

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080819\
 Data File : VD063450.D
 Acq On : 8 Aug 2019 20:35
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050EC

Quant Time: Aug 09 07:00:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	972002	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	1360673	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	1072567	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	617597	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	542653	50.31	ug/l	0.02
Spiked Amount			Recovery	=	100.62%	
35) Dibromofluoromethane	6.94	113	629994	54.23	ug/l	0.03
Spiked Amount			Recovery	=	108.46%	
50) Toluene-d8	10.42	98	1376339	52.94	ug/l	0.02
Spiked Amount			Recovery	=	105.88%	
62) 4-Bromofluorobenzene	13.56	95	576566	48.66	ug/l	0.01
Spiked Amount			Recovery	=	97.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	487929	41.067	ug/l	98
3) Chloromethane	1.75	50	426126	46.162	ug/l	92
4) Vinyl Chloride	1.85	62	437959	45.829	ug/l	97
5) Bromomethane	2.15	94	220643	45.780	ug/l	98
6) Chloroethane	2.27	64	201390	45.645	ug/l	96
7) Trichlorofluoromethane	2.54	101	870870	46.974	ug/l	96
8) Diethyl Ether	2.87	74	110434	42.562	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.15	101	535425	52.137	ug/l	94
10) Methyl Iodide	3.31	142	718185	48.410	ug/l	95
11) Tert butyl alcohol	4.09	59	112150	236.948	ug/l #	93
12) 1,1-Dichloroethene	3.13	96	394650	52.346	ug/l	88
13) Acrolein	3.04	56	80405	176.514	ug/l	96
14) Allyl chloride	3.63	41	576375	47.990	ug/l	98
15) Acrylonitrile	4.20	53	301135	245.405	ug/l	94
16) Acetone	3.23	43	458017	217.958	ug/l	100
17) Carbon Disulfide	3.38	76	1126849	44.655	ug/l	98
18) Methyl Acetate	3.65	43	211048	52.286	ug/l	94
19) Methyl tert-butyl Ether	4.25	73	839279	49.282	ug/l	100
20) Methylene Chloride	3.82	84	403952	47.557	ug/l	97
21) trans-1,2-Dichloroethene	4.22	96	411955	48.698	ug/l	96
22) Diisopropyl ether	5.13	45	1175573	48.992	ug/l	96
23) Vinyl Acetate	5.07	43	3655957	247.863	ug/l	97
24) 1,1-Dichloroethane	5.00	63	768616	50.148	ug/l	98
25) 2-Butanone	6.08	43	517841	245.547	ug/l #	90
26) 2,2-Dichloropropane	6.03	77	767101	48.566	ug/l	98
27) cis-1,2-Dichloroethene	6.05	96	459435	50.657	ug/l	93
28) Bromochloromethane	6.45	49	296045	48.479	ug/l #	92
29) Tetrahydrofuran	6.47	42	238045	238.410	ug/l	98
30) Chloroform	6.67	83	932819	49.042	ug/l	97
31) Cyclohexane	6.96	56	466738	48.583	ug/l	97
32) 1,1,1-Trichloroethane	6.88	97	947514	51.500	ug/l	99
36) 1,1-Dichloropropene	7.16	75	622912	50.163	ug/l	100
37) Ethyl Acetate	6.19	43	250556	44.912	ug/l #	96
38) Carbon Tetrachloride	7.13	117	997929	53.380	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	513931	49.674	ug/l	99
40) Benzene	7.47	78	1279417	49.160	ug/l	97
41) Methacrylonitrile	6.46	41	317648	47.599	ug/l #	85
42) 1,2-Dichloroethane	7.59	62	710505	51.512	ug/l	98
43) Isopropyl Acetate	9.25	43	347986	48.831	ug/l #	95
44) Trichloroethene	8.55	130	507450	48.118	ug/l	99
45) 1,2-Dichloropropane	8.95	63	316938	47.912	ug/l	92
46) Dibromomethane	9.08	93	273799	49.779	ug/l	94
47) Bromodichloromethane	9.38	83	686048	48.931	ug/l	91
48) Methyl methacrylate	9.13	41	221498	47.924	ug/l	93
49) 1,4-Dioxane	9.10	88	36989	944.508	ug/l #	86
51) 4-Methyl-2-Pentanone	10.32	43	1208951	249.446	ug/l	100
52) Toluene	10.52	92	908436	52.481	ug/l	95
53) t-1,3-Dichloropropene	10.92	75	583585	48.279	ug/l	92
54) cis-1,3-Dichloropropene	10.05	75	607653	47.832	ug/l	96
55) 1,1,2-Trichloroethane	11.20	97	296019	50.636	ug/l	97
56) Ethyl methacrylate	11.05	69	322626	50.398	ug/l	93
57) 1,3-Dichloropropane	11.42	76	460684	50.015	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.87	63	842925	253.055	ug/l	99
59) 2-Hexanone	11.55	43	825990	236.496	ug/l	100
60) Dibromochloromethane	11.69	129	555012	50.289	ug/l	97
61) 1,2-Dibromoethane	11.81	107	370961	51.425	ug/l	95
64) Tetrachloroethene	11.27	164	486319	56.914	ug/l	92
65) Chlorobenzene	12.40	112	1093094	52.985	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	481348	52.969	ug/l	99
67) Ethyl Benzene	12.53	91	1833749	52.324	ug/l	99
68) m/p-Xylenes	12.68	106	1359400	105.769	ug/l	97
69) o-Xylene	13.05	106	652145	55.255	ug/l	97
70) Styrene	13.08	104	1136366	54.291	ug/l	98
71) Bromoform	13.24	173	354701	53.673	ug/l	96
73) Isopropylbenzene	13.41	105	1871563	48.283	ug/l	99
74) N-amyl acetate	13.27	43	490002	47.818	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.70	83	348648	52.951	ug/l	100
76) 1,2,3-Trichloropropane	13.74	75	357255	48.160	ug/l	97
77) Bromobenzene	13.67	156	547389	49.572	ug/l	96
78) n-propylbenzene	13.78	91	2230409	48.352	ug/l	99
79) 2-Chlorotoluene	13.85	91	1323625	49.522	ug/l	99
80) 1,3,5-Trimethylbenzene	13.94	105	1615455	48.320	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.48	75	86950	42.211	ug/l	94
82) 4-Chlorotoluene	13.95	91	1513162	48.105	ug/l	89
83) tert-Butylbenzene	14.19	119	1824934	47.806	ug/l	97
84) 1,2,4-Trimethylbenzene	14.24	105	1647681	47.648	ug/l	98
85) sec-Butylbenzene	14.37	105	1916471	47.651	ug/l	99
86) p-Isopropyltoluene	14.50	119	1830512	47.686	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	995948	50.931	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	953421	48.215	ug/l	92
89) n-Butylbenzene	14.80	91	1589165	47.932	ug/l	98
90) Hexachloroethane	15.01	117	457510	45.746	ug/l	92
91) 1,2-Dichlorobenzene	14.81	146	785860	46.125	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.39	75	59505	44.367	ug/l	90

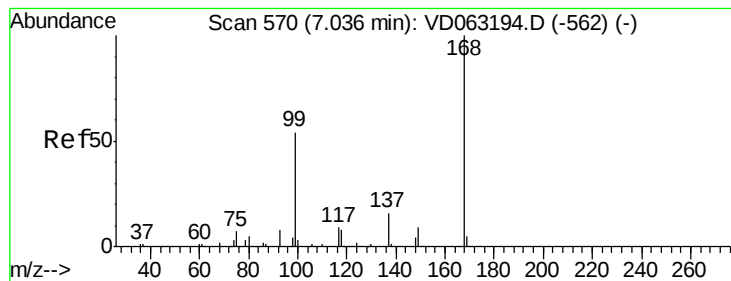
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	599791	44.376	ug/l	98
94) Hexachlorobutadiene	16.05	225	469870	47.971	ug/l	98
95) Naphthalene	16.12	128	842843	44.119	ug/l	97
96) 1,2,3-Trichlorobenzene	16.27	180	501224	46.941	ug/l	96

(#) = 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. 0.02 min

Lab File: VD063450.D

Acq: 8 Aug 2019 20:35

Instrument :

MSVOA_D

ClientSampleId :

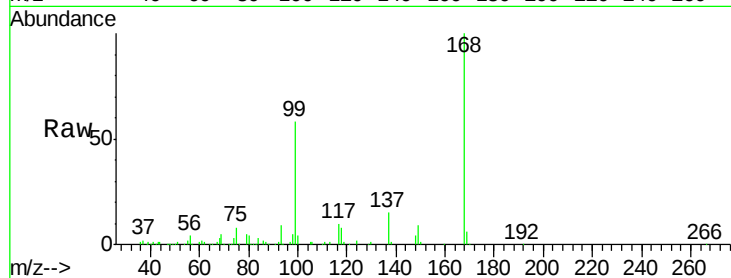
VSTDCCC050EC

Tot Ion:168 Resp: 972002

Ion Ratio Lower Upper

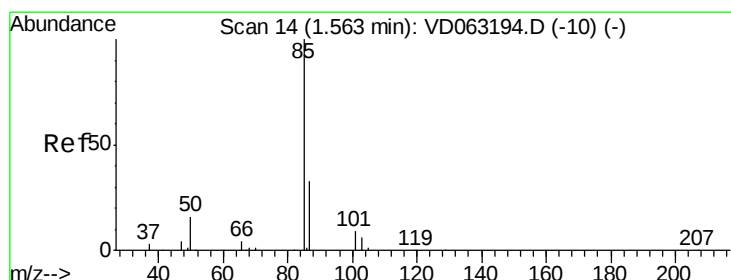
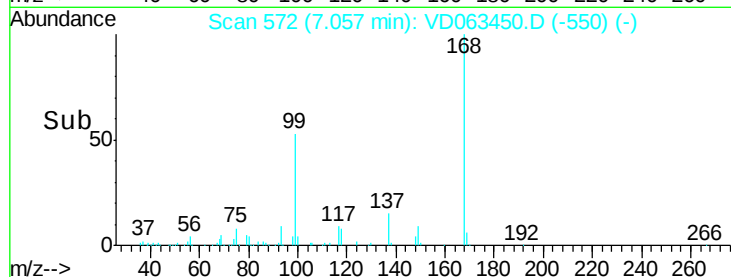
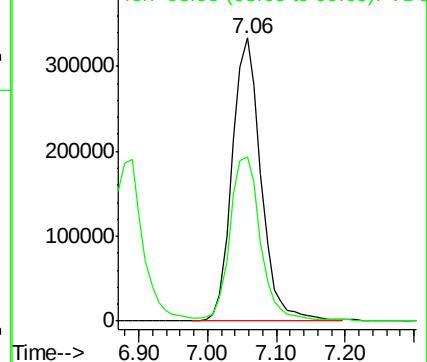
168 100

99 58.2 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 41.067 ug/l

RT: 1.57 min Scan# 15

Delta R.T. 0.01 min

Lab File: VD063450.D

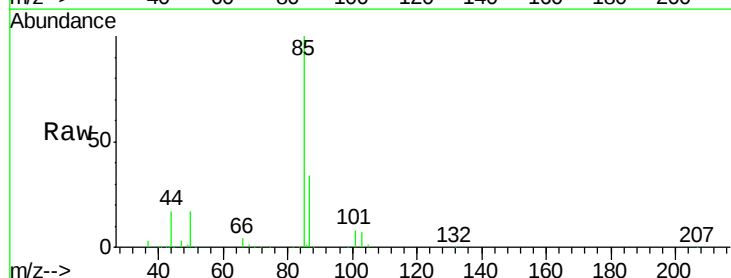
Acq: 8 Aug 2019 20:35

Tgt Ion: 85 Resp: 487929

Ion Ratio Lower Upper

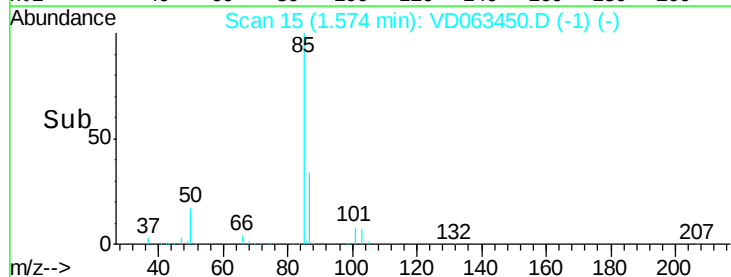
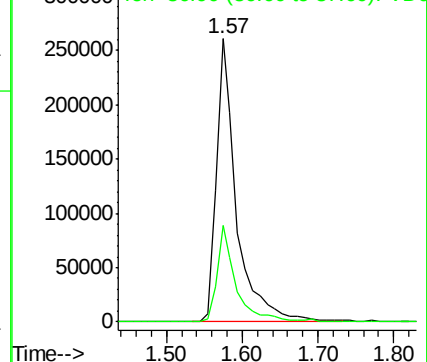
85 100

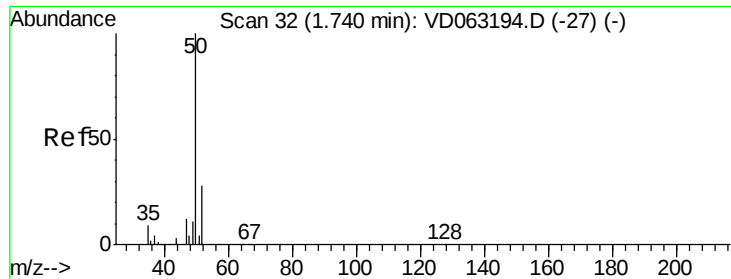
87 34.2 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 46.162 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD063450.D

Acq: 8 Aug 2019 20:35

Instrument :

MSVOA_D

ClientSampleId :

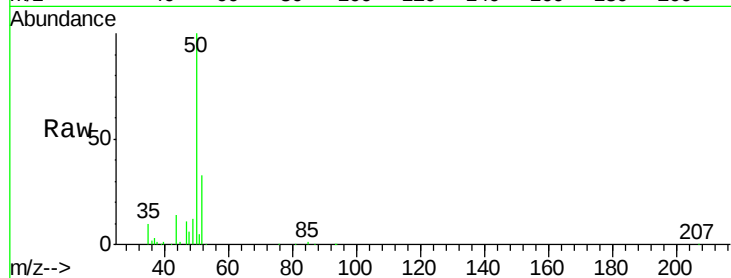
VSTDCCC050EC

Tot Ion: 50 Resp: 426126

Ion Ratio Lower Upper

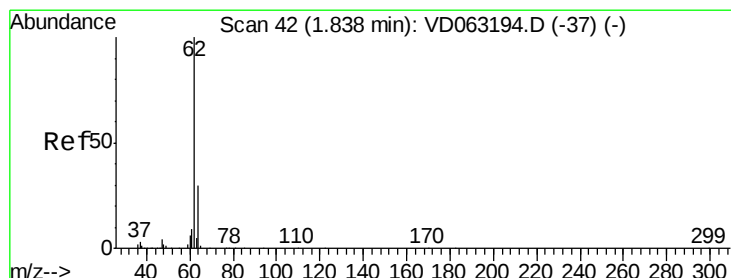
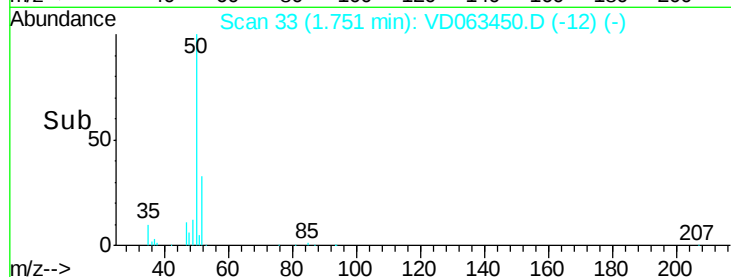
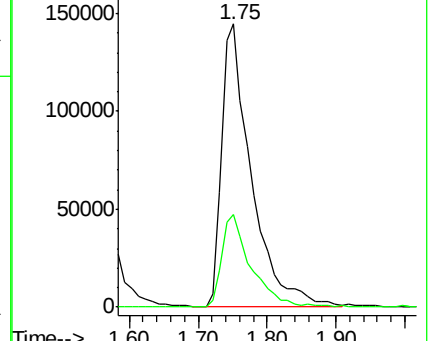
50 100

52 32.7 22.6 34.0



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 45.829 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.01 min

Lab File: VD063450.D

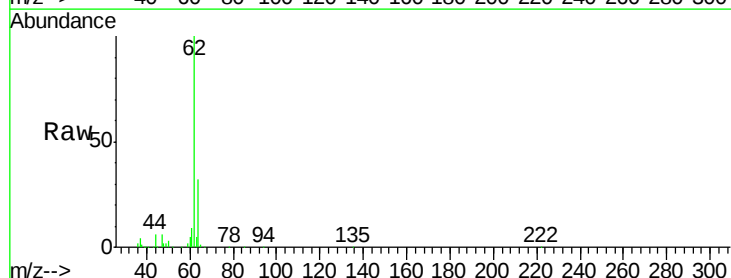
Acq: 8 Aug 2019 20:35

Tgt Ion: 62 Resp: 437959

Ion Ratio Lower Upper

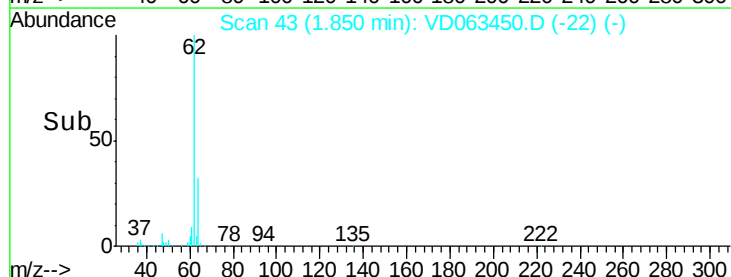
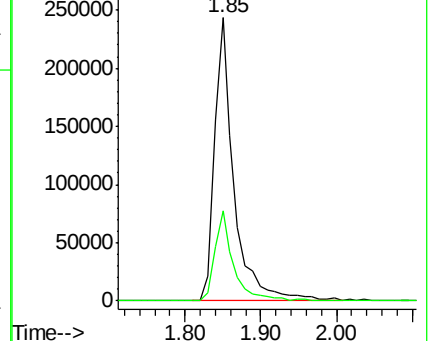
62 100

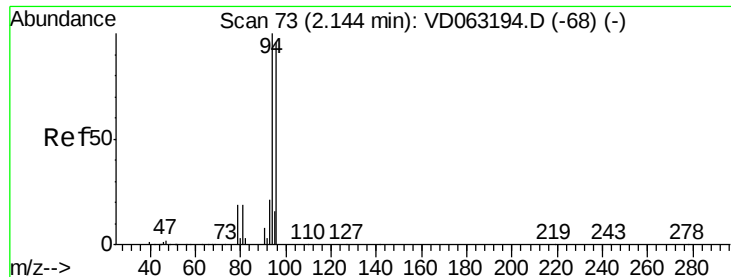
64 31.7 24.1 36.1



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 45.780 ug/l

RT: 2.15 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD063450.D

Acq: 8 Aug 2019 20:35

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VSTDCCC050EC

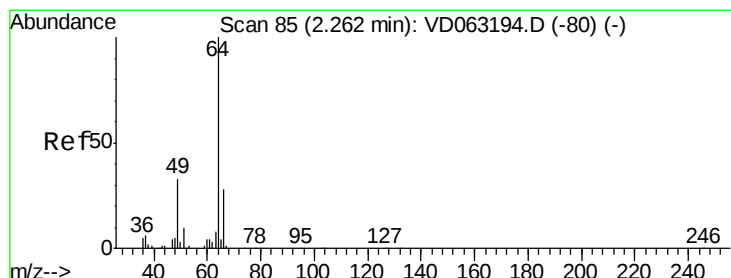
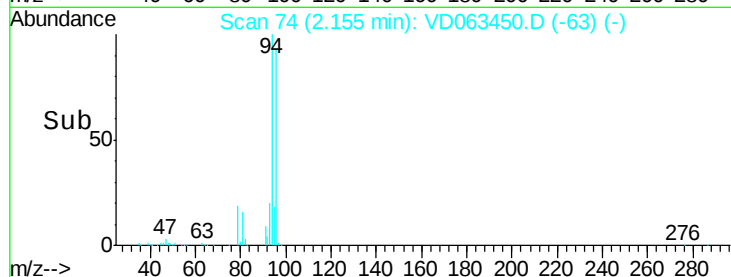
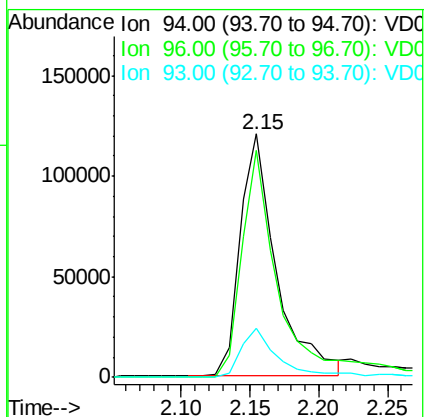
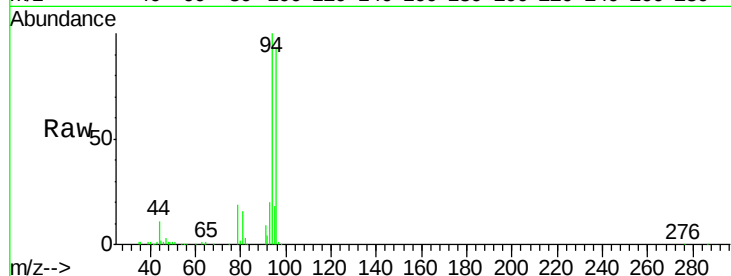
Tot Ion: 94 Resp: 220643

Ion Ratio Lower Upper

94 100

96 93.4 76.4 114.6

93 20.1 17.3 25.9



#6

Chloroethane

Concen: 45.645 ug/l

RT: 2.27 min Scan# 86

Delta R.T. 0.01 min

Lab File: VD063450.D

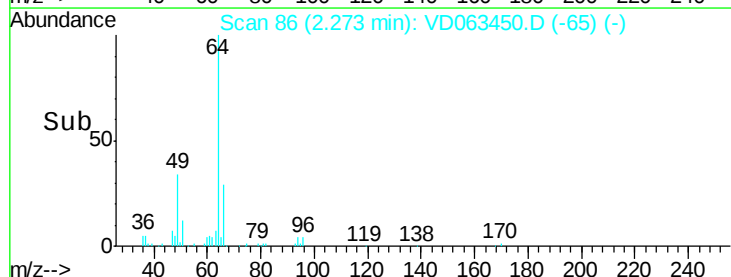
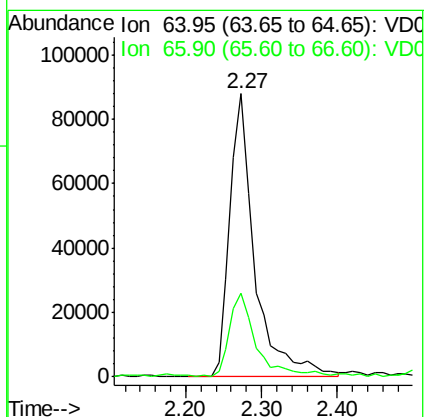
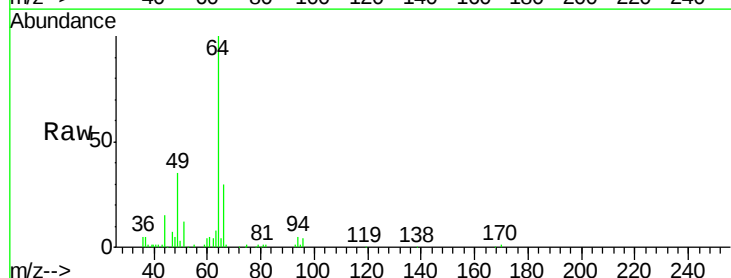
Acq: 8 Aug 2019 20:35

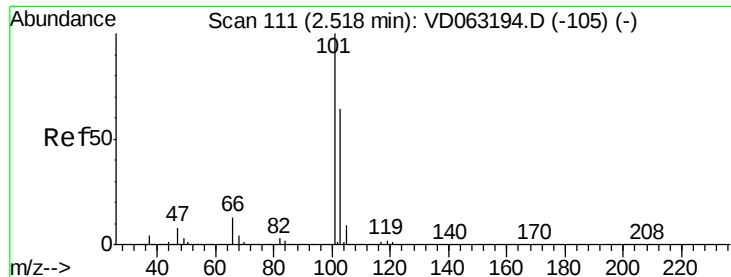
Tgt Ion: 64 Resp: 201390

Ion Ratio Lower Upper

64 100

66 29.7 22.2 33.2



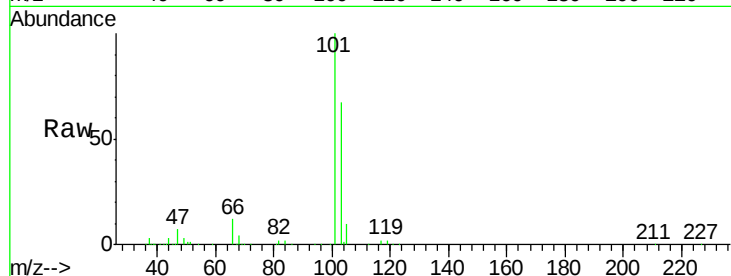


#7

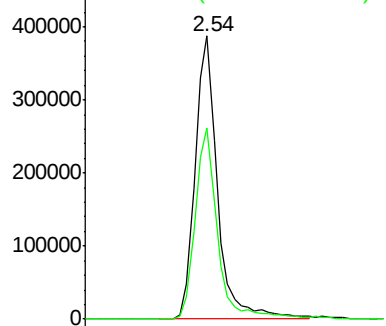
Trichlorofluoromethane
Concen: 46.974 ug/l
RT: 2.54 min Scan# 113
Delta R.T. 0.02 min
Lab File: VD063450.D
Acq: 8 Aug 2019 20:35

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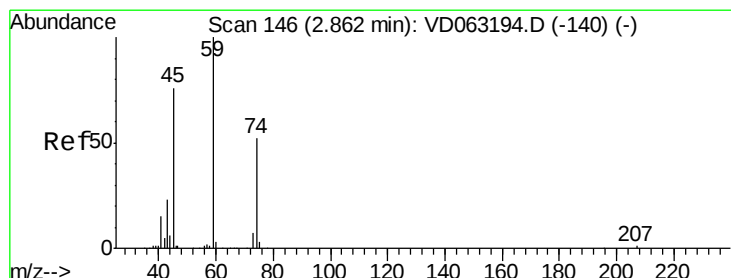
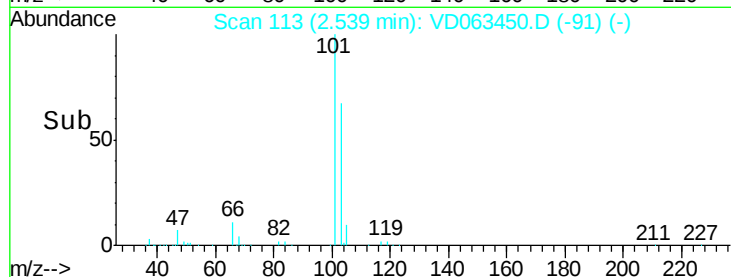
Tot Ion:101 Resp: 870870
Ion Ratio Lower Upper
101 100
103 67.4 51.5 77.3



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



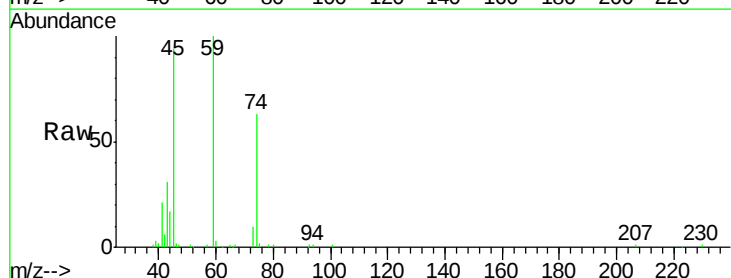
Time--> 2.40 2.50 2.60 2.70



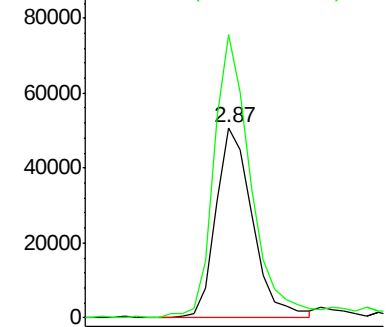
#8

Diethyl Ether
Concen: 42.562 ug/l
RT: 2.87 min Scan# 147
Delta R.T. 0.01 min
Lab File: VD063450.D
Acq: 8 Aug 2019 20:35

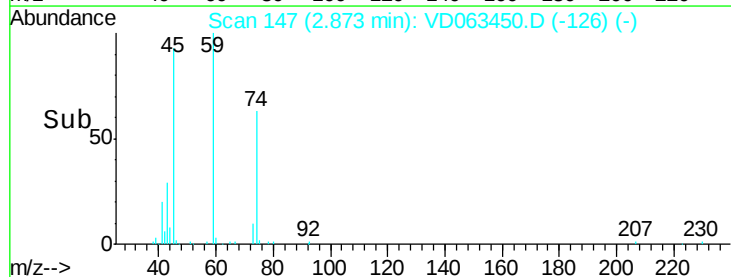
Tgt Ion: 74 Resp: 110434
Ion Ratio Lower Upper
74 100
45 148.7 73.6 220.8

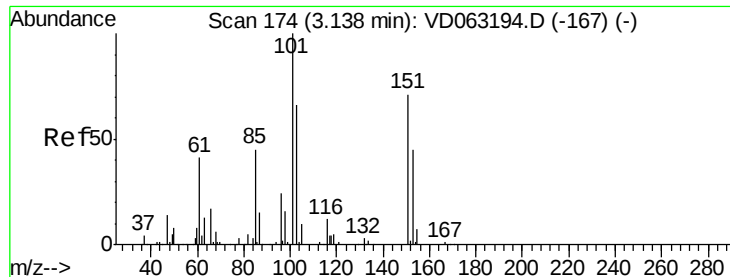


Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.05 (44.75 to 45.75): VDC



Time--> 2.80 2.85 2.90 2.95





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.137 ug/l

RT: 3.15 min Scan# 175

Delta R.T. 0.01 min

Lab File: VD063450.D

Acq: 8 Aug 2019 20:35

Instrument :

MSVOA_D

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VSTDCCC050EC

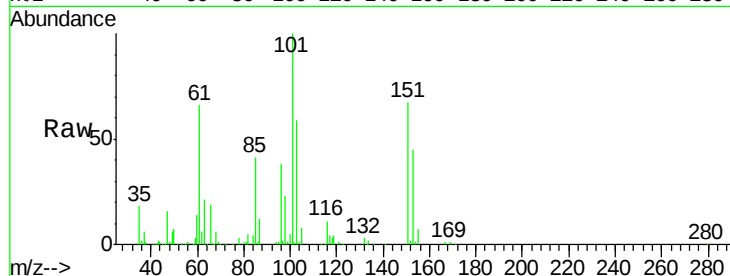
Tot Ion:101 Resp: 535425

Ion Ratio Lower Upper

101 100

85 40.6 36.1 54.1

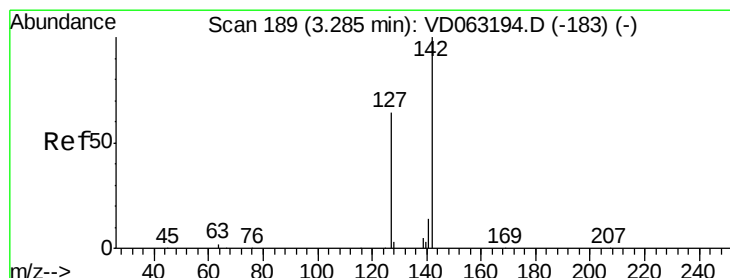
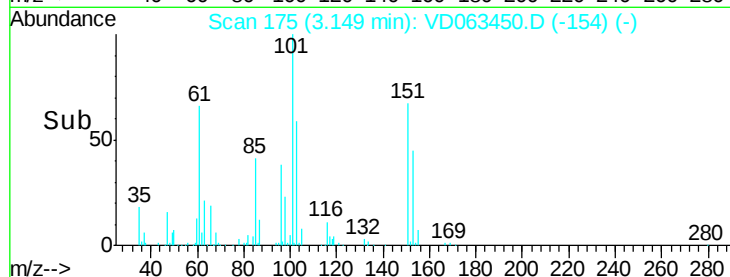
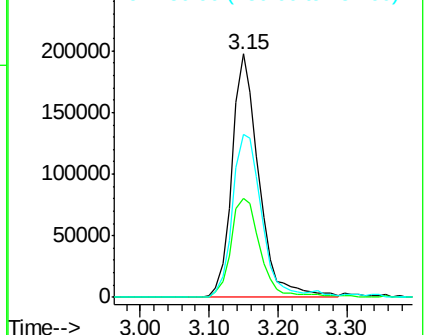
151 67.2 57.1 85.7



