

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081319\
 Data File : VD063547.D
 Acq On : 14 Aug 2019 00:20
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 14 00:53:55 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	7.06	168	965900	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1296967	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1146006	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	587423	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	576871	55.87	ug/l	0.00
Spiked Amount			Recovery	=	111.74%	
35) Dibromofluoromethane	6.93	113	623792	57.11	ug/l	0.00
Spiked Amount			Recovery	=	114.22%	
50) Toluene-d8	10.42	98	1345315	56.02	ug/l	0.00
Spiked Amount			Recovery	=	112.04%	
62) 4-Bromofluorobenzene	13.56	95	598134	54.95	ug/l	0.00
Spiked Amount			Recovery	=	109.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	635733	54.403	ug/l	97
3) Chloromethane	1.75	50	477913	52.345	ug/l	98
4) Vinyl Chloride	1.85	62	485385	53.553	ug/l	100
5) Bromomethane	2.15	94	254962	59.617	ug/l	99
6) Chloroethane	2.27	64	225137	54.319	ug/l	95
7) Trichlorofluoromethane	2.54	101	1054401	59.308	ug/l	97
8) Diethyl Ether	2.87	74	132249	52.687	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.15	101	576897	54.955	ug/l	97
10) Methyl Iodide	3.32	142	822069	55.346	ug/l	97
11) Tert butyl alcohol	4.09	59	149451	332.515	ug/l #	94
12) 1,1-Dichloroethene	3.13	96	427425	54.764	ug/l	91
13) Acrolein	3.04	56	128211	289.804	ug/l	90
14) Allyl chloride	3.62	41	660273	56.275	ug/l	99
15) Acrylonitrile	4.21	53	354714	297.953	ug/l	96
16) Acetone	3.23	43	510266	243.121	ug/l	98
17) Carbon Disulfide	3.37	76	1315902	53.422	ug/l	98
18) Methyl Acetate	3.65	43	236827	59.573	ug/l	95
19) Methyl tert-butyl Ether	4.25	73	984600	63.079	ug/l	100
20) Methylene Chloride	3.82	84	451397	49.738	ug/l	92
21) trans-1,2-Dichloroethene	4.22	96	472129	57.484	ug/l	97
22) Diisopropyl ether	5.14	45	1343726	55.500	ug/l	95
23) Vinyl Acetate	5.07	43	4091469	290.683	ug/l	97
24) 1,1-Dichloroethane	5.00	63	825777	54.991	ug/l	99
25) 2-Butanone	6.08	43	622585	300.350	ug/l	99
26) 2,2-Dichloropropane	6.03	77	759079	50.750	ug/l	98
27) cis-1,2-Dichloroethene	6.05	96	492666	54.826	ug/l	97
28) Bromochloromethane	6.45	49	337847	55.512	ug/l	92
29) Tetrahydrofuran	6.47	42	289677	299.903	ug/l	98
30) Chloroform	6.67	83	1074094	57.545	ug/l	93
31) Cyclohexane	6.97	56	515418	55.288	ug/l	96
32) 1,1,1-Trichloroethane	6.88	97	1032876	57.848	ug/l	96
36) 1,1-Dichloropropene	7.15	75	666942	58.170	ug/l	98
37) Ethyl Acetate	6.20	43	306693	63.836	ug/l	98
38) Carbon Tetrachloride	7.12	117	1081458	62.585	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	549921	56.405	ug/l	99
40) Benzene	7.47	78	1497105	59.335	ug/l	100
41) Methacrylonitrile	6.47	41	396948	65.619	ug/l #	96
42) 1,2-Dichloroethane	7.59	62	795234	62.681	ug/l	99
43) Isopropyl Acetate	9.25	43	407475	63.325	ug/l	100
44) Trichloroethene	8.55	130	586170	60.781	ug/l	100
45) 1,2-Dichloropropane	8.95	63	363498	61.864	ug/l	96
46) Dibromomethane	9.06	93	313896	62.556	ug/l	95
47) Bromodichloromethane	9.39	83	819772	63.690	ug/l	99
48) Methyl methacrylate	9.12	41	295976	67.825	ug/l	98
49) 1,4-Dioxane	9.08	88	52390	1335.909	ug/l #	90
51) 4-Methyl-2-Pentanone	10.31	43	1437073	326.383	ug/l	97
52) Toluene	10.52	92	962107	59.201	ug/l	99
53) t-1,3-Dichloropropene	10.92	75	695656	66.226	ug/l	100
54) cis-1,3-Dichloropropene	10.05	75	691254	58.362	ug/l	97
55) 1,1,2-Trichloroethane	11.19	97	344418	62.739	ug/l	96
56) Ethyl methacrylate	11.05	69	392214	65.825	ug/l	93
57) 1,3-Dichloropropane	11.42	76	539401	65.003	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.87	63	941107	299.175	ug/l	100
59) 2-Hexanone	11.54	43	1034964	323.046	ug/l	92
60) Dibromochloromethane	11.69	129	639183	63.987	ug/l	96
61) 1,2-Dibromoethane	11.81	107	425209	63.983	ug/l	99
64) Tetrachloroethene	11.27	164	529370	59.837	ug/l	98
65) Chlorobenzene	12.40	112	1251132	58.249	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	566504	59.930	ug/l	94
67) Ethyl Benzene	12.53	91	2030619	54.372	ug/l	100
68) m/p-Xylenes	12.67	106	1480103	112.804	ug/l	94
69) o-Xylene	13.05	106	740752	58.657	ug/l	95
70) Styrene	13.08	104	1289975	57.426	ug/l	98
71) Bromoform	13.24	173	421620	65.048	ug/l	97
73) Isopropylbenzene	13.41	105	2200667	58.899	ug/l	99
74) N-amyl acetate	13.27	43	622270	66.345	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	400139	64.522	ug/l	94
76) 1,2,3-Trichloropropane	13.74	75	426377	63.245	ug/l	99
77) Bromobenzene	13.67	156	649731	63.627	ug/l	97
78) n-propylbenzene	13.78	91	2624120	60.026	ug/l	98
79) 2-Chlorotoluene	13.85	91	1497693	59.418	ug/l	93
80) 1,3,5-Trimethylbenzene	13.94	105	1784904	54.675	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	112410	62.037	ug/l	92
82) 4-Chlorotoluene	13.95	91	1721924	56.810	ug/l	97
83) tert-Butylbenzene	14.19	119	2002908	58.263	ug/l	93
84) 1,2,4-Trimethylbenzene	14.24	105	1865501	61.759	ug/l	94
85) sec-Butylbenzene	14.37	105	2174259	59.556	ug/l	99
86) p-Isopropyltoluene	14.50	119	2057889	58.954	ug/l	96
87) 1,3-Dichlorobenzene	14.46	146	1117907	60.523	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	1042611	58.834	ug/l	99
89) n-Butylbenzene	14.80	91	1802571	56.580	ug/l	96
90) Hexachloroethane	15.01	117	542303	61.810	ug/l	96
91) 1,2-Dichlorobenzene	14.81	146	915791	58.438	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	75646	64.781	ug/l	85

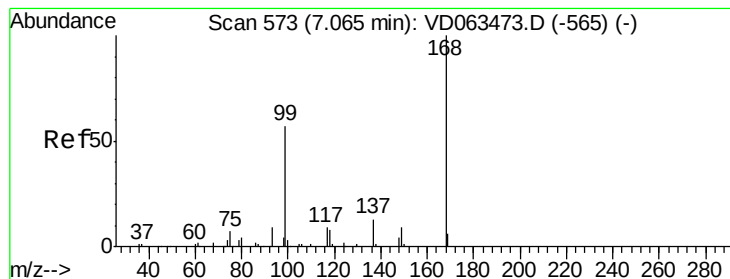
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD081319\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
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QLast Update : Sat Aug 10 06:42:47 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	711190	61.675	ug/l	98
94) Hexachlorobutadiene	16.04	225	518827	59.036	ug/l	96
95) Naphthalene	16.12	128	1087798	62.247	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	557284	59.836	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.01 min

Lab File: VD063547.D

Acq: 14 Aug 2019 00:20

Instrument :

MSVOA_D

ClientSampleId :

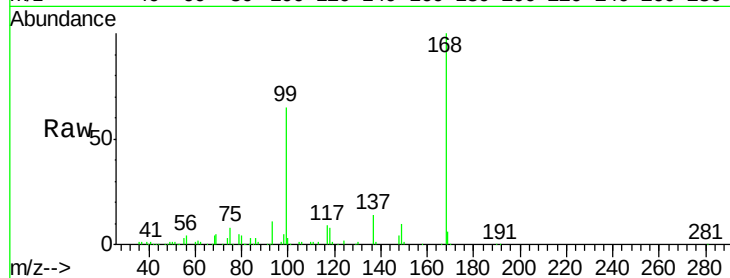
VSTDCCC050EC

Tot Ion:168 Resp: 965900

Ion Ratio Lower Upper

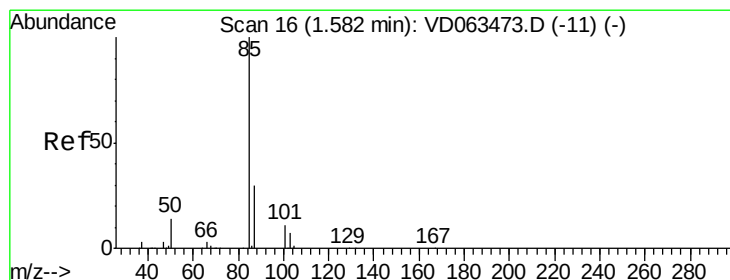
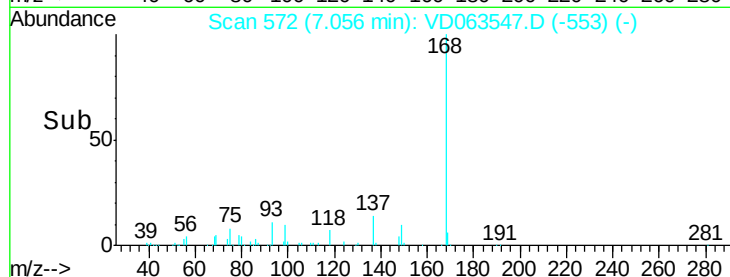
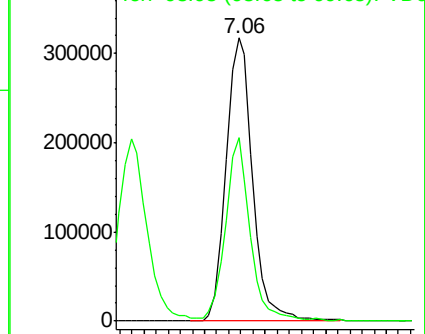
168 100

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



#2

Dichlorodifluoromethane

Concen: 54.403 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.00 min

Lab File: VD063547.D

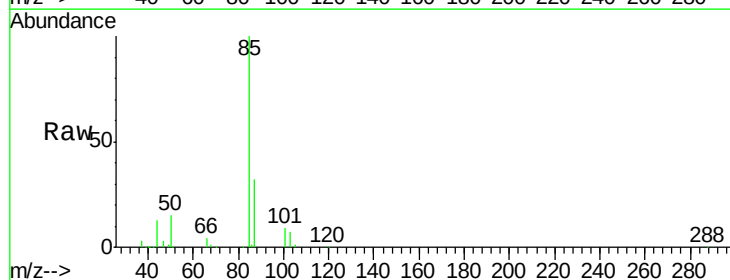
Acq: 14 Aug 2019 00:20

Tgt Ion: 85 Resp: 635733

Ion Ratio Lower Upper

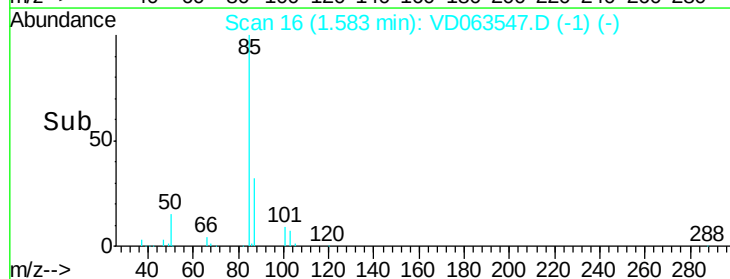
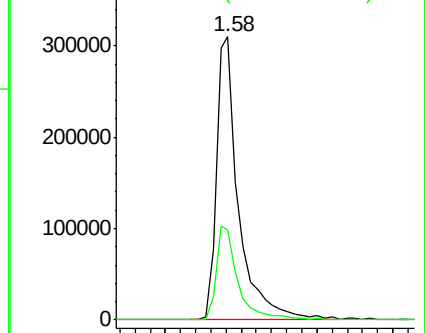
85 100

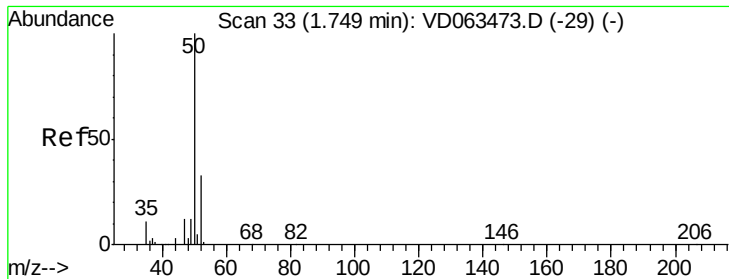
87 31.7 15.0 45.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 52.345 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.00 min

Lab File: VD063547.D

Acq: 14 Aug 2019 00:20

Instrument :

MSVOA_D

ClientSampleId :

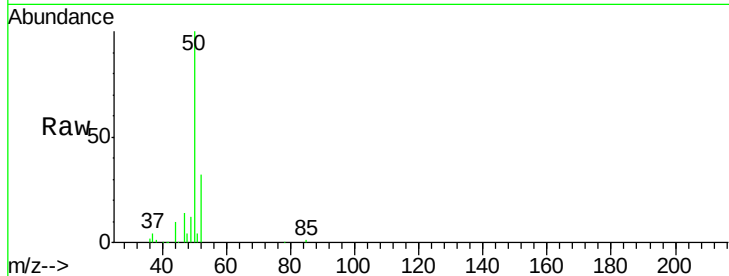
VSTDCCC050EC

Tot Ion: 50 Resp: 477913

Ion Ratio Lower Upper

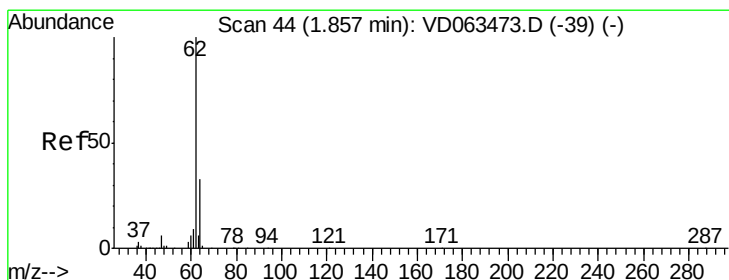
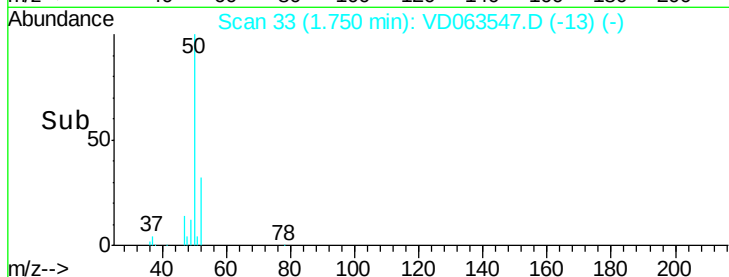
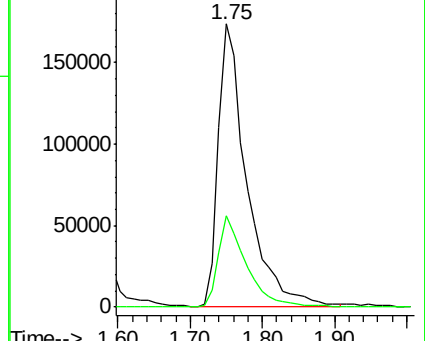
50 100

52 32.2 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: 53.553 ug/l

RT: 1.85 min Scan# 43

Delta R.T. -0.01 min

Lab File: VD063547.D

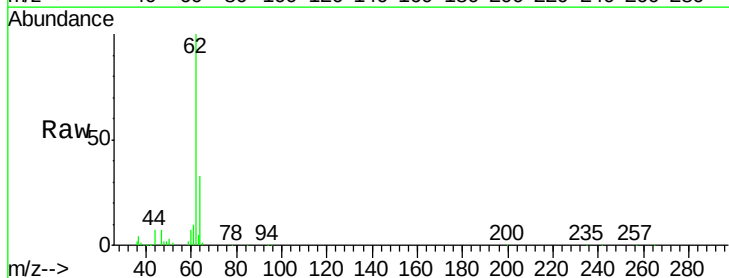
Acq: 14 Aug 2019 00:20

Tgt Ion: 62 Resp: 485385

Ion Ratio Lower Upper

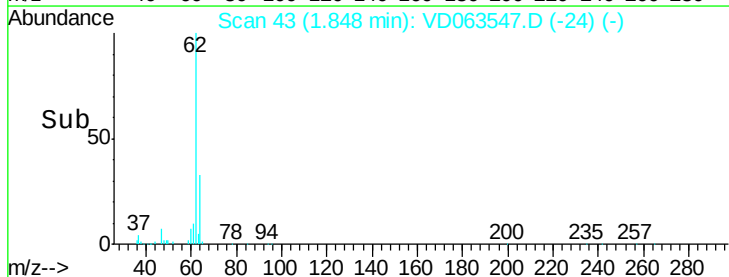
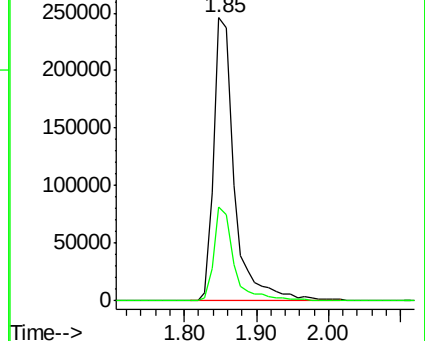
62 100

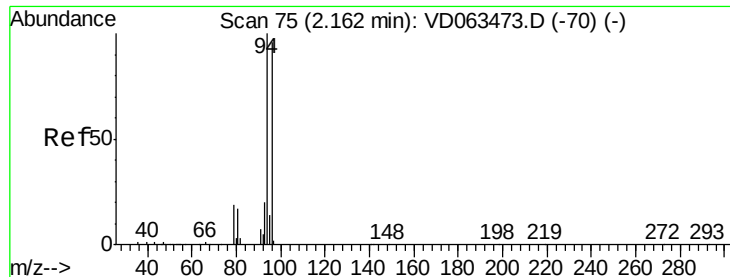
64 33.1 26.4 39.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 59.617 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.01 min

Lab File: VD063547.D

Acq: 14 Aug 2019 00:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

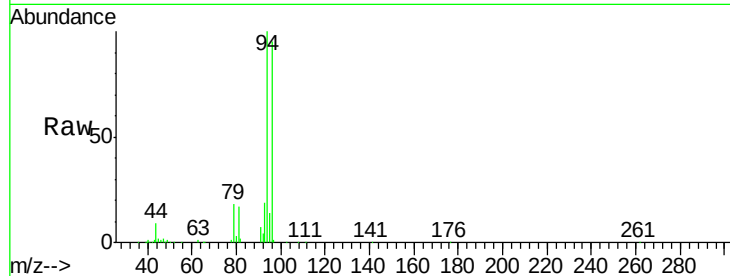
Tot Ion: 94 Resp: 254962

Ion Ratio Lower Upper

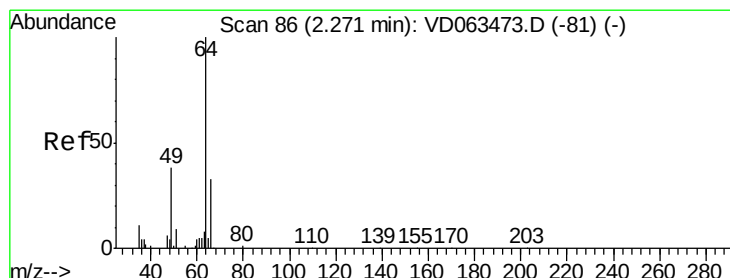
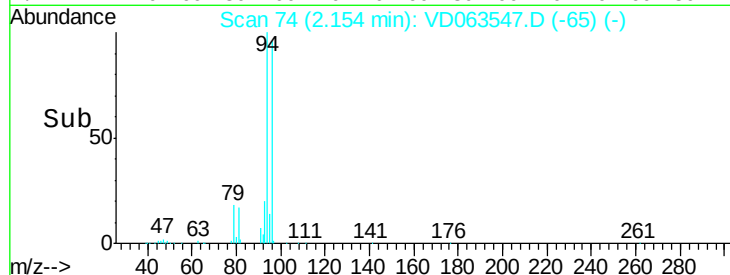
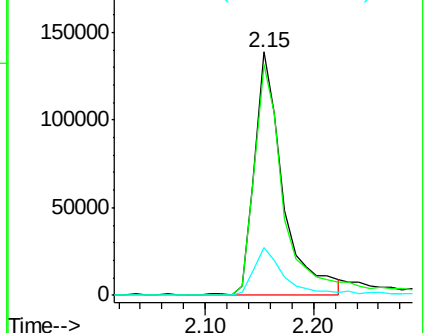
94 100

96 94.9 76.5 114.7

93 19.4 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: 54.319 ug/l

RT: 2.27 min Scan# 86

Delta R.T. 0.00 min

Lab File: VD063547.D

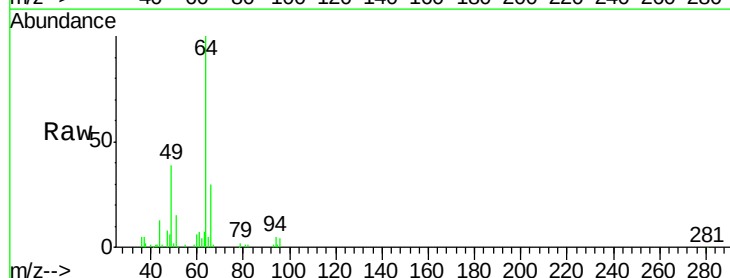
Acq: 14 Aug 2019 00:20

Tgt Ion: 64 Resp: 225137

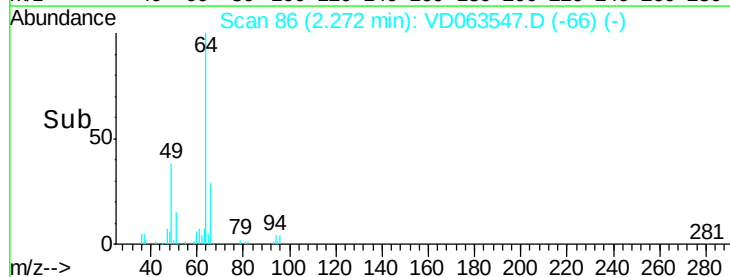
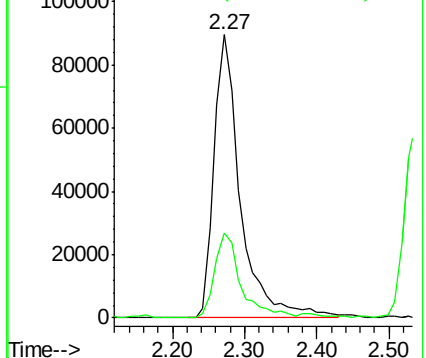
Ion Ratio Lower Upper

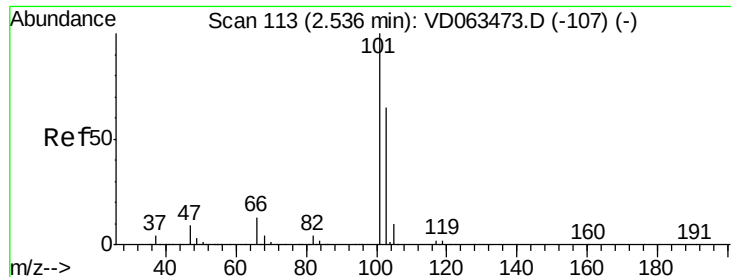
64 100

66 30.2 26.3 39.5



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



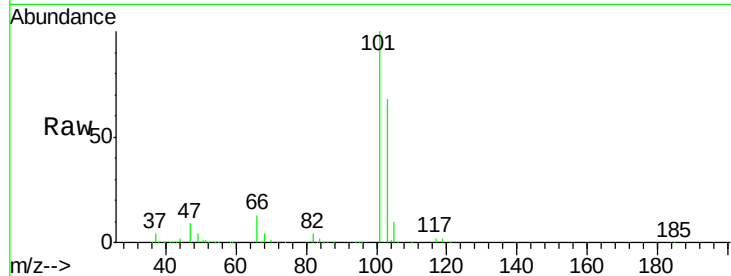


#7

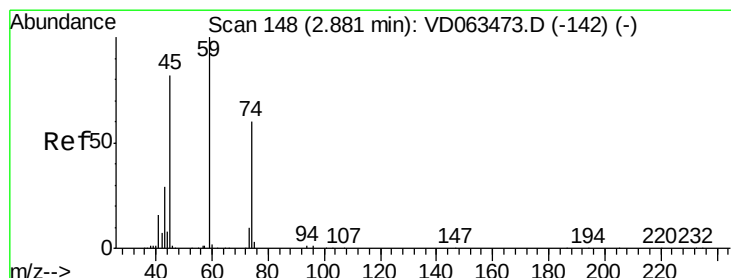
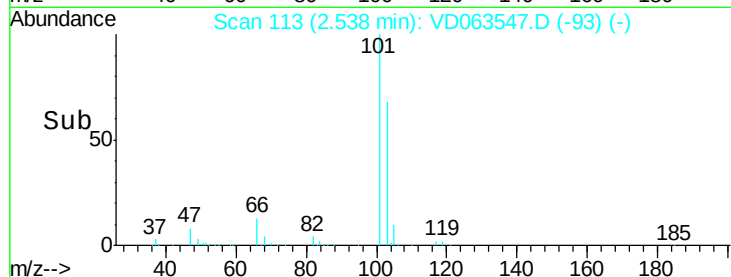
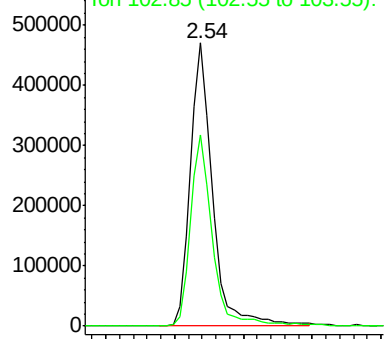
Trichlorofluoromethane
 Concen: 59.308 ug/l
 RT: 2.54 min Scan# 113
 Delta R.T. 0.00 min
 Lab File: VD063547.D
 Acq: 14 Aug 2019 00:20

Instrument :
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 ClientSampleId :
 VSTDCCC050EC

Tot Ion:101 Resp: 1054401
 Ion Ratio Lower Upper
 101 100
 103 67.6 52.2 78.4



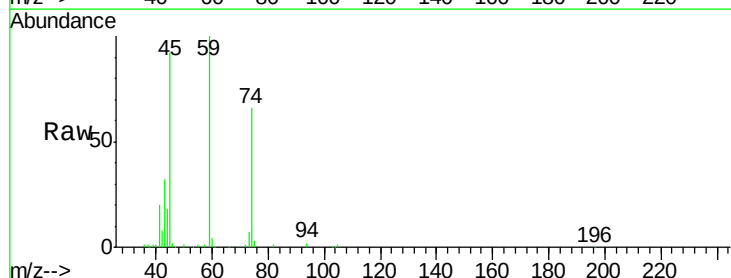
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



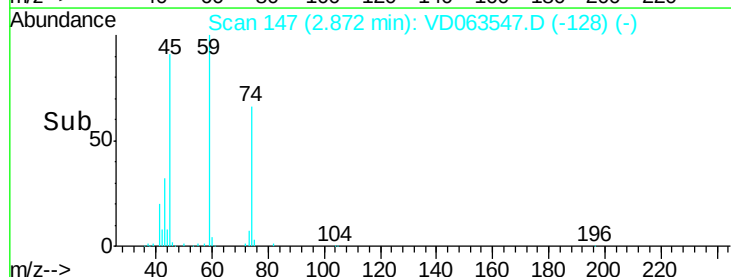
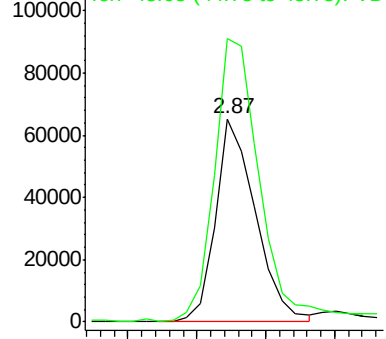
#8

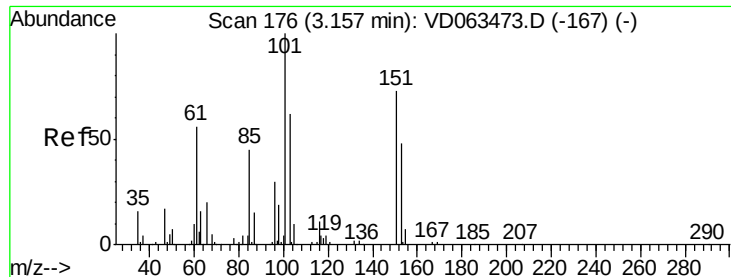
Diethyl Ether
 Concen: 52.687 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. -0.01 min
 Lab File: VD063547.D
 Acq: 14 Aug 2019 00:20

Tgt Ion: 74 Resp: 132249
 Ion Ratio Lower Upper
 74 100
 45 139.5 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: 54.955 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.01 min

Lab File: VD063547.D

Acq: 14 Aug 2019 00:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

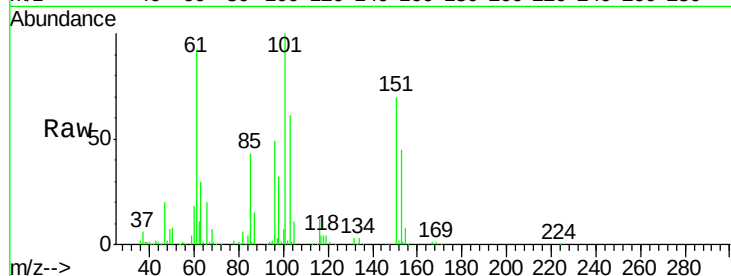
Tot Ion:101 Resp: 576897

Ion Ratio Lower Upper

101 100

85 42.6 35.8 53.6

151 70.2 58.6 88.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V

250000

200000

150000

100000

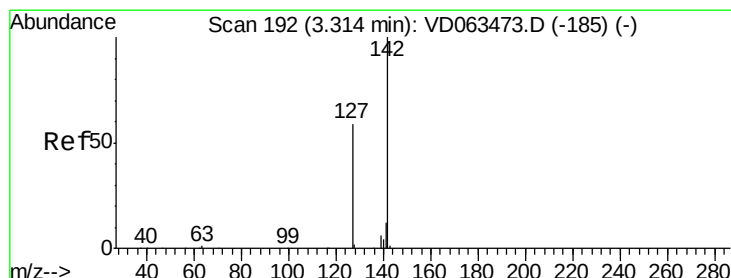
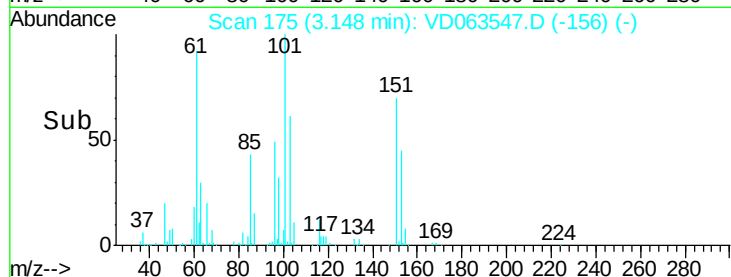
50000

0

3.15

3.00 3.10 3.20 3.30 3.40

Time-->



#10

Methyl Iodide

Concen: 55.346 ug/l

RT: 3.32 min Scan# 192

Delta R.T. 0.00 min

Lab File: VD063547.D

Acq: 14 Aug 2019 00:20

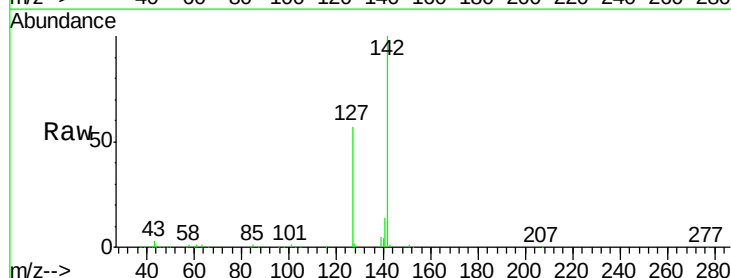
Tgt Ion:142 Resp: 822069

Ion Ratio Lower Upper

142 100

127 57.1 47.2 70.8

141 14.1 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

400000

300000

200000

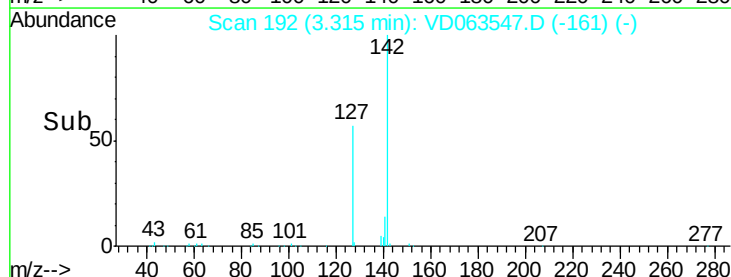
100000

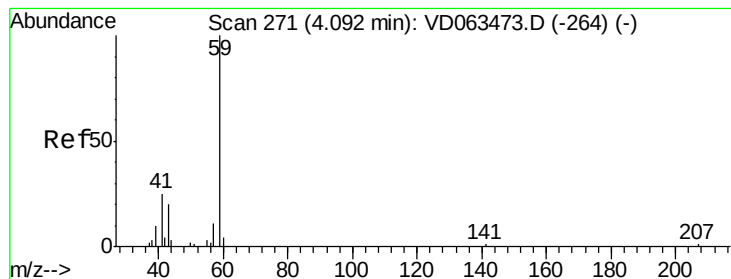
0

3.32

3.20 3.30 3.40 3.50

Time-->





#11

Tert butyl alcohol

Concen: 332.515 ug/l

RT: 4.09 min Scan# 271

Delta R.T. 0.00 min

Lab File: VD063547.D

Acq: 14 Aug 2019 00:20

Instrument :

