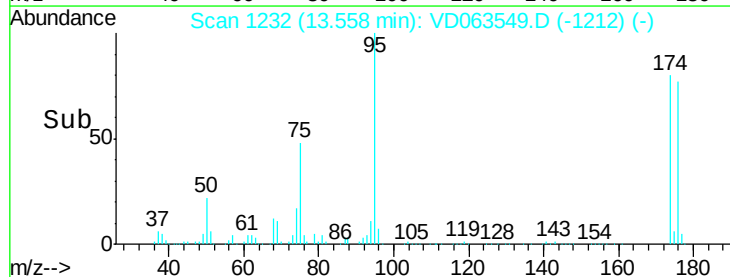
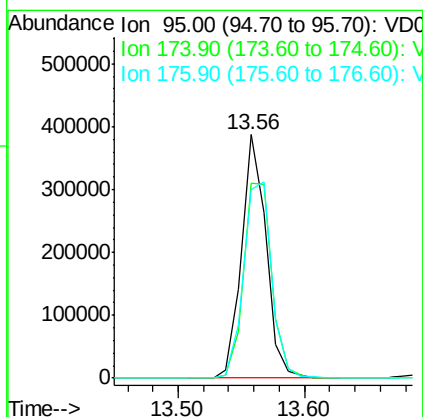
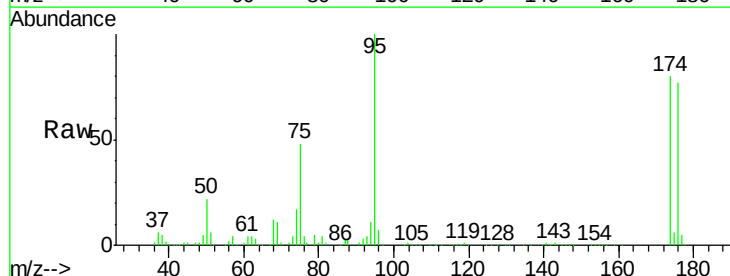
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

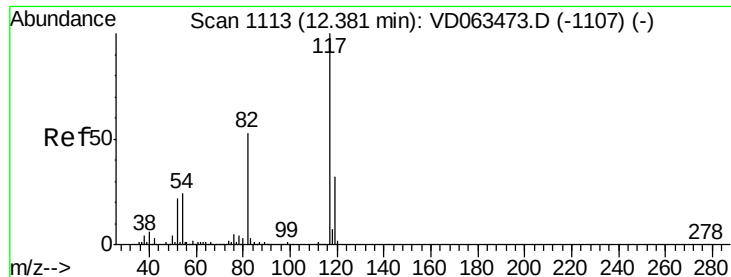
Tot Ion: 107 Resp: 390496
 Ion Ratio Lower Upper
 107 100
 109 90.1 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 47.307 ug/l
 RT: 13.56 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD063549.D
 Acq: 14 Aug 2019 1:41

Tgt Ion: 95 Resp: 519484
 Ion Ratio Lower Upper
 95 100
 174 80.3 0.0 155.4
 176 77.5 0.0 152.4

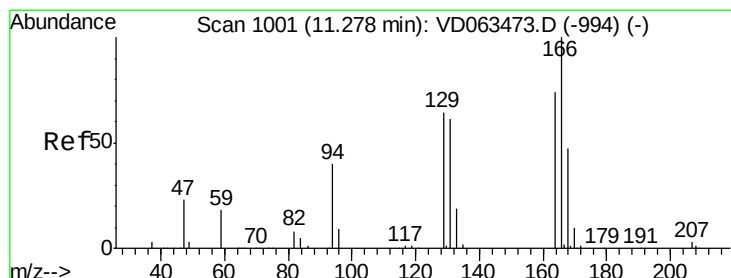
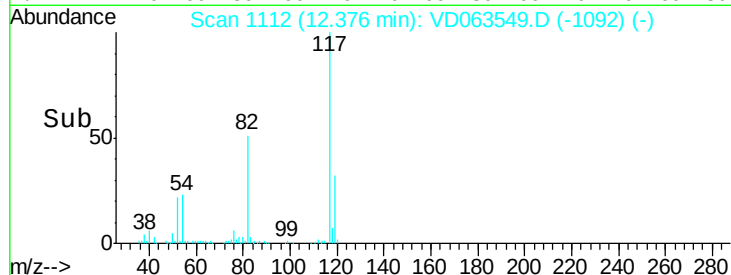
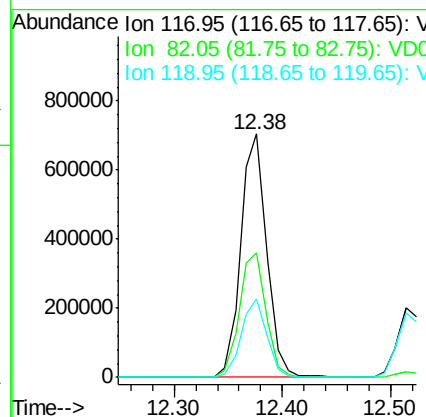
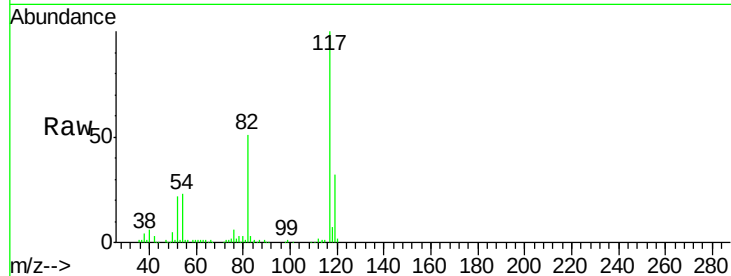




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD063549.D
Acq: 14 Aug 2019 1:41

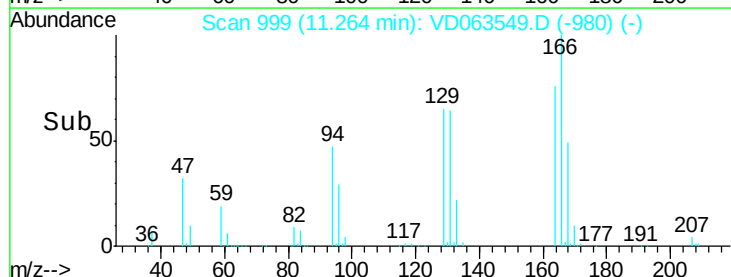
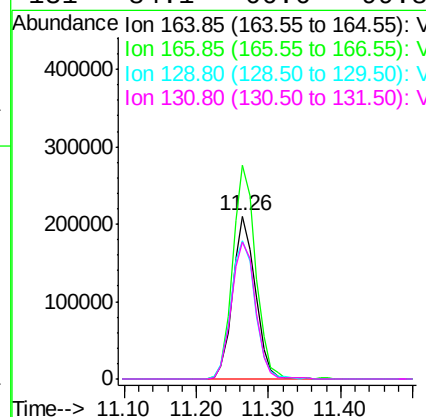
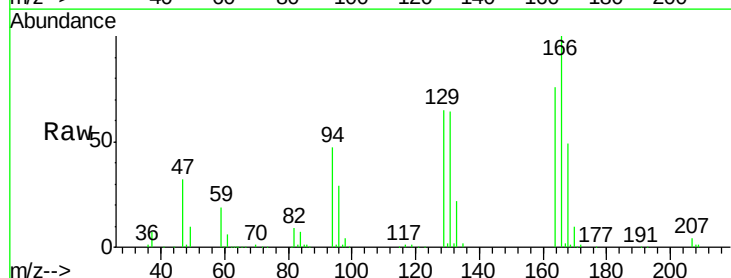
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

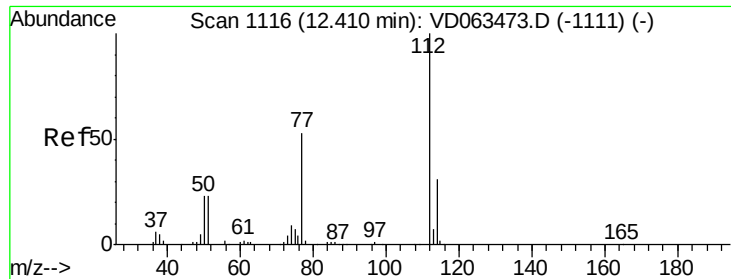
Tot Ion:117 Resp: 1167776
Ion Ratio Lower Upper
117 100
82 51.2 42.0 63.0
119 32.2 25.4 38.0



#64
Tetrachloroethene
Concen: 51.102 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.01 min
Lab File: VD063549.D
Acq: 14 Aug 2019 1:41

Tgt Ion:164 Resp: 460682
Ion Ratio Lower Upper
164 100
166 130.9 108.6 163.0
129 84.6 69.0 103.6
131 84.1 66.6 99.8

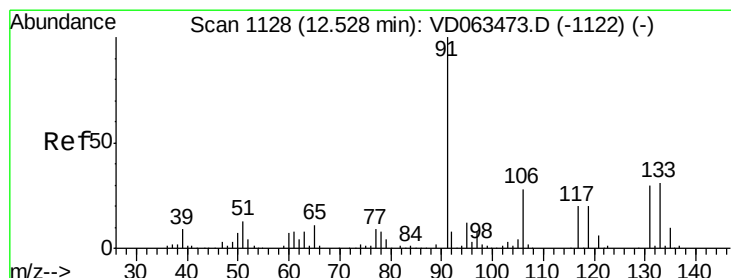
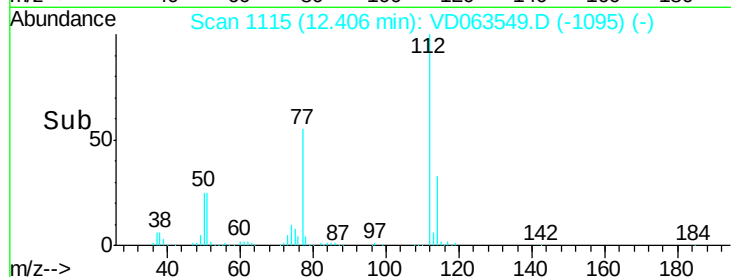
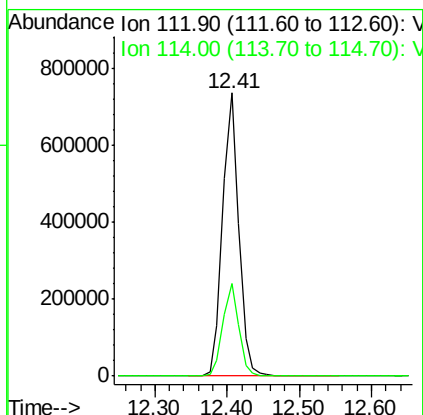
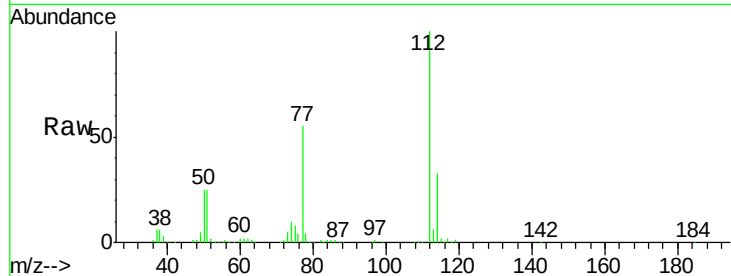




#65
Chlorobenzene
Concen: 52.138 ug/l
RT: 12.41 min Scan# 1115
Delta R.T. -0.00 min
Lab File: VD063549.D
Acq: 14 Aug 2019 1:41

