

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080619\
 Data File : VD063393.D
 Acq On : 6 Aug 2019 12:18
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 07 06:40:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	1125229	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1446392	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1232151	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	639440	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.45	65	620333	49.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.36%	
35) Dibromofluoromethane	6.93	113	668875	54.16	ug/l	0.02
Spiked Amount 50.000			Recovery	=	108.32%	
50) Toluene-d8	10.41	98	1490461	53.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.86%	
62) 4-Bromofluorobenzene	13.55	95	666921	52.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	617470	44.892	ug/l	100
3) Chloromethane	1.75	50	500454	46.831	ug/l #	88
4) Vinyl Chloride	1.85	62	543618	49.139	ug/l	99
5) Bromomethane	2.15	94	248343	44.510	ug/l	95
6) Chloroethane	2.26	64	259221	50.752	ug/l	98
7) Trichlorofluoromethane	2.53	101	1177876	54.882	ug/l	99
8) Diethyl Ether	2.87	74	158869	52.892	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.15	101	639250	53.771	ug/l	98
10) Methyl Iodide	3.30	142	880516	51.269	ug/l	94
11) Tert butyl alcohol	4.08	59	118559	216.379	ug/l	99
12) 1,1-Dichloroethene	3.12	96	467569	53.573	ug/l	87
13) Acrolein	3.03	56	118600	224.909	ug/l	97
14) Allyl chloride	3.62	41	725239	52.162	ug/l	94
15) Acrylonitrile	4.20	53	378836	266.685	ug/l	94
16) Acetone	3.23	43	721910	296.757	ug/l	100
17) Carbon Disulfide	3.37	76	1442558	49.382	ug/l	98
18) Methyl Acetate	3.64	43	229245	49.060	ug/l	100
19) Methyl tert-butyl Ether	4.24	73	1068012	54.173	ug/l	98
20) Methylene Chloride	3.81	84	513922	52.264	ug/l	92
21) trans-1,2-Dichloroethene	4.21	96	541317	55.277	ug/l	96
22) Diisopropyl ether	5.13	45	1417285	51.022	ug/l	98
23) Vinyl Acetate	5.06	43	4410431	258.297	ug/l	98
24) 1,1-Dichloroethane	4.98	63	926063	52.193	ug/l	99
25) 2-Butanone	6.08	43	663687	271.849	ug/l #	91
26) 2,2-Dichloropropane	6.02	77	1034665	56.585	ug/l	95
27) cis-1,2-Dichloroethene	6.04	96	573061	54.581	ug/l	93
28) Bromochloromethane	6.43	49	333126	47.122	ug/l	97
29) Tetrahydrofuran	6.46	42	293270	253.722	ug/l	99
30) Chloroform	6.66	83	1161804	52.763	ug/l	97
31) Cyclohexane	6.96	56	590096	53.059	ug/l	93
32) 1,1,1-Trichloroethane	6.87	97	1196096	56.158	ug/l	97
36) 1,1-Dichloropropene	7.14	75	781558	59.208	ug/l	97
37) Ethyl Acetate	6.18	43	302009	50.926	ug/l	97
38) Carbon Tetrachloride	7.11	117	1210421	60.910	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	647132	58.841	ug/l	91
40) Benzene	7.46	78	1672686	60.462	ug/l	97
41) Methacrylonitrile	6.45	41	387176	54.579	ug/l #	79
42) 1,2-Dichloroethane	7.58	62	821747	56.046	ug/l	98
43) Isopropyl Acetate	9.24	43	428894	56.617	ug/l	97
44) Trichloroethene	8.54	130	643941	57.442	ug/l	98
45) 1,2-Dichloropropane	8.93	63	400026	56.888	ug/l	97
46) Dibromomethane	9.06	93	317010	54.220	ug/l	89
47) Bromodichloromethane	9.38	83	831782	55.809	ug/l	94
48) Methyl methacrylate	9.12	41	281476	57.291	ug/l	94
49) 1,4-Dioxane	9.08	88	49048	1179.232	ug/l #	85
51) 4-Methyl-2-Pentanone	10.30	43	1510297	293.156	ug/l	97
52) Toluene	10.51	92	1080708	58.734	ug/l	94
53) t-1,3-Dichloropropene	10.91	75	706276	54.966	ug/l	92
54) cis-1,3-Dichloropropene	10.04	75	746859	55.305	ug/l	95
55) 1,1,2-Trichloroethane	11.19	97	338522	54.475	ug/l	94
56) Ethyl methacrylate	11.04	69	378023	55.552	ug/l	94
57) 1,3-Dichloropropane	11.41	76	557183	56.906	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.86	63	946123	267.203	ug/l	100
59) 2-Hexanone	11.53	43	1171093	315.434	ug/l	99
60) Dibromochloromethane	11.69	129	677100	57.716	ug/l	92
61) 1,2-Dibromoethane	11.81	107	431500	56.272	ug/l	99
64) Tetrachloroethene	11.26	164	571546	58.225	ug/l	95
65) Chlorobenzene	12.40	112	1316874	55.565	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	602848	57.747	ug/l	95
67) Ethyl Benzene	12.53	91	2185181	54.276	ug/l	98
68) m/p-Xylenes	12.68	106	1597237	108.179	ug/l	100
69) o-Xylene	13.05	106	785004	57.897	ug/l	97
70) Styrene	13.07	104	1358103	56.481	ug/l	96
71) Bromoform	13.24	173	408866	53.856	ug/l	99
73) Isopropylbenzene	13.40	105	2207366	55.001	ug/l	99
74) N-amyl acetate	13.27	43	604875	57.012	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	394281	57.836	ug/l	98
76) 1,2,3-Trichloropropane	13.74	75	432934	56.368	ug/l	98
77) Bromobenzene	13.67	156	619570	54.193	ug/l	90
78) n-propylbenzene	13.78	91	2651649	55.521	ug/l	100
79) 2-Chlorotoluene	13.85	91	1657415	59.892	ug/l	98
80) 1,3,5-Trimethylbenzene	13.94	105	2072490	59.873	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	120878	56.678	ug/l	95
82) 4-Chlorotoluene	13.95	91	1818685	55.843	ug/l	92
83) tert-Butylbenzene	14.19	119	2219499	56.156	ug/l	95
84) 1,2,4-Trimethylbenzene	14.24	105	1919009	53.598	ug/l	100
85) sec-Butylbenzene	14.37	105	2232881	53.622	ug/l	100
86) p-Isopropyltoluene	14.50	119	2308628	58.087	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	1060735	52.391	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	1062432	51.893	ug/l	94
89) n-Butylbenzene	14.80	91	1984733	57.819	ug/l	97
90) Hexachloroethane	15.01	117	592305	57.201	ug/l	99
91) 1,2-Dichlorobenzene	14.81	146	956927	54.246	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.38	75	74157	53.403	ug/l	81

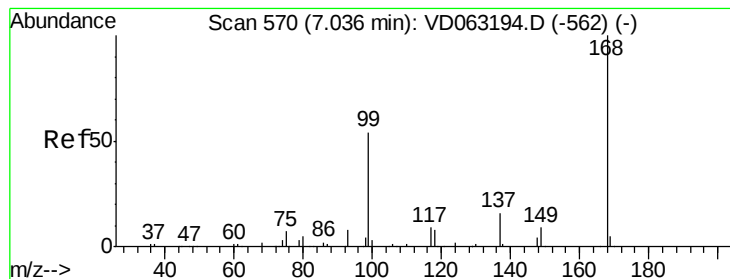
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	758285	54.186	ug/l	96
94) Hexachlorobutadiene	16.04	225	589521	58.131	ug/l	99
95) Naphthalene	16.12	128	1111914	56.216	ug/l	97
96) 1,2,3-Trichlorobenzene	16.27	180	635217	57.458	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.01 min

Lab File: VD063393.D

Acq: 6 Aug 2019 12:18

Instrument :

MSVOA_D

ClientSampleId :

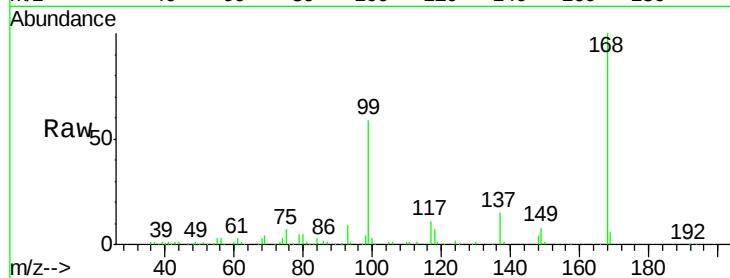
VSTDCCC050

Tot Ion:168 Resp: 1125229

Ion Ratio Lower Upper

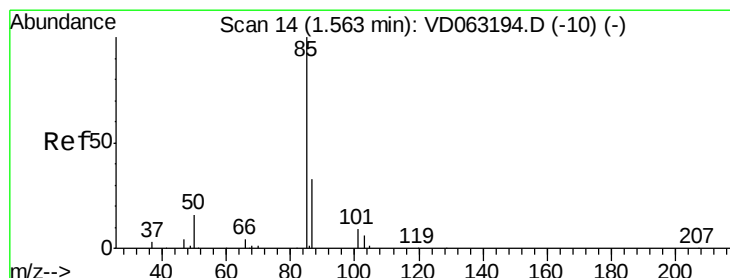
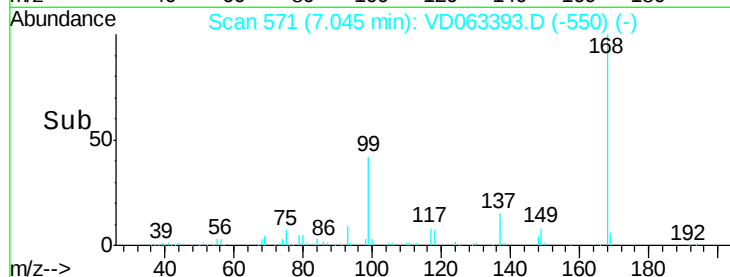
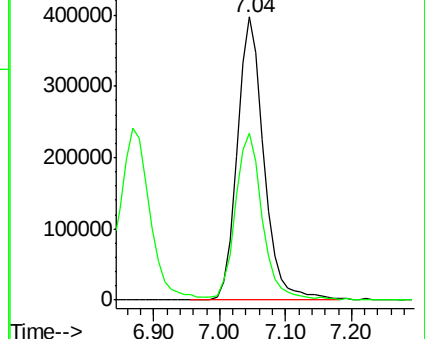
168 100

99 58.7 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: 44.892 ug/l

RT: 1.57 min Scan# 15

Delta R.T. 0.01 min

Lab File: VD063393.D

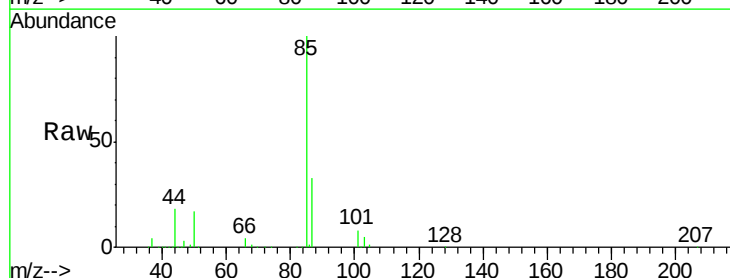
Acq: 6 Aug 2019 12:18

Tgt Ion: 85 Resp: 617470

Ion Ratio Lower Upper

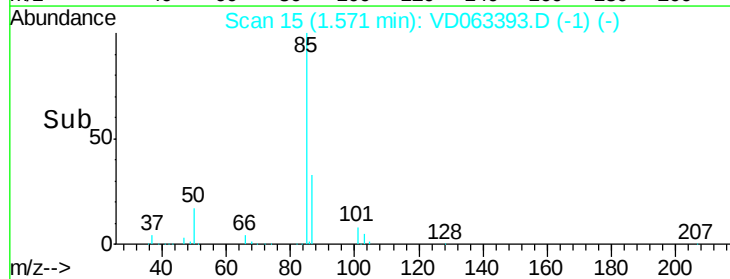
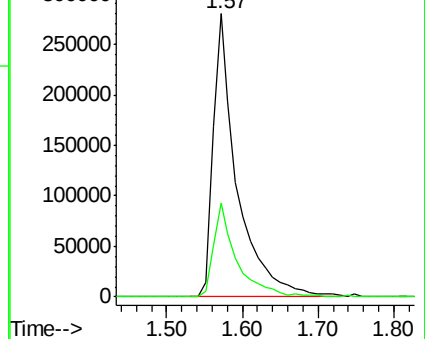
85 100

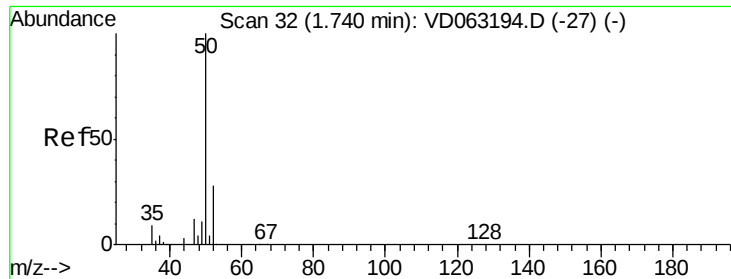
87 33.3 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 46.831 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD063393.D

Acq: 6 Aug 2019 12:18

Instrument :

MSVOA_D

ClientSampleId :

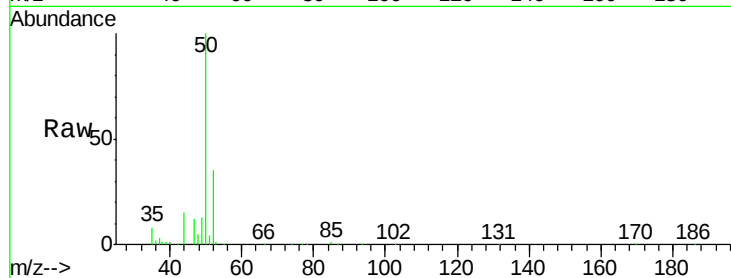
VSTDCCC050

Tot Ion: 50 Resp: 500454

Ion Ratio Lower Upper

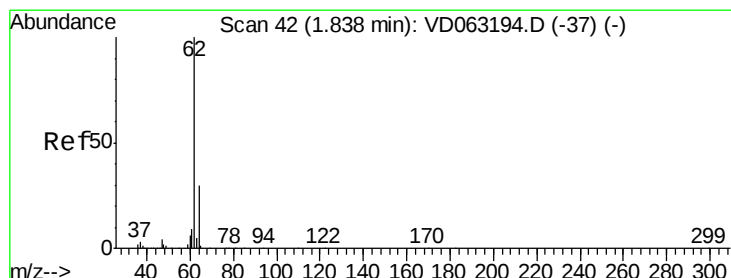
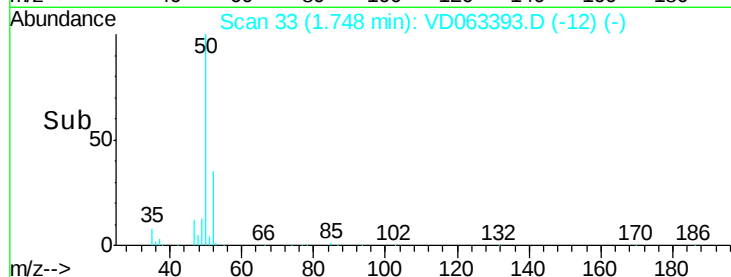
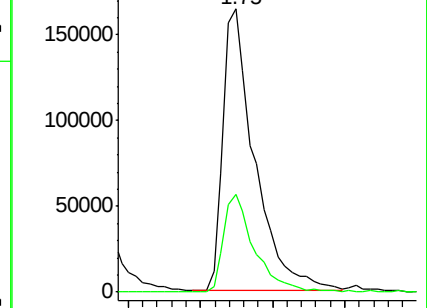
50 100

52 34.6 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: 49.139 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.01 min

Lab File: VD063393.D

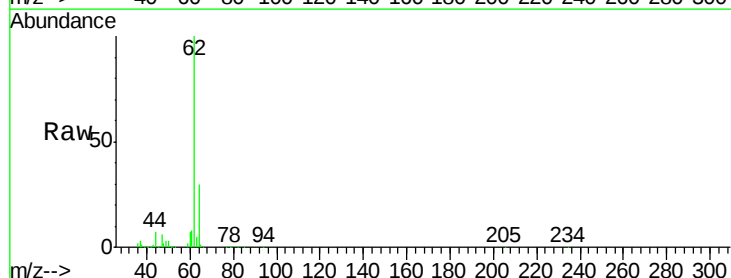
Acq: 6 Aug 2019 12:18

Tgt Ion: 62 Resp: 543618

Ion Ratio Lower Upper

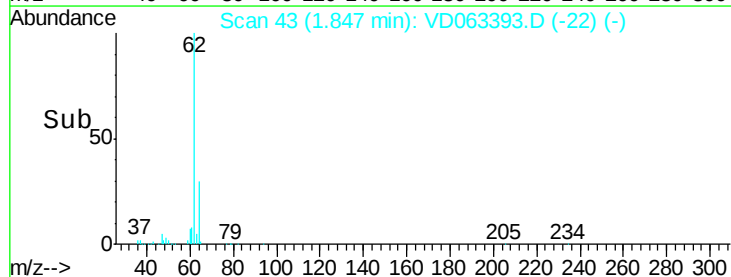
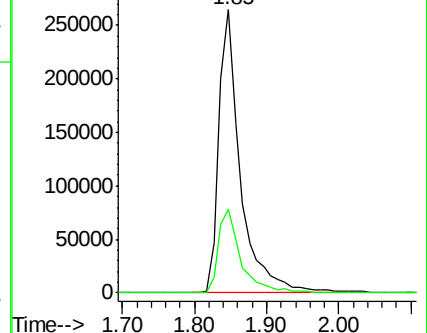
62 100

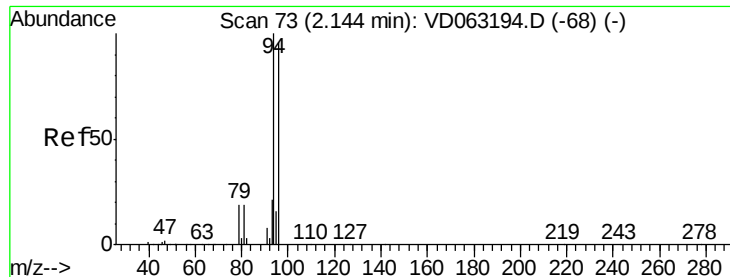
64 29.7 24.1 36.1



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 44.510 ug/l

RT: 2.15 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD063393.D

Acq: 6 Aug 2019 12:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

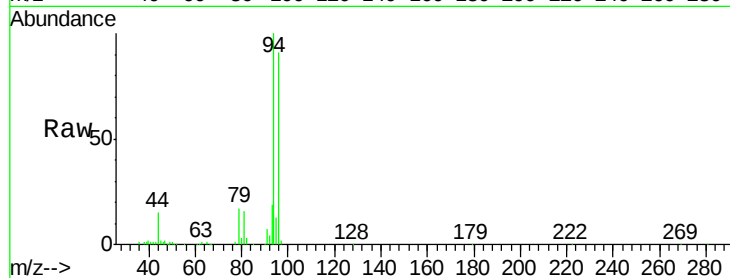
Tot Ion: 94 Resp: 248343

Ion Ratio Lower Upper

94 100

96 90.5 76.4 114.6

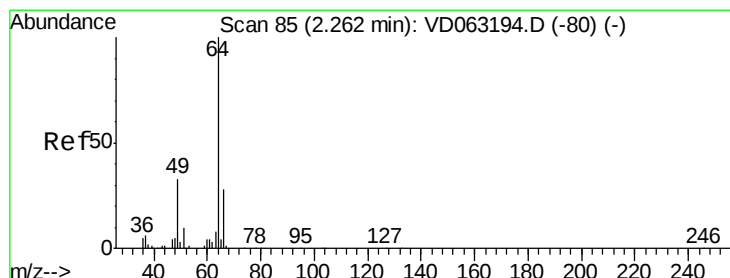
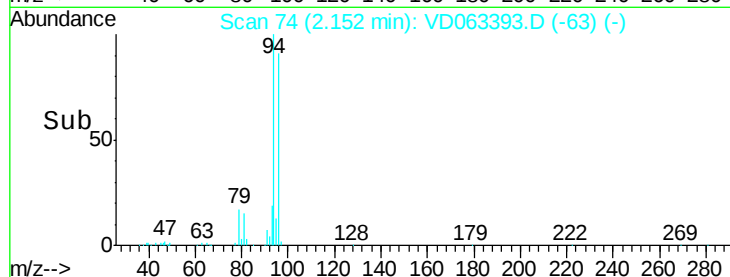
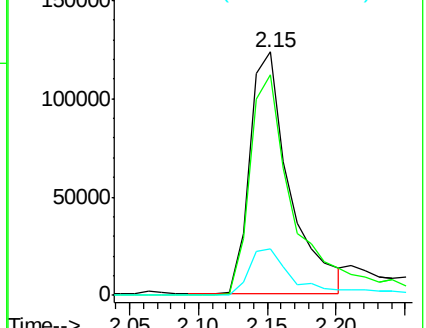
93 19.3 17.3 25.9



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 50.752 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.00 min

Lab File: VD063393.D

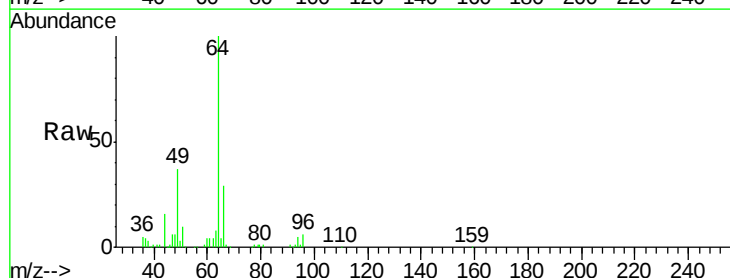
Acq: 6 Aug 2019 12:18

Tgt Ion: 64 Resp: 259221

Ion Ratio Lower Upper

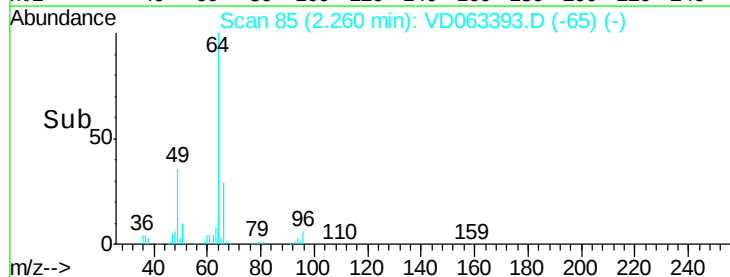
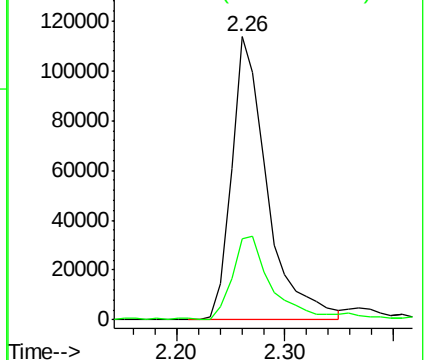
64 100

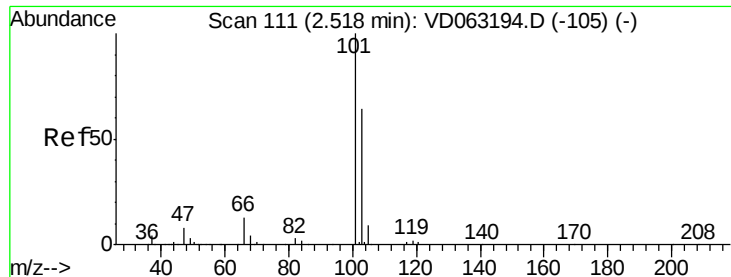
66 28.7 22.2 33.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



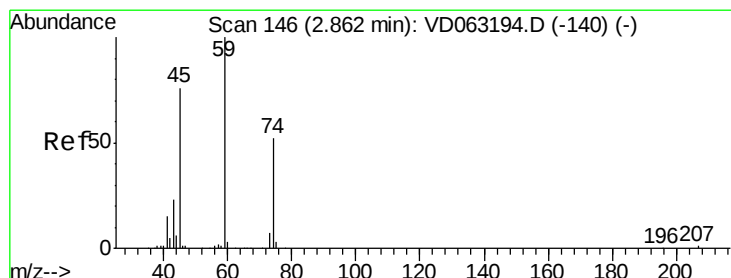
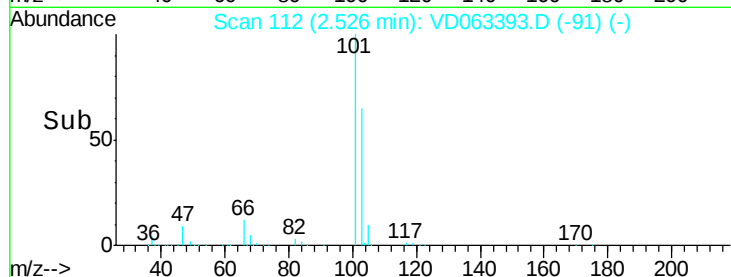
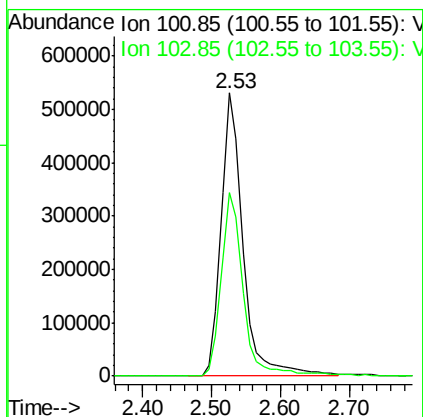
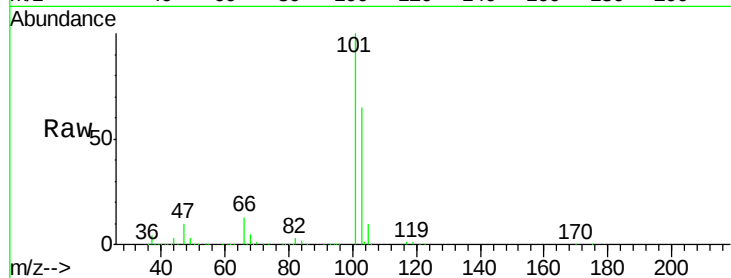