MSVOA_D

ClientSampleId :

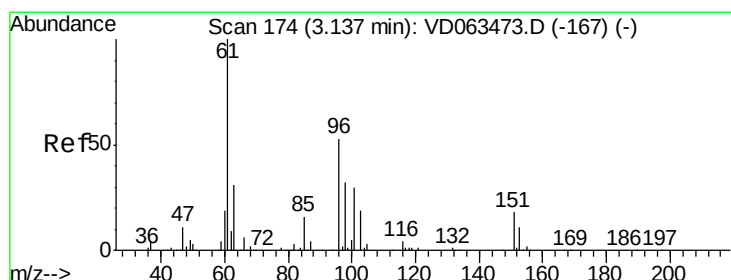
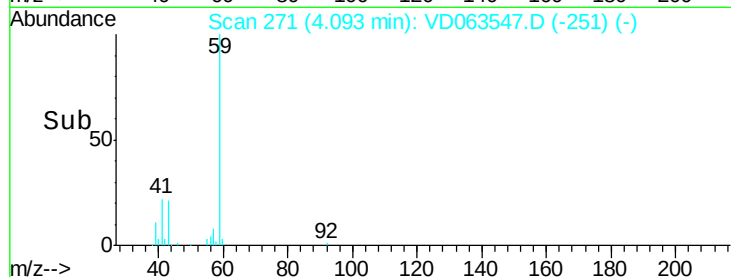
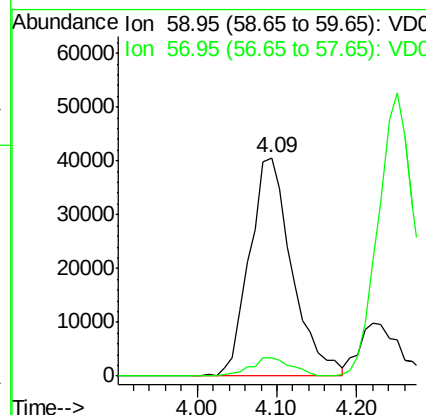
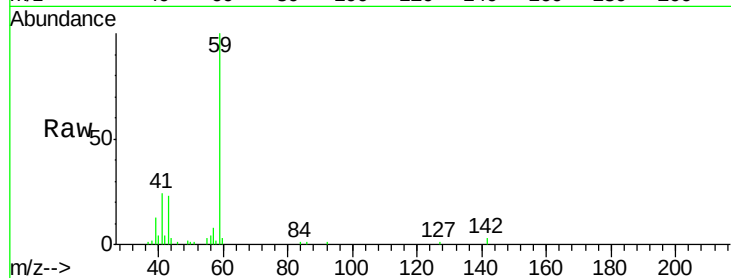
VSTDCCC050EC

Tot Ion: 59 Resp: 149451

Ion Ratio Lower Upper

59 100

57 8.5 8.7 13.1#



#12

1,1-Dichloroethene

Concen: 54.764 ug/l

RT: 3.13 min Scan# 173

Delta R.T. -0.01 min

Lab File: VD063547.D

Acq: 14 Aug 2019 00:20

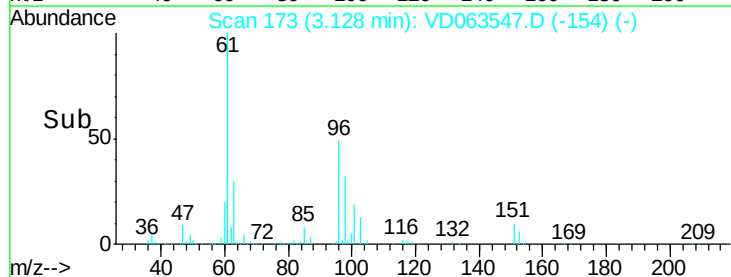
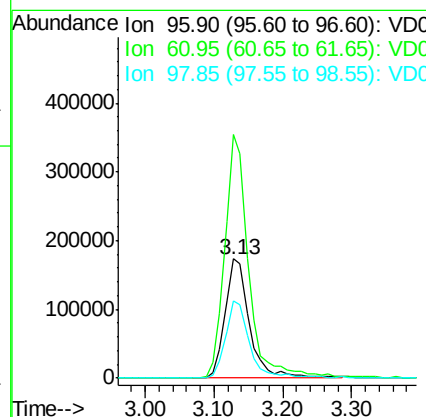
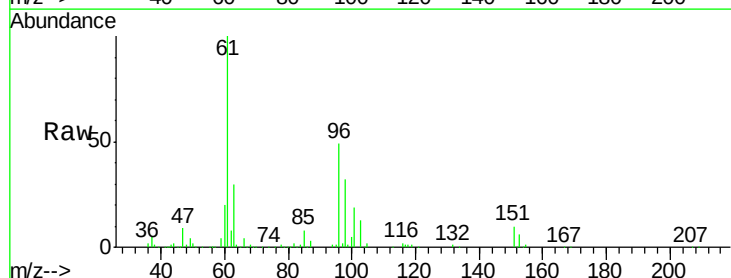
Tgt Ion: 96 Resp: 427425

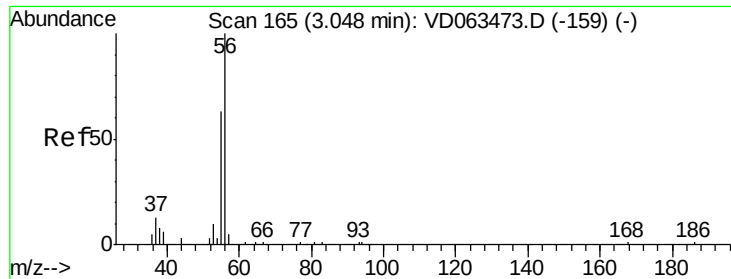
Ion Ratio Lower Upper

96 100

61 204.7 151.7 227.5

98 64.5 48.4 72.6





#13

Acrolein

Concen: 289.804 ug/l

RT: 3.04 min Scan# 164

Delta R.T. -0.01 min

Lab File: VD063547.D

Acq: 14 Aug 2019 00:20

Instrument :

MSVOA_D

ClientSampleId :

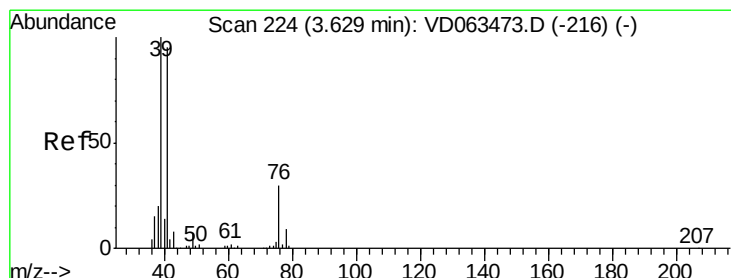
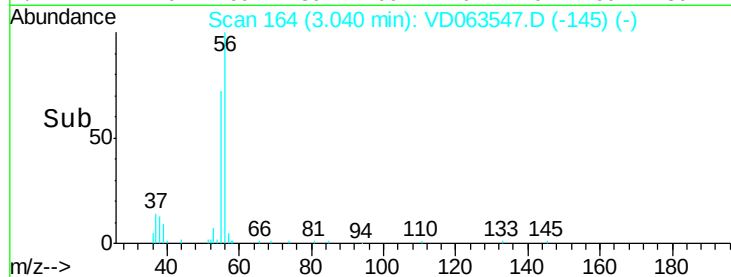
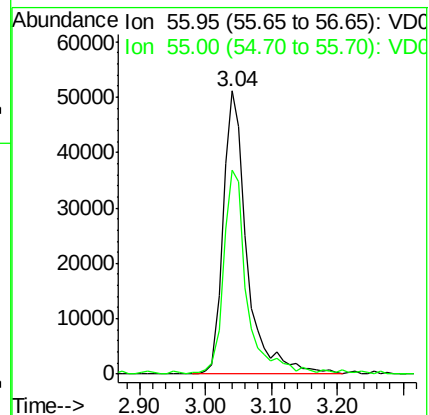
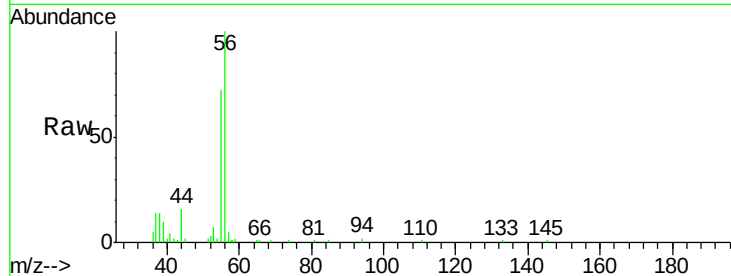
VSTDCCC050EC

Tot Ion: 56 Resp: 128211

Ion Ratio Lower Upper

56 100

55 72.3 51.3 76.9



#14

Allyl chloride

Concen: 56.275 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.01 min

Lab File: VD063547.D

Acq: 14 Aug 2019 00:20

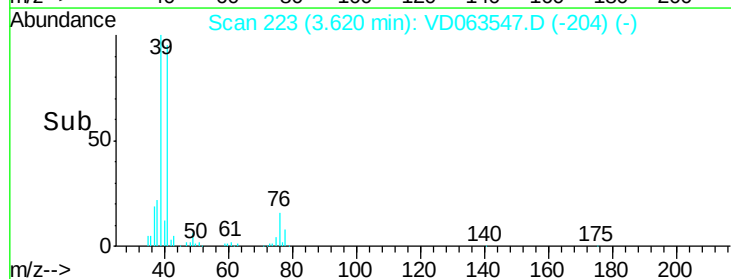
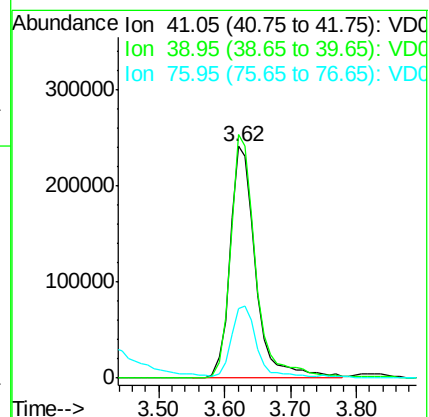
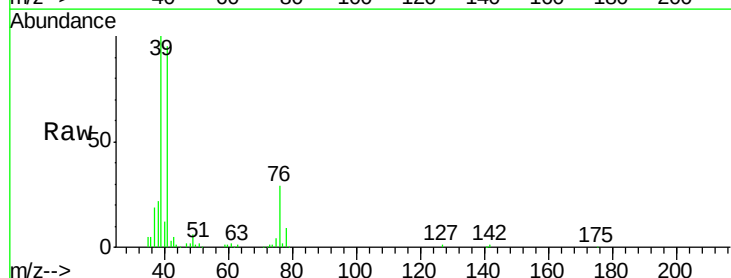
Tgt Ion: 41 Resp: 660273

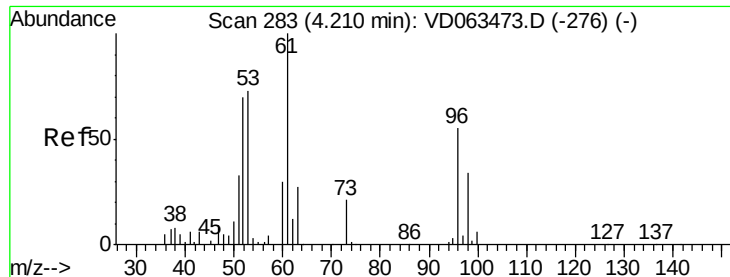
Ion Ratio Lower Upper

41 100

39 105.0 84.2 126.4

76 30.1 26.0 39.0





#15

Acrylonitrile

Concen: 297.953 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.00 min

Lab File: VD063547.D

Acq: 14 Aug 2019 00:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

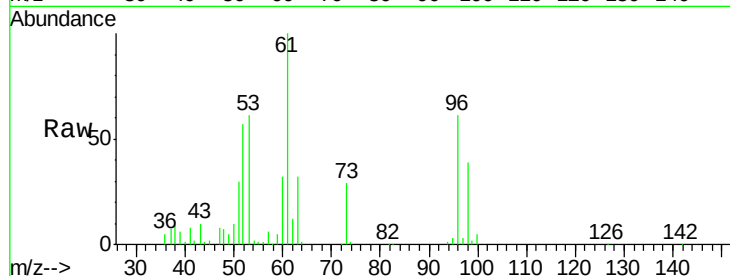
Tot Ion: 53 Resp: 354714

Ion Ratio Lower Upper

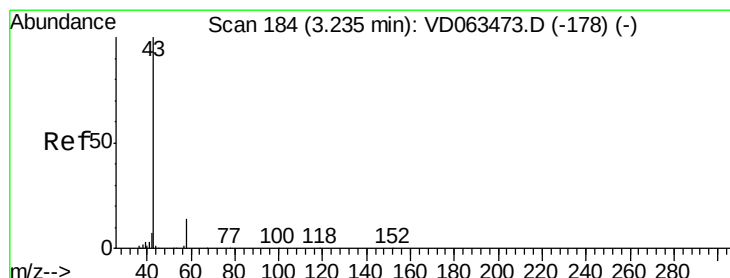
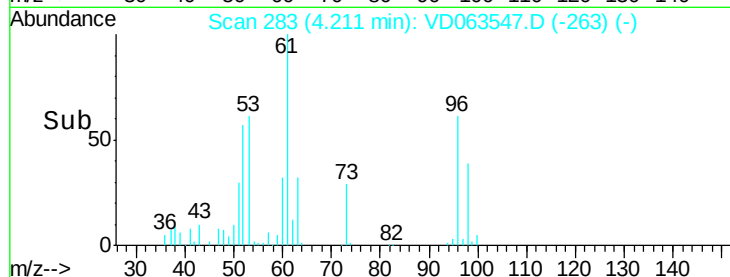
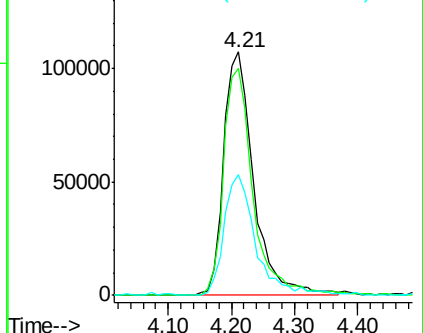
53 100

52 93.4 77.4 116.0

51 49.7 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: 243.121 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.01 min

Lab File: VD063547.D

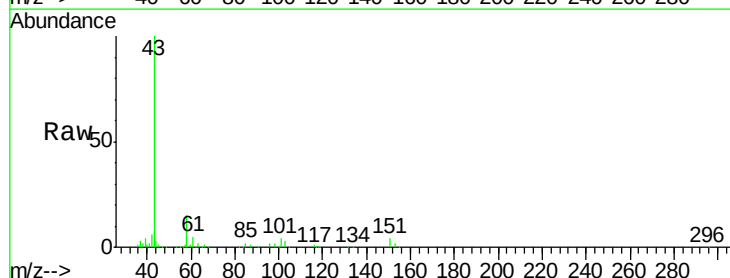
Acq: 14 Aug 2019 00:20

Tgt Ion: 43 Resp: 510266

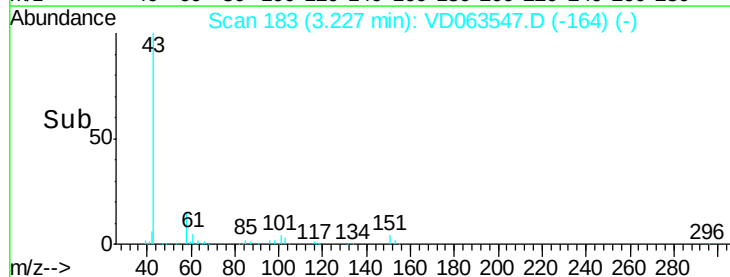
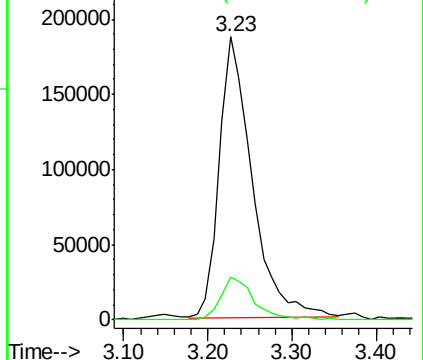
Ion Ratio Lower Upper

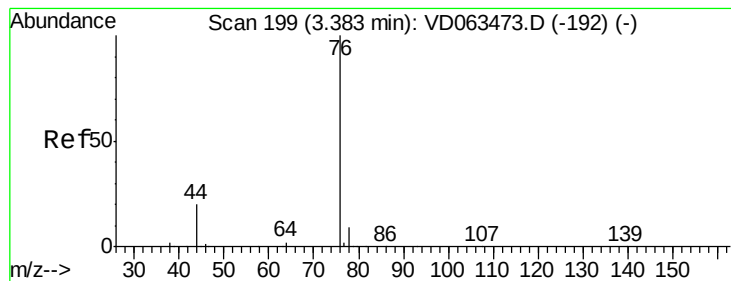
43 100

58 15.2 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: 53.422 ug/l

RT: 3.37 min Scan# 198

Delta R.T. -0.01 min

Lab File: VD063547.D

Acq: 14 Aug 2019 00:20

Instrument :

MSVOA_D

ClientSampleId :

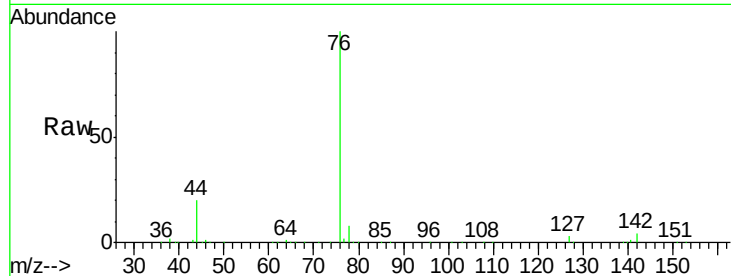
VSTDCCC050EC

Tot Ion: 76 Resp: 1315902

Ion Ratio Lower Upper

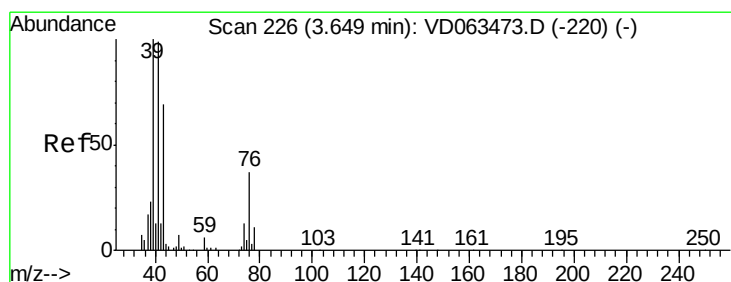
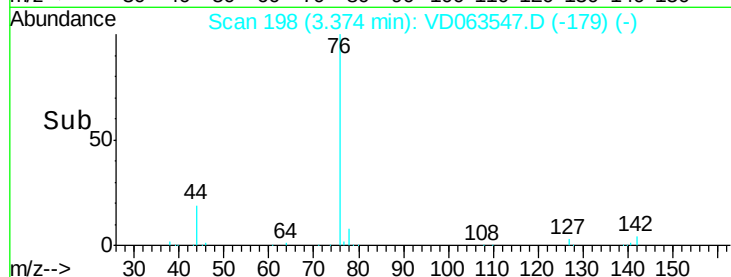
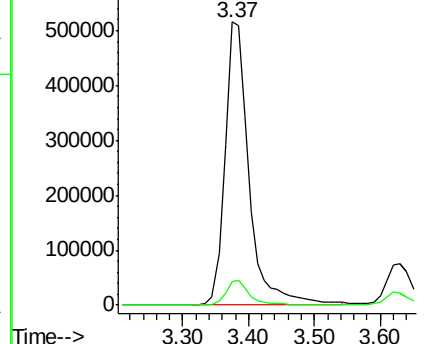
76 100

78 8.3 7.4 11.0



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 59.573 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.00 min

Lab File: VD063547.D

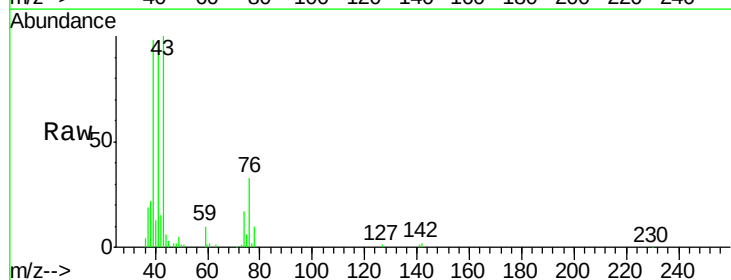
Acq: 14 Aug 2019 00:20

Tgt Ion: 43 Resp: 236827

Ion Ratio Lower Upper

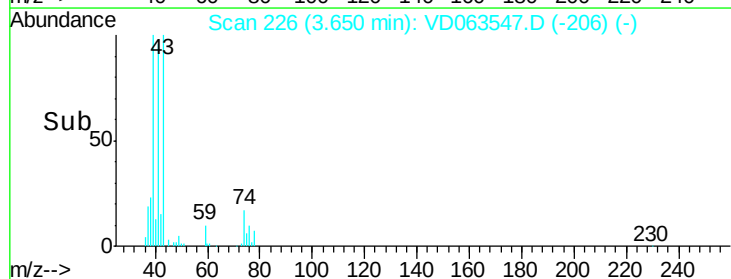
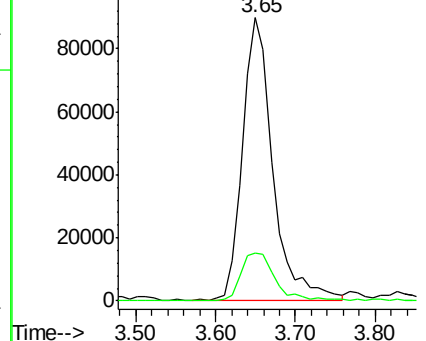
43 100

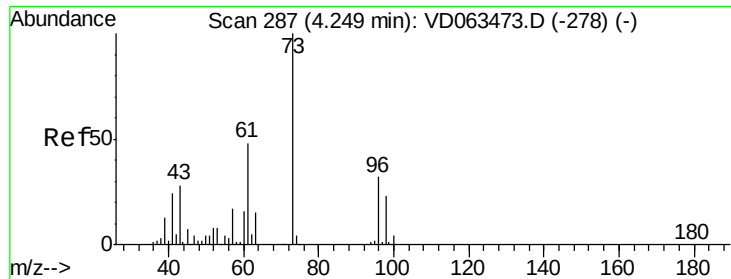
74 17.0 15.4 23.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

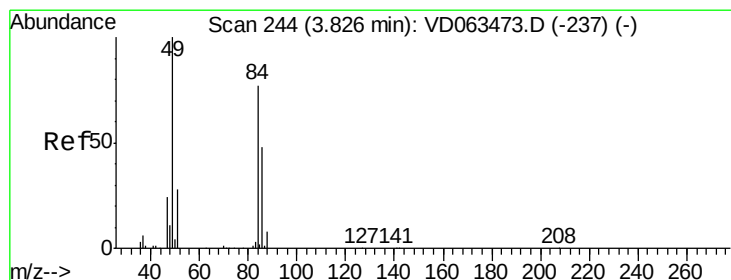
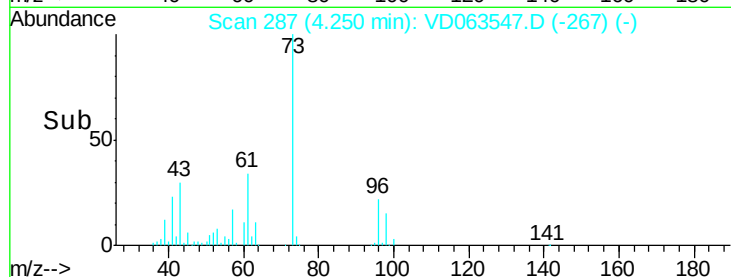
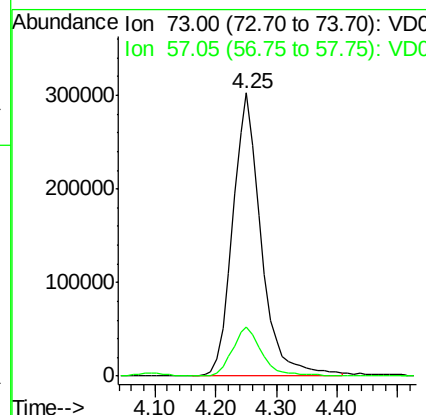
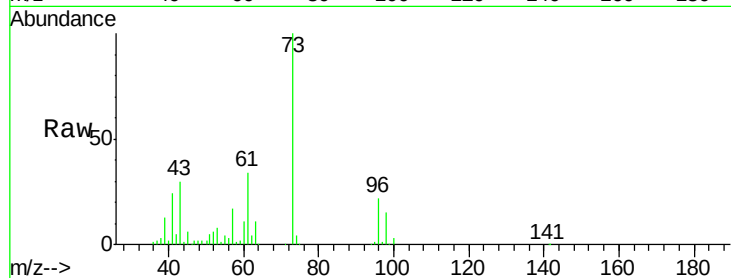




#19
Methyl tert-butyl Ether
Concen: 63.079 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.00 min
Lab File: VD063547.D
Acq: 14 Aug 2019 00:20

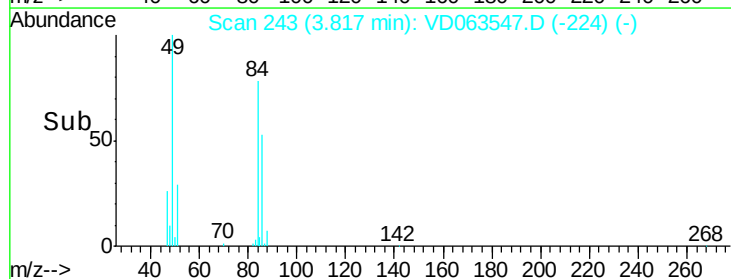
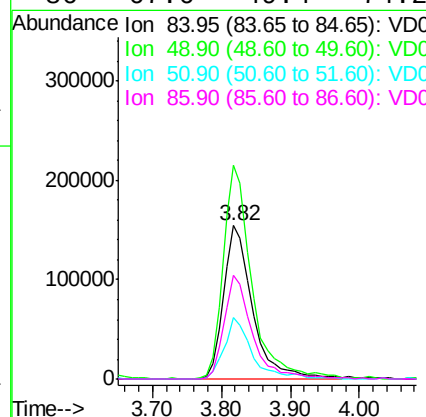
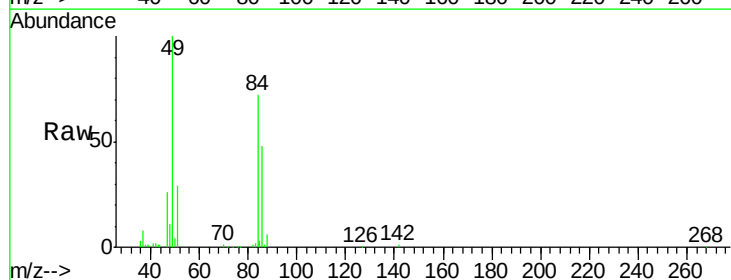
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

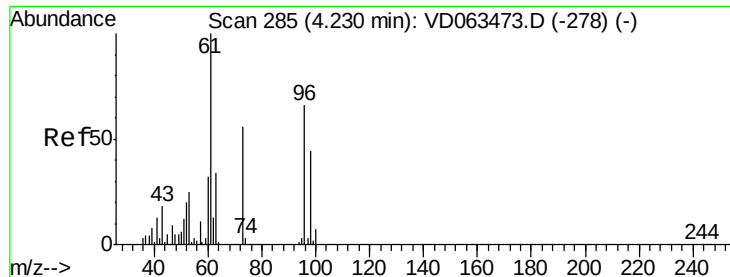
Tot Ion: 73 Resp: 984600
Ion Ratio Lower Upper
73 100
57 17.4 14.0 21.0



#20
Methylene Chloride
Concen: 49.738 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.01 min
Lab File: VD063547.D
Acq: 14 Aug 2019 00:20

Tgt Ion: 84 Resp: 451397
Ion Ratio Lower Upper
84 100
49 139.4 103.4 155.2
51 39.9 28.5 42.7
86 67.6 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 57.484 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.01 min

Lab File: VD063547.D

Acq: 14 Aug 2019 00:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

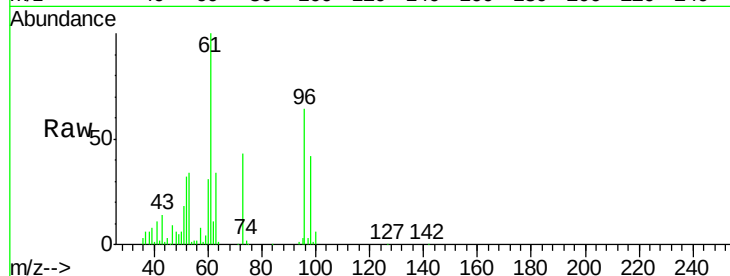
Tot Ion: 96 Resp: 472129

Ion Ratio Lower Upper

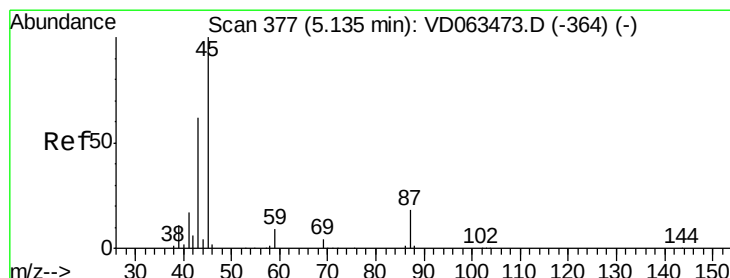
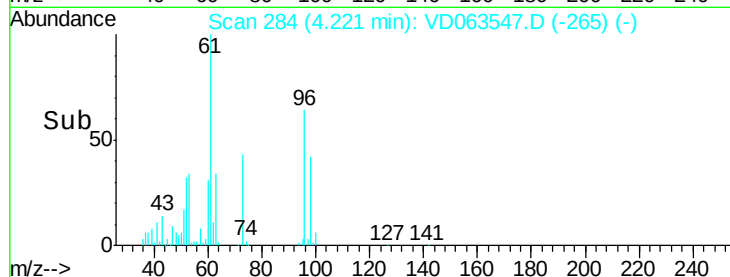
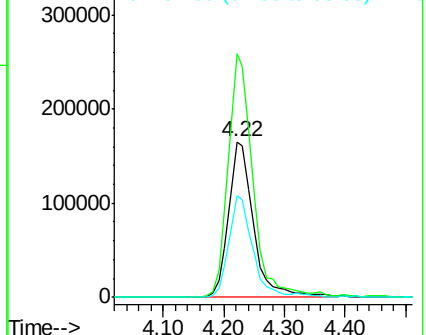
96 100

61 156.5 121.7 182.5

98 65.6 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: 55.500 ug/l

RT: 5.14 min Scan# 377

Delta R.T. 0.00 min

Lab File: VD063547.D

Acq: 14 Aug 2019 00:20

Tgt Ion: 45 Resp: 1343726

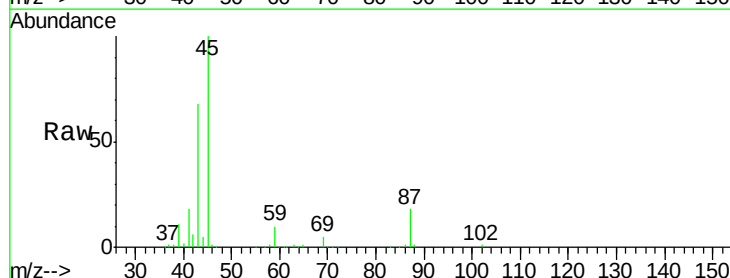
Ion Ratio Lower Upper

45 100

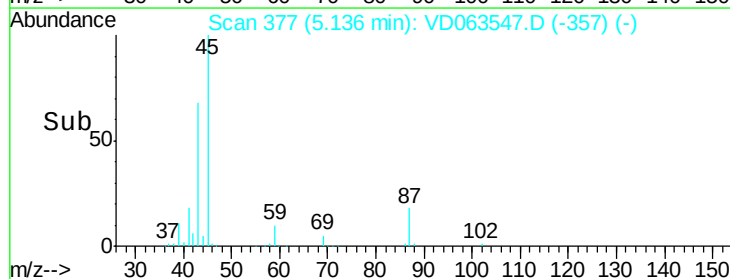
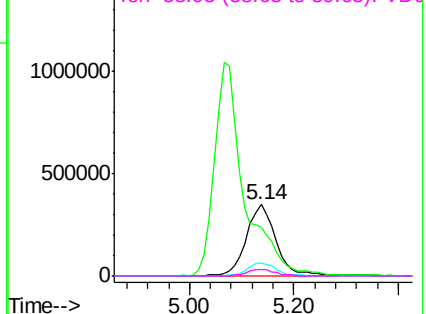
43 68.0 50.3 75.5