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 48.410 ug/l

RT: 3.31 min Scan# 191

Delta R.T. 0.02 min

Lab File: VD063450.D

Acq: 8 Aug 2019 20:35

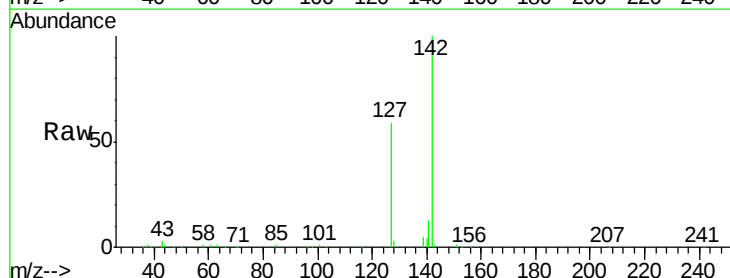
Tgt Ion:142 Resp: 718185

Ion Ratio Lower Upper

142 100

127 59.0 50.8 76.2

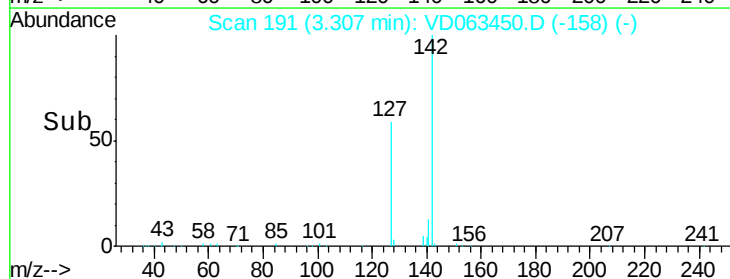
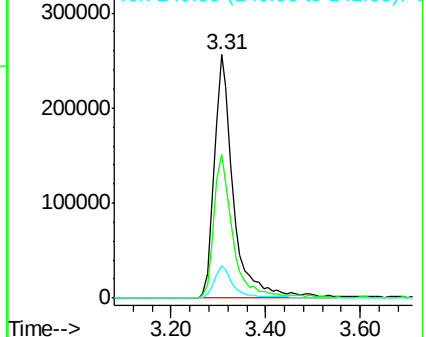
141 13.2 11.4 17.2

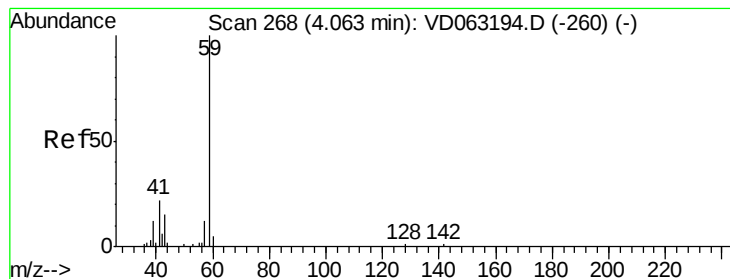


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



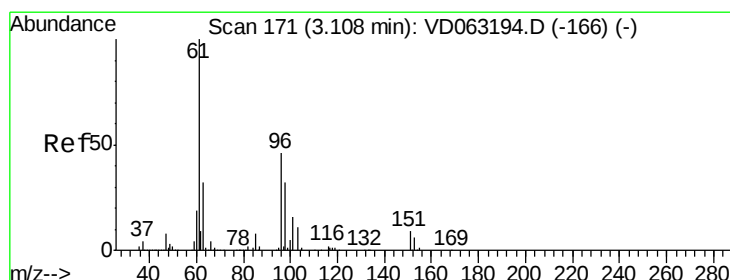
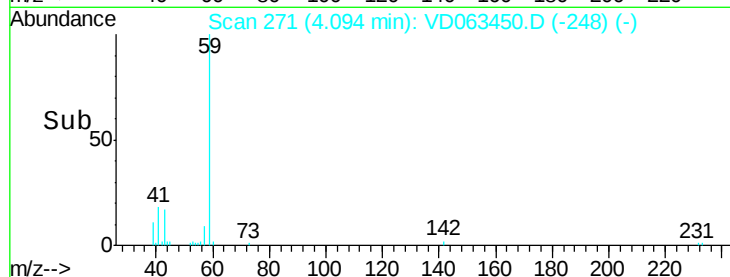
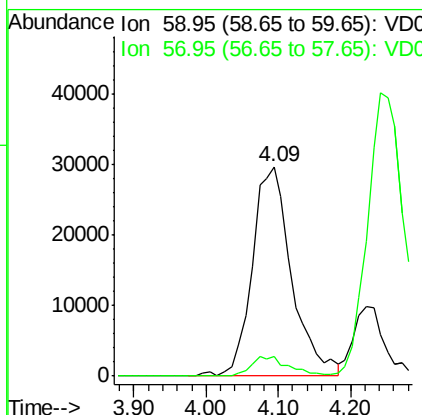
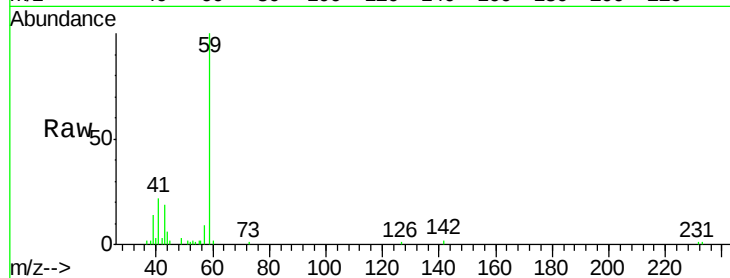


#11

Tert butyl alcohol
Concen: 236.948 ug/l
RT: 4.09 min Scan# 271
Delta R.T. 0.03 min
Lab File: VD063450.D
Acq: 8 Aug 2019 20:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

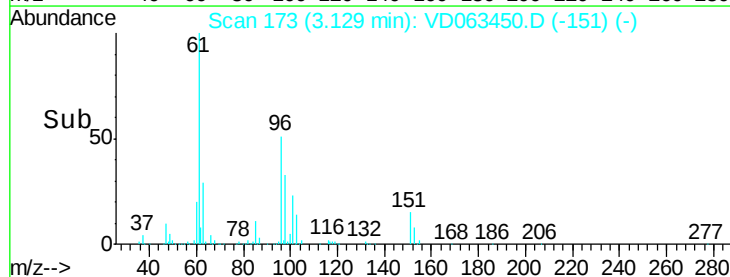
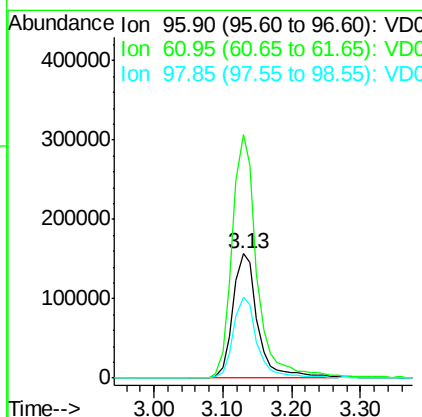
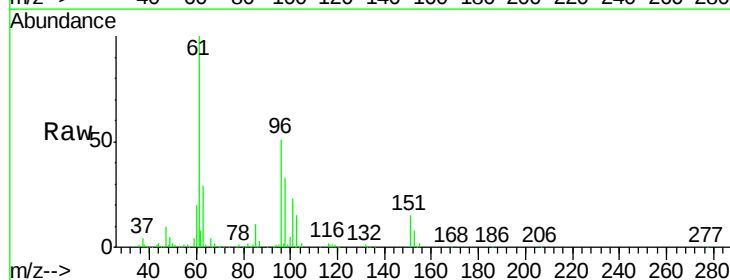
Tot Ion: 59 Resp: 112150
Ion Ratio Lower Upper
59 100
57 9.3 9.6 14.4#

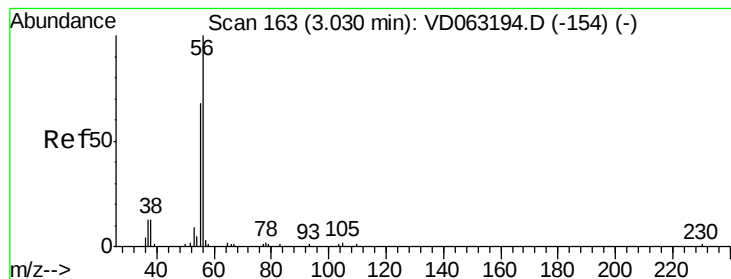


#12

1,1-Dichloroethene
Concen: 52.346 ug/l
RT: 3.13 min Scan# 173
Delta R.T. 0.02 min
Lab File: VD063450.D
Acq: 8 Aug 2019 20:35

Tgt Ion: 96 Resp: 394650
Ion Ratio Lower Upper
96 100
61 195.6 173.7 260.5
98 64.8 55.8 83.8





#13

Acrolein

Concen: 176.514 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.01 min

Lab File: VD063450.D

Acq: 8 Aug 2019 20:35

Instrument :

MSVOA_D

ClientSampleId :

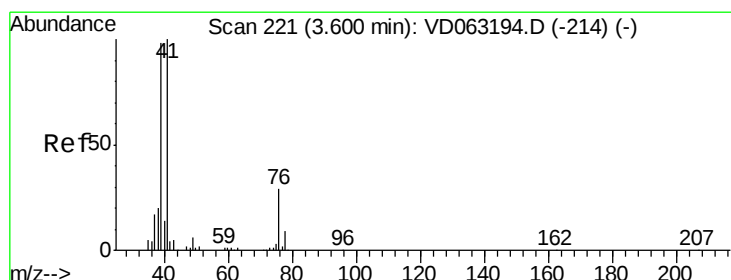
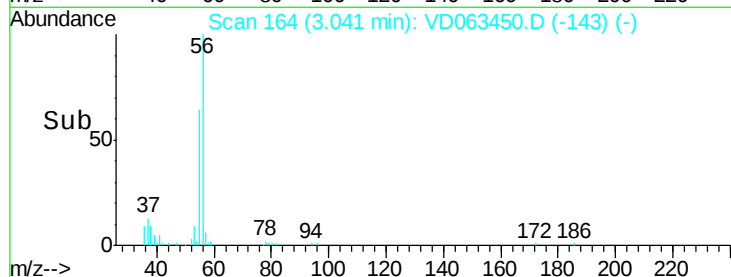
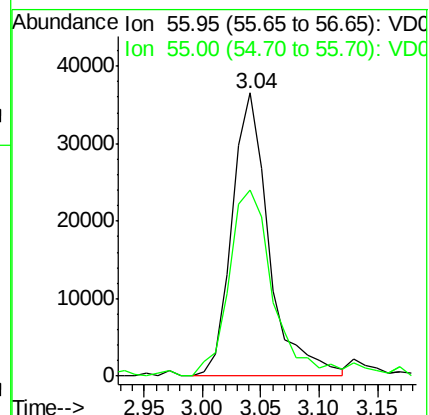
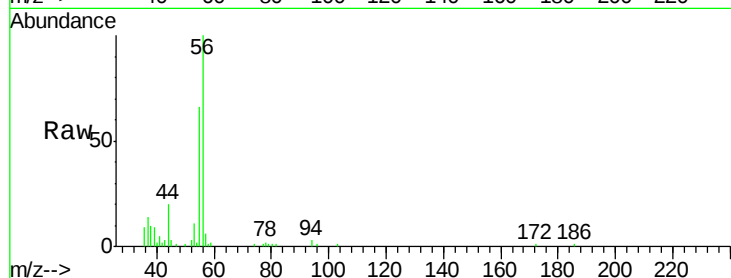
VSTDCCC050EC

Tot Ion: 56 Resp: 80405

Ion Ratio Lower Upper

56 100

55 65.7 55.3 82.9



#14

Allyl chloride

Concen: 47.990 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.03 min

Lab File: VD063450.D

Acq: 8 Aug 2019 20:35

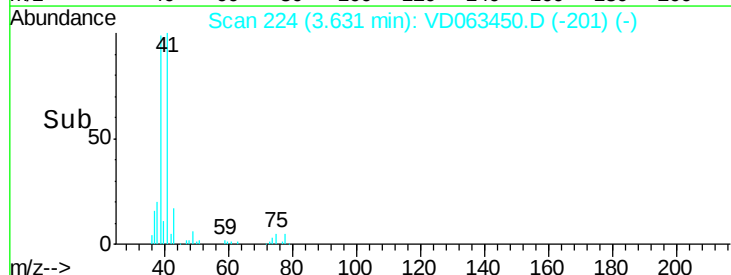
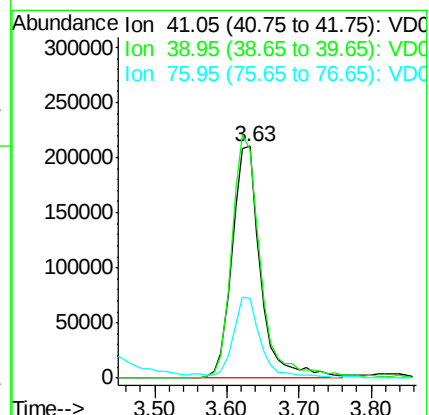
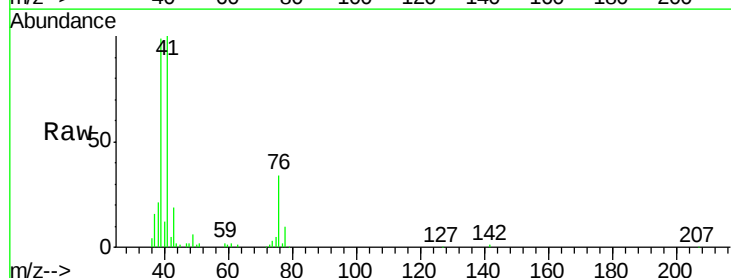
Tgt Ion: 41 Resp: 576375

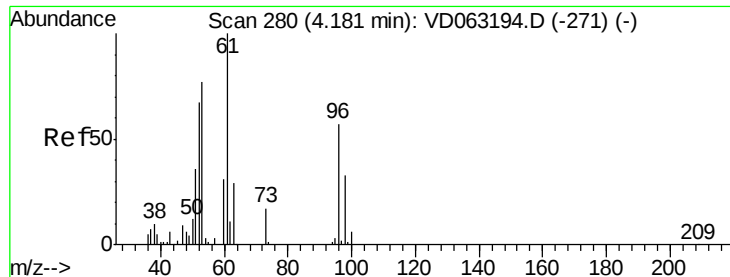
Ion Ratio Lower Upper

41 100

39 98.6 78.6 117.8

76 34.5 24.5 36.7





#15

Acrylonitrile

Concen: 245.405 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.02 min

Lab File: VD063450.D

Acq: 8 Aug 2019 20:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

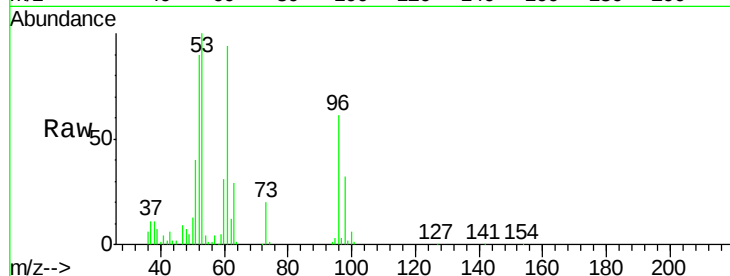
Tot Ion: 53 Resp: 301135

Ion Ratio Lower Upper

53 100

52 89.9 69.7 104.5

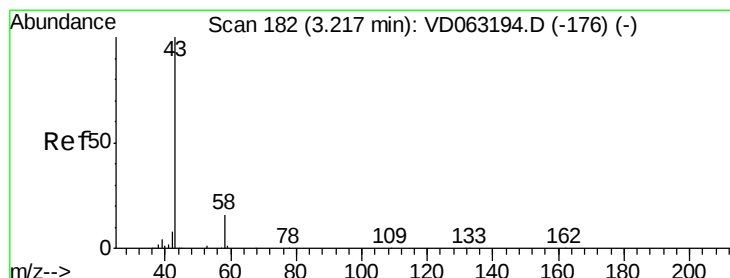
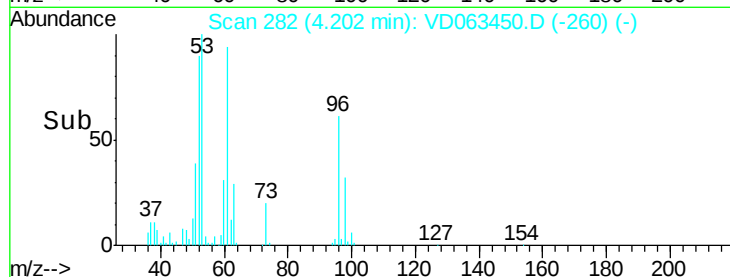
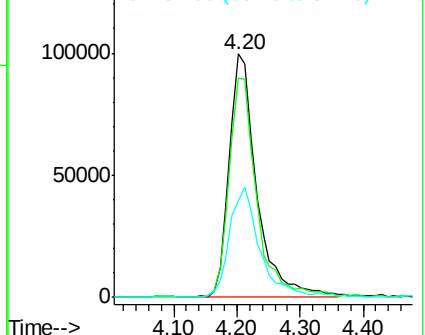
51 39.6 37.4 56.0



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 217.958 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.01 min

Lab File: VD063450.D

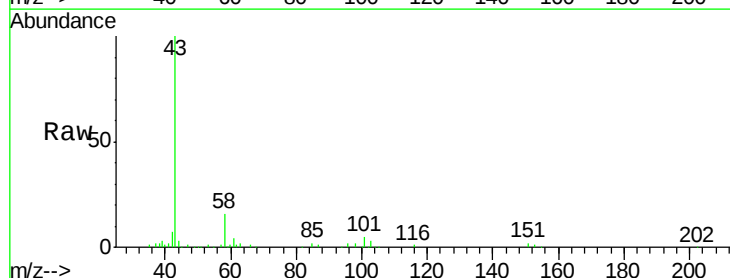
Acq: 8 Aug 2019 20:35

Tgt Ion: 43 Resp: 458017

Ion Ratio Lower Upper

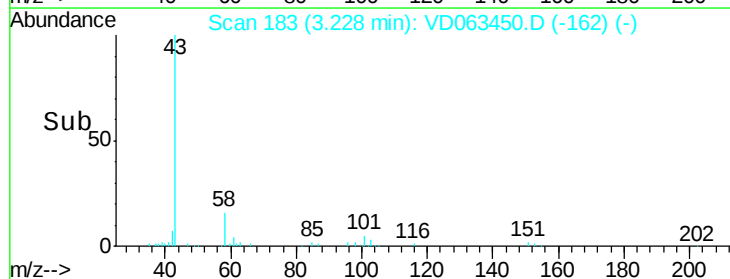
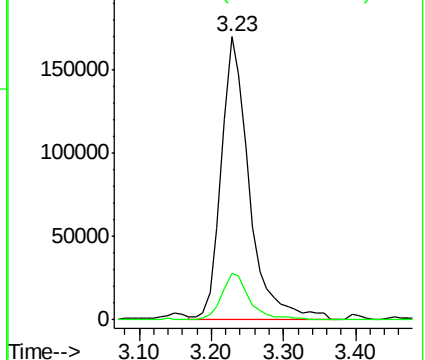
43 100

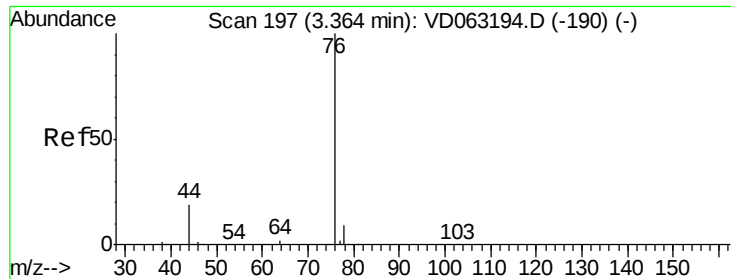
58 16.3 13.0 19.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

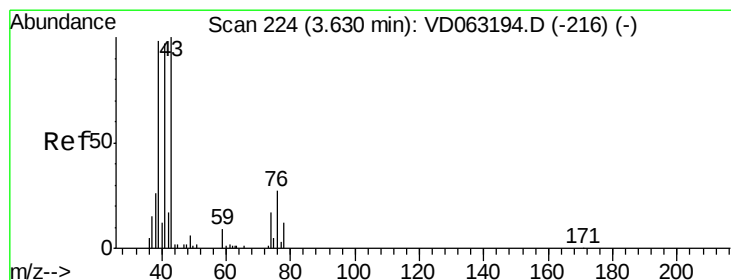
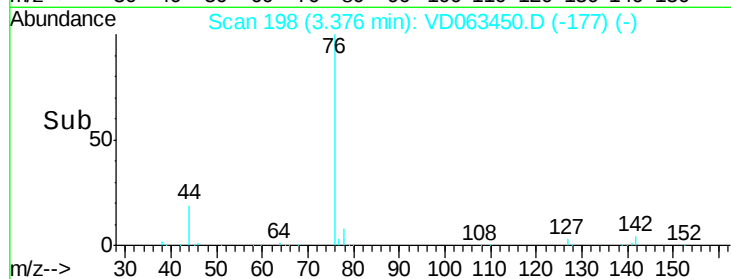
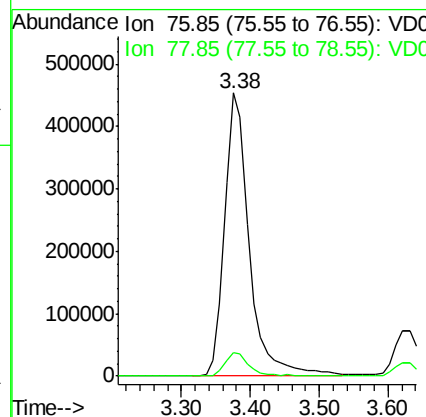
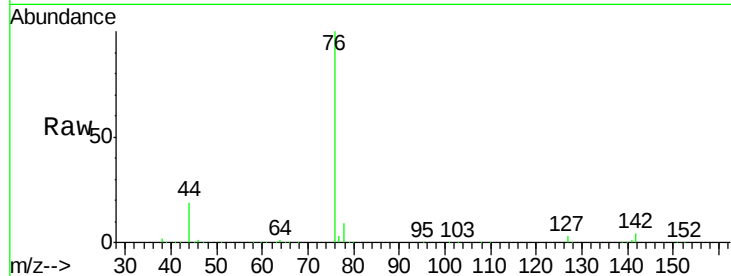




#17
Carbon Disulfide
Concen: 44.655 ug/l
RT: 3.38 min Scan# 198
Delta R.T. 0.01 min
Lab File: VD063450.D
Acq: 8 Aug 2019 20:35

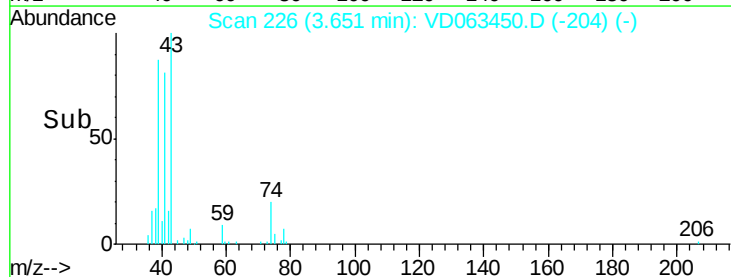
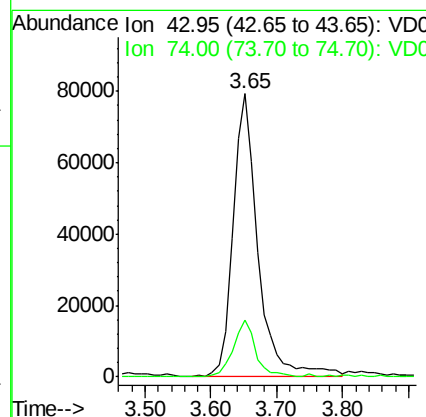
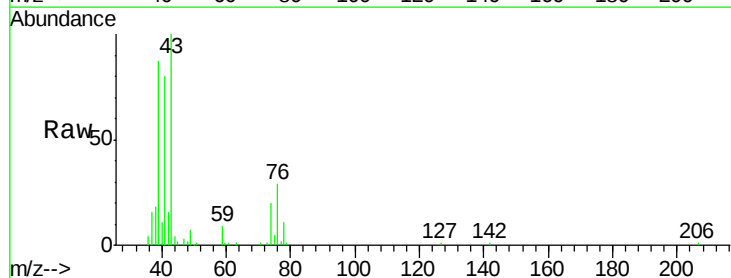
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

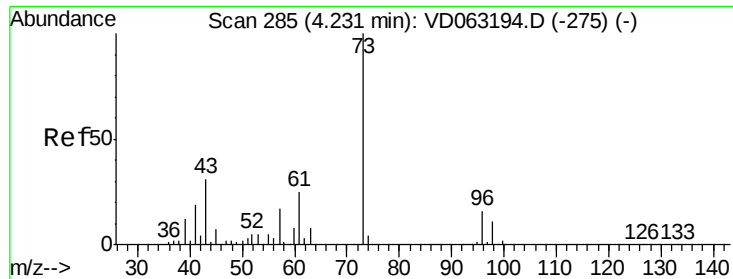
Tot Ion: 76 Resp: 1126849
Ion Ratio Lower Upper
76 100
78 8.5 7.4 11.2



#18
Methyl Acetate
Concen: 52.286 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.02 min
Lab File: VD063450.D
Acq: 8 Aug 2019 20:35

Tgt Ion: 43 Resp: 211048
Ion Ratio Lower Upper
43 100
74 20.1 13.8 20.8

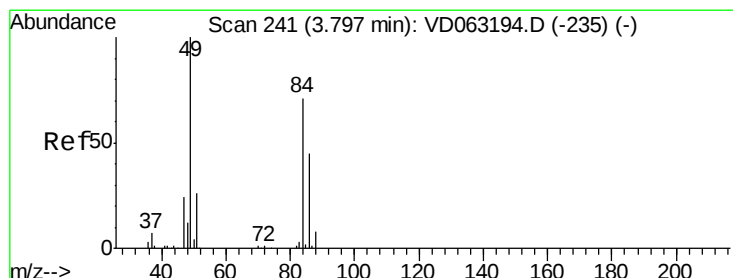
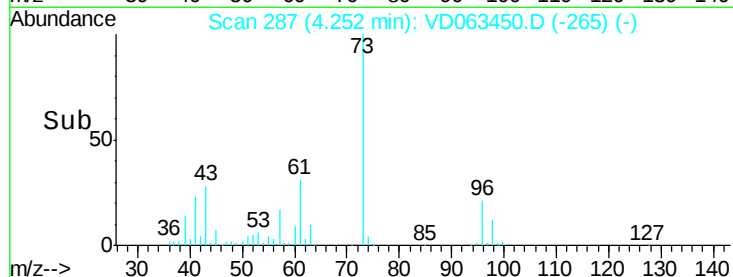
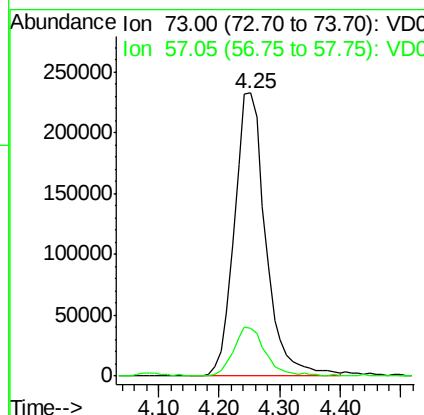
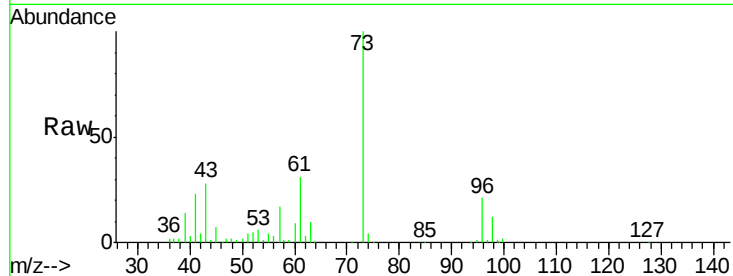




#19
Methvl tert-butvl Ether
Concen: 49.282 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.02 min
Lab File: VD063450.D
Acq: 8 Aug 2019 20:35

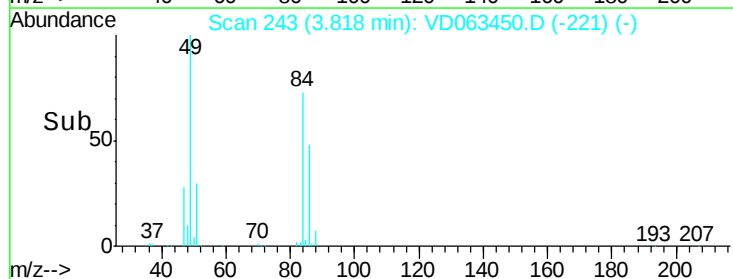
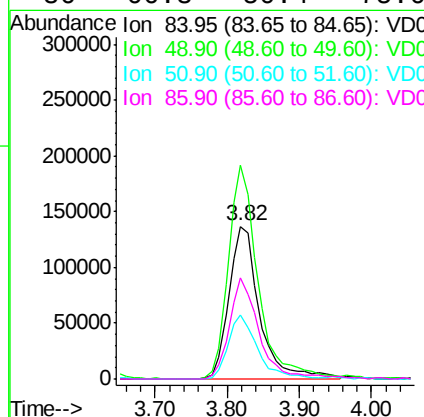
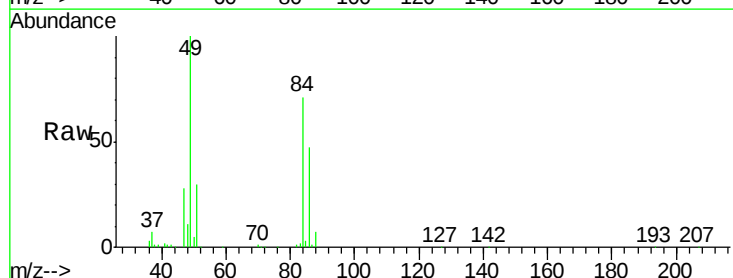
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

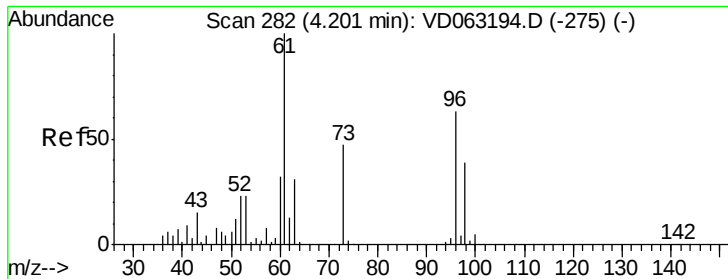
Tot Ion: 73 Resp: 839279
Ion Ratio Lower Upper
73 100
57 17.0 13.8 20.6



#20
Methylene Chloride
Concen: 47.557 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.02 min
Lab File: VD063450.D
Acq: 8 Aug 2019 20:35

Tgt Ion: 84 Resp: 403952
Ion Ratio Lower Upper
84 100
49 140.0 112.5 168.7
51 41.9 29.6 44.4
86 66.3 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 48.698 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.02 min

Lab File: VD063450.D

Acq: 8 Aug 2019 20:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

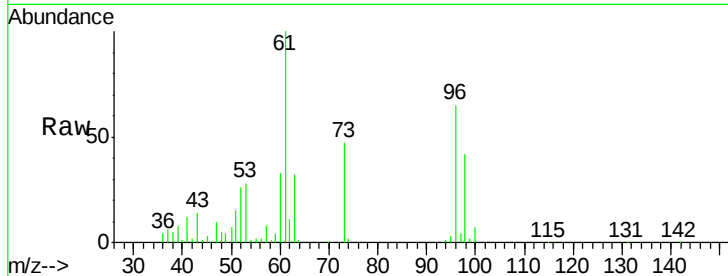
Tot Ion: 96 Resp: 411955

Ion Ratio Lower Upper

96 100

61 154.7 127.4 191.2

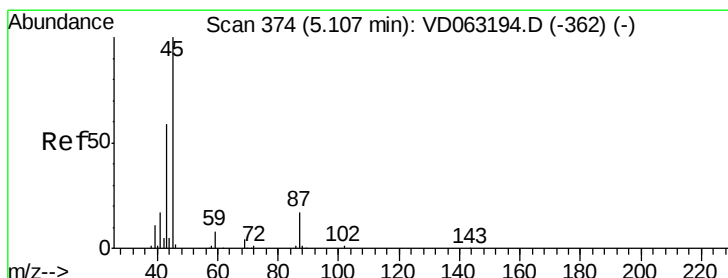
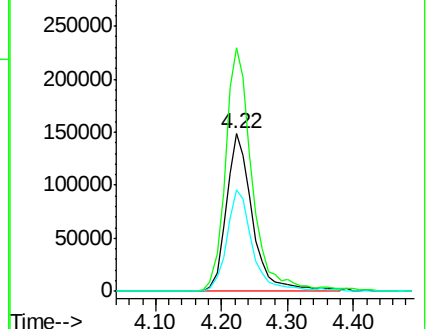
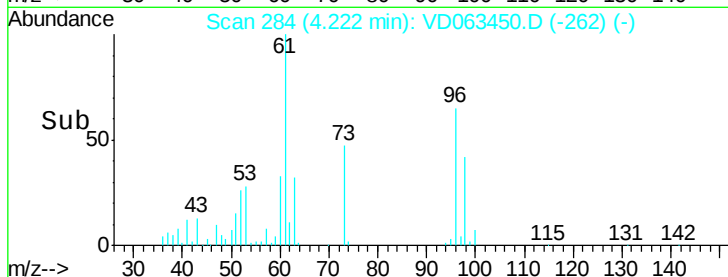
98 64.4 49.3 73.9



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 48.992 ug/l

RT: 5.13 min Scan# 376

Delta R.T. 0.02 min

Lab File: VD063450.D

Acq: 8 Aug 2019 20:35

Tgt Ion: 45 Resp: 1175573

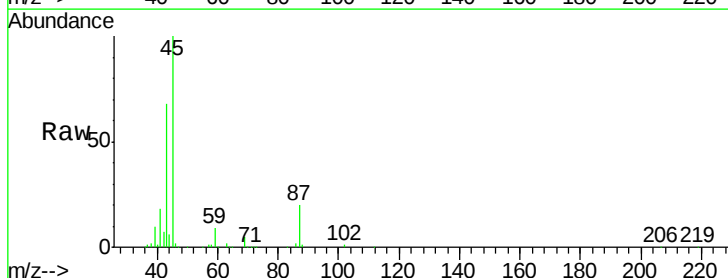
Ion Ratio Lower Upper

45 100

43 68.2 51.7 77.5

87 20.0 14.6 21.8

59 8.6 6.6 10.0

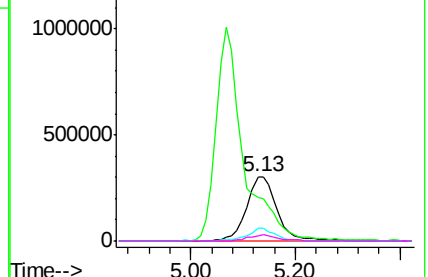
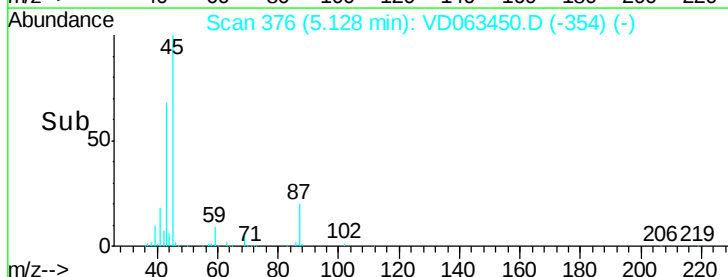