#7

Trichlorofluoromethane
Concen: 54.882 ug/l
RT: 2.53 min Scan# 112
Delta R.T. 0.01 min
Lab File: VD063393.D
Acq: 6 Aug 2019 12:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

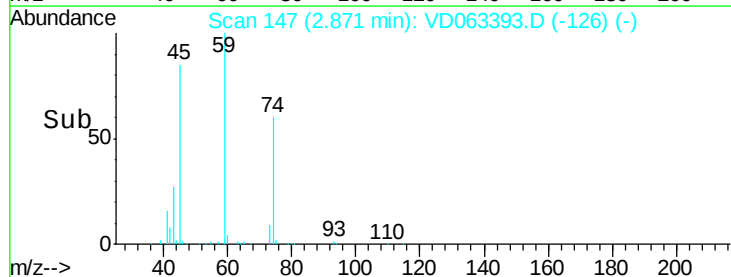
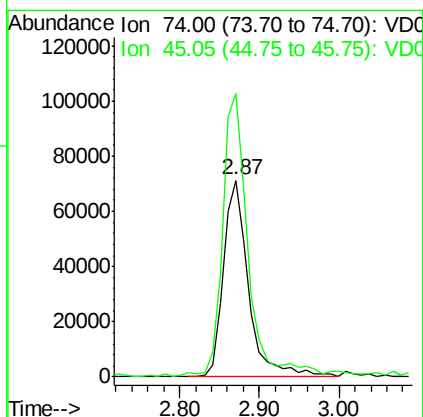
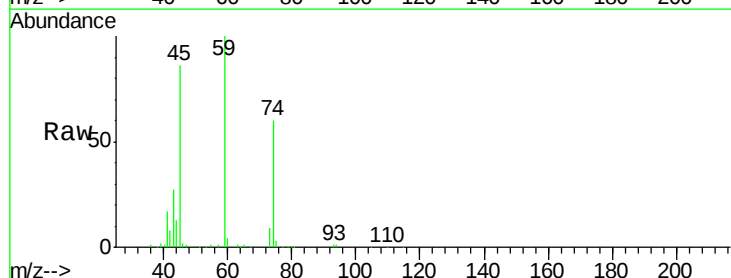
Tot Ion:101 Resp: 1177876
Ion Ratio Lower Upper
101 100
103 64.9 51.5 77.3

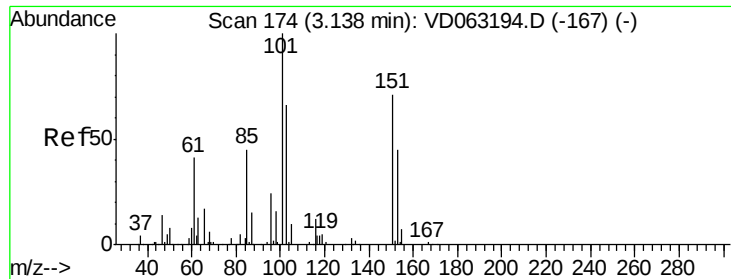


#8

Diethyl Ether
Concen: 52.892 ug/l
RT: 2.87 min Scan# 147
Delta R.T. 0.01 min
Lab File: VD063393.D
Acq: 6 Aug 2019 12:18

Tgt Ion: 74 Resp: 158869
Ion Ratio Lower Upper
74 100
45 144.1 73.6 220.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.771 ug/l

RT: 3.15 min Scan# 175

Delta R.T. 0.01 min

Lab File: VD063393.D

Acq: 6 Aug 2019 12:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

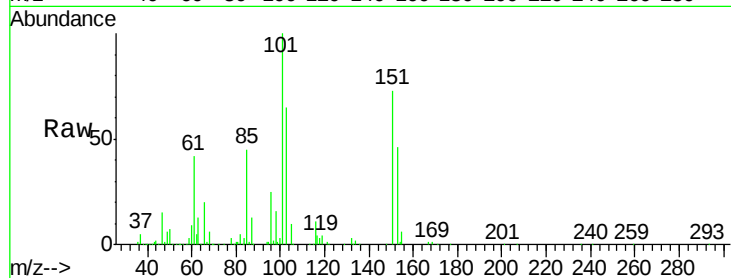
Tot Ion:101 Resp: 639250

Ion Ratio Lower Upper

101 100

85 45.2 36.1 54.1

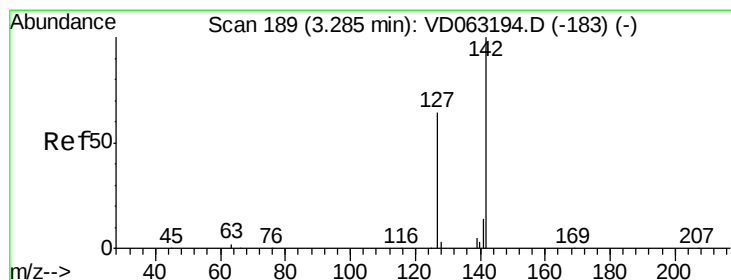
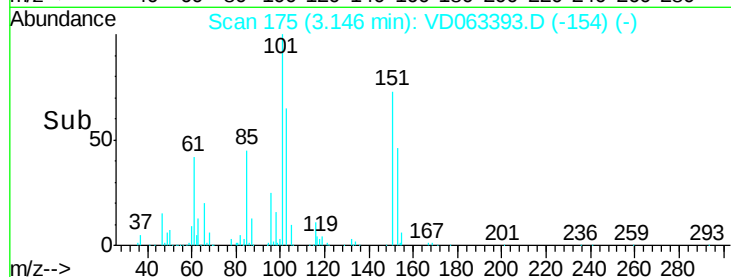
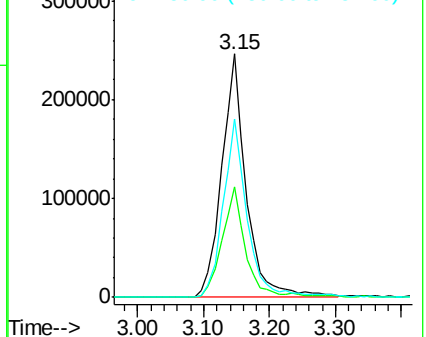
151 73.5 57.1 85.7



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: 51.269 ug/l

RT: 3.30 min Scan# 191

Delta R.T. 0.02 min

Lab File: VD063393.D

Acq: 6 Aug 2019 12:18

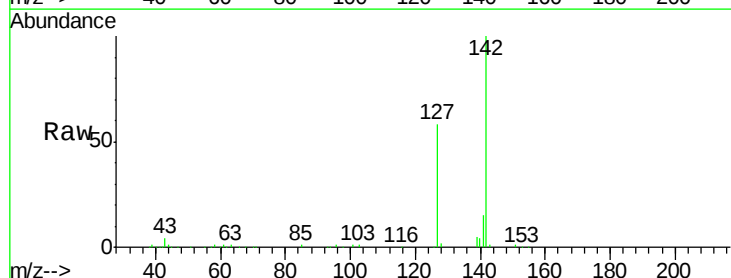
Tgt Ion:142 Resp: 880516

Ion Ratio Lower Upper

142 100

127 58.1 50.8 76.2

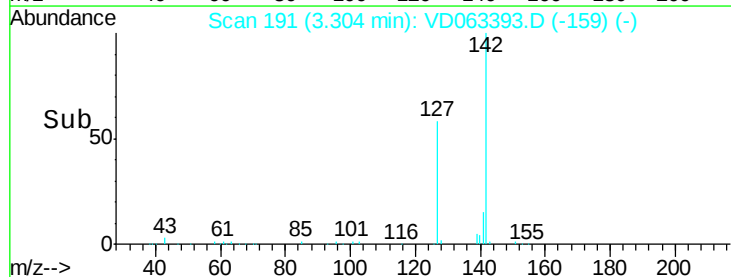
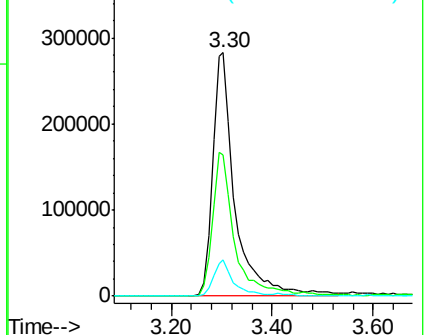
141 14.8 11.4 17.2

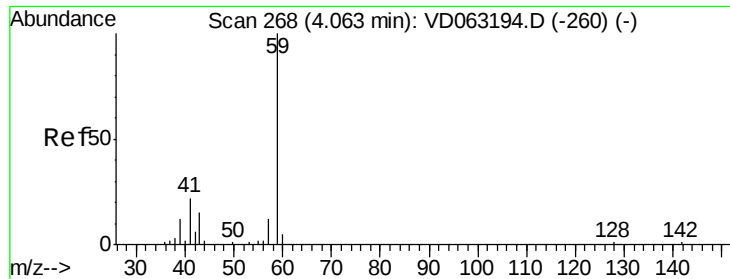


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



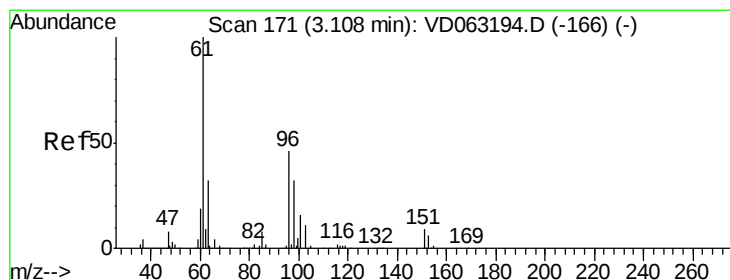
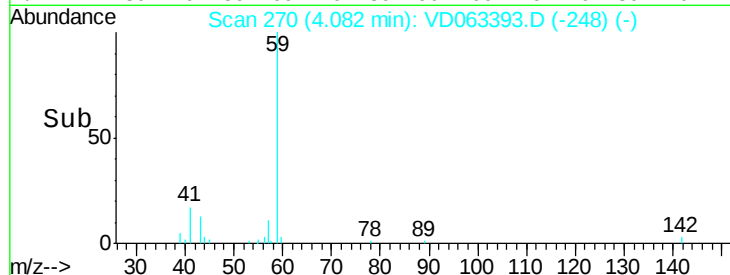
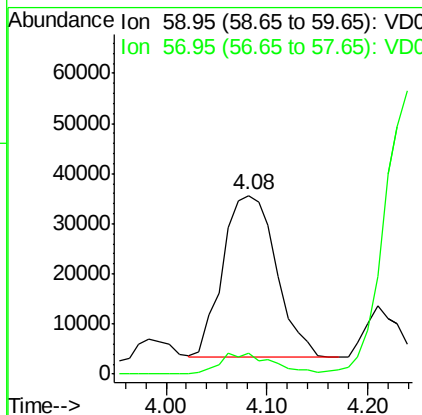
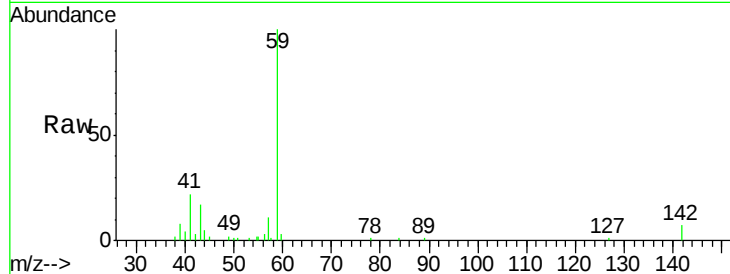


#11

Tert butyl alcohol
Concen: 216.379 ug/l
RT: 4.08 min Scan# 270
Delta R.T. 0.02 min
Lab File: VD063393.D
Acq: 6 Aug 2019 12:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

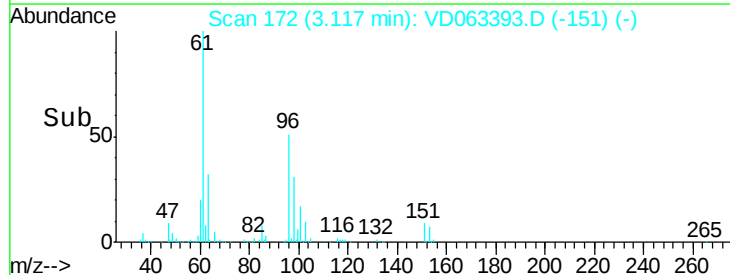
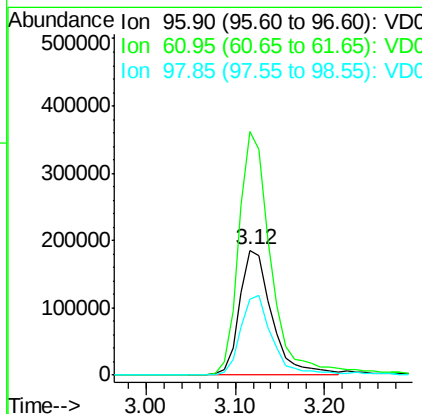
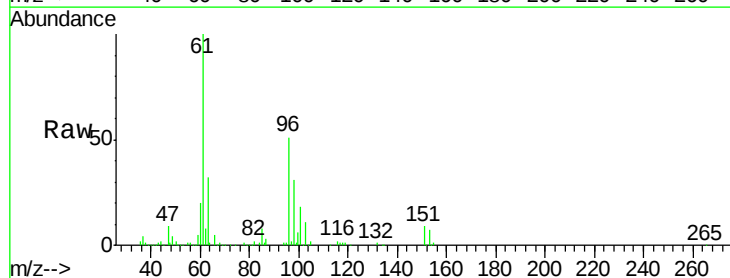
Tot Ion: 59 Resp: 118559
Ion Ratio Lower Upper
59 100
57 11.4 9.6 14.4

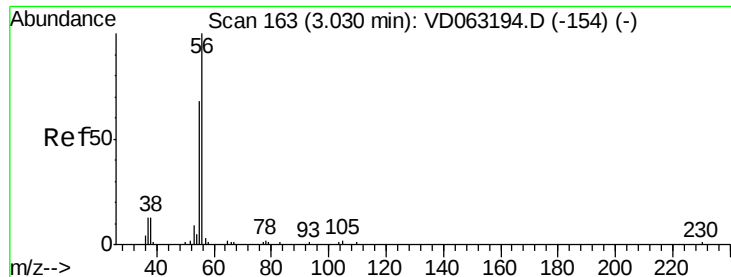


#12

1,1-Dichloroethene
Concen: 53.573 ug/l
RT: 3.12 min Scan# 172
Delta R.T. 0.01 min
Lab File: VD063393.D
Acq: 6 Aug 2019 12:18

Tgt Ion: 96 Resp: 467569
Ion Ratio Lower Upper
96 100
61 195.3 173.7 260.5
98 60.7 55.8 83.8





#13

Acrolein

Concen: 224.909 ug/l

RT: 3.03 min Scan# 163

Delta R.T. -0.00 min

Lab File: VD063393.D

Acq: 6 Aug 2019 12:18

Instrument :

MSVOA_D

ClientSampleId :

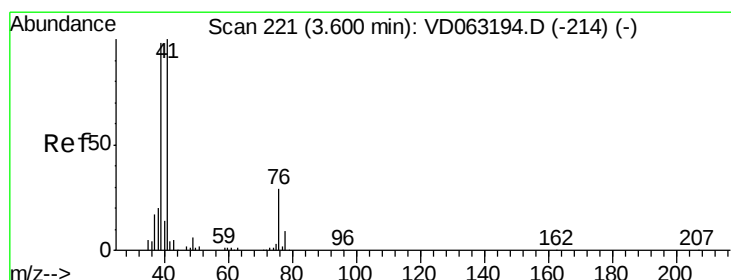
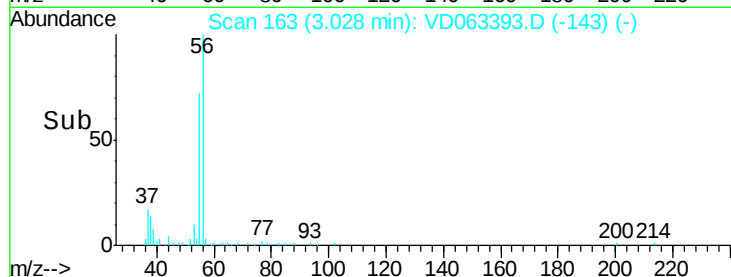
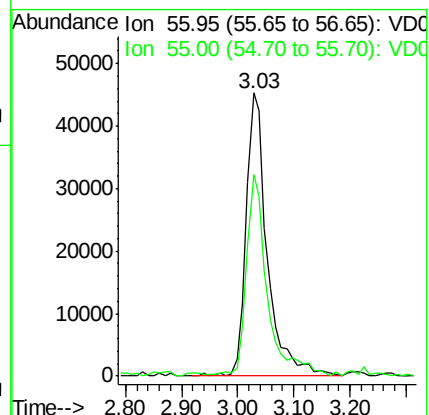
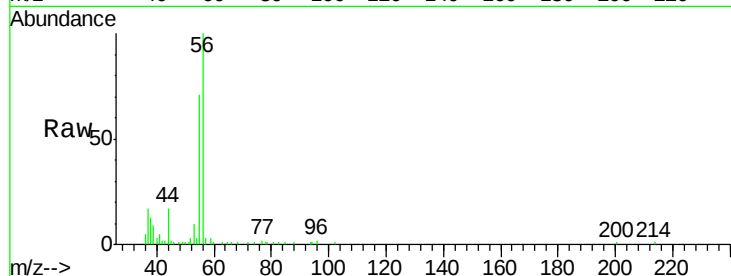
VSTDCCC050

Tot Ion: 56 Resp: 118600

Ion Ratio Lower Upper

56 100

55 71.4 55.3 82.9



#14

Allyl chloride

Concen: 52.162 ug/l

RT: 3.62 min Scan# 223

Delta R.T. 0.02 min

Lab File: VD063393.D

Acq: 6 Aug 2019 12:18

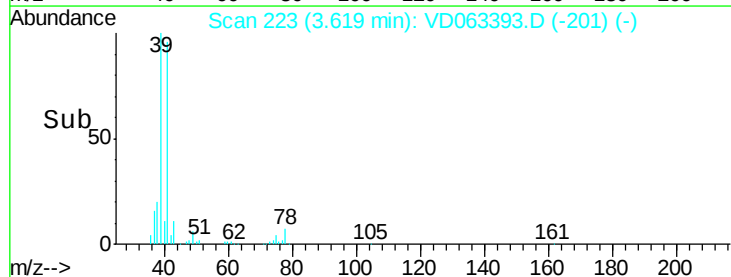
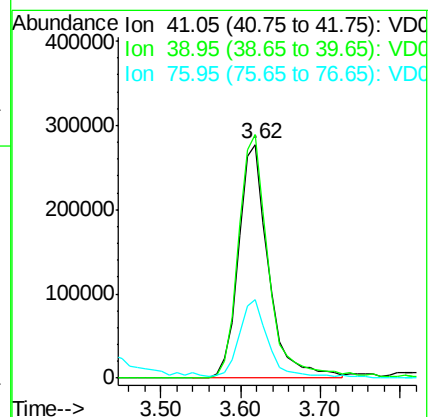
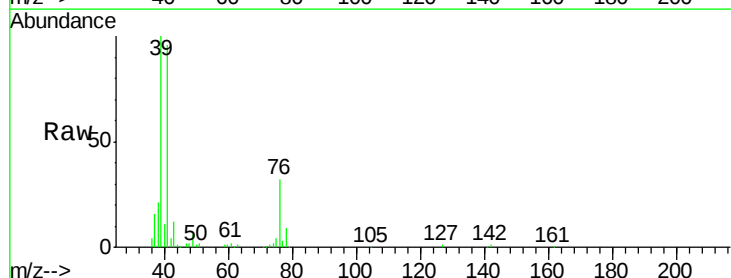
Tgt Ion: 41 Resp: 725239

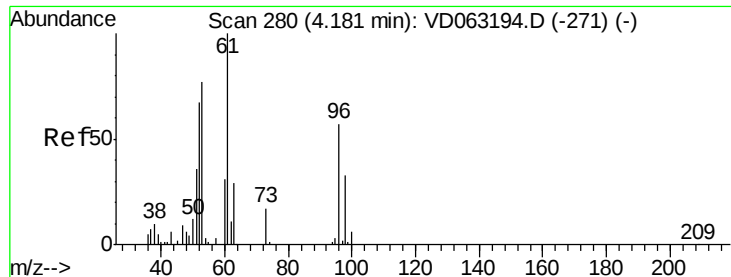
Ion Ratio Lower Upper

41 100

39 104.1 78.6 117.8

76 33.7 24.5 36.7





#15

Acrylonitrile

Concen: 266.685 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.02 min

Lab File: VD063393.D

Acq: 6 Aug 2019 12:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

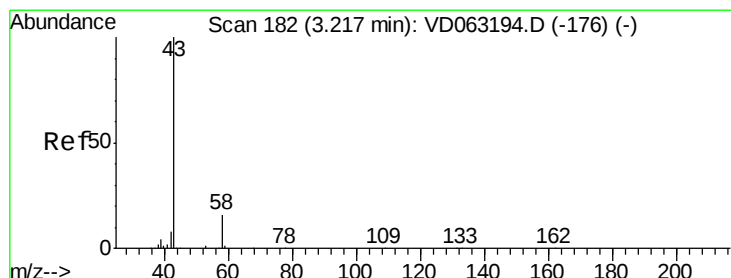
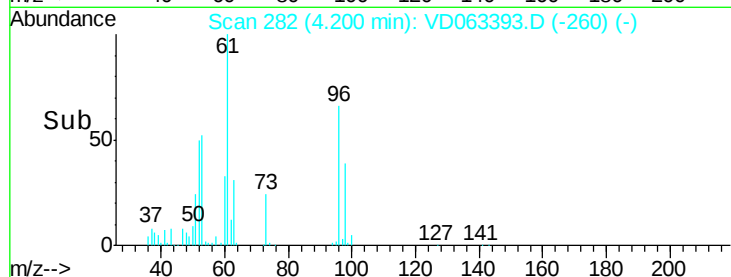
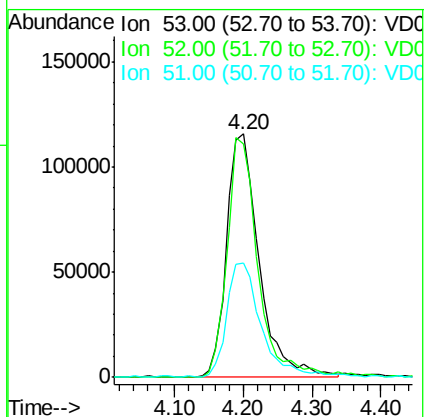
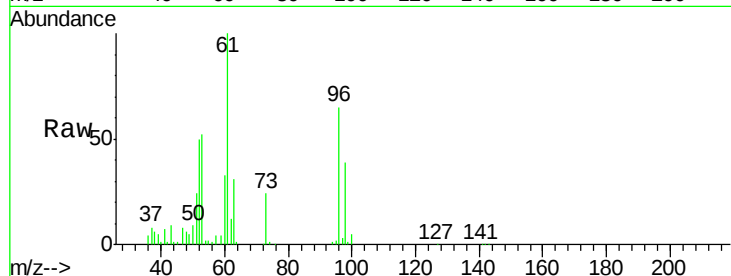
Tot Ion: 53 Resp: 378836