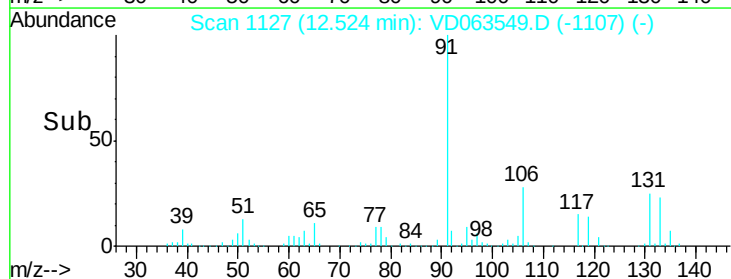
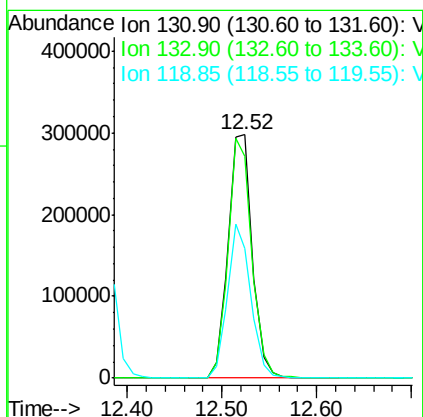
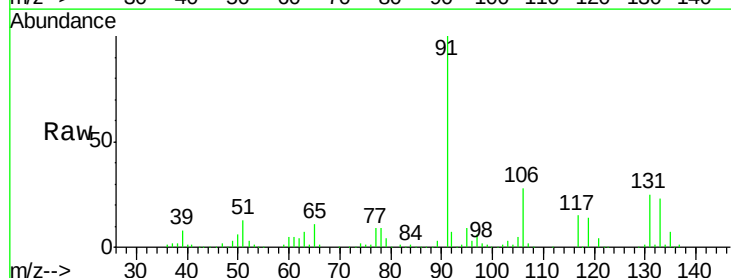
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

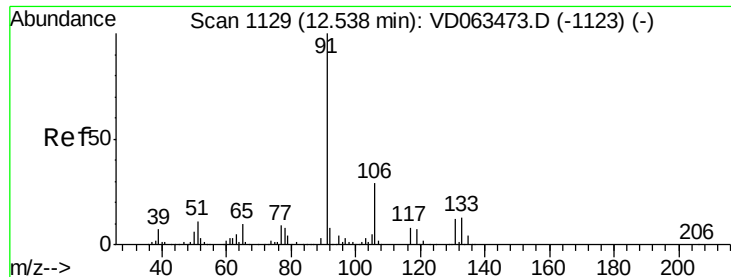
Tot Ion:112 Resp: 1141133
Ion Ratio Lower Upper
112 100
114 32.8 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 54.851 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VD063549.D
Acq: 14 Aug 2019 1:41

Tgt Ion:131 Resp: 528342
Ion Ratio Lower Upper
131 100
133 91.2 51.1 153.3
119 53.3 33.1 99.3

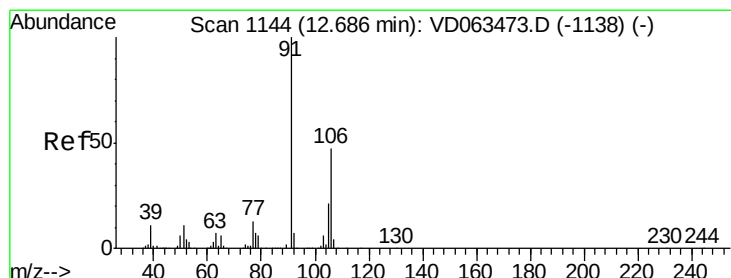
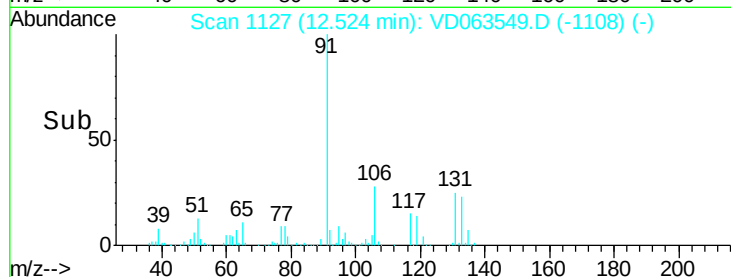
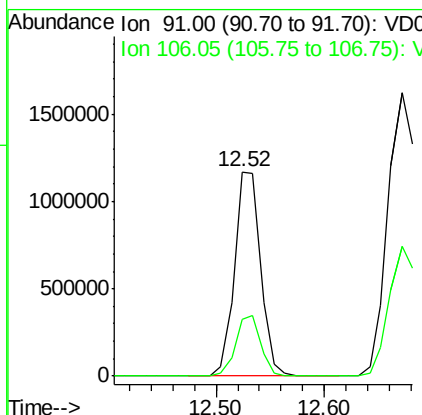
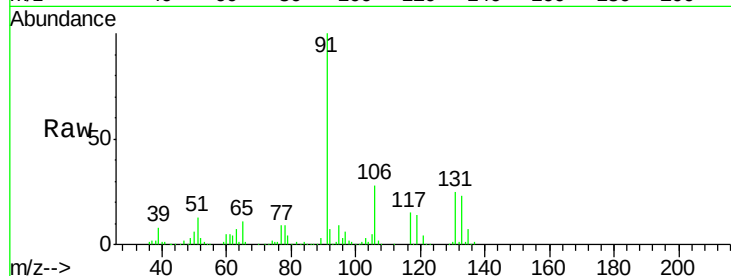




#67
Ethyl Benzene
Concen: 51.748 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD063549.D
Acq: 14 Aug 2019 1:41

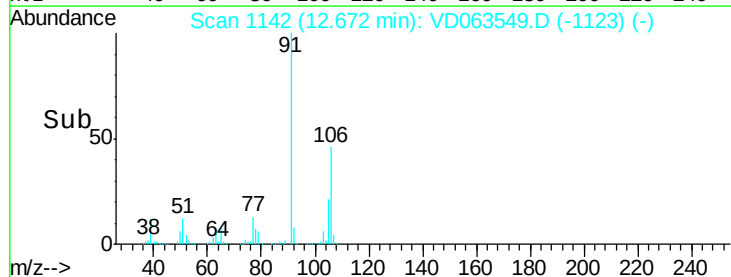
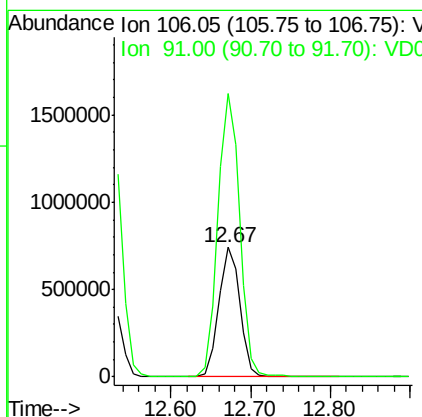
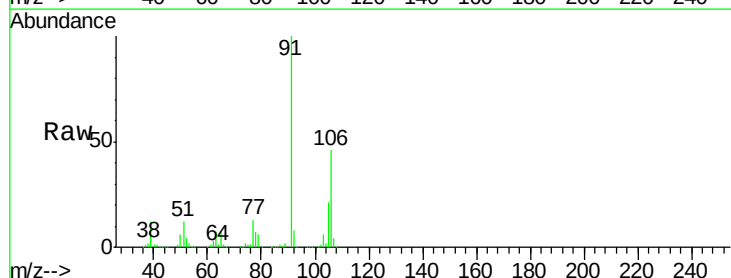
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

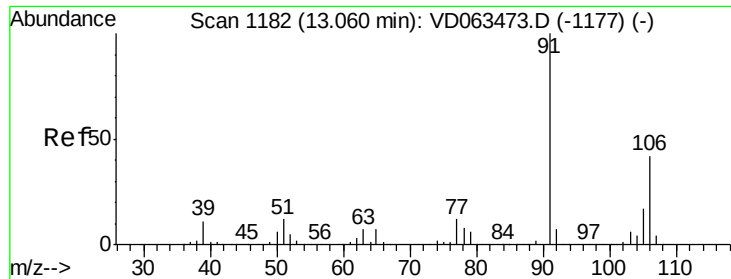
Tot Ion: 91 Resp: 1969317
Ion Ratio Lower Upper
91 100
106 27.9 23.1 34.7



#68
m/p-Xylenes
Concen: 104.443 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.01 min
Lab File: VD063549.D
Acq: 14 Aug 2019 1:41

Tgt Ion: 106 Resp: 1396426
Ion Ratio Lower Upper
106 100
91 218.5 171.8 257.8

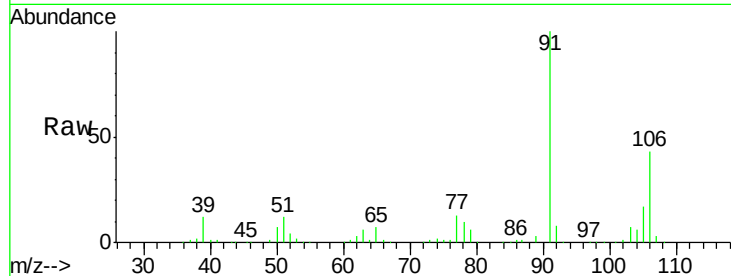




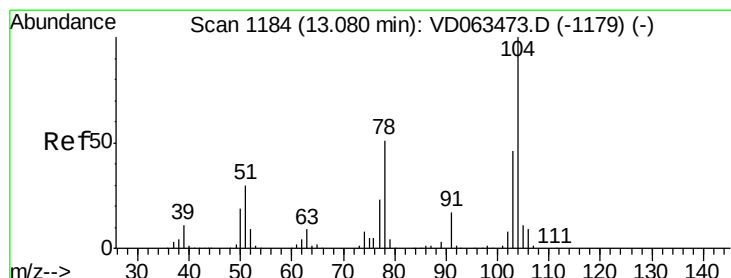
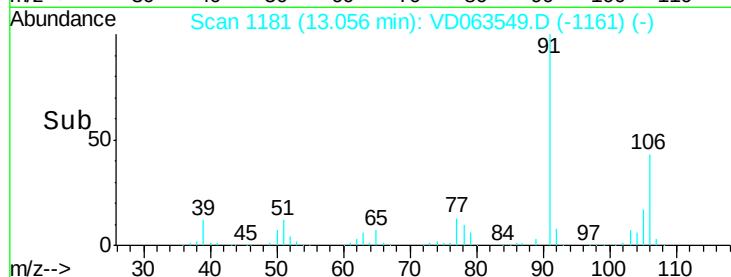
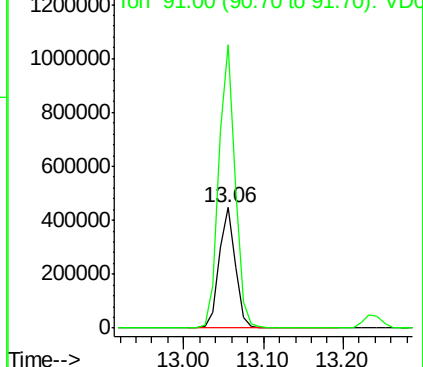
#69
o-Xylene
Concen: 50.474 ug/l
RT: 13.06 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD063549.D
Acq: 14 Aug 2019 1:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 649521
Ion Ratio Lower Upper
106 100
91 235.1 118.1 354.2

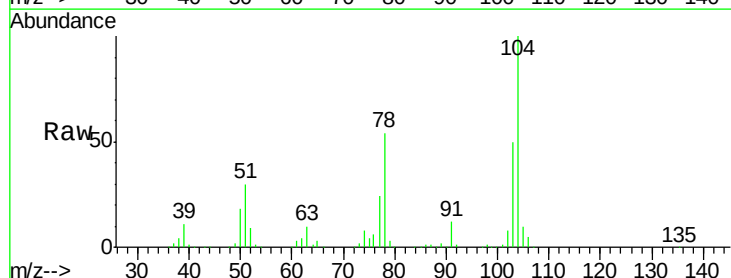


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

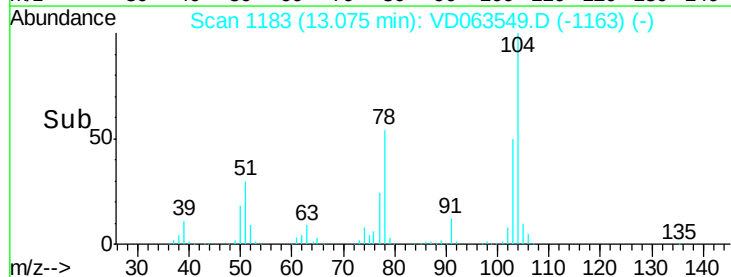
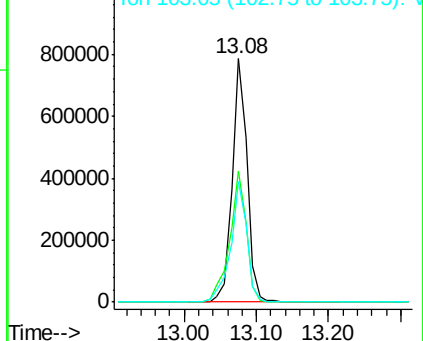