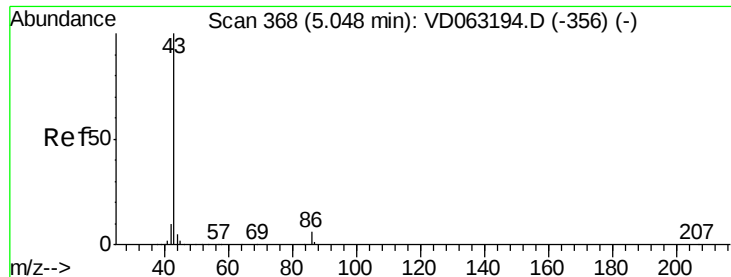
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 247.863 ug/l

RT: 5.07 min Scan# 370

Delta R.T. 0.02 min

Lab File: VD063450.D

Acq: 8 Aug 2019 20:35

Instrument :

MSVOA_D

ClientSampleId :

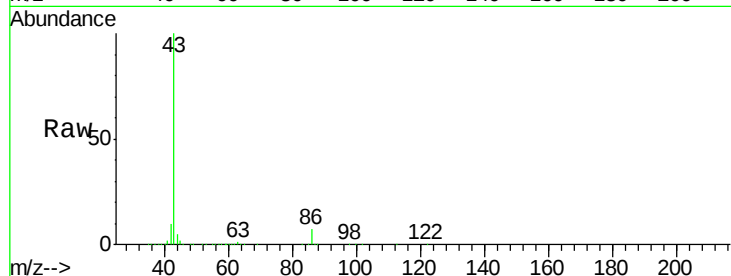
VSTDCCC050EC

Tot Ion: 43 Resp: 3655957

Ion Ratio Lower Upper

43 100

86 7.0 4.9 7.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

1200000

1000000

800000

600000

400000

200000

0

Time-->

4.90 5.00 5.10 5.20 5.30

5.07

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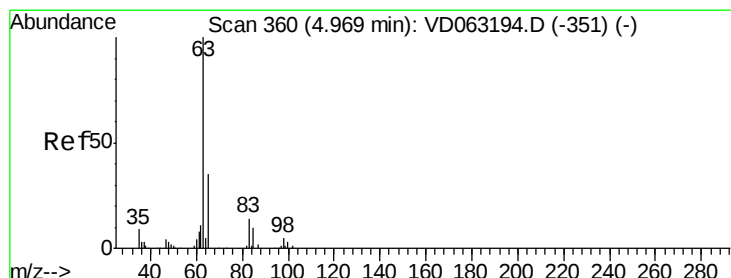
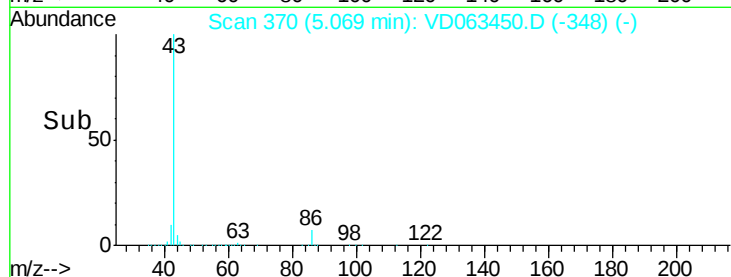
5.07

5.07

5.07

5.07

5.07



#24

1,1-Dichloroethane

Concen: 50.148 ug/l

RT: 5.00 min Scan# 363

Delta R.T. 0.03 min

Lab File: VD063450.D

Acq: 8 Aug 2019 20:35

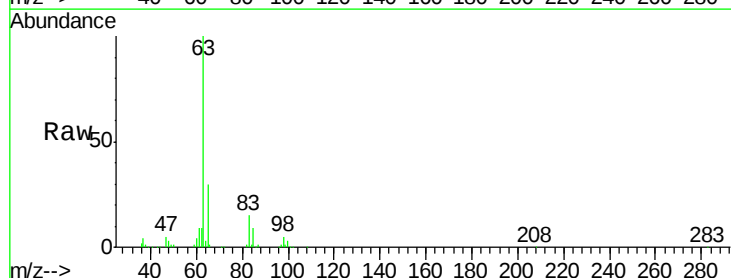
Tgt Ion: 63 Resp: 768616

Ion Ratio Lower Upper

63 100

98 4.7 2.8 8.4

100 2.7 1.3 3.9



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

300000

250000

200000

150000

100000

50000

0

Time-->

4.80 4.90 5.00 5.10 5.20

5.00

5.00

5.00

5.00

5.00

5.00

5.00

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5.00

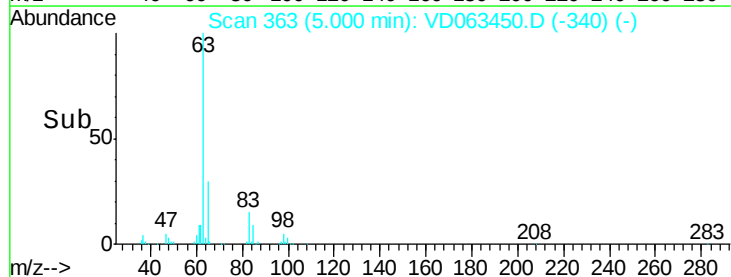
5.00

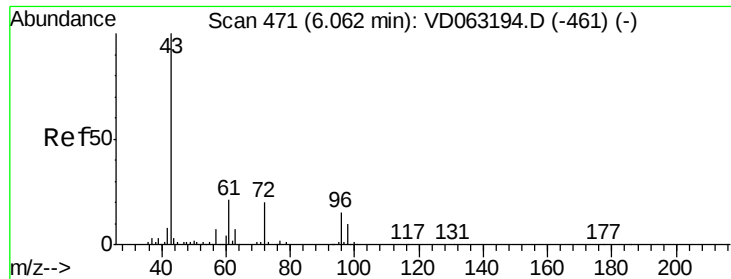
5.00

5.00

5.00

5.00





#25

2-Butanone

Concen: 245.547 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.02 min

Lab File: VD063450.D

Acq: 8 Aug 2019 20:35

Instrument :

MSVOA_D

ClientSampleId :

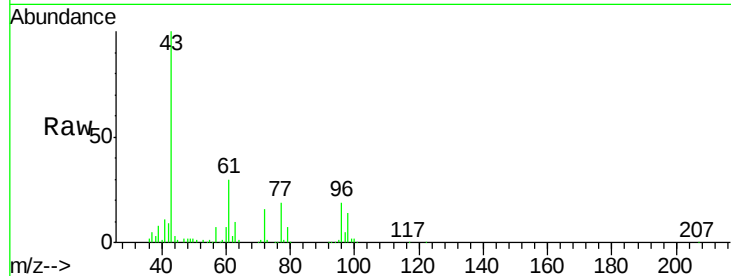
VSTDCCC050EC

Tot Ion: 43 Resp: 517841

Ion Ratio Lower Upper

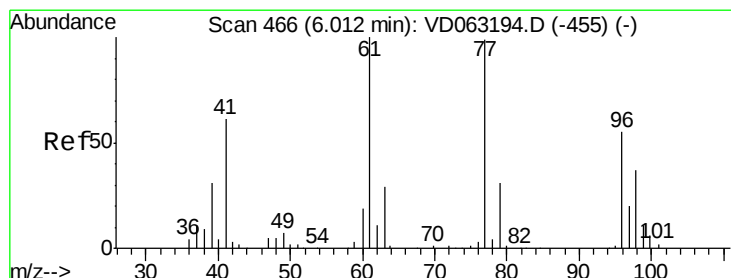
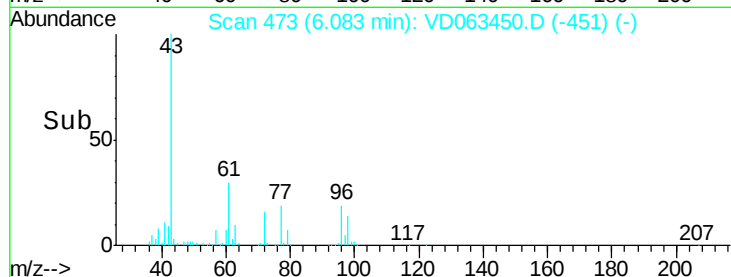
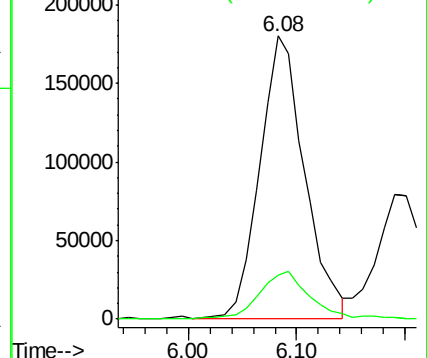
43 100

72 15.8 16.3 24.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 48.566 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.02 min

Lab File: VD063450.D

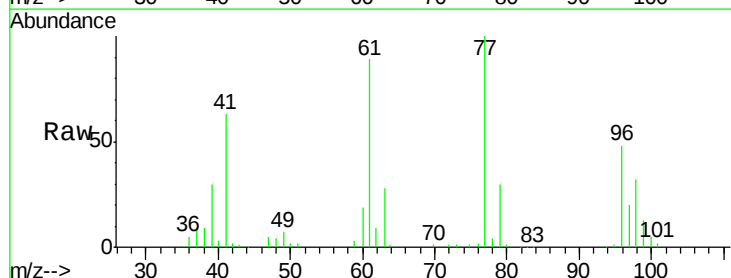
Acq: 8 Aug 2019 20:35

Tgt Ion: 77 Resp: 767101

Ion Ratio Lower Upper

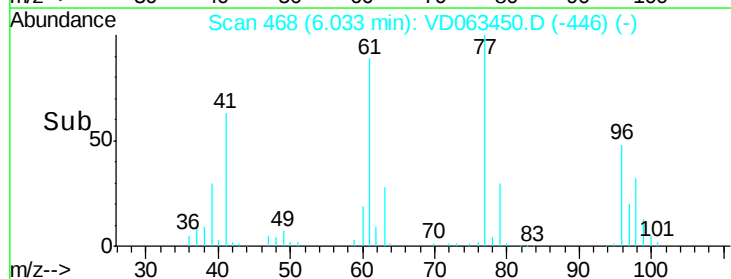
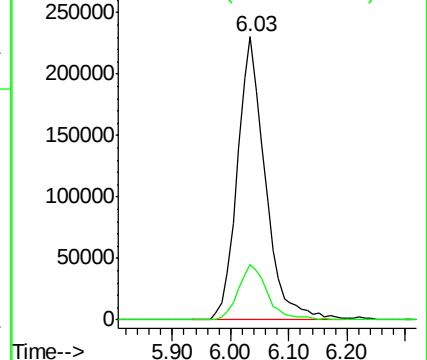
77 100

97 19.7 10.2 30.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



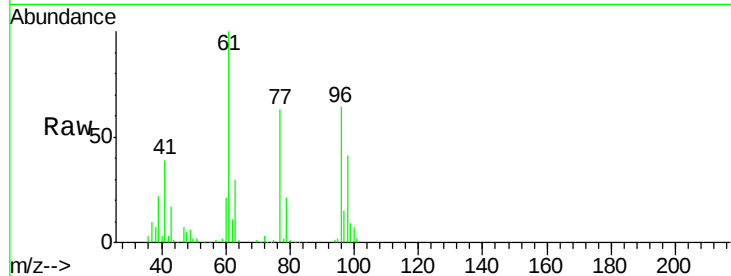


#27

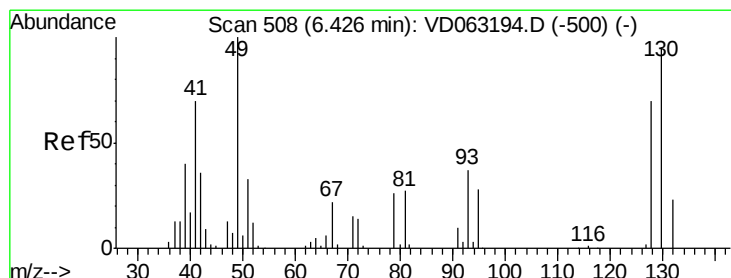
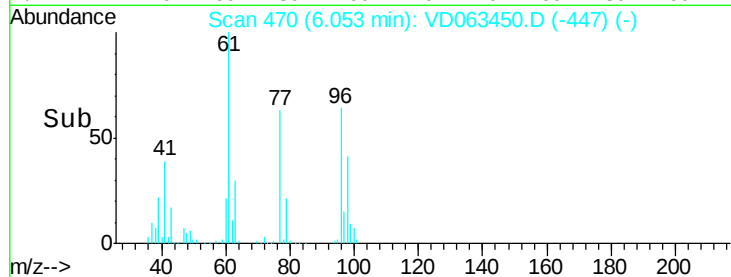
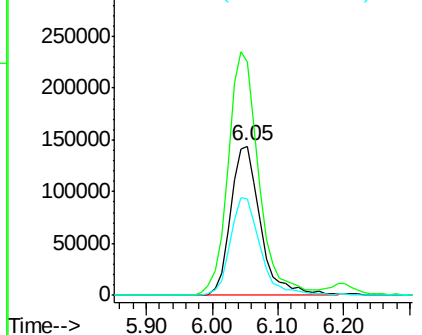
cis-1,2-Dichloroethene
Concen: 50.657 ug/l
RT: 6.05 min Scan# 470
Delta R.T. 0.03 min
Lab File: VD063450.D
Acq: 8 Aug 2019 20:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	156.1	0.0	337.2
98	64.6	0.0	130.6



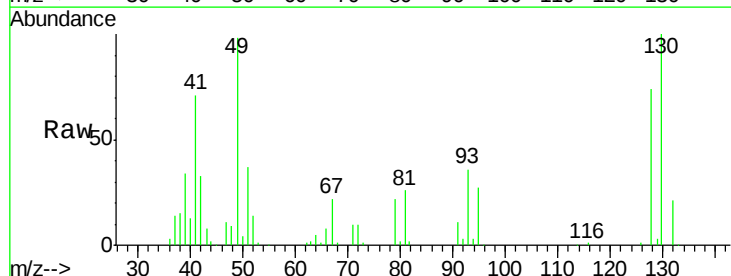
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



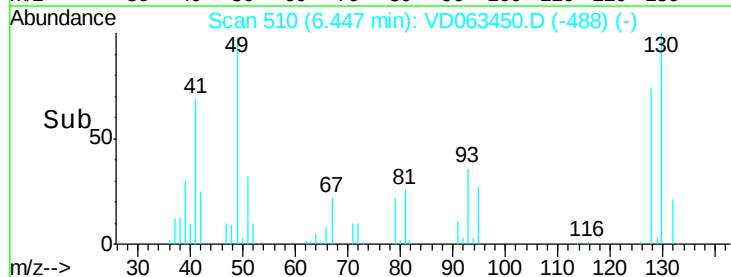
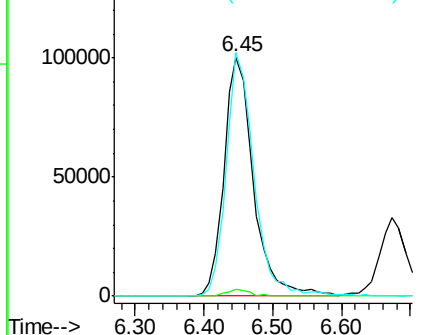
#28

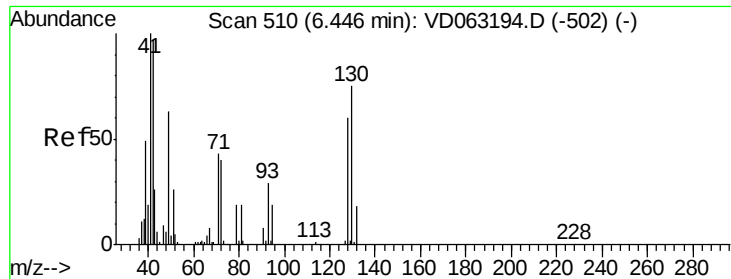
Bromochloromethane
Concen: 48.479 ug/l
RT: 6.45 min Scan# 510
Delta R.T. 0.02 min
Lab File: VD063450.D
Acq: 8 Aug 2019 20:35

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.9	0.0	0.0#
130	102.1	75.7	113.5



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

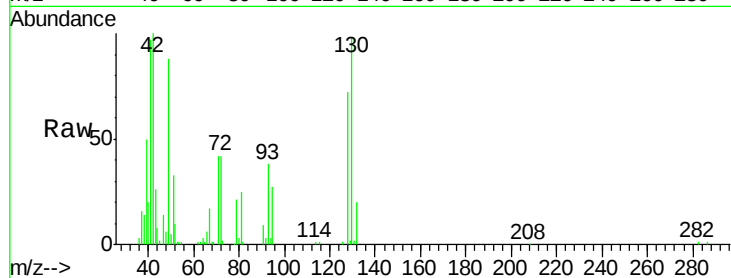




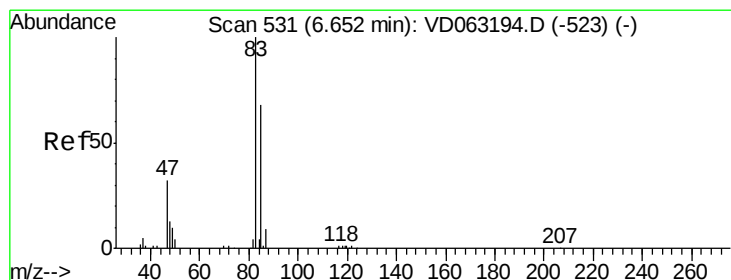
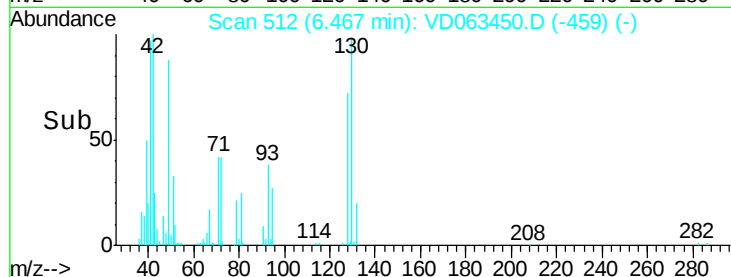
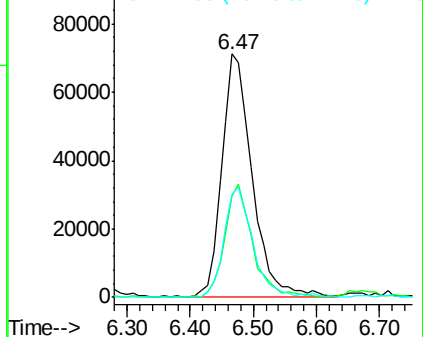
#29
Tetrahydrofuran
Concen: 238.410 ug/l
RT: 6.47 min Scan# 512
Delta R.T. 0.02 min
Lab File: VD063450.D
Acq: 8 Aug 2019 20:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 42 Resp: 238045
Ion Ratio Lower Upper
42 100
72 42.5 33.4 50.2
71 42.5 35.7 53.5

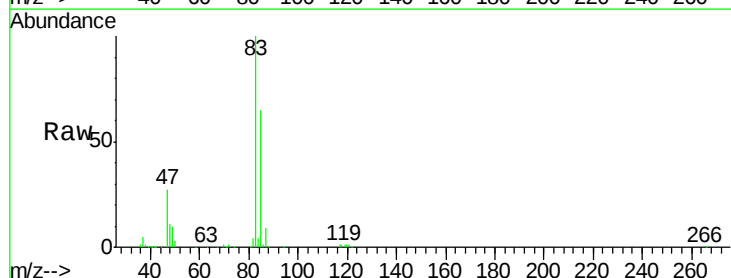


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

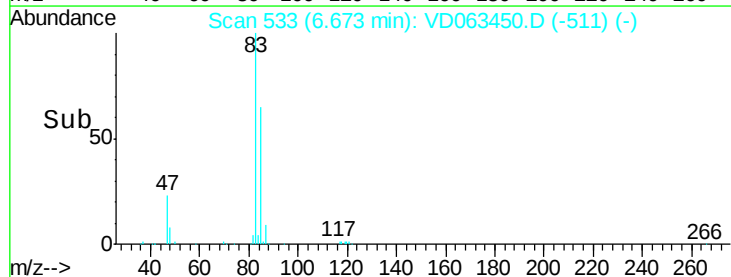
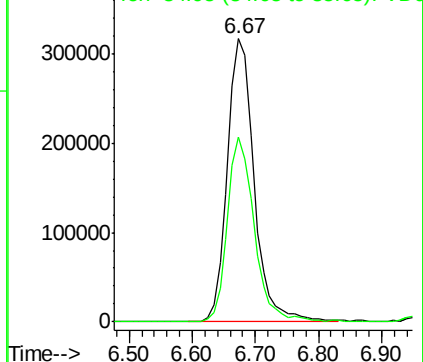


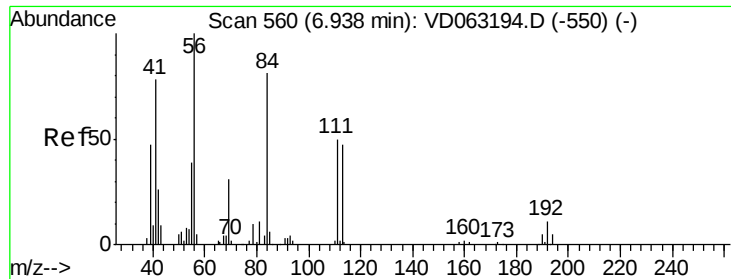
#30
Chloroform
Concen: 49.042 ug/l
RT: 6.67 min Scan# 533
Delta R.T. 0.02 min
Lab File: VD063450.D
Acq: 8 Aug 2019 20:35

Tgt Ion: 83 Resp: 932819
Ion Ratio Lower Upper
83 100
85 65.3 54.2 81.4



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

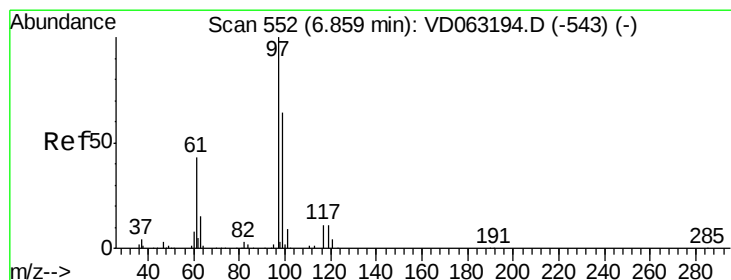
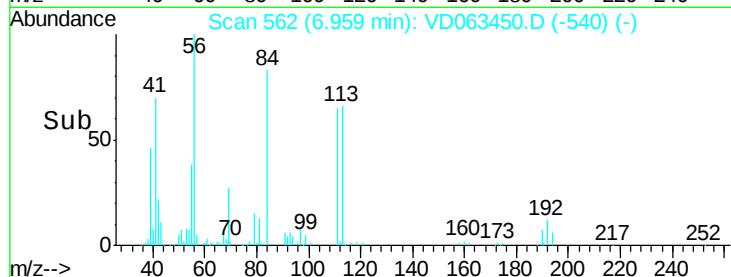
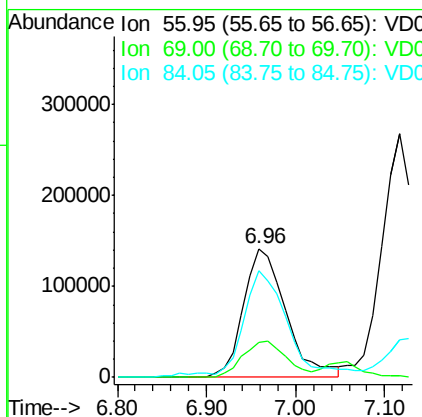
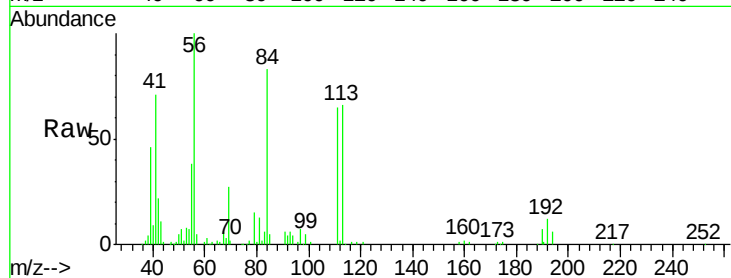




#31
Cyclohexane
Concen: 48.583 ug/l
RT: 6.96 min Scan# 562
Delta R.T. 0.02 min
Lab File: VD063450.D
Acq: 8 Aug 2019 20:35

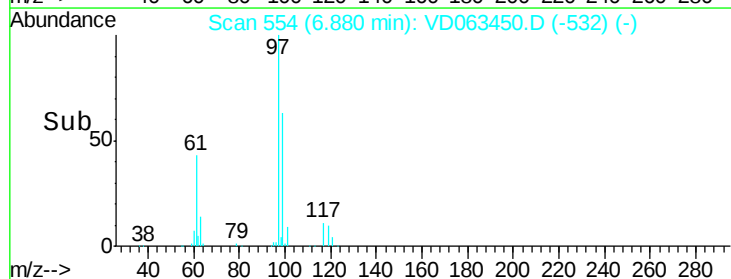
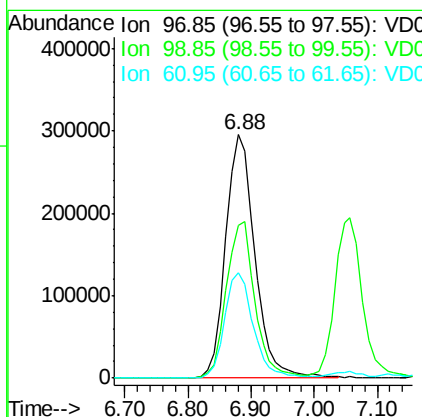
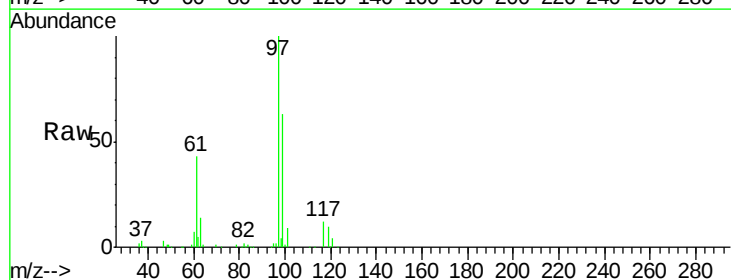
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

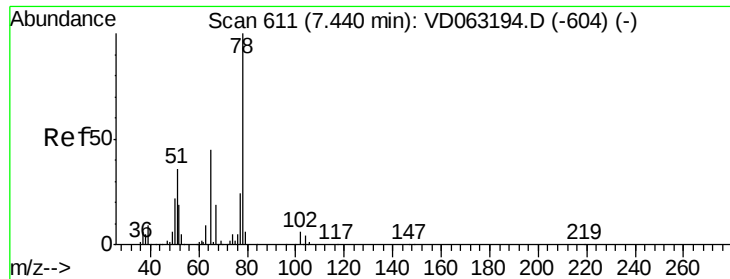
Tot Ion: 56 Resp: 466738
Ion Ratio Lower Upper
56 100
69 26.7 24.5 36.7
84 82.7 64.9 97.3



#32
1,1,1-Trichloroethane
Concen: 51.500 ug/l
RT: 6.88 min Scan# 554
Delta R.T. 0.02 min
Lab File: VD063450.D
Acq: 8 Aug 2019 20:35

Tgt Ion: 97 Resp: 947514
Ion Ratio Lower Upper
97 100
99 62.9 51.2 76.8
61 43.3 34.2 51.2

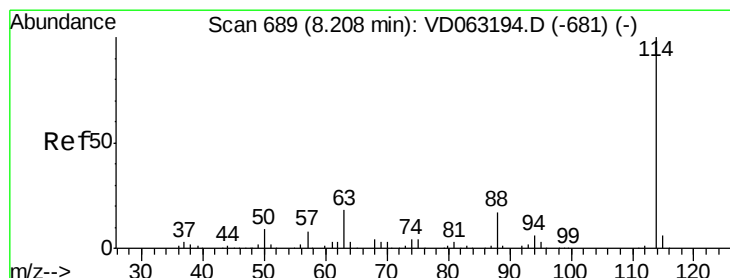
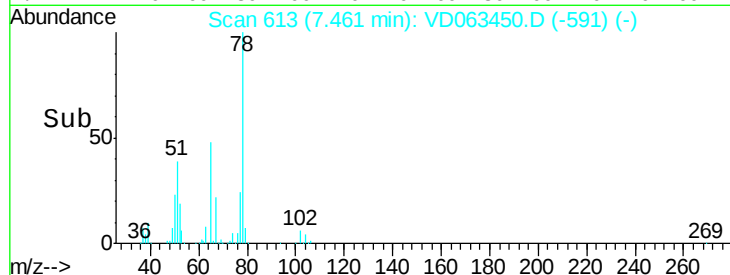
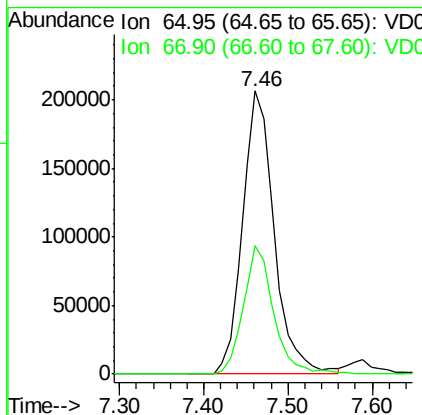
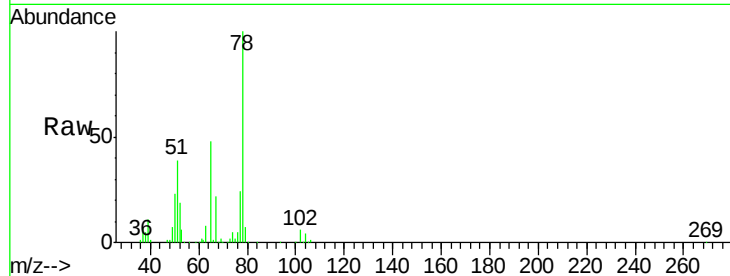




#33
 1,2-Dichloroethane-d4
 Concen: 50.314 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. 0.02 min
 Lab File: VD063450.D
 Acq: 8 Aug 2019 20:35

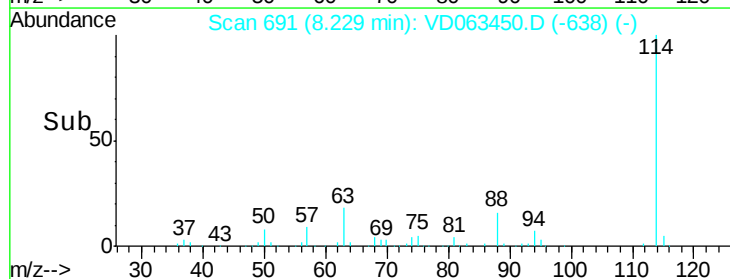
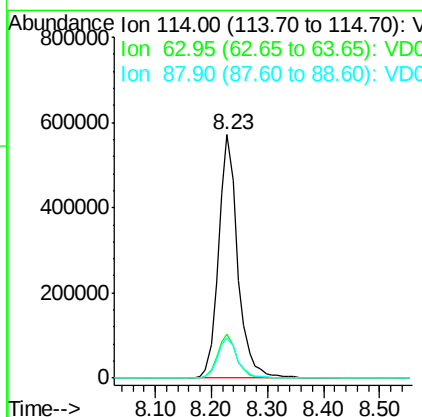
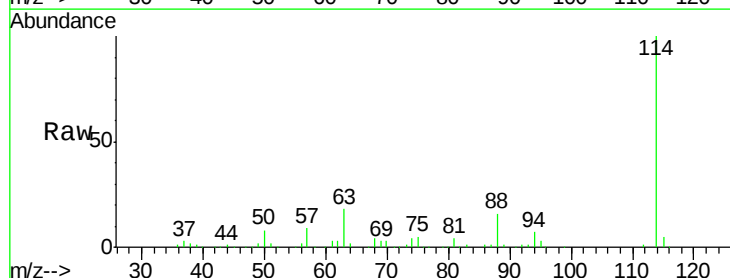
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

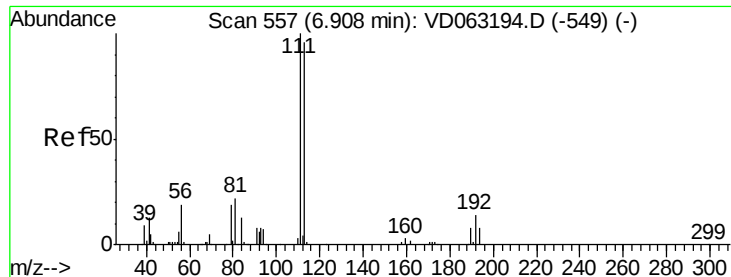
Tot Ion: 65 Resp: 542653
 Ion Ratio Lower Upper
 65 100
 67 45.6 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.02 min
 Lab File: VD063450.D
 Acq: 8 Aug 2019 20:35

Tgt Ion: 114 Resp: 1360673
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 35.2
 88 16.3 0.0 34.6