Ion Ratio Lower Upper

53 100

52 95.7 69.7 104.5

51 46.9 37.4 56.0



#16

Acetone

Concen: 296.757 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.01 min

Lab File: VD063393.D

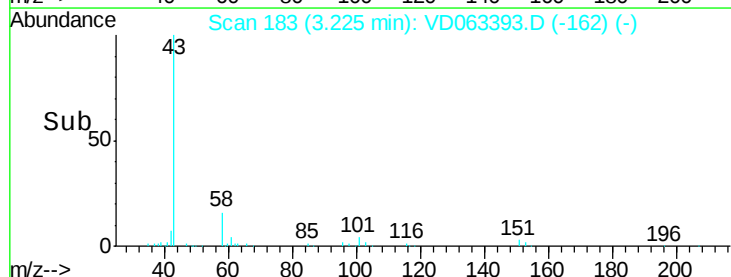
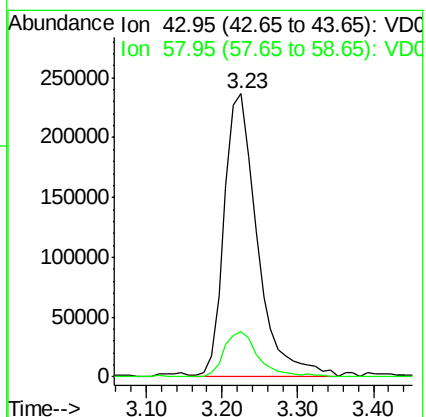
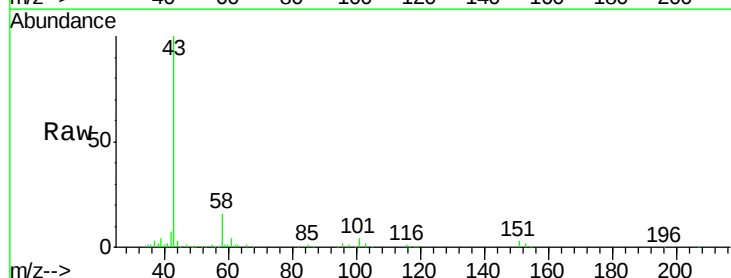
Acq: 6 Aug 2019 12:18

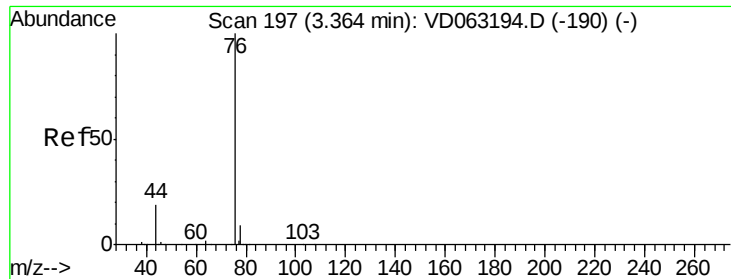
Tgt Ion: 43 Resp: 721910

Ion Ratio Lower Upper

43 100

58 16.2 13.0 19.4

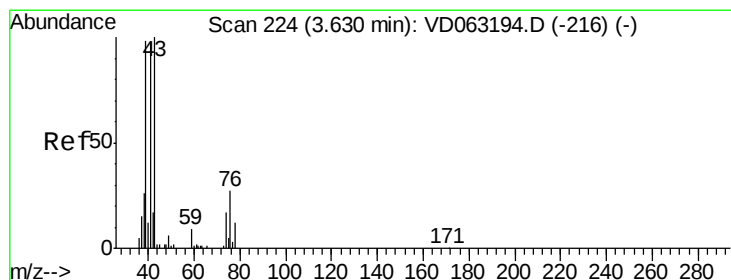
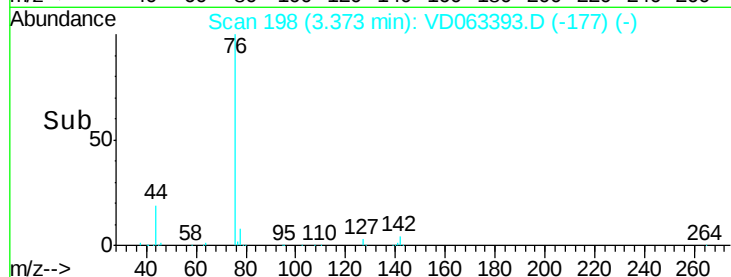
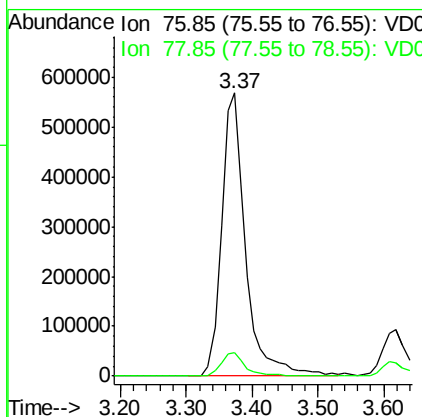
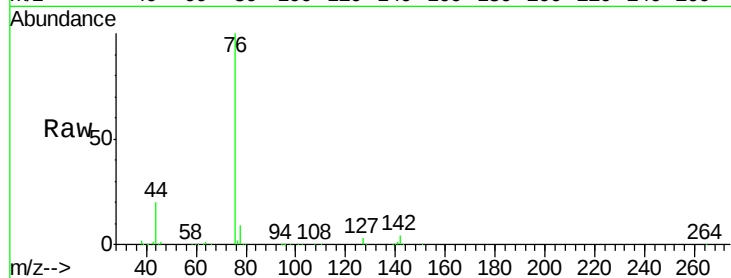




#17
Carbon Disulfide
Concen: 49.382 ug/l
RT: 3.37 min Scan# 198
Delta R.T. 0.01 min
Lab File: VD063393.D
Acq: 6 Aug 2019 12:18

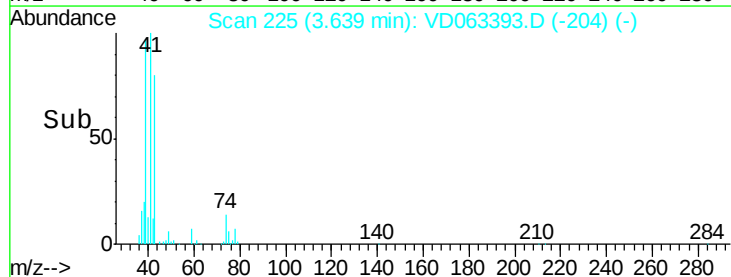
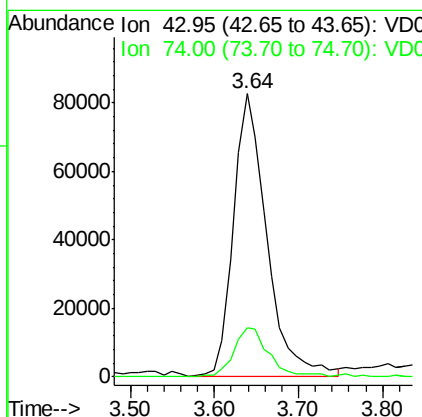
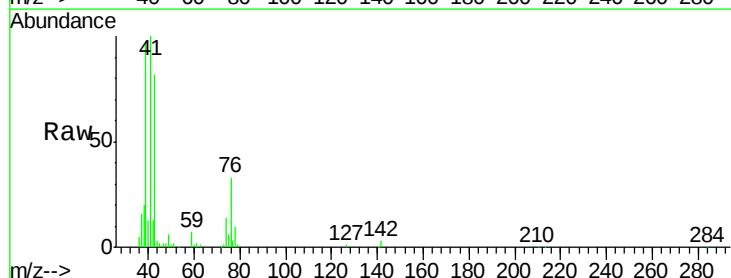
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

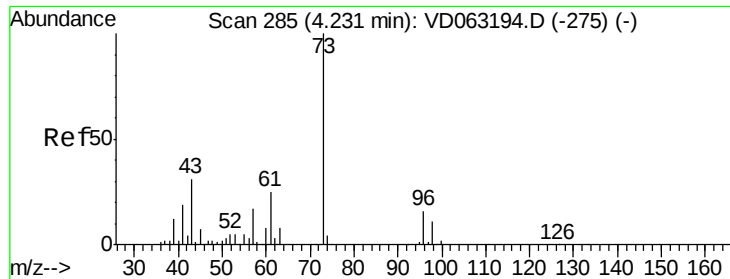
Tot Ion: 76 Resp: 1442558
Ion Ratio Lower Upper
76 100
78 8.5 7.4 11.2



#18
Methyl Acetate
Concen: 49.060 ug/l
RT: 3.64 min Scan# 225
Delta R.T. 0.01 min
Lab File: VD063393.D
Acq: 6 Aug 2019 12:18

Tgt Ion: 43 Resp: 229245
Ion Ratio Lower Upper
43 100
74 17.5 13.8 20.8

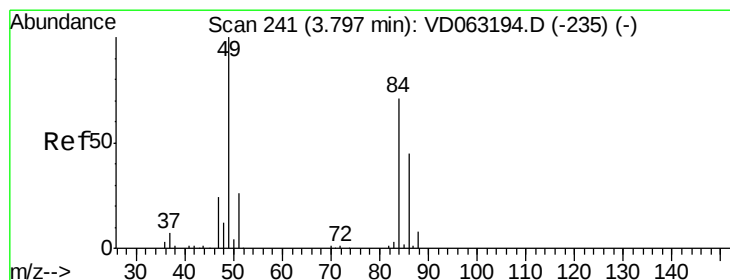
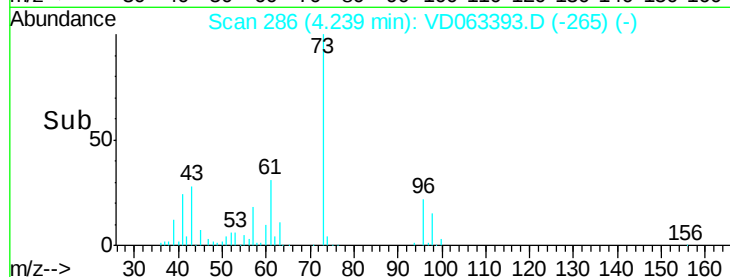
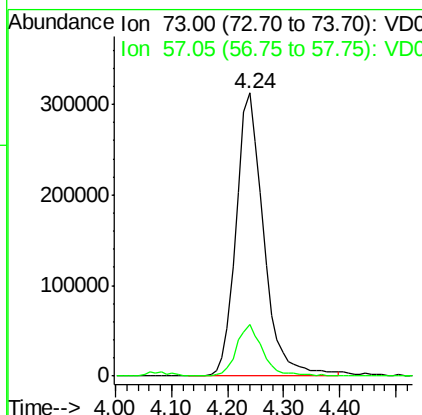
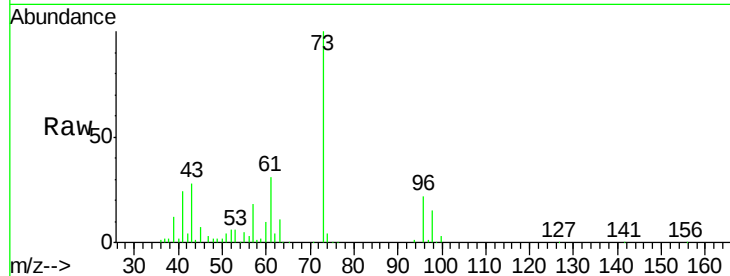




#19
Methvl tert-butvl Ether
Concen: 54.173 ug/l
RT: 4.24 min Scan# 286
Delta R.T. 0.01 min
Lab File: VD063393.D
Acq: 6 Aug 2019 12:18

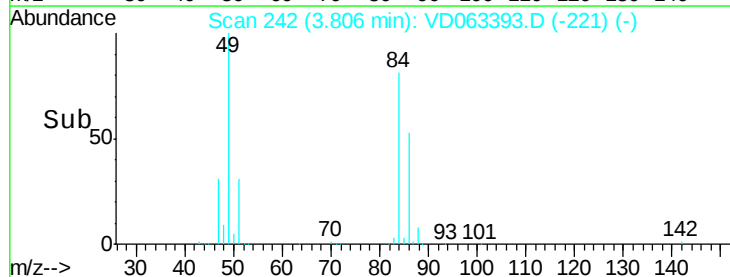
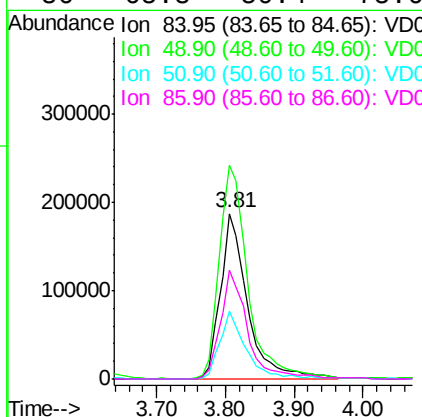
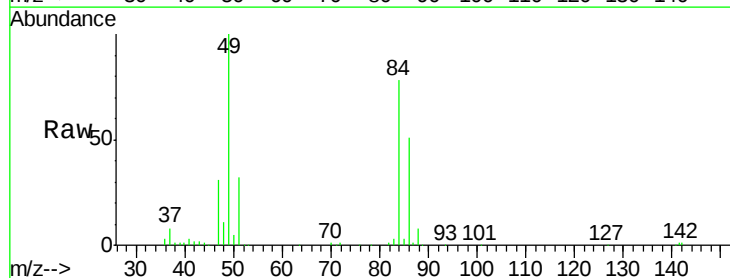
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

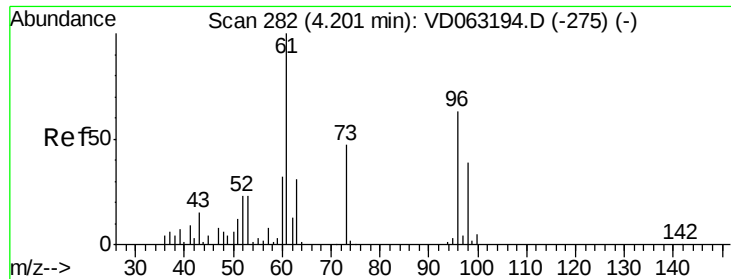
Tot Ion: 73 Resp: 1068012
Ion Ratio Lower Upper
73 100
57 18.1 13.8 20.6



#20
Methylene Chloride
Concen: 52.264 ug/l
RT: 3.81 min Scan# 242
Delta R.T. 0.01 min
Lab File: VD063393.D
Acq: 6 Aug 2019 12:18

Tgt Ion: 84 Resp: 513922
Ion Ratio Lower Upper
84 100
49 128.9 112.5 168.7
51 41.2 29.6 44.4
86 65.8 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 55.277 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.01 min

Lab File: VD063393.D

Acq: 6 Aug 2019 12:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

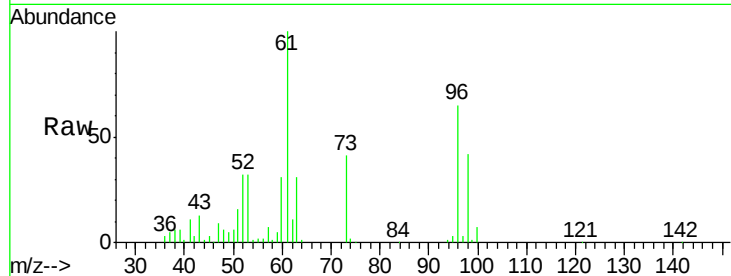
Tot Ion: 96 Resp: 541317

Ion Ratio Lower Upper

96 100

61 153.4 127.4 191.2

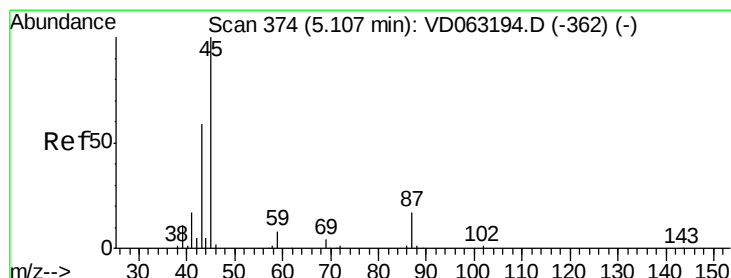
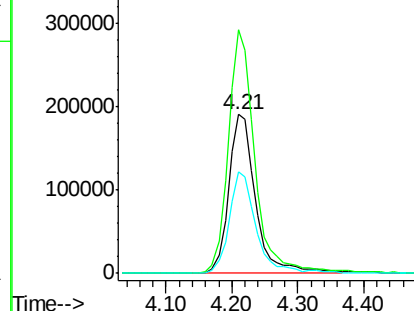
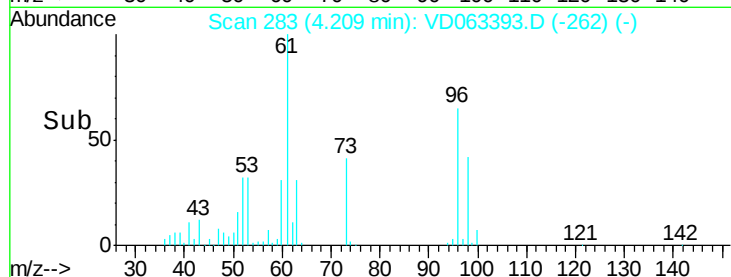
98 63.9 49.3 73.9



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: 51.022 ug/l

RT: 5.13 min Scan# 376

Delta R.T. 0.02 min

Lab File: VD063393.D

Acq: 6 Aug 2019 12:18

Tgt Ion: 45 Resp: 1417285

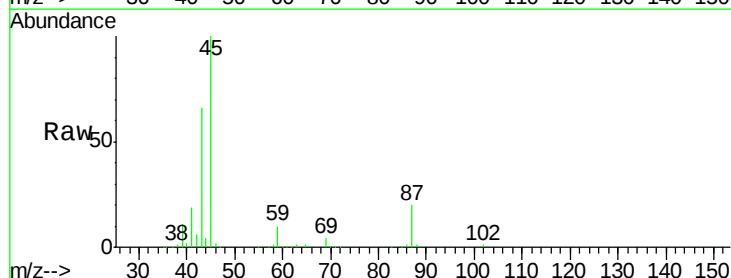
Ion Ratio Lower Upper

45 100

43 65.5 51.7 77.5

87 19.8 14.6 21.8

59 9.8 6.6 10.0

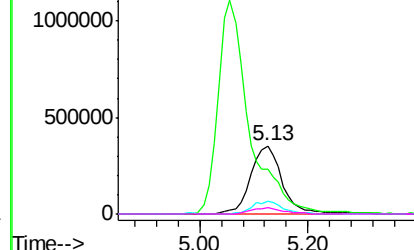
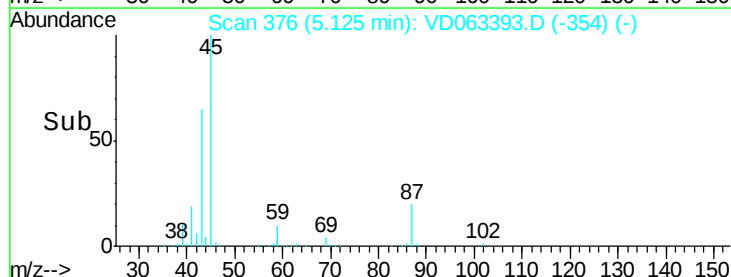


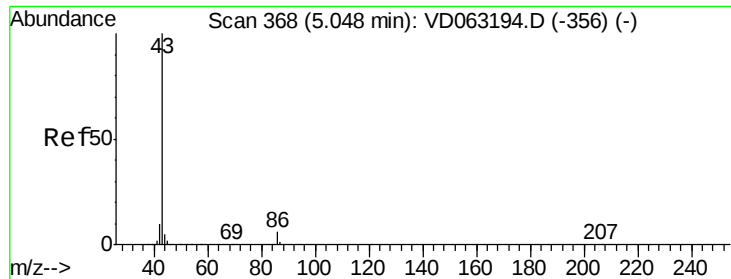
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 258.297 ug/l

RT: 5.06 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD063393.D

Acq: 6 Aug 2019 12:18

Instrument :

MSVOA_D

ClientSampleId :

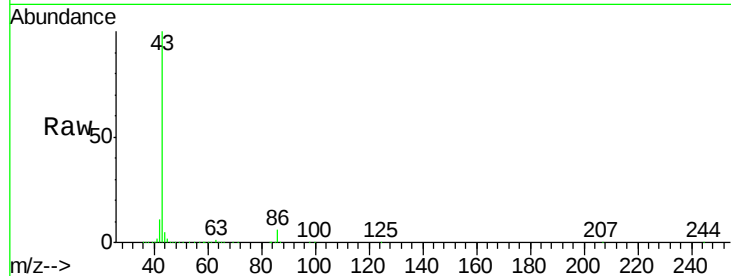
VSTDCCC050

Tot Ion: 43 Resp: 4410431

Ion Ratio Lower Upper

43 100

86 5.6 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

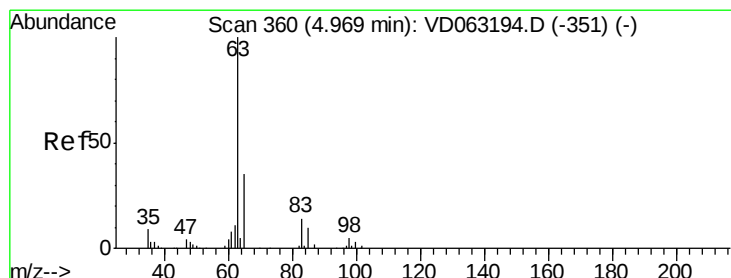
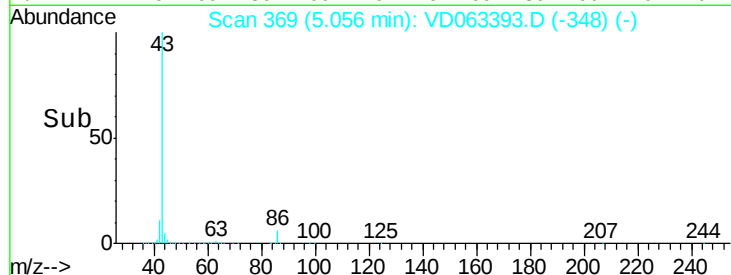
200000

0

Time-->

4.90 5.00 5.10 5.20 5.30

5.06



#24

1,1-Dichloroethane

Concen: 52.193 ug/l

RT: 4.98 min Scan# 361

Delta R.T. 0.01 min

Lab File: VD063393.D

Acq: 6 Aug 2019 12:18

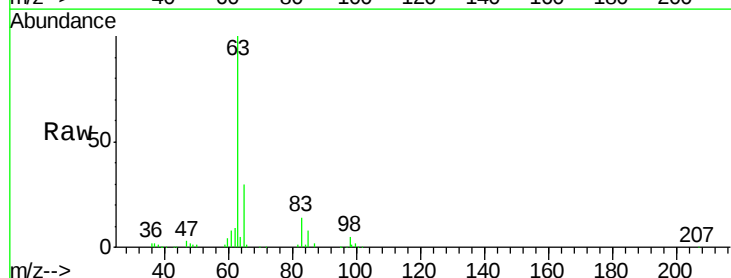
Tgt Ion: 63 Resp: 926063

Ion Ratio Lower Upper

63 100

98 5.4 2.8 8.4

100 2.2 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

200000

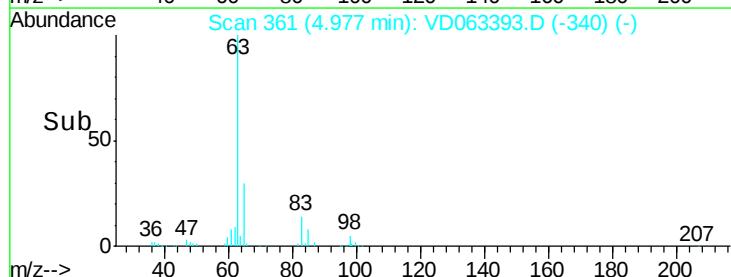
100000

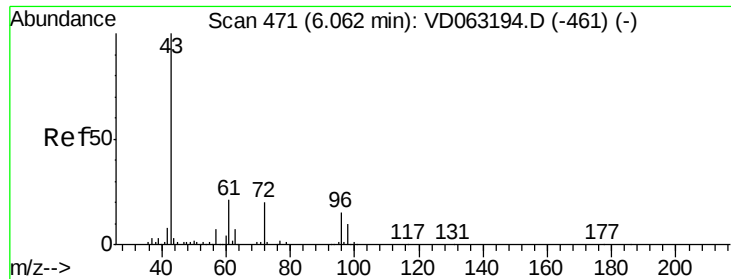
0

Time-->

4.80 4.90 5.00 5.10 5.20

4.98





#25

2-Butanone

Concen: 271.849 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.02 min

Lab File: VD063393.D

Acq: 6 Aug 2019 12:18

Instrument :

MSVOA_D

ClientSampleId :

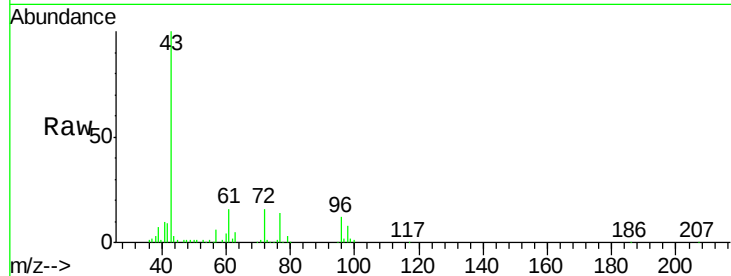
VSTDCCC050

Tot Ion: 43 Resp: 663687

Ion Ratio Lower Upper

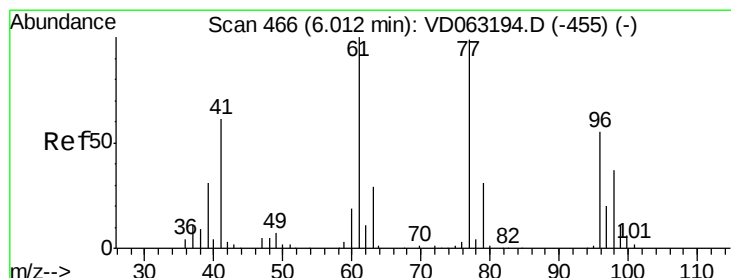
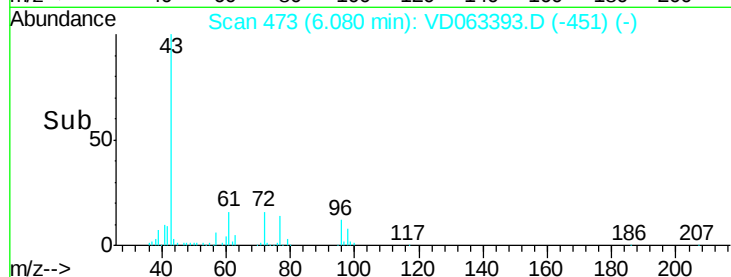
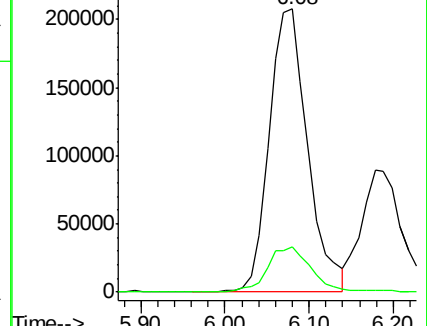
43 100