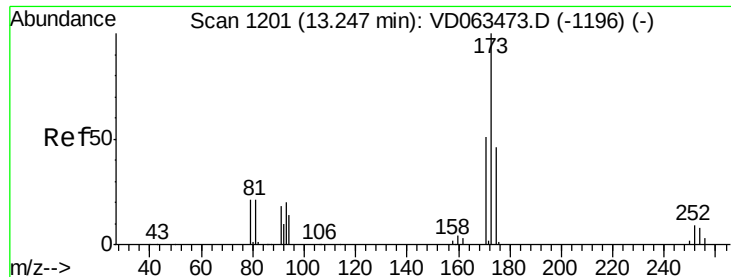
#70
Styrene
Concen: 49.423 ug/l
RT: 13.08 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD063549.D
Acq: 14 Aug 2019 1:41

Tgt Ion:104 Resp: 1131288
Ion Ratio Lower Upper
104 100
78 54.0 40.8 61.2
103 49.7 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: 55.718 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VD063549.D

Acq: 14 Aug 2019 1:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

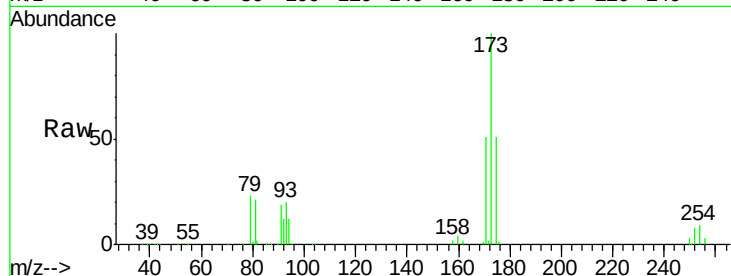
Tot Ion:173 Resp: 368004

Ion Ratio Lower Upper

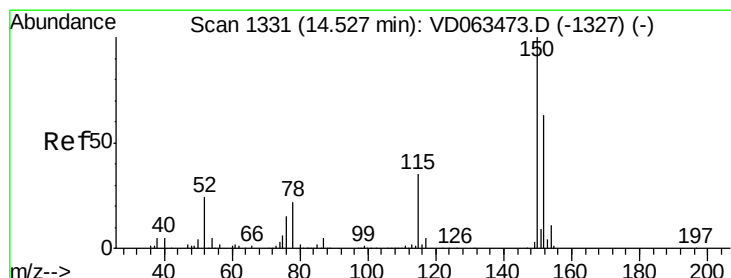
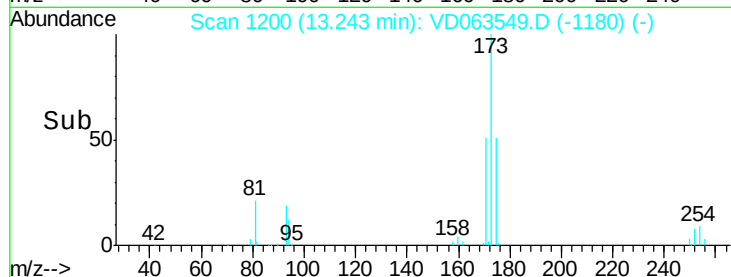
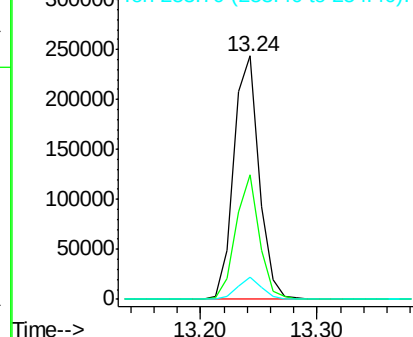
173 100

175 51.4 22.8 68.3

254 9.0 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. -0.00 min

Lab File: VD063549.D

Acq: 14 Aug 2019 1:41

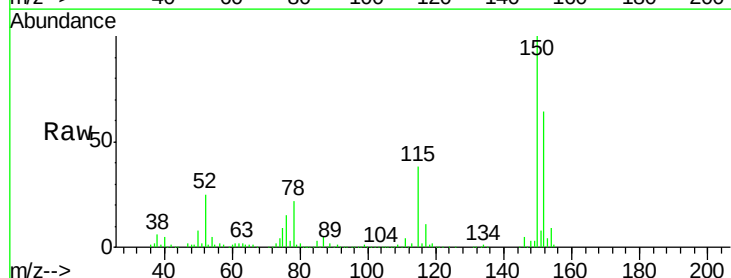
Tgt Ion:152 Resp: 597604

Ion Ratio Lower Upper

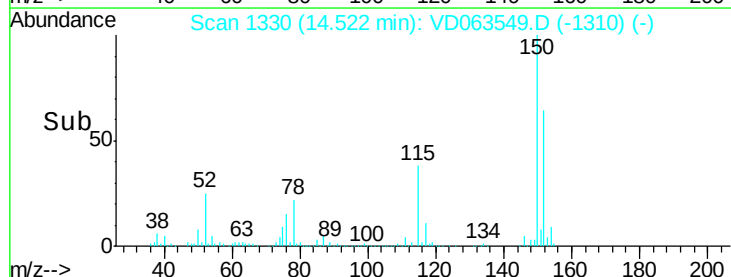
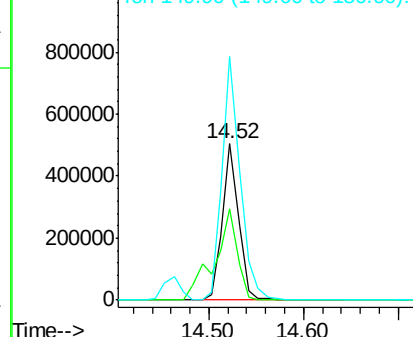
152 100

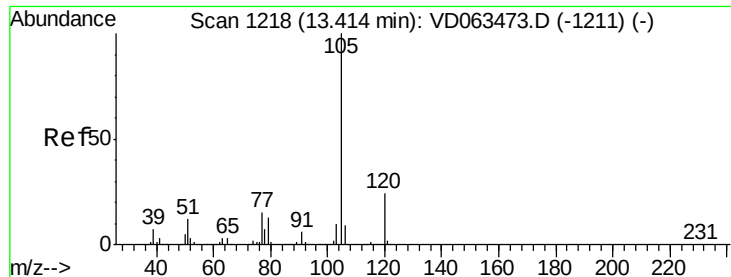
115 58.8 30.9 92.7

150 155.7 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: 54.730 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VD063549.D

Acq: 14 Aug 2019 1:41

Instrument :

MSVOA_D

ClientSampleId :

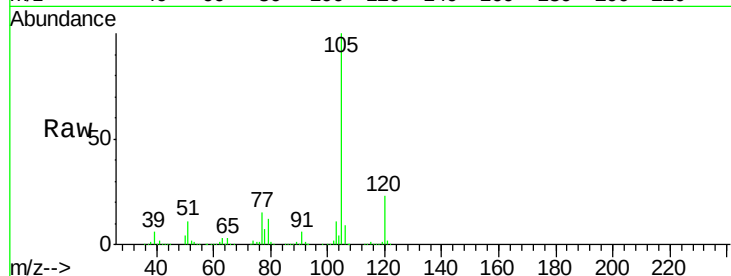
VSTDCCC050

Tot Ion:105 Resp: 2080344

Ion Ratio Lower Upper

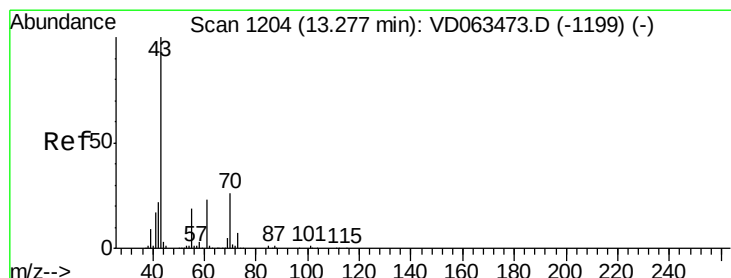
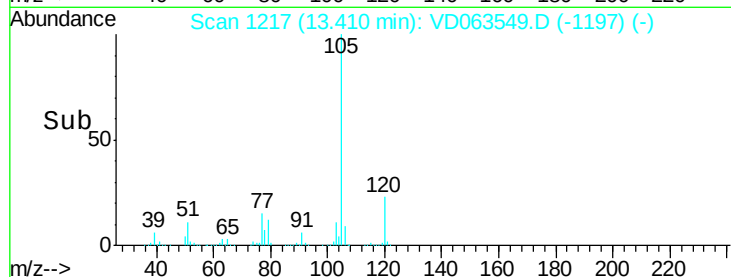
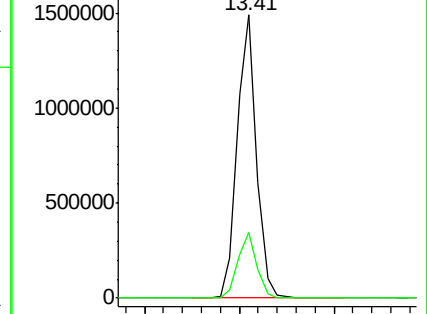
105 100

120 23.1 11.9 35.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 57.739 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD063549.D

Acq: 14 Aug 2019 1:41

Tgt Ion: 43 Resp: 550936

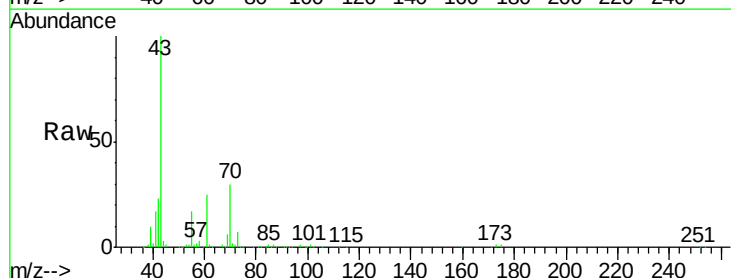
Ion Ratio Lower Upper

43 100

70 29.5 21.1 31.7

55 17.5 15.4 23.0

61 24.7 18.2 27.2

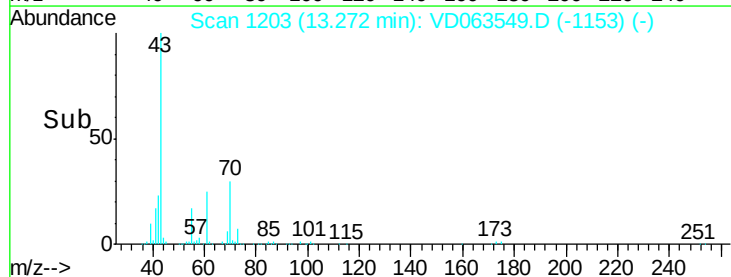
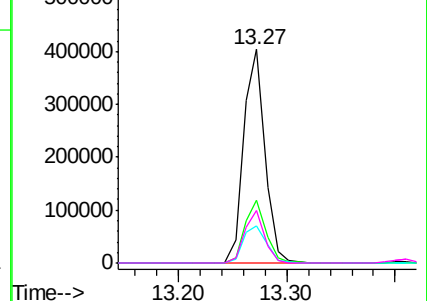