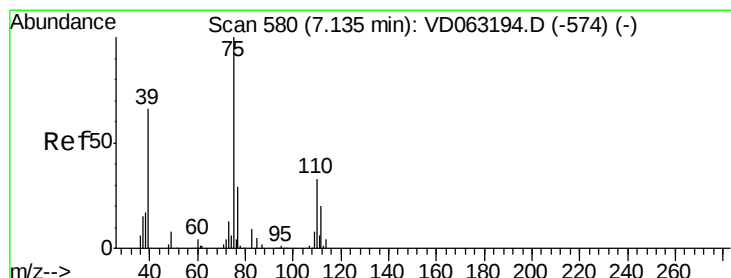
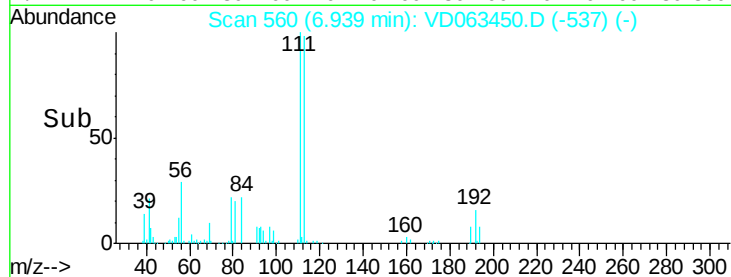
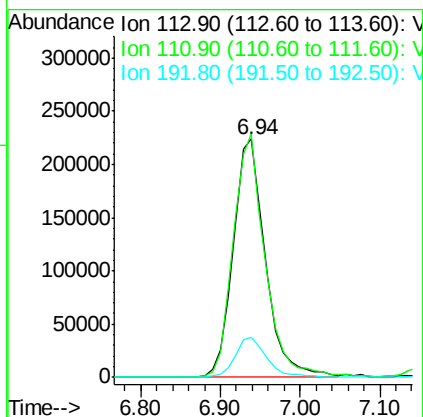
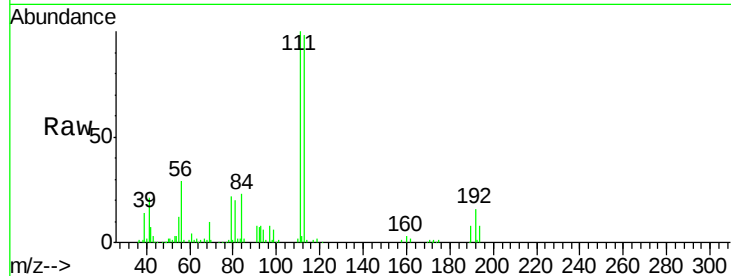




#35
 Dibromofluoromethane
 Concen: 54.229 ug/l
 RT: 6.94 min Scan# 560
 Delta R.T. 0.03 min
 Lab File: VD063450.D
 Acq: 8 Aug 2019 20:35

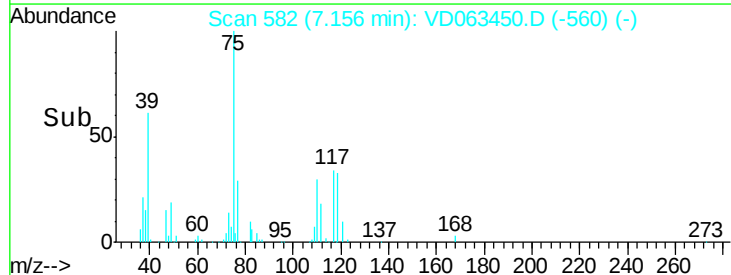
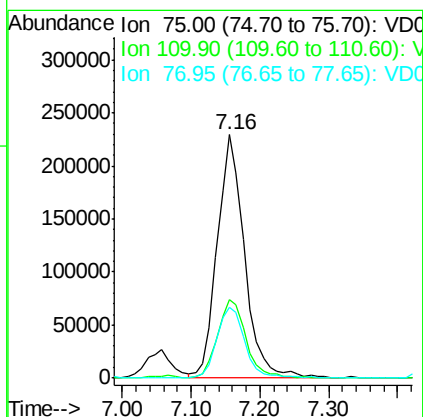
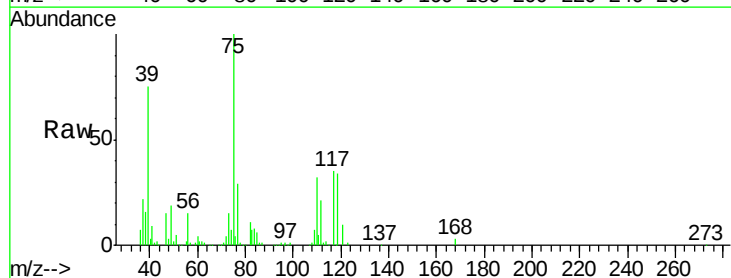
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

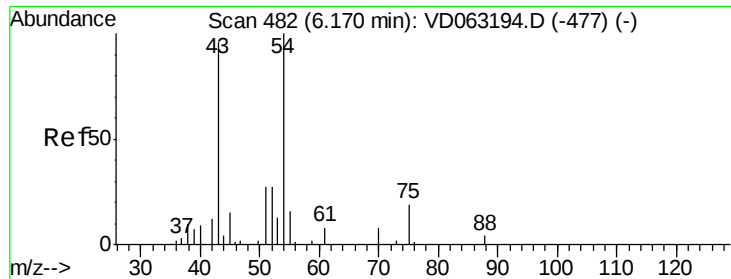
Tot Ion:113 Resp: 629994
 Ion Ratio Lower Upper
 113 100
 111 102.3 83.2 124.8
 192 16.8 11.8 17.8



#36
 1,1-Dichloropropene
 Concen: 50.163 ug/l
 RT: 7.16 min Scan# 582
 Delta R.T. 0.02 min
 Lab File: VD063450.D
 Acq: 8 Aug 2019 20:35

Tgt Ion: 75 Resp: 622912
 Ion Ratio Lower Upper
 75 100
 110 32.2 16.1 48.2
 77 28.8 22.7 34.1

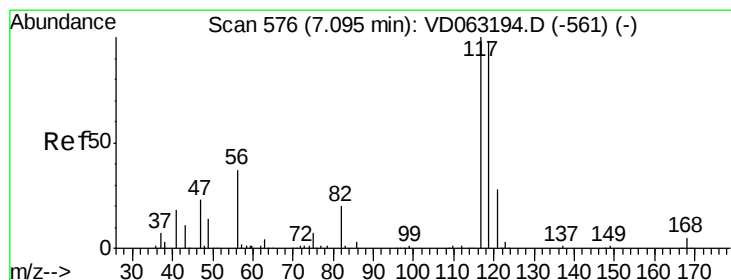
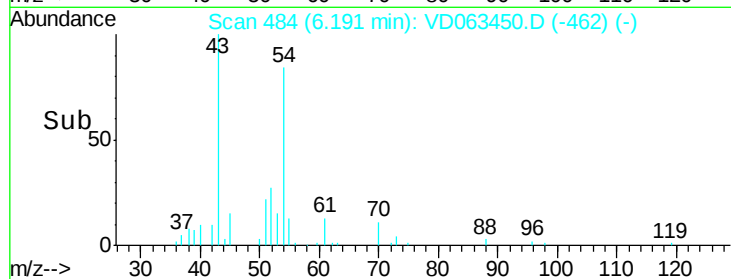
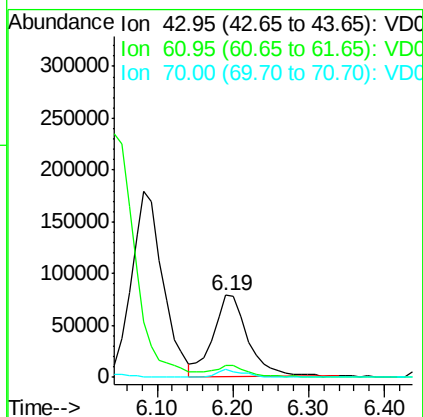
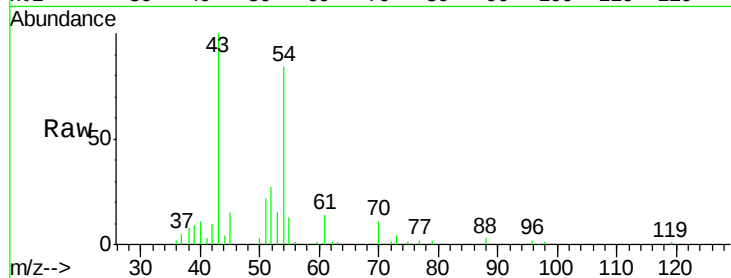




#37
Ethyl Acetate
Concen: 44.912 ug/l
RT: 6.19 min Scan# 484
Delta R.T. 0.02 min
Lab File: VD063450.D
Acq: 8 Aug 2019 20:35

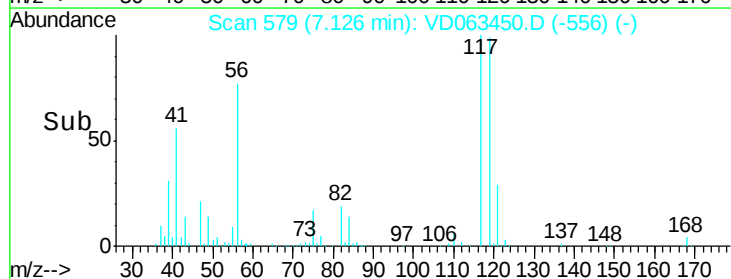
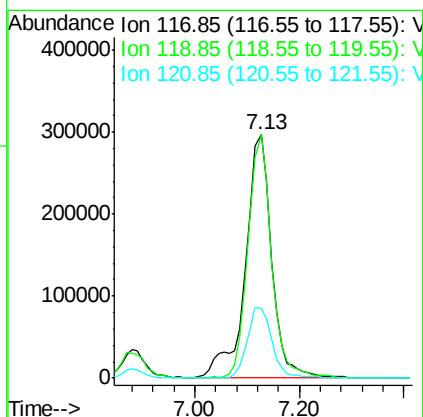
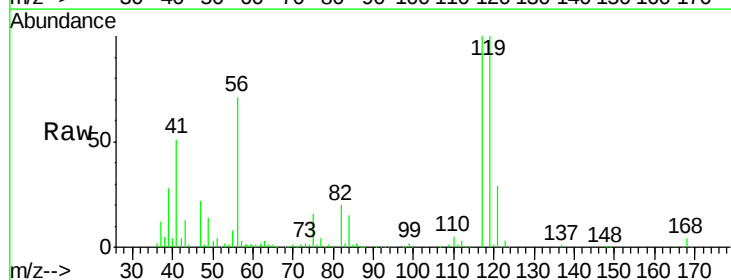
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

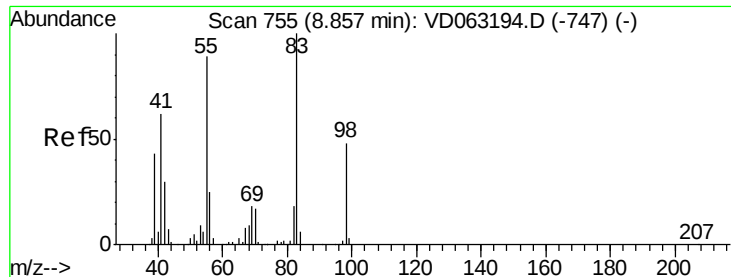
Tot Ion: 43 Resp: 250556
Ion Ratio Lower Upper
43 100
61 14.1 11.3 16.9
70 10.5 5.1 7.7#



#38
Carbon Tetrachloride
Concen: 53.380 ug/l
RT: 7.13 min Scan# 579
Delta R.T. 0.03 min
Lab File: VD063450.D
Acq: 8 Aug 2019 20:35

Tgt Ion: 117 Resp: 997929
Ion Ratio Lower Upper
117 100
119 99.8 78.2 117.2
121 28.7 22.1 33.1

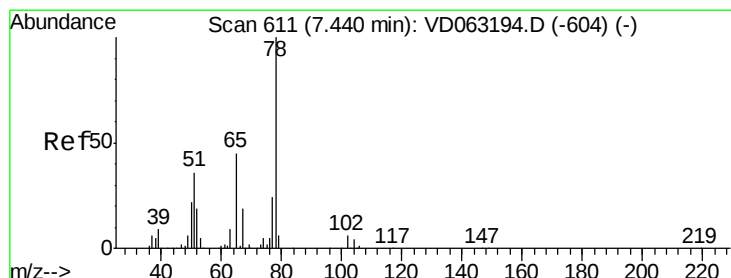
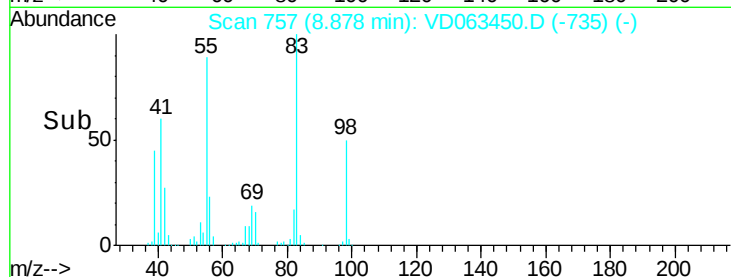
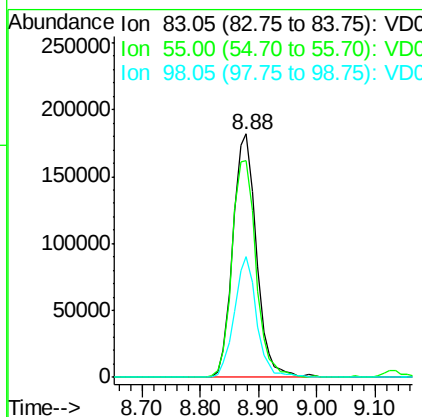
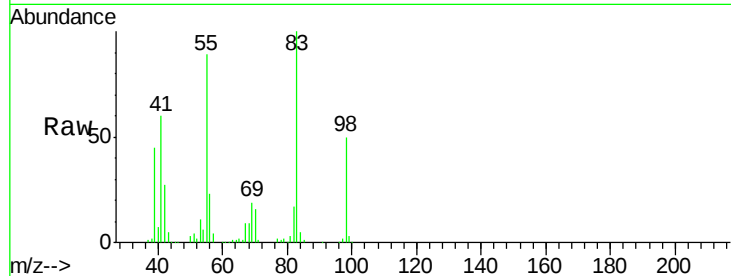




#39
Methvlcvclohexane
Concen: 49.674 ug/l
RT: 8.88 min Scan# 757
Delta R.T. 0.02 min
Lab File: VD063450.D
Acq: 8 Aug 2019 20:35

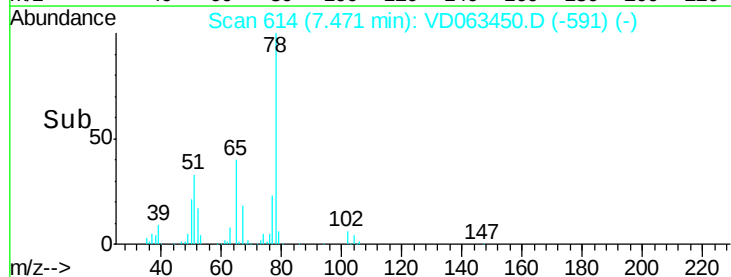
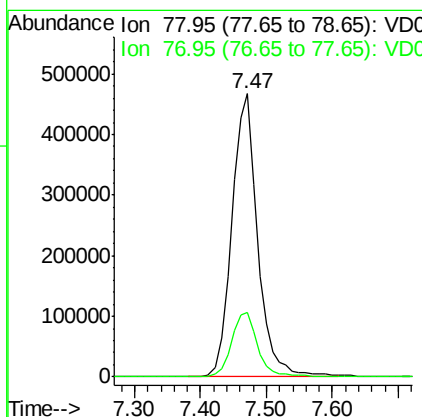
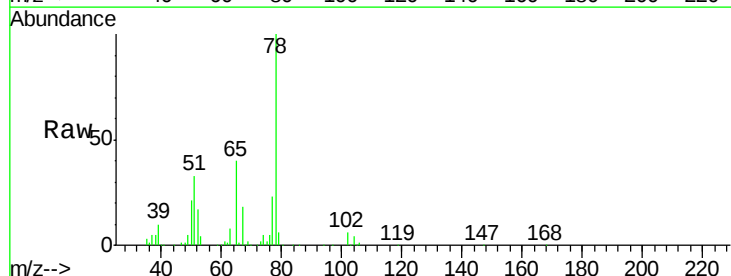
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

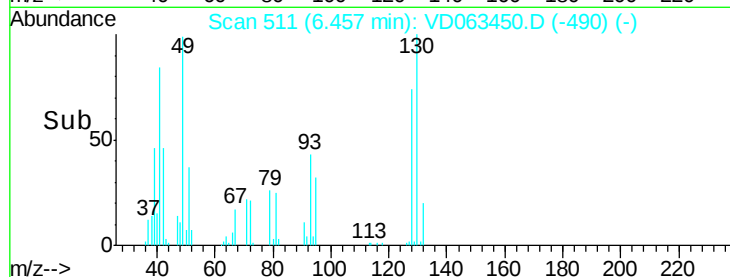
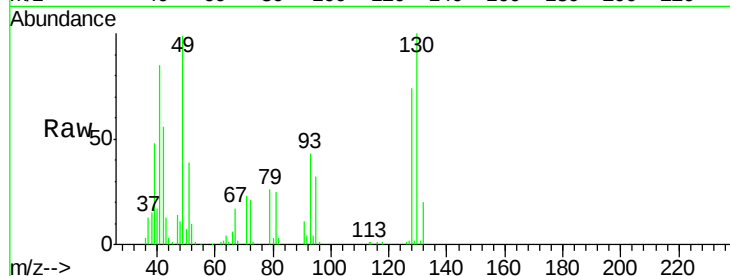
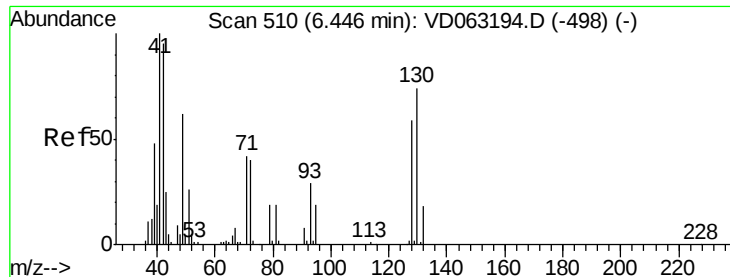
Tot Ion: 83 Resp: 513931
Ion Ratio Lower Upper
83 100
55 88.9 71.1 106.7
98 49.5 38.5 57.7



#40
Benzene
Concen: 49.160 ug/l
RT: 7.47 min Scan# 614
Delta R.T. 0.03 min
Lab File: VD063450.D
Acq: 8 Aug 2019 20:35

Tgt Ion: 78 Resp: 1279417
Ion Ratio Lower Upper
78 100
77 22.9 19.4 29.2

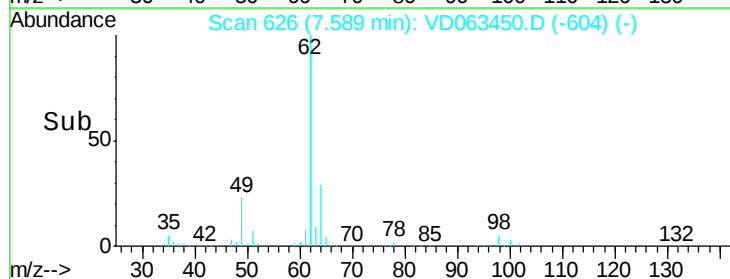
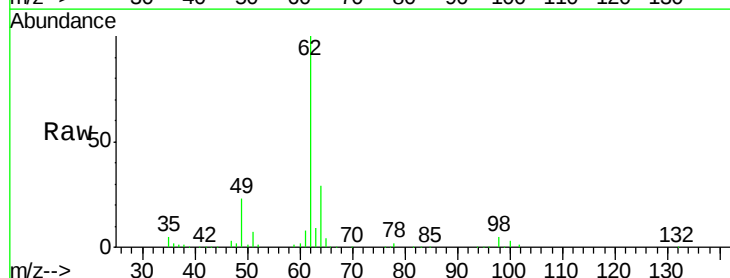
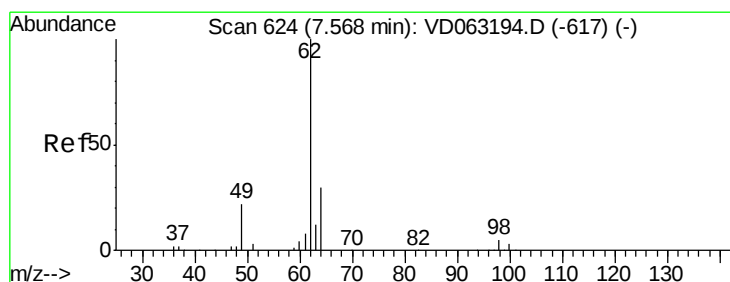
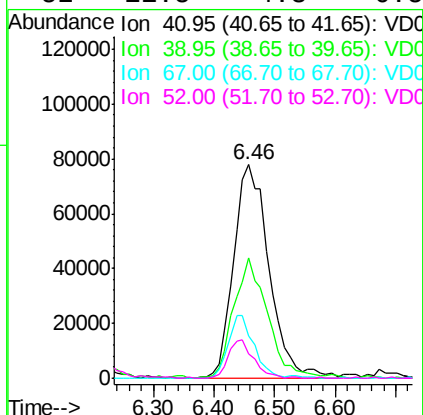




#41
Methacrylonitrile
Concen: 47.599 ug/l
RT: 6.46 min Scan# 511
Delta R.T. 0.01 min
Lab File: VD063450.D
Acq: 8 Aug 2019 20:35

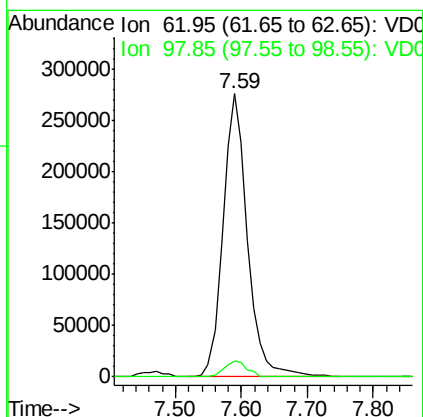
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

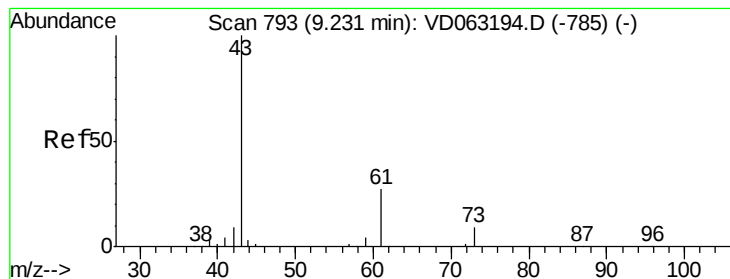
Tot Ion: 41 Resp: 317648
Ion Ratio Lower Upper
41 100
39 56.2 38.4 57.6
67 19.6 6.7 10.1#
52 11.5 4.3 6.5#



#42
1,2-Dichloroethane
Concen: 51.512 ug/l
RT: 7.59 min Scan# 626
Delta R.T. 0.02 min
Lab File: VD063450.D
Acq: 8 Aug 2019 20:35

Tgt Ion: 62 Resp: 710505
Ion Ratio Lower Upper
62 100
98 5.4 0.0 9.8



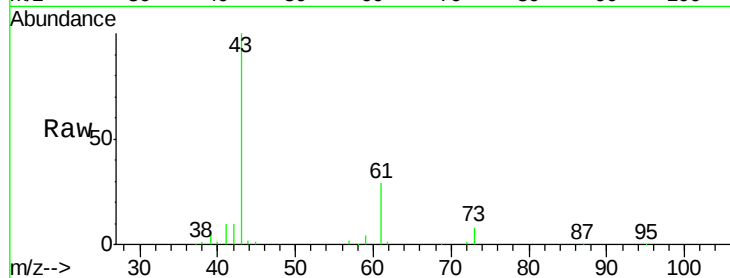


#43

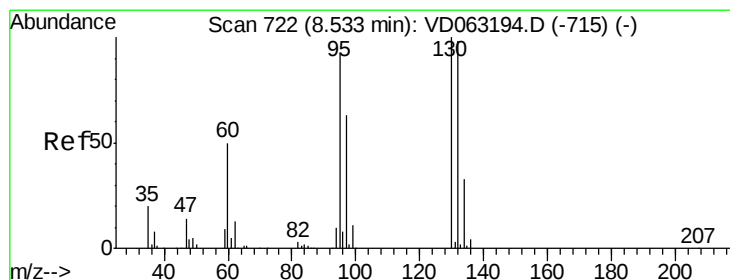
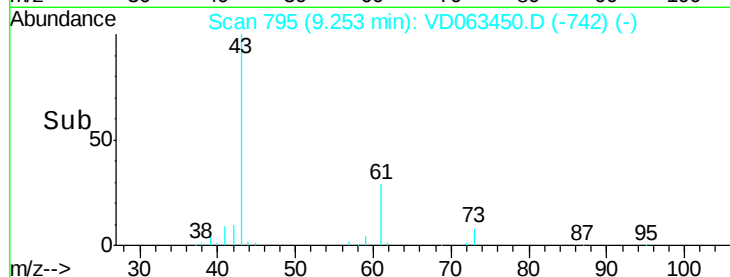
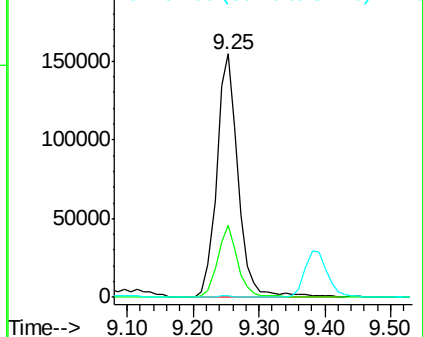
Isopropyl Acetate
 Concen: 48.831 ug/l
 RT: 9.25 min Scan# 795
 Delta R.T. 0.02 min
 Lab File: VD063450.D
 Acq: 8 Aug 2019 20:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 347986
 Ion Ratio Lower Upper
 43 100
 61 29.5 21.4 32.0
 87 0.5 0.2 0.4#



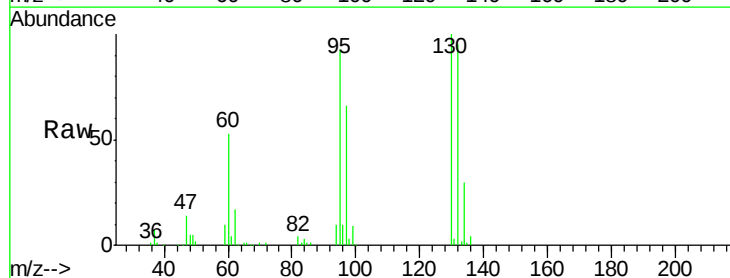
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



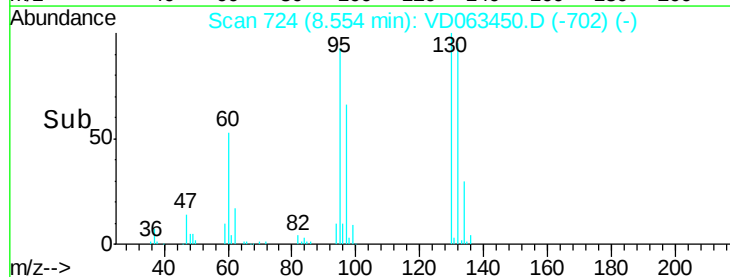
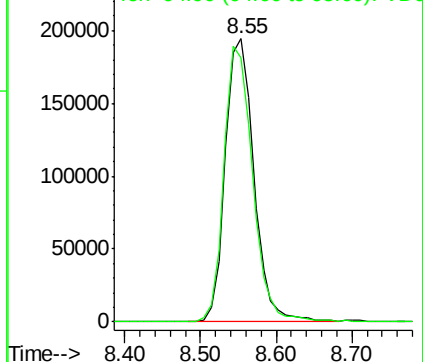
#44

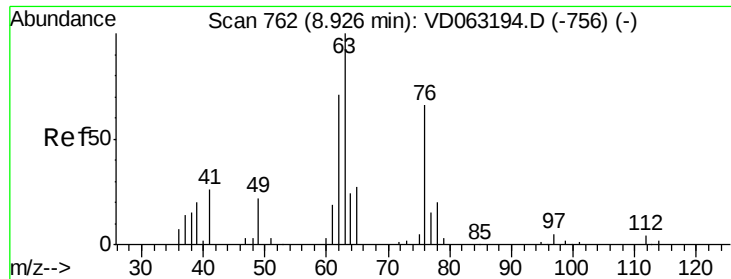
Trichloroethene
 Concen: 48.118 ug/l
 RT: 8.55 min Scan# 724
 Delta R.T. 0.02 min
 Lab File: VD063450.D
 Acq: 8 Aug 2019 20:35

Tgt Ion: 130 Resp: 507450
 Ion Ratio Lower Upper
 130 100
 95 93.4 0.0 185.4



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





#45

1,2-Dichloropropane

Concen: 47.912 ug/l

RT: 8.95 min Scan# 764

Delta R.T. 0.02 min

Lab File: VD063450.D

Acq: 8 Aug 2019 20:35

Instrument :

MSVOA_D

ClientSampleId :

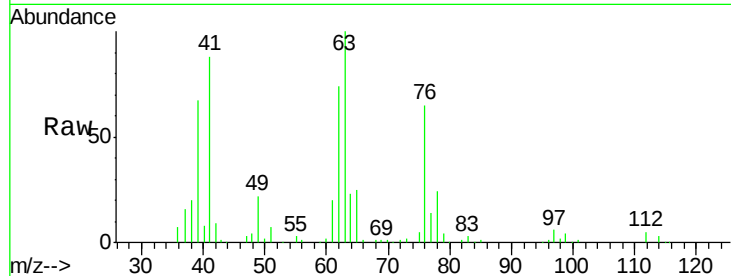
VSTDCCC050EC

Tot Ion: 63 Resp: 316938

Ion Ratio Lower Upper

63 100

65 25.4 23.6 35.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.95

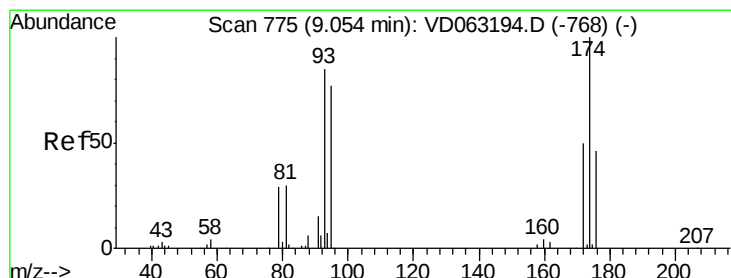
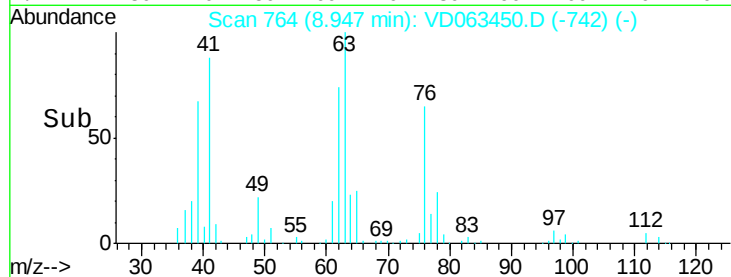
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 49.779 ug/l

RT: 9.08 min Scan# 777

Delta R.T. 0.02 min

Lab File: VD063450.D

Acq: 8 Aug 2019 20:35

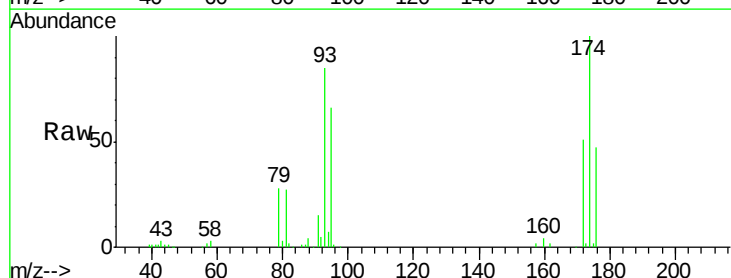
Tgt Ion: 93 Resp: 273799

Ion Ratio Lower Upper

93 100

95 77.6 72.8 109.2

174 117.7 94.4 141.6



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

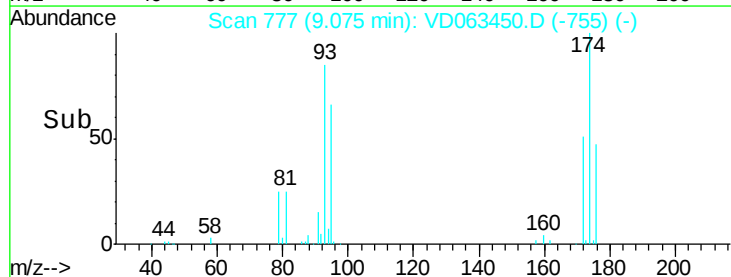
150000

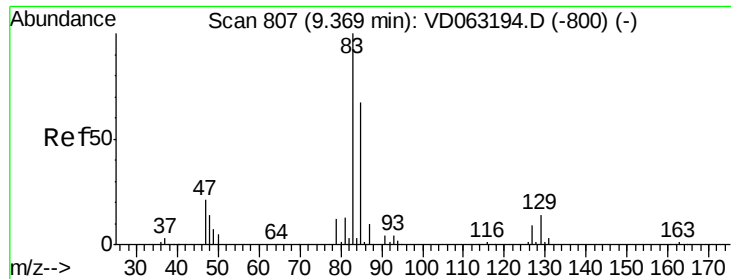
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 48.931 ug/l