72 16.0 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: 56.585 ug/l

RT: 6.02 min Scan# 467

Delta R.T. 0.01 min

Lab File: VD063393.D

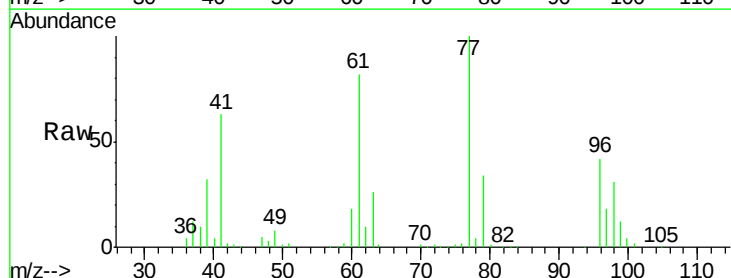
Acq: 6 Aug 2019 12:18

Tgt Ion: 77 Resp: 1034665

Ion Ratio Lower Upper

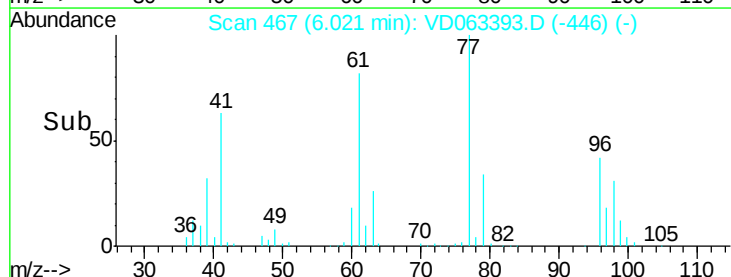
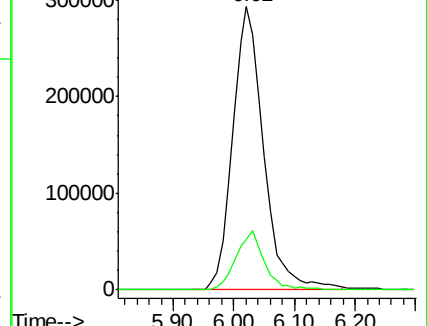
77 100

97 18.0 10.2 30.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



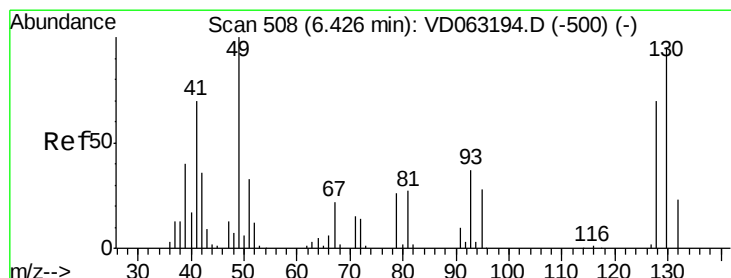
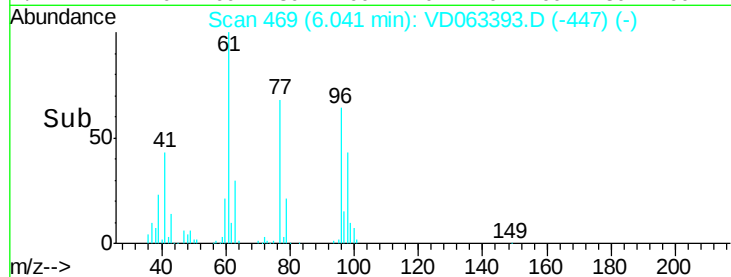
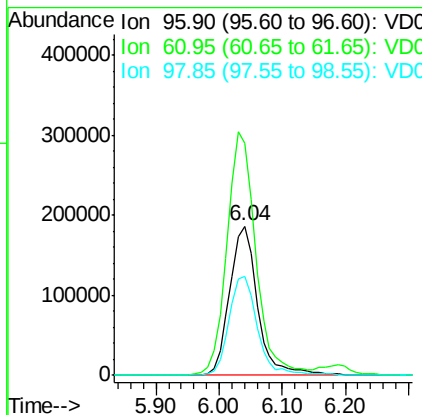
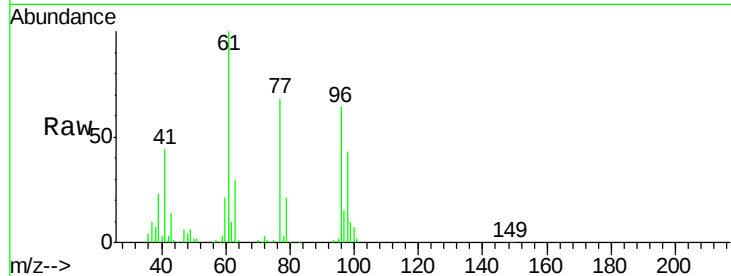


#27

cis-1,2-Dichloroethene
 Concen: 54.581 ug/l
 RT: 6.04 min Scan# 469
 Delta R.T. 0.02 min
 Lab File: VD063393.D
 Acq: 6 Aug 2019 12:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

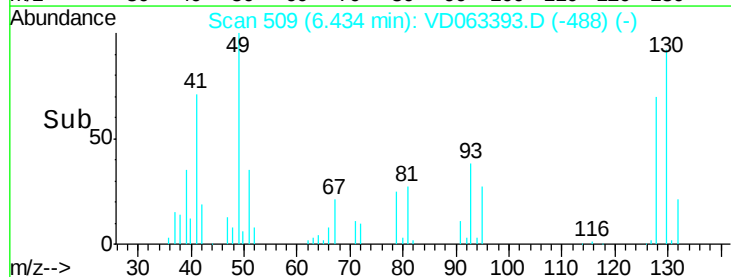
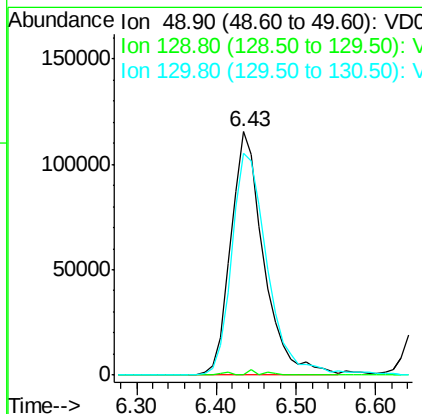
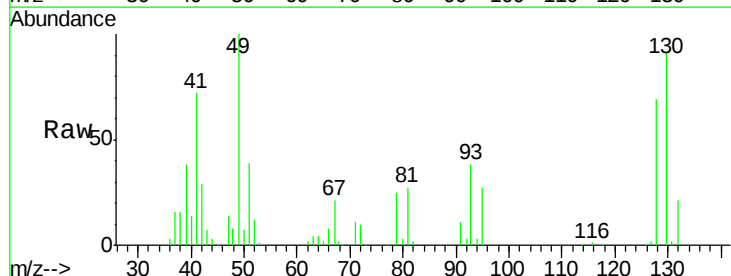
Tot Ion: 96 Resp: 573061
 Ion Ratio Lower Upper
 96 100
 61 155.4 0.0 337.2
 98 66.6 0.0 130.6

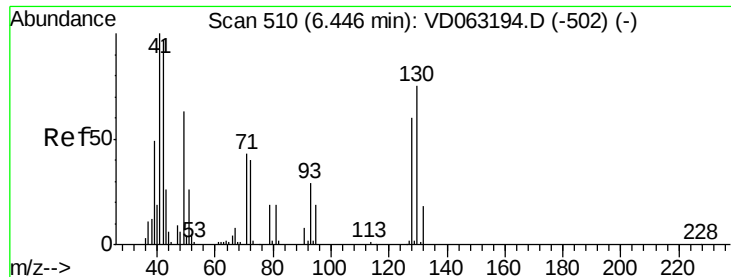


#28

Bromochloromethane
 Concen: 47.122 ug/l
 RT: 6.43 min Scan# 509
 Delta R.T. 0.01 min
 Lab File: VD063393.D
 Acq: 6 Aug 2019 12:18

Tgt Ion: 49 Resp: 333126
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 0.0
 130 91.3 75.7 113.5

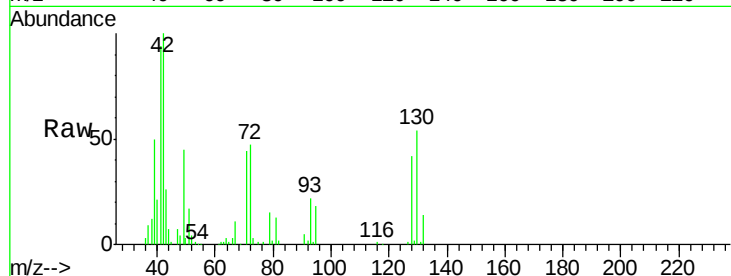




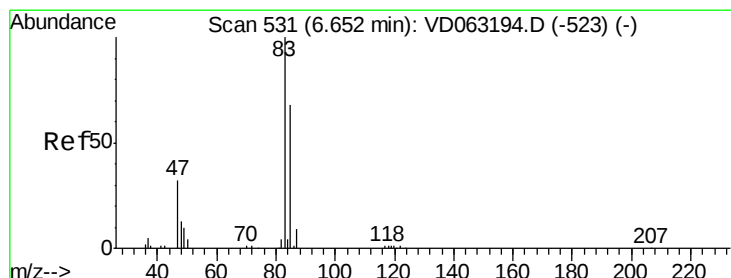
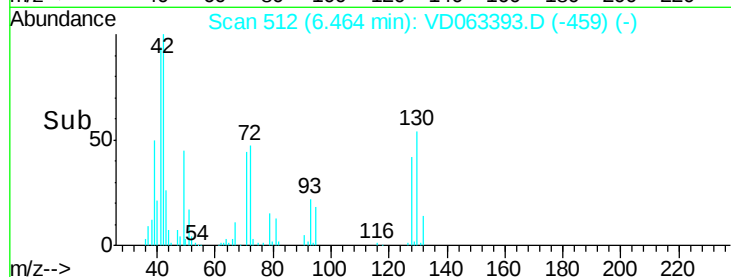
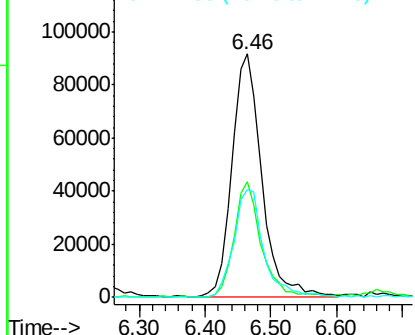
#29
Tetrahydrofuran
Concen: 253.722 ug/l
RT: 6.46 min Scan# 512
Delta R.T. 0.02 min
Lab File: VD063393.D
Acq: 6 Aug 2019 12:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 42 Resp: 293270
Ion Ratio Lower Upper
42 100
72 43.1 33.4 50.2
71 44.8 35.7 53.5

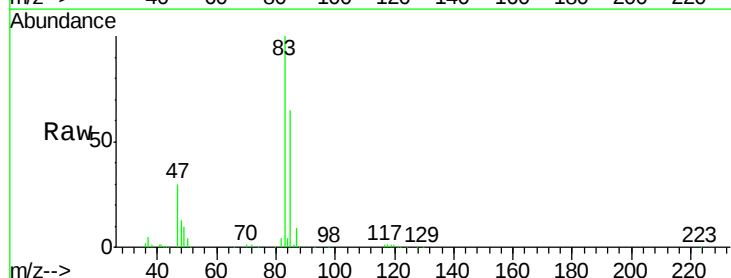


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

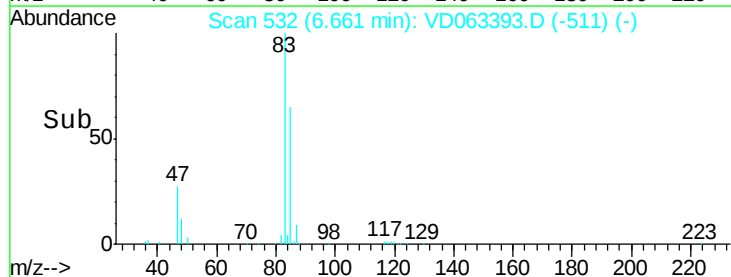
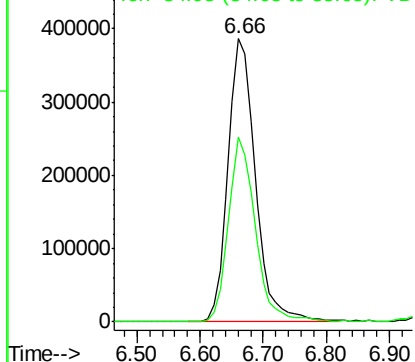


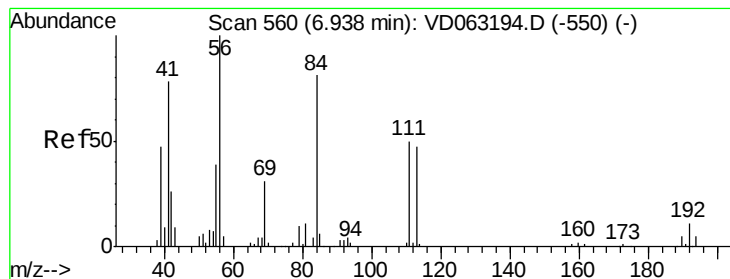
#30
Chloroform
Concen: 52.763 ug/l
RT: 6.66 min Scan# 532
Delta R.T. 0.01 min
Lab File: VD063393.D
Acq: 6 Aug 2019 12:18

Tgt Ion: 83 Resp: 1161804
Ion Ratio Lower Upper
83 100
85 65.4 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: 53.059 ug/l

RT: 6.96 min Scan# 562

Delta R.T. 0.02 min

Lab File: VD063393.D

Acq: 6 Aug 2019 12:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

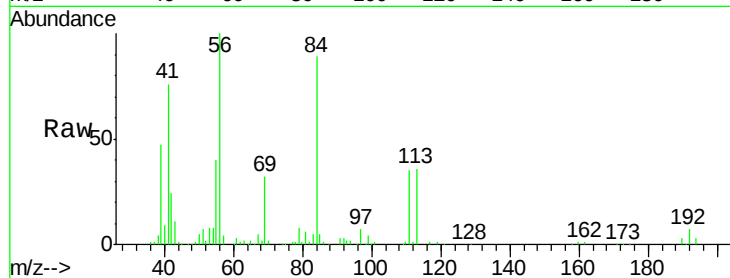
Tot Ion: 56 Resp: 590096

Ion Ratio Lower Upper

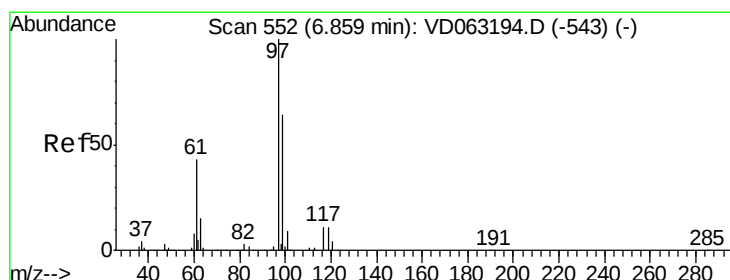
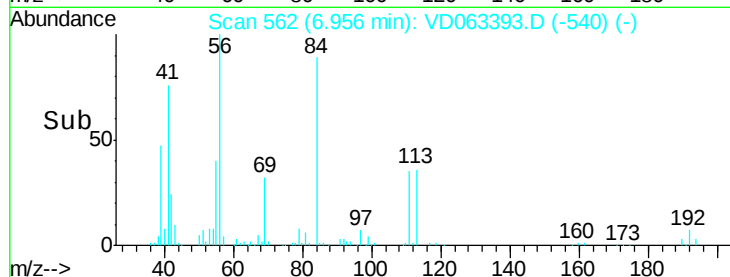
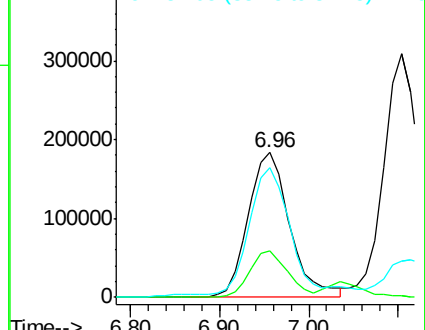
56 100

69 32.3 24.5 36.7

84 89.1 64.9 97.3



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 56.158 ug/l

RT: 6.87 min Scan# 553

Delta R.T. 0.01 min

Lab File: VD063393.D

Acq: 6 Aug 2019 12:18

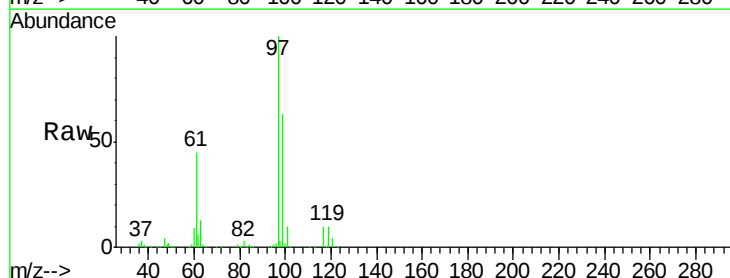
Tgt Ion: 97 Resp: 1196096

Ion Ratio Lower Upper

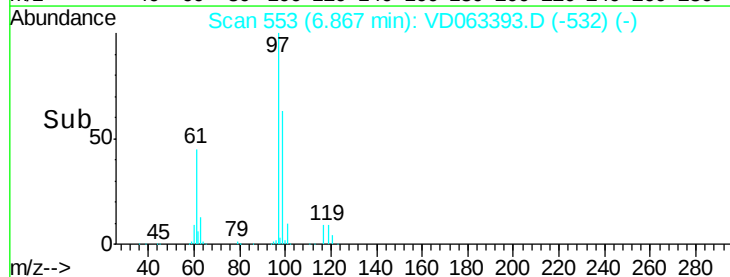
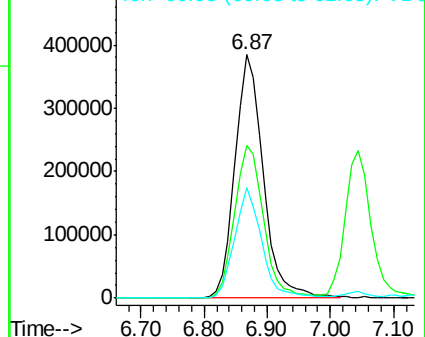
97 100

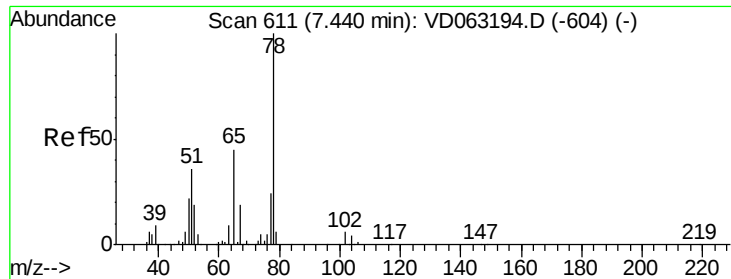
99 62.6 51.2 76.8

61 45.3 34.2 51.2



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 49.684 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD063393.D

Acq: 6 Aug 2019 12:18

Instrument :

MSVOA_D

ClientSampleId :

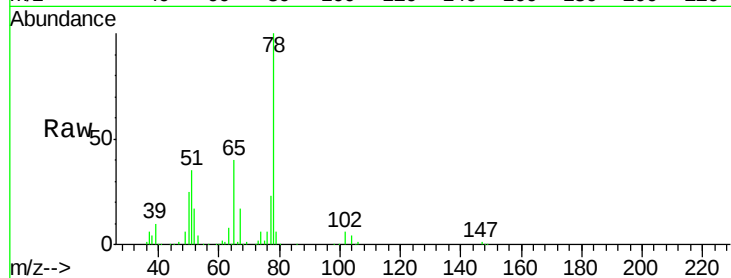
VSTDCCC050

Tot Ion: 65 Resp: 620333

Ion Ratio Lower Upper

65 100

67 42.3 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.45

250000

200000

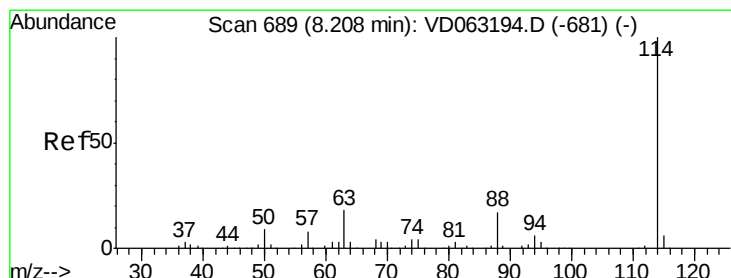
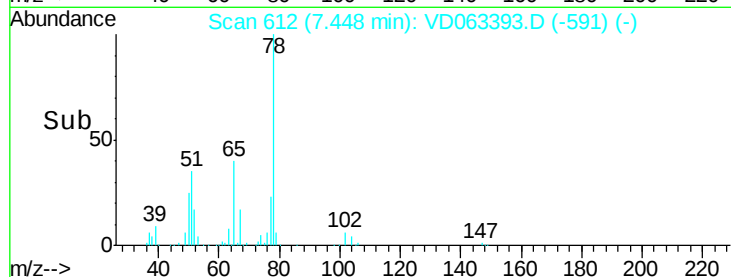
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. 0.01 min

Lab File: VD063393.D

Acq: 6 Aug 2019 12:18

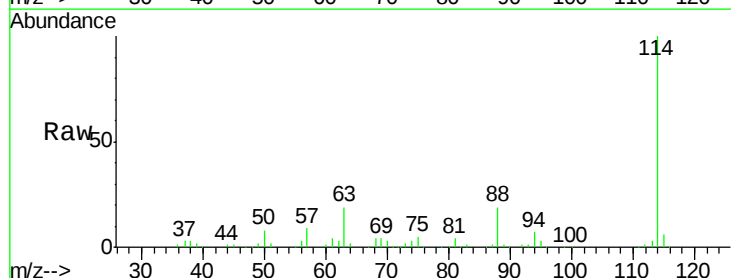
Tgt Ion: 114 Resp: 1446392

Ion Ratio Lower Upper

114 100

63 19.1 0.0 35.2

88 18.8 0.0 34.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.22

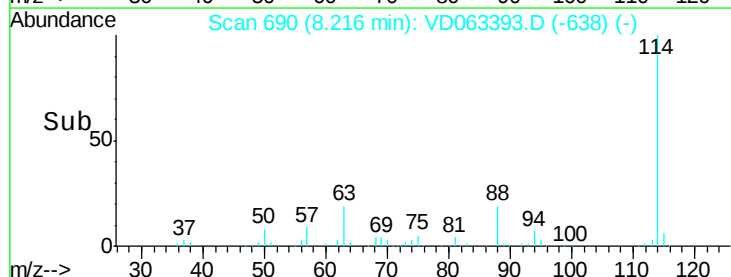
600000

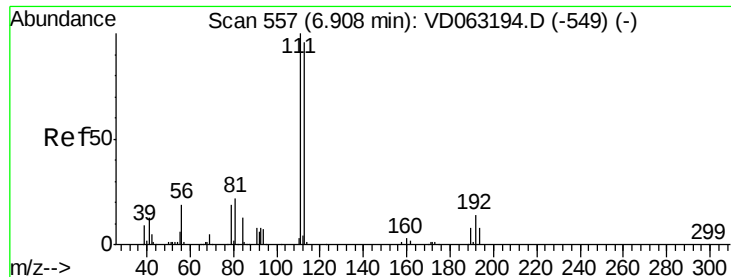
400000

200000

0

Time-->





#35

Dibromofluoromethane

Concen: 54.164 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.02 min

Lab File: VD063393.D

Acq: 6 Aug 2019 12:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

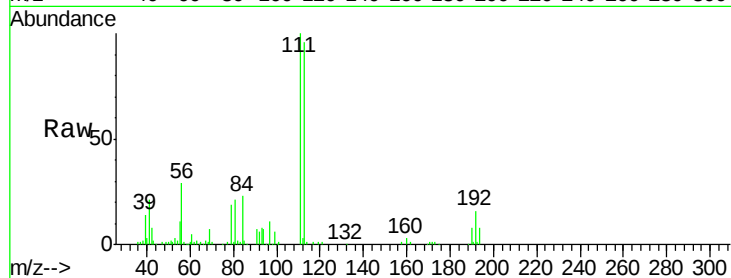
Tot Ion:113 Resp: 668875

Ion Ratio Lower Upper

113 100

111 104.2 83.2 124.8

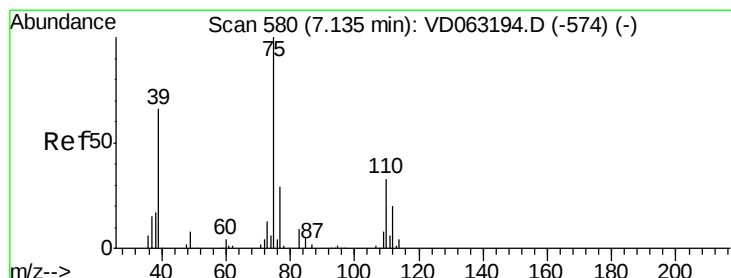
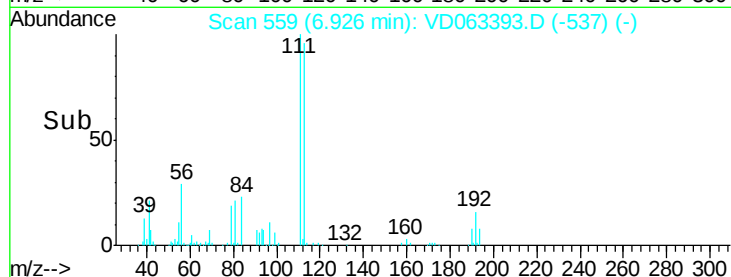
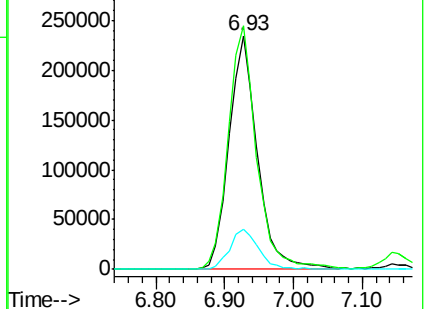
192 17.2 11.8 17.8