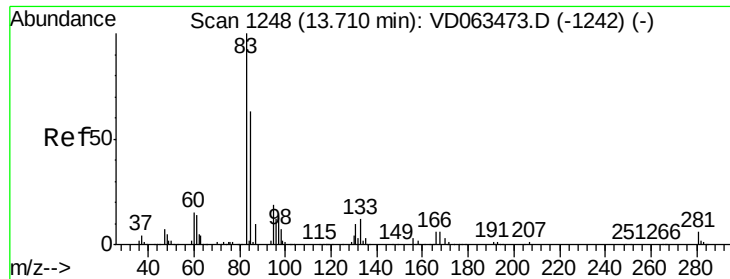
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 56.749 ug/l

RT: 13.71 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD063549.D

Acq: 14 Aug 2019 1:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

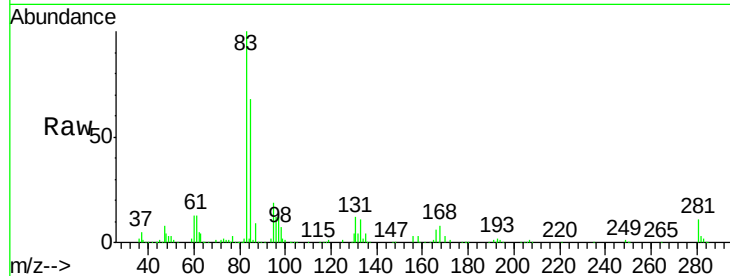
Tot Ion: 83 Resp: 358038

Ion Ratio Lower Upper

83 100

131 12.0 5.3 15.8

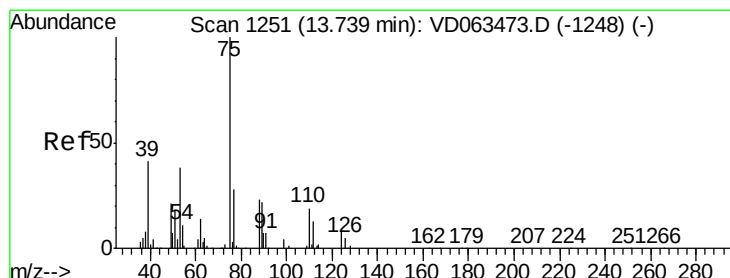
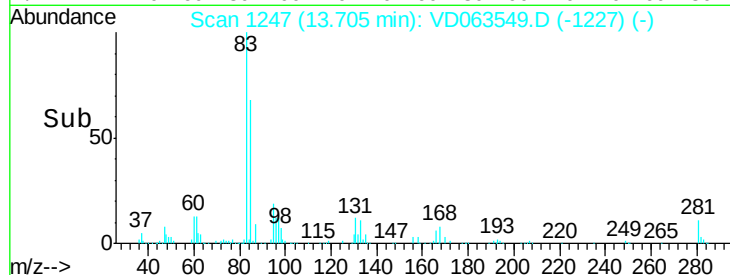
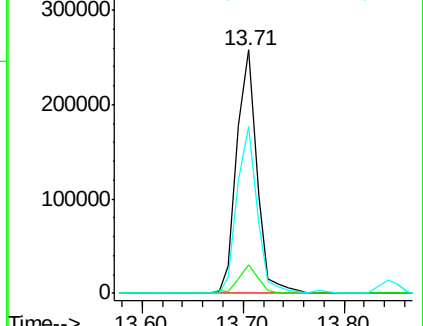
85 68.3 31.4 94.3



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: 53.982 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD063549.D

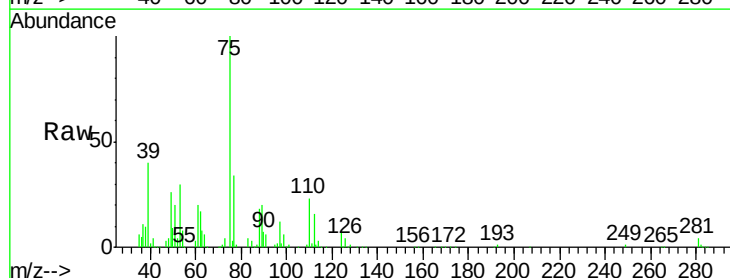
Acq: 14 Aug 2019 1:41

Tgt Ion: 75 Resp: 370236

Ion Ratio Lower Upper

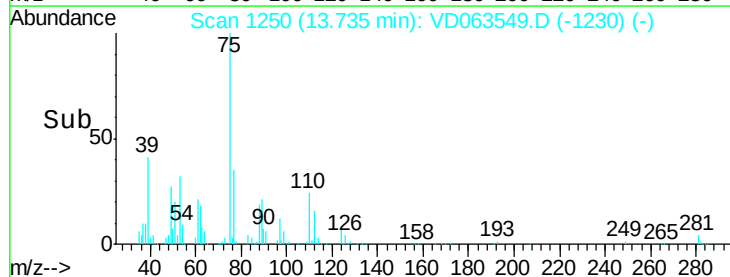
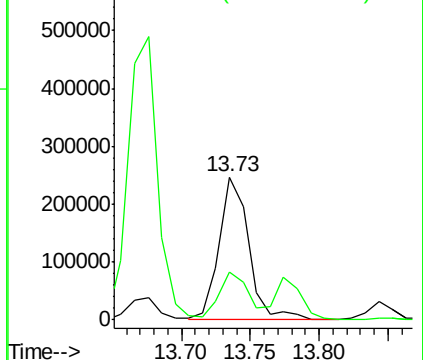
75 100

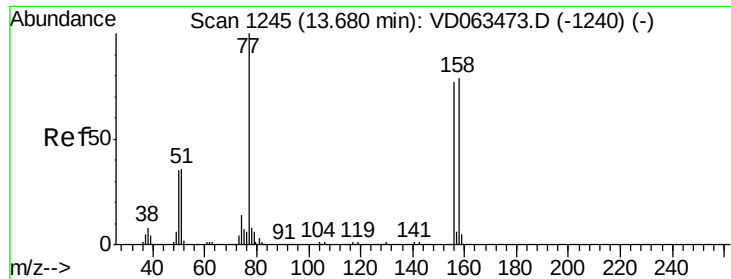
77 33.8 15.1 45.3



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 55.214 ug/l

RT: 13.68 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD063549.D

Acq: 14 Aug 2019 1:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

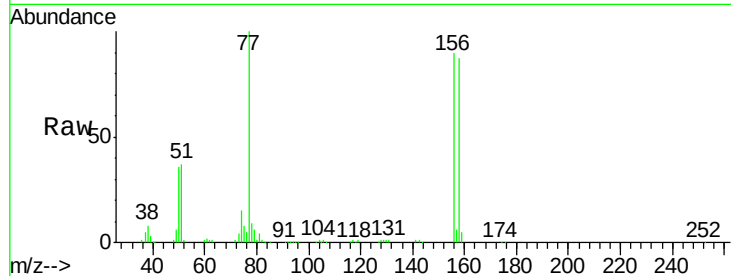
Tot Ion:156 Resp: 573589

Ion Ratio Lower Upper

156 100

77 111.2 64.6 193.8

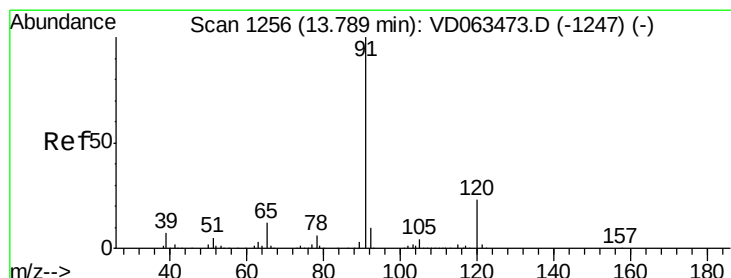
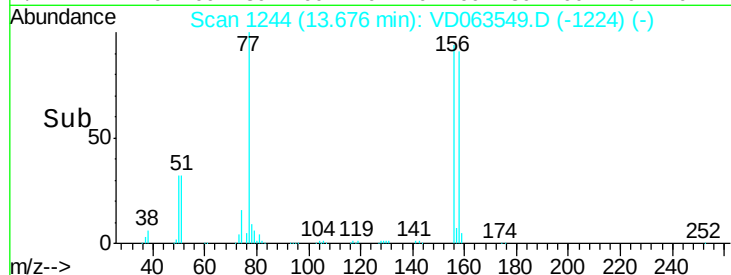
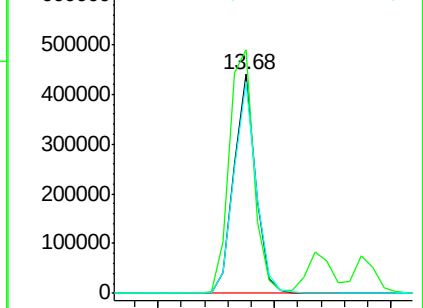
158 96.5 50.9 152.7



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 52.507 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VD063549.D

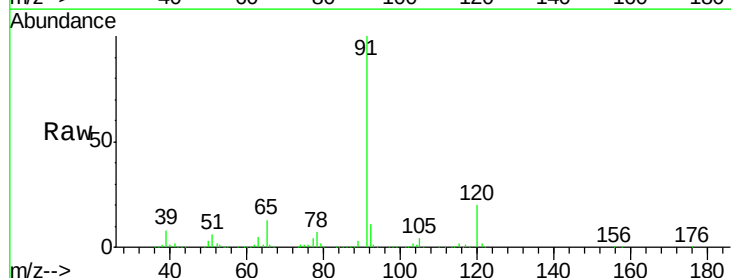
Acq: 14 Aug 2019 1:41

Tgt Ion: 91 Resp: 2335203

Ion Ratio Lower Upper

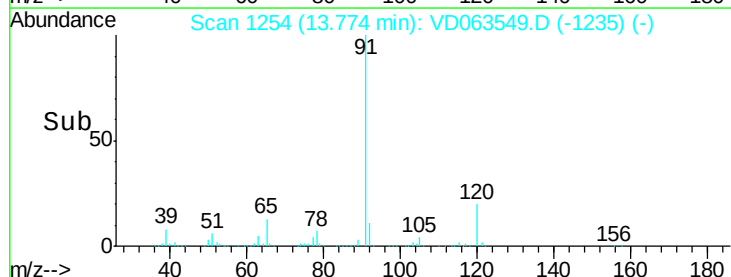
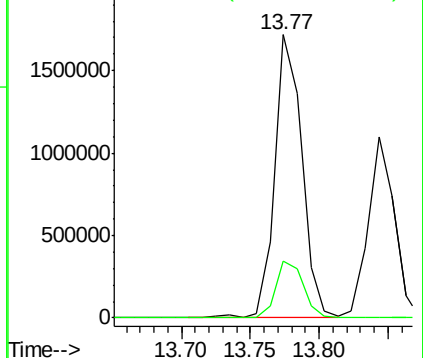
91 100

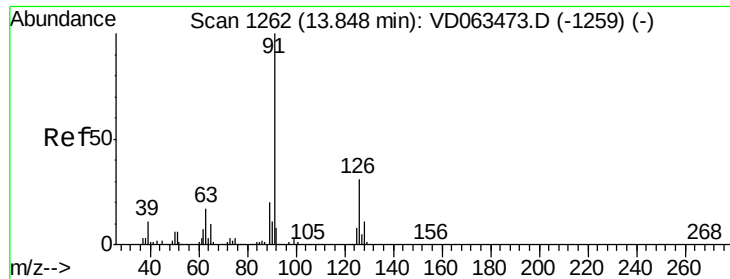
120 19.9 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