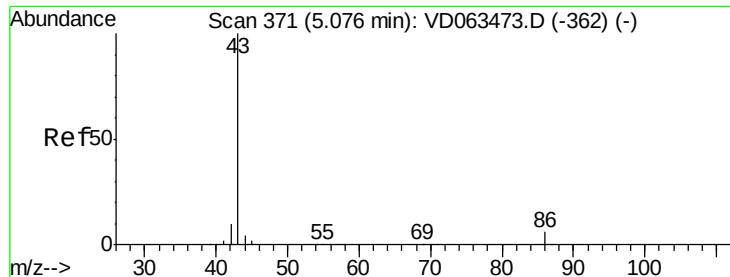
87 17.8 14.3 21.5

59 9.7 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: 290.683 ug/l

RT: 5.07 min Scan# 370

Delta R.T. -0.01 min

Lab File: VD063547.D

Acq: 14 Aug 2019 00:20

Instrument :

MSVOA_D

ClientSampleId :

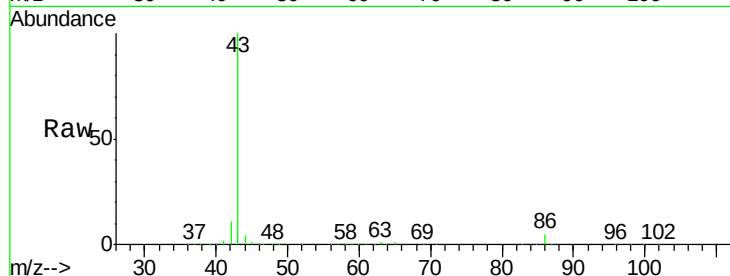
VSTDCCC050EC

Tot Ion: 43 Resp: 4091469

Ion Ratio Lower Upper

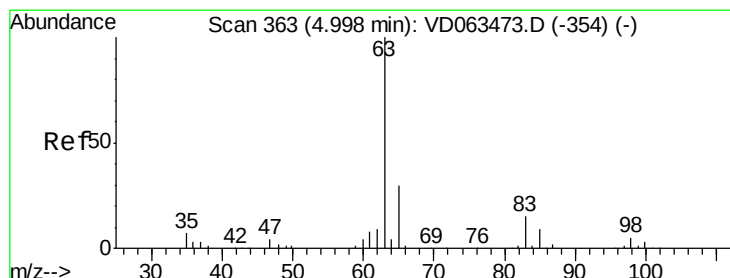
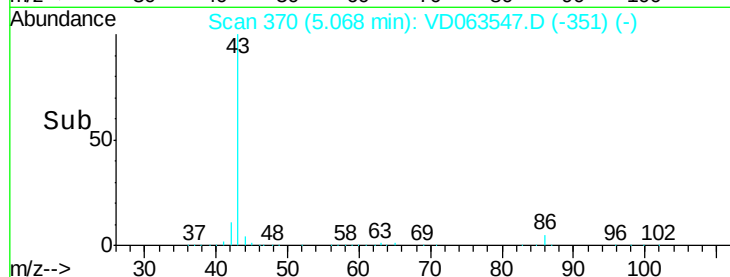
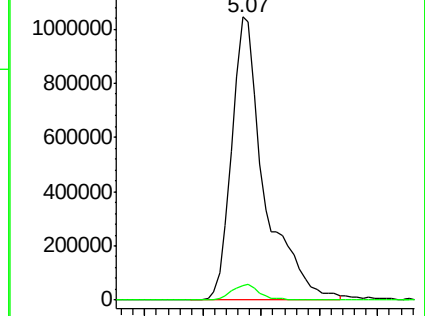
43 100

86 5.1 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: 54.991 ug/l

RT: 5.00 min Scan# 363

Delta R.T. 0.00 min

Lab File: VD063547.D

Acq: 14 Aug 2019 00:20

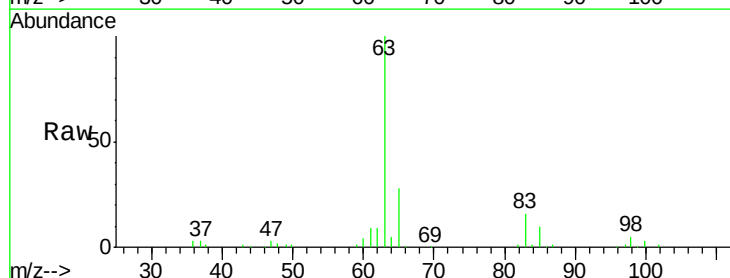
Tgt Ion: 63 Resp: 825777

Ion Ratio Lower Upper

63 100

98 4.7 2.4 7.2

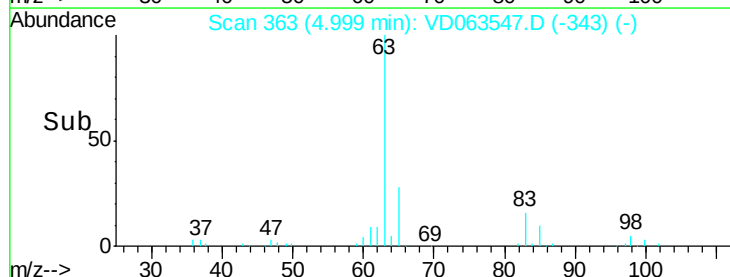
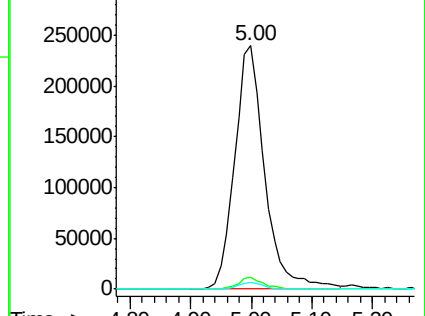
100 2.9 1.3 3.8

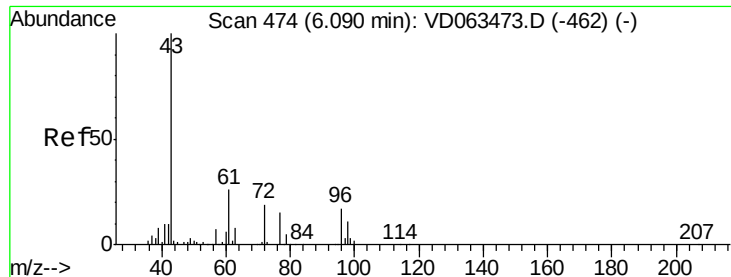


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 300.350 ug/l

RT: 6.08 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD063547.D

Acq: 14 Aug 2019 00:20

Instrument :

MSVOA_D

ClientSampleId :

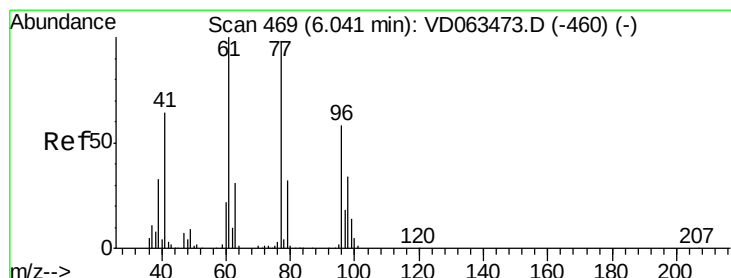
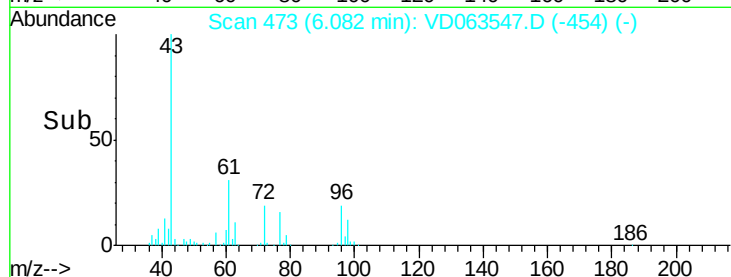
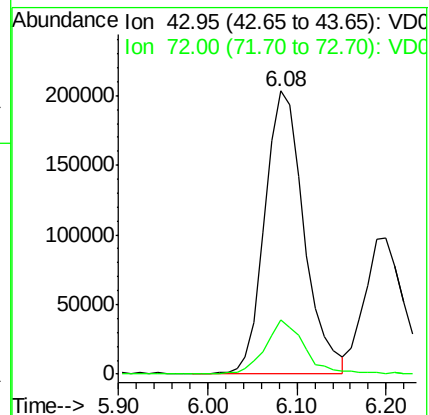
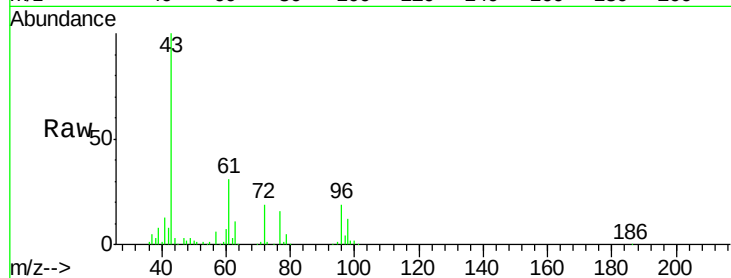
VSTDCCC050EC

Tot Ion: 43 Resp: 622585

Ion Ratio Lower Upper

43 100

72 19.2 15.1 22.7



#26

2,2-Dichloropropane

Concen: 50.750 ug/l

RT: 6.03 min Scan# 468

Delta R.T. -0.01 min

Lab File: VD063547.D

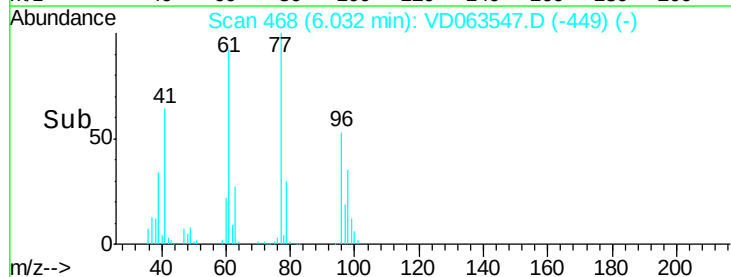
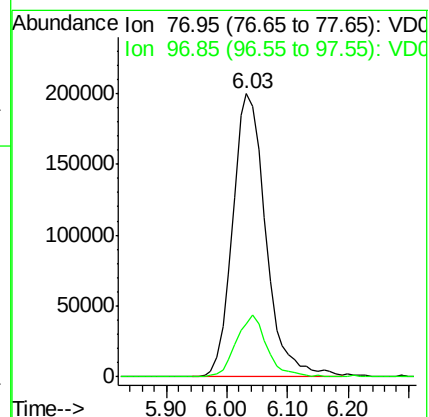
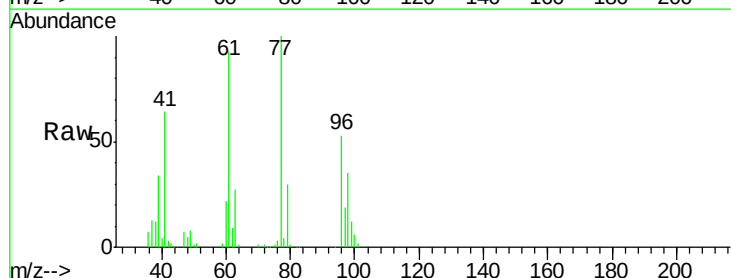
Acq: 14 Aug 2019 00:20

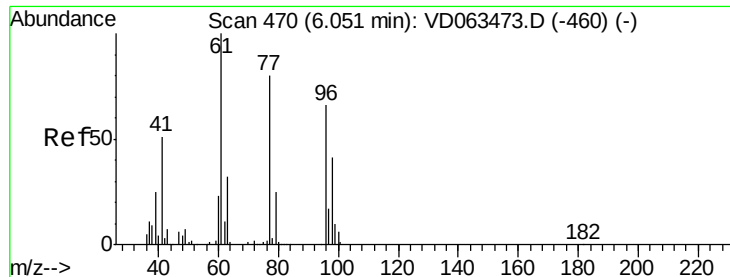
Tgt Ion: 77 Resp: 759079

Ion Ratio Lower Upper

77 100

97 18.9 9.0 27.1



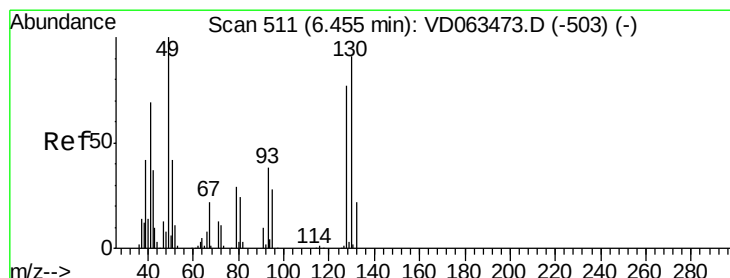
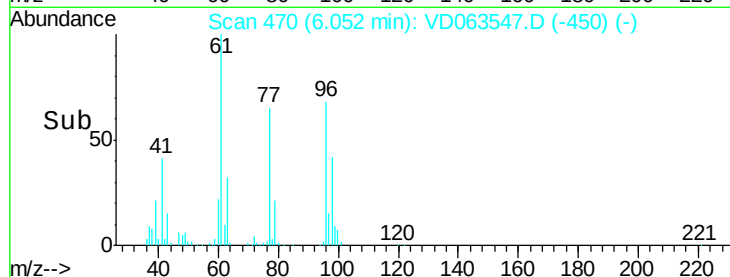
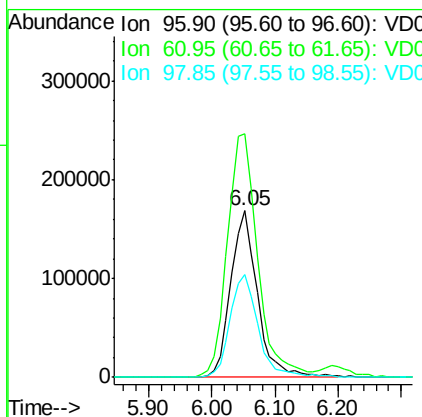
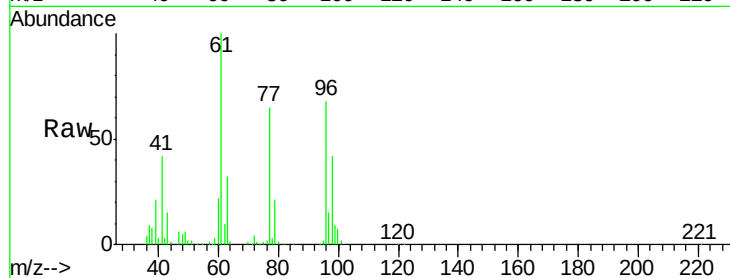


#27

cis-1,2-Dichloroethene
 Concen: 54.826 ug/l
 RT: 6.05 min Scan# 470
 Delta R.T. 0.00 min
 Lab File: VD063547.D
 Acq: 14 Aug 2019 00:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

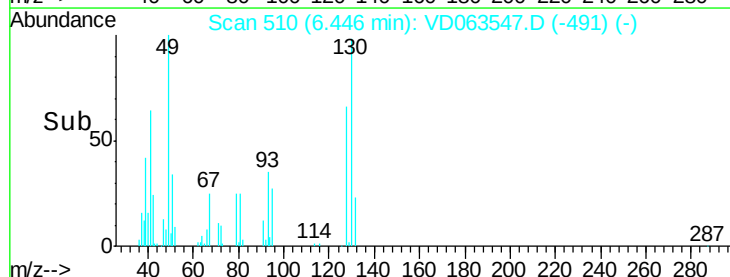
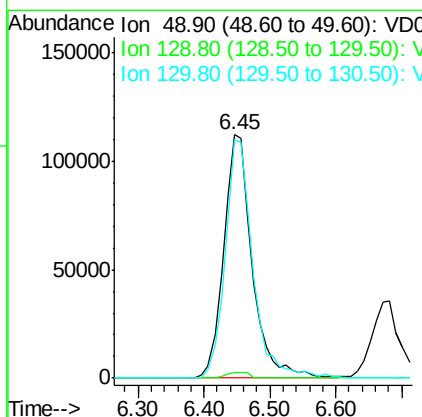
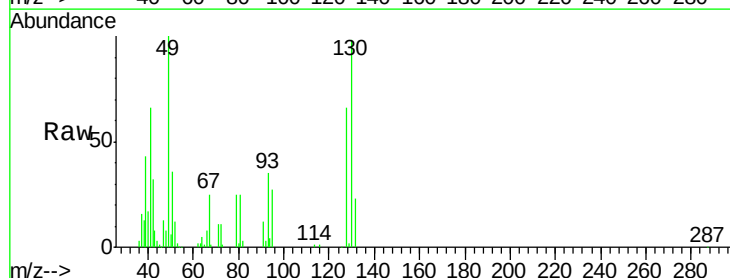
Tot Ion	Ratio	Lower	Upper
96	100		
61	146.5	0.0	304.0
98	61.6	0.0	124.8

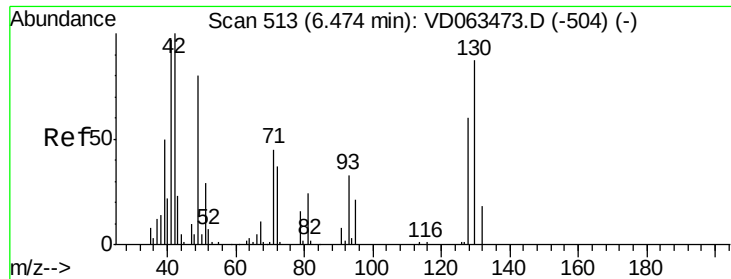


#28

Bromochloromethane
 Concen: 55.512 ug/l
 RT: 6.45 min Scan# 510
 Delta R.T. -0.01 min
 Lab File: VD063547.D
 Acq: 14 Aug 2019 00:20

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	6.4
130	98.0	72.4	108.6





#29

Tetrahydrofuran

Concen: 299.903 ug/l

RT: 6.47 min Scan# 512

Delta R.T. -0.01 min

Lab File: VD063547.D

Acq: 14 Aug 2019 00:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

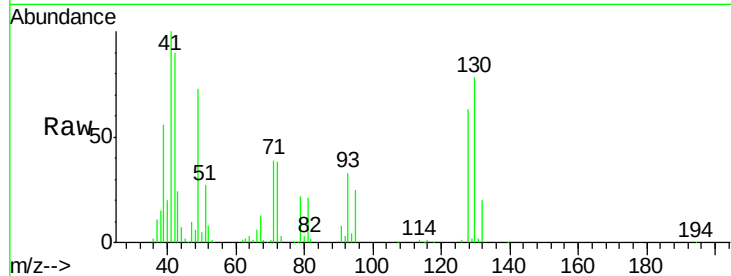
Tot Ion: 42 Resp: 289677

Ion Ratio Lower Upper

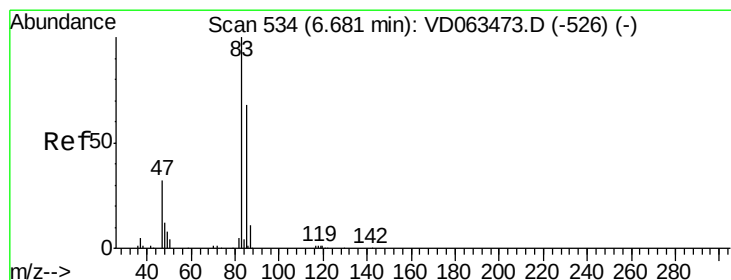
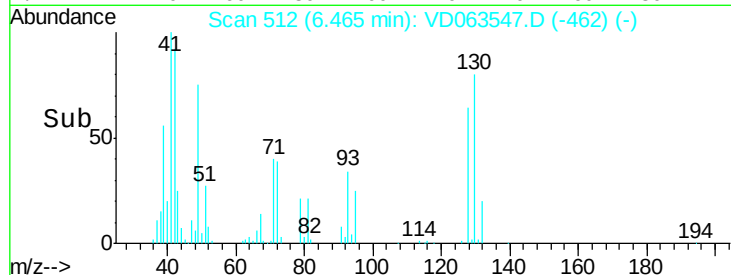
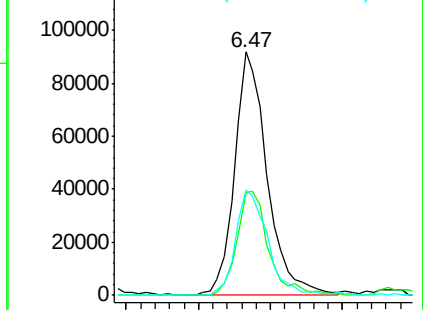
42 100

72 41.8 31.5 47.3

71 42.3 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: 57.545 ug/l

RT: 6.67 min Scan# 533

Delta R.T. -0.01 min

Lab File: VD063547.D

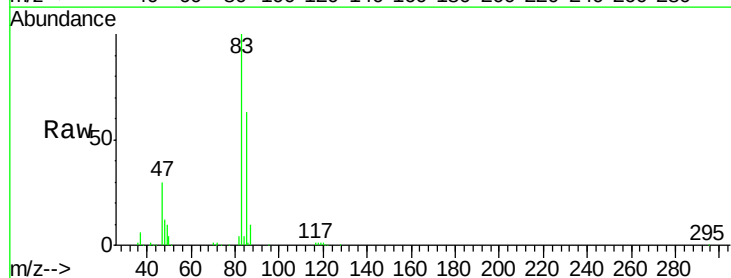
Acq: 14 Aug 2019 00:20

Tgt Ion: 83 Resp: 1074094

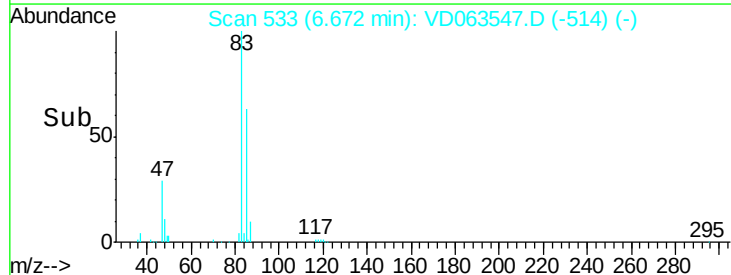
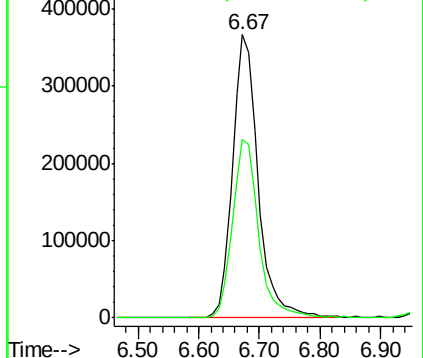
Ion Ratio Lower Upper

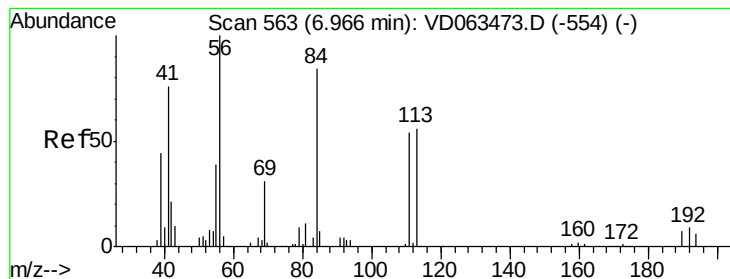
83 100

85 63.2 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: 55.288 ug/l

RT: 6.97 min Scan# 563

Delta R.T. 0.00 min

Lab File: VD063547.D

Acq: 14 Aug 2019 00:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

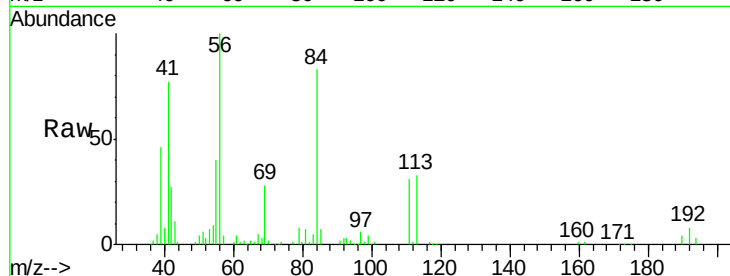
Tot Ion: 56 Resp: 515418

Ion Ratio Lower Upper

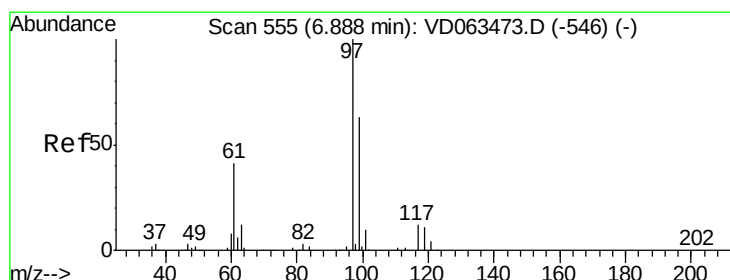
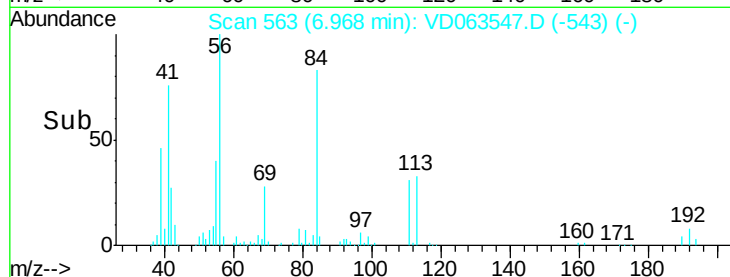
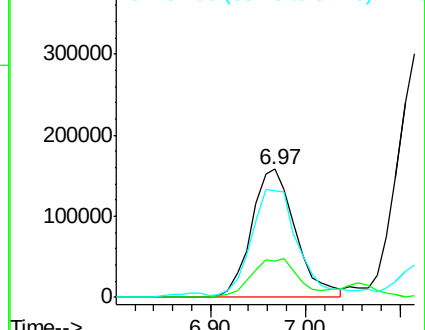
56 100

69 28.1 25.0 37.6

84 83.5 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: 57.848 ug/l

RT: 6.88 min Scan# 554

Delta R.T. -0.01 min

Lab File: VD063547.D

Acq: 14 Aug 2019 00:20

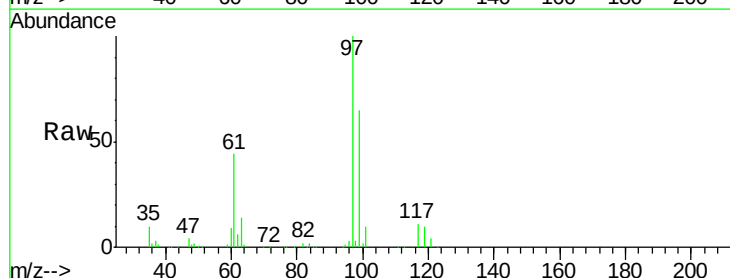
Tgt Ion: 97 Resp: 1032876

Ion Ratio Lower Upper

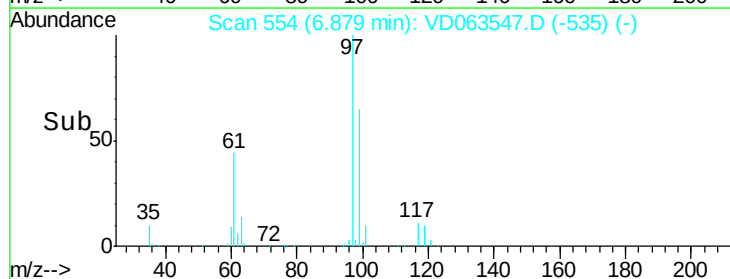
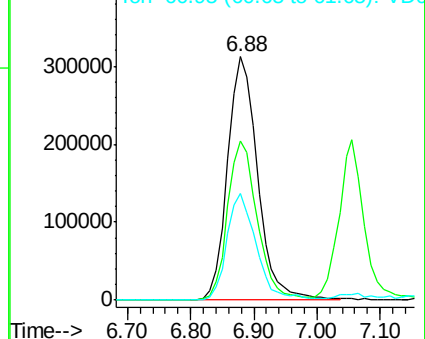
97 100

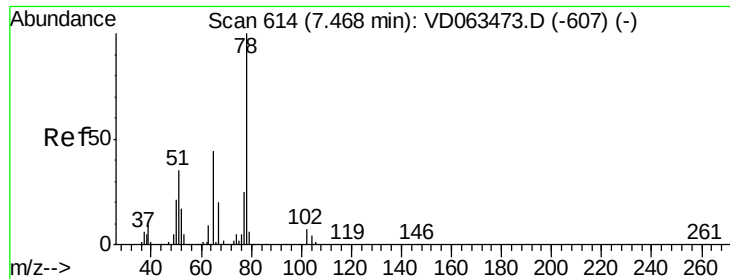
99 65.3 50.2 75.4

61 43.9 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

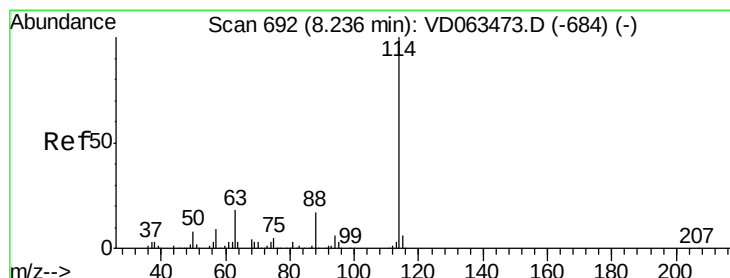
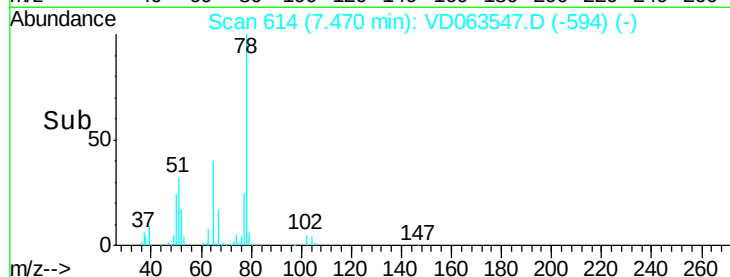
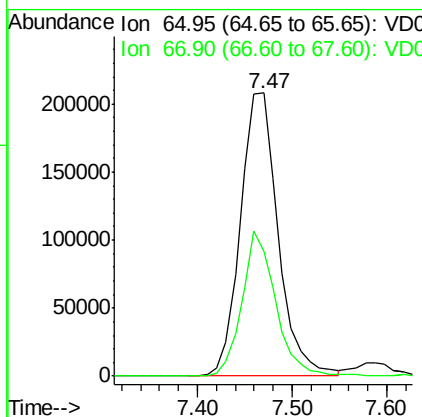
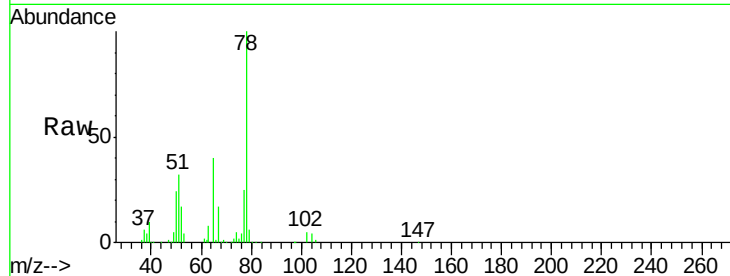




#33
 1,2-Dichloroethane-d4
 Concen: 55.873 ug/l
 RT: 7.47 min Scan# 614
 Delta R.T. 0.00 min
 Lab File: VD063547.D
 Acq: 14 Aug 2019 00:20

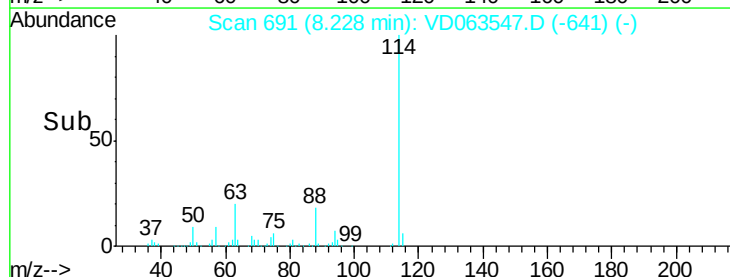
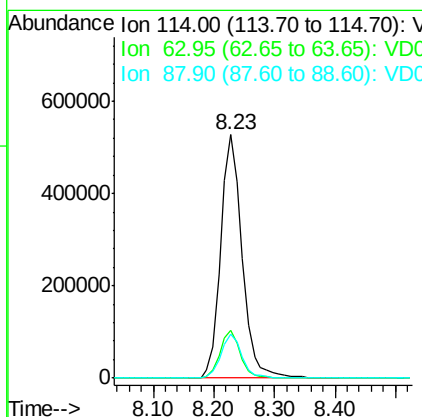
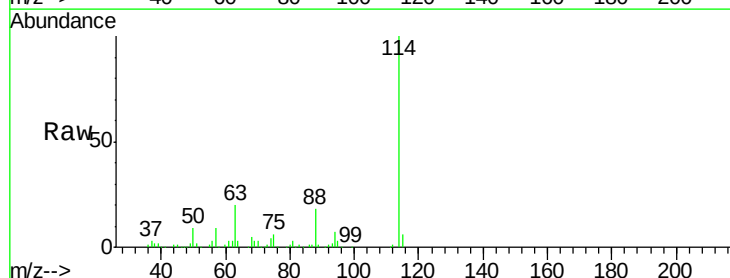
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