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 59.208 ug/l

RT: 7.14 min Scan# 581

Delta R.T. 0.01 min

Lab File: VD063393.D

Acq: 6 Aug 2019 12:18

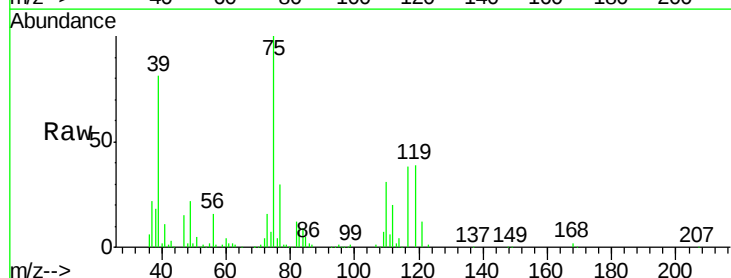
Tgt Ion: 75 Resp: 781558

Ion Ratio Lower Upper

75 100

110 30.9 16.1 48.2

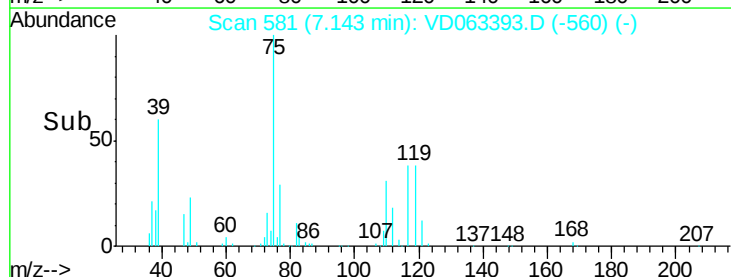
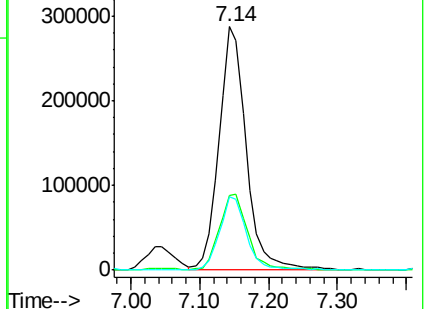
77 29.9 22.7 34.1

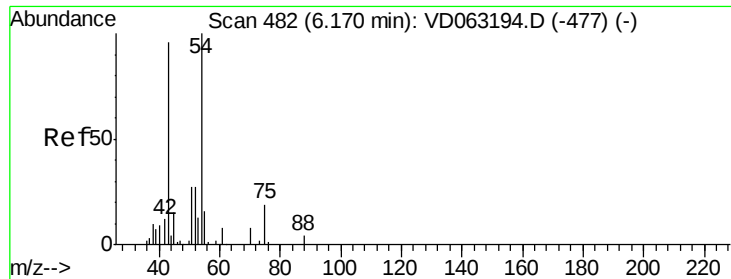


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

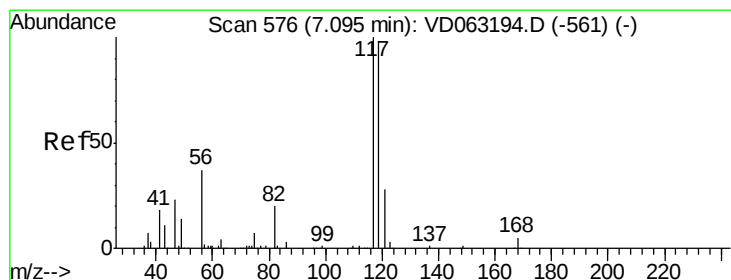
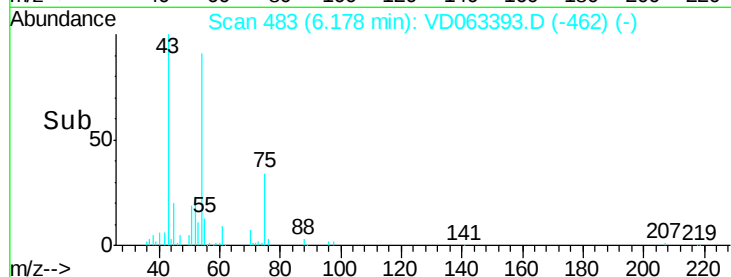
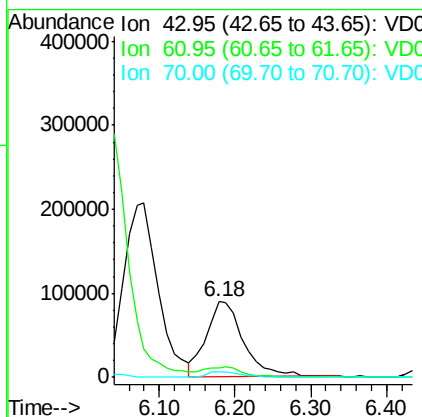
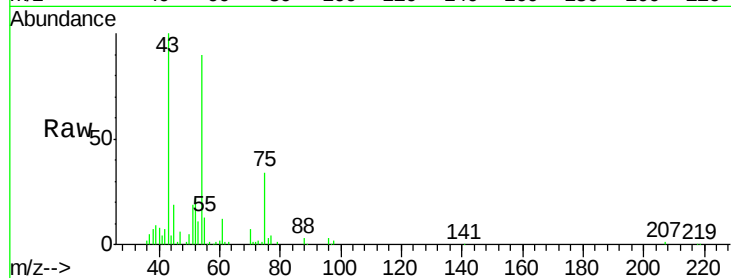




#37
Ethyl Acetate
Concen: 50.926 ug/l
RT: 6.18 min Scan# 483
Delta R.T. 0.01 min
Lab File: VD063393.D
Acq: 6 Aug 2019 12:18

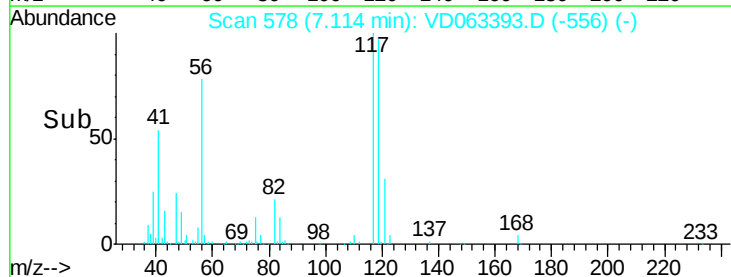
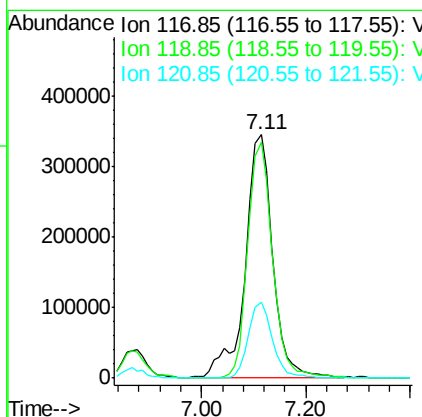
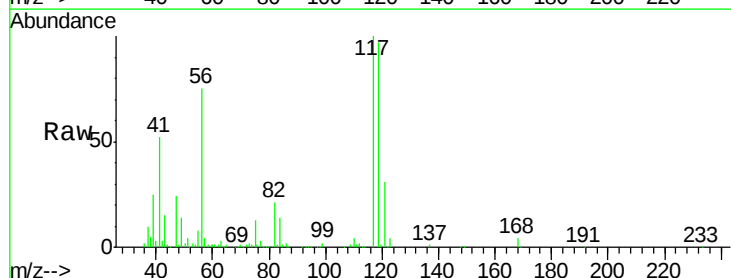
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

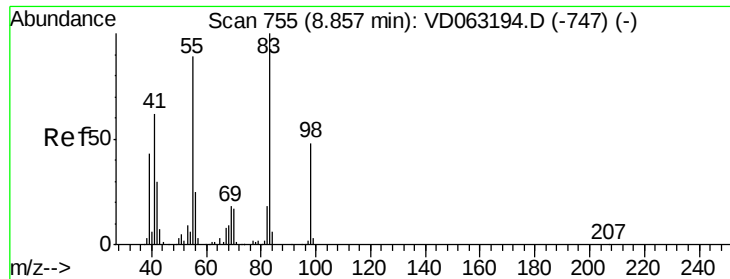
Tot Ion: 43 Resp: 302009
Ion Ratio Lower Upper
43 100
61 12.2 11.3 16.9
70 6.7 5.1 7.7



#38
Carbon Tetrachloride
Concen: 60.910 ug/l
RT: 7.11 min Scan# 578
Delta R.T. 0.02 min
Lab File: VD063393.D
Acq: 6 Aug 2019 12:18

Tgt Ion: 117 Resp: 1210421
Ion Ratio Lower Upper
117 100
119 97.0 78.2 117.2
121 31.2 22.1 33.1

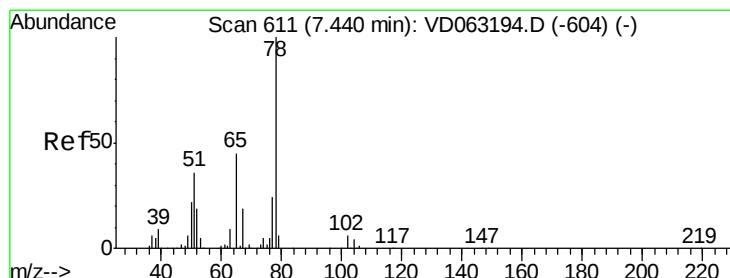
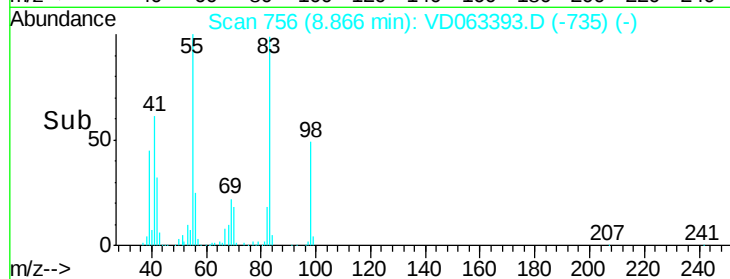
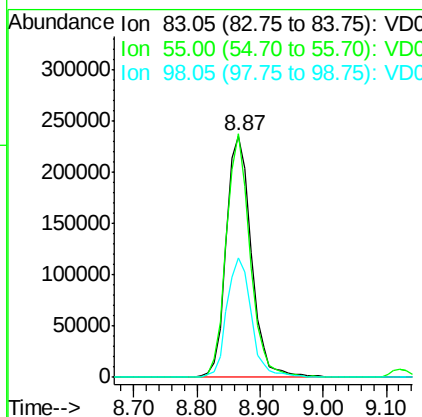
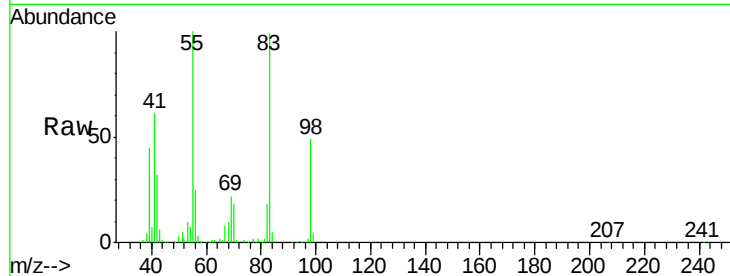




#39
Methylvlcvclohexane
Concen: 58.841 ug/l
RT: 8.87 min Scan# 756
Delta R.T. 0.01 min
Lab File: VD063393.D
Acq: 6 Aug 2019 12:18

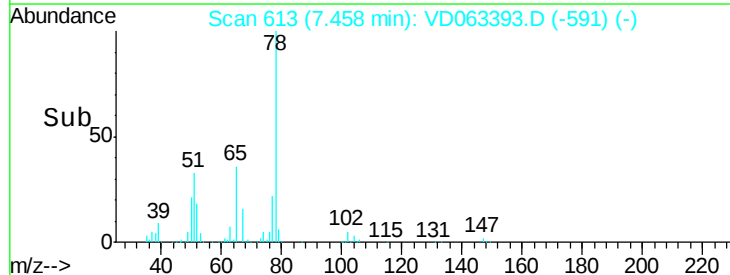
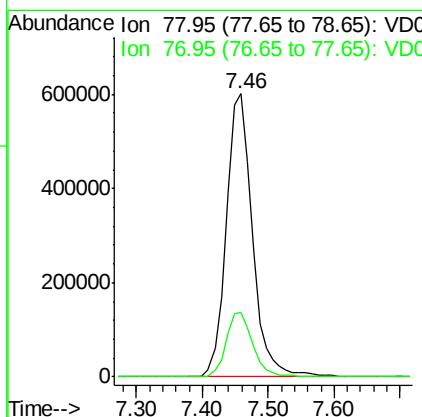
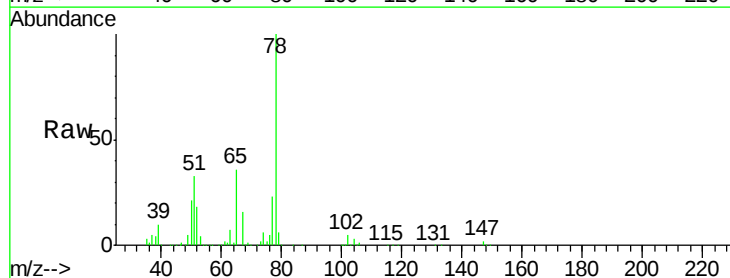
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

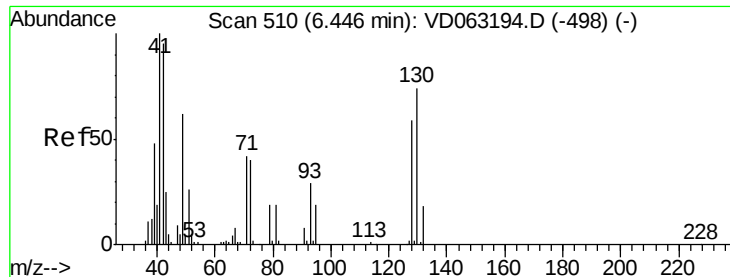
Tot Ion: 83 Resp: 647132
Ion Ratio Lower Upper
83 100
55 100.8 71.1 106.7
98 49.4 38.5 57.7



#40
Benzene
Concen: 60.462 ug/l
RT: 7.46 min Scan# 613
Delta R.T. 0.02 min
Lab File: VD063393.D
Acq: 6 Aug 2019 12:18

Tgt Ion: 78 Resp: 1672686
Ion Ratio Lower Upper
78 100
77 22.8 19.4 29.2

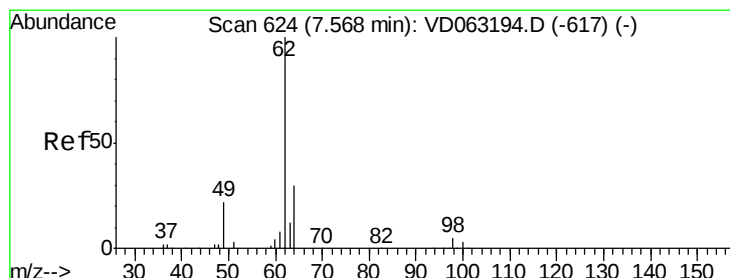
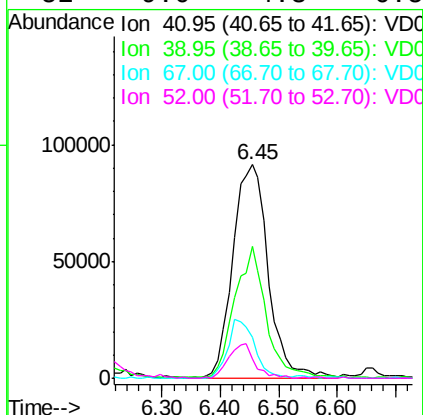
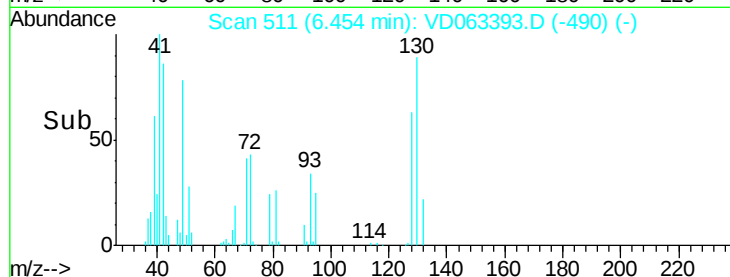
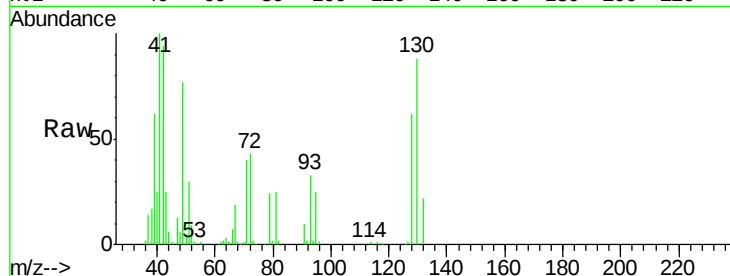




#41
Methacrylonitrile
Concen: 54.579 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.01 min
Lab File: VD063393.D
Acq: 6 Aug 2019 12:18

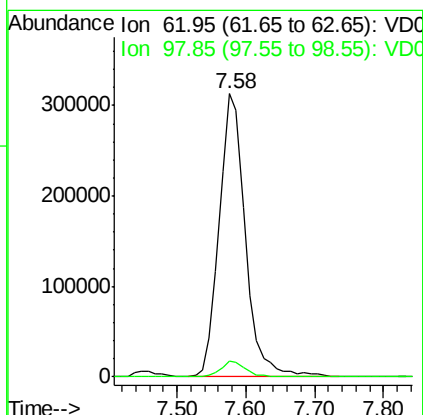
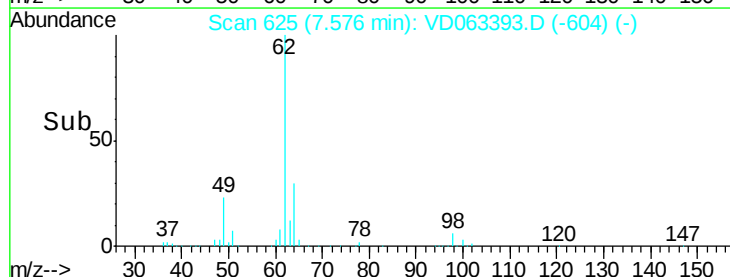
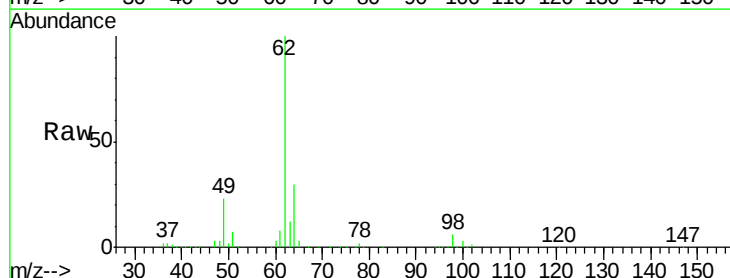
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

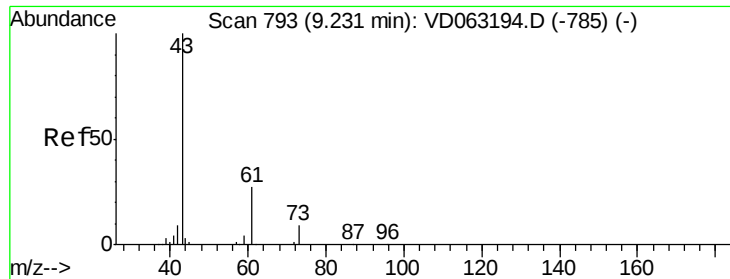
Tot Ion: 41 Resp: 387176
Ion Ratio Lower Upper
41 100
39 61.6 38.4 57.6#
67 19.3 6.7 10.1#
52 9.0 4.3 6.5#



#42
1,2-Dichloroethane
Concen: 56.046 ug/l
RT: 7.58 min Scan# 625
Delta R.T. 0.01 min
Lab File: VD063393.D
Acq: 6 Aug 2019 12:18

Tgt Ion: 62 Resp: 821747
Ion Ratio Lower Upper
62 100
98 5.6 0.0 9.8



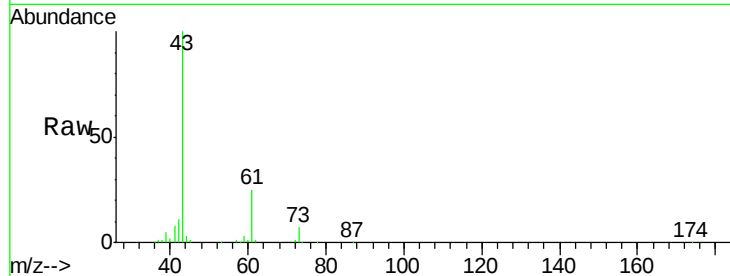


#43

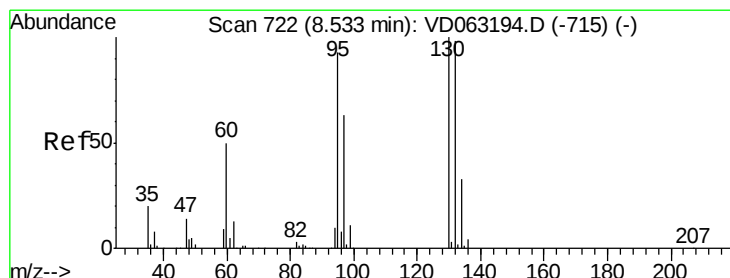
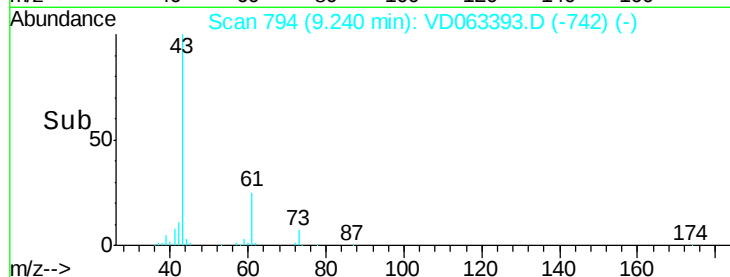
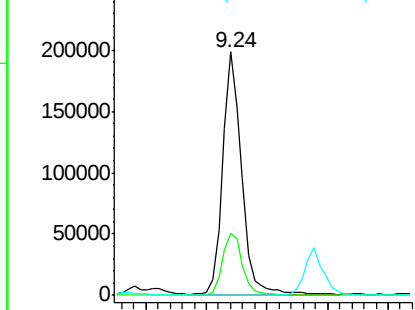
Isopropyl Acetate
 Concen: 56.617 ug/l
 RT: 9.24 min Scan# 794
 Delta R.T. 0.01 min
 Lab File: VD063393.D
 Acq: 6 Aug 2019 12:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 428894
 Ion Ratio Lower Upper
 43 100
 61 25.3 21.4 32.0
 87 0.3 0.2 0.4