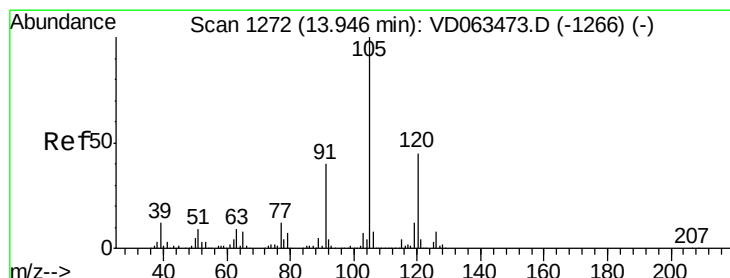
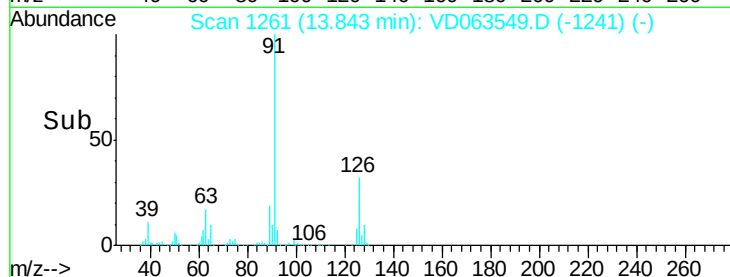
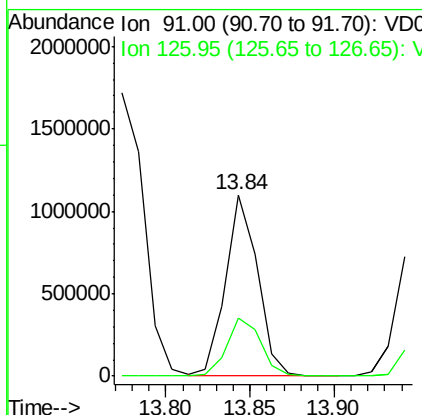
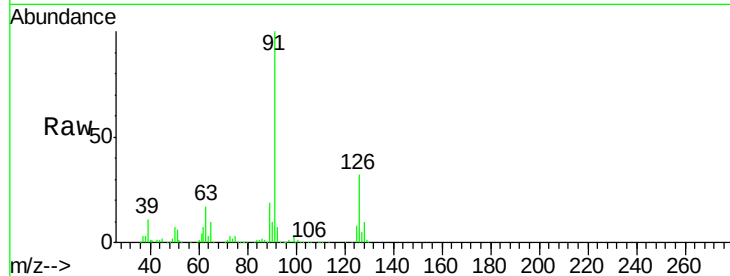




#79
 2-Chlorotoluene
 Concen: 56.378 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VD063549.D
 Acq: 14 Aug 2019 1:41

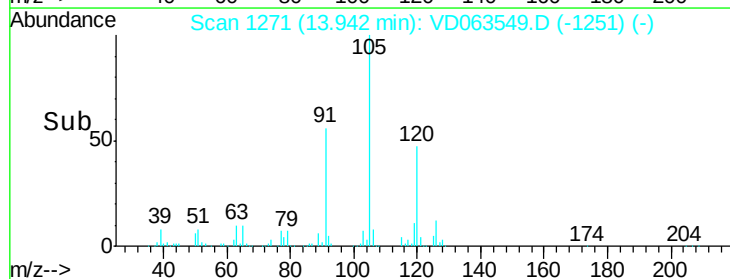
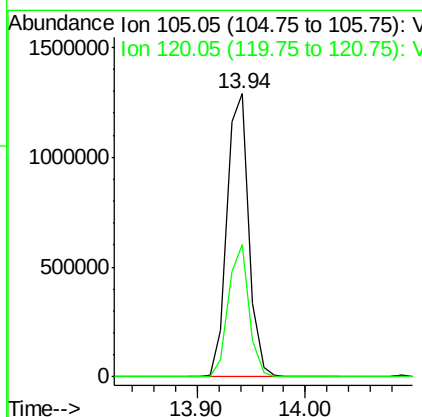
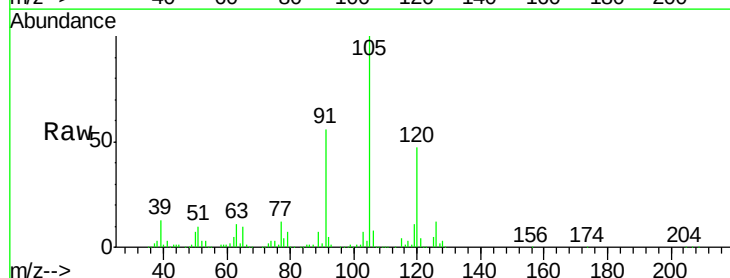
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

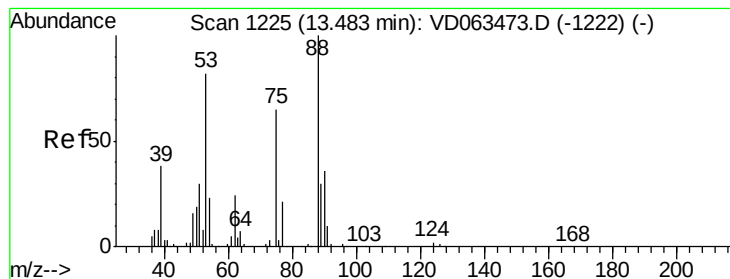
Tot Ion: 91 Resp: 1445699
 Ion Ratio Lower Upper
 91 100
 126 32.1 15.6 46.7



#80
 1,3,5-Trimethylbenzene
 Concen: 54.367 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VD063549.D
 Acq: 14 Aug 2019 1:41

Tgt Ion: 105 Resp: 1805614
 Ion Ratio Lower Upper
 105 100
 120 46.9 22.8 68.3





#81

trans-1,4-Dichloro-2-butene

Concen: 53.838 ug/l

RT: 13.48 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VD063549.D

Acq: 14 Aug 2019 1:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

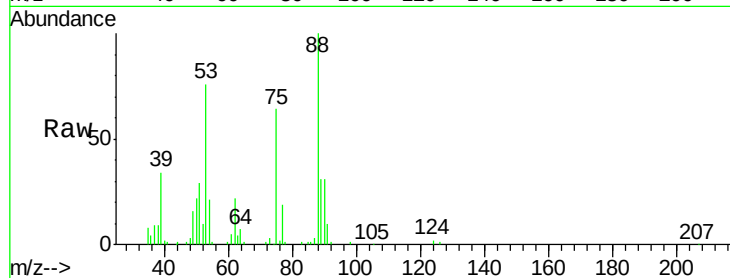
Tot Ion: 75 Resp: 99244

Ion Ratio Lower Upper

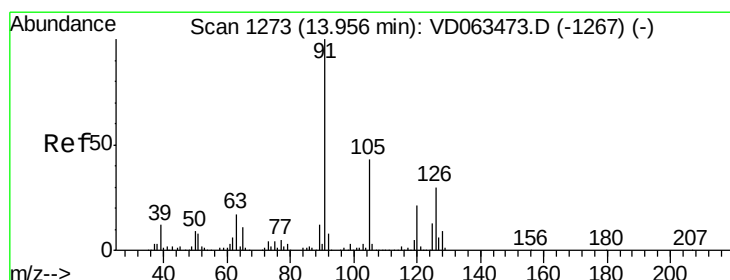
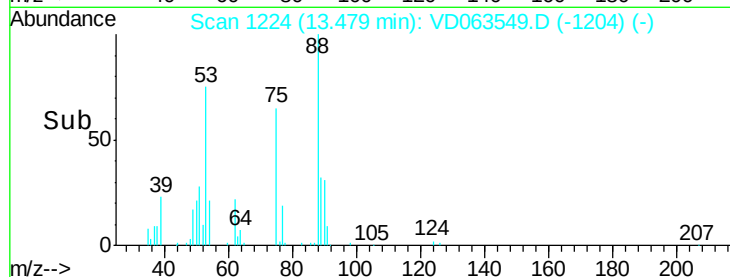
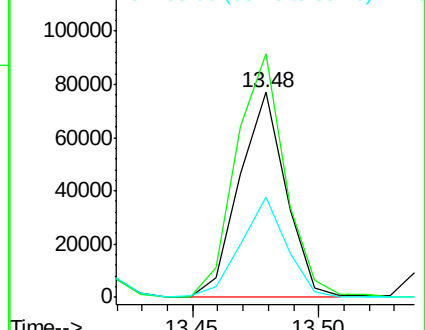
75 100

53 118.8 101.0 151.4

89 48.8 37.0 55.6



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



#82

4-Chlorotoluene

Concen: 53.749 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VD063549.D

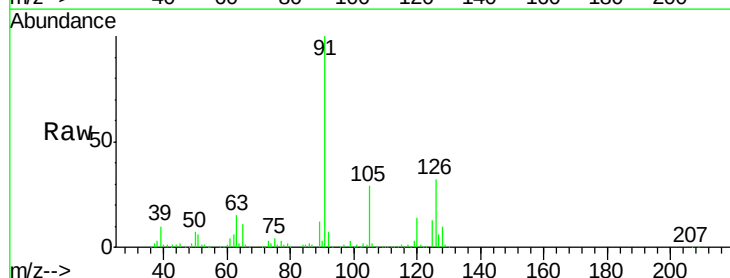
Acq: 14 Aug 2019 1:41

Tgt Ion: 91 Resp: 1657386

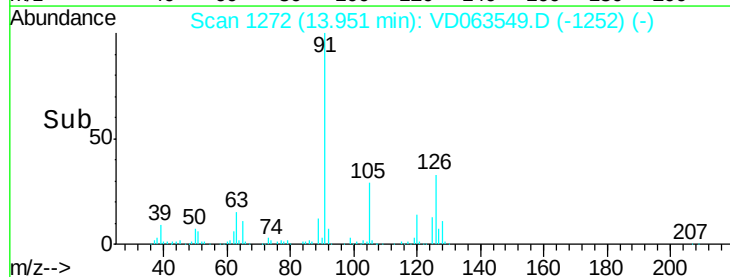
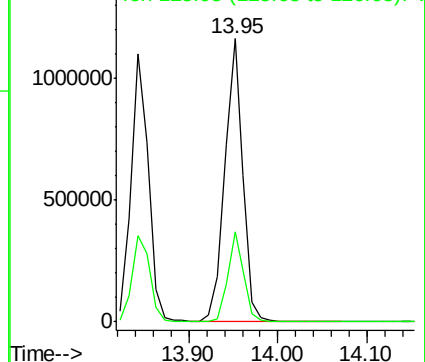
Ion Ratio Lower Upper

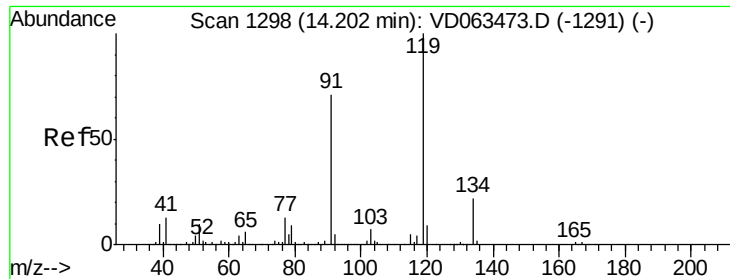
91 100

126 31.9 15.2 45.6



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





#83

tert-Butylbenzene

Concen: 55.480 ug/l

RT: 14.20 min Scan# 1297

Delta R.T. -0.00 min

Lab File: VD063549.D

Acq: 14 Aug 2019 1:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

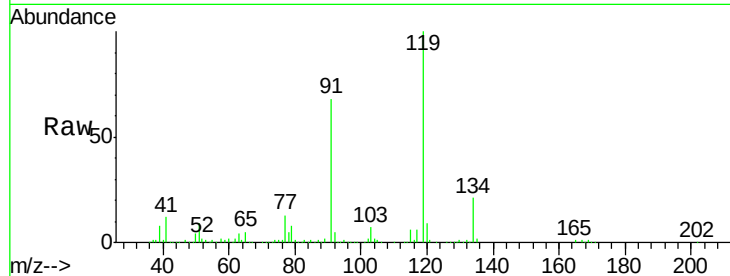
Tot Ion:119 Resp: 1940291

Ion Ratio Lower Upper

119 100

91 68.5 35.5 106.7

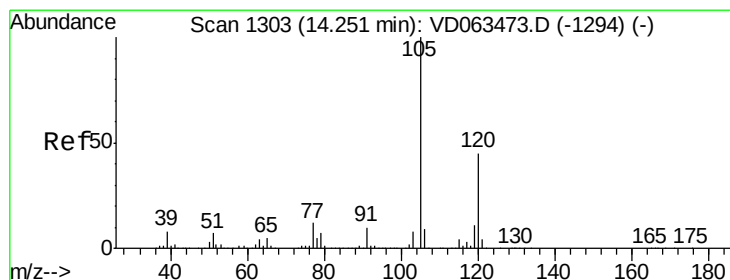
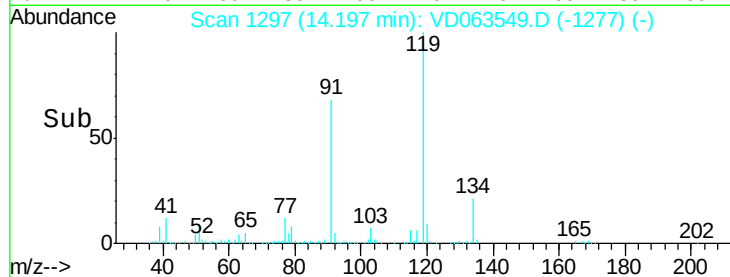
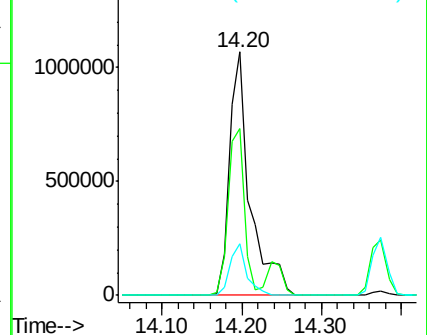
134 21.0 11.1 33.1