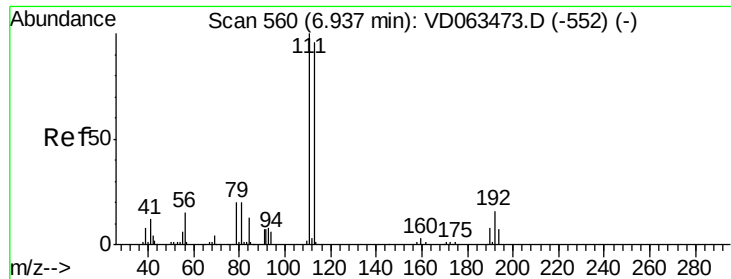
Tot Ion: 65 Resp: 576871
 Ion Ratio Lower Upper
 65 100
 67 44.2 0.0 89.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. -0.01 min
 Lab File: VD063547.D
 Acq: 14 Aug 2019 00:20

Tgt Ion: 114 Resp: 1296967
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 36.2
 88 18.0 0.0 35.0

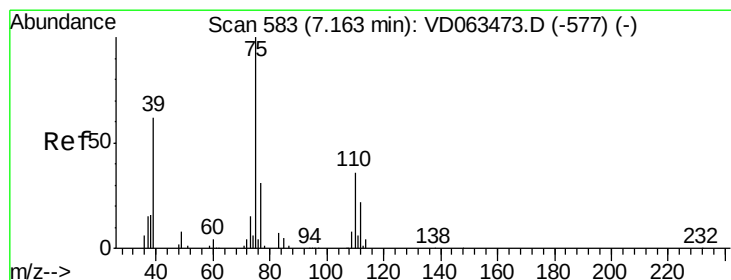
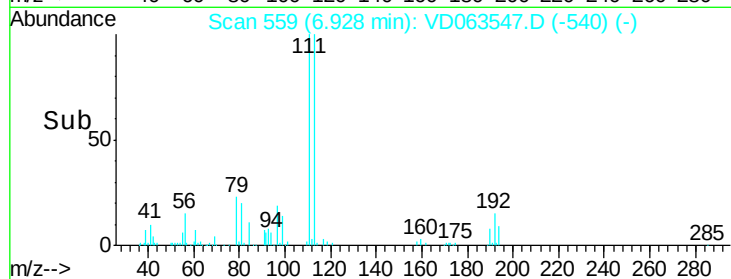
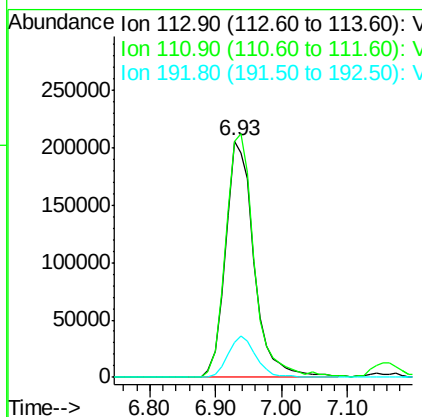
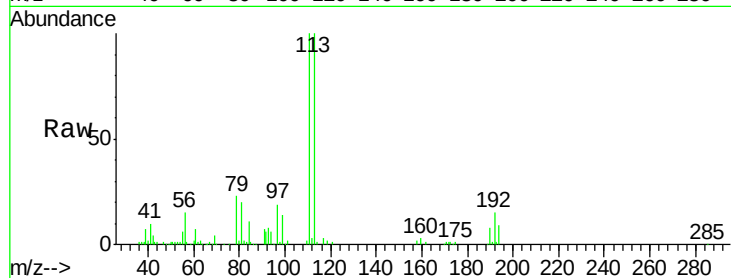




#35
 Dibromofluoromethane
 Concen: 57.107 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. -0.01 min
 Lab File: VD063547.D
 Acq: 14 Aug 2019 00:20

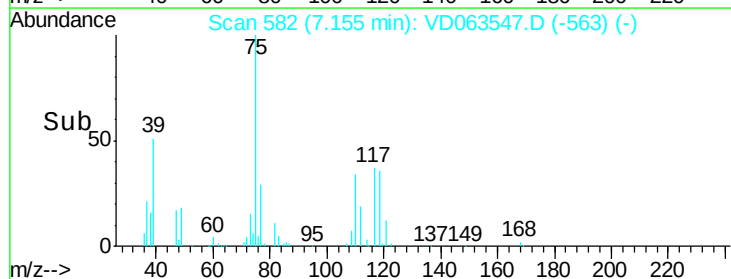
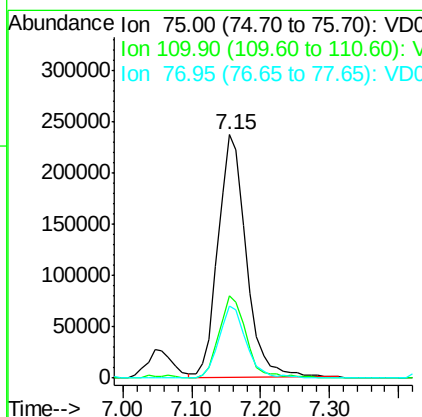
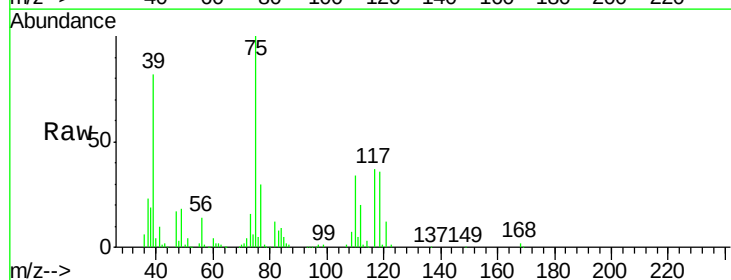
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

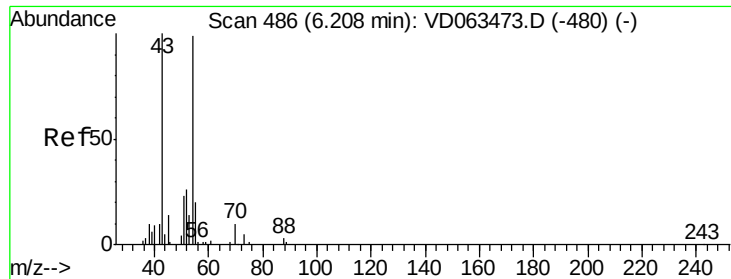
Tot Ion	Ratio	Lower	Upper
113	100		
111	99.7	83.1	124.7
192	14.7	13.1	19.7



#36
 1,1-Dichloropropene
 Concen: 58.170 ug/l
 RT: 7.15 min Scan# 582
 Delta R.T. -0.01 min
 Lab File: VD063547.D
 Acq: 14 Aug 2019 00:20

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.8	17.6	52.8
77	29.7	24.3	36.5

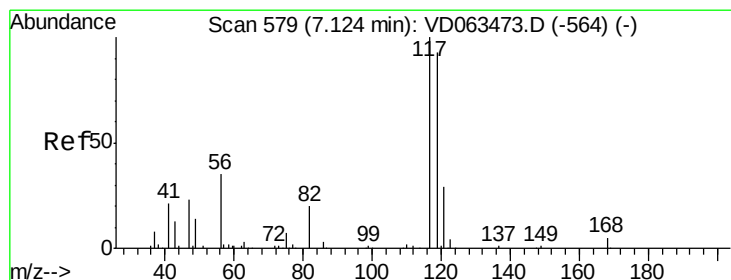
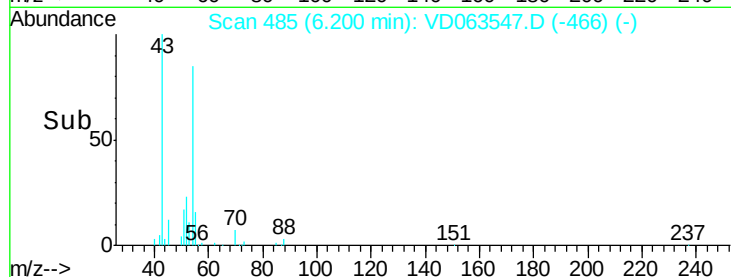
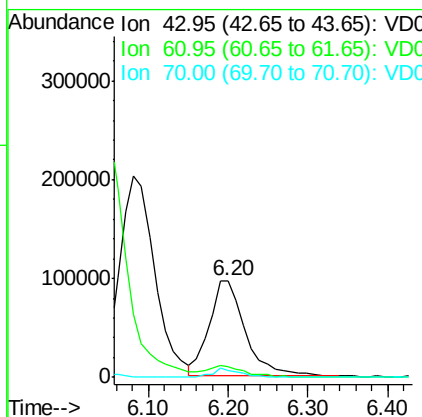
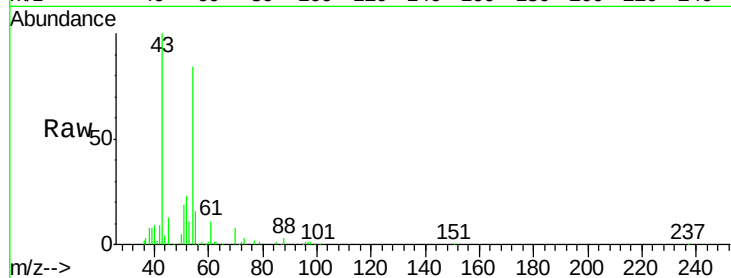




#37
Ethyl Acetate
Concen: 63.836 ug/l
RT: 6.20 min Scan# 485
Delta R.T. -0.01 min
Lab File: VD063547.D
Acq: 14 Aug 2019 00:20

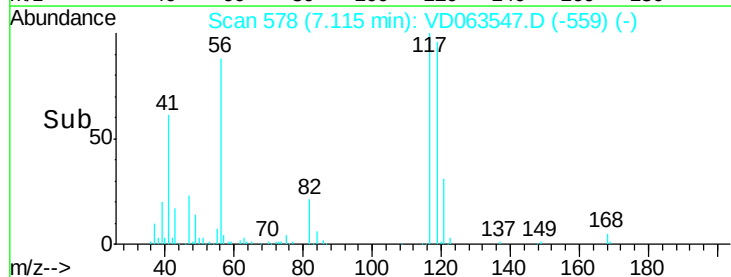
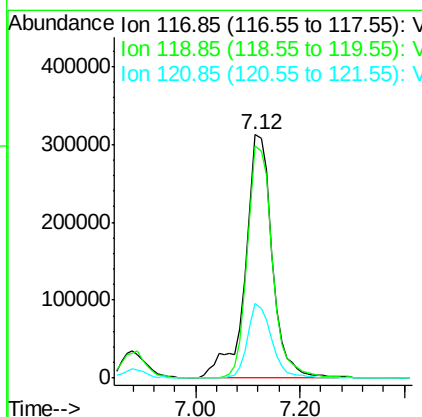
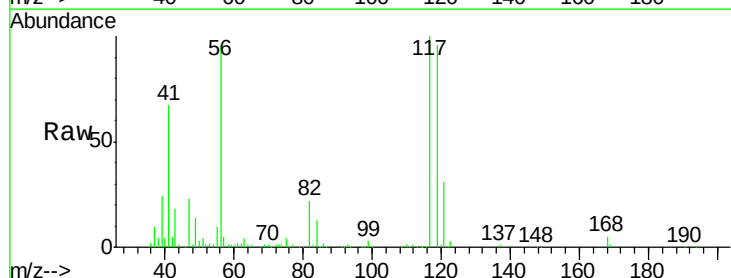
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

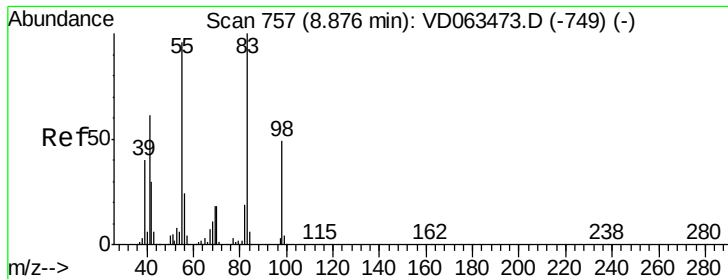
Tot Ion: 43 Resp: 306693
Ion Ratio Lower Upper
43 100
61 11.1 9.0 13.6
70 7.6 6.9 10.3



#38
Carbon Tetrachloride
Concen: 62.585 ug/l
RT: 7.12 min Scan# 578
Delta R.T. -0.01 min
Lab File: VD063547.D
Acq: 14 Aug 2019 00:20

Tgt Ion: 117 Resp: 1081458
Ion Ratio Lower Upper
117 100
119 95.5 74.2 111.2
121 30.8 23.1 34.7

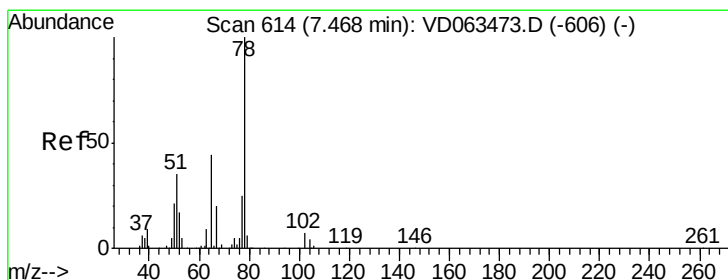
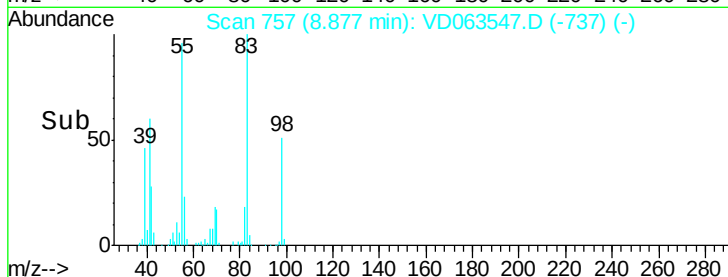
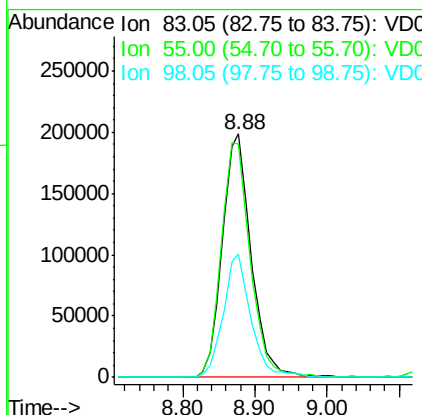
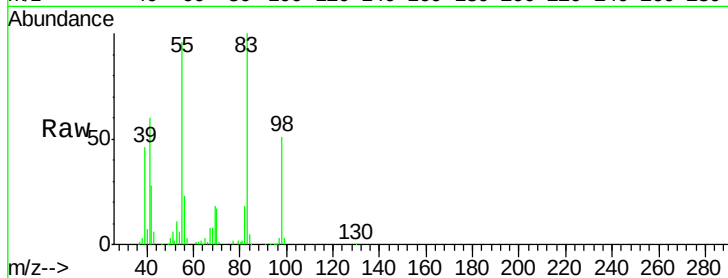




#39
Methylvlcyclohexane
Concen: 56.405 ug/l
RT: 8.88 min Scan# 757
Delta R.T. 0.00 min
Lab File: VD063547.D
Acq: 14 Aug 2019 00:20

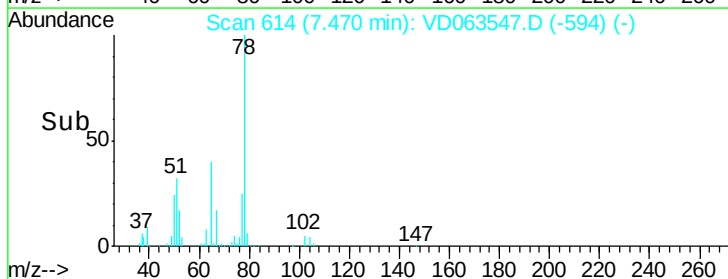
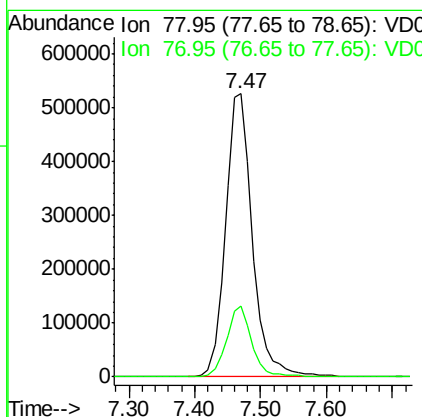
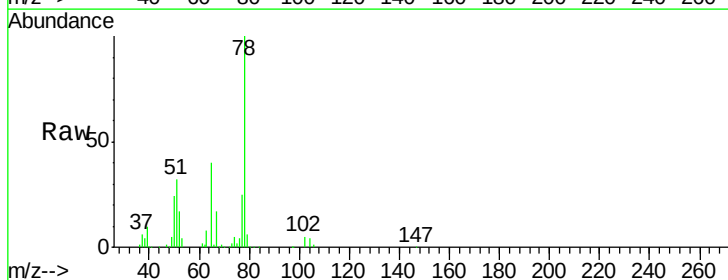
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

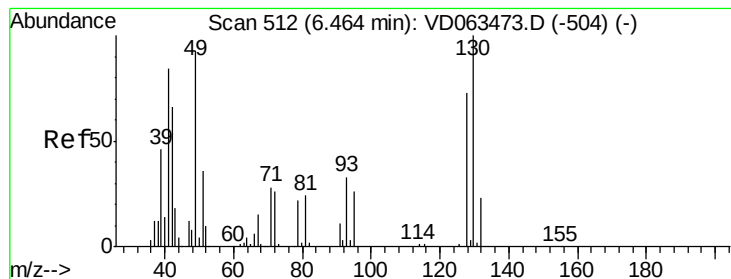
Tot Ion: 83 Resp: 549921
Ion Ratio Lower Upper
83 100
55 95.9 76.6 114.8
98 50.8 39.4 59.0



#40
Benzene
Concen: 59.335 ug/l
RT: 7.47 min Scan# 614
Delta R.T. 0.00 min
Lab File: VD063547.D
Acq: 14 Aug 2019 00:20

Tgt Ion: 78 Resp: 1497105
Ion Ratio Lower Upper
78 100
77 25.1 20.1 30.1





#41

Methacrylonitrile

Concen: 65.619 ug/l

RT: 6.47 min Scan# 512

Delta R.T. 0.00 min

Lab File: VD063547.D

Acq: 14 Aug 2019 00:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 396948

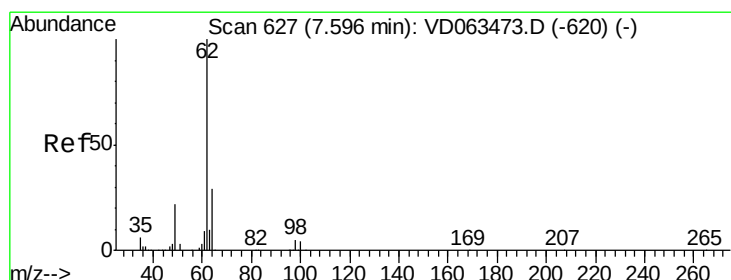
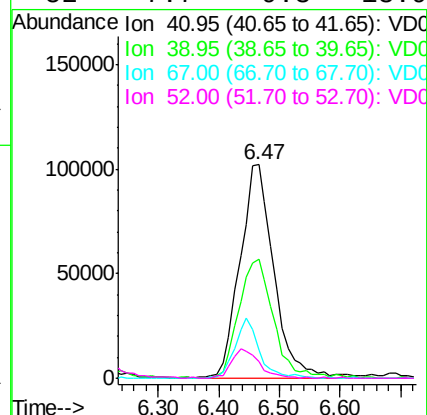
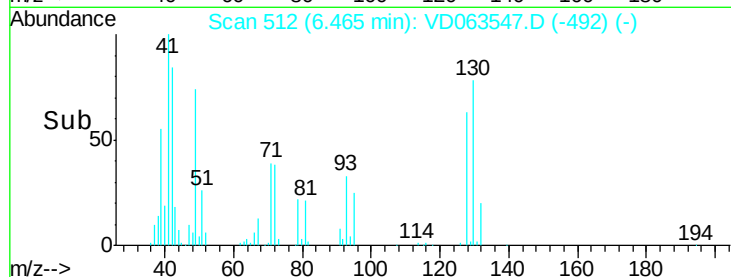
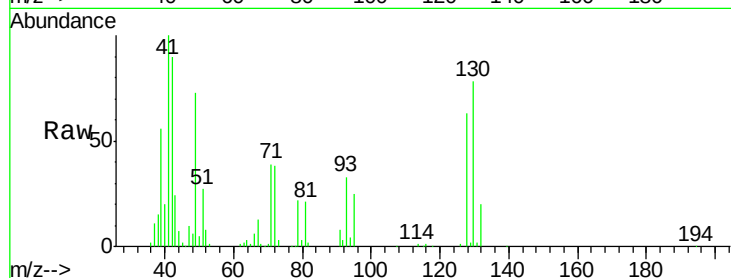
Ion	Ratio	Lower	Upper
41	100		
39	55.6	44.6	66.8
67	13.2	14.4	21.6#
52	7.7	9.3	13.9#

41 100

39 55.6 44.6 66.8

67 13.2 14.4 21.6#

52 7.7 9.3 13.9#



#42

1,2-Dichloroethane

Concen: 62.681 ug/l

RT: 7.59 min Scan# 626

Delta R.T. -0.01 min

Lab File: VD063547.D

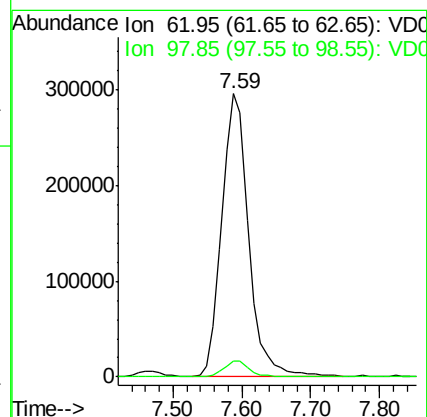
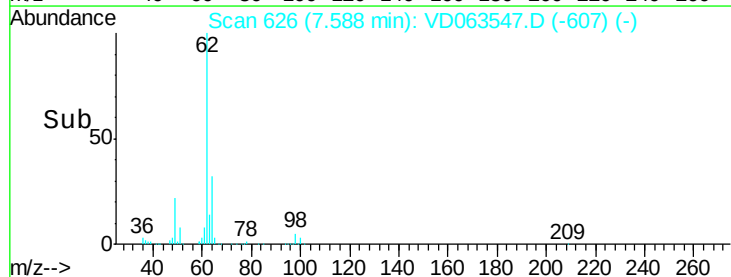
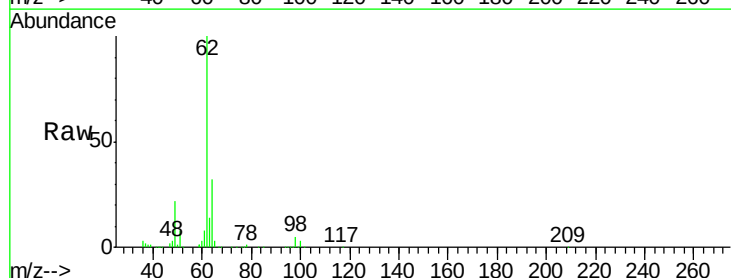
Acq: 14 Aug 2019 00:20

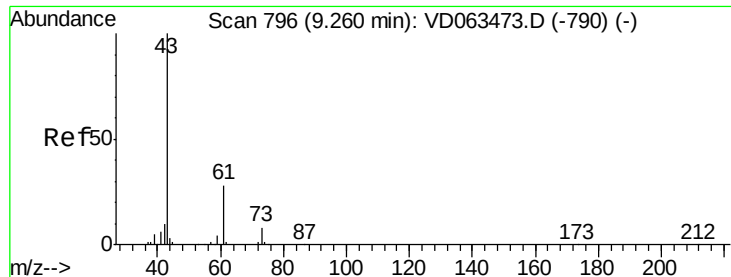
Tgt Ion: 62 Resp: 795234

Ion	Ratio	Lower	Upper
62	100		
98	5.4	0.0	10.4

62 100

98 5.4 0.0 10.4





#43

Isopropyl Acetate

Concen: 63.325 ug/l

RT: 9.25 min Scan# 795

Delta R.T. -0.01 min

Lab File: VD063547.D

Acq: 14 Aug 2019 00:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

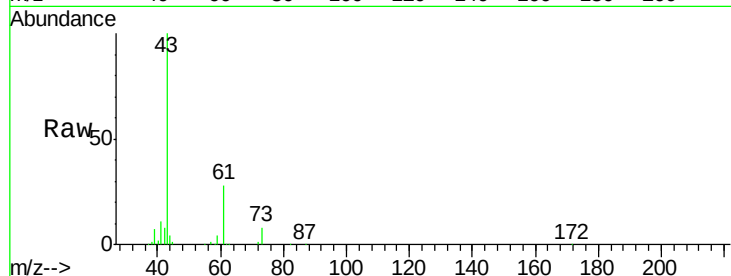
Tot Ion: 43 Resp: 407475

Ion Ratio Lower Upper

43 100

61 27.6 22.2 33.2

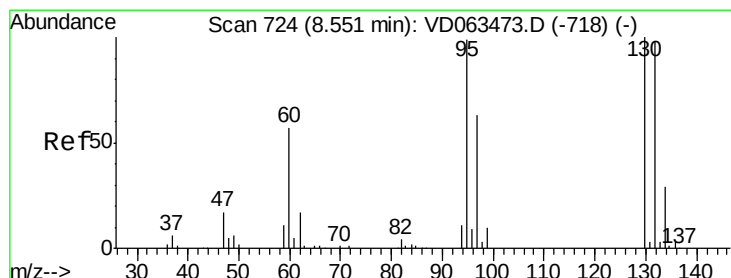
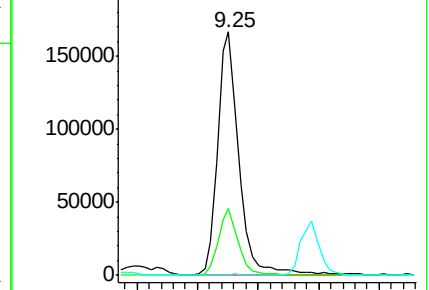
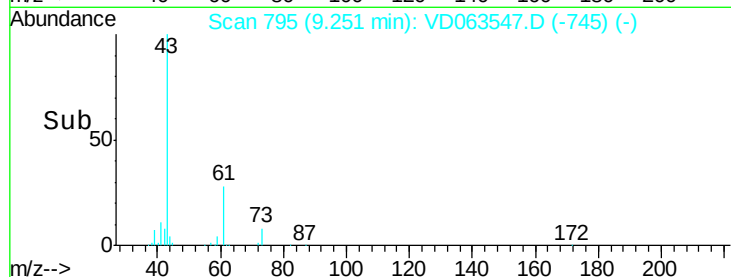
87 0.3 0.2 0.4



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: 60.781 ug/l

RT: 8.55 min Scan# 724

Delta R.T. 0.00 min

Lab File: VD063547.D

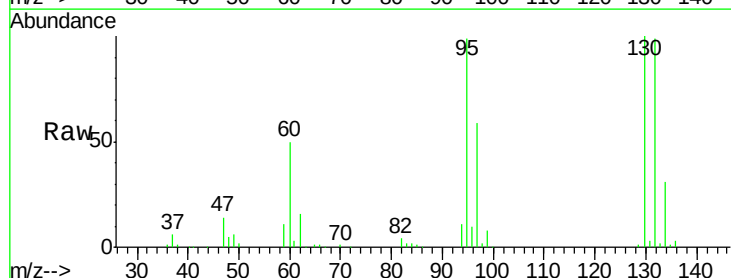
Acq: 14 Aug 2019 00:20

Tgt Ion: 130 Resp: 586170

Ion Ratio Lower Upper

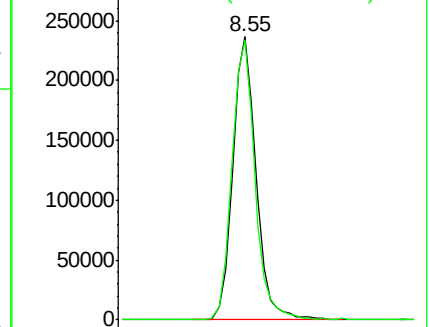
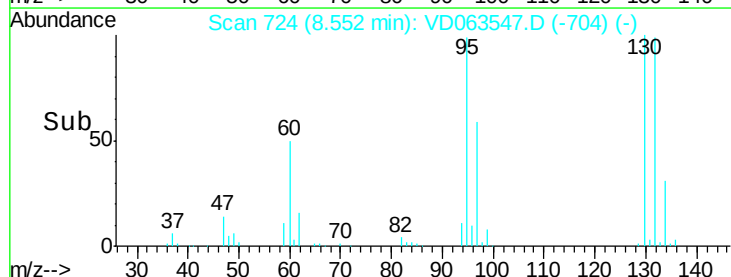
130 100

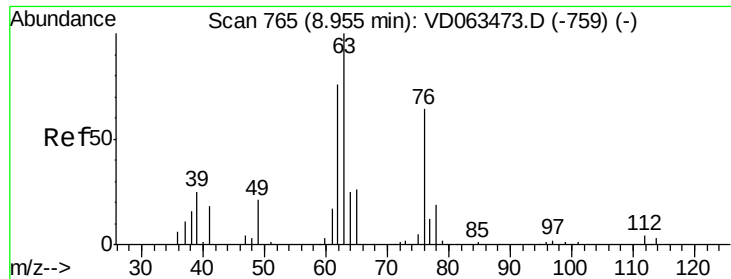
95 98.9 0.0 198.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 61.864 ug/l

RT: 8.95 min Scan# 764

Delta R.T. -0.01 min

Lab File: VD063547.D

Acq: 14 Aug 2019 00:20

Instrument :

MSVOA_D

ClientSampleId :

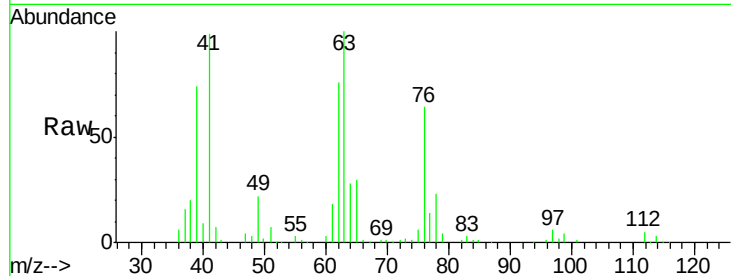
VSTDCCC050EC

Tot Ion: 63 Resp: 363498

Ion Ratio Lower Upper

63 100

65 30.2 22.5 33.7



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.95

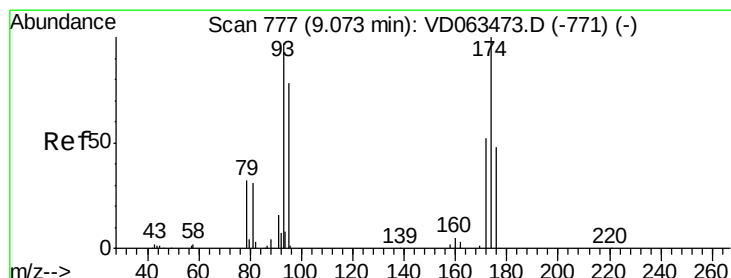
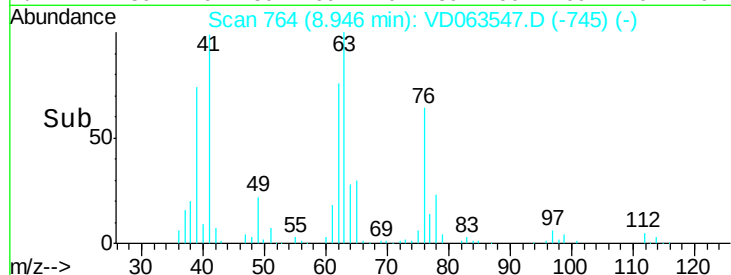
150000