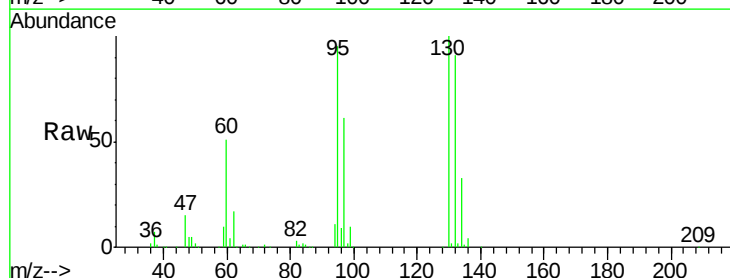
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



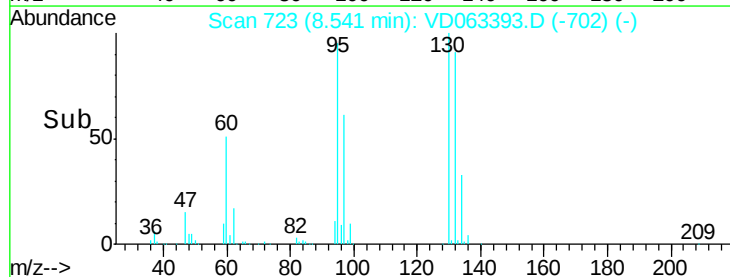
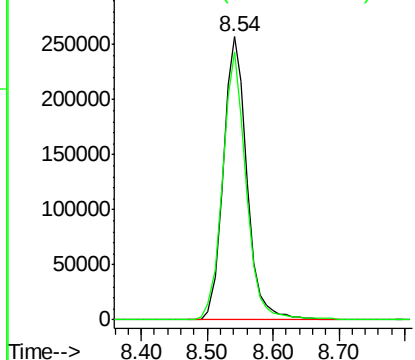
#44

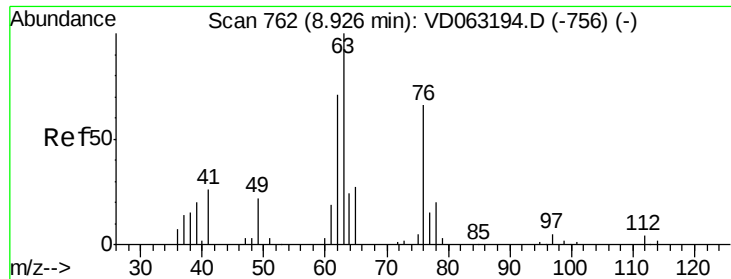
Trichloroethene
 Concen: 57.442 ug/l
 RT: 8.54 min Scan# 723
 Delta R.T. 0.01 min
 Lab File: VD063393.D
 Acq: 6 Aug 2019 12:18

Tgt Ion: 130 Resp: 643941
 Ion Ratio Lower Upper
 130 100
 95 94.7 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: 56.888 ug/l

RT: 8.93 min Scan# 763

Delta R.T. 0.01 min

Lab File: VD063393.D

Acq: 6 Aug 2019 12:18

Instrument :

MSVOA_D

ClientSampleId :

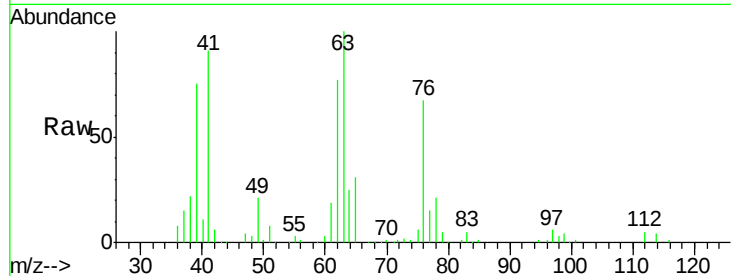
VSTDCCC050

Tot Ion: 63 Resp: 400026

Ion Ratio Lower Upper

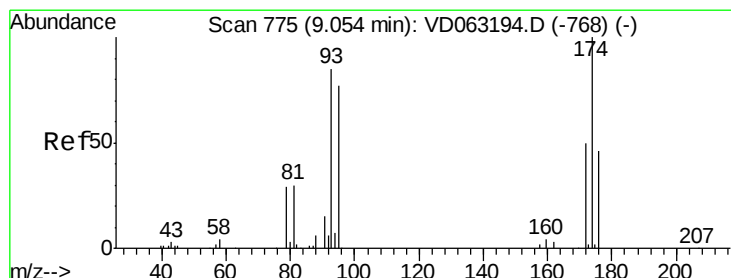
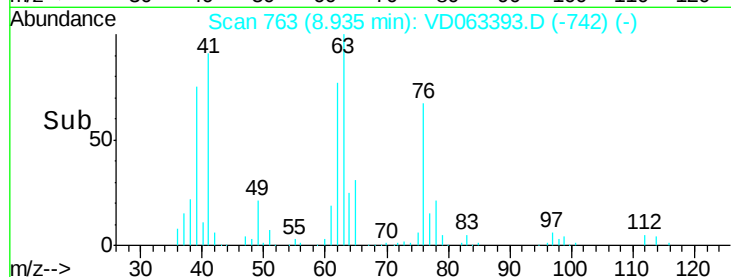
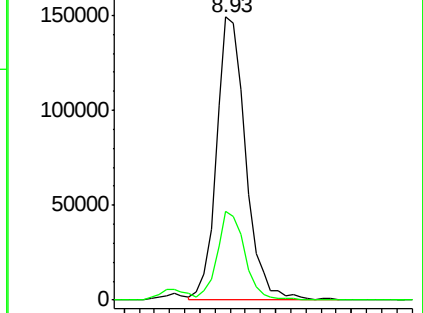
63 100

65 31.3 23.6 35.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 54.220 ug/l

RT: 9.06 min Scan# 776

Delta R.T. 0.01 min

Lab File: VD063393.D

Acq: 6 Aug 2019 12:18

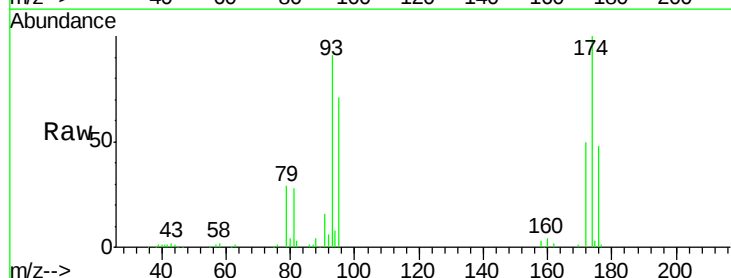
Tgt Ion: 93 Resp: 317010

Ion Ratio Lower Upper

93 100

95 77.5 72.8 109.2

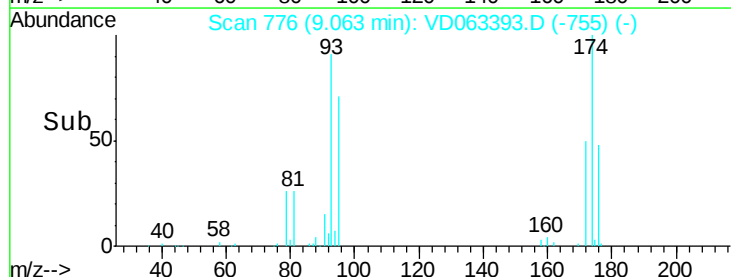
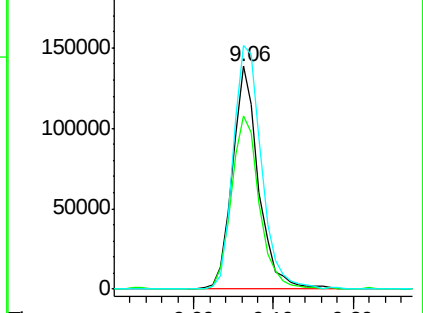
174 109.4 94.4 141.6

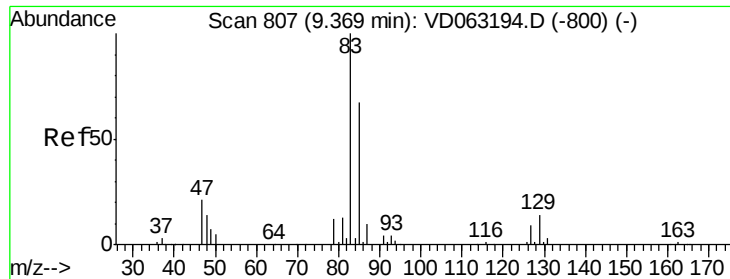


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 55.809 ug/l

RT: 9.38 min Scan# 808

Delta R.T. 0.01 min

Lab File: VD063393.D

Acq: 6 Aug 2019 12:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

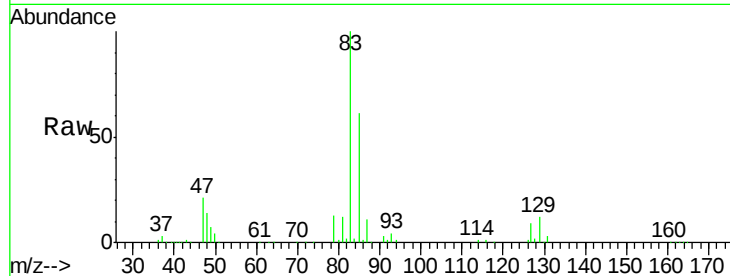
Tot Ion: 83 Resp: 831782

Ion Ratio Lower Upper

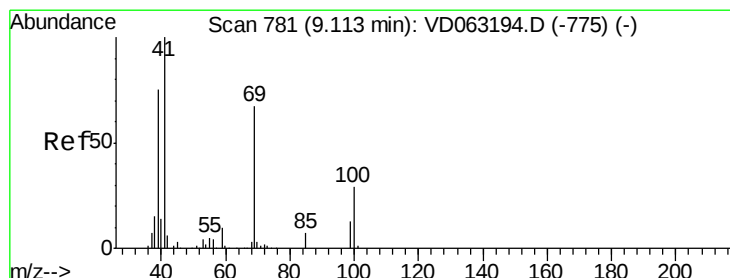
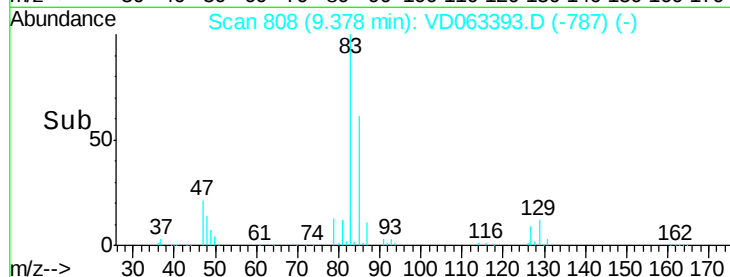
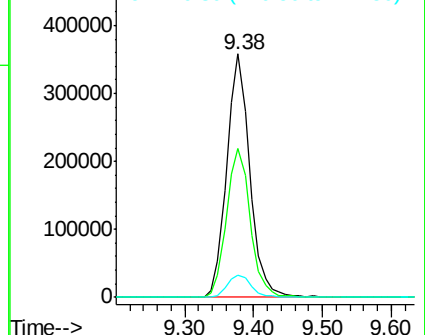
83 100

85 61.1 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): V



#48

Methyl methacrylate

Concen: 57.291 ug/l

RT: 9.12 min Scan# 782

Delta R.T. 0.01 min

Lab File: VD063393.D

Acq: 6 Aug 2019 12:18

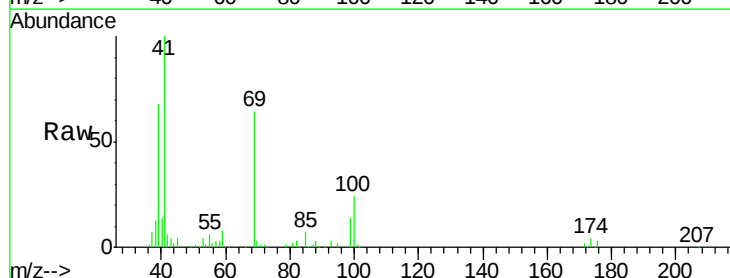
Tgt Ion: 41 Resp: 281476

Ion Ratio Lower Upper

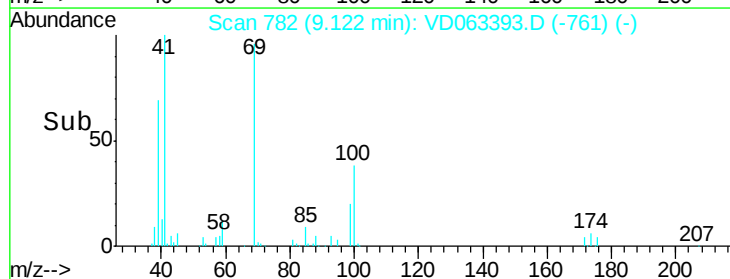
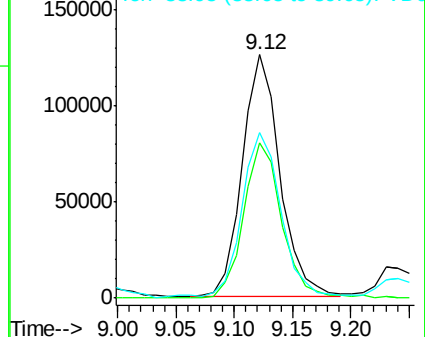
41 100

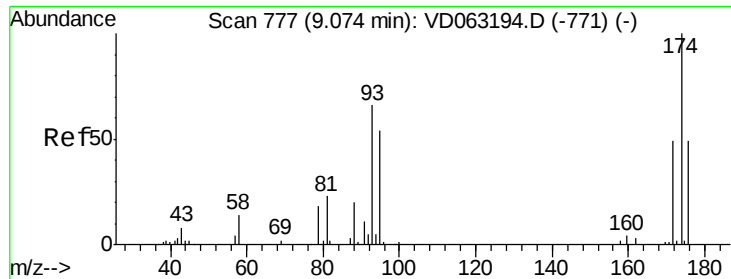
69 63.8 53.4 80.0

39 68.2 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

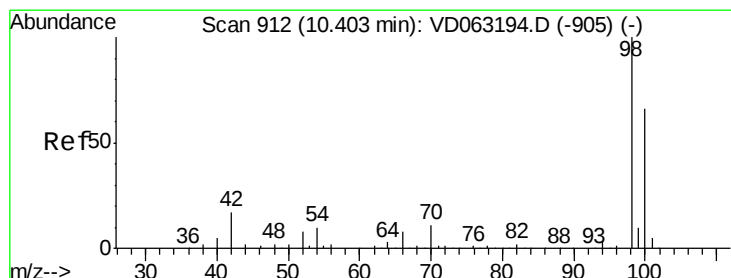
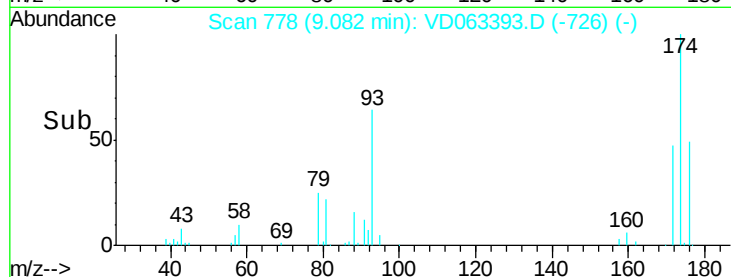
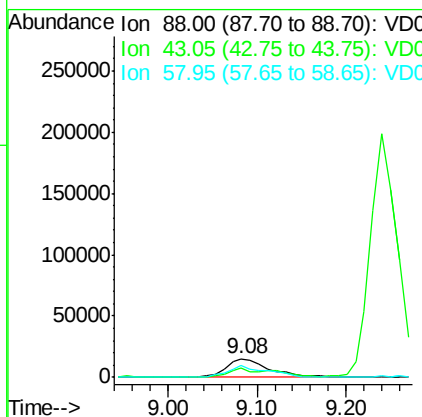
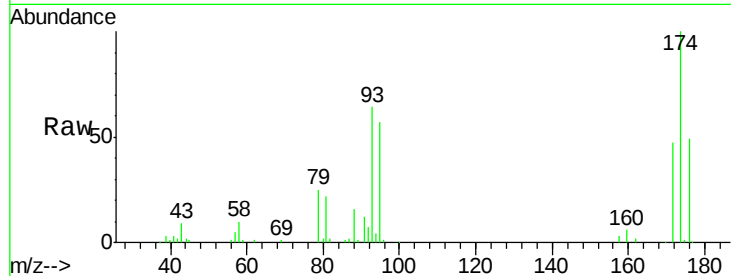




#49
1,4-Dioxane
Concen: 1179.232 ug/l
RT: 9.08 min Scan# 778
Delta R.T. 0.01 min
Lab File: VD063393.D
Acq: 6 Aug 2019 12:18

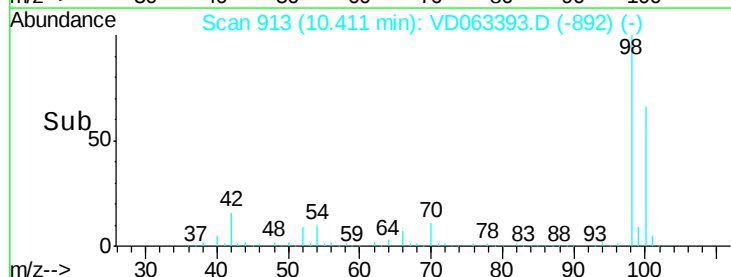
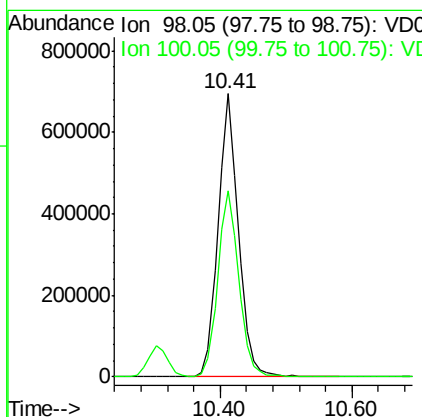
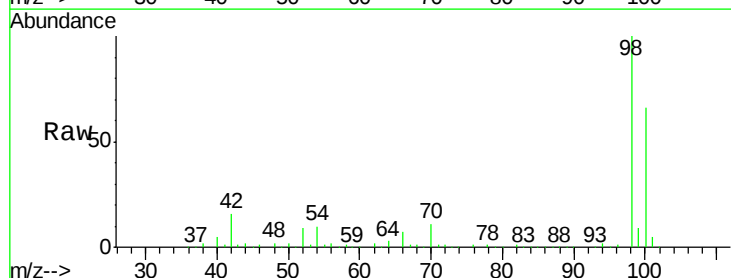
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

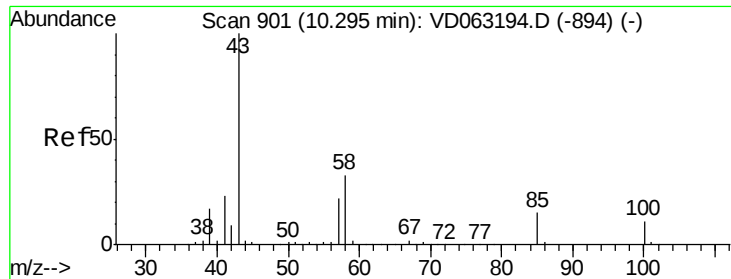
Tot Ion: 88 Resp: 49048
Ion Ratio Lower Upper
88 100
43 53.5 30.7 46.1#
58 62.4 56.5 84.7



#50
Toluene-d8
Concen: 53.929 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD063393.D
Acq: 6 Aug 2019 12:18

Tgt Ion: 98 Resp: 1490461
Ion Ratio Lower Upper
98 100
100 65.8 53.2 79.8





#51

4-Methyl-2-Pentanone

Concen: 293.156 ug/l

RT: 10.30 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD063393.D

Acq: 6 Aug 2019 12:18

Instrument :

MSVOA_D

ClientSampleId :

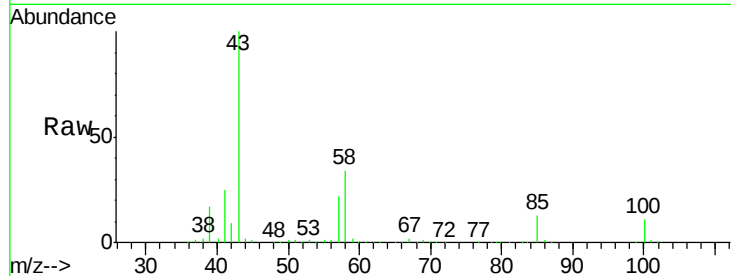
VSTDCCC050

Tot Ion: 43 Resp: 1510297

Ion Ratio Lower Upper

43 100

58 34.1 26.2 39.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.30

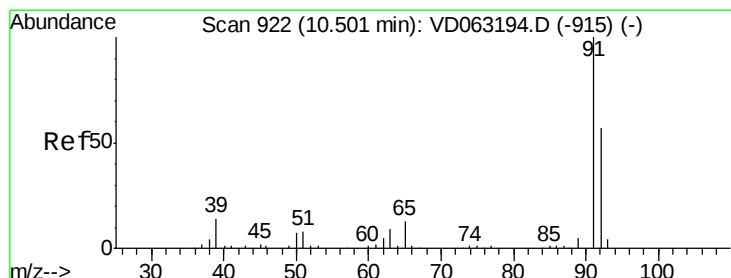
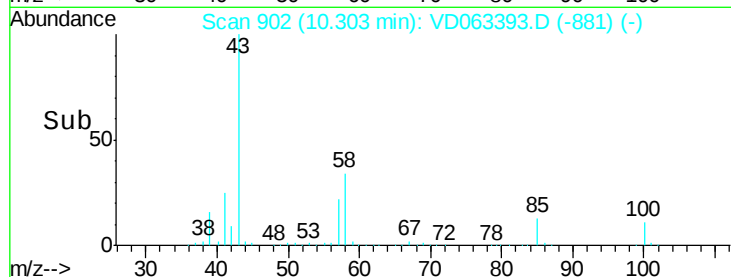
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 58.734 ug/l

RT: 10.51 min Scan# 923

Delta R.T. 0.01 min

Lab File: VD063393.D

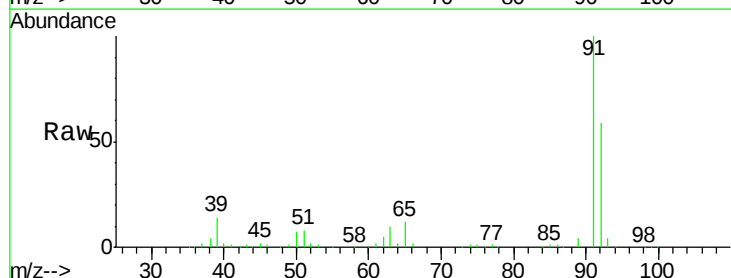
Acq: 6 Aug 2019 12:18

Tgt Ion: 92 Resp: 1080708

Ion Ratio Lower Upper

92 100

91 168.2 140.8 211.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

1000000

800000

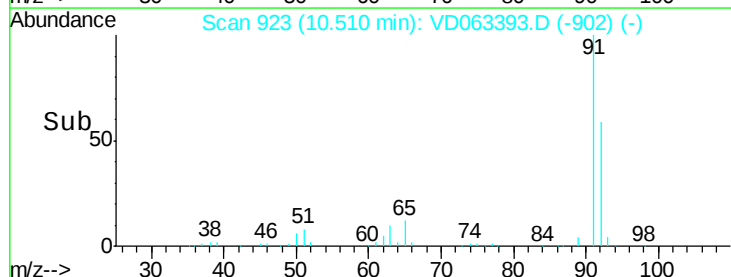
600000

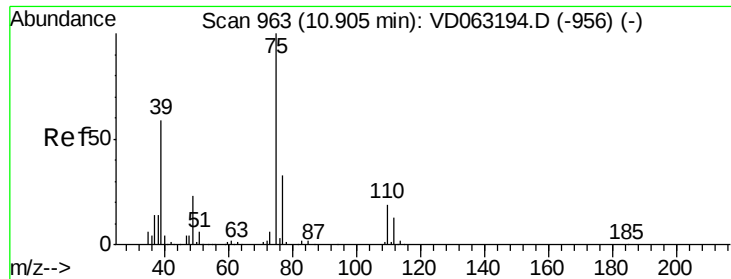
400000

200000

0

Time-->

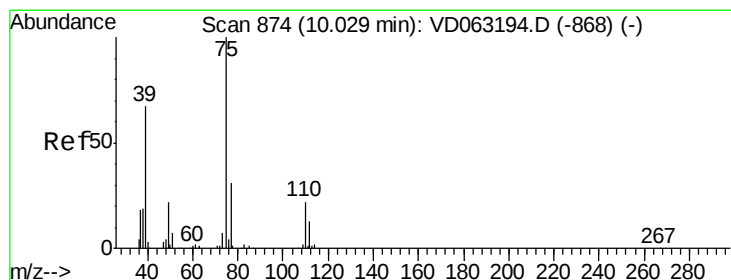
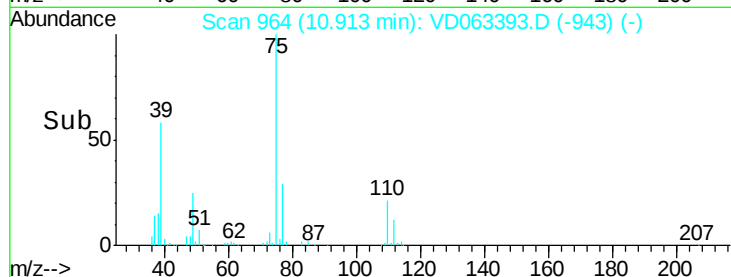
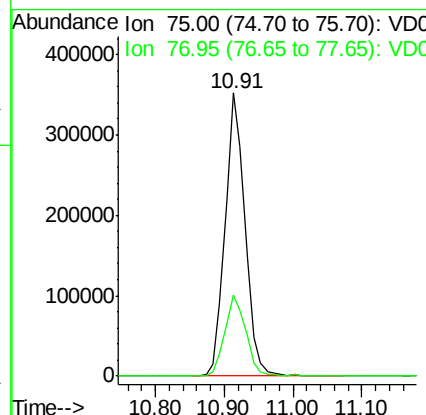
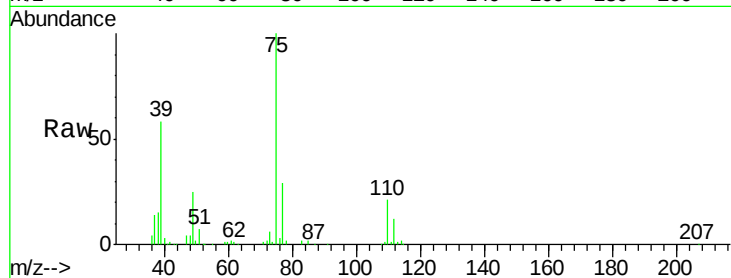