RT: 9.38 min Scan# 808

Delta R.T. 0.01 min

Lab File: VD063450.D

Acq: 8 Aug 2019 20:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

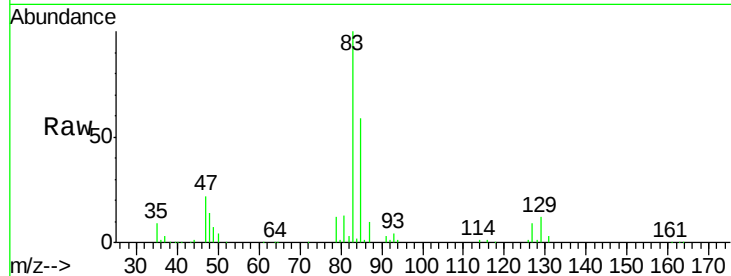
Tot Ion: 83 Resp: 686048

Ion Ratio Lower Upper

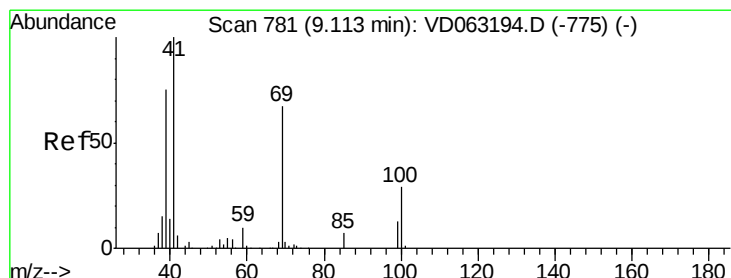
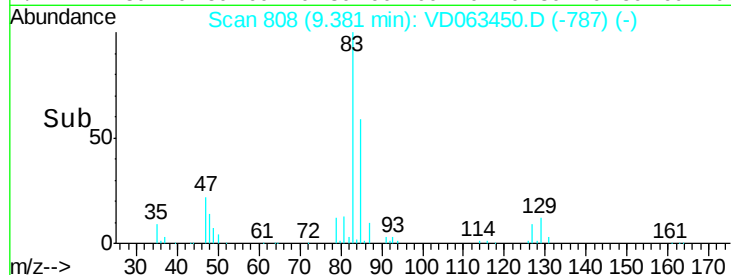
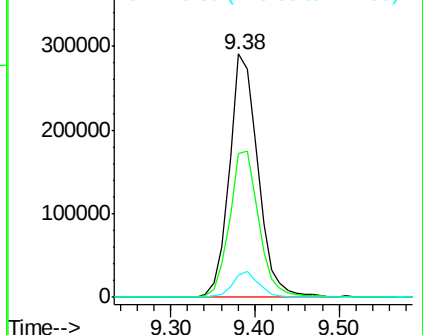
83 100

85 59.1 53.6 80.4

127 9.0 7.2 10.8



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



#48

Methyl methacrylate

Concen: 47.924 ug/l

RT: 9.13 min Scan# 783

Delta R.T. 0.02 min

Lab File: VD063450.D

Acq: 8 Aug 2019 20:35

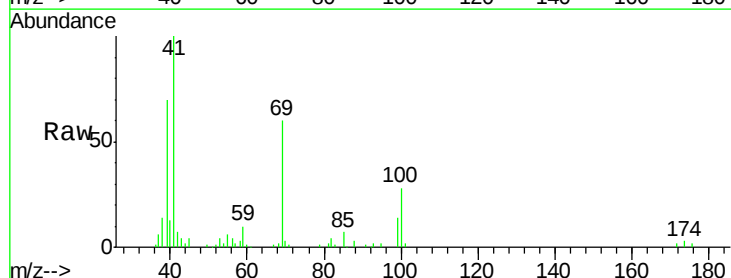
Tgt Ion: 41 Resp: 221498

Ion Ratio Lower Upper

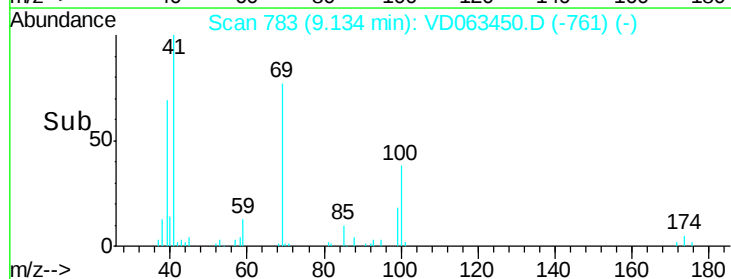
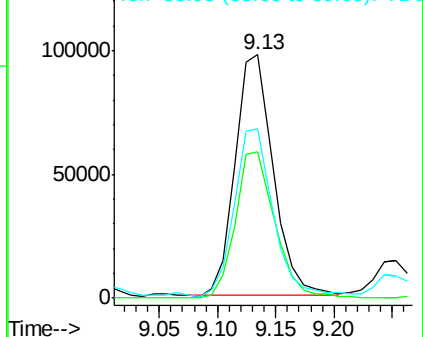
41 100

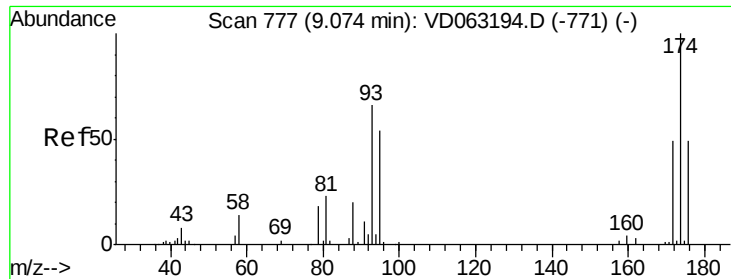
69 60.0 53.4 80.0

39 69.8 60.3 90.5



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

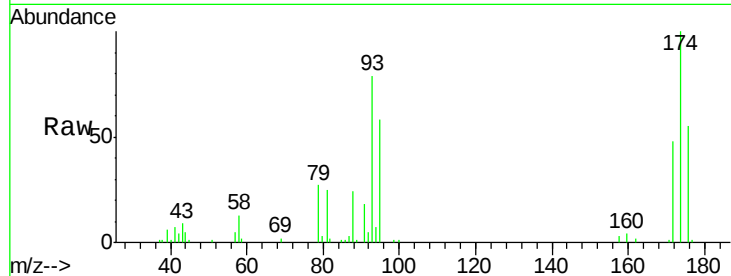




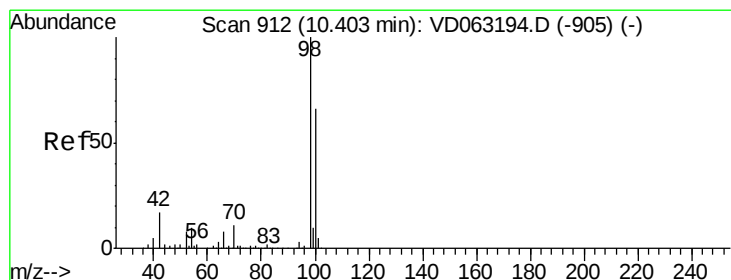
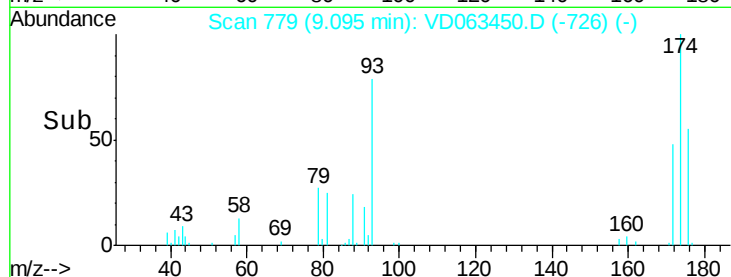
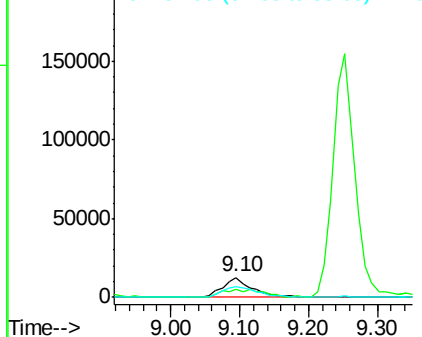
#49
 1,4-Dioxane
 Concen: 944.508 ug/l
 RT: 9.10 min Scan# 779
 Delta R.T. 0.02 min
 Lab File: VD063450.D
 Acq: 8 Aug 2019 20:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 88 Resp: 36989
 Ion Ratio Lower Upper
 88 100
 43 38.3 30.7 46.1
 58 53.4 56.5 84.7#

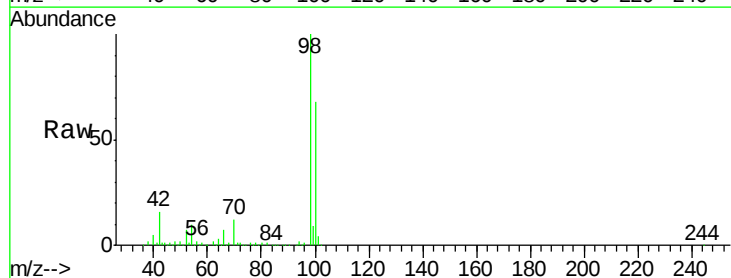


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

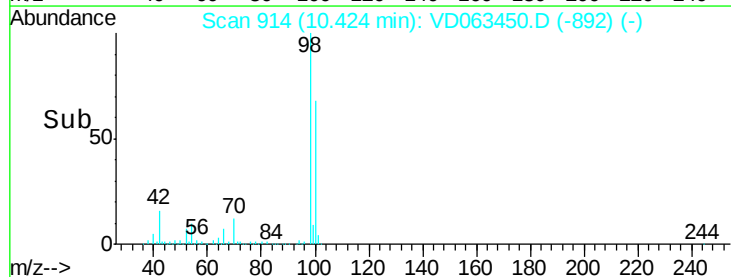
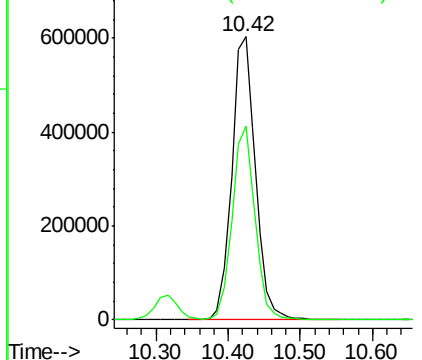


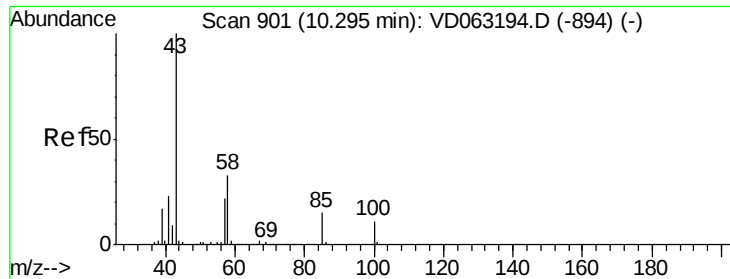
#50
 Toluene-d8
 Concen: 52.937 ug/l
 RT: 10.42 min Scan# 914
 Delta R.T. 0.02 min
 Lab File: VD063450.D
 Acq: 8 Aug 2019 20:35

Tgt Ion: 98 Resp: 1376339
 Ion Ratio Lower Upper
 98 100
 100 68.3 53.2 79.8



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

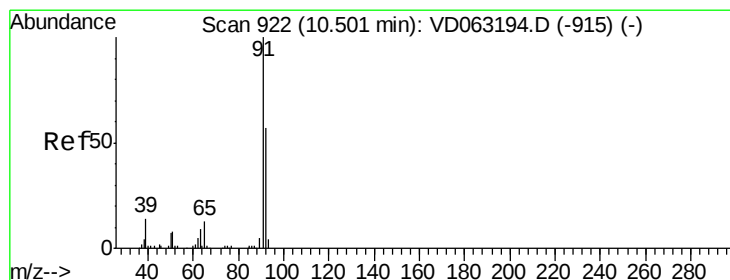
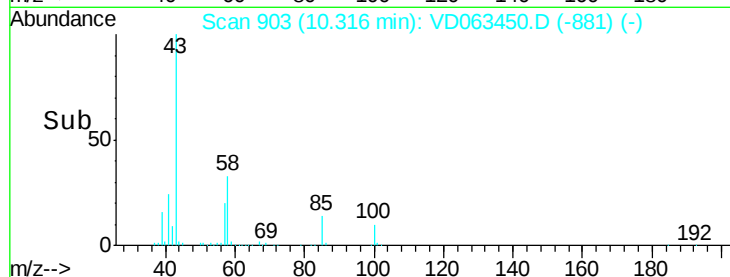
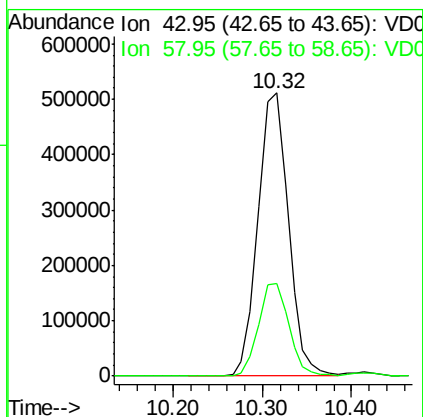
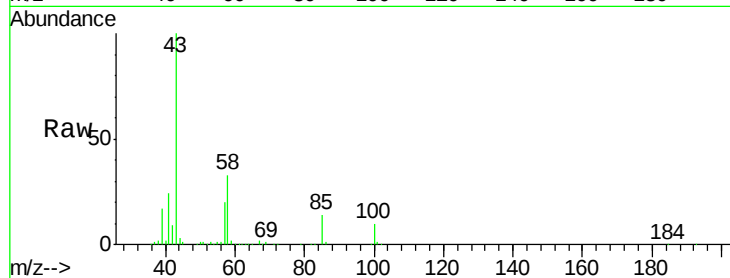




#51
 4-Methyl-2-Pentanone
 Concen: 249.446 ug/l
 RT: 10.32 min Scan# 903
 Delta R.T. 0.02 min
 Lab File: VD063450.D
 Acq: 8 Aug 2019 20:35

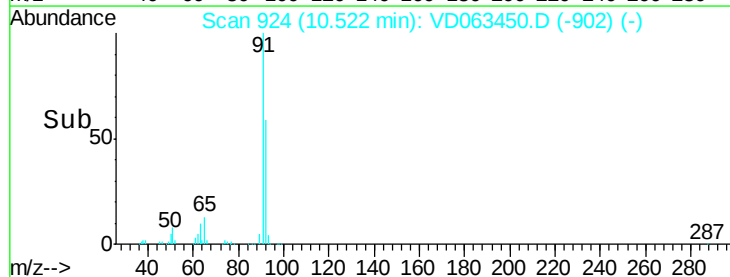
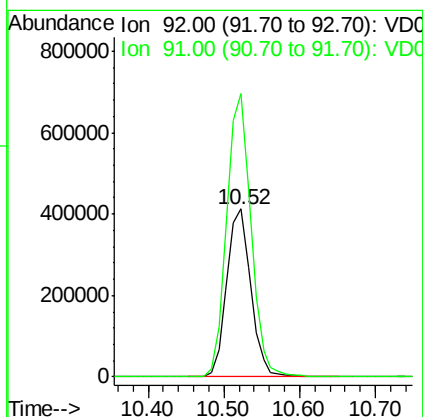
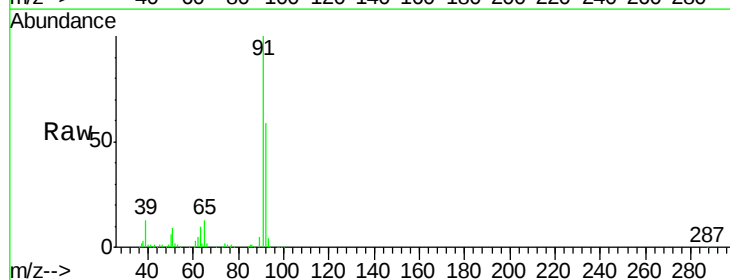
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

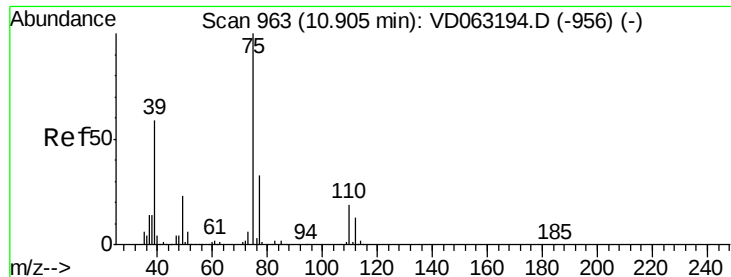
Tot Ion: 43 Resp: 1208951
 Ion Ratio Lower Upper
 43 100
 58 32.9 26.2 39.2



#52
 Toluene
 Concen: 52.481 ug/l
 RT: 10.52 min Scan# 924
 Delta R.T. 0.02 min
 Lab File: VD063450.D
 Acq: 8 Aug 2019 20:35

Tgt Ion: 92 Resp: 908436
 Ion Ratio Lower Upper
 92 100
 91 168.8 140.8 211.2





#53

t-1,3-Dichloropropene

Concen: 48.279 ug/l

RT: 10.92 min Scan# 964

Delta R.T. 0.01 min

Lab File: VD063450.D

Acq: 8 Aug 2019 20:35

Instrument :

MSVOA_D

ClientSampleId :

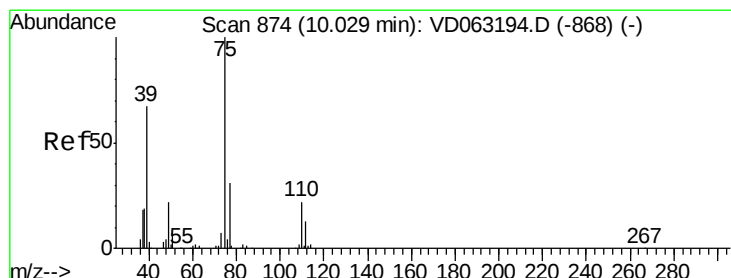
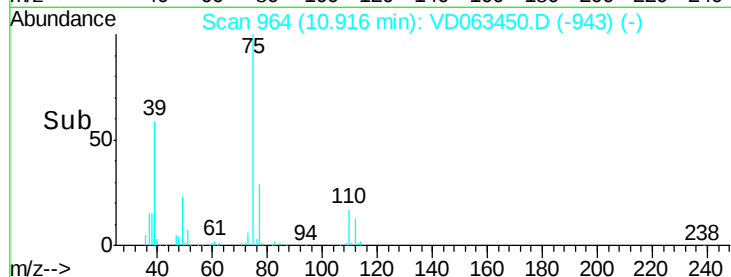
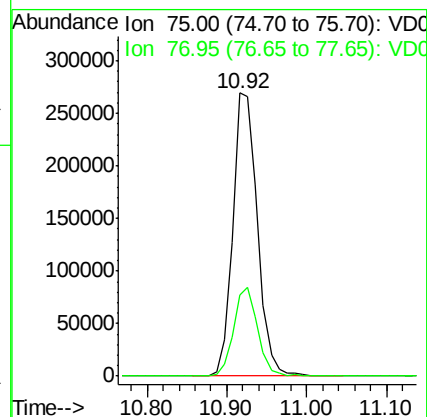
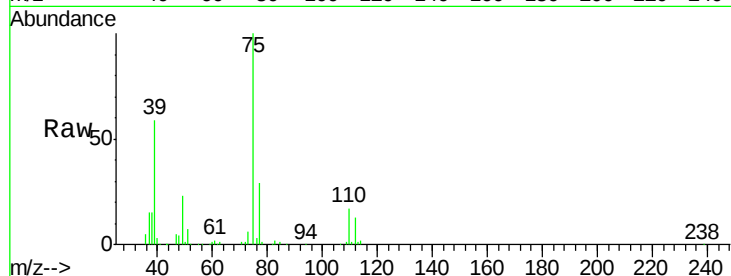
VSTDCCC050EC

Tot Ion: 75 Resp: 583585

Ion Ratio Lower Upper

75 100

77 28.8 26.6 40.0



#54

cis-1,3-Dichloropropene

Concen: 47.832 ug/l

RT: 10.05 min Scan# 876

Delta R.T. 0.02 min

Lab File: VD063450.D

Acq: 8 Aug 2019 20:35

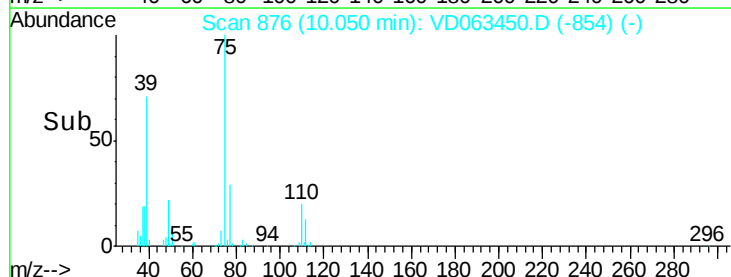
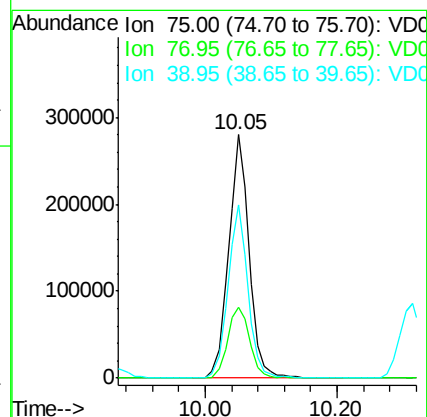
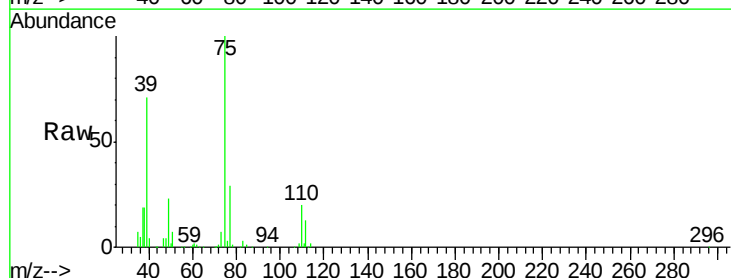
Tgt Ion: 75 Resp: 607653

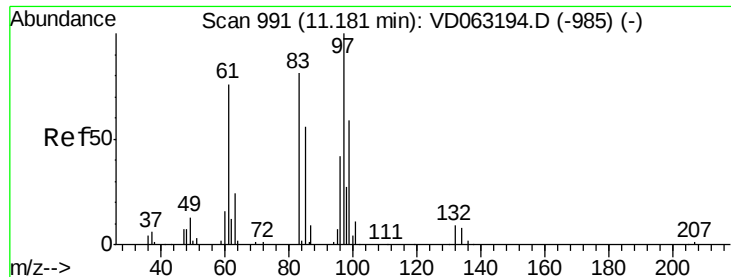
Ion Ratio Lower Upper

75 100

77 29.2 24.9 37.3

39 71.3 53.9 80.9

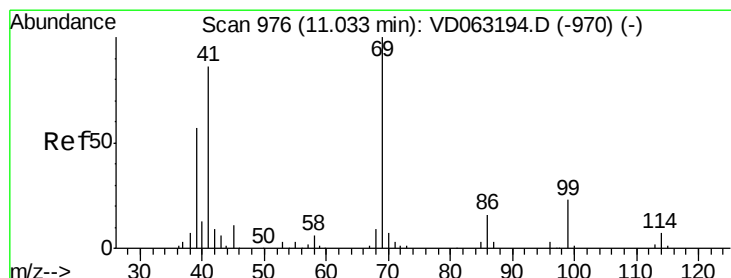
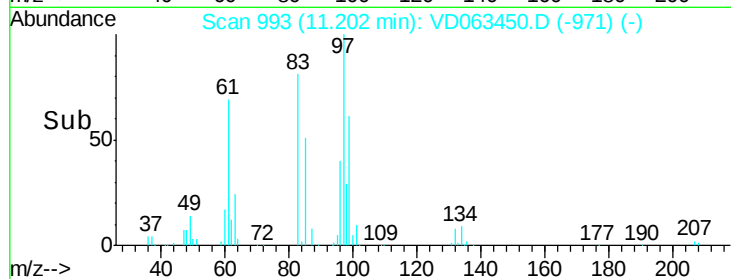
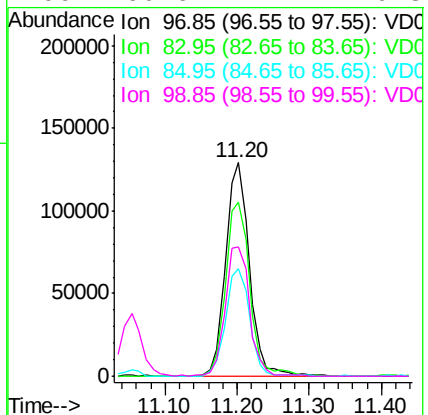
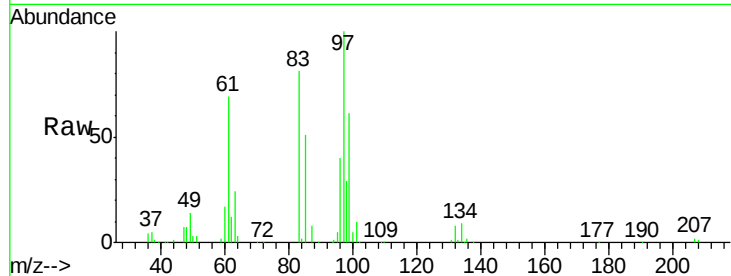




#55
 1,1,2-Trichloroethane
 Concen: 50.636 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. 0.02 min
 Lab File: VD063450.D
 Acq: 8 Aug 2019 20:35

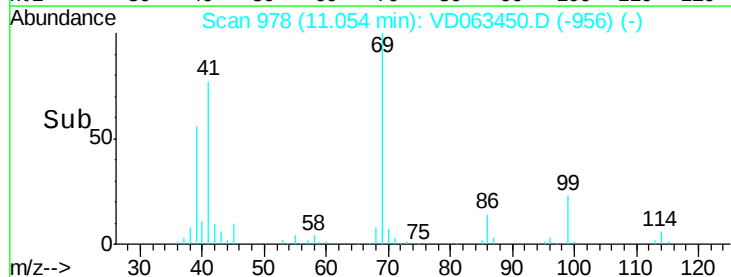
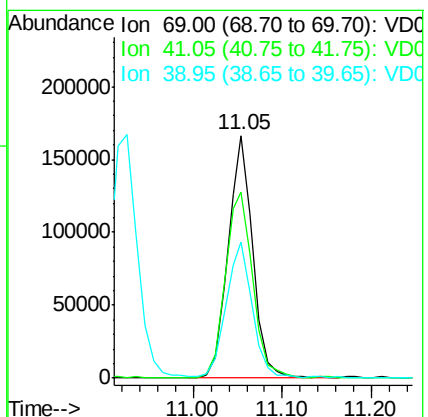
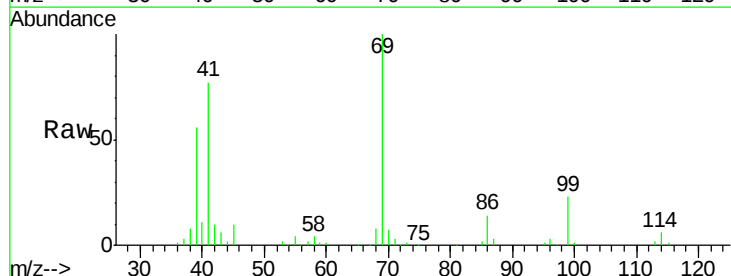
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

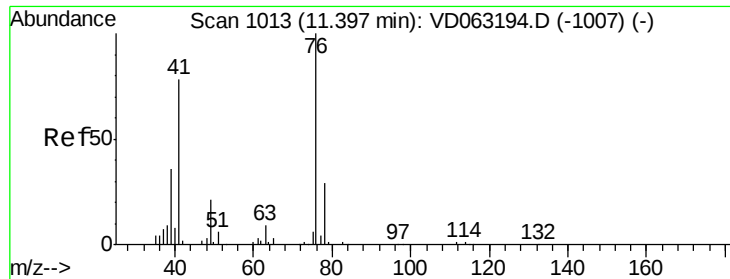
Tot Ion:	97	Resp:	296019
Ion	Ratio	Lower	Upper
97	100		
83	81.4	64.8	97.2
85	50.6	44.9	67.3
99	60.6	47.2	70.8



#56
 Ethyl methacrylate
 Concen: 50.398 ug/l
 RT: 11.05 min Scan# 978
 Delta R.T. 0.02 min
 Lab File: VD063450.D
 Acq: 8 Aug 2019 20:35

Tgt Ion:	69	Resp:	322626
Ion	Ratio	Lower	Upper
69	100		
41	76.8	68.8	103.2
39	56.1	45.8	68.8

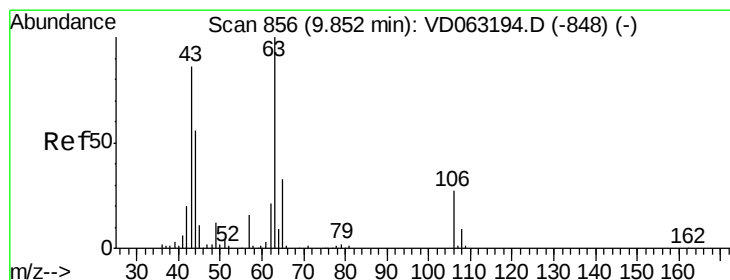
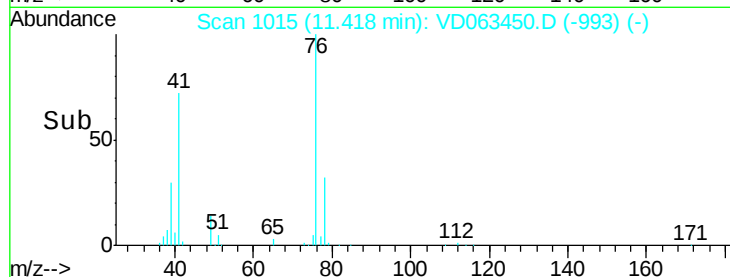
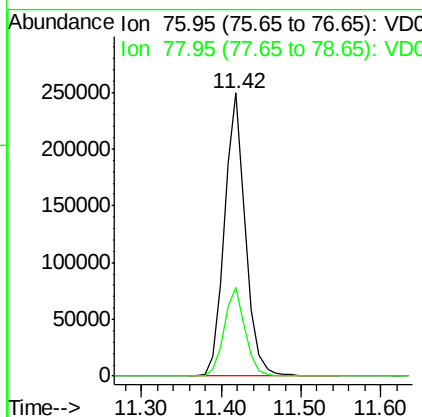
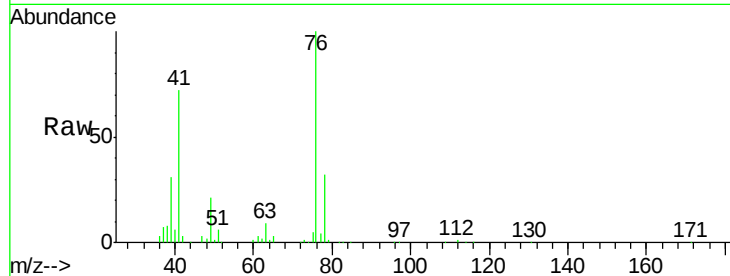




#57
 1,3-Dichloropropane
 Concen: 50.015 ug/l
 RT: 11.42 min Scan# 1015
 Delta R.T. 0.02 min
 Lab File: VD063450.D
 Acq: 8 Aug 2019 20:35

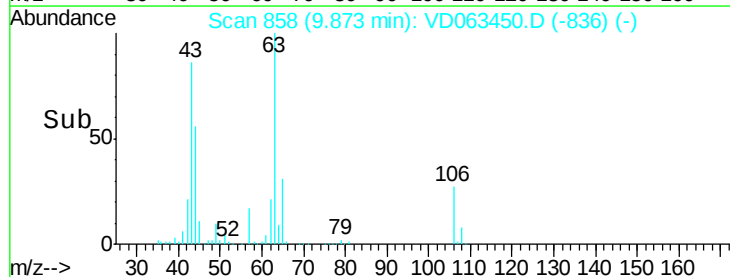
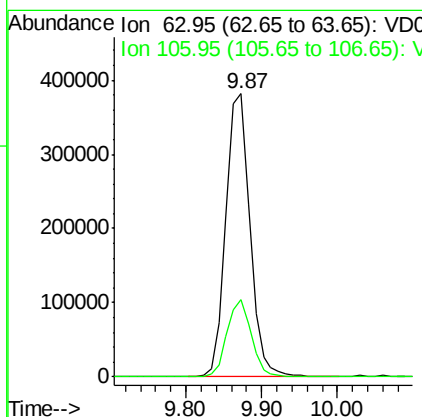
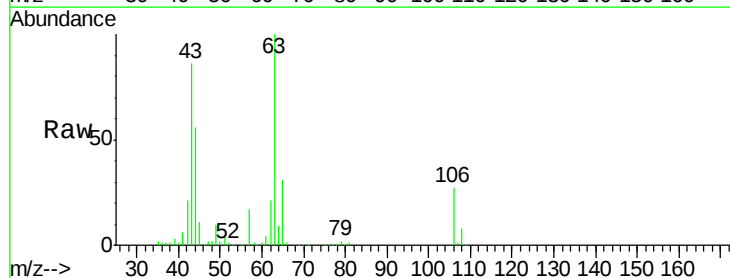
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

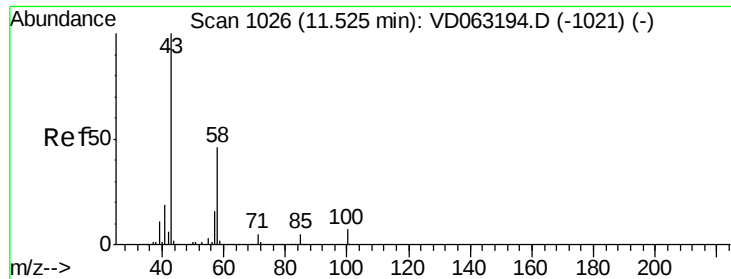
Tot Ion: 76 Resp: 460684
 Ion Ratio Lower Upper
 76 100
 78 31.6 23.4 35.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 253.055 ug/l
 RT: 9.87 min Scan# 858
 Delta R.T. 0.02 min
 Lab File: VD063450.D
 Acq: 8 Aug 2019 20:35