100000

50000

0

Time--> 8.70 8.80 8.90 9.00 9.10



#46

Dibromomethane

Concen: 62.556 ug/l

RT: 9.06 min Scan# 776

Delta R.T. -0.01 min

Lab File: VD063547.D

Acq: 14 Aug 2019 00:20

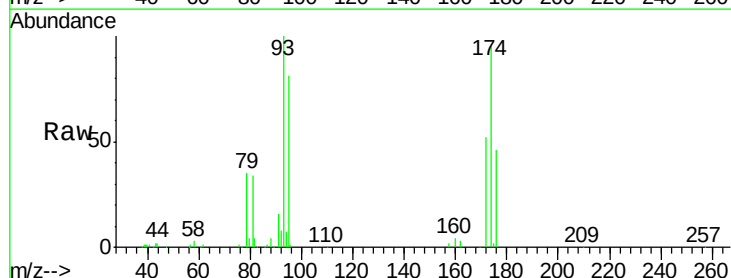
Tgt Ion: 93 Resp: 313896

Ion Ratio Lower Upper

93 100

95 80.9 64.2 96.2

174 95.1 82.1 123.1



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

200000

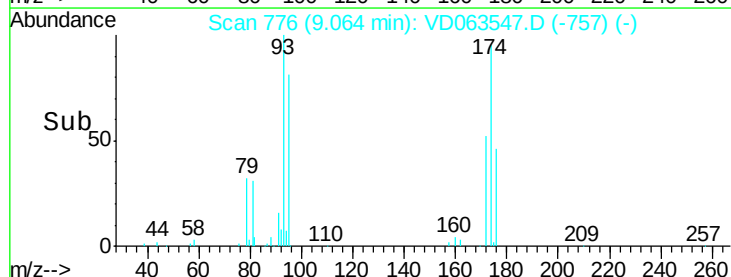
150000

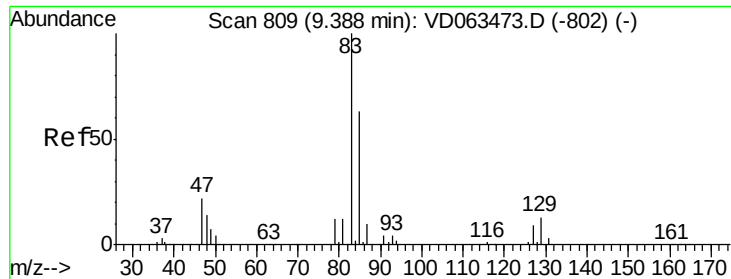
100000

50000

0

Time--> 9.00 9.10 9.20





#47

Bromodichloromethane

Concen: 63.690 ug/l

RT: 9.39 min Scan# 809

Delta R.T. 0.00 min

Lab File: VD063547.D

Acq: 14 Aug 2019 00:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

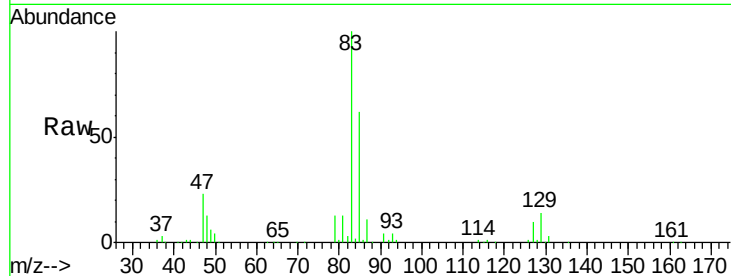
Tot Ion: 83 Resp: 819772

Ion Ratio Lower Upper

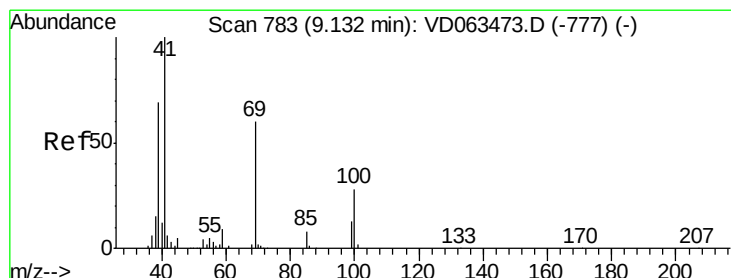
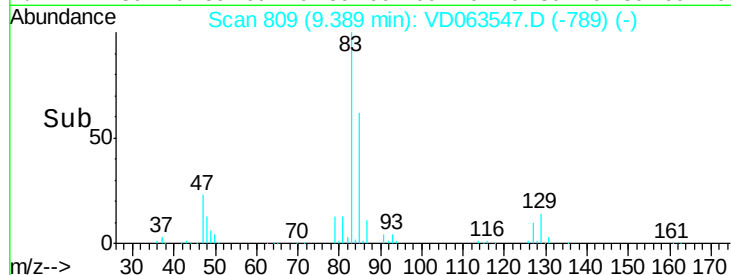
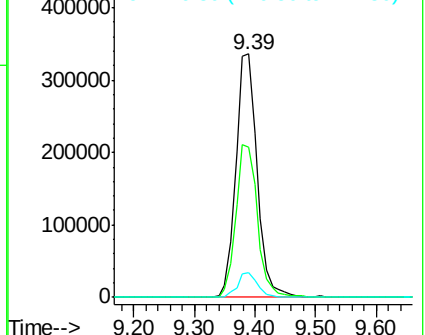
83 100

85 61.9 50.1 75.1

127 10.0 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: 67.825 ug/l

RT: 9.12 min Scan# 782

Delta R.T. -0.01 min

Lab File: VD063547.D

Acq: 14 Aug 2019 00:20

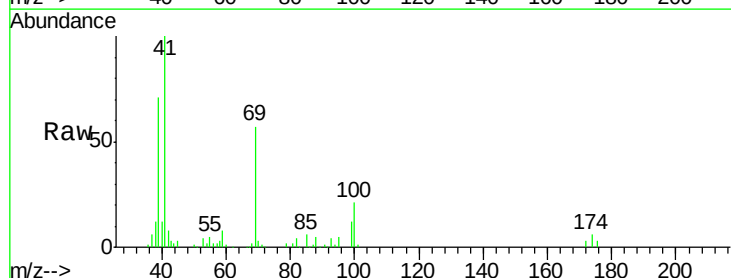
Tgt Ion: 41 Resp: 295976

Ion Ratio Lower Upper

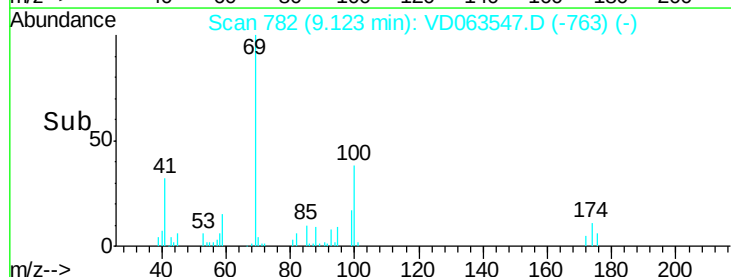
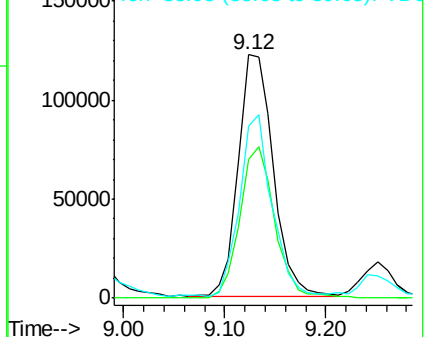
41 100

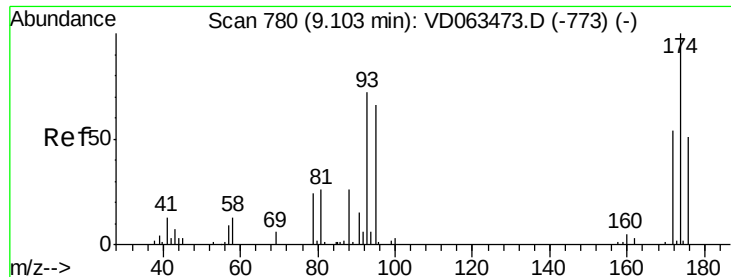
69 57.2 47.6 71.4

39 70.5 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

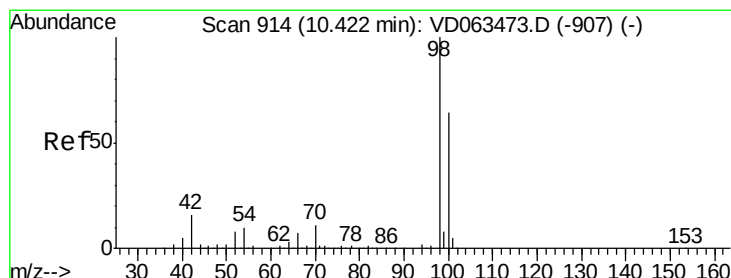
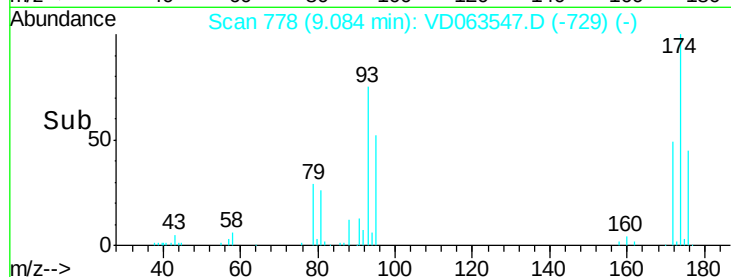
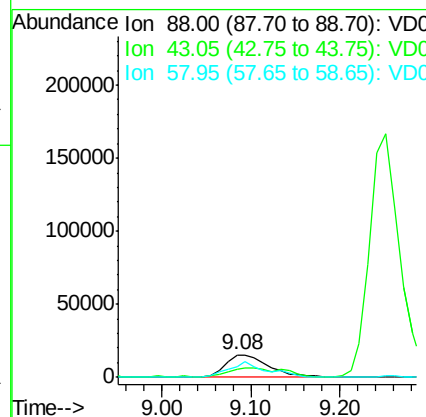
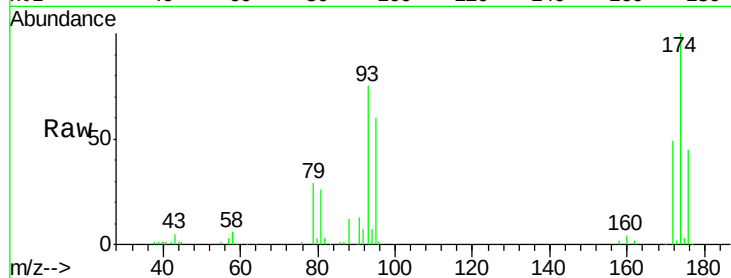




#49
1,4-Dioxane
Concen: 1335.909 ug/l
RT: 9.08 min Scan# 778
Delta R.T. -0.02 min
Lab File: VD063547.D
Acq: 14 Aug 2019 00:20

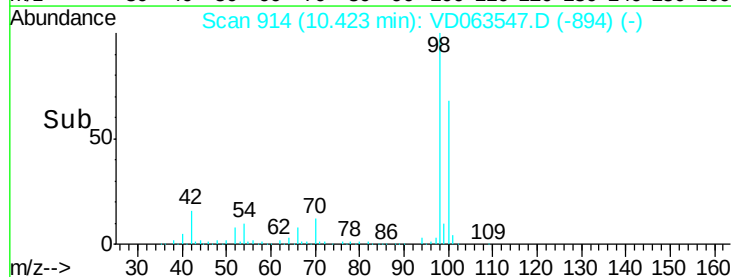
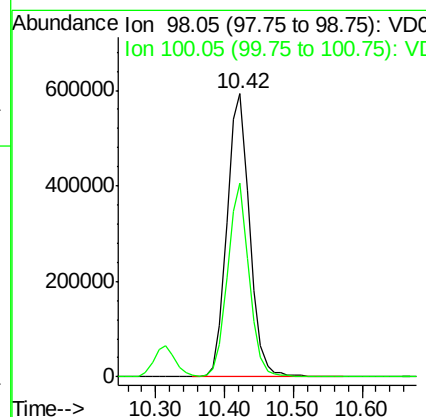
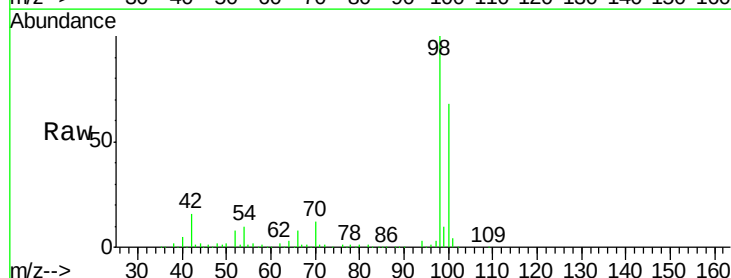
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

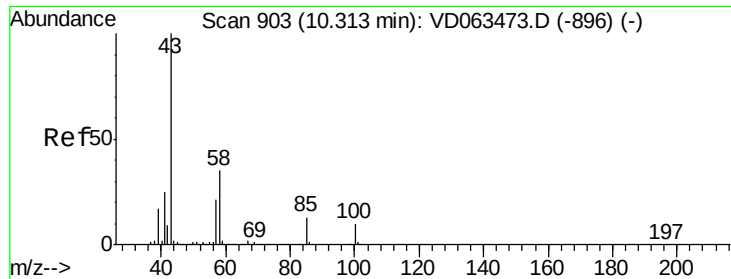
Tot Ion: 88 Resp: 52390
Ion Ratio Lower Upper
88 100
43 38.4 22.9 34.3#
58 46.6 40.1 60.1



#50
Toluene-d8
Concen: 56.020 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD063547.D
Acq: 14 Aug 2019 00:20

Tgt Ion: 98 Resp: 1345315
Ion Ratio Lower Upper
98 100
100 68.4 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 326.383 ug/l

RT: 10.31 min Scan# 903

Delta R.T. 0.00 min

Lab File: VD063547.D

Acq: 14 Aug 2019 00:20

Instrument :

MSVOA_D

ClientSampleId :

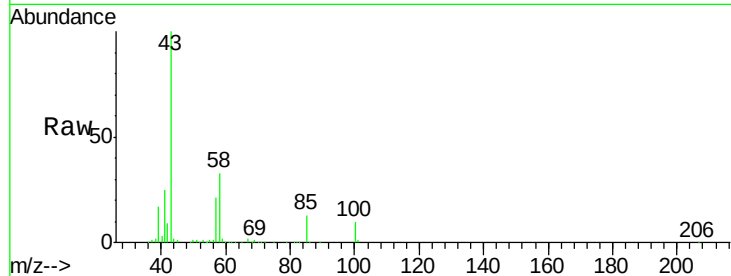
VSTDCCC050EC

Tot Ion: 43 Resp: 1437073

Ion Ratio Lower Upper

43 100

58 33.2 28.0 42.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.31

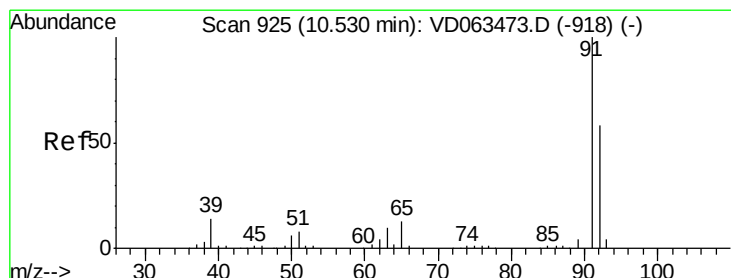
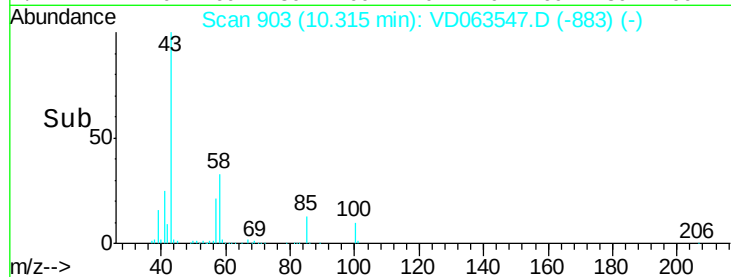
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 59.201 ug/l

RT: 10.52 min Scan# 924

Delta R.T. -0.01 min

Lab File: VD063547.D

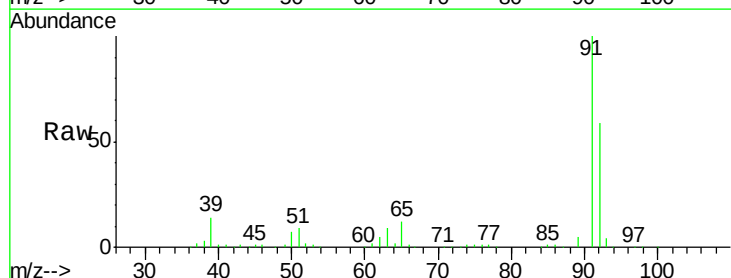
Acq: 14 Aug 2019 00:20

Tgt Ion: 92 Resp: 962107

Ion Ratio Lower Upper

92 100

91 170.9 137.9 206.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

800000

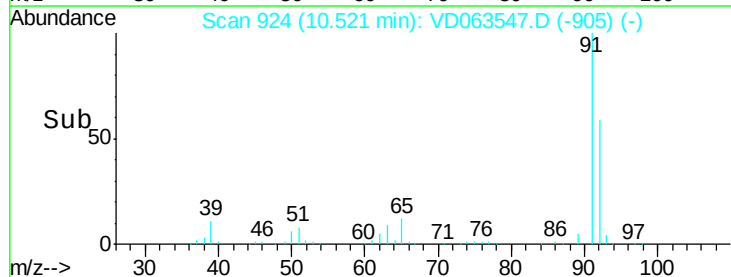
600000

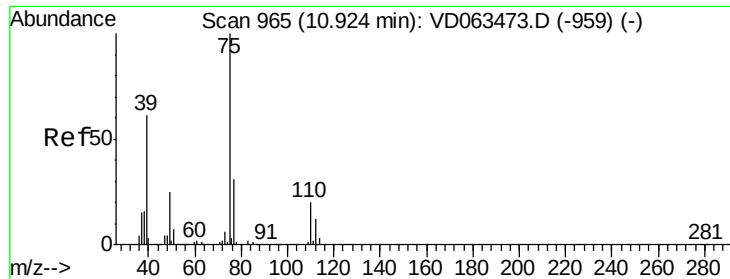
400000

200000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 66.226 ug/l

RT: 10.92 min Scan# 965

Delta R.T. 0.00 min

Lab File: VD063547.D

Acq: 14 Aug 2019 00:20

Instrument :

MSVOA_D

ClientSampleId :

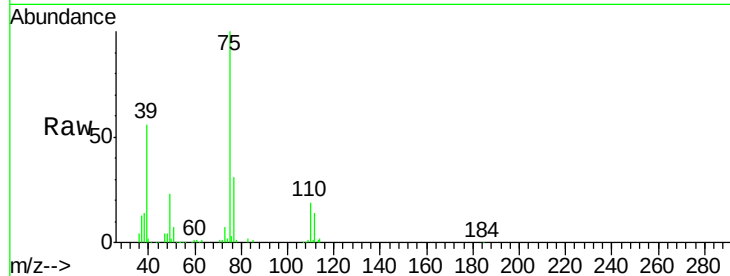
VSTDCCC050EC

Tot Ion: 75 Resp: 695656

Ion Ratio Lower Upper

75 100

77 30.7 24.5 36.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

10.92

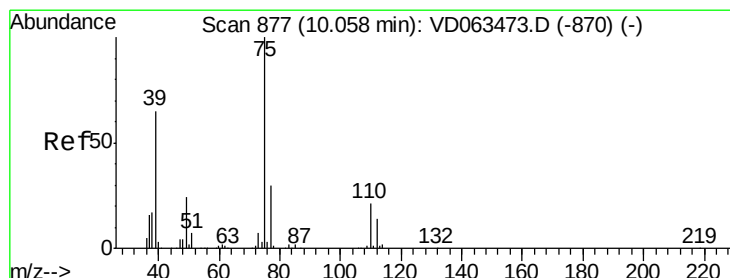
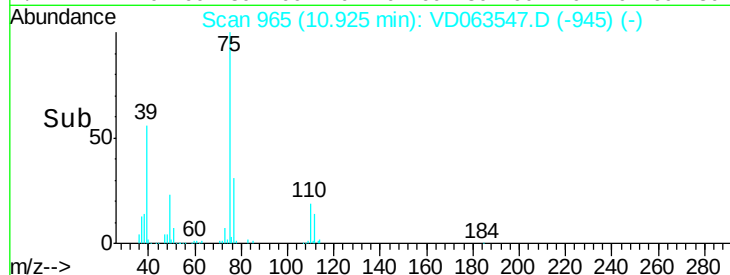
300000

200000

100000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 58.362 ug/l

RT: 10.05 min Scan# 876

Delta R.T. -0.01 min

Lab File: VD063547.D

Acq: 14 Aug 2019 00:20

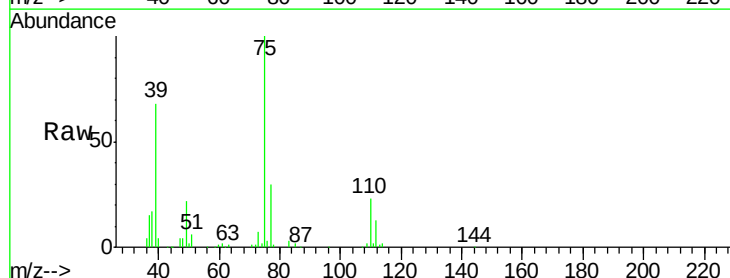
Tgt Ion: 75 Resp: 691254

Ion Ratio Lower Upper

75 100

77 30.5 23.7 35.5

39 68.4 52.2 78.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

10.05

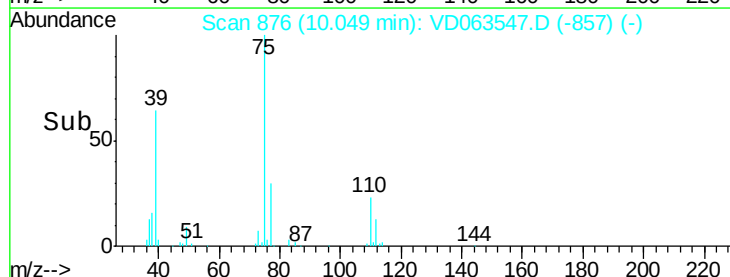
300000

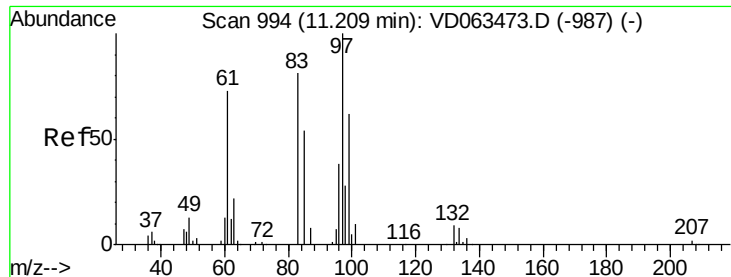
200000

100000

0

Time-->

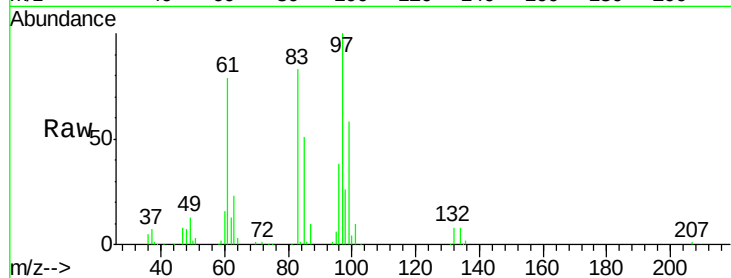




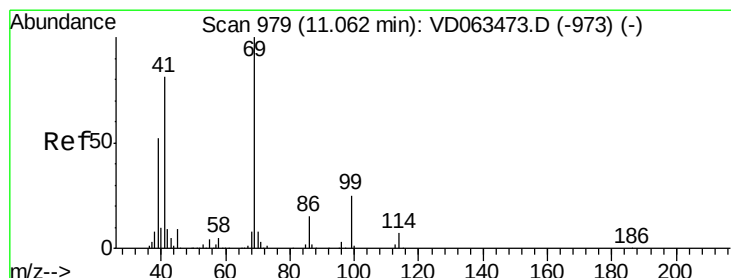
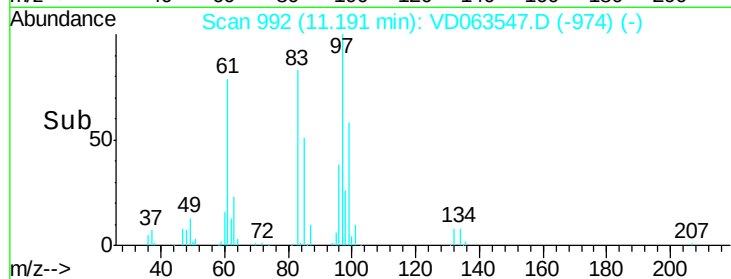
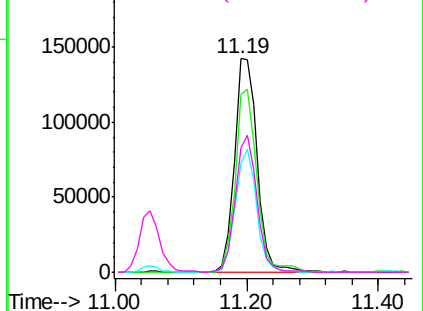
#55
 1,1,2-Trichloroethane
 Concen: 62.739 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. -0.02 min
 Lab File: VD063547.D
 Acq: 14 Aug 2019 00:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	344418
Ion	Ratio	Lower	Upper
97	100		
83	83.4	64.7	97.1
85	50.7	42.9	64.3
99	57.9	49.7	74.5

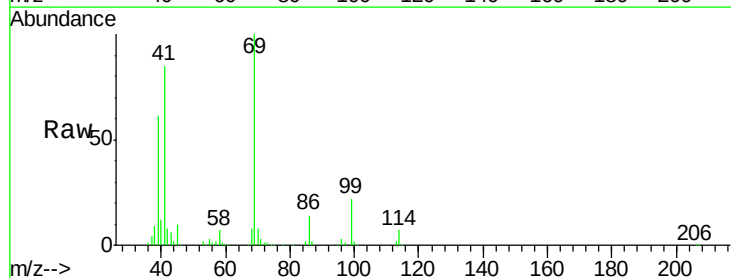


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

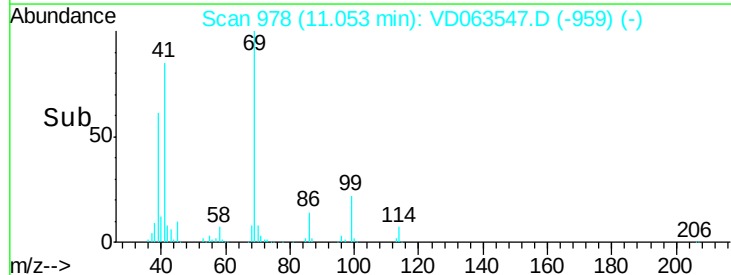
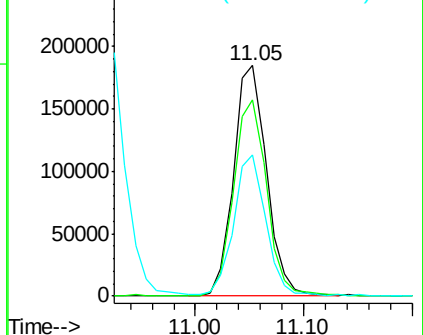


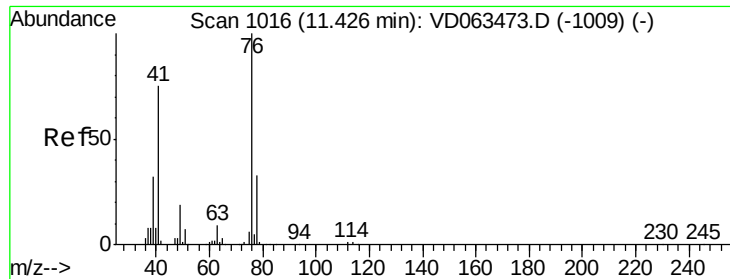
#56
 Ethyl methacrylate
 Concen: 65.825 ug/l
 RT: 11.05 min Scan# 978
 Delta R.T. -0.01 min
 Lab File: VD063547.D
 Acq: 14 Aug 2019 00:20

Tgt Ion:	69	Resp:	392214
Ion	Ratio	Lower	Upper
69	100		
41	85.2	64.8	97.2
39	60.9	42.4	63.6



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





#57

1,3-Dichloropropane

Concen: 65.003 ug/l

RT: 11.42 min Scan# 1015

Delta R.T. -0.01 min

Lab File: VD063547.D

Acq: 14 Aug 2019 00:20

Instrument :

MSVOA_D

ClientSampleId :

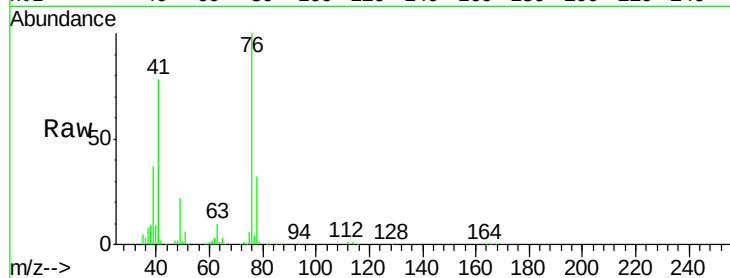
VSTDCCC050EC

Tot Ion: 76 Resp: 539401

Ion Ratio Lower Upper

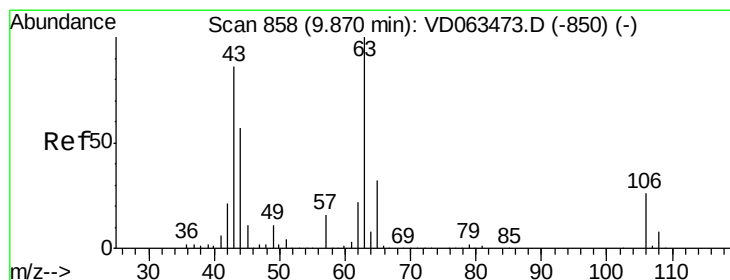
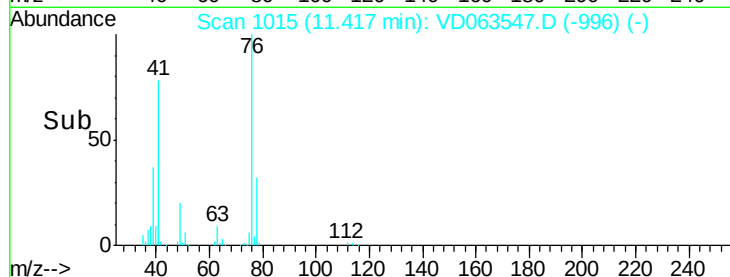
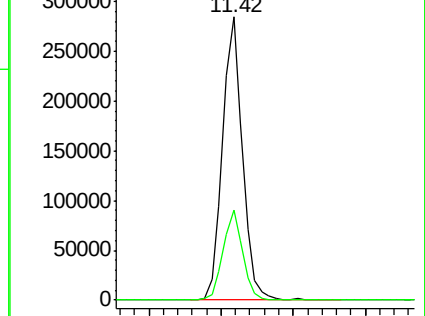
76 100

78 31.7 26.3 39.5



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 299.175 ug/l

RT: 9.87 min Scan# 858

Delta R.T. 0.00 min

Lab File: VD063547.D

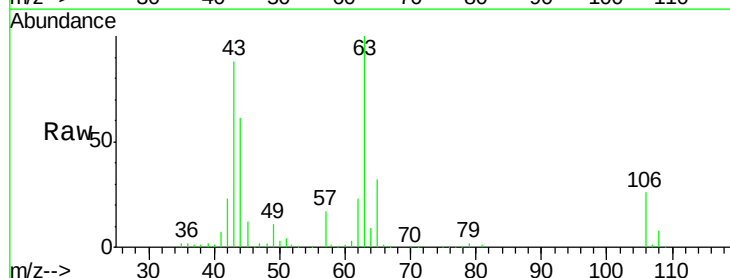
Acq: 14 Aug 2019 00:20

Tgt Ion: 63 Resp: 941107

Ion Ratio Lower Upper

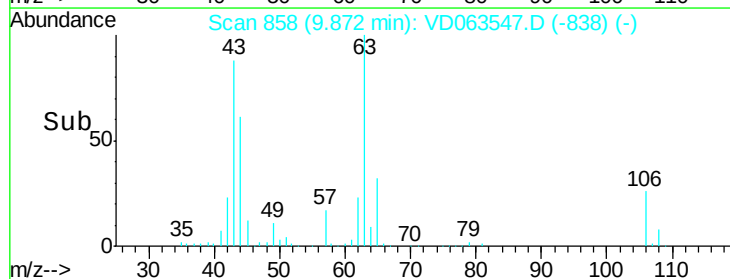
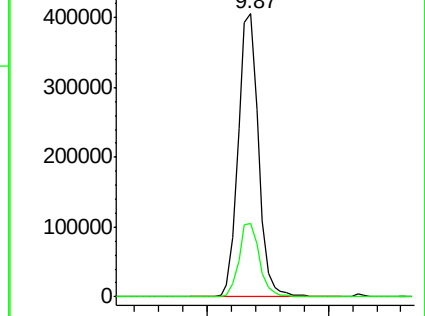
63 100

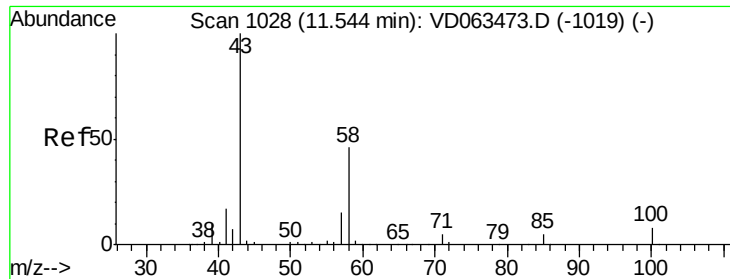
106 26.1 20.8 31.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