#53
 t-1,3-Dichloropropene
 Concen: 54.966 ug/l
 RT: 10.91 min Scan# 964
 Delta R.T. 0.01 min
 Lab File: VD063393.D
 Acq: 6 Aug 2019 12:18

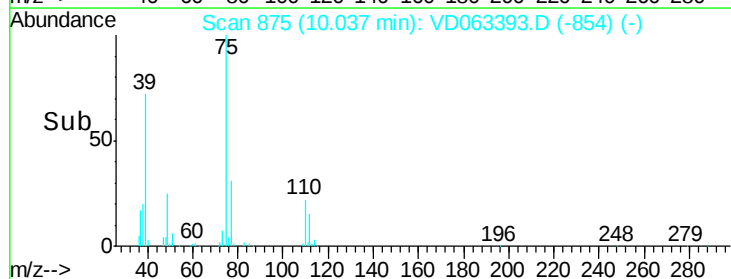
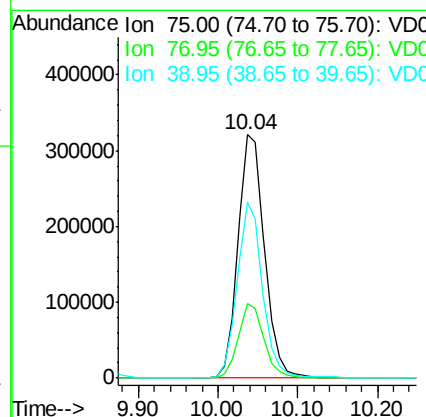
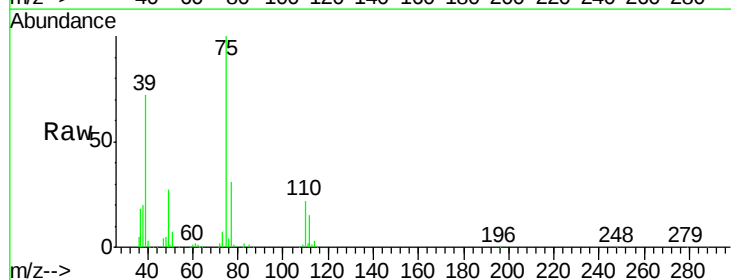
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

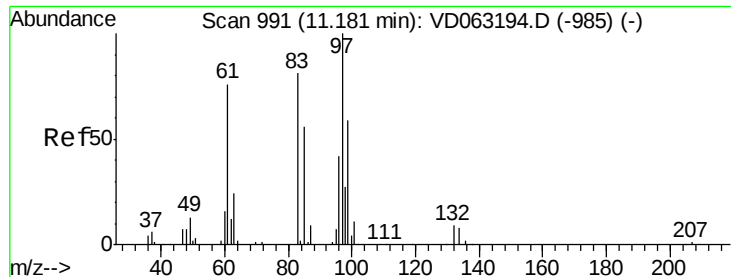
Tot Ion: 75 Resp: 706276
 Ion Ratio Lower Upper
 75 100
 77 28.7 26.6 40.0



#54
 cis-1,3-Dichloropropene
 Concen: 55.305 ug/l
 RT: 10.04 min Scan# 875
 Delta R.T. 0.01 min
 Lab File: VD063393.D
 Acq: 6 Aug 2019 12:18

Tgt Ion: 75 Resp: 746859
 Ion Ratio Lower Upper
 75 100
 77 30.5 24.9 37.3
 39 72.4 53.9 80.9

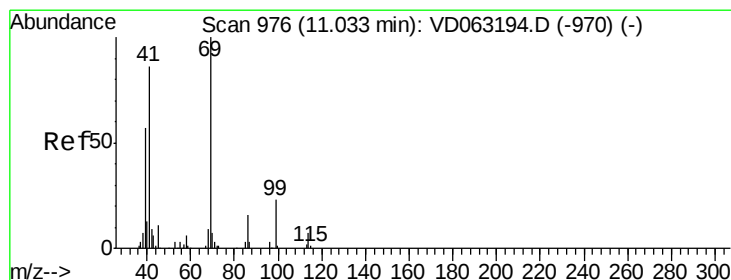
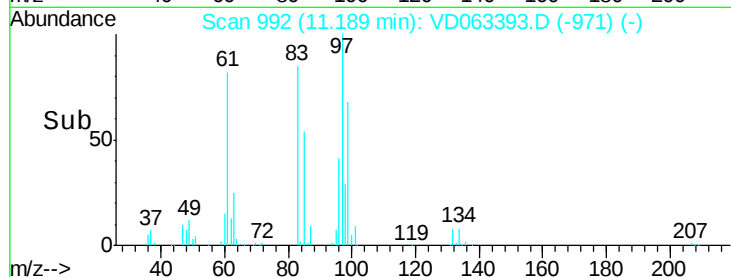
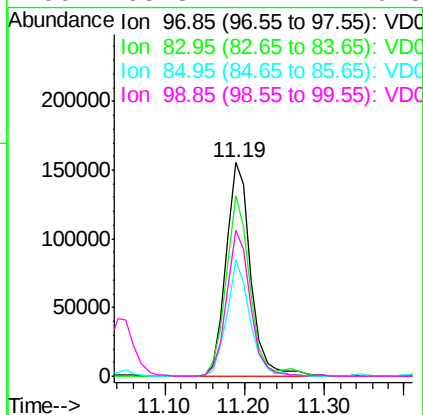
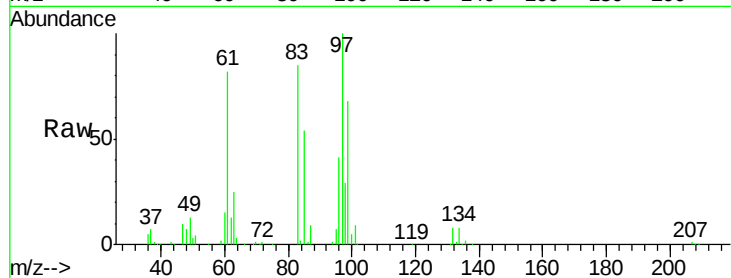




#55
 1,1,2-Trichloroethane
 Concen: 54.475 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. 0.01 min
 Lab File: VD063393.D
 Acq: 6 Aug 2019 12:18

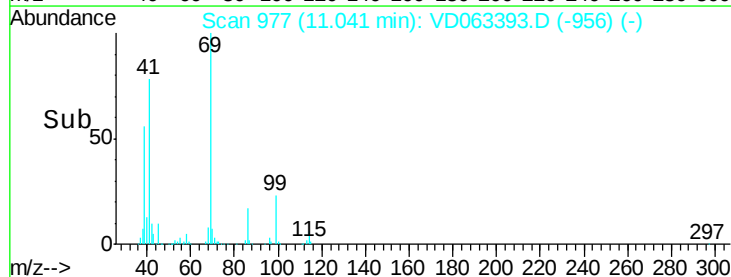
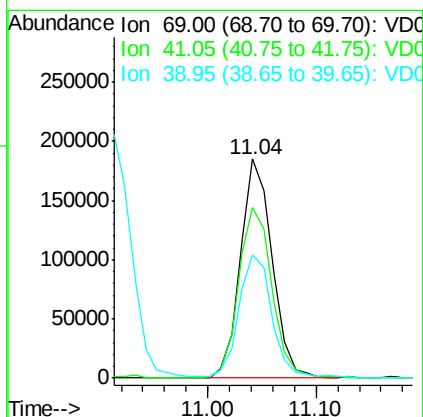
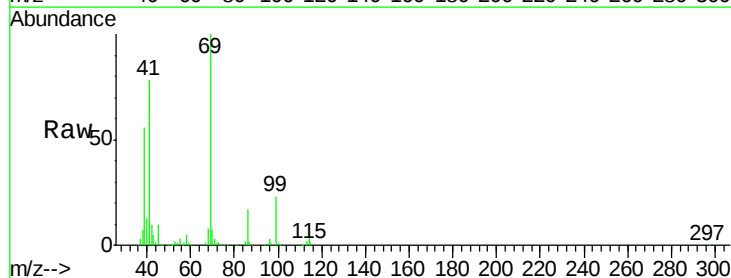
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

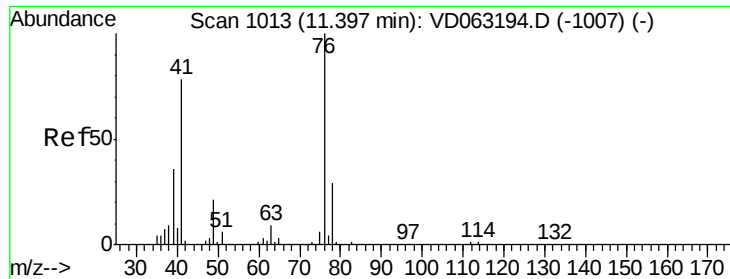
Tot Ion:	97	Resp:	338522
Ion	Ratio	Lower	Upper
97	100		
83	84.8	64.8	97.2
85	54.5	44.9	67.3
99	68.3	47.2	70.8



#56
 Ethyl methacrylate
 Concen: 55.552 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. 0.01 min
 Lab File: VD063393.D
 Acq: 6 Aug 2019 12:18

Tgt Ion:	69	Resp:	378023
Ion	Ratio	Lower	Upper
69	100		
41	78.1	68.8	103.2
39	56.4	45.8	68.8





#57

1,3-Dichloropropane

Concen: 56.906 ug/l

RT: 11.41 min Scan# 1014

Delta R.T. 0.01 min

Lab File: VD063393.D

Acq: 6 Aug 2019 12:18

Instrument :

MSVOA_D

ClientSampleId :

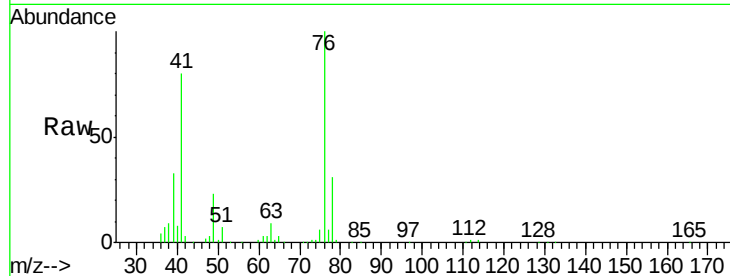
VSTDCCC050

Tot Ion: 76 Resp: 557183

Ion Ratio Lower Upper

76 100

78 31.0 23.4 35.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.41

250000

200000

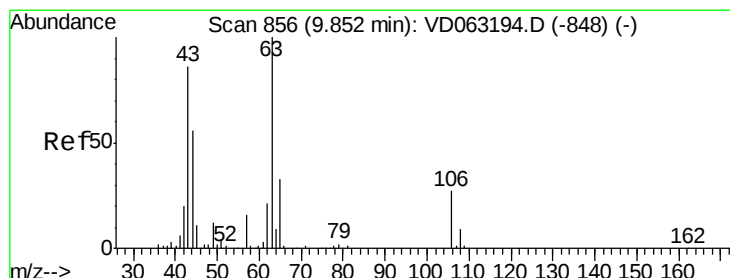
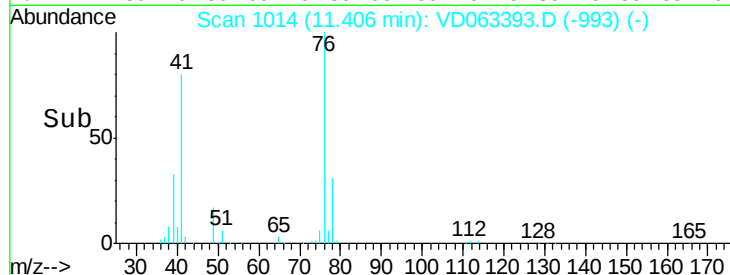
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 267.203 ug/l

RT: 9.86 min Scan# 857

Delta R.T. 0.01 min

Lab File: VD063393.D

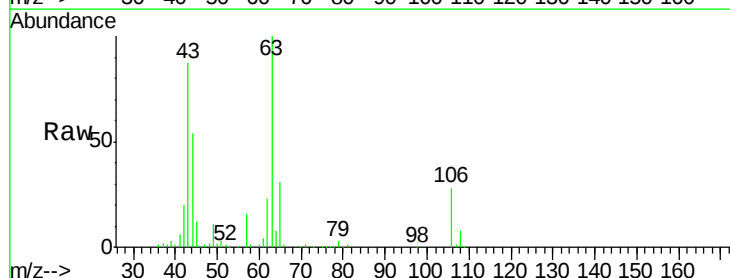
Acq: 6 Aug 2019 12:18

Tgt Ion: 63 Resp: 946123

Ion Ratio Lower Upper

63 100

106 27.5 22.0 33.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

9.86

500000

400000

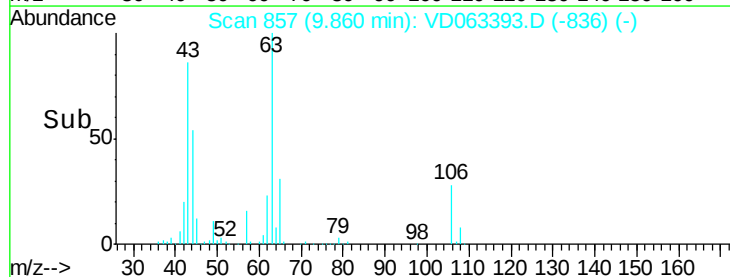
300000

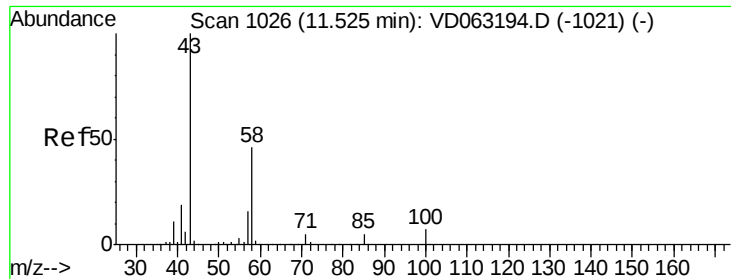
200000

100000

0

Time-->

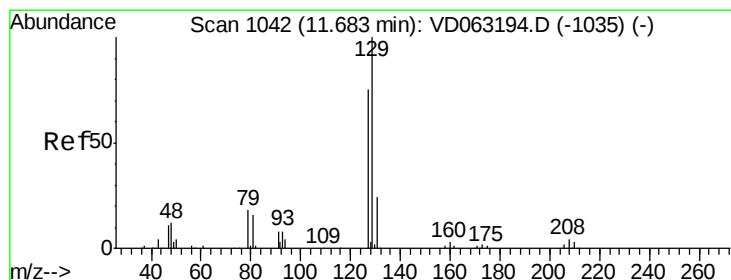
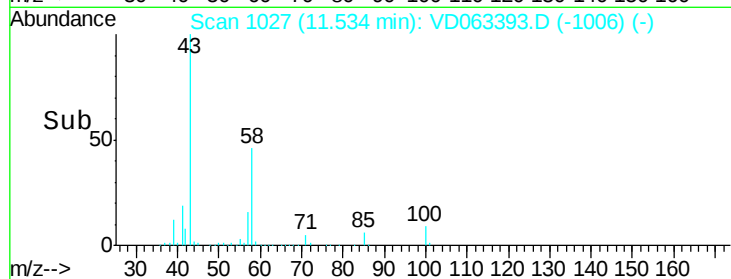
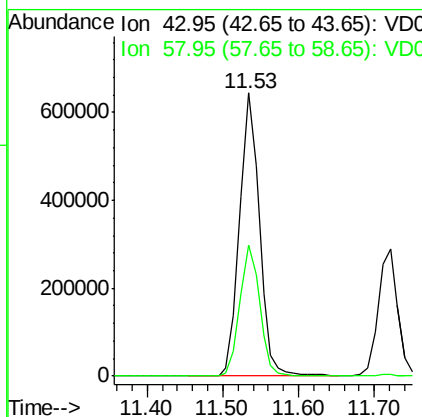
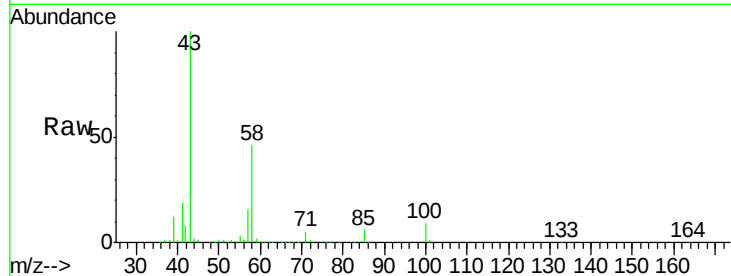




#59
2-Hexanone
Concen: 315.434 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. 0.01 min
Lab File: VD063393.D
Acq: 6 Aug 2019 12:18

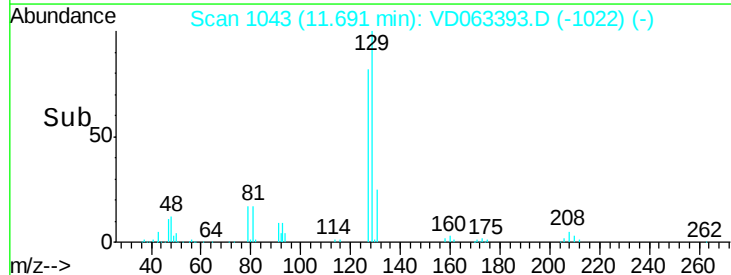
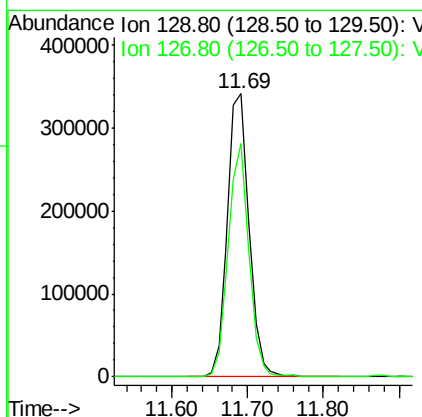
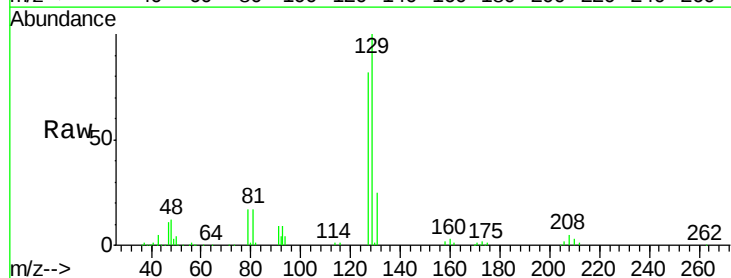
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

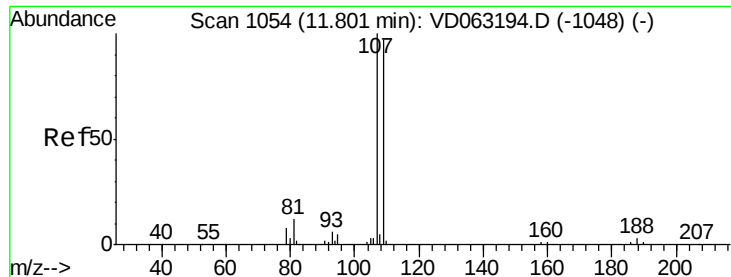
Tot Ion: 43 Resp: 1171093
Ion Ratio Lower Upper
43 100
58 46.2 22.9 68.5



#60
Dibromochloromethane
Concen: 57.716 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.01 min
Lab File: VD063393.D
Acq: 6 Aug 2019 12:18

Tgt Ion: 129 Resp: 677100
Ion Ratio Lower Upper
129 100
127 82.4 37.6 112.8

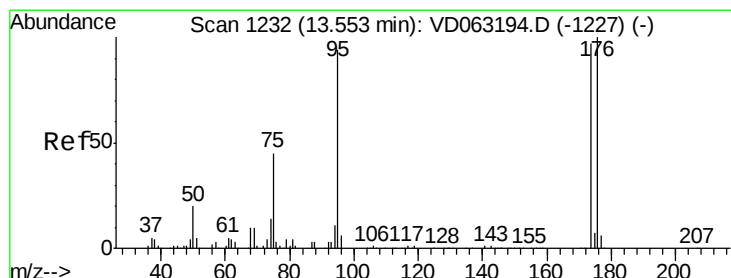
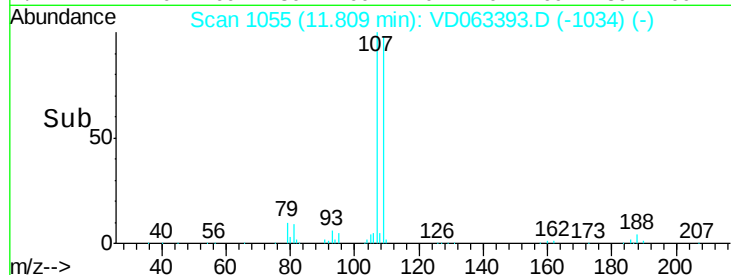
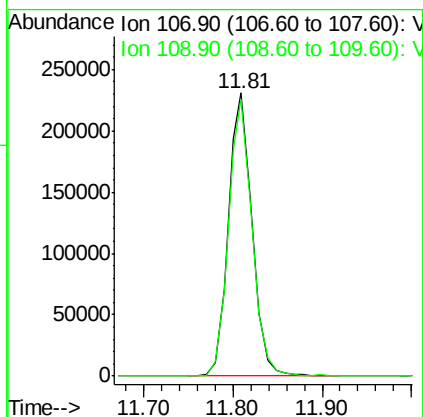
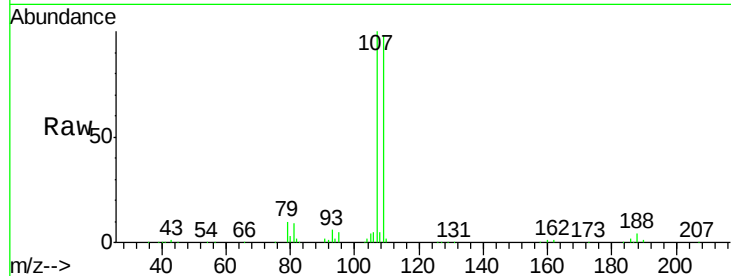




#61
 1,2-Dibromoethane
 Concen: 56.272 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. 0.01 min
 Lab File: VD063393.D
 Acq: 6 Aug 2019 12:18

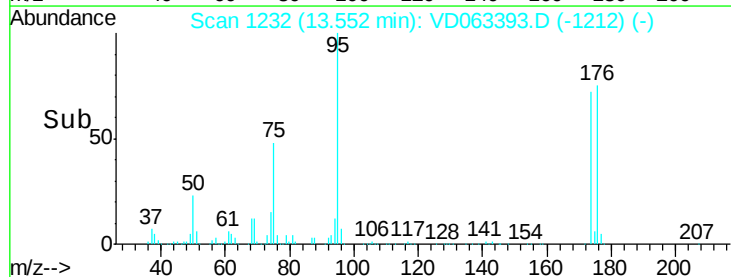
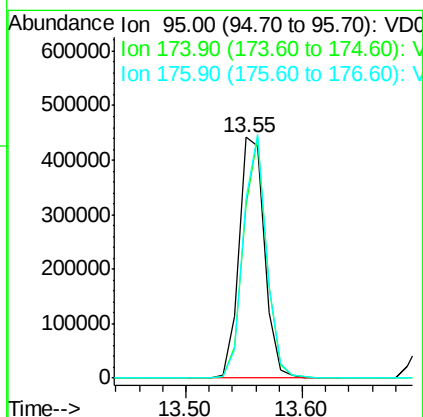
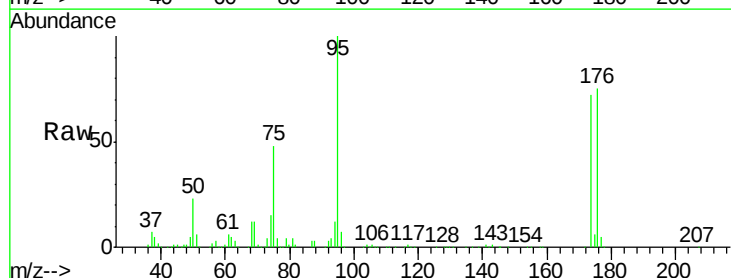
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