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: 58.692 ug/l

RT: 14.24 min Scan# 1301

Delta R.T. -0.01 min

Lab File: VD063549.D

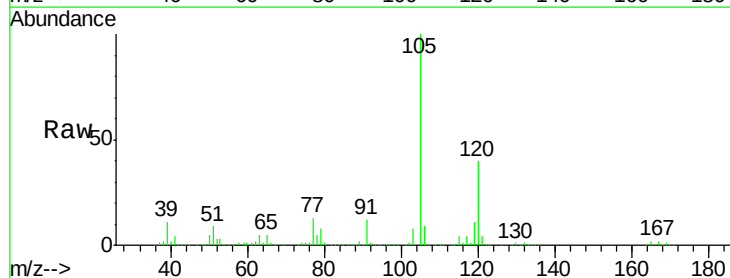
Acq: 14 Aug 2019 1:41

Tgt Ion:105 Resp: 1803564

Ion Ratio Lower Upper

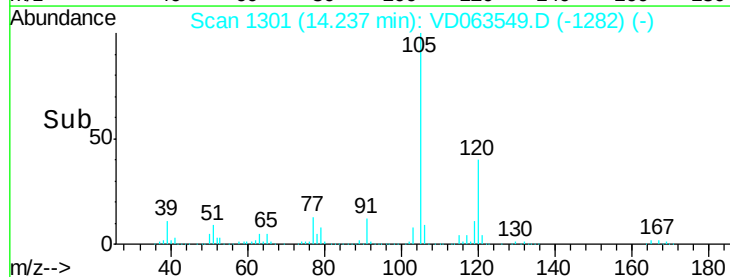
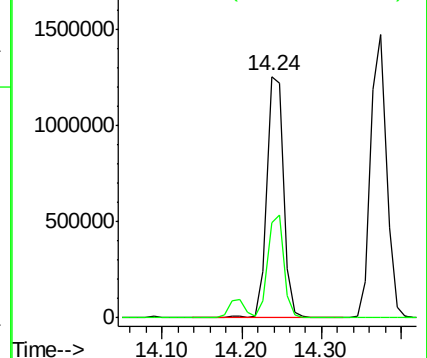
105 100

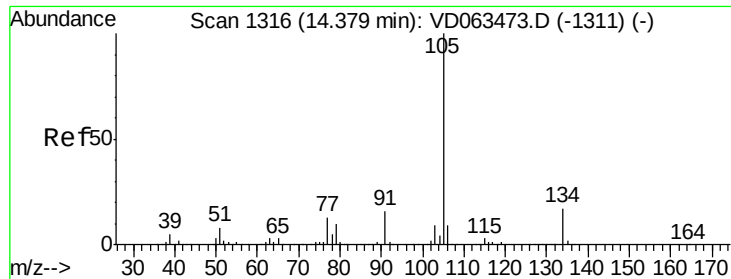
120 39.6 22.7 68.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

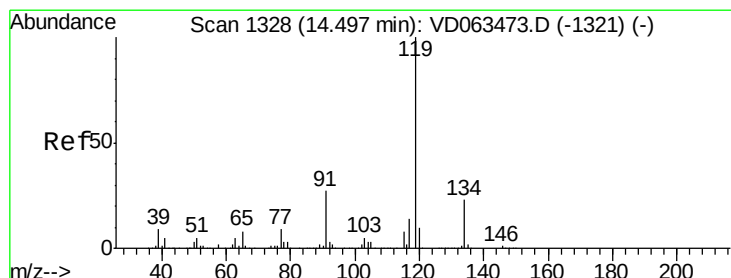
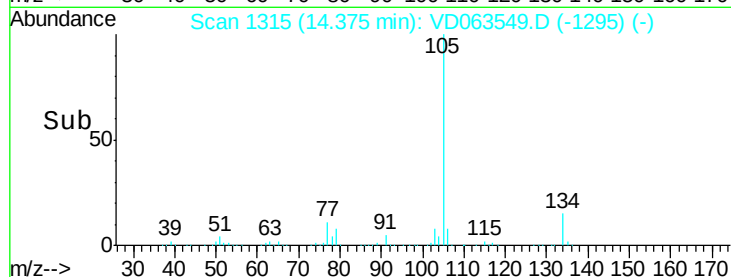
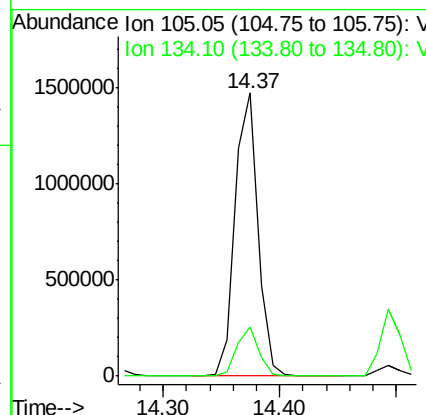
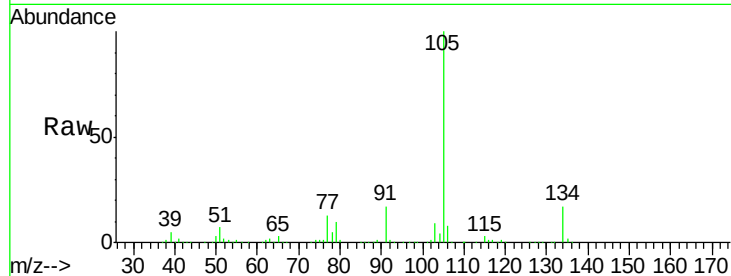




#85
 sec-Butylbenzene
 Concen: 53.995 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VD063549.D
 Acq: 14 Aug 2019 1:41

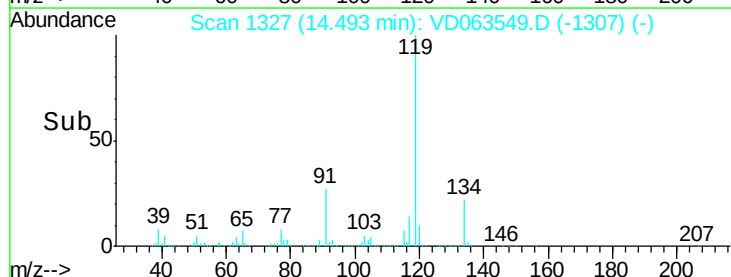
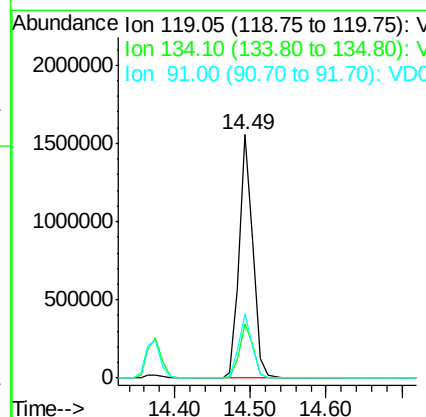
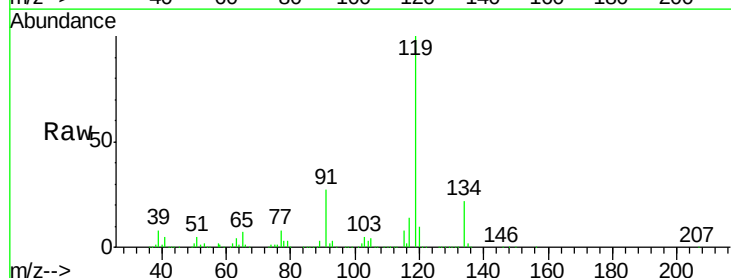
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

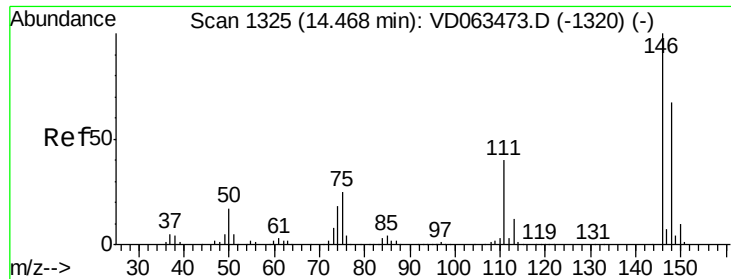
Tot Ion:105 Resp: 2005410
 Ion Ratio Lower Upper
 105 100
 134 17.2 8.3 24.8



#86
 p-Isopropyltoluene
 Concen: 53.177 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.00 min
 Lab File: VD063549.D
 Acq: 14 Aug 2019 1:41

Tgt Ion:119 Resp: 1888396
 Ion Ratio Lower Upper
 119 100
 134 22.4 11.3 33.8
 91 26.7 13.5 40.4

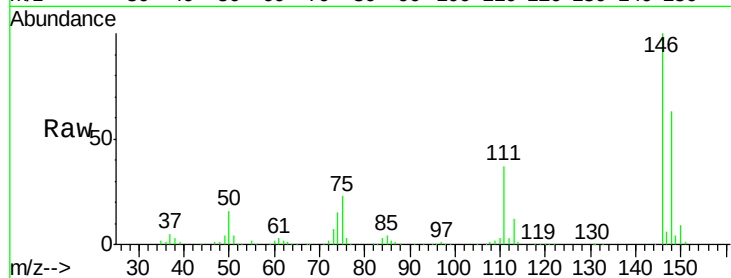




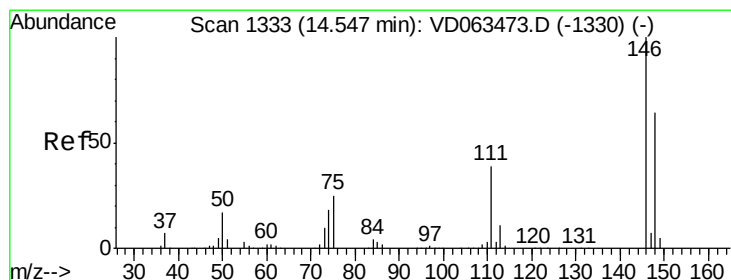
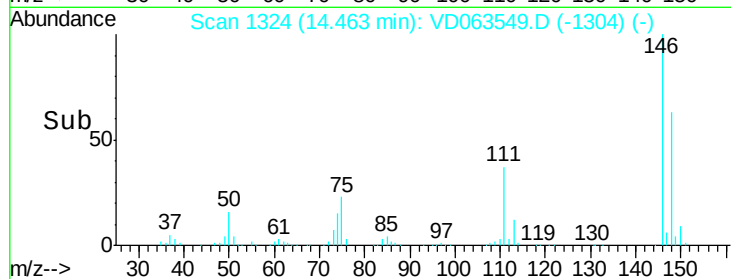
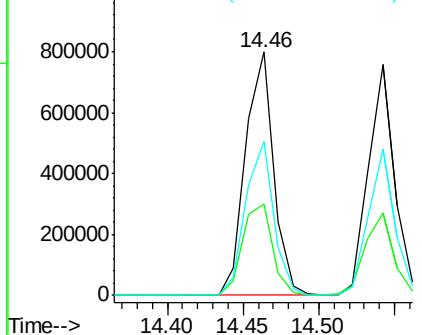
#87
 1,3-Dichlorobenzene
 Concen: 55.260 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VD063549.D
 Acq: 14 Aug 2019 1:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 1038386
 Ion Ratio Lower Upper
 146 100
 111 37.4 20.0 60.0
 148 63.3 33.6 100.6