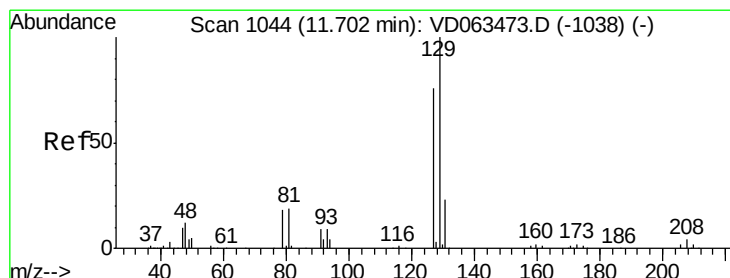
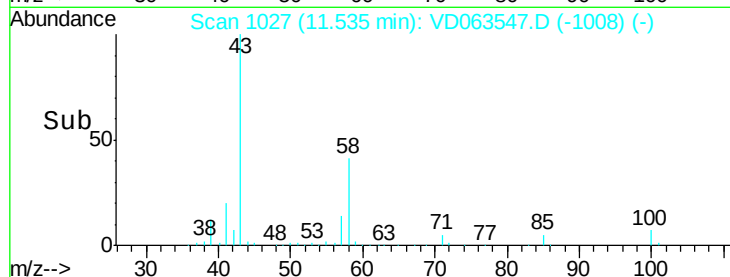
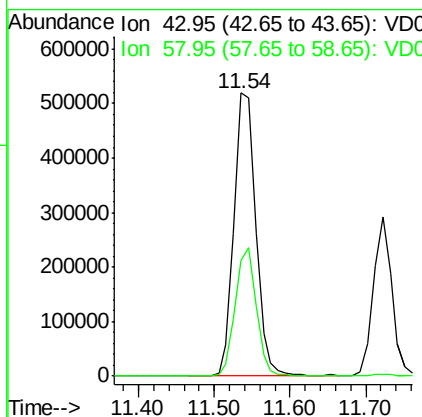
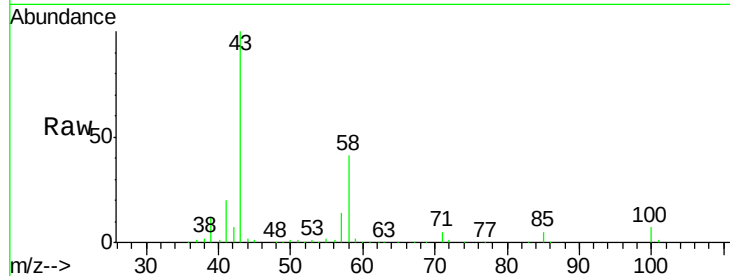




#59
2-Hexanone
Concen: 323.046 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. -0.01 min
Lab File: VD063547.D
Acq: 14 Aug 2019 00:20

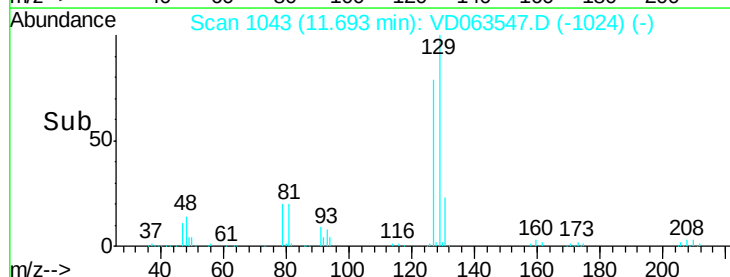
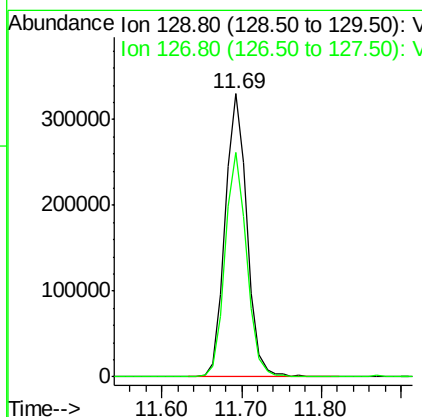
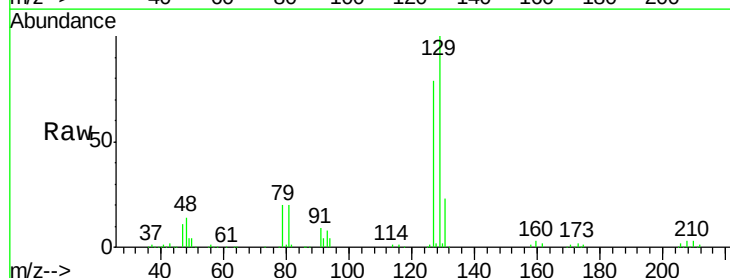
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

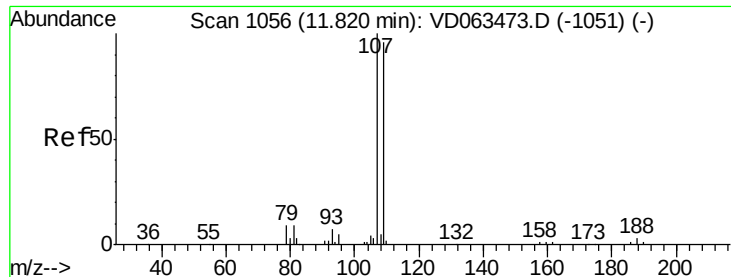
Tot Ion: 43 Resp: 1034964
Ion Ratio Lower Upper
43 100
58 40.9 23.1 69.2



#60
Dibromochloromethane
Concen: 63.987 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VD063547.D
Acq: 14 Aug 2019 00:20

Tgt Ion: 129 Resp: 639183
Ion Ratio Lower Upper
129 100
127 79.3 37.8 113.4





#61

1,2-Dibromoethane

Concen: 63.983 ug/l

RT: 11.81 min Scan# 1055

Delta R.T. -0.01 min

Lab File: VD063547.D

Acq: 14 Aug 2019 00:20

Instrument :

MSVOA_D

ClientSampleId :

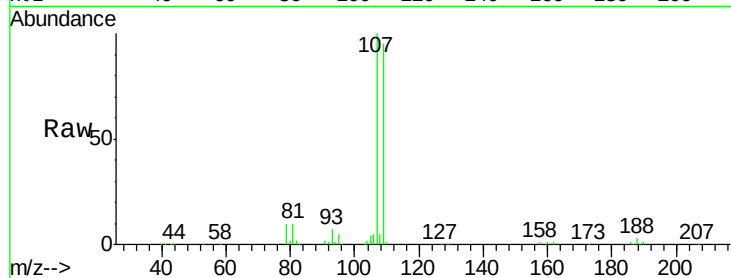
VSTDCCC050EC

Tot Ion:107 Resp: 425209

Ion Ratio Lower Upper

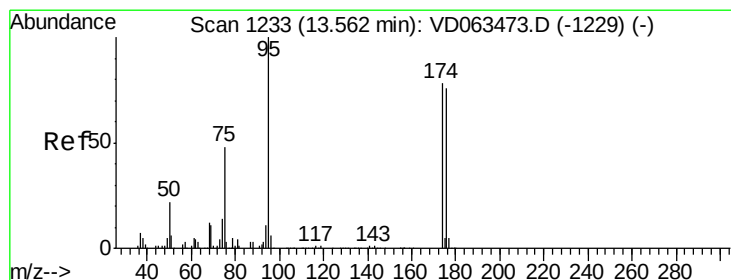
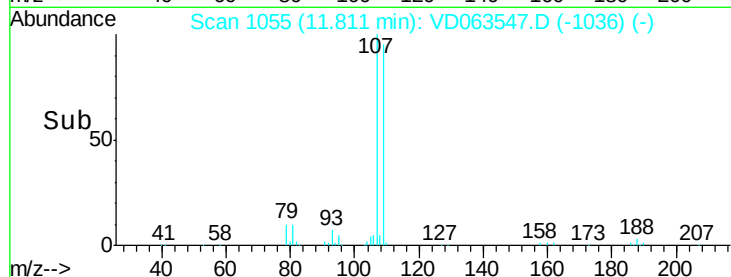
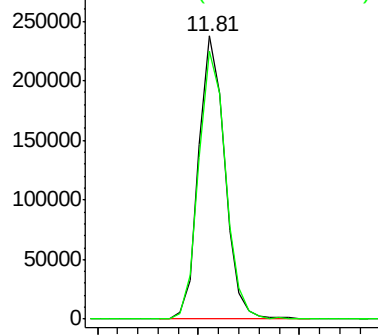
107 100

109 94.8 76.8 115.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 54.952 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VD063547.D

Acq: 14 Aug 2019 00:20

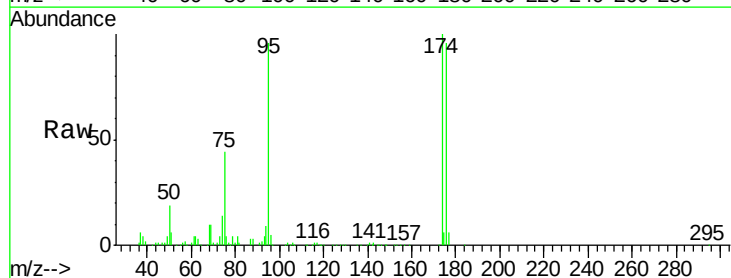
Tgt Ion: 95 Resp: 598134

Ion Ratio Lower Upper

95 100

174 103.8 0.0 155.4

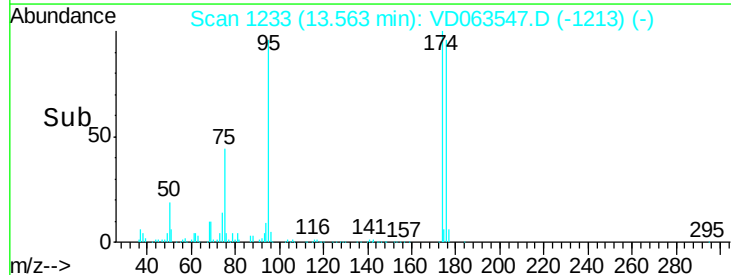
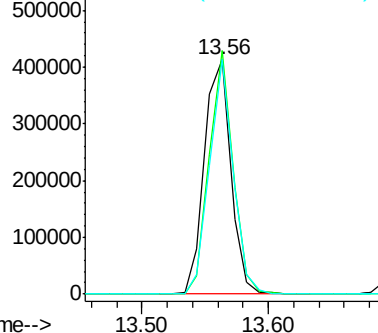
176 100.2 0.0 152.4

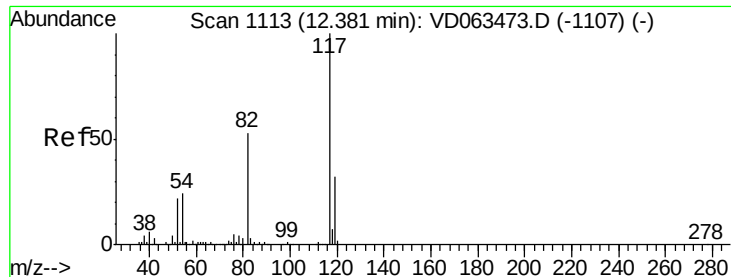


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

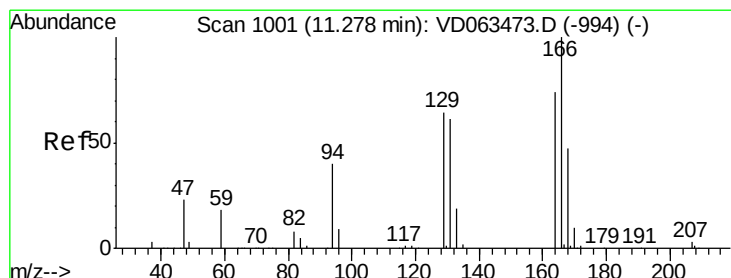
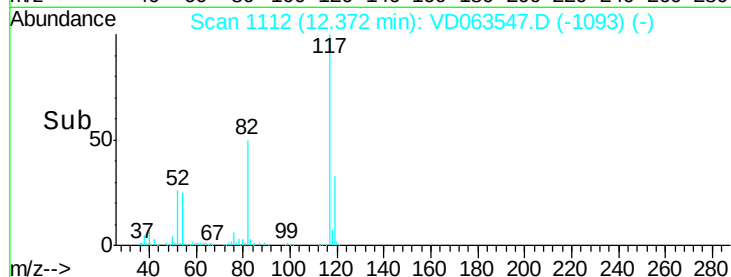
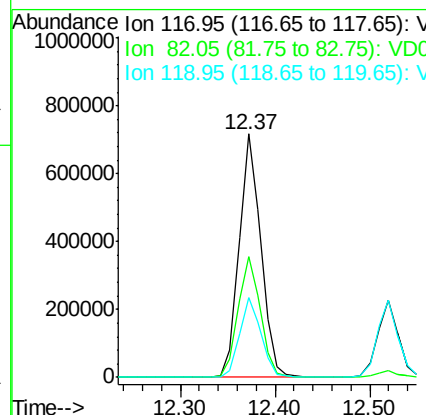
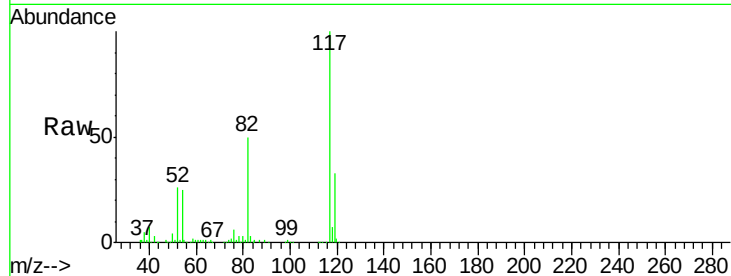




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VD063547.D
Acq: 14 Aug 2019 00:20

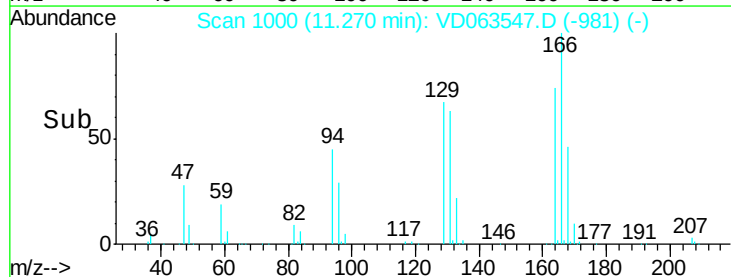
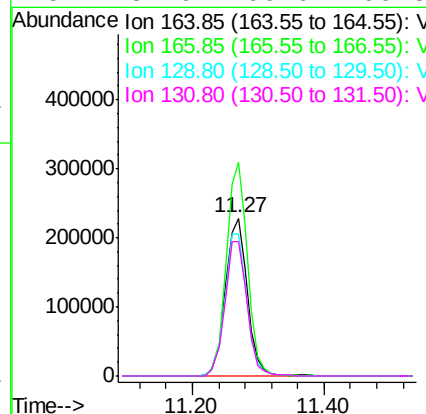
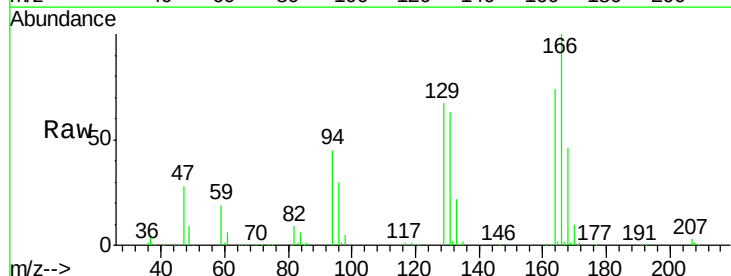
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

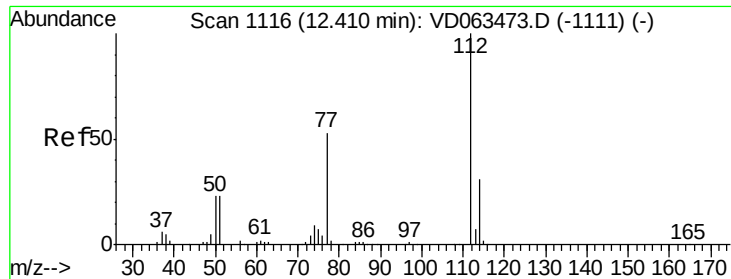
Tot Ion:117 Resp: 1146006
Ion Ratio Lower Upper
117 100
82 49.5 42.0 63.0
119 32.9 25.4 38.0



#64
Tetrachloroethene
Concen: 59.837 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. -0.01 min
Lab File: VD063547.D
Acq: 14 Aug 2019 00:20

Tgt Ion:164 Resp: 529370
Ion Ratio Lower Upper
164 100
166 135.3 108.6 163.0
129 90.3 69.0 103.6
131 84.9 66.6 99.8

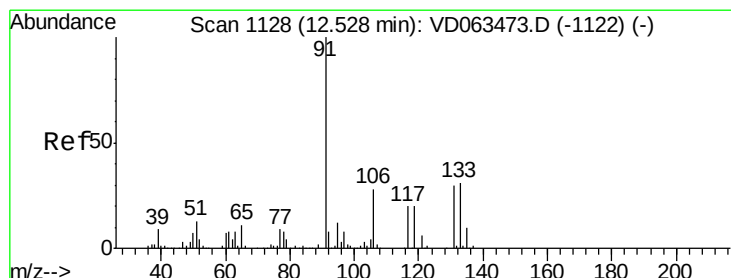
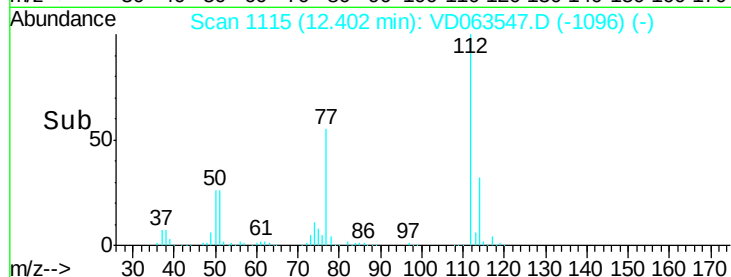
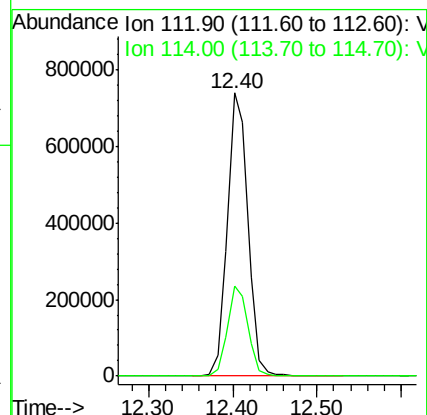
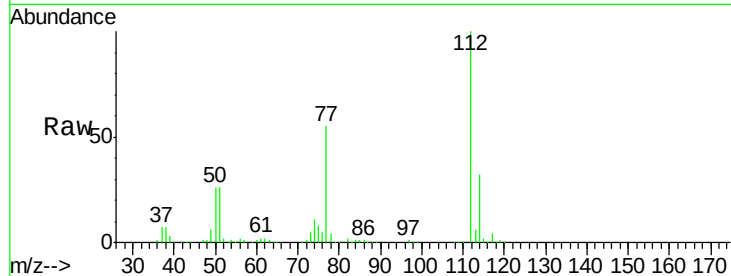




#65
Chlorobenzene
Concen: 58.249 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. -0.01 min
Lab File: VD063547.D
Acq: 14 Aug 2019 00:20

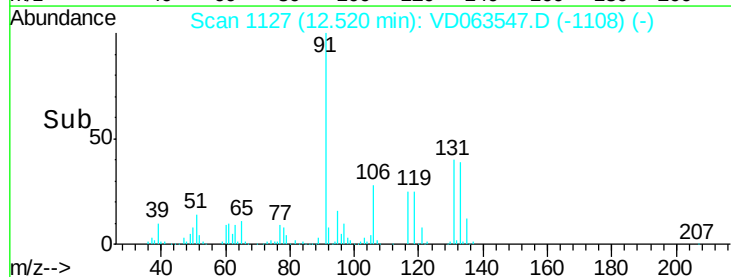
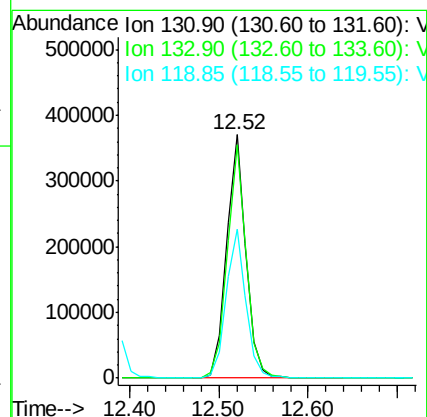
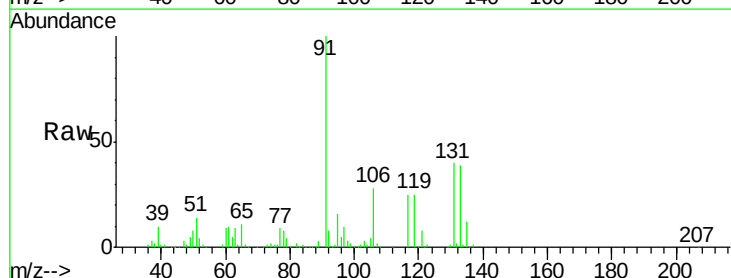
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

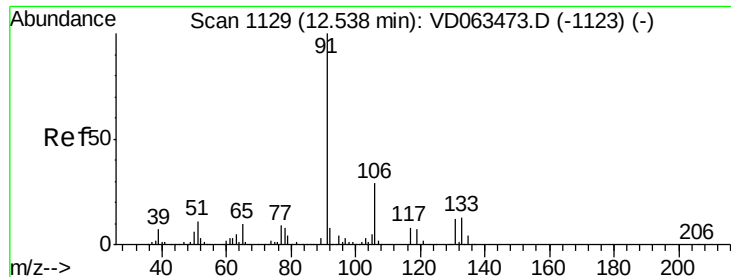
Tot Ion:112 Resp: 1251132
Ion Ratio Lower Upper
112 100
114 31.6 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 59.930 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD063547.D
Acq: 14 Aug 2019 00:20

Tgt Ion:131 Resp: 566504
Ion Ratio Lower Upper
131 100
133 95.9 51.1 153.3
119 61.2 33.1 99.3

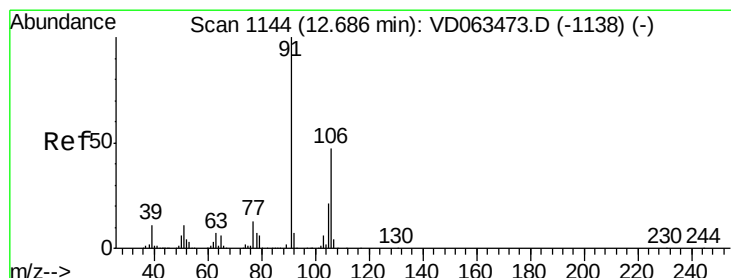
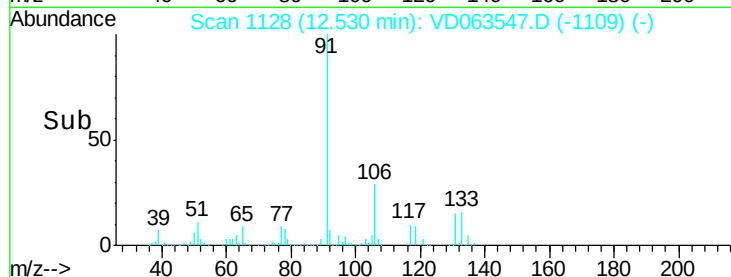
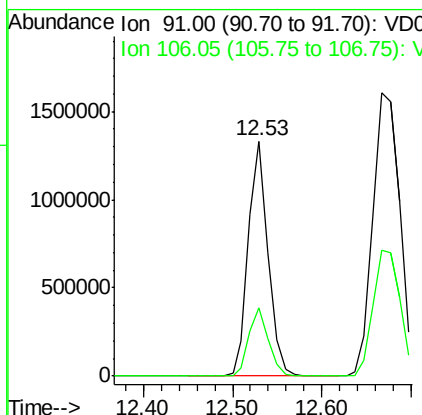
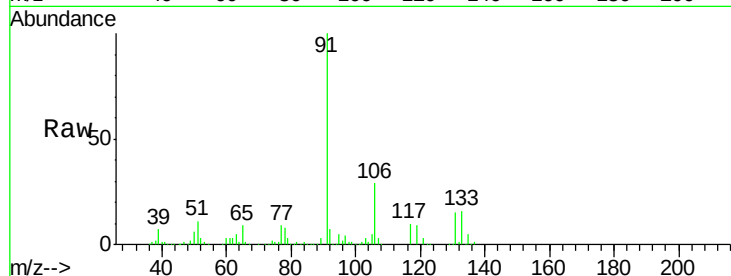




#67
Ethyl Benzene
Concen: 54.372 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. -0.01 min
Lab File: VD063547.D
Acq: 14 Aug 2019 00:20

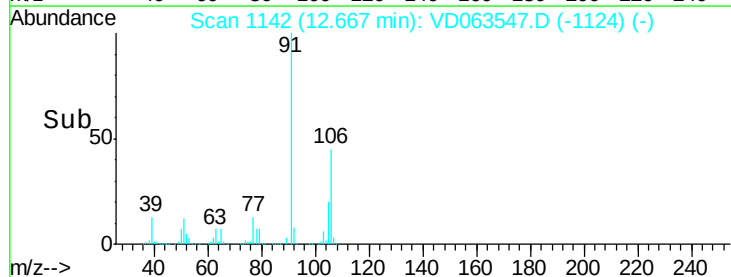
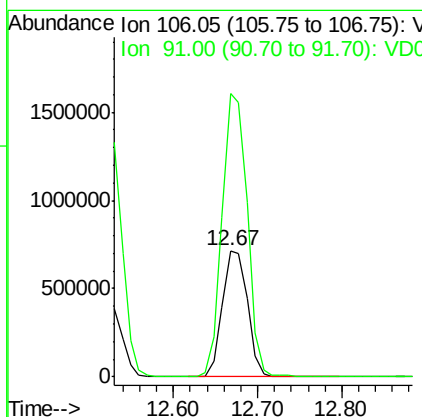
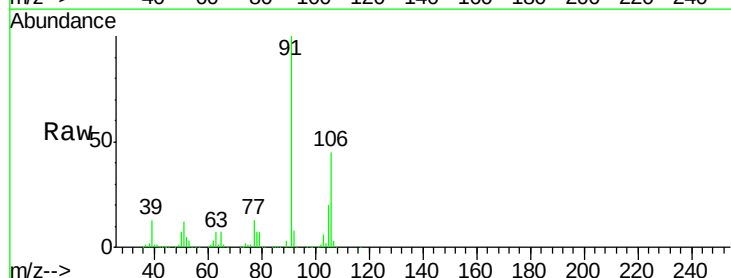
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

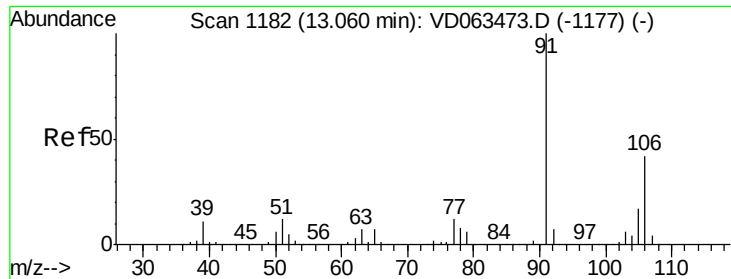
Tot Ion: 91 Resp: 2030619
Ion Ratio Lower Upper
91 100
106 29.1 23.1 34.7



#68
m/p-Xylenes
Concen: 112.804 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.02 min
Lab File: VD063547.D
Acq: 14 Aug 2019 00:20

Tgt Ion: 106 Resp: 1480103
Ion Ratio Lower Upper
106 100
91 224.5 171.8 257.8

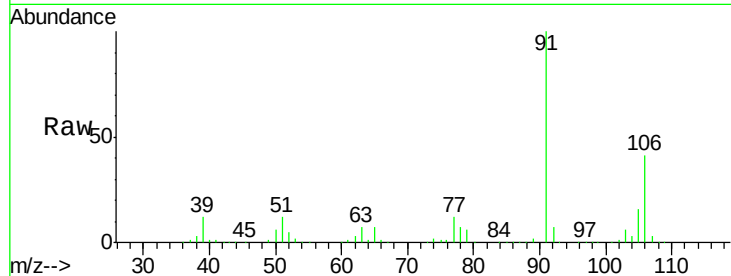




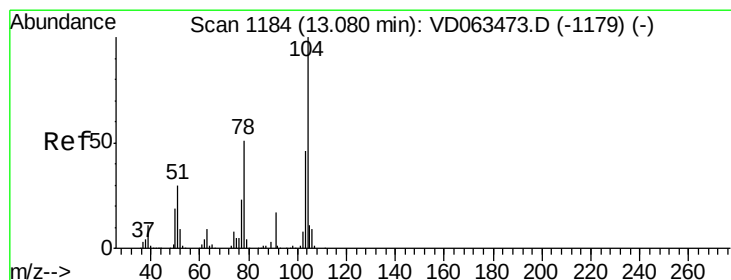
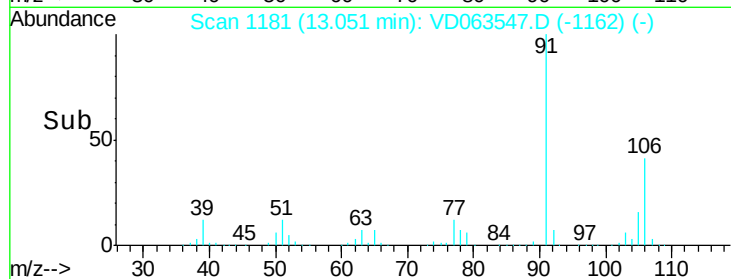
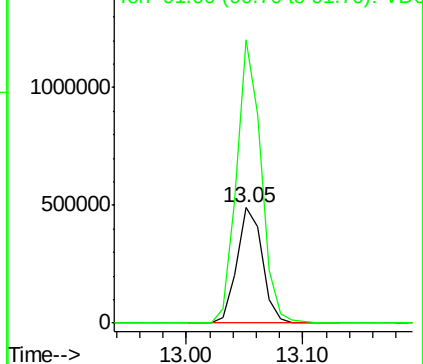
#69
o-Xylene
Concen: 58.657 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.01 min
Lab File: VD063547.D
Acq: 14 Aug 2019 00:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 740752
Ion Ratio Lower Upper
106 100
91 245.2 118.1 354.2

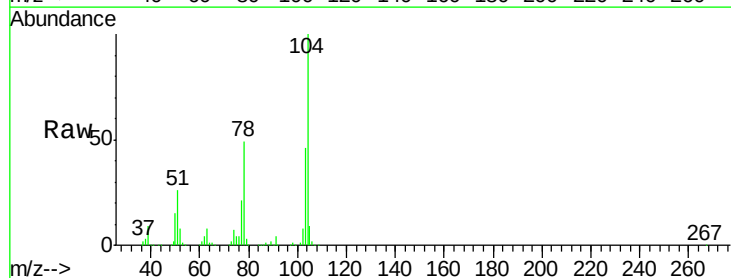


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

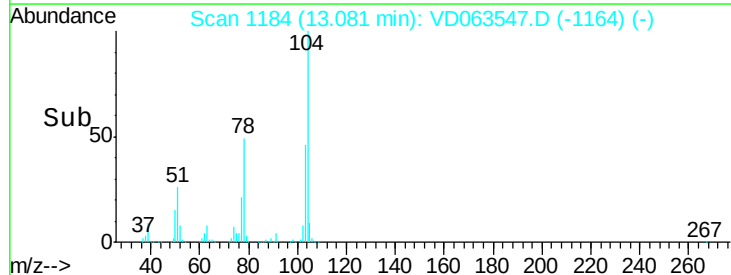
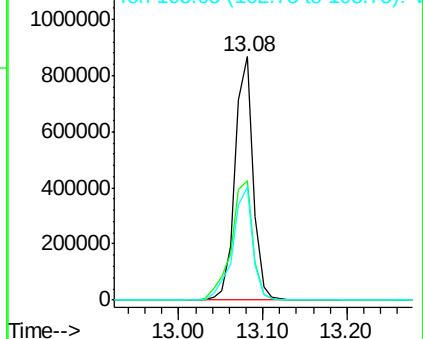


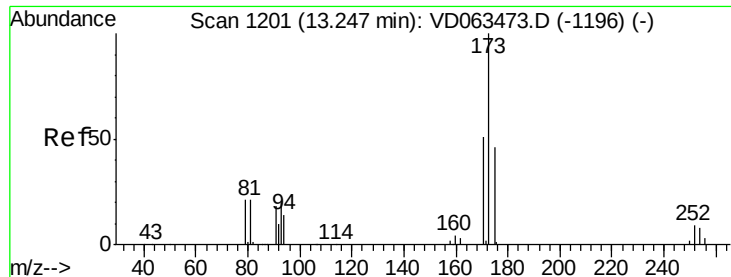
#70
Styrene
Concen: 57.426 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.00 min
Lab File: VD063547.D
Acq: 14 Aug 2019 00:20

Tgt Ion:104 Resp: 1289975
Ion Ratio Lower Upper
104 100
78 49.3 40.8 61.2
103 46.5 36.4 54.6



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

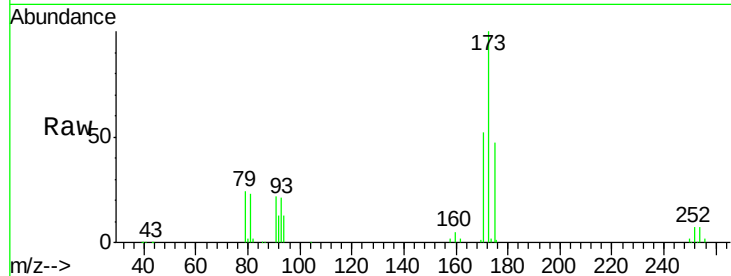




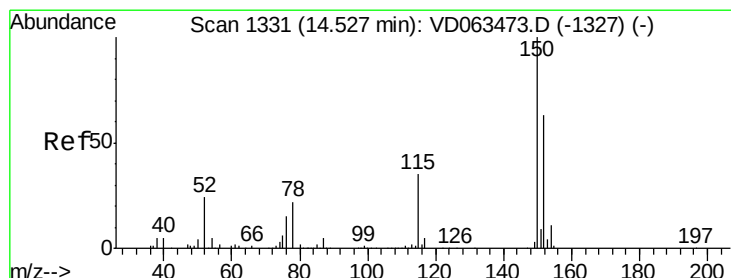
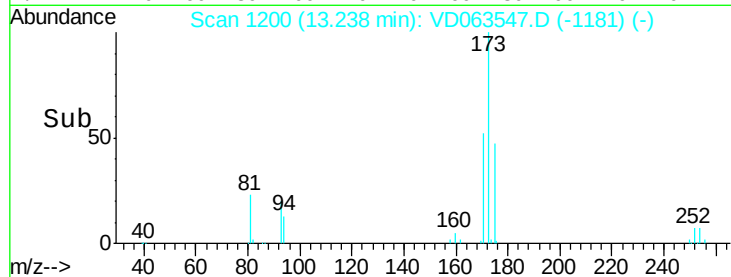
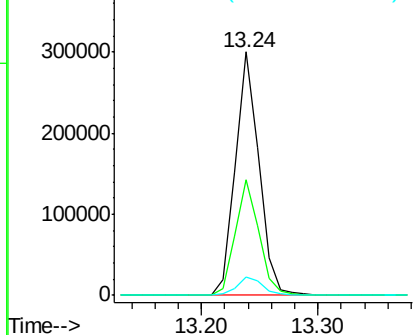
#71
Bromoform
Concen: 65.048 ug/l
RT: 13.24 min Scan# 1200
Delta R.T. -0.01 min
Lab File: VD063547.D
Acq: 14 Aug 2019 00:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:173 Resp: 421620
Ion Ratio Lower Upper
173 100
175 47.4 22.8 68.3
254 7.3 6.6 9.8