Tgt Ion: 63 Resp: 842925
 Ion Ratio Lower Upper
 63 100
 106 27.2 22.0 33.0

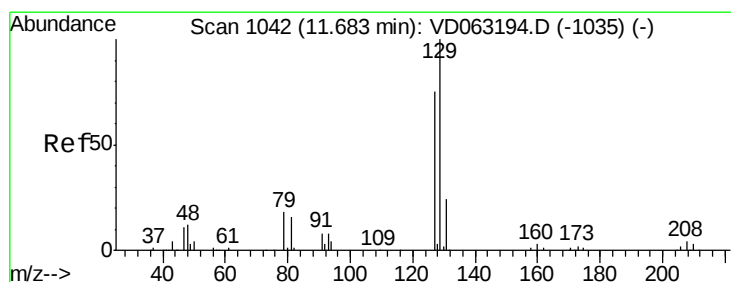
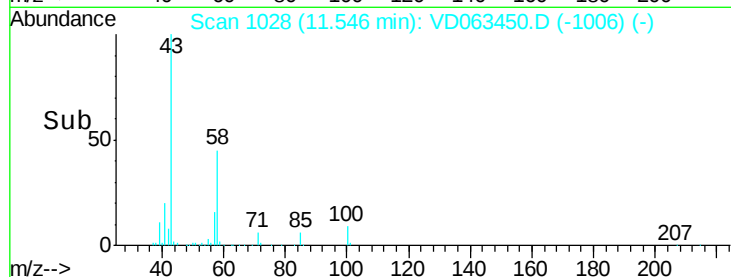
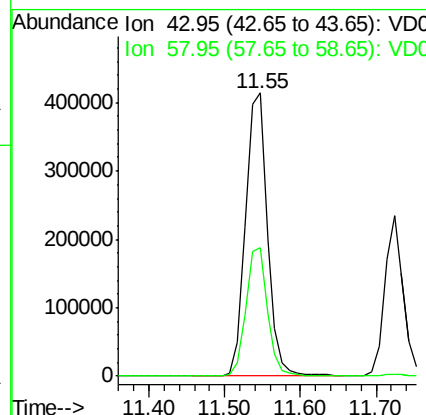
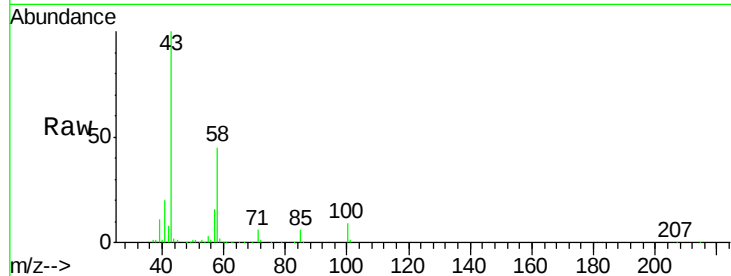




#59
2-Hexanone
Concen: 236.496 ug/l
RT: 11.55 min Scan# 1028
Delta R.T. 0.02 min
Lab File: VD063450.D
Acq: 8 Aug 2019 20:35

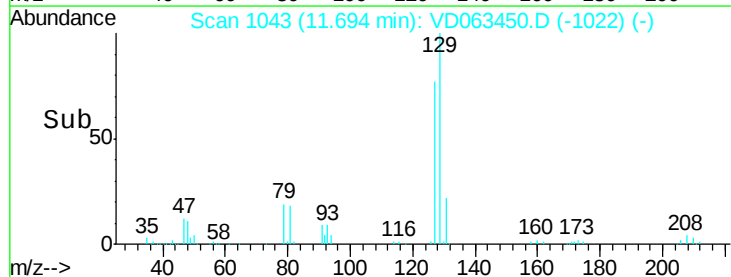
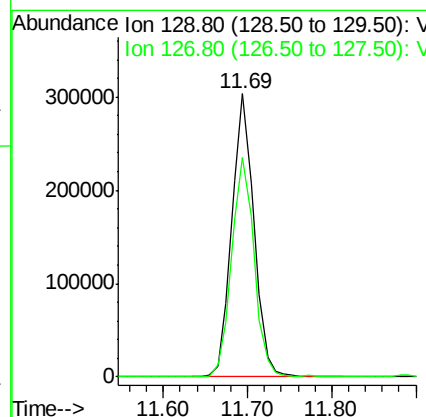
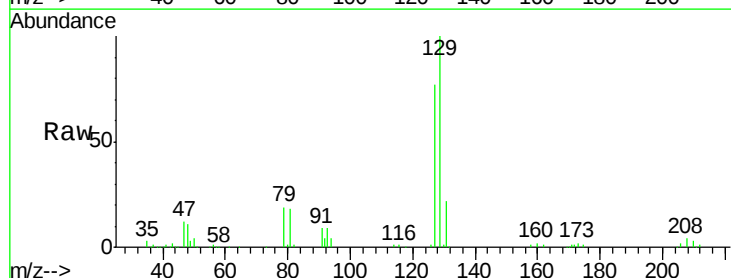
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 825990
Ion Ratio Lower Upper
43 100
58 45.4 22.9 68.5



#60
Dibromochloromethane
Concen: 50.289 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.01 min
Lab File: VD063450.D
Acq: 8 Aug 2019 20:35

Tgt Ion: 129 Resp: 555012
Ion Ratio Lower Upper
129 100
127 77.4 37.6 112.8

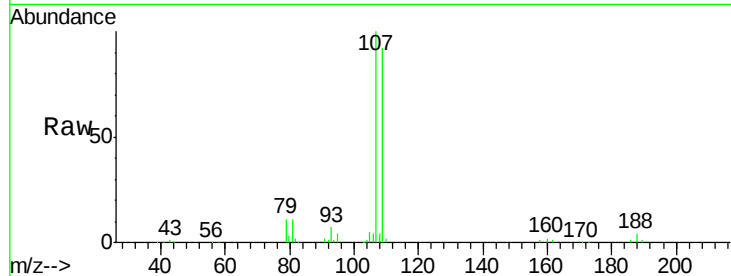




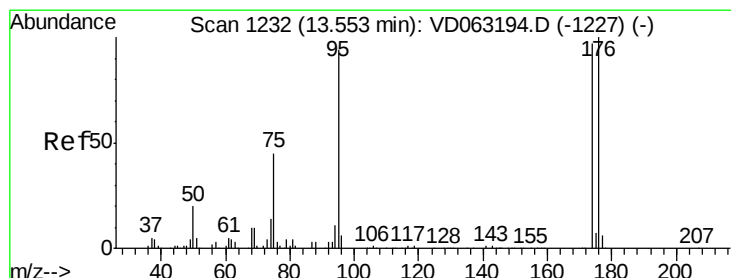
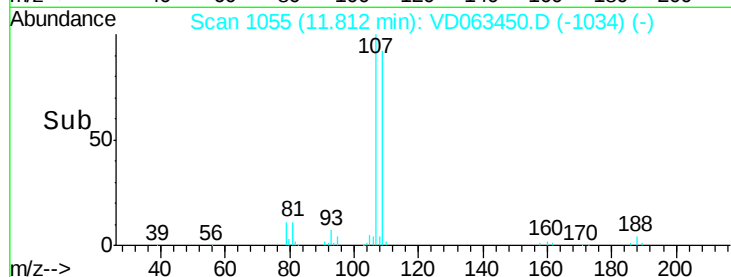
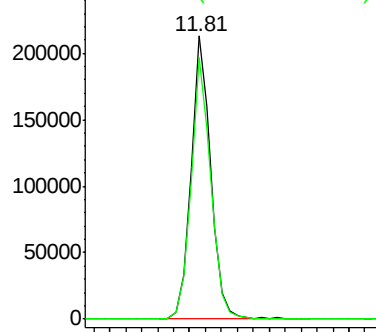
#61
 1,2-Dibromoethane
 Concen: 51.425 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. 0.01 min
 Lab File: VD063450.D
 Acq: 8 Aug 2019 20:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:107 Resp: 370961
 Ion Ratio Lower Upper
 107 100
 109 92.3 77.5 116.3

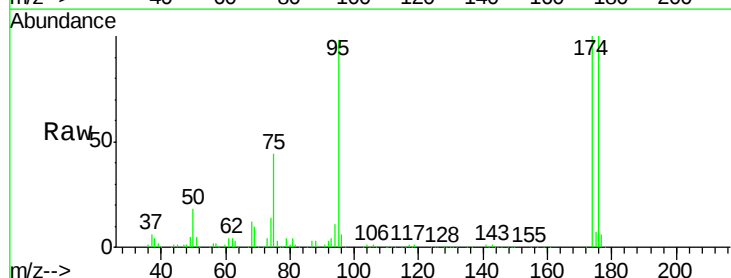


Abundance Ion 106.90 (106.60 to 107.60): V
 Ion 108.90 (108.60 to 109.60): V

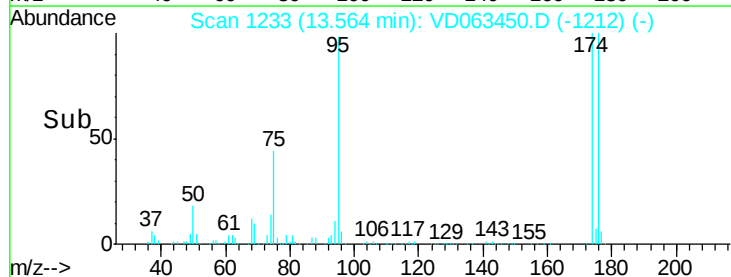
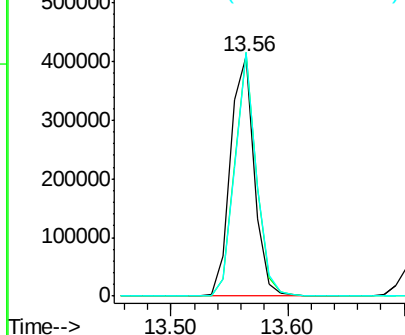


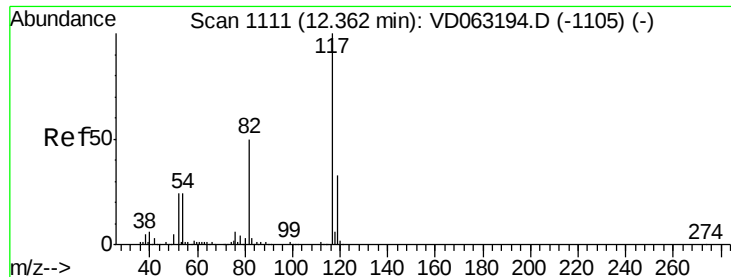
#62
 4-Bromofluorobenzene
 Concen: 48.664 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD063450.D
 Acq: 8 Aug 2019 20:35

Tgt Ion: 95 Resp: 576566
 Ion Ratio Lower Upper
 95 100
 174 101.7 0.0 205.4
 176 101.5 0.0 211.8



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

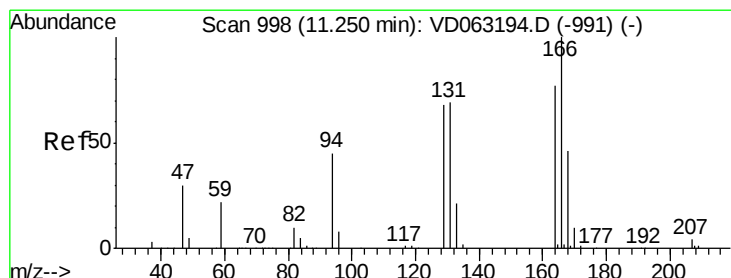
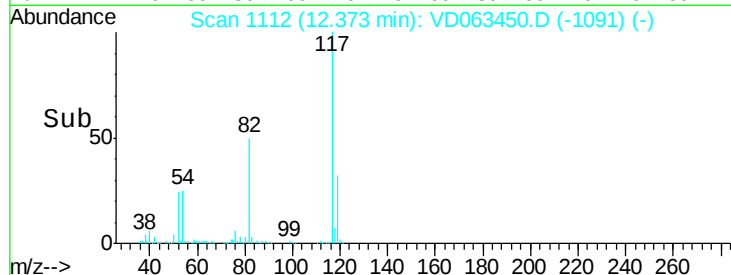
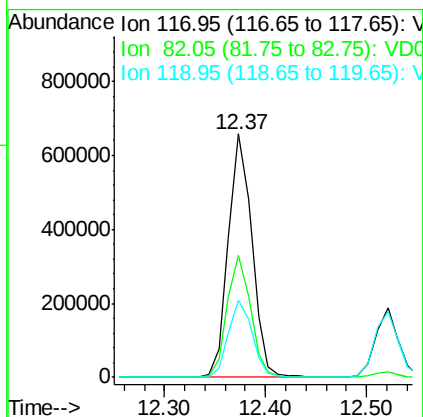
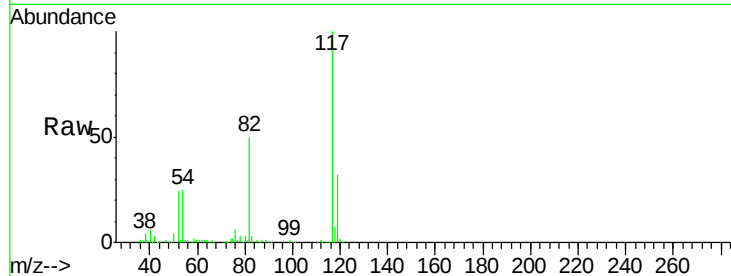




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD063450.D
Acq: 8 Aug 2019 20:35

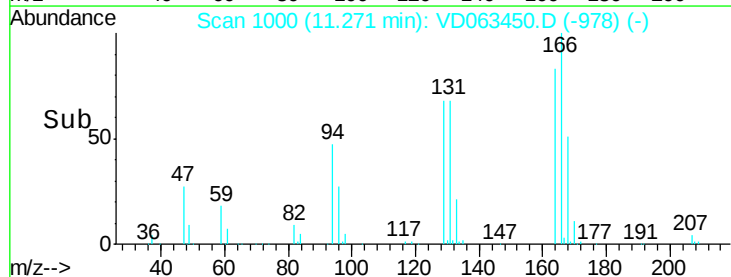
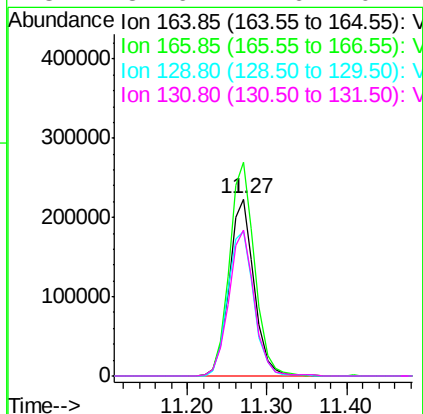
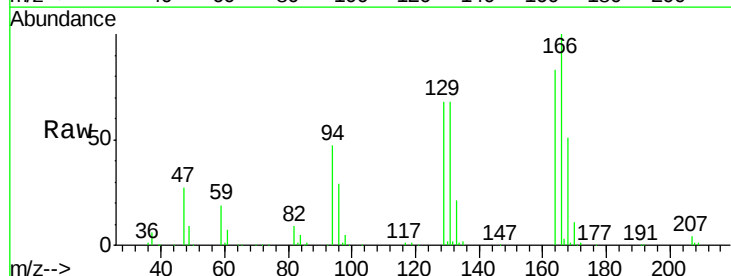
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

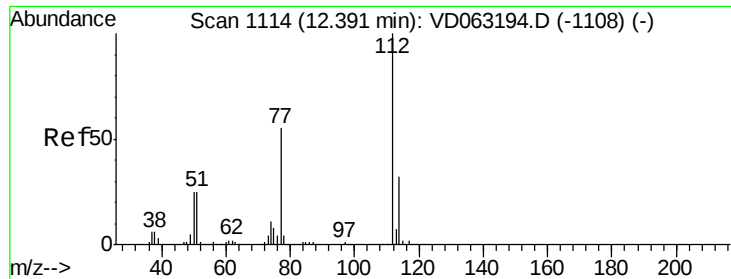
Tot Ion:117 Resp: 1072567
Ion Ratio Lower Upper
117 100
82 50.0 40.1 60.1
119 31.9 26.5 39.7



#64
Tetrachloroethene
Concen: 56.914 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. 0.02 min
Lab File: VD063450.D
Acq: 8 Aug 2019 20:35

Tgt Ion:164 Resp: 486319
Ion Ratio Lower Upper
164 100
166 120.7 104.3 156.5
129 81.9 70.9 106.3
131 82.6 71.6 107.4

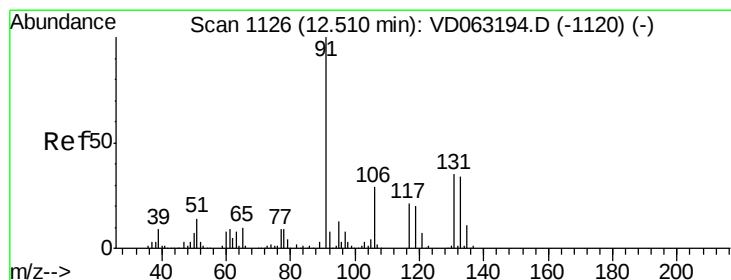
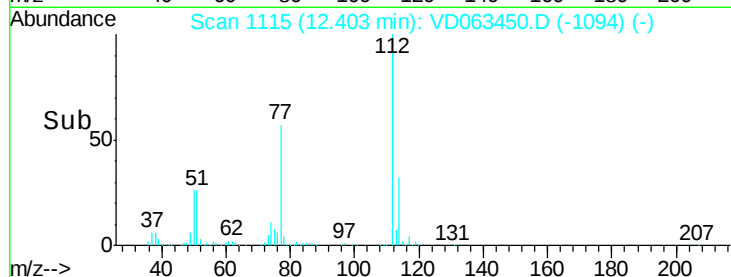
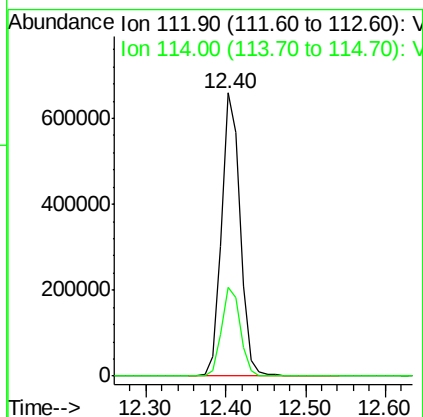
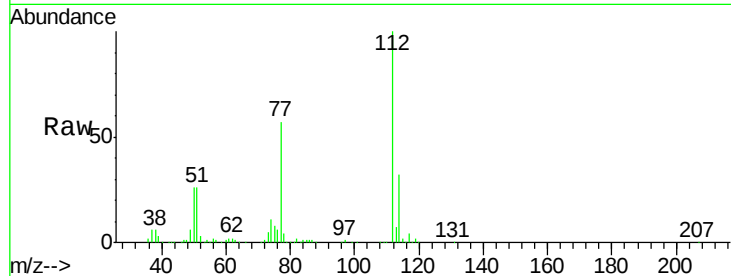




#65
Chlorobenzene
Concen: 52.985 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.01 min
Lab File: VD063450.D
Acq: 8 Aug 2019 20:35

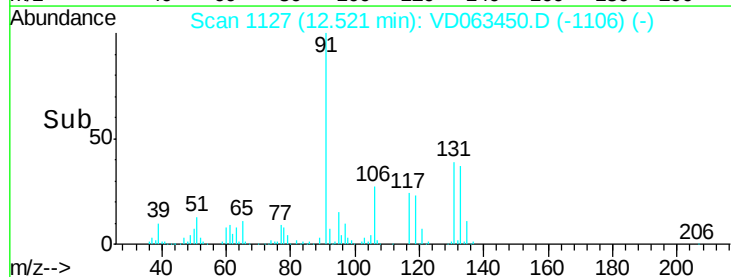
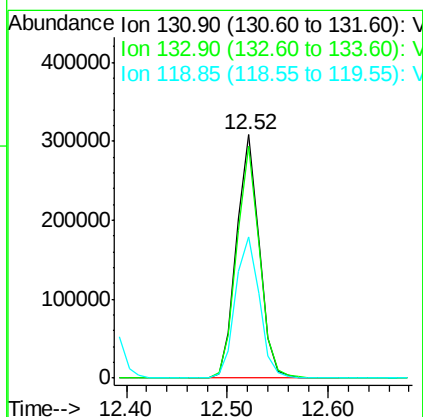
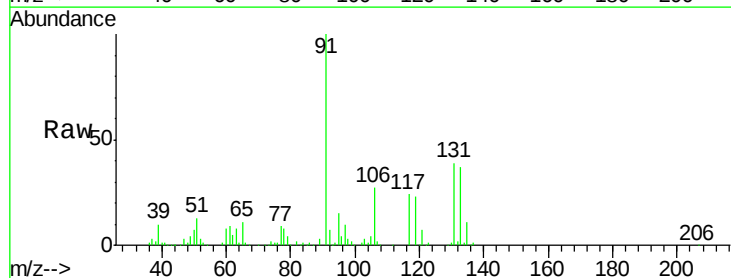
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

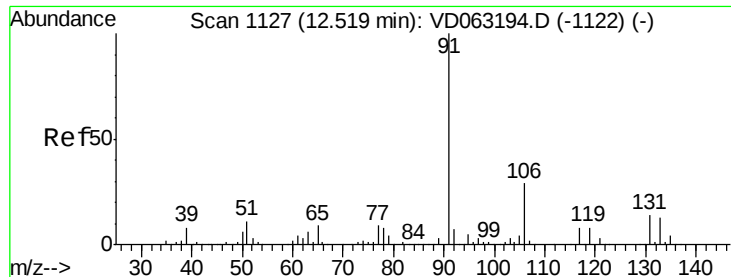
Tot Ion:112 Resp: 1093094
Ion Ratio Lower Upper
112 100
114 31.6 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 52.969 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD063450.D
Acq: 8 Aug 2019 20:35

Tgt Ion:131 Resp: 481348
Ion Ratio Lower Upper
131 100
133 95.3 48.4 145.2
119 57.9 29.1 87.3

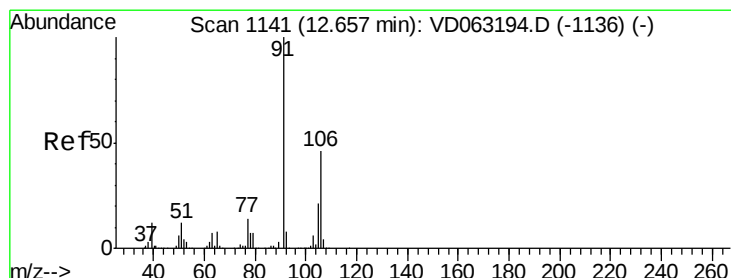
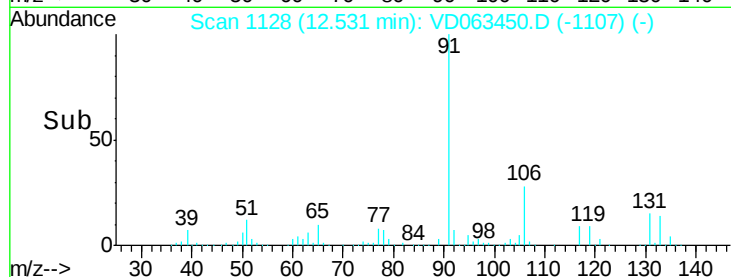
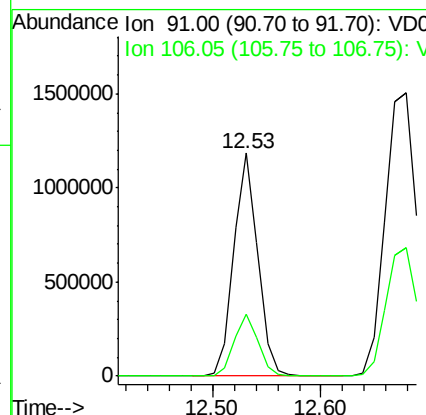
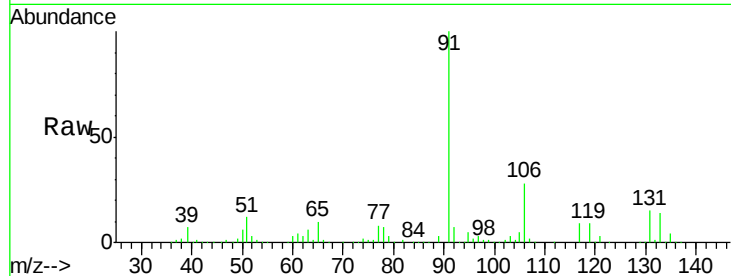




#67
Ethyl Benzene
Concen: 52.324 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD063450.D
Acq: 8 Aug 2019 20:35

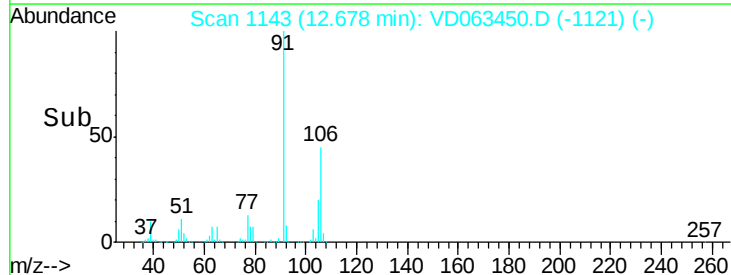
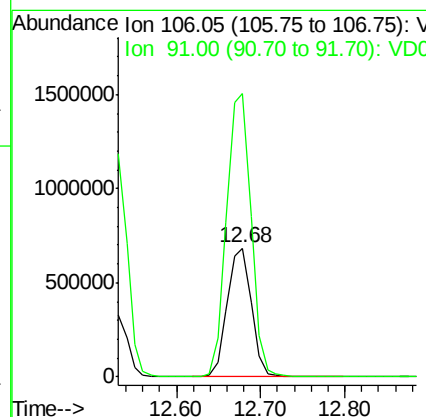
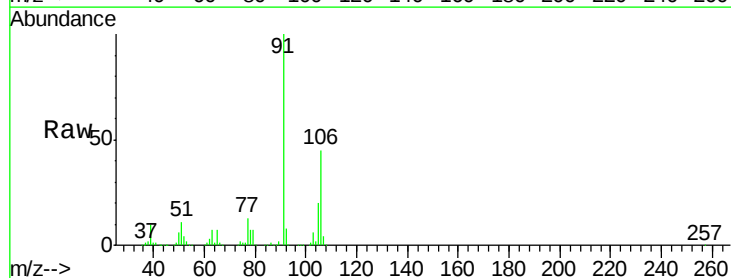
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

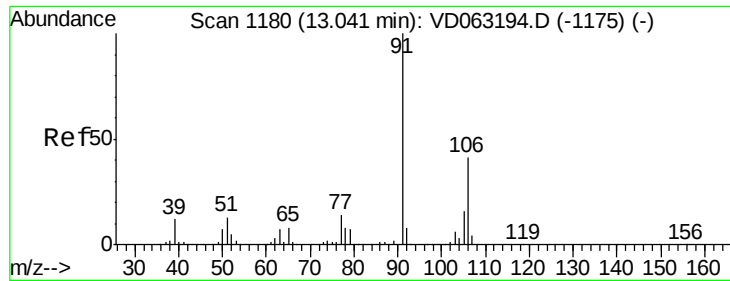
Tot Ion: 91 Resp: 1833749
Ion Ratio Lower Upper
91 100
106 28.0 22.9 34.3



#68
m/p-Xylenes
Concen: 105.769 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. 0.02 min
Lab File: VD063450.D
Acq: 8 Aug 2019 20:35

Tgt Ion: 106 Resp: 1359400
Ion Ratio Lower Upper
106 100
91 220.2 172.6 259.0

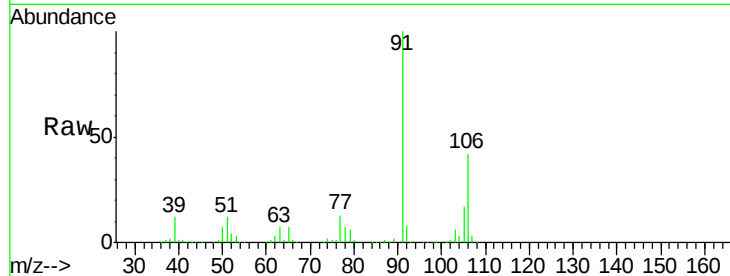




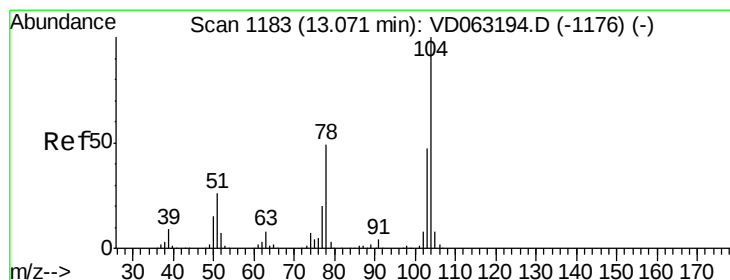
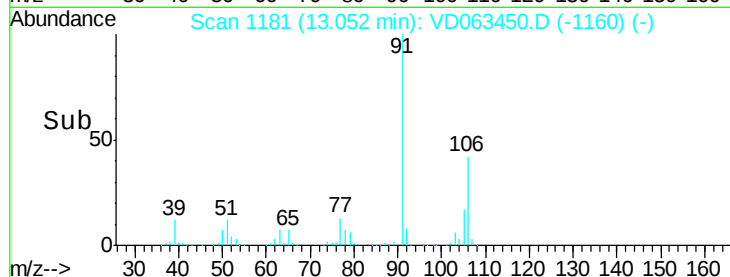
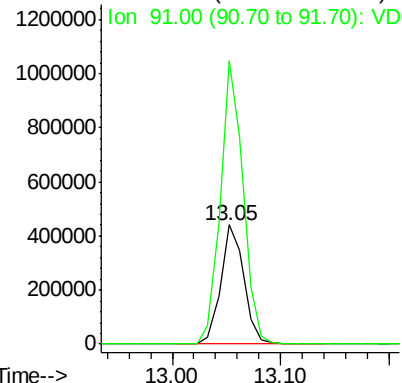
#69
o-Xylene
Concen: 55.255 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VD063450.D
Acq: 8 Aug 2019 20:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 652145
Ion Ratio Lower Upper
106 100
91 237.9 121.3 363.9

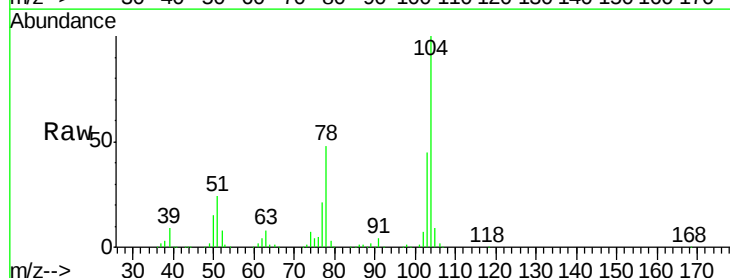


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

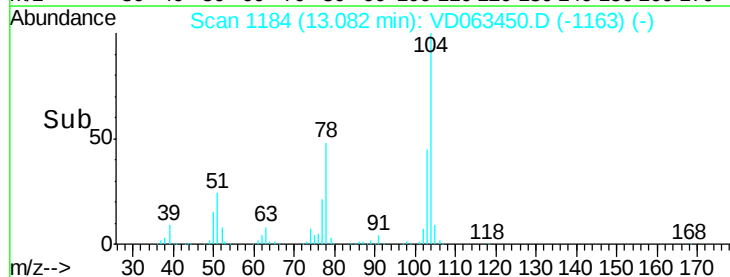
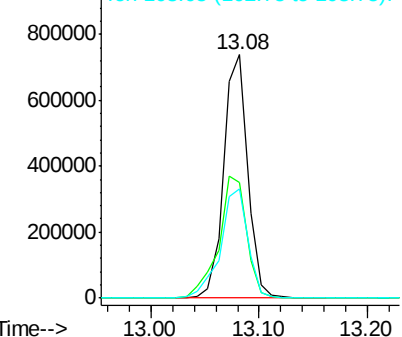


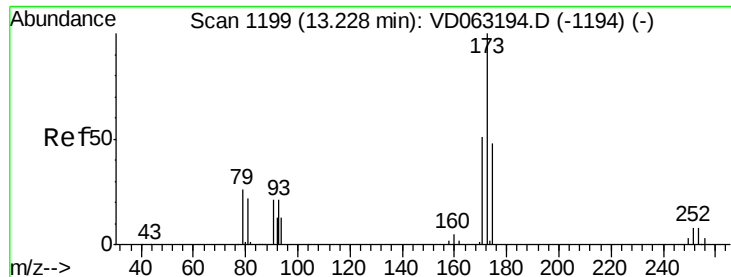
#70
Styrene
Concen: 54.291 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD063450.D
Acq: 8 Aug 2019 20:35

Tgt Ion:104 Resp: 1136366
Ion Ratio Lower Upper
104 100
78 47.7 39.4 59.0
103 45.0 37.4 56.2