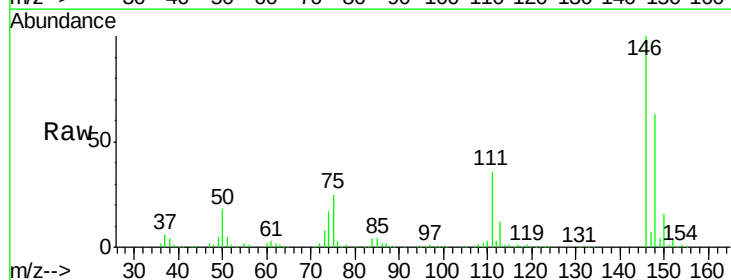


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

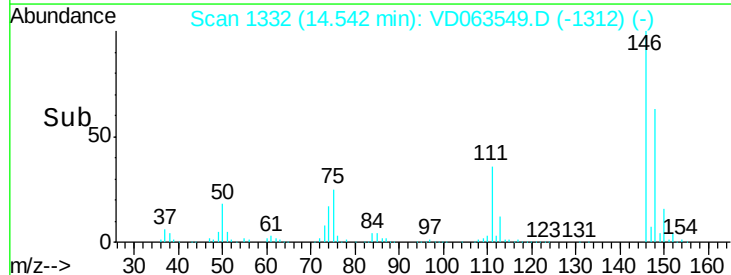
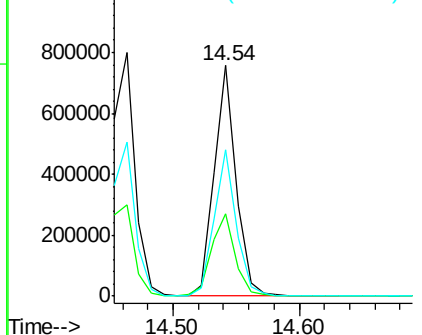


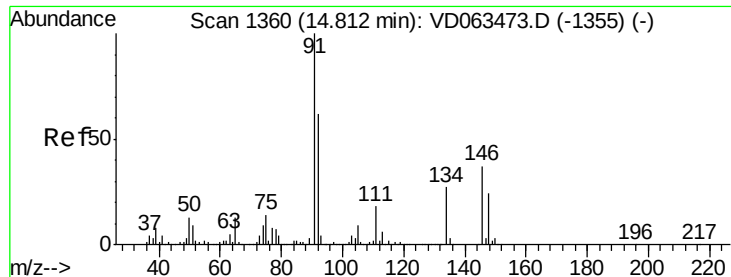
#88
 1,4-Dichlorobenzene
 Concen: 51.002 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD063549.D
 Acq: 14 Aug 2019 1:41

Tgt Ion:146 Resp: 919479
 Ion Ratio Lower Upper
 146 100
 111 36.0 19.7 59.0
 148 63.5 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: 51.768 ug/l

RT: 14.80 min Scan# 1358

Delta R.T. -0.01 min

Lab File: VD063549.D

Acq: 14 Aug 2019 1:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

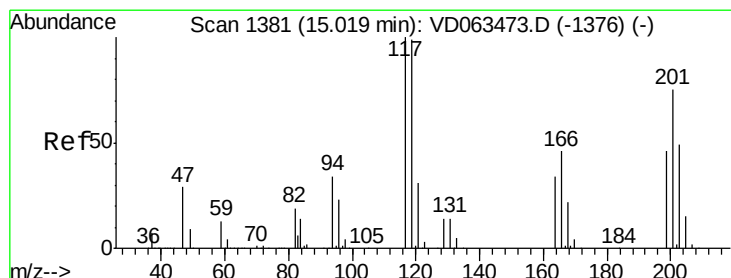
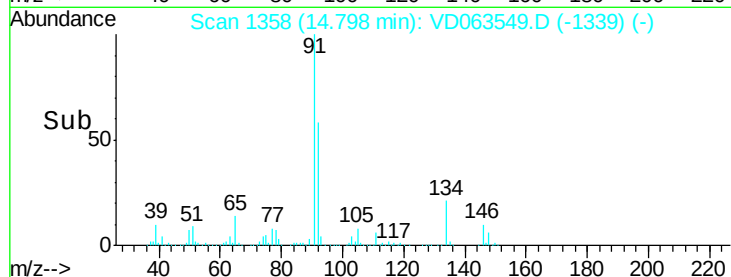
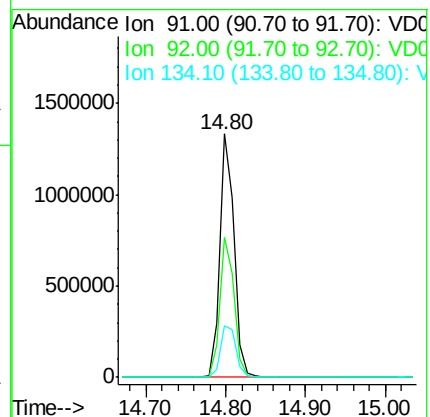
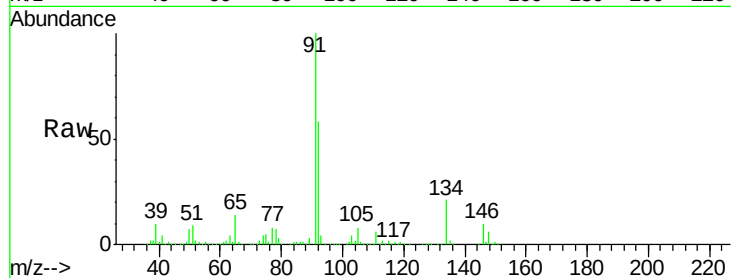
Tot Ion: 91 Resp: 1677846

Ion Ratio Lower Upper

91 100

92 57.6 30.8 92.3

134 21.0 13.4 40.2



#90

Hexachloroethane

Concen: 58.979 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VD063549.D

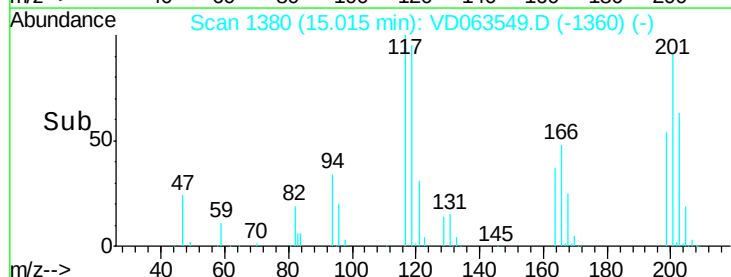
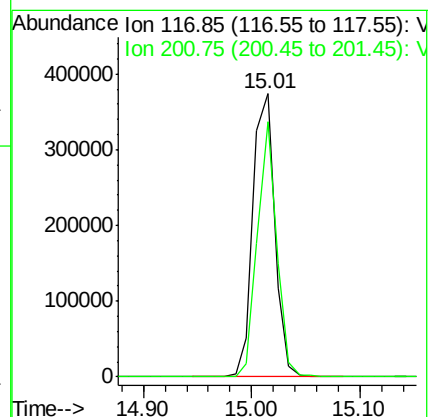
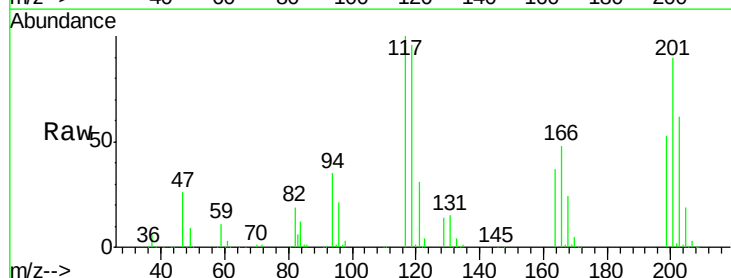
Acq: 14 Aug 2019 1:41

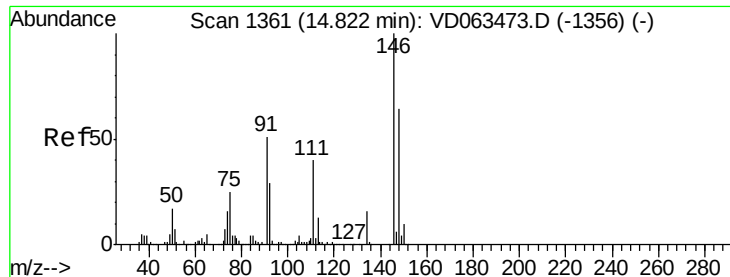
Tgt Ion: 117 Resp: 526434

Ion Ratio Lower Upper

117 100

201 90.0 37.5 112.5

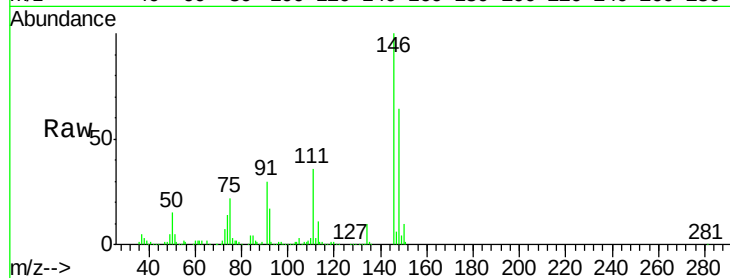




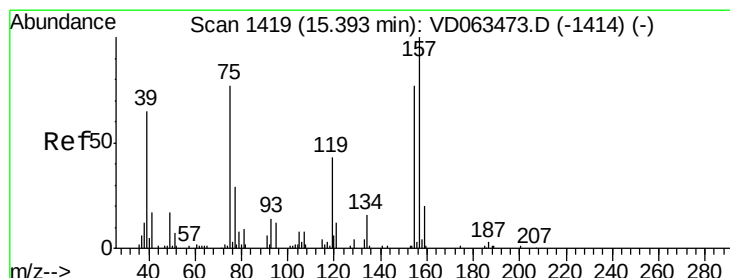
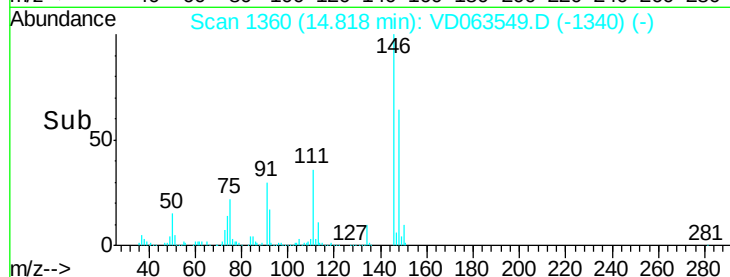
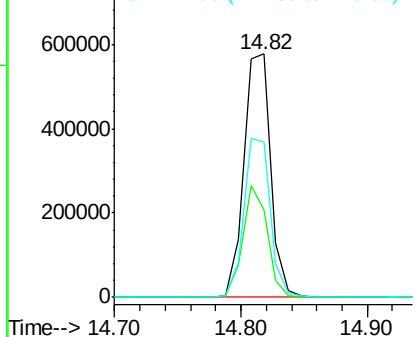
#91
 1,2-Dichlorobenzene
 Concen: 53.339 ug/l
 RT: 14.82 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: VD063549.D
 Acq: 14 Aug 2019 1:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.8	20.2	60.6
148	63.7	32.1	96.5