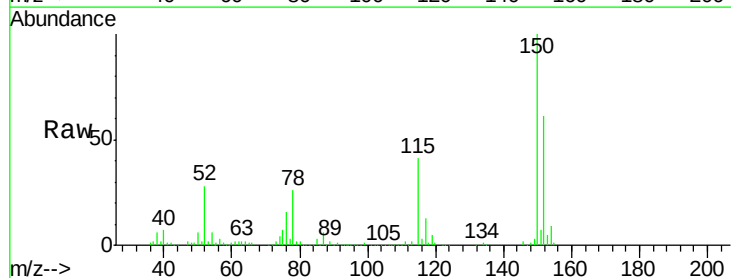


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

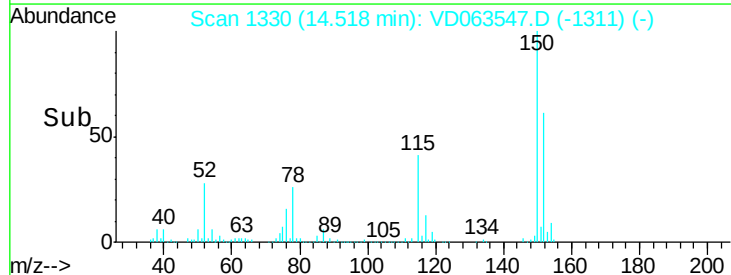
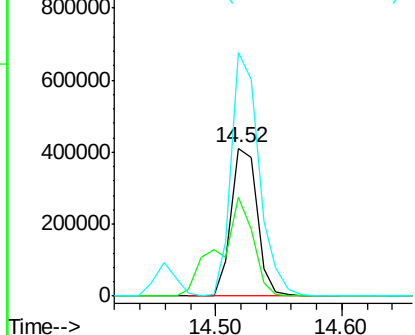


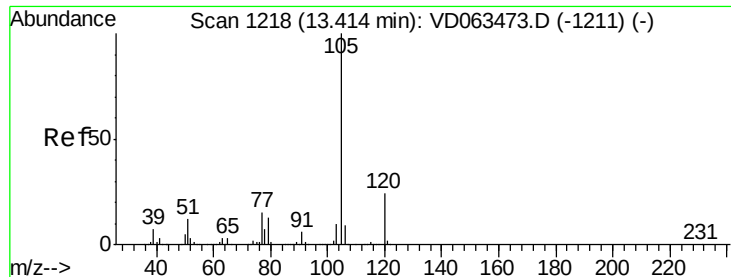
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD063547.D
Acq: 14 Aug 2019 00:20

Tgt Ion:152 Resp: 587423
Ion Ratio Lower Upper
152 100
115 67.3 30.9 92.7
150 164.6 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: 58.899 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. -0.01 min

Lab File: VD063547.D

Acq: 14 Aug 2019 00:20

Instrument :

MSVOA_D

ClientSampleId :

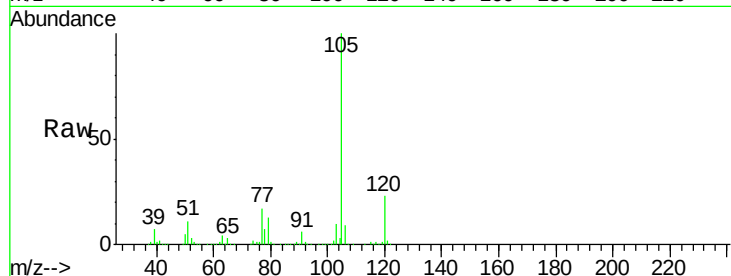
VSTDCCC050EC

Tot Ion:105 Resp: 2200667

Ion Ratio Lower Upper

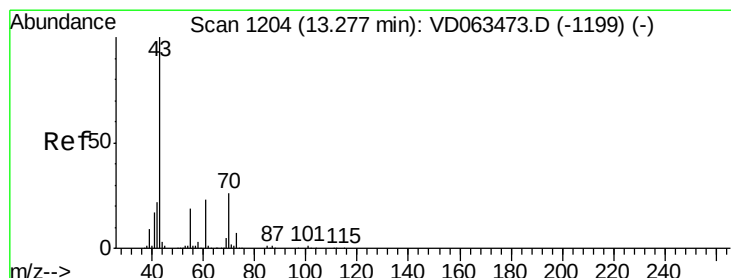
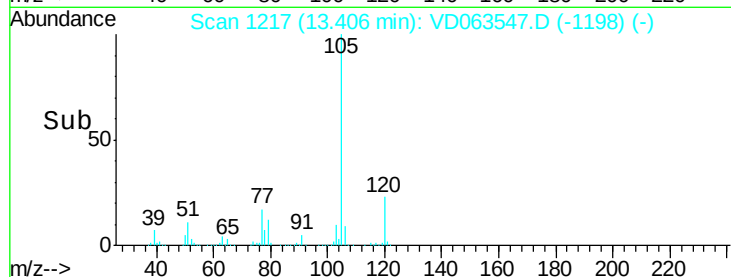
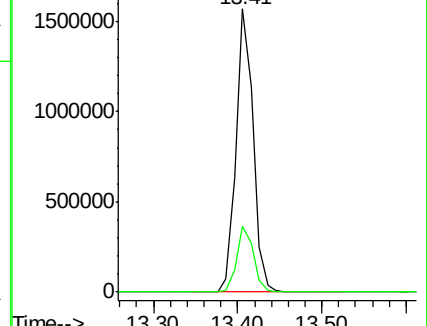
105 100

120 23.2 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: 66.345 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VD063547.D

Acq: 14 Aug 2019 00:20

Tgt Ion: 43 Resp: 622270

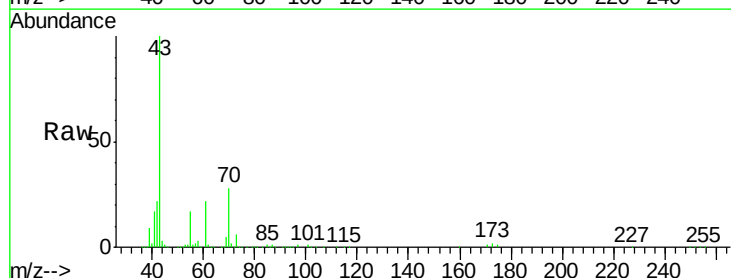
Ion Ratio Lower Upper

43 100

70 27.6 21.1 31.7

55 17.2 15.4 23.0

61 22.2 18.2 27.2

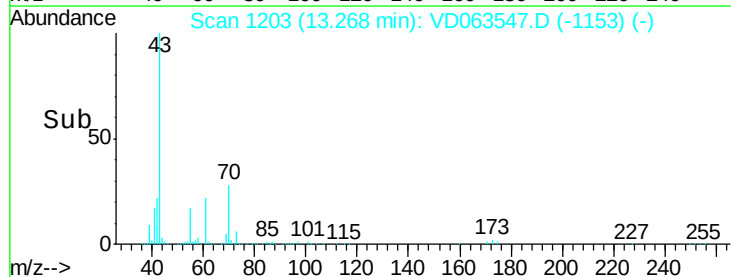
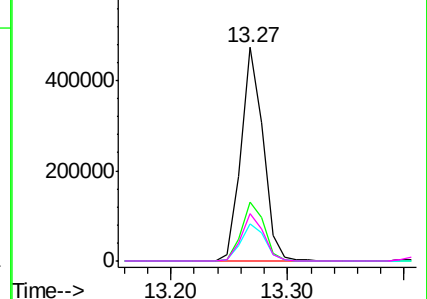


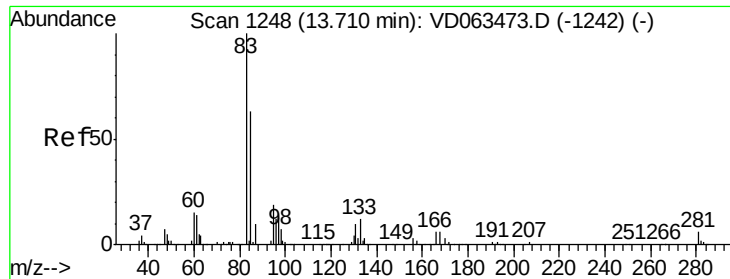
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 64.522 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.01 min

Lab File: VD063547.D

Acq: 14 Aug 2019 00:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

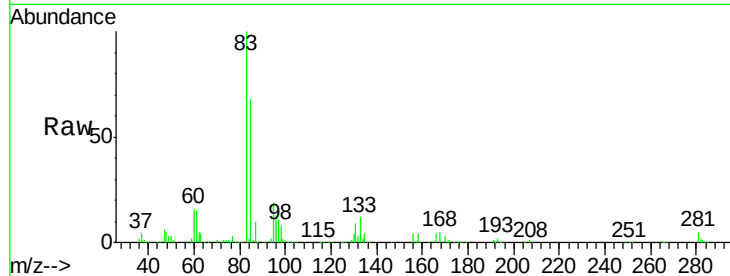
Tot Ion: 83 Resp: 400139

Ion Ratio Lower Upper

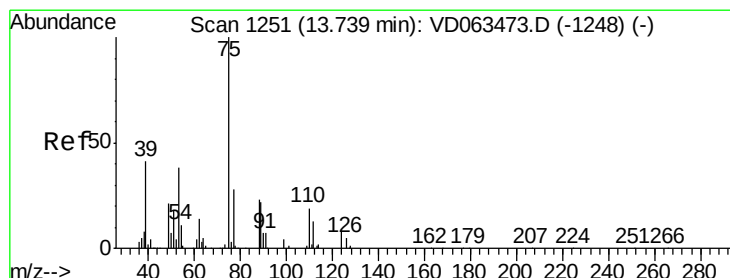
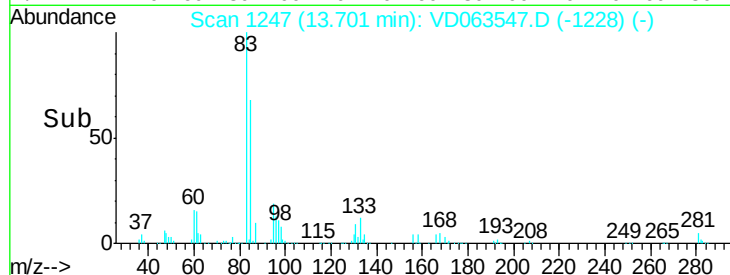
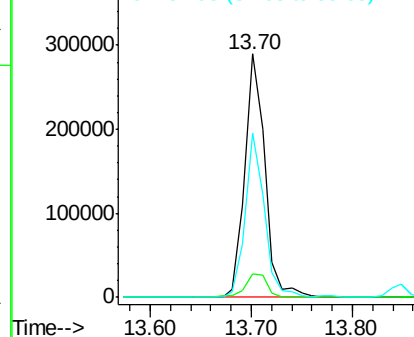
83 100

131 9.5 5.3 15.8

85 67.7 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: 63.245 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VD063547.D

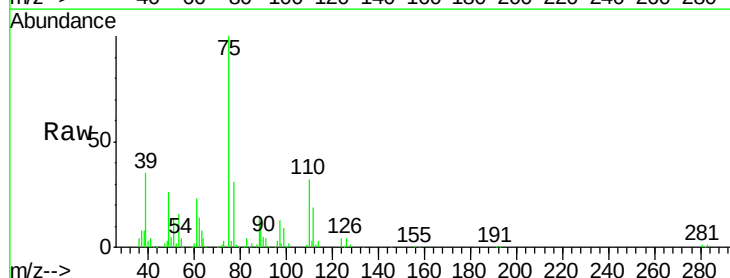
Acq: 14 Aug 2019 00:20

Tgt Ion: 75 Resp: 426377

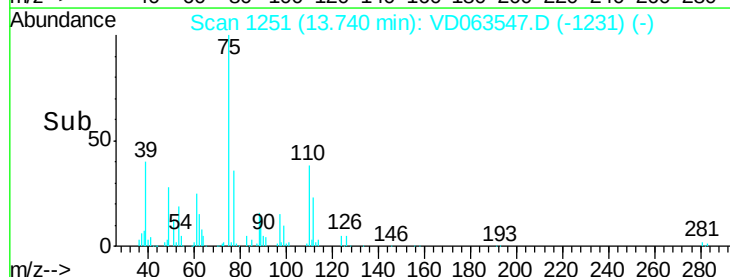
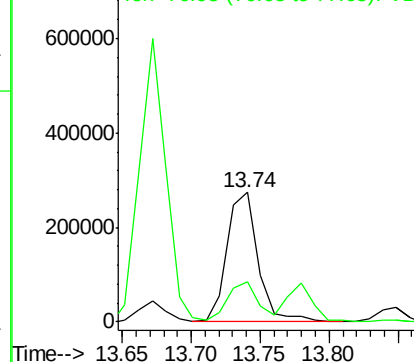
Ion Ratio Lower Upper

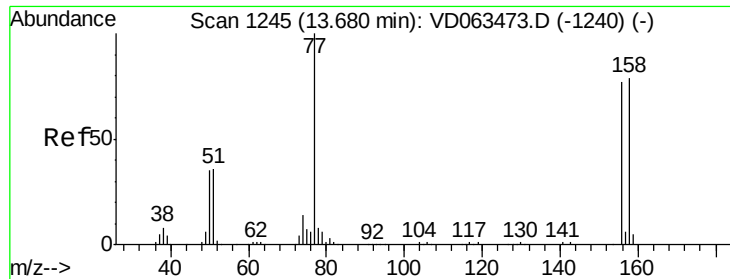
75 100

77 30.9 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: 63.627 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.01 min

Lab File: VD063547.D

Acq: 14 Aug 2019 00:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

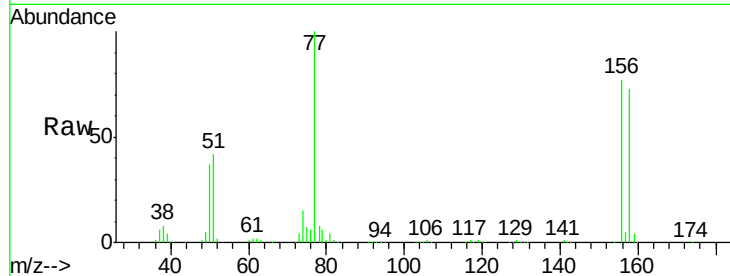
Tot Ion:156 Resp: 649731

Ion Ratio Lower Upper

156 100

77 129.9 64.6 193.8

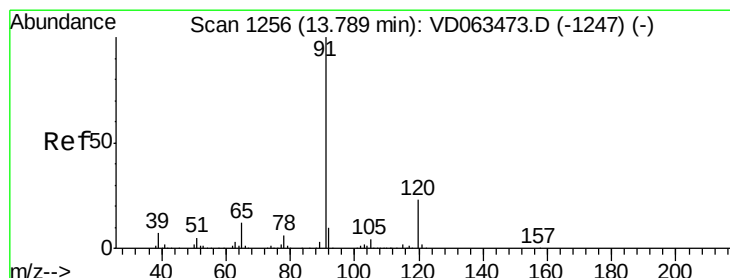
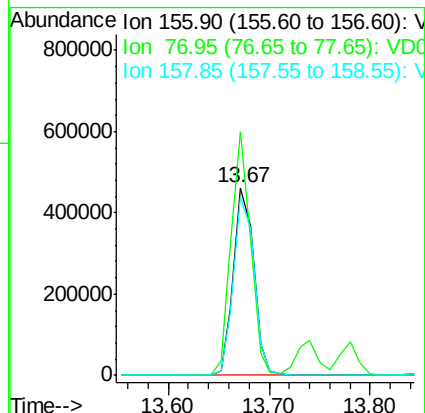
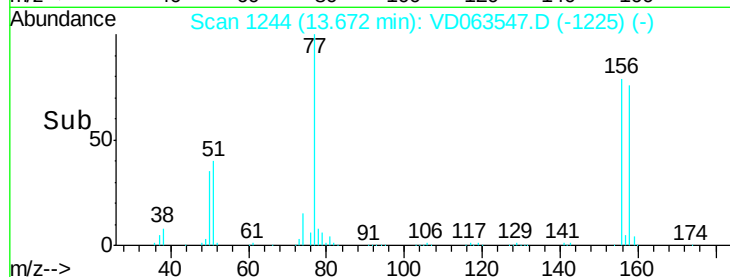
158 95.0 50.9 152.7



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 60.026 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. -0.01 min

Lab File: VD063547.D

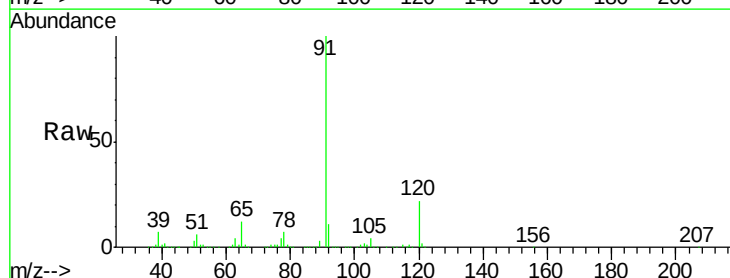
Acq: 14 Aug 2019 00:20

Tgt Ion: 91 Resp: 2624120

Ion Ratio Lower Upper

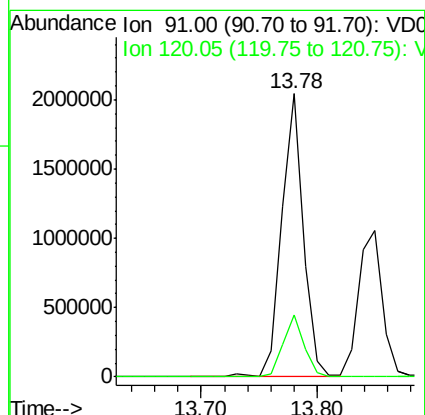
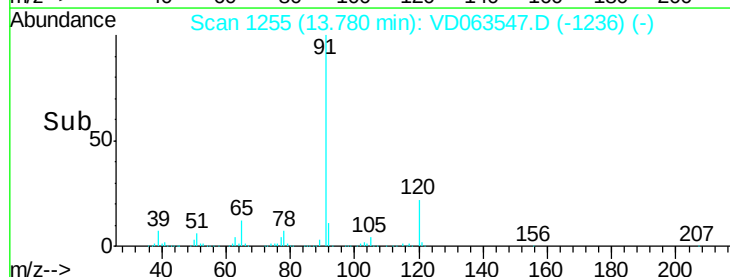
91 100

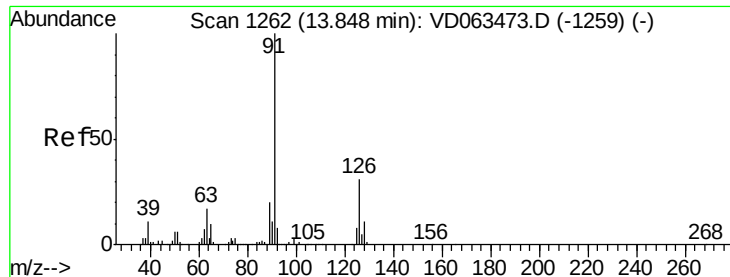
120 21.8 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 59.418 ug/l

RT: 13.85 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VD063547.D

Acq: 14 Aug 2019 00:20

Instrument :

MSVOA_D

ClientSampleId :

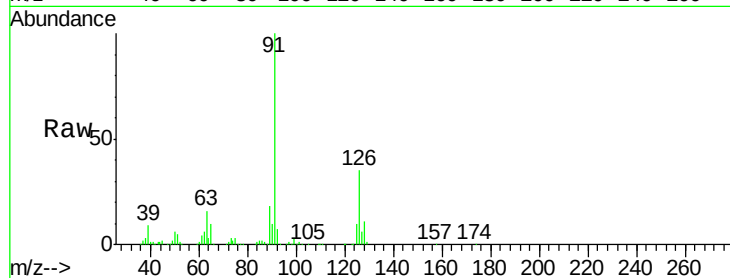
VSTDCCC050EC

Tot Ion: 91 Resp: 1497693

Ion Ratio Lower Upper

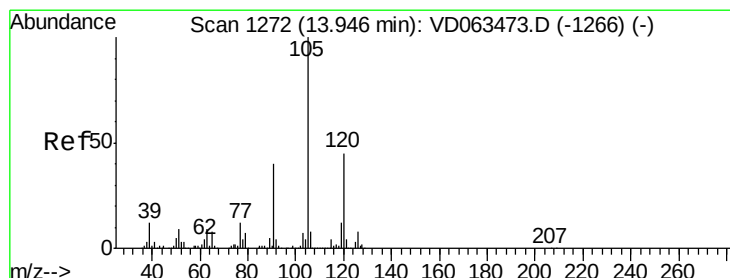
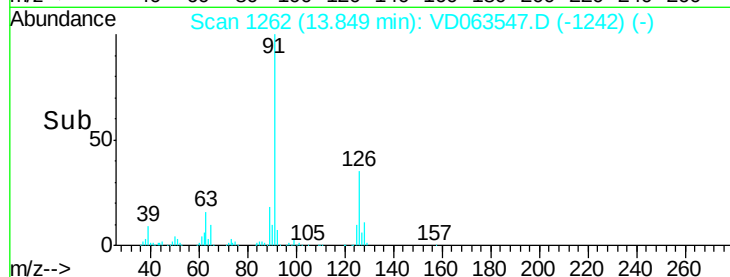
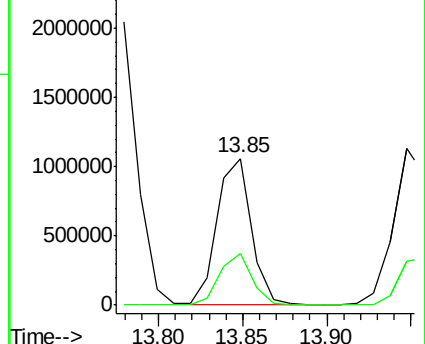
91 100

126 35.1 15.6 46.7



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 54.675 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VD063547.D

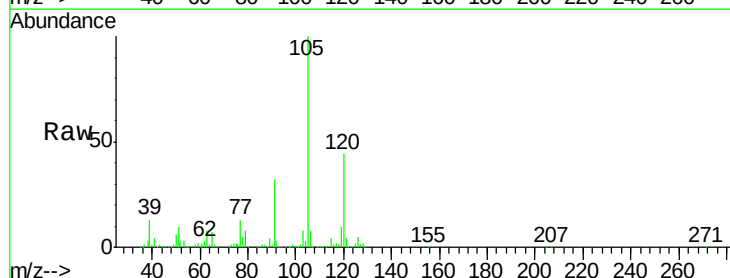
Acq: 14 Aug 2019 00:20

Tgt Ion:105 Resp: 1784904

Ion Ratio Lower Upper

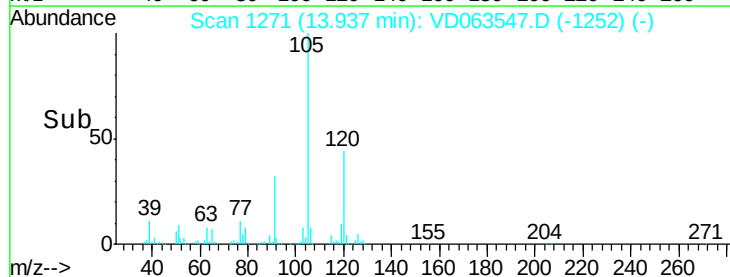
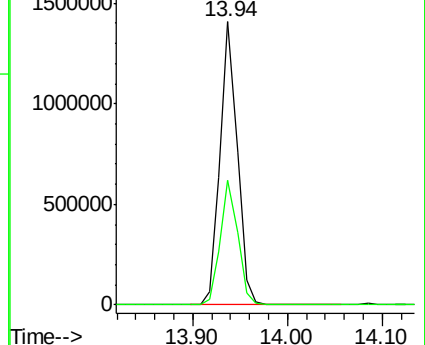
105 100

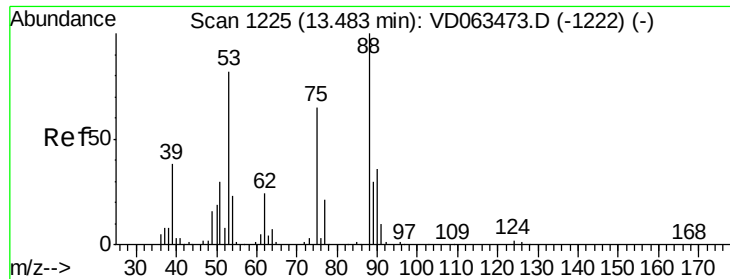
120 44.0 22.8 68.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

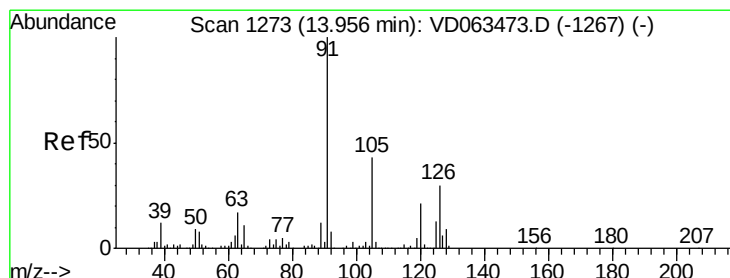
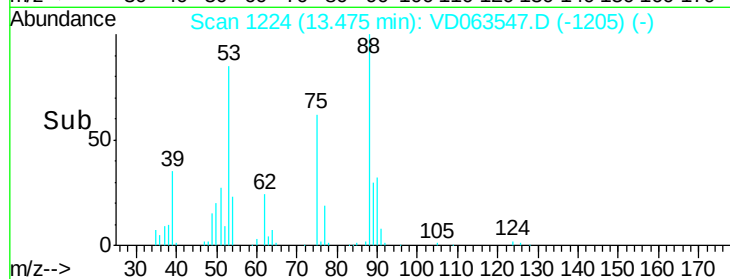
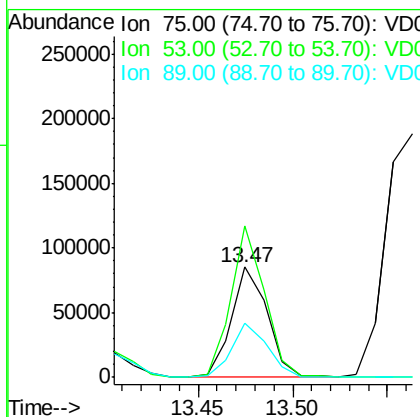
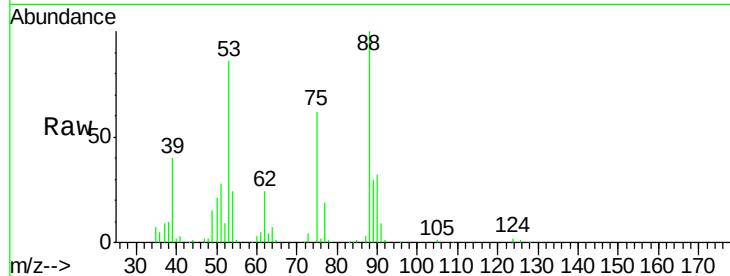




#81
trans-1,4-Dichloro-2-butene
Concen: 62.037 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. -0.01 min
Lab File: VD063547.D
Acq: 14 Aug 2019 00:20

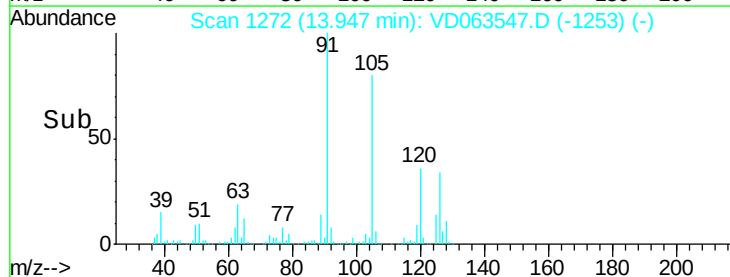
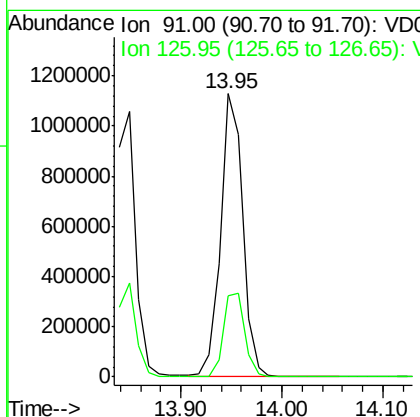
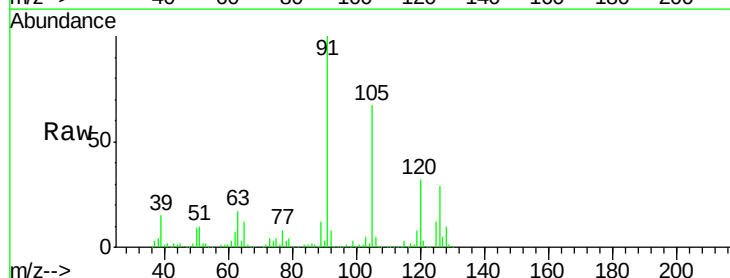
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

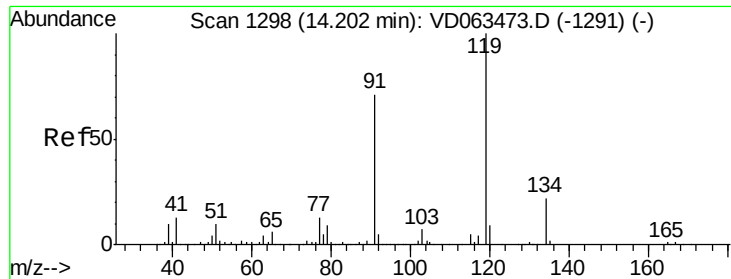
Tot Ion: 75 Resp: 112410
Ion Ratio Lower Upper
75 100
53 137.4 101.0 151.4
89 48.8 37.0 55.6



#82
4-Chlorotoluene
Concen: 56.810 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. -0.01 min
Lab File: VD063547.D
Acq: 14 Aug 2019 00:20

Tgt Ion: 91 Resp: 1721924
Ion Ratio Lower Upper
91 100
126 28.6 15.2 45.6

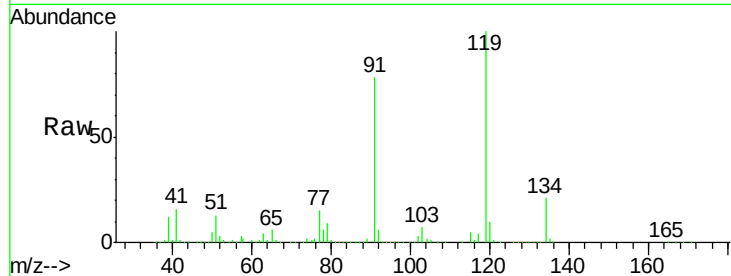




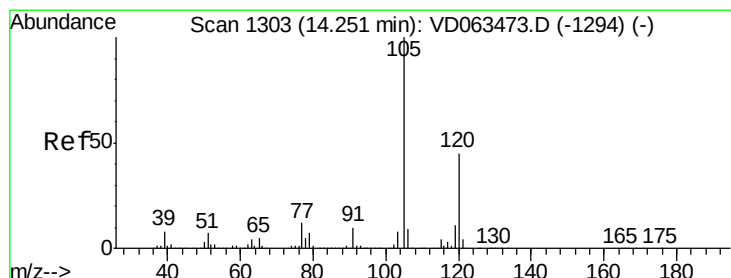
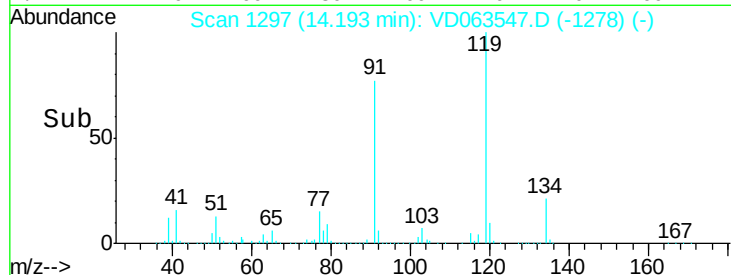
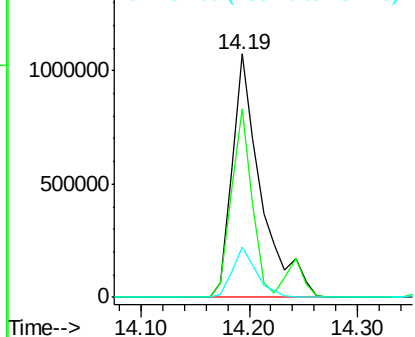
#83
 tert-Butylbenzene
 Concen: 58.263 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. -0.01 min
 Lab File: VD063547.D
 Acq: 14 Aug 2019 00:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:119 Resp: 2002908
 Ion Ratio Lower Upper
 119 100
 91 77.6 35.5 106.7
 134 20.6 11.1 33.1