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

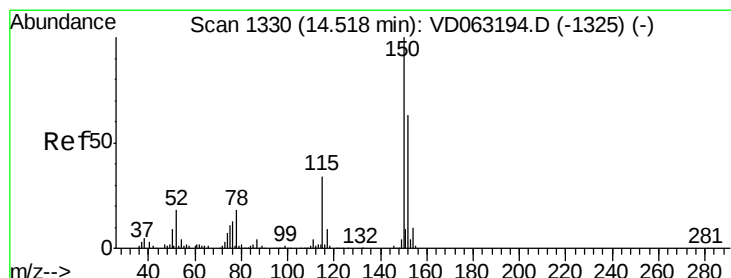
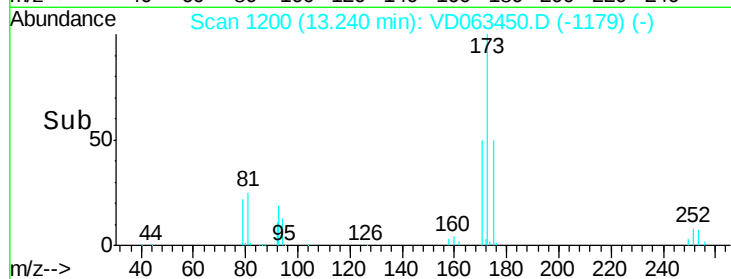
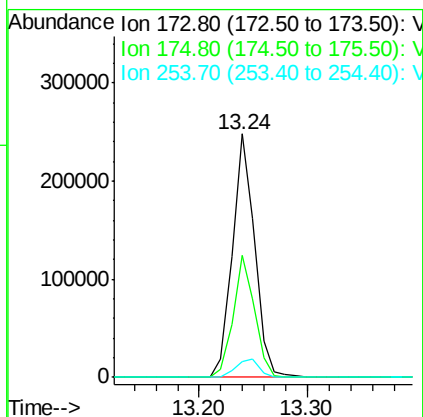
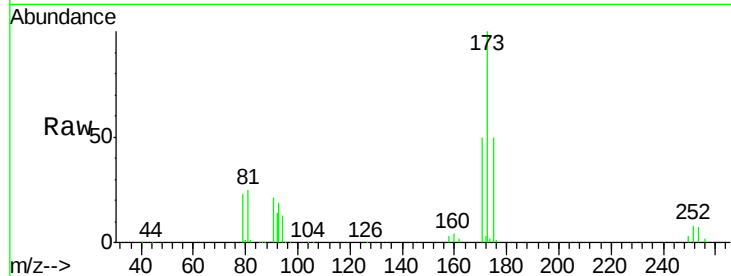




#71
Bromoform
Concen: 53.673 ug/l
RT: 13.24 min Scan# 1200
Delta R.T. 0.01 min
Lab File: VD063450.D
Acq: 8 Aug 2019 20:35

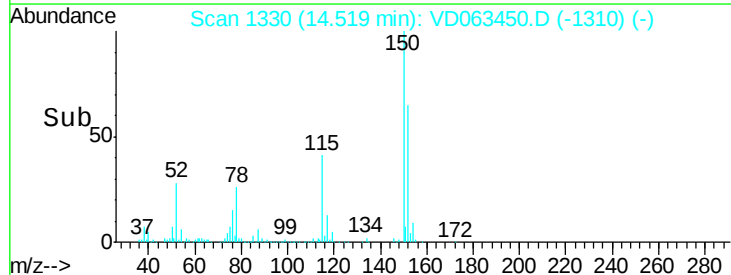
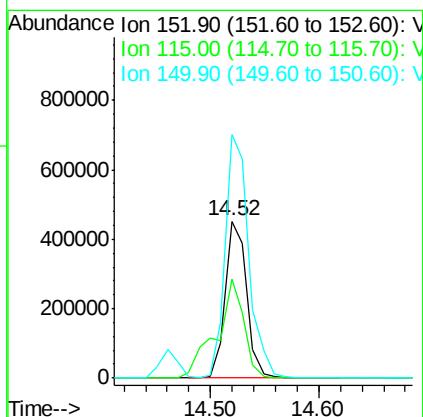
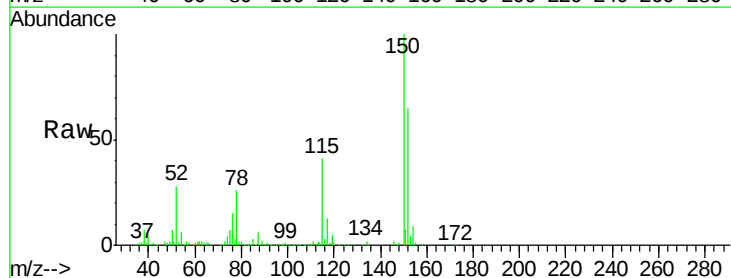
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

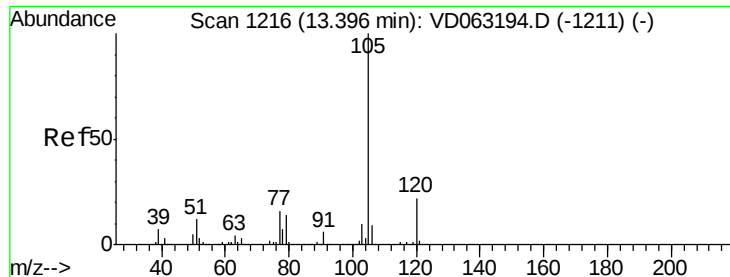
Tot Ion:173 Resp: 354701
Ion Ratio Lower Upper
173 100
175 50.2 23.8 71.5
254 6.7 6.6 10.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD063450.D
Acq: 8 Aug 2019 20:35

Tgt Ion:152 Resp: 617597
Ion Ratio Lower Upper
152 100
115 63.3 27.5 82.4
150 154.9 0.0 320.6

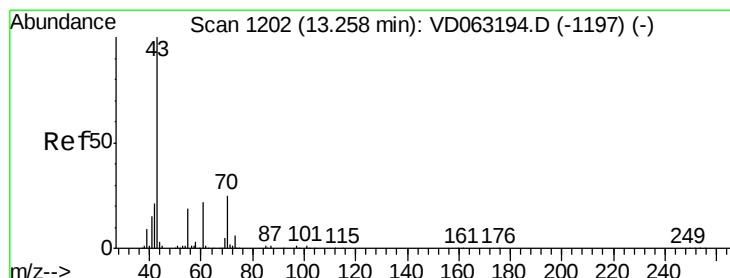
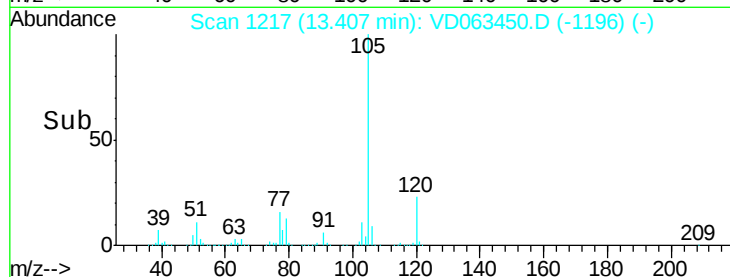
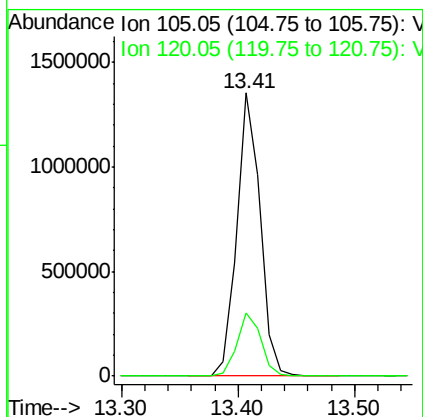
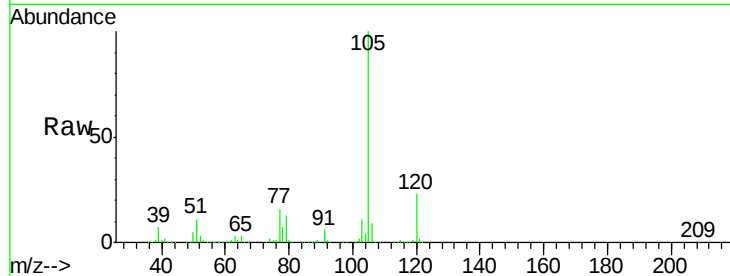




#73
Isopropylbenzene
Concen: 48.283 ug/l
RT: 13.41 min Scan# 1217
Delta R.T. 0.01 min
Lab File: VD063450.D
Acq: 8 Aug 2019 20:35

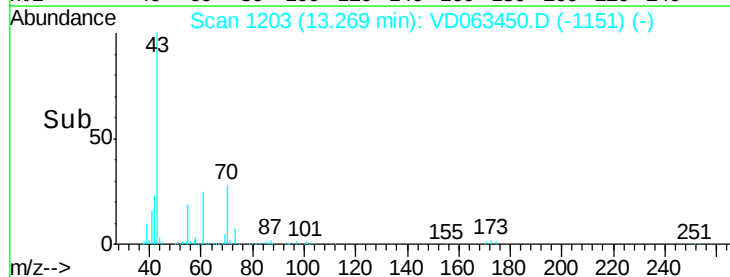
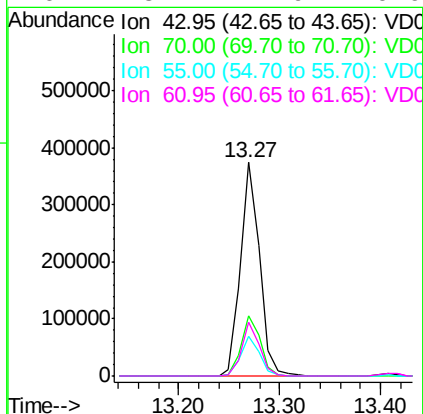
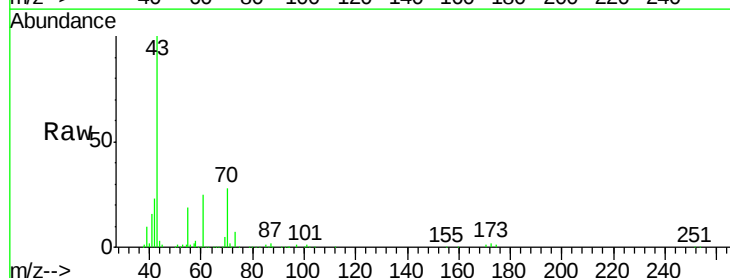
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

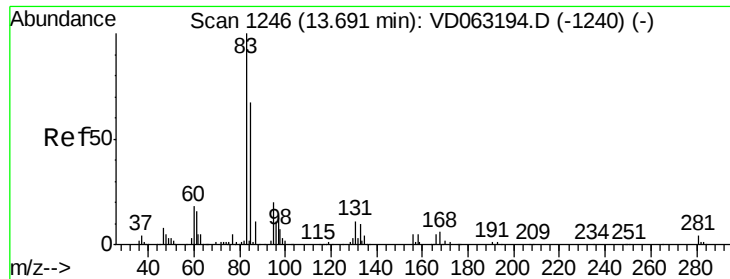
Tot Ion:105 Resp: 1871563
Ion Ratio Lower Upper
105 100
120 22.5 11.1 33.3



#74
N-ethyl acetate
Concen: 47.818 ug/l
RT: 13.27 min Scan# 1203
Delta R.T. 0.01 min
Lab File: VD063450.D
Acq: 8 Aug 2019 20:35

Tgt Ion: 43 Resp: 490002
Ion Ratio Lower Upper
43 100
70 28.3 20.2 30.4
55 18.9 14.9 22.3
61 25.4 17.9 26.9





#75

1,1,2,2-Tetrachloroethane

Concen: 52.951 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.01 min

Lab File: VD063450.D

Acq: 8 Aug 2019 20:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

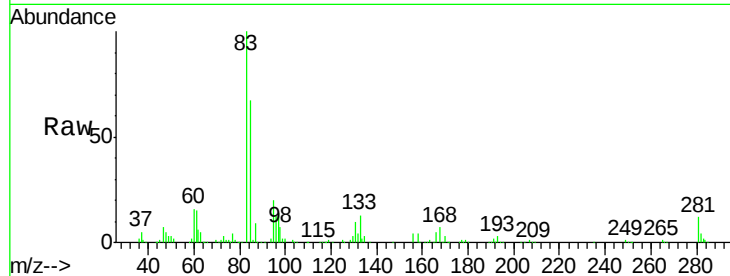
Tot Ion: 83 Resp: 348648

Ion Ratio Lower Upper

83 100

131 10.3 5.5 16.7

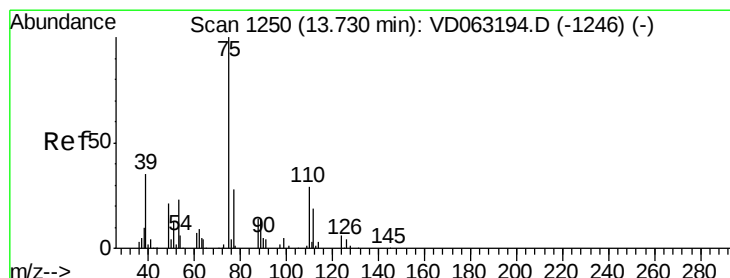
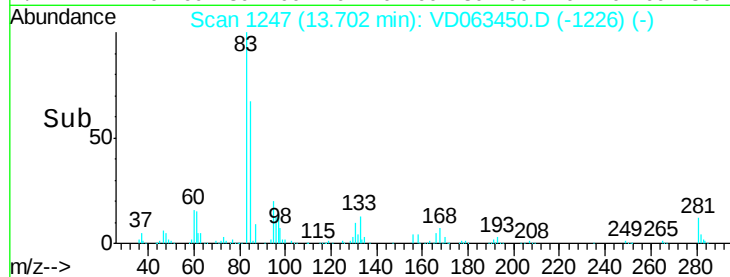
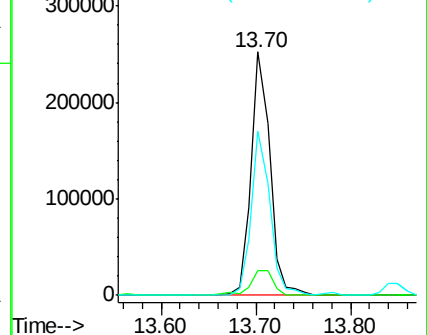
85 67.2 33.7 101.1



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 48.160 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD063450.D

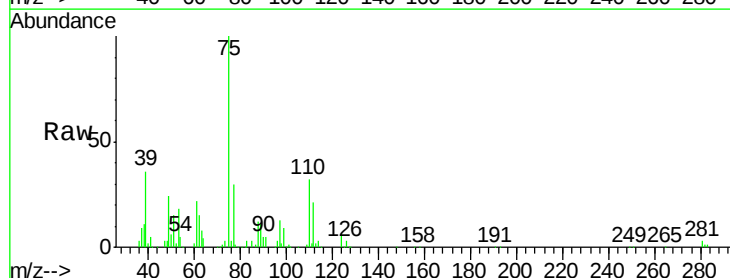
Acq: 8 Aug 2019 20:35

Tgt Ion: 75 Resp: 357255

Ion Ratio Lower Upper

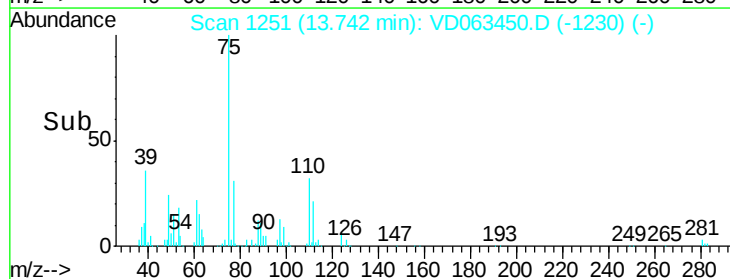
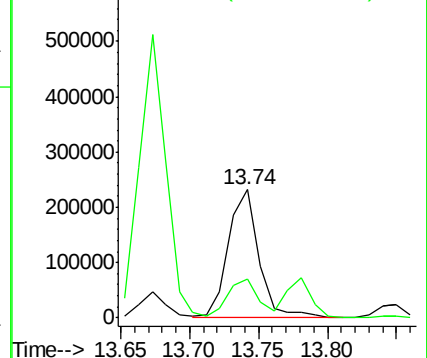
75 100

77 30.2 16.0 48.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 49.572 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.01 min

Lab File: VD063450.D

Acq: 8 Aug 2019 20:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

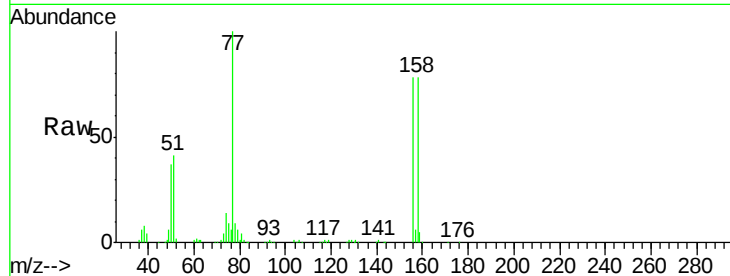
Tot Ion:156 Resp: 547389

Ion Ratio Lower Upper

156 100

77 127.8 67.6 202.8

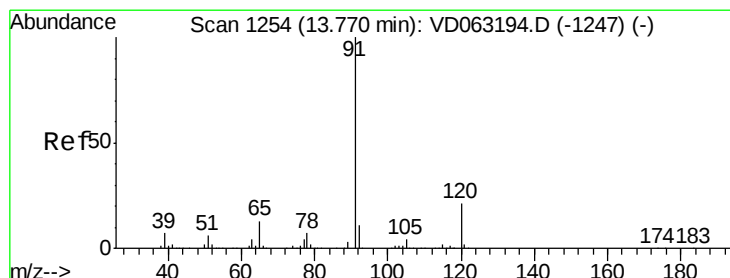
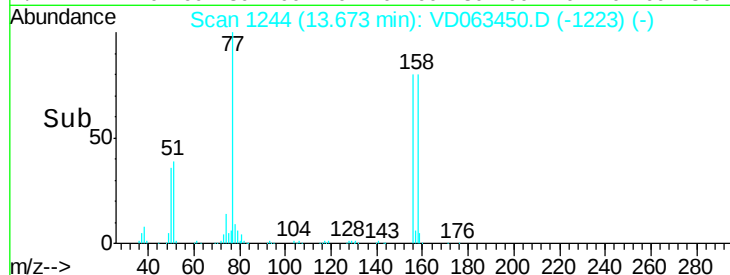
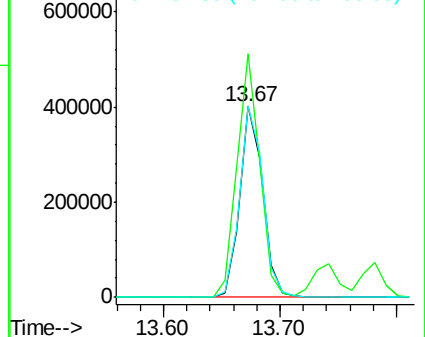
158 100.3 49.8 149.4



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 48.352 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD063450.D

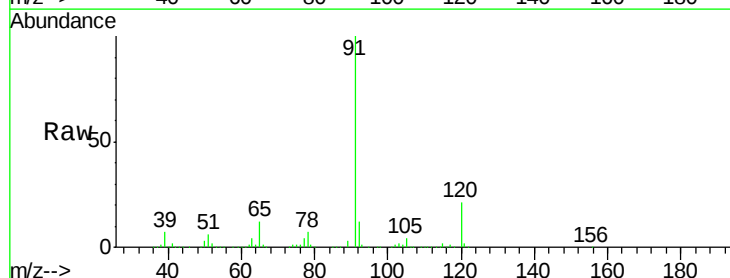
Acq: 8 Aug 2019 20:35

Tgt Ion: 91 Resp: 2230409

Ion Ratio Lower Upper

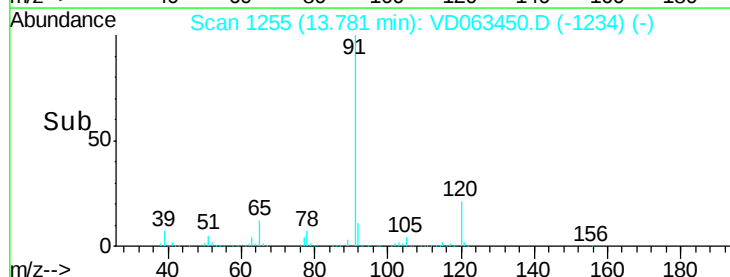
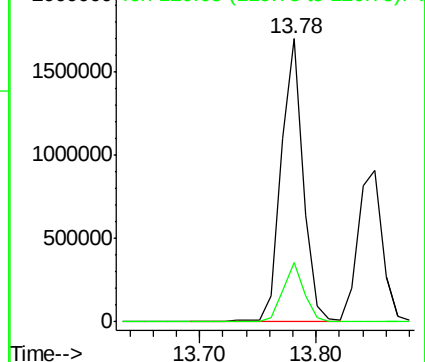
91 100

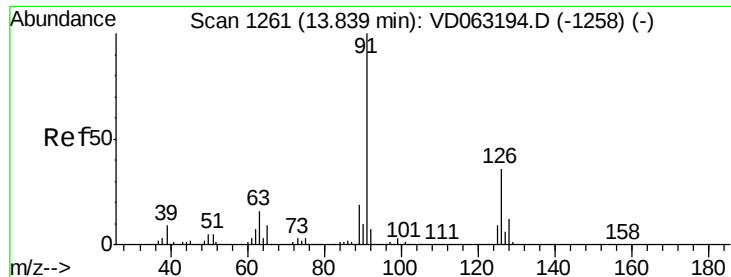
120 21.1 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 49.522 ug/l

RT: 13.85 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VD063450.D

Acq: 8 Aug 2019 20:35

Instrument :

MSVOA_D

ClientSampleId :

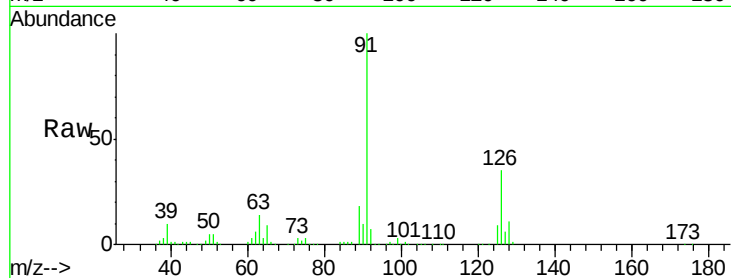
VSTDCCC050EC

Tot Ion: 91 Resp: 1323625

Ion Ratio Lower Upper

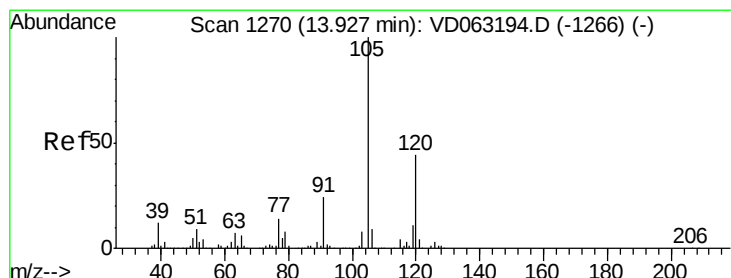
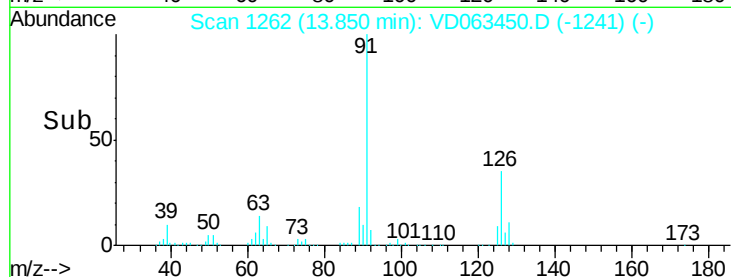
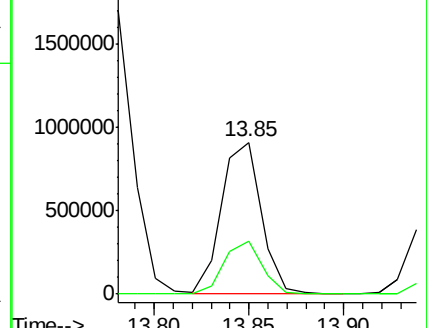
91 100

126 35.2 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): VD063194.D (-1258) (-)

Ion 125.95 (125.65 to 126.65): VD063194.D (-1258) (-)



#80

1,3,5-Trimethylbenzene

Concen: 48.320 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VD063450.D

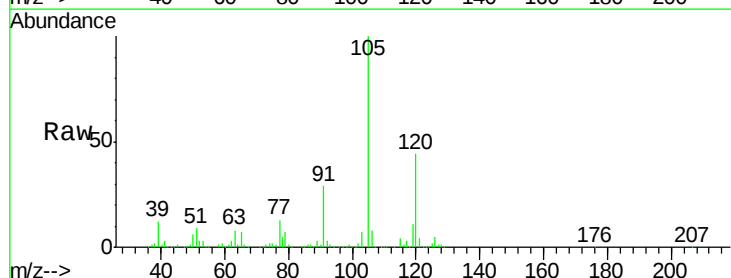
Acq: 8 Aug 2019 20:35

Tgt Ion: 105 Resp: 1615455

Ion Ratio Lower Upper

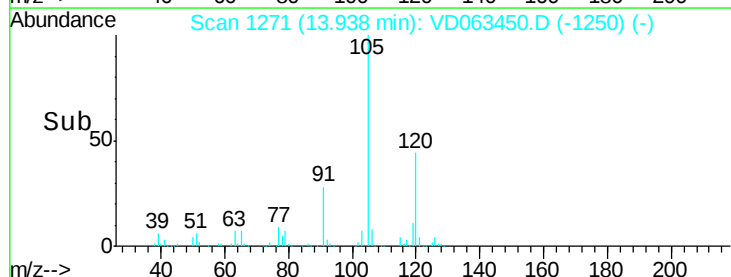
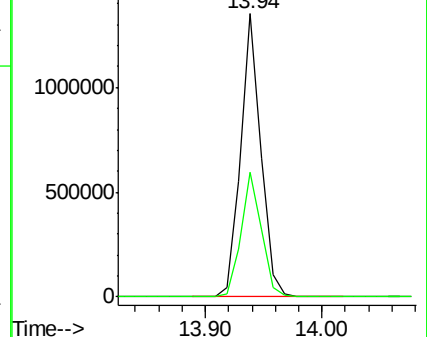
105 100

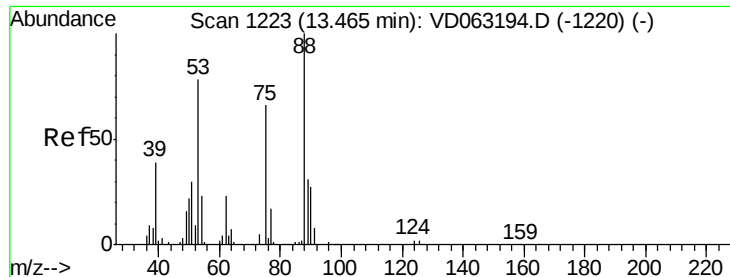
120 43.8 22.1 66.1



Abundance Ion 105.05 (104.75 to 105.75): VD063194.D (-1266) (-)

Ion 120.05 (119.75 to 120.75): VD063194.D (-1266) (-)

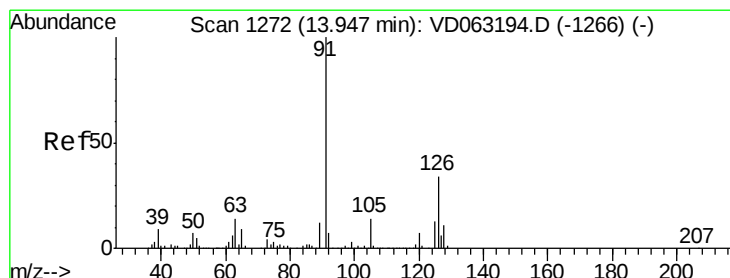
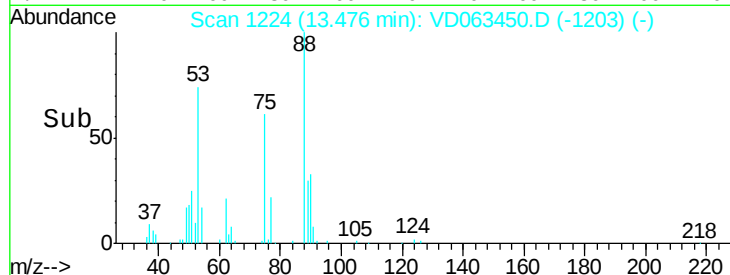
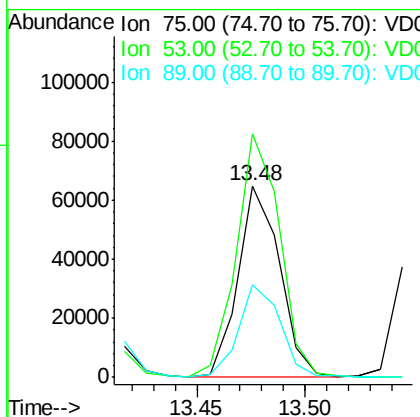
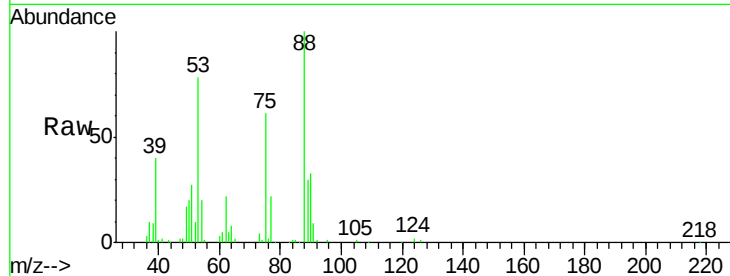




#81
trans-1,4-Dichloro-2-butene
Concen: 42.211 ug/l
RT: 13.48 min Scan# 1224
Delta R.T. 0.01 min
Lab File: VD063450.D
Acq: 8 Aug 2019 20:35

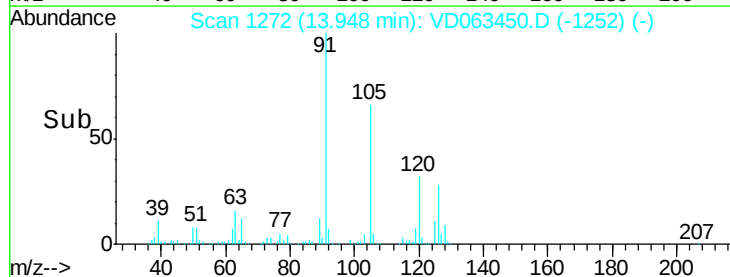
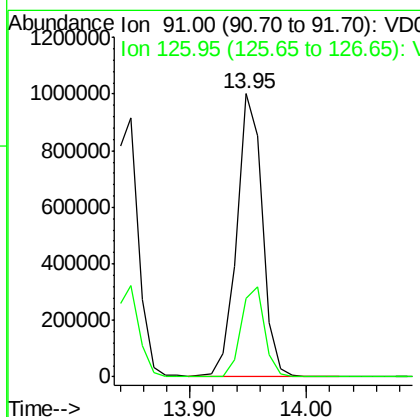
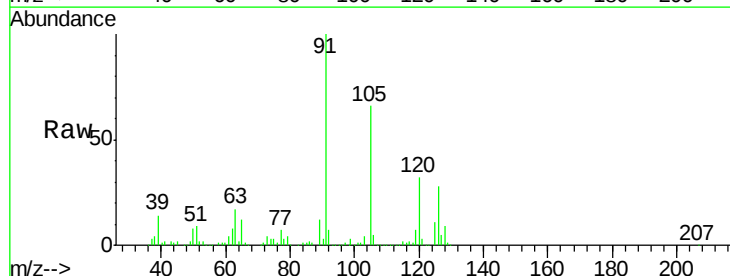
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 86950
Ion Ratio Lower Upper
75 100
53 127.1 94.9 142.3
89 48.6 37.4 56.0



#82
4-Chlorotoluene
Concen: 48.105 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VD063450.D
Acq: 8 Aug 2019 20:35

Tgt Ion: 91 Resp: 1513162
Ion Ratio Lower Upper
91 100
126 28.0 17.1 51.2

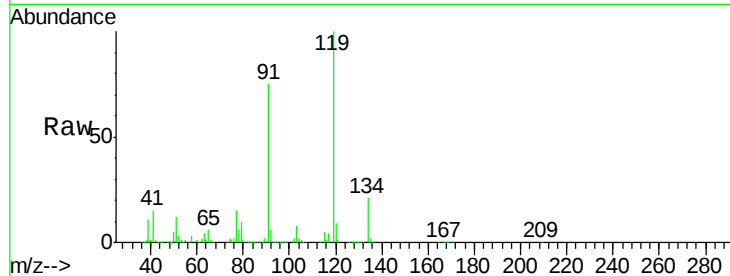




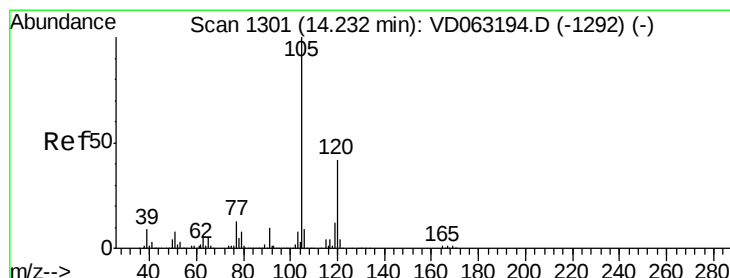
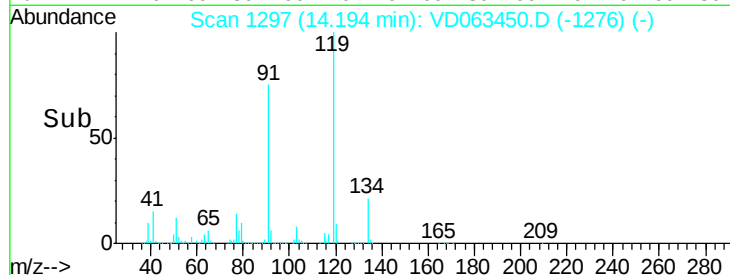
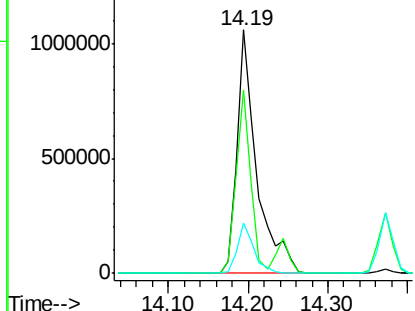
#83
 tert-Butylbenzene
 Concen: 47.806 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. 0.01 min
 Lab File: VD063450.D
 Acq: 8 Aug 2019 20:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:119 Resp: 1824934
 Ion Ratio Lower Upper
 119 100
 91 75.4 39.1 117.5
 134 20.8 10.9 32.6