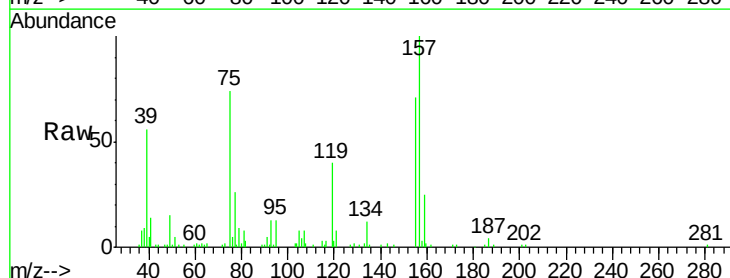


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

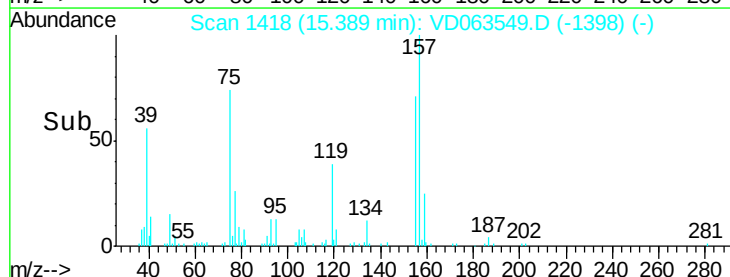
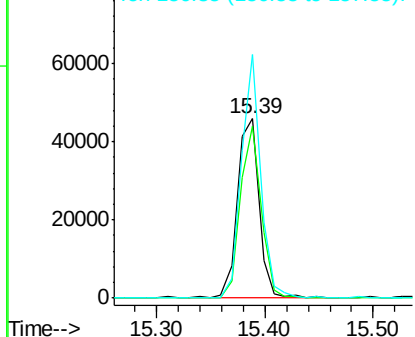


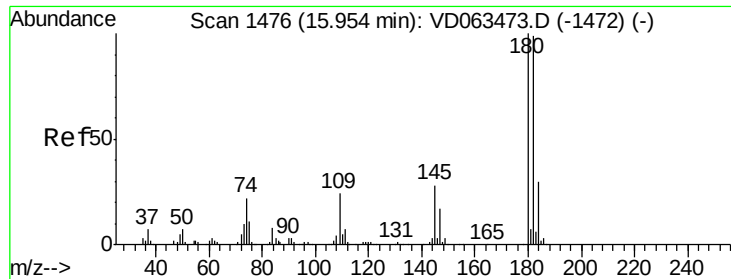
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.919 ug/l
 RT: 15.39 min Scan# 1418
 Delta R.T. -0.00 min
 Lab File: VD063549.D
 Acq: 14 Aug 2019 1:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.8	50.1	150.3
157	135.6	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

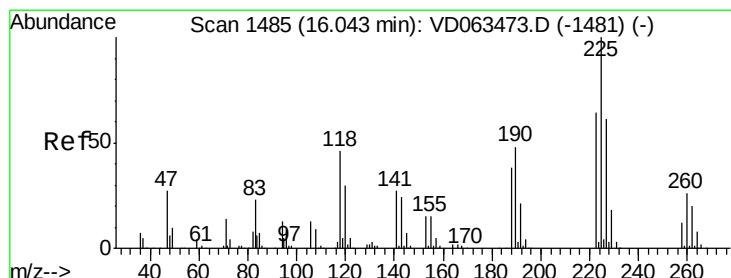
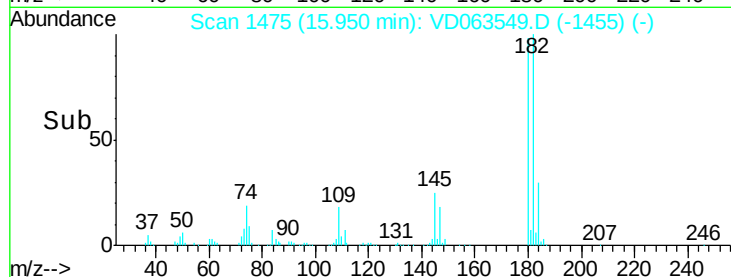
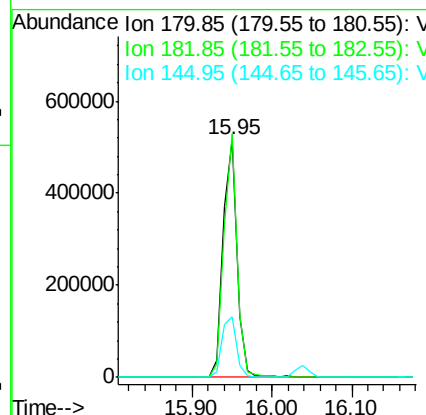
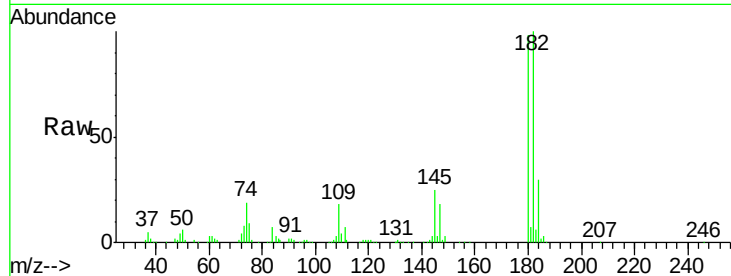




#93
 1,2,4-Trichlorobenzene
 Concen: 55.063 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD063549.D
 Acq: 14 Aug 2019 1:41

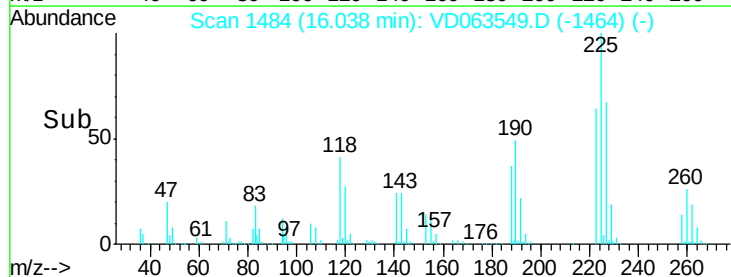
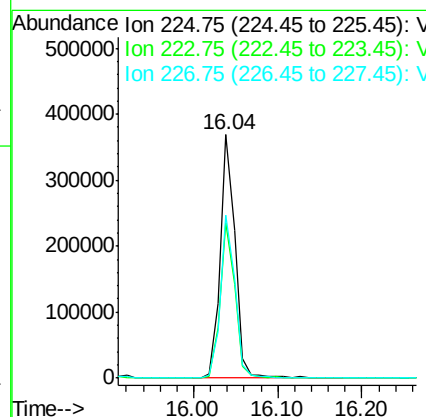
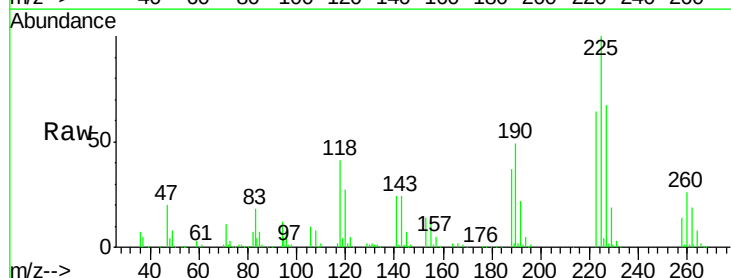
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

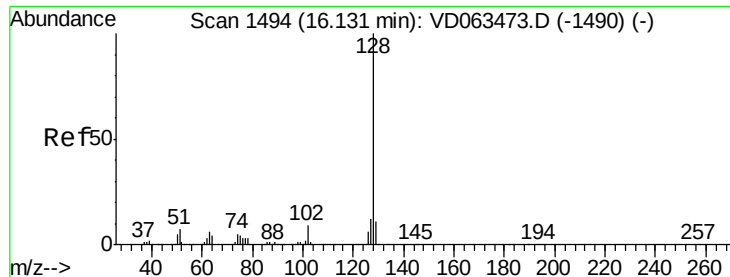
Tot Ion:180 Resp: 645946
 Ion Ratio Lower Upper
 180 100
 182 102.4 49.7 149.1
 145 25.7 14.1 42.2



#94
 Hexachlorobutadiene
 Concen: 50.584 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD063549.D
 Acq: 14 Aug 2019 1:41

Tgt Ion:225 Resp: 452254
 Ion Ratio Lower Upper
 225 100
 223 63.8 31.9 95.5
 227 66.8 30.7 92.1





#95

Naphthalene

Concen: 55.802 ug/l

RT: 16.13 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VD063549.D

Acq: 14 Aug 2019 1:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

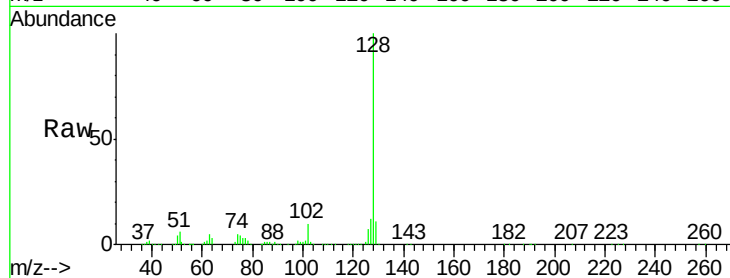
Tot Ion:128 Resp: 992070

Ion Ratio Lower Upper

128 100

127 12.0 9.4 14.0

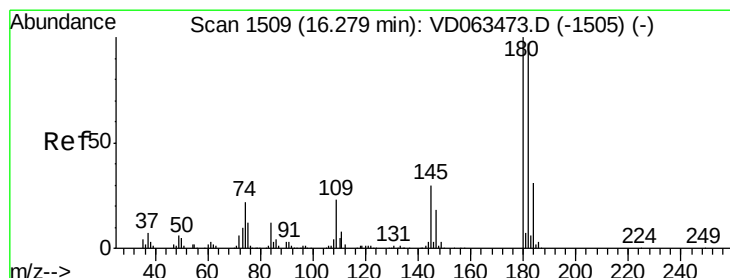
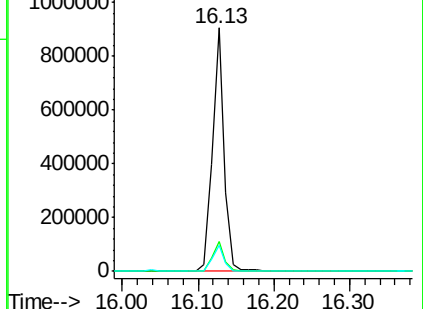
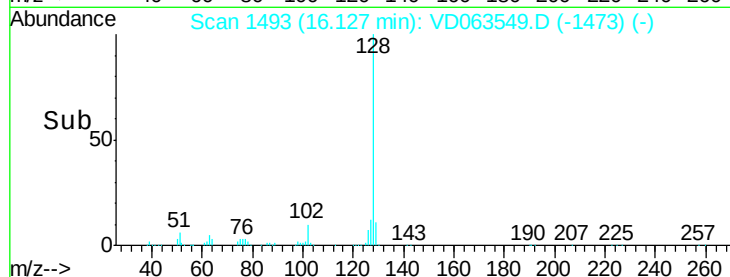
129 10.6 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 54.058 ug/l

RT: 16.27 min Scan# 1508

Delta R.T. -0.00 min

Lab File: VD063549.D

Acq: 14 Aug 2019 1:41

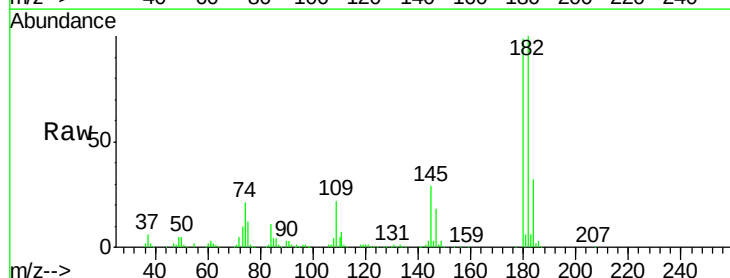
Tgt Ion:180 Resp: 512197

Ion Ratio Lower Upper

180 100

182 100.6 48.4 145.2

145 29.1 14.9 44.9



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