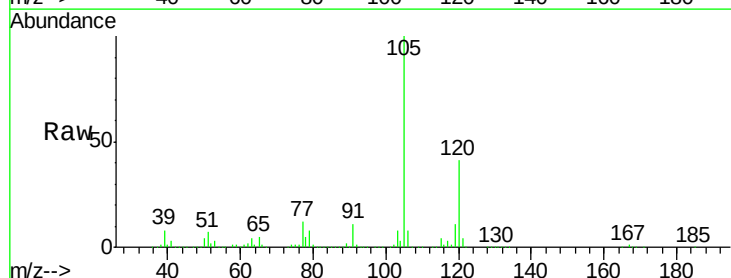


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

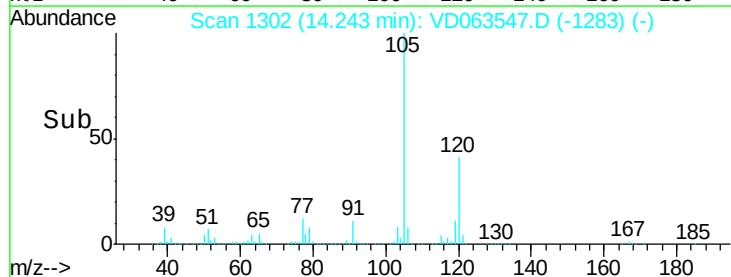
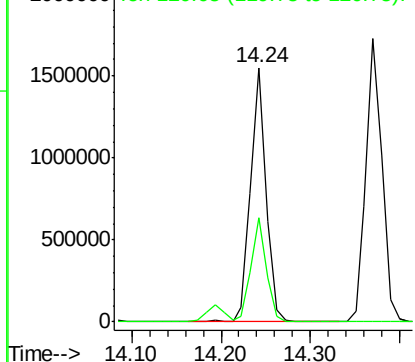


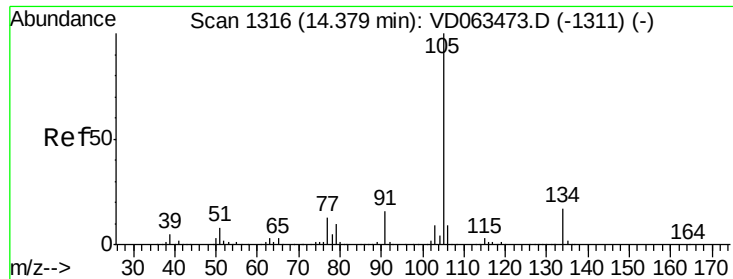
#84
 1,2,4-Trimethylbenzene
 Concen: 61.759 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. -0.01 min
 Lab File: VD063547.D
 Acq: 14 Aug 2019 00:20

Tgt Ion:105 Resp: 1865501
 Ion Ratio Lower Upper
 105 100
 120 41.2 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: 59.556 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VD063547.D

Acq: 14 Aug 2019 00:20

Instrument :

MSVOA_D

ClientSampleId :

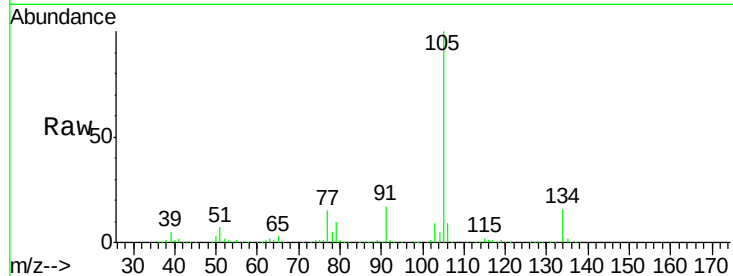
VSTDCCC050EC

Tot Ion:105 Resp: 2174259

Ion Ratio Lower Upper

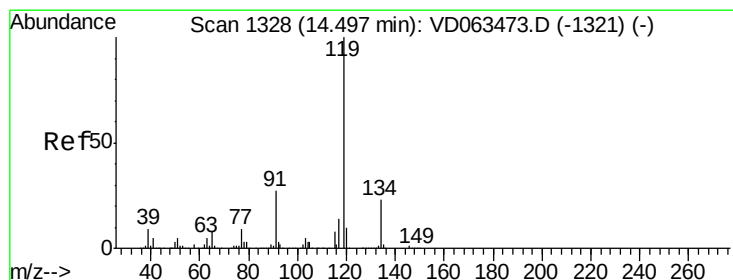
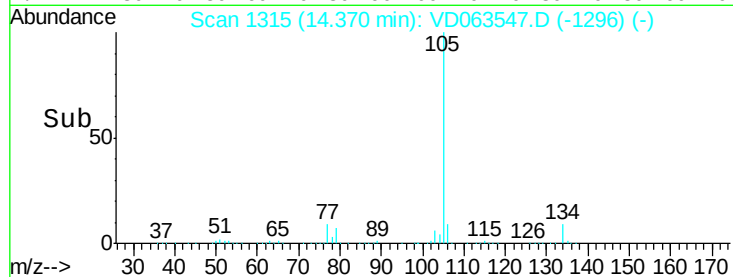
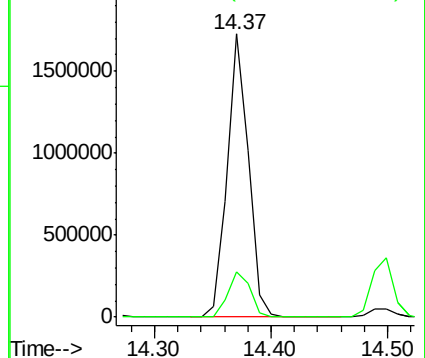
105 100

134 15.9 8.3 24.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 58.954 ug/l

RT: 14.50 min Scan# 1328

Delta R.T. 0.00 min

Lab File: VD063547.D

Acq: 14 Aug 2019 00:20

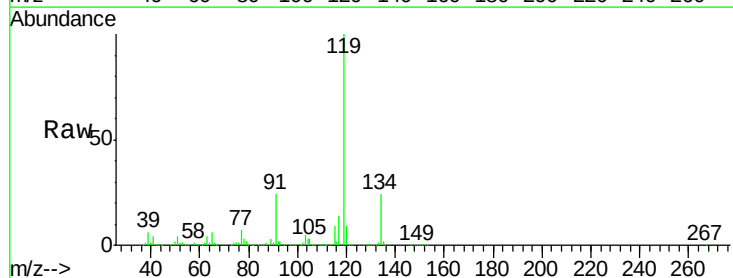
Tgt Ion:119 Resp: 2057889

Ion Ratio Lower Upper

119 100

134 24.0 11.3 33.8

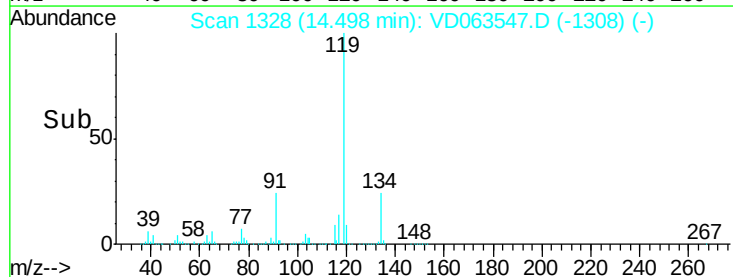
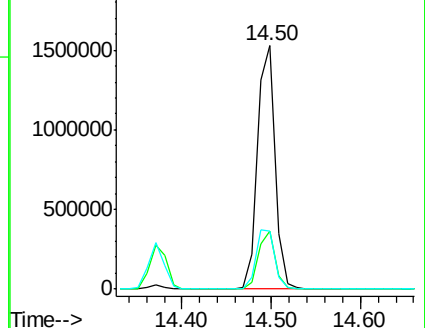
91 24.0 13.5 40.4

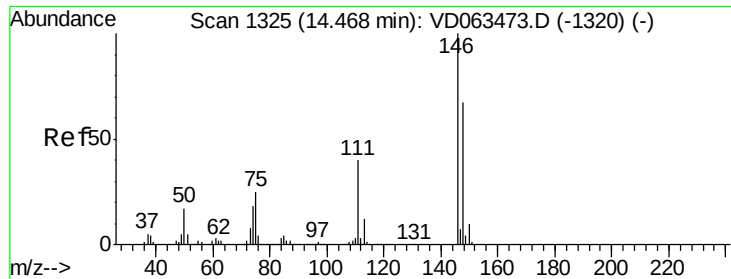


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

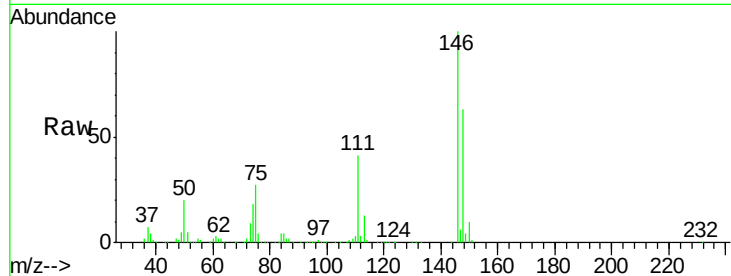




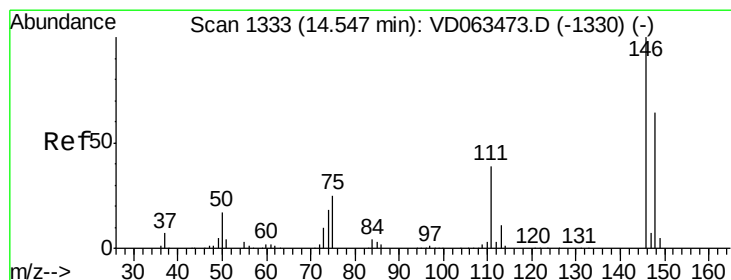
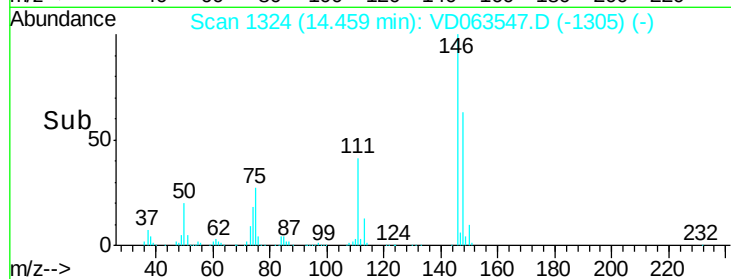
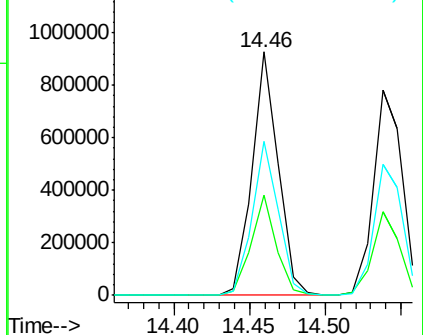
#87
 1,3-Dichlorobenzene
 Concen: 60.523 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. -0.01 min
 Lab File: VD063547.D
 Acq: 14 Aug 2019 00:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:146 Resp: 1117907
 Ion Ratio Lower Upper
 146 100
 111 41.4 20.0 60.0
 148 63.0 33.6 100.6

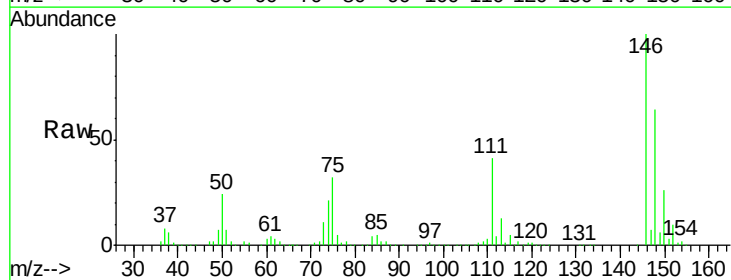


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

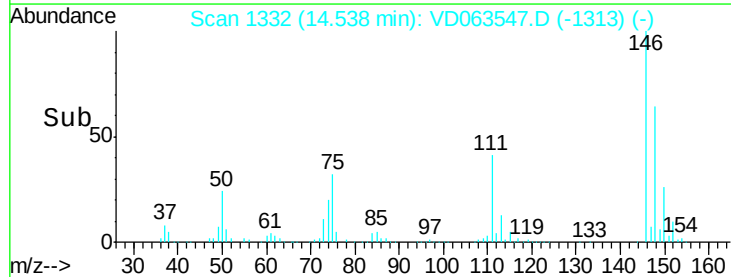
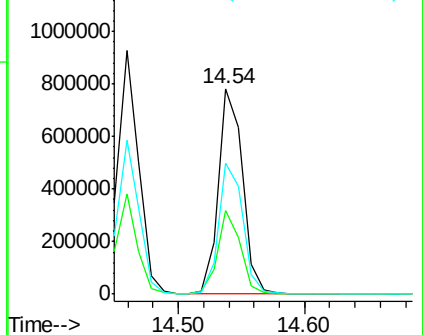


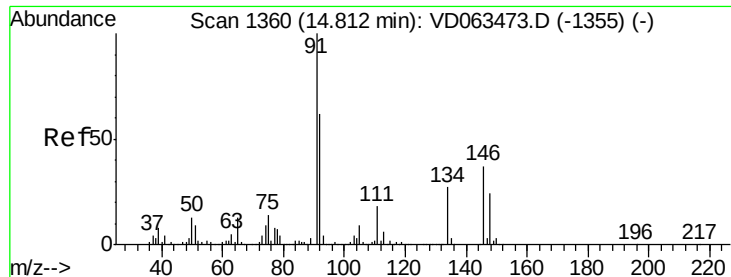
#88
 1,4-Dichlorobenzene
 Concen: 58.834 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: VD063547.D
 Acq: 14 Aug 2019 00:20

Tgt Ion:146 Resp: 1042611
 Ion Ratio Lower Upper
 146 100
 111 40.6 19.7 59.0
 148 63.7 32.1 96.3



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





#89

n-Butylbenzene

Concen: 56.580 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. -0.01 min

Lab File: VD063547.D

Acq: 14 Aug 2019 00:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

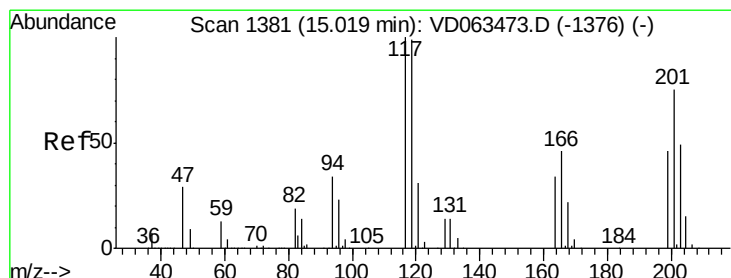
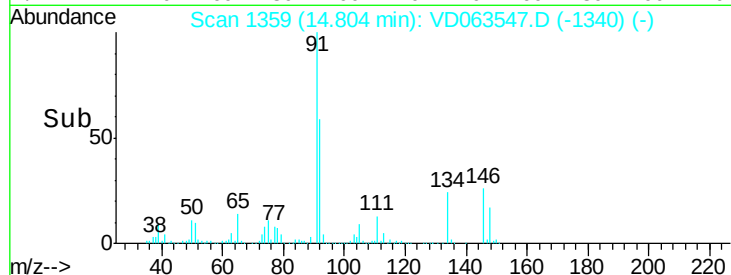
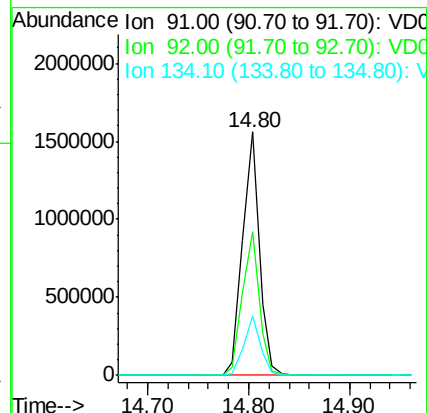
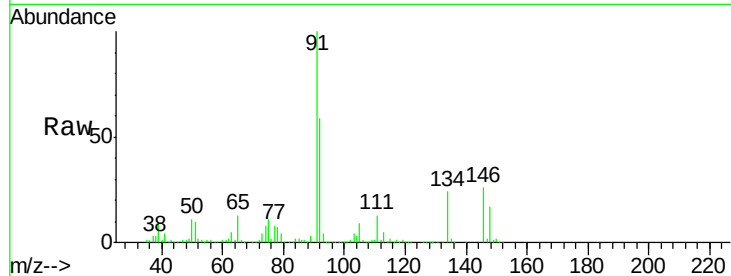
Tot Ion: 91 Resp: 1802571

Ion Ratio Lower Upper

91 100

92 59.2 30.8 92.3

134 24.1 13.4 40.2



#90

Hexachloroethane

Concen: 61.810 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. -0.01 min

Lab File: VD063547.D

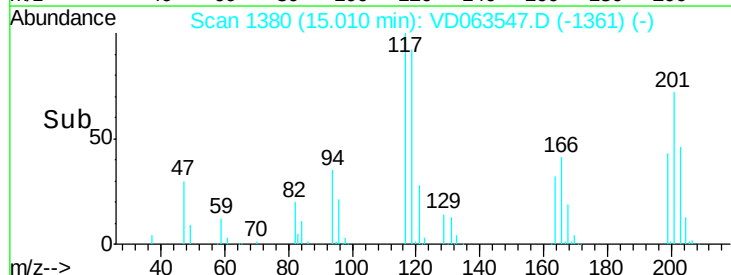
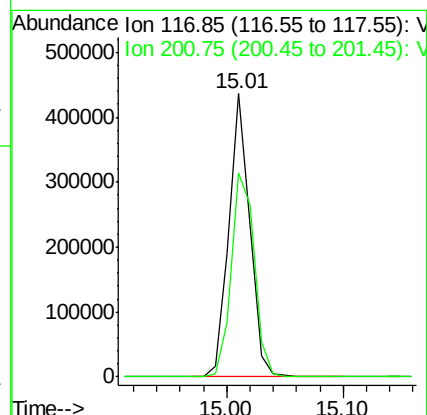
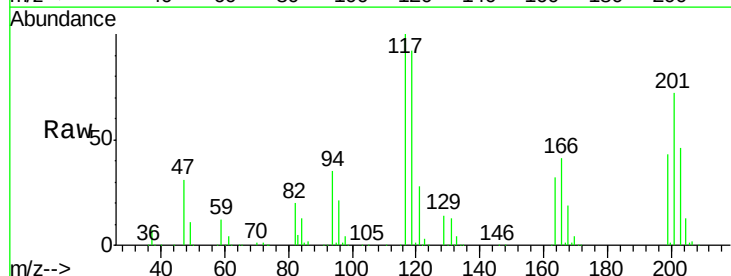
Acq: 14 Aug 2019 00:20

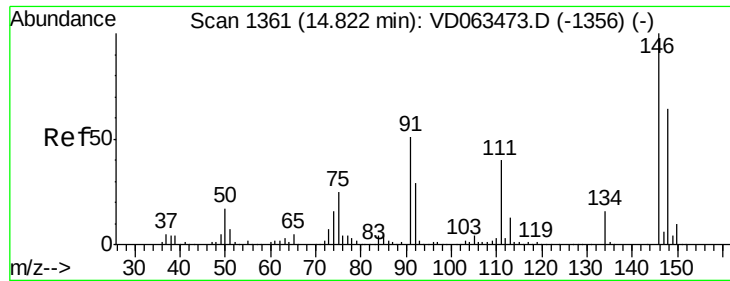
Tgt Ion: 117 Resp: 542303

Ion Ratio Lower Upper

117 100

201 71.9 37.5 112.5

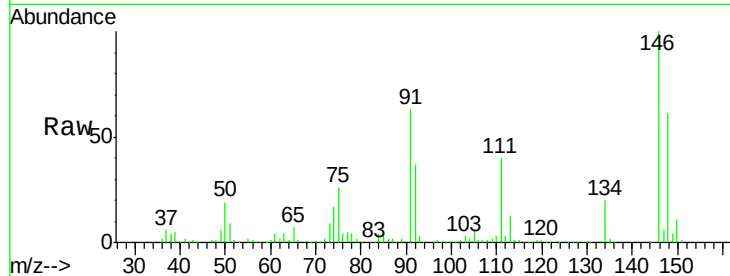




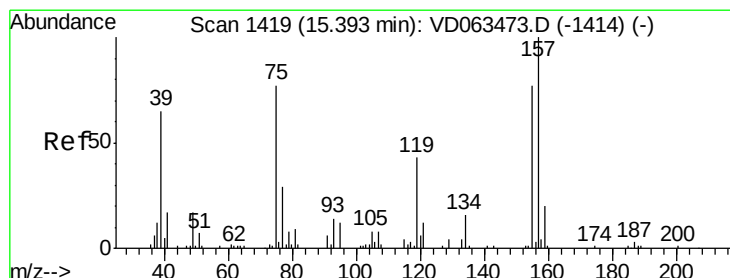
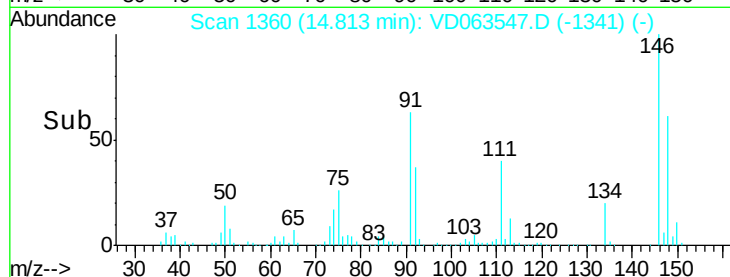
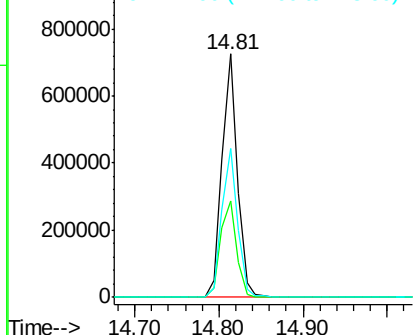
#91
 1,2-Dichlorobenzene
 Concen: 58.438 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. -0.01 min
 Lab File: VD063547.D
 Acq: 14 Aug 2019 00:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:146 Resp: 915791
 Ion Ratio Lower Upper
 146 100
 111 39.6 20.2 60.6
 148 61.1 32.1 96.5

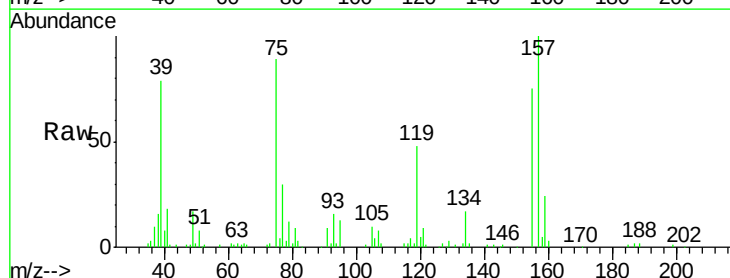


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

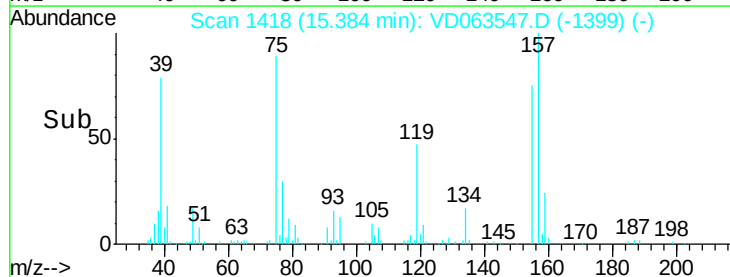
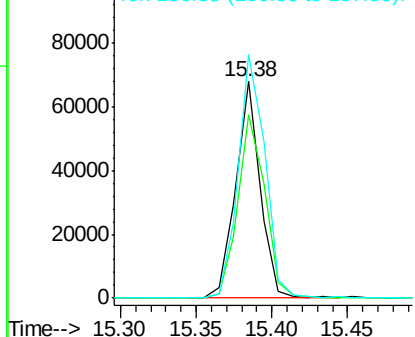


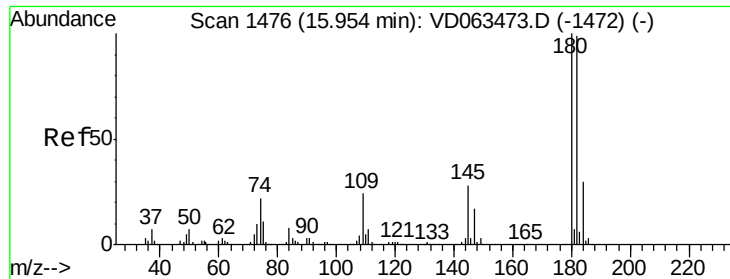
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 64.781 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. -0.01 min
 Lab File: VD063547.D
 Acq: 14 Aug 2019 00:20

Tgt Ion: 75 Resp: 75646
 Ion Ratio Lower Upper
 75 100
 155 84.6 50.1 150.3
 157 112.5 65.0 195.1



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

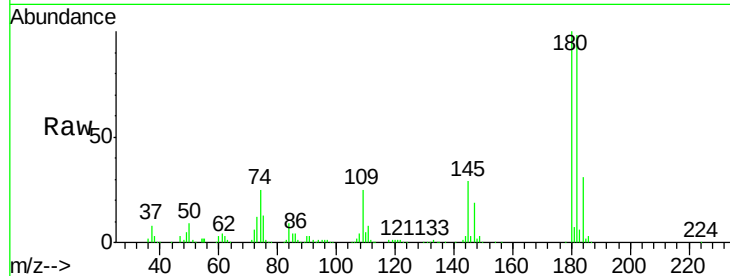




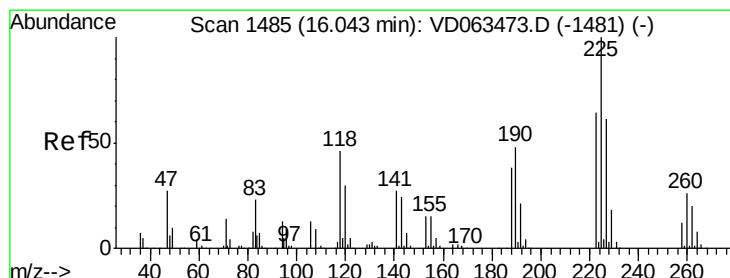
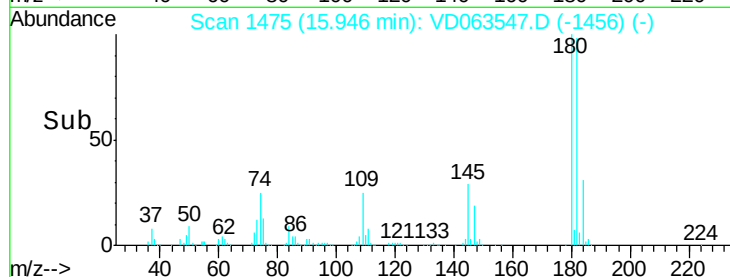
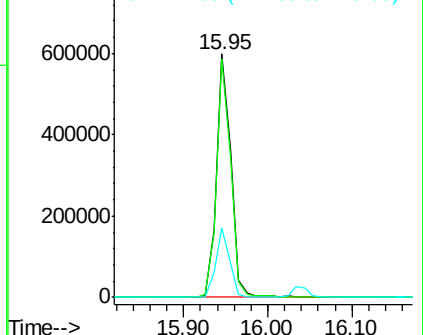
#93
 1,2,4-Trichlorobenzene
 Concen: 61.675 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. -0.01 min
 Lab File: VD063547.D
 Acq: 14 Aug 2019 00:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 711190
 Ion Ratio Lower Upper
 180 100
 182 97.7 49.7 149.1
 145 28.7 14.1 42.2

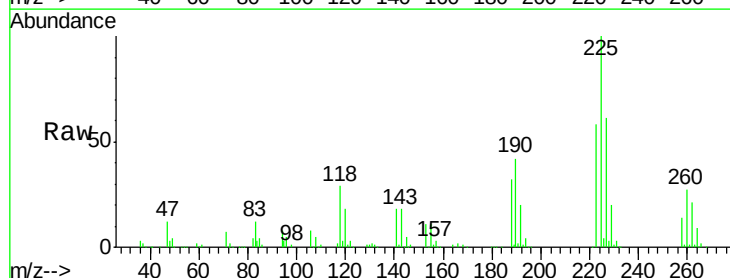


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

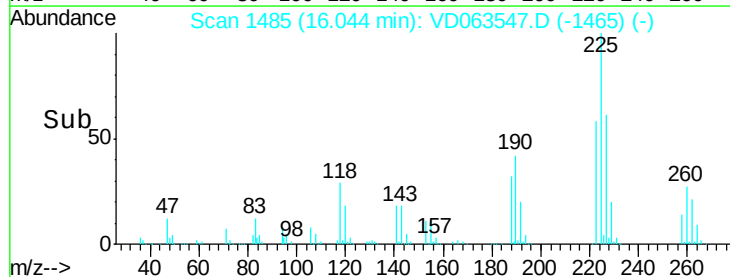
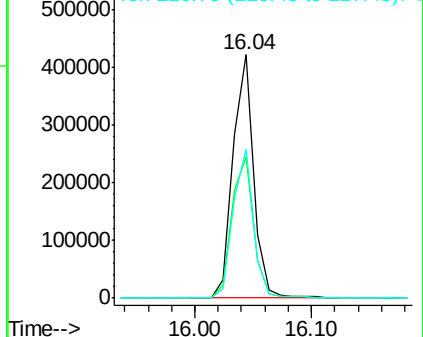


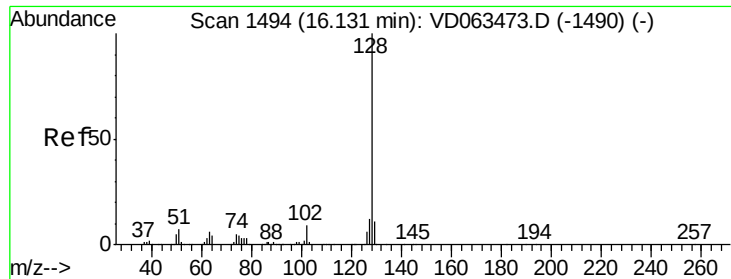
#94
 Hexachlorobutadiene
 Concen: 59.036 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VD063547.D
 Acq: 14 Aug 2019 00:20

Tgt Ion:225 Resp: 518827
 Ion Ratio Lower Upper
 225 100
 223 58.3 31.9 95.5
 227 61.0 30.7 92.1



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

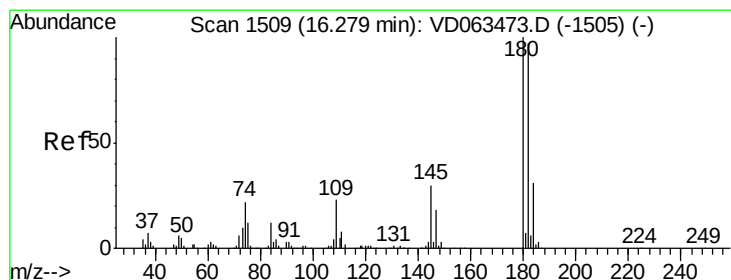
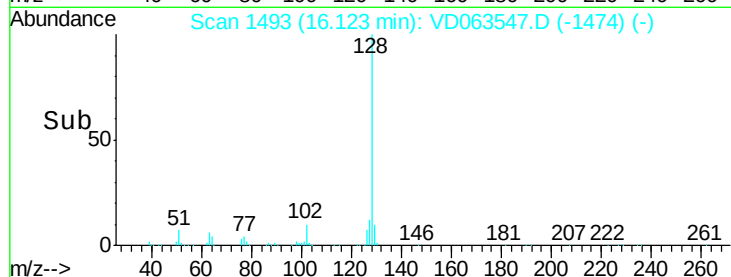
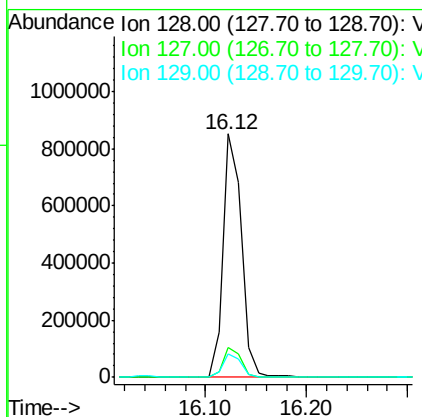
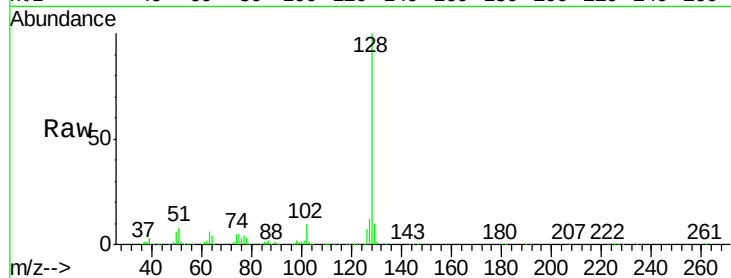




#95
Naphthalene
Concen: 62.247 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VD063547.D
Acq: 14 Aug 2019 00:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 1087798
Ion Ratio Lower Upper
128 100
127 12.3 9.4 14.0
129 9.8 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 59.836 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.01 min
Lab File: VD063547.D
Acq: 14 Aug 2019 00:20

Tgt Ion:180 Resp: 557284
Ion Ratio Lower Upper
180 100
182 98.5 48.4 145.2
145 31.6 14.9 44.9