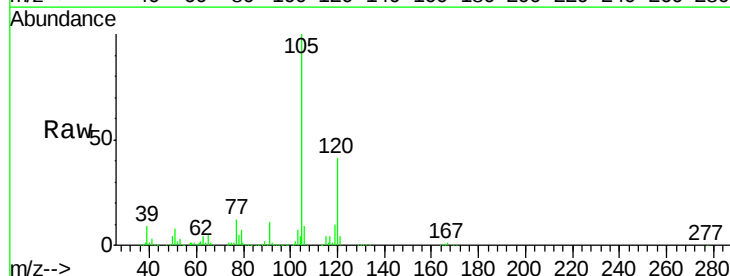


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

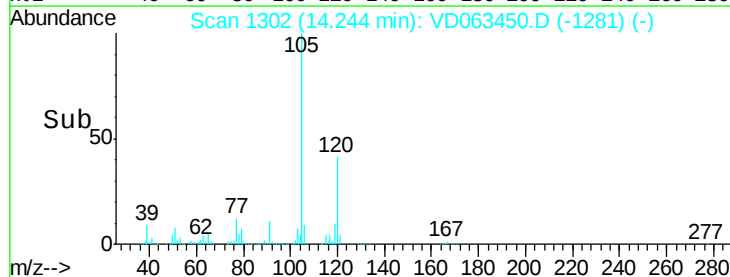
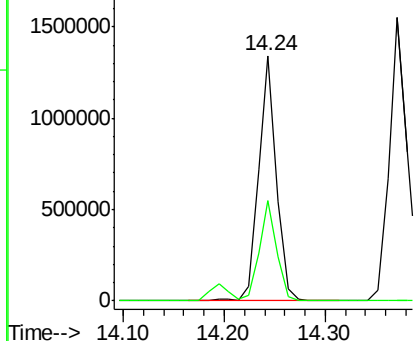


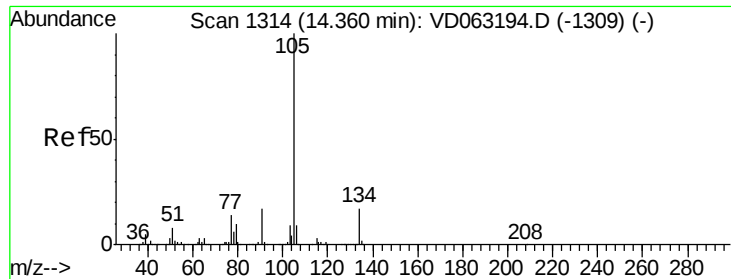
#84
 1,2,4-Trimethylbenzene
 Concen: 47.648 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.01 min
 Lab File: VD063450.D
 Acq: 8 Aug 2019 20:35

Tgt Ion:105 Resp: 1647681
 Ion Ratio Lower Upper
 105 100
 120 40.7 20.9 62.7



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

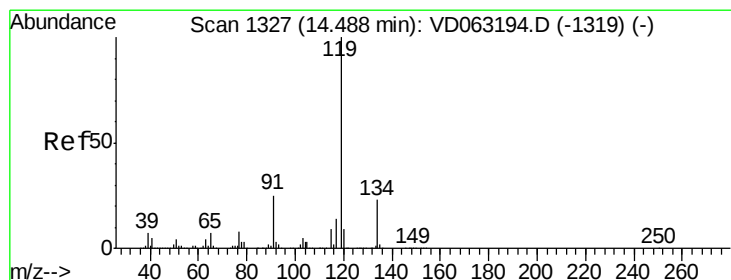
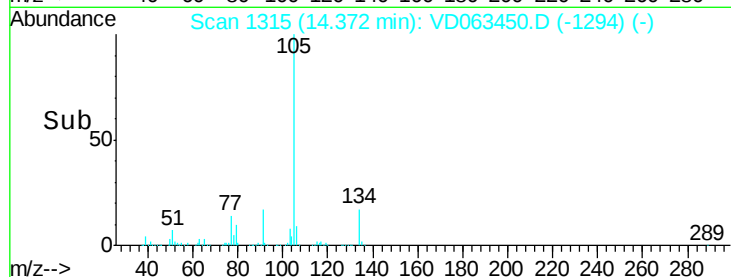
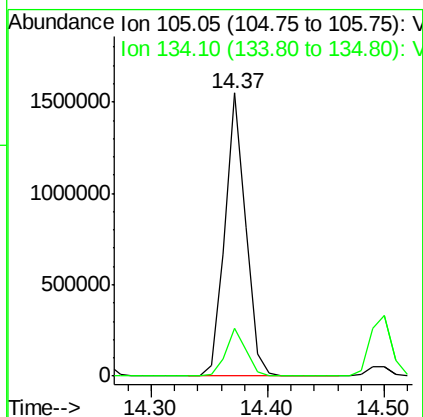
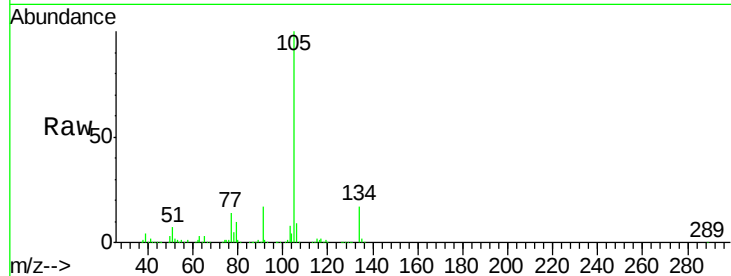




#85
 sec-Butylbenzene
 Concen: 47.651 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.01 min
 Lab File: VD063450.D
 Acq: 8 Aug 2019 20:35

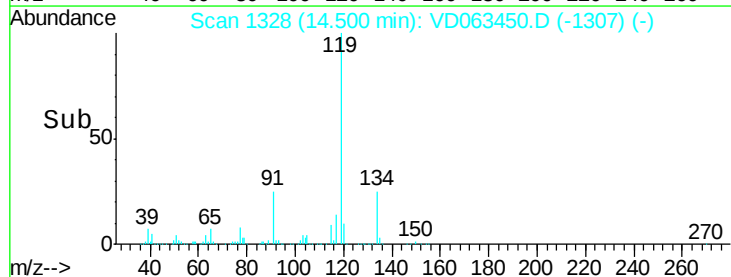
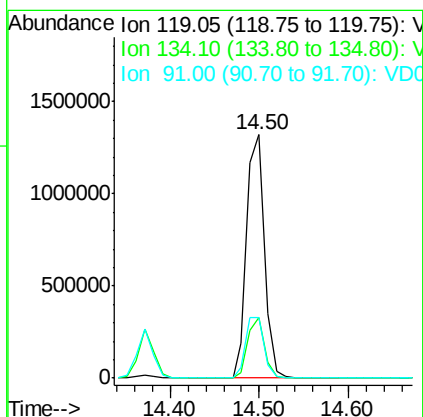
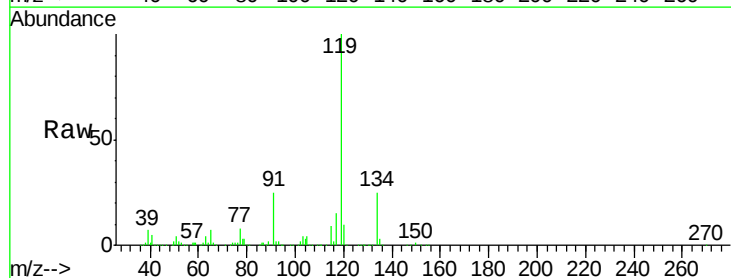
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

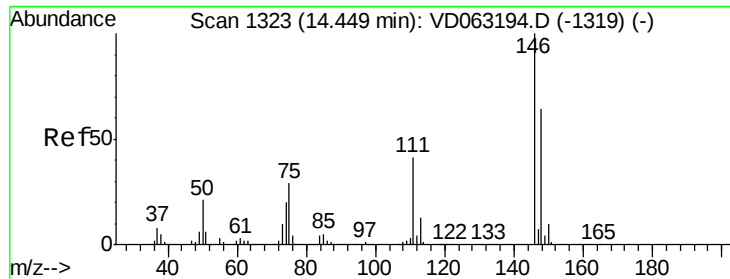
Tot Ion:105 Resp: 1916471
 Ion Ratio Lower Upper
 105 100
 134 17.0 8.3 24.9



#86
 p-Isopropyltoluene
 Concen: 47.686 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: VD063450.D
 Acq: 8 Aug 2019 20:35

Tgt Ion:119 Resp: 1830512
 Ion Ratio Lower Upper
 119 100
 134 25.0 11.5 34.5
 91 24.7 12.6 37.6

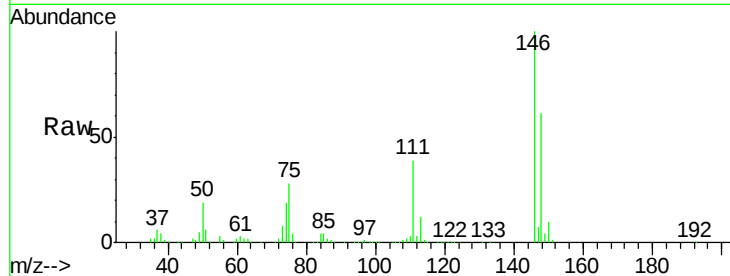




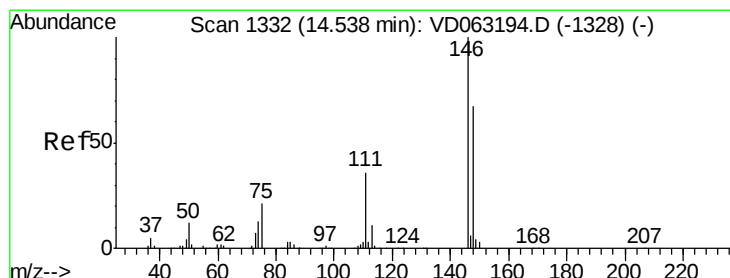
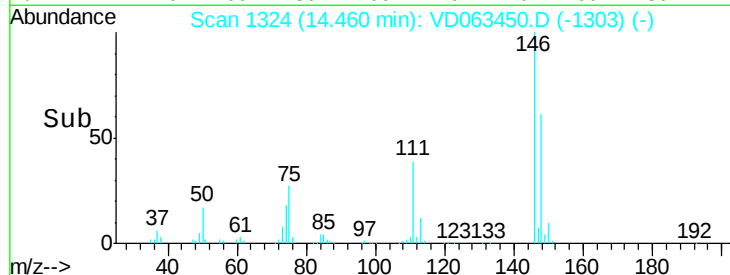
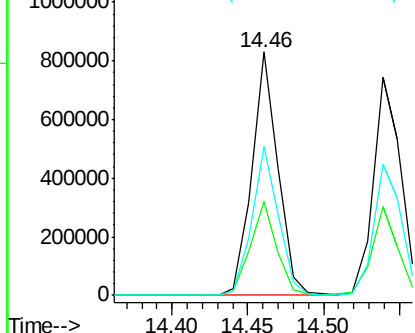
#87
 1,3-Dichlorobenzene
 Concen: 50.931 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.01 min
 Lab File: VD063450.D
 Acq: 8 Aug 2019 20:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:146 Resp: 995948
 Ion Ratio Lower Upper
 146 100
 111 38.7 20.4 61.3
 148 61.2 31.8 95.4

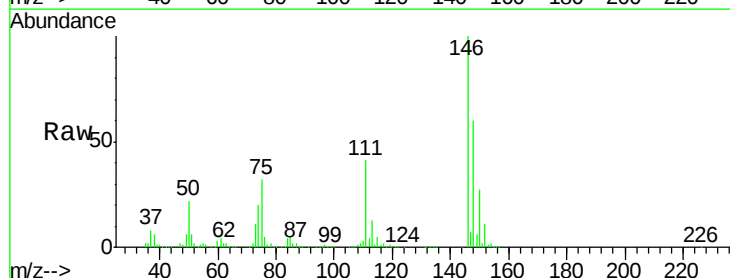


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

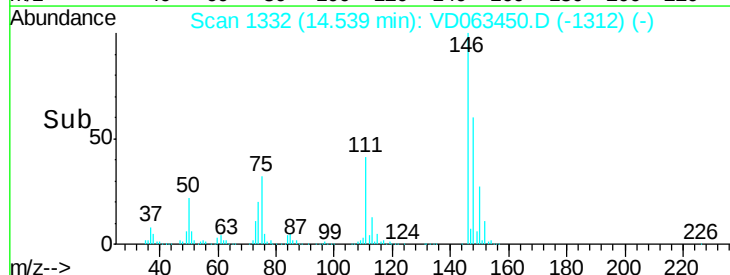
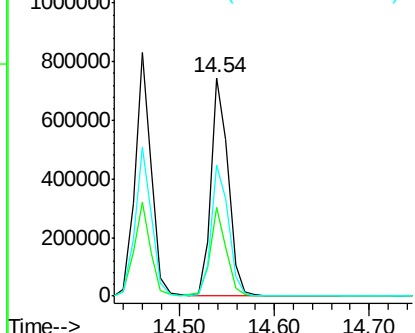


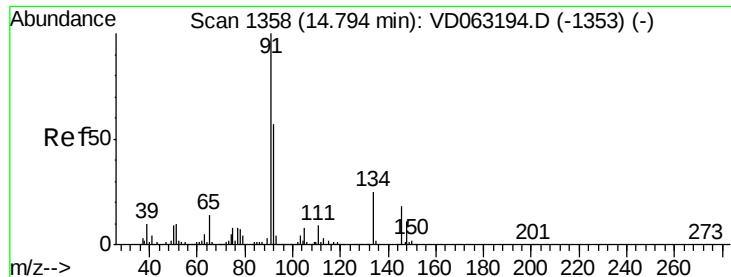
#88
 1,4-Dichlorobenzene
 Concen: 48.215 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD063450.D
 Acq: 8 Aug 2019 20:35

Tgt Ion:146 Resp: 953421
 Ion Ratio Lower Upper
 146 100
 111 40.6 18.1 54.3
 148 59.9 33.4 100.1



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

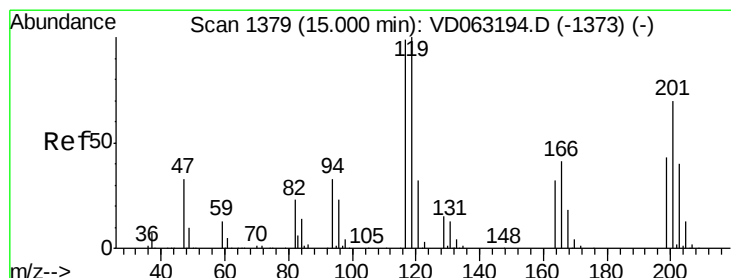
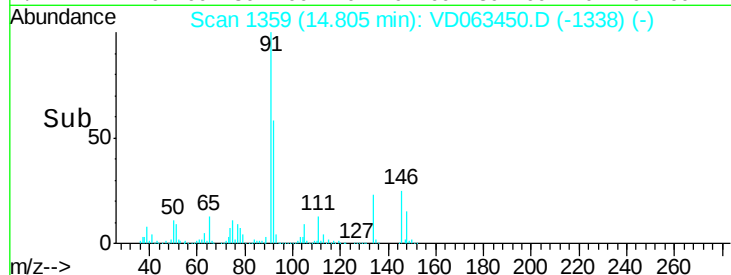
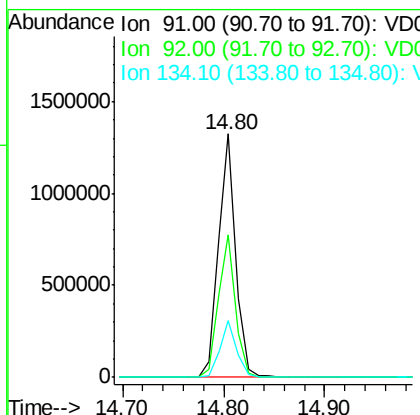
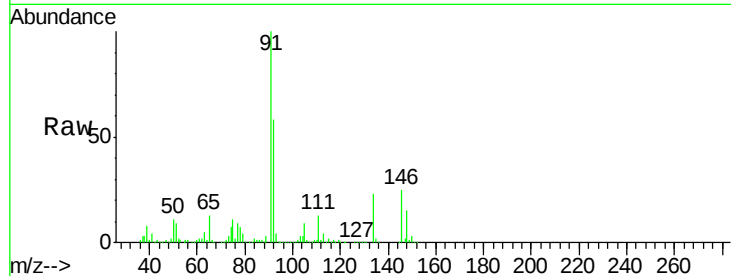




#89
n-Butylbenzene
Concen: 47.932 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. 0.01 min
Lab File: VD063450.D
Acq: 8 Aug 2019 20:35

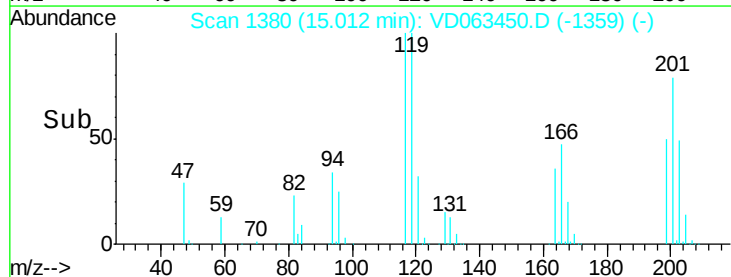
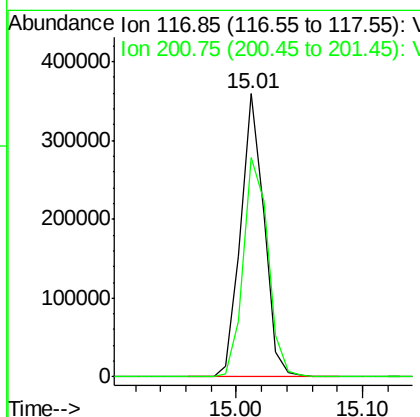
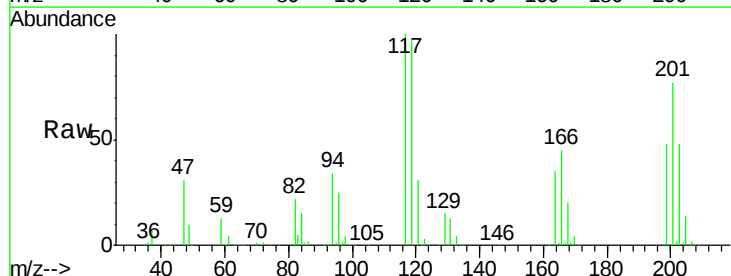
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

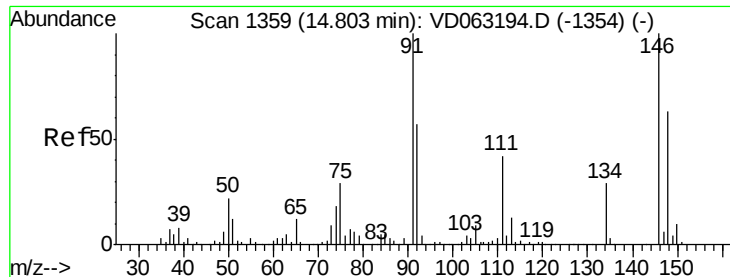
Tot Ion: 91 Resp: 1589165
Ion Ratio Lower Upper
91 100
92 58.4 28.3 85.0
134 23.4 12.3 36.8



#90
Hexachloroethane
Concen: 45.746 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. 0.01 min
Lab File: VD063450.D
Acq: 8 Aug 2019 20:35

Tgt Ion: 117 Resp: 457510
Ion Ratio Lower Upper
117 100
201 77.3 35.2 105.6

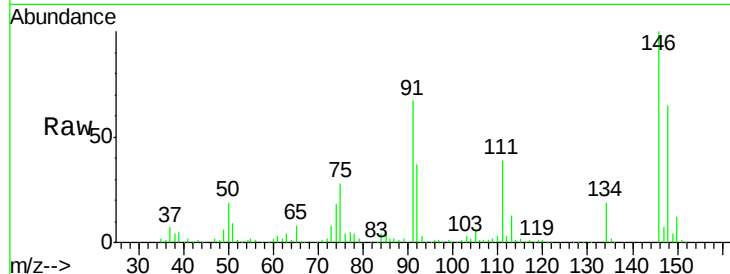




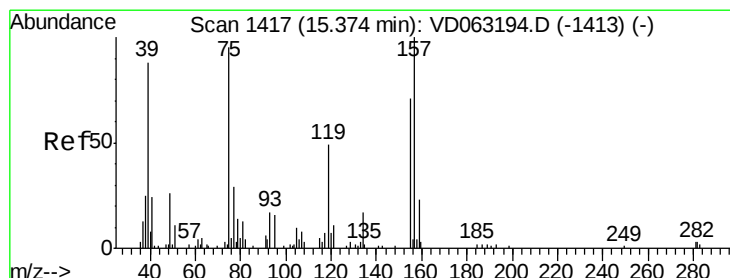
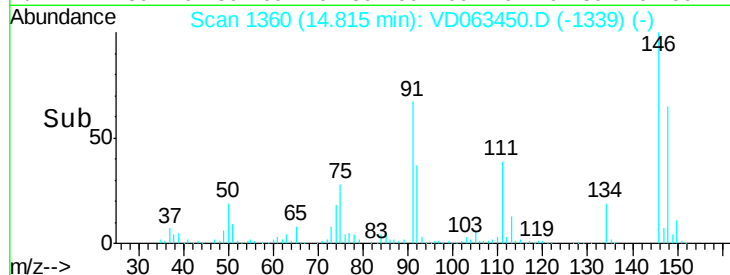
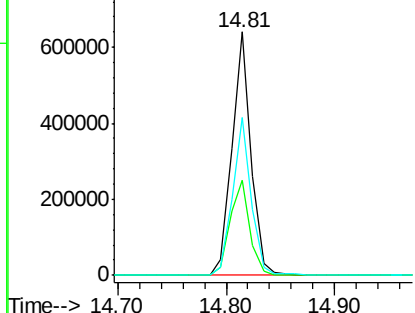
#91
 1,2-Dichlorobenzene
 Concen: 46.125 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VD063450.D
 Acq: 8 Aug 2019 20:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:146 Resp: 785860
 Ion Ratio Lower Upper
 146 100
 111 39.1 21.1 63.3
 148 64.9 31.6 94.8

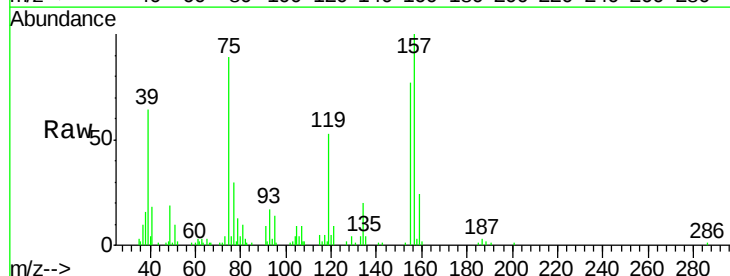


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

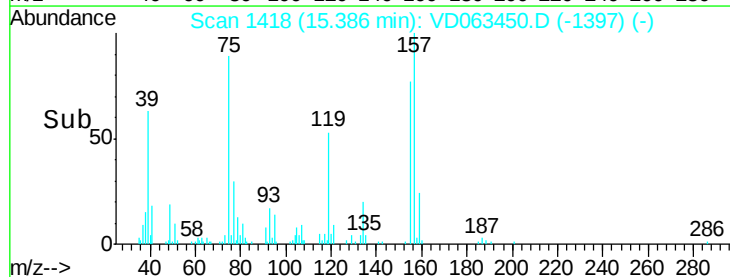
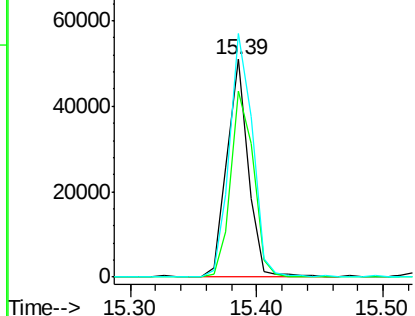


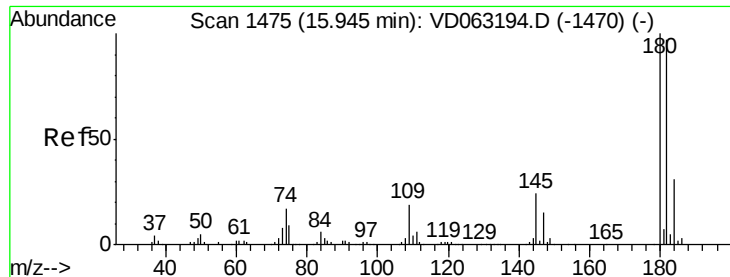
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.367 ug/l
 RT: 15.39 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD063450.D
 Acq: 8 Aug 2019 20:35

Tgt Ion: 75 Resp: 59505
 Ion Ratio Lower Upper
 75 100
 155 85.6 37.0 111.0
 157 111.8 52.4 157.2



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

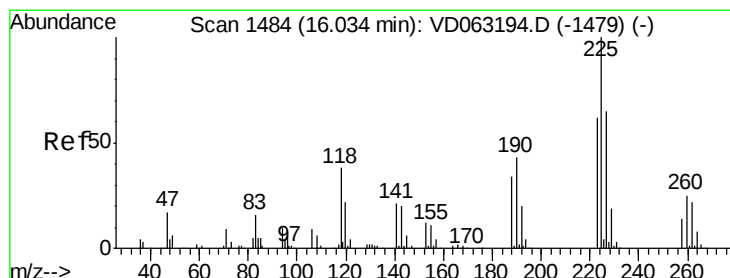
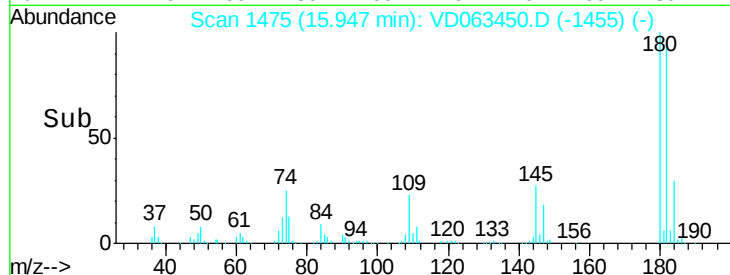
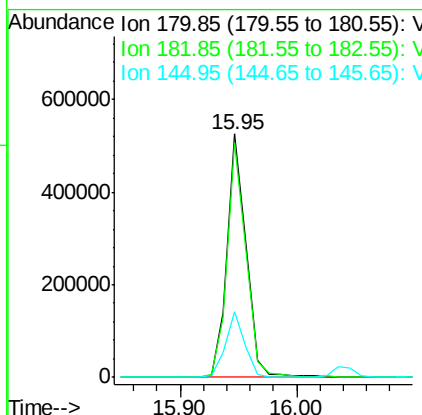
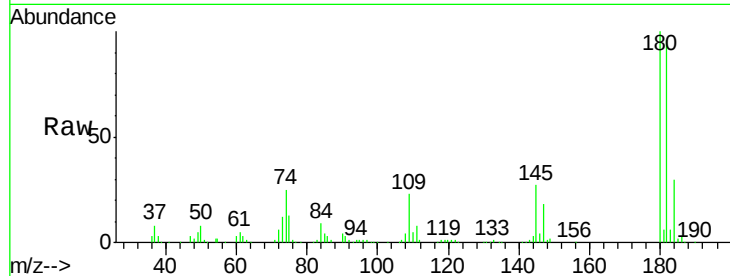




#93
 1,2,4-Trichlorobenzene
 Concen: 44.376 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD063450.D
 Acq: 8 Aug 2019 20:35

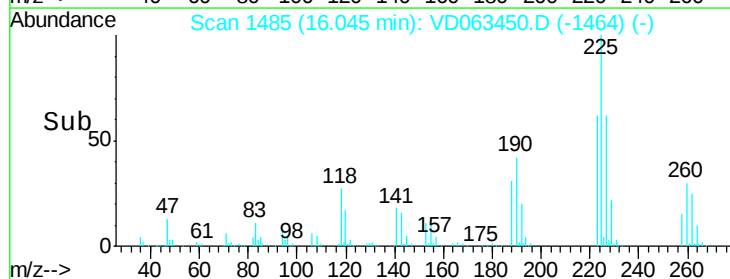
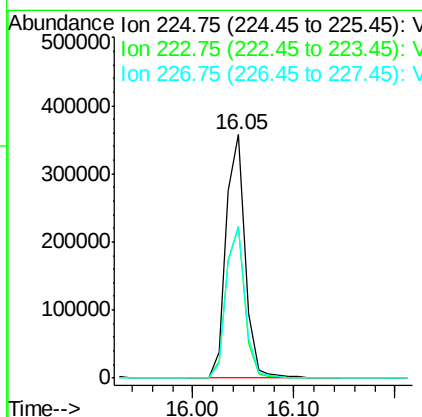
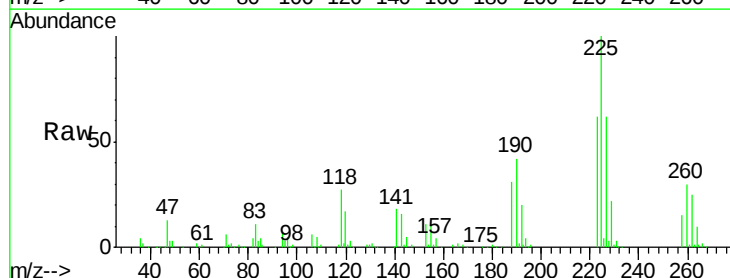
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

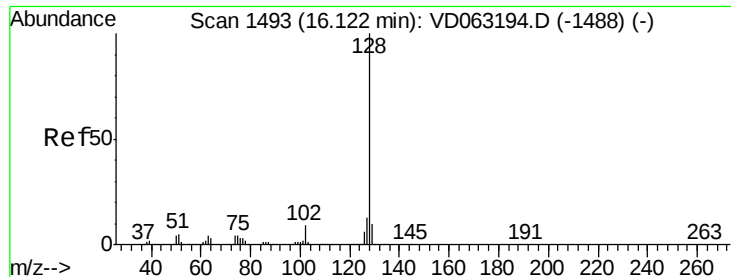
Tot Ion:180 Resp: 599791
 Ion Ratio Lower Upper
 180 100
 182 96.4 48.6 145.8
 145 27.0 12.2 36.6



#94
 Hexachlorobutadiene
 Concen: 47.971 ug/l
 RT: 16.05 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD063450.D
 Acq: 8 Aug 2019 20:35

Tgt Ion:225 Resp: 469870
 Ion Ratio Lower Upper
 225 100
 223 62.4 30.9 92.5
 227 62.0 32.6 97.7

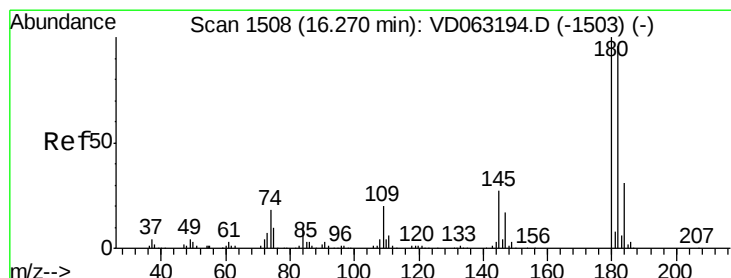
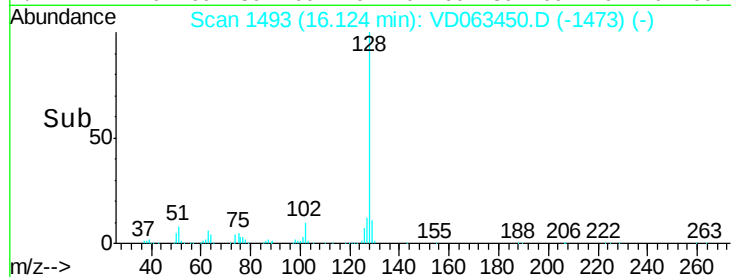
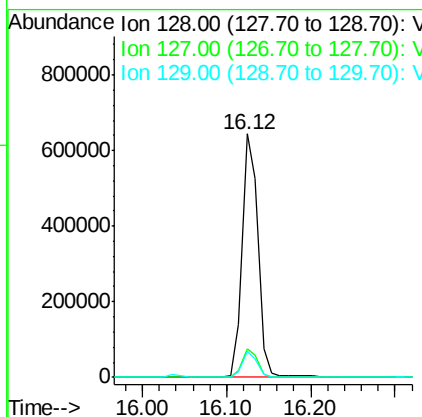
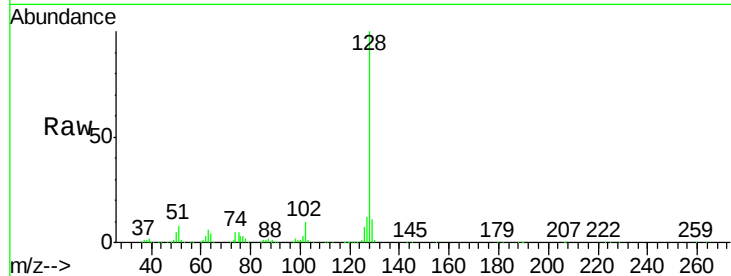




#95
Naphthalene
Concen: 44.119 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD063450.D
Acq: 8 Aug 2019 20:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 842843
Ion Ratio Lower Upper
128 100
127 11.5 10.2 15.4
129 10.8 7.8 11.8



#96
1,2,3-Trichlorobenzene
Concen: 46.941 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD063450.D
Acq: 8 Aug 2019 20:35

Tgt Ion:180 Resp: 501224
Ion Ratio Lower Upper
180 100
182 99.6 48.3 144.9
145 31.8 13.6 40.7