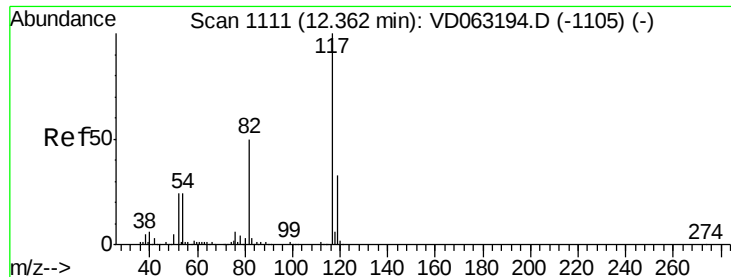
Tot Ion:107 Resp: 431500
 Ion Ratio Lower Upper
 107 100
 109 97.7 77.5 116.3



#62
 4-Bromofluorobenzene
 Concen: 52.955 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD063393.D
 Acq: 6 Aug 2019 12:18

Tgt Ion: 95 Resp: 666921
 Ion Ratio Lower Upper
 95 100
 174 71.9 0.0 205.4
 176 74.7 0.0 211.8

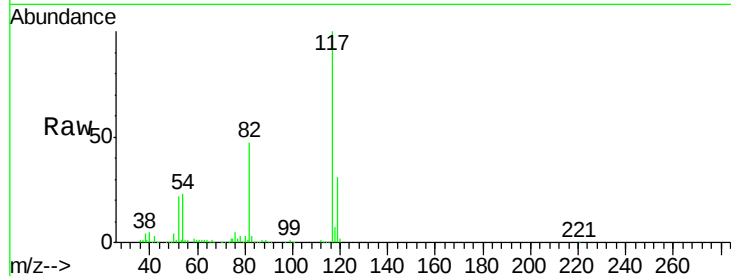




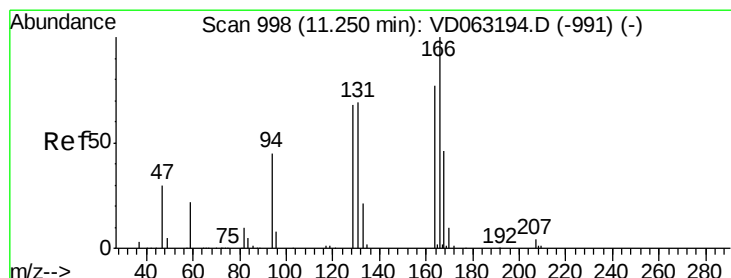
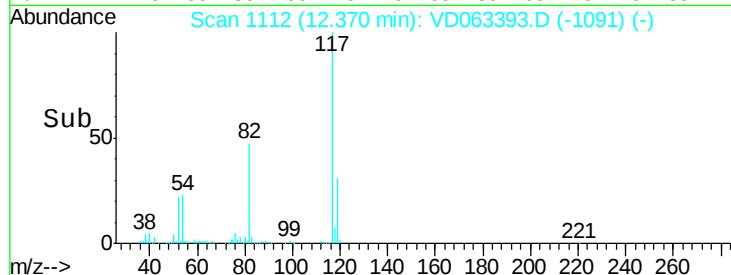
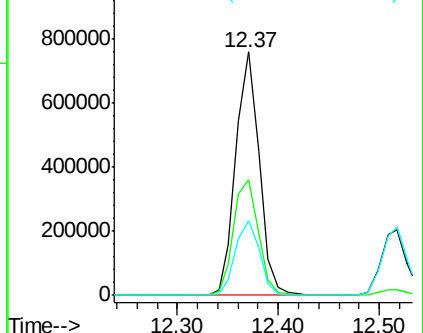
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD063393.D
Acq: 6 Aug 2019 12:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 1232151
Ion Ratio Lower Upper
117 100
82 47.4 40.1 60.1
119 30.7 26.5 39.7

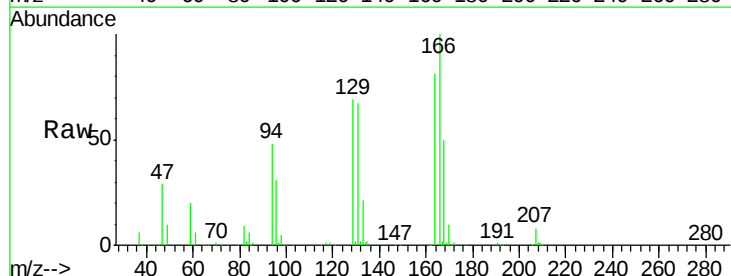


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

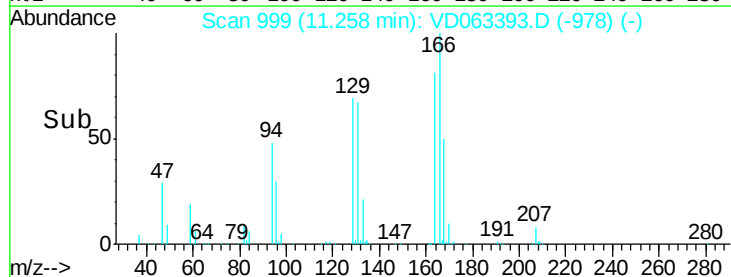
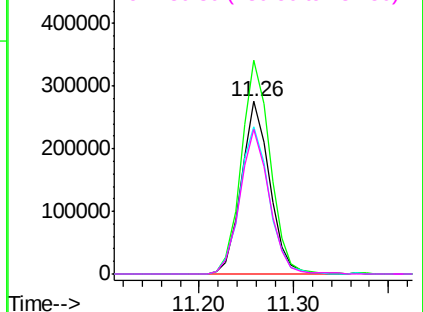


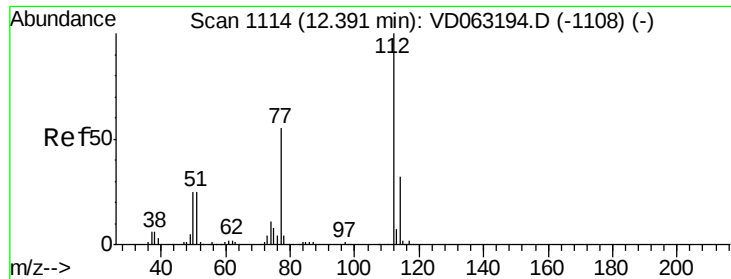
#64
Tetrachloroethene
Concen: 58.225 ug/l
RT: 11.26 min Scan# 999
Delta R.T. 0.01 min
Lab File: VD063393.D
Acq: 6 Aug 2019 12:18

Tgt Ion:164 Resp: 571546
Ion Ratio Lower Upper
164 100
166 123.9 104.3 156.5
129 85.2 70.9 106.3
131 83.6 71.6 107.4



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

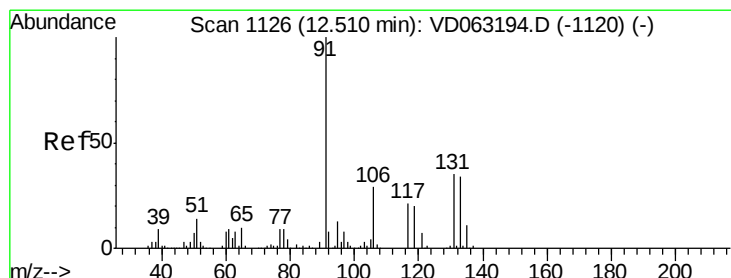
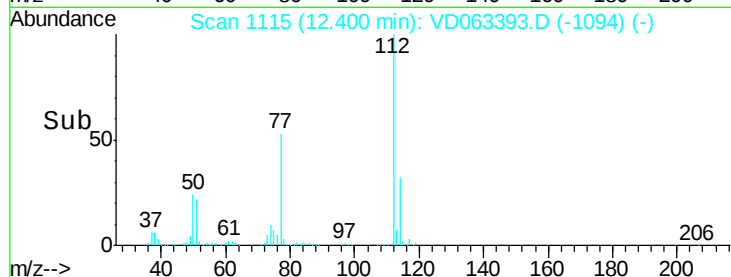
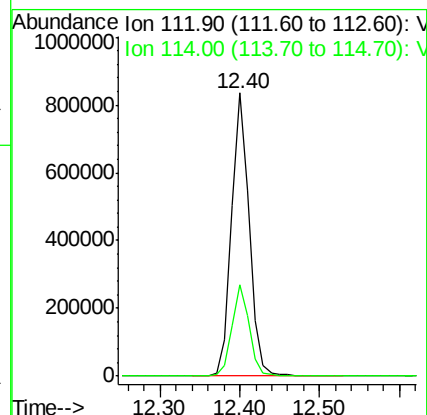
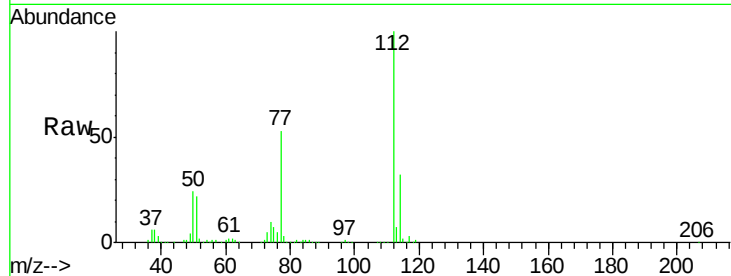




#65
Chlorobenzene
Concen: 55.565 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.01 min
Lab File: VD063393.D
Acq: 6 Aug 2019 12:18

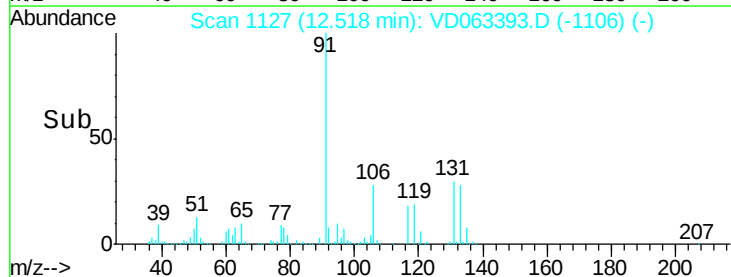
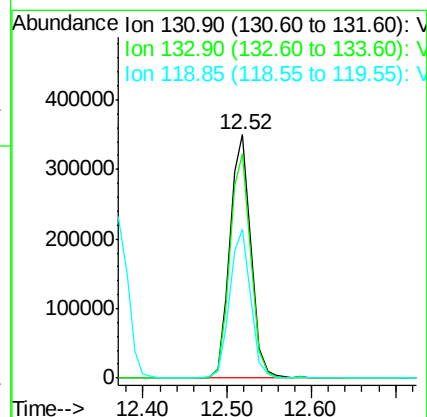
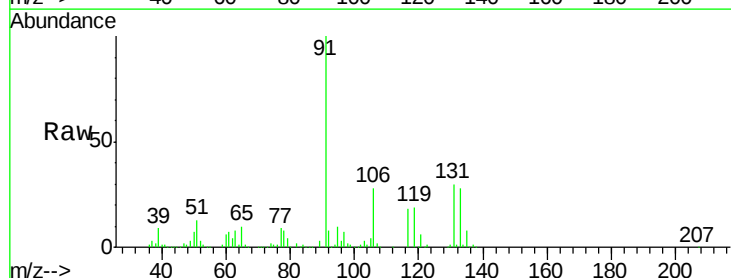
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

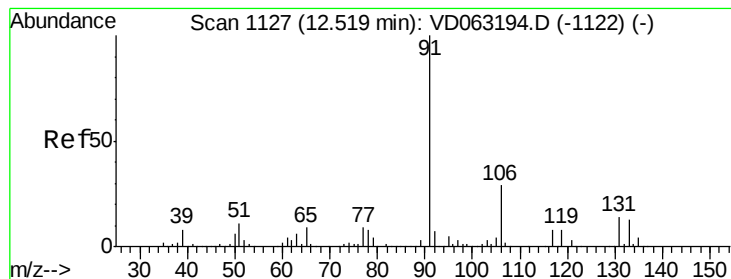
Tot Ion:112 Resp: 1316874
Ion Ratio Lower Upper
112 100
114 32.2 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 57.747 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD063393.D
Acq: 6 Aug 2019 12:18

Tgt Ion:131 Resp: 602848
Ion Ratio Lower Upper
131 100
133 92.1 48.4 145.2
119 61.3 29.1 87.3





#67

Ethyl Benzene

Concen: 54.276 ug/l

RT: 12.53 min Scan# 1128

Delta R.T. 0.01 min

Lab File: VD063393.D

Acq: 6 Aug 2019 12:18

Instrument :

MSVOA_D

ClientSampleId :

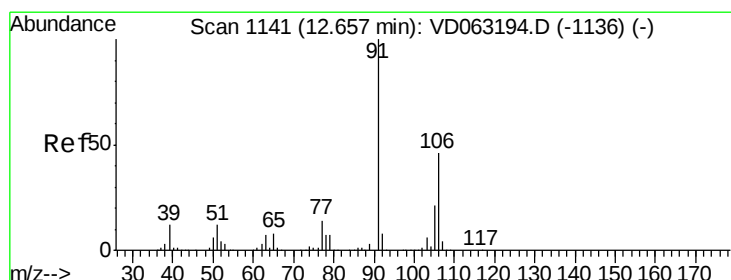
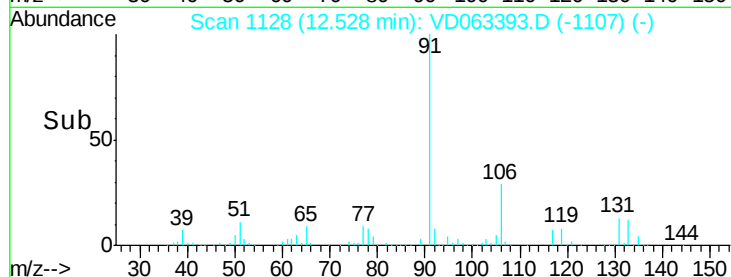
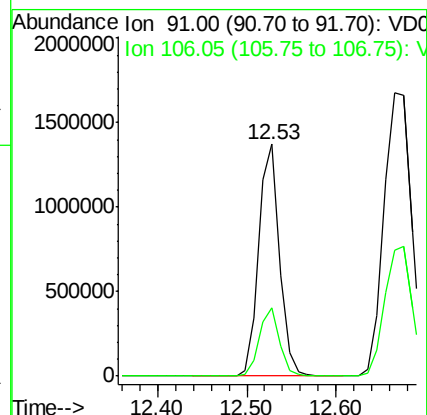
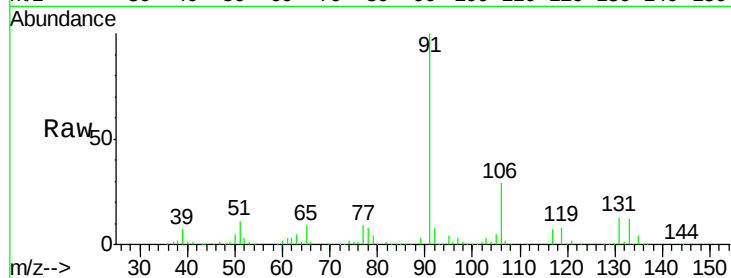
VSTDCCC050

Tot Ion: 91 Resp: 2185181

Ion Ratio Lower Upper

91 100

106 29.4 22.9 34.3



#68

m/p-Xylenes

Concen: 108.179 ug/l

RT: 12.68 min Scan# 1143

Delta R.T. 0.02 min

Lab File: VD063393.D

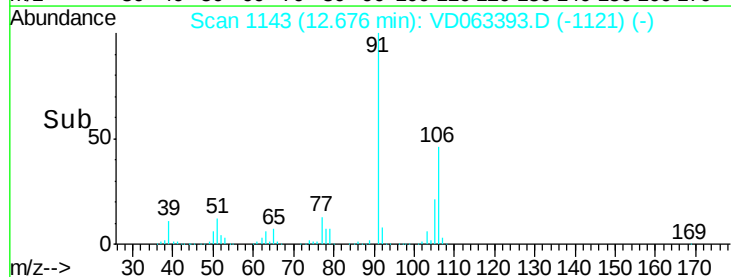
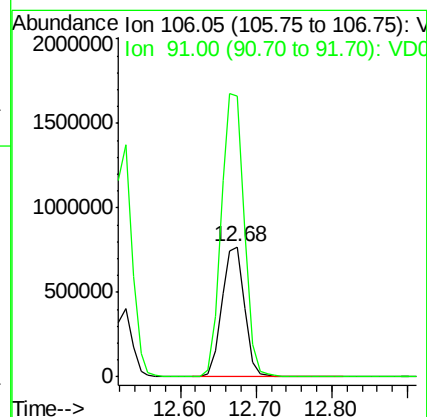
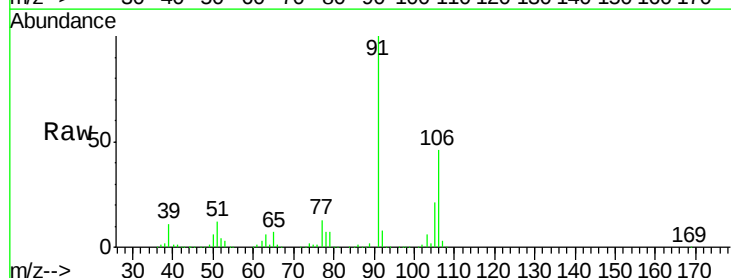
Acq: 6 Aug 2019 12:18

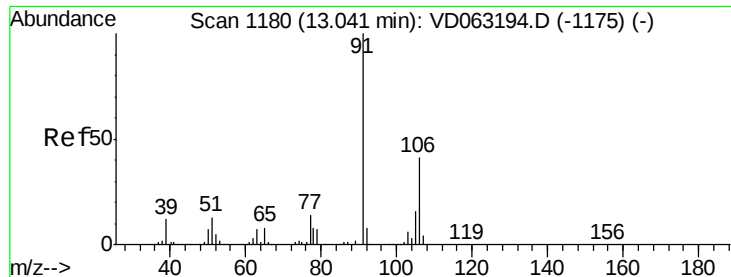
Tgt Ion: 106 Resp: 1597237

Ion Ratio Lower Upper

106 100

91 215.6 172.6 259.0

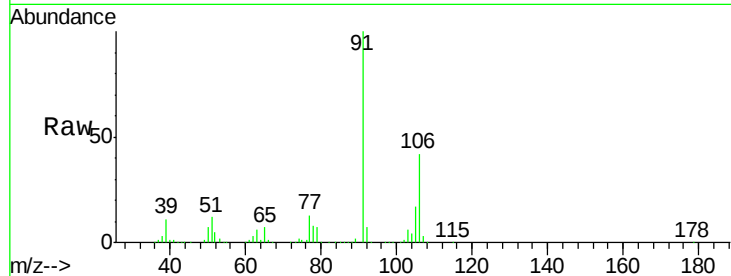




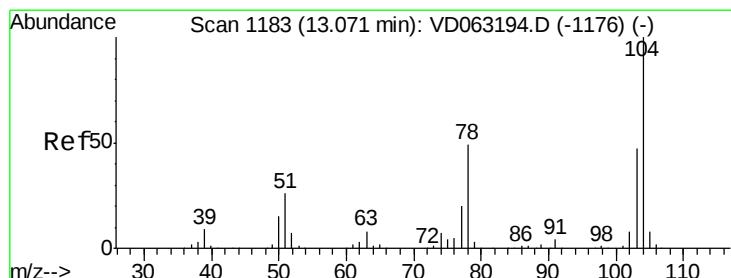
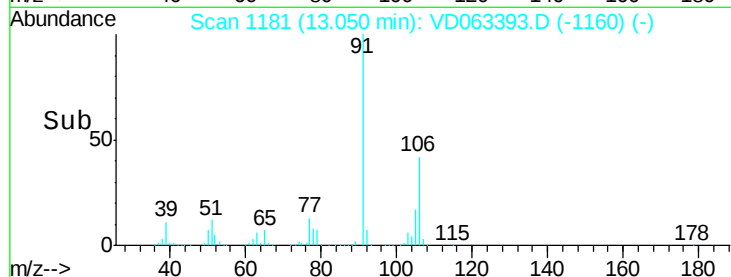
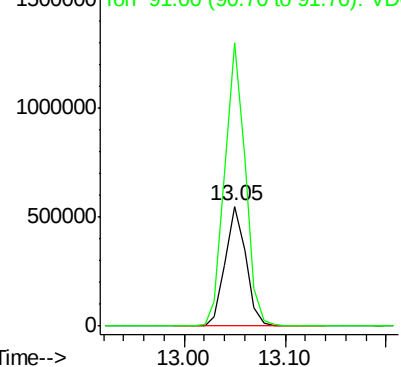
#69
o-Xylene
Concen: 57.897 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VD063393.D
Acq: 6 Aug 2019 12:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 785004
Ion Ratio Lower Upper
106 100
91 236.7 121.3 363.9

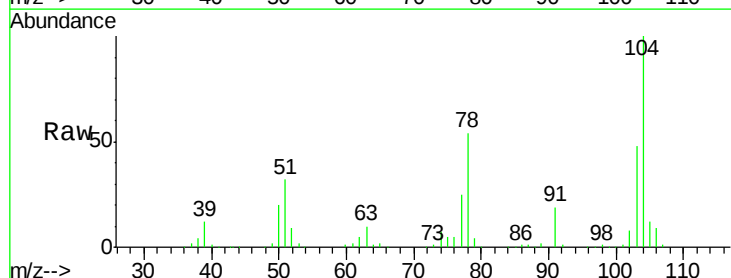


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

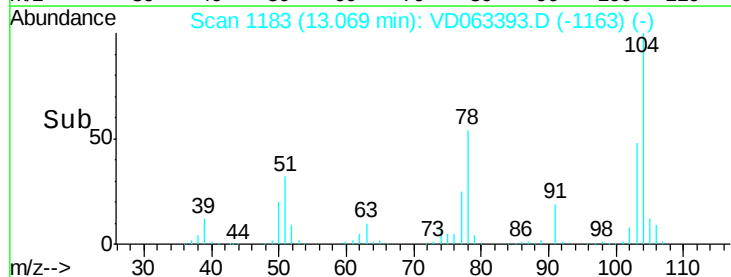
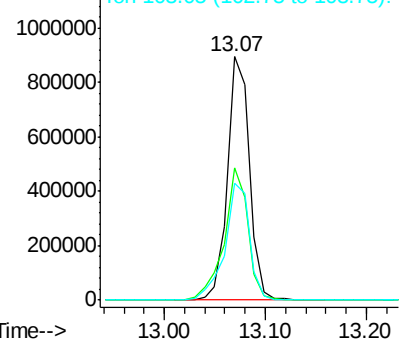


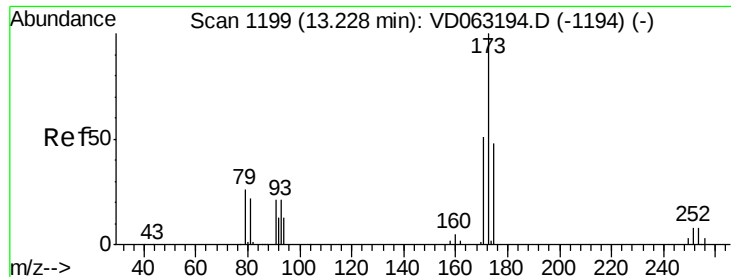
#70
Styrene
Concen: 56.481 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD063393.D
Acq: 6 Aug 2019 12:18

Tgt Ion:104 Resp: 1358103
Ion Ratio Lower Upper
104 100
78 54.1 39.4 59.0
103 47.9 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: 53.856 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. 0.01 min

Lab File: VD063393.D

Acq: 6 Aug 2019 12:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

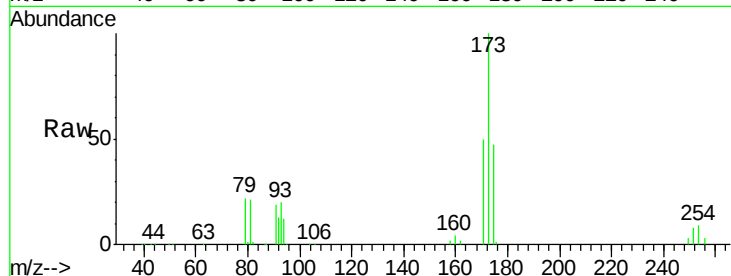
Tot Ion:173 Resp: 408866

Ion Ratio Lower Upper

173 100

175 47.1 23.8 71.5

254 9.0 6.6 10.0



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

13.24

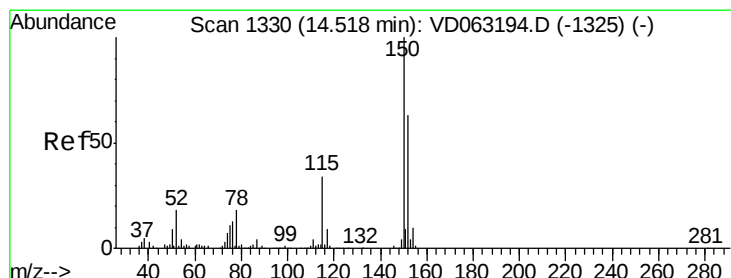
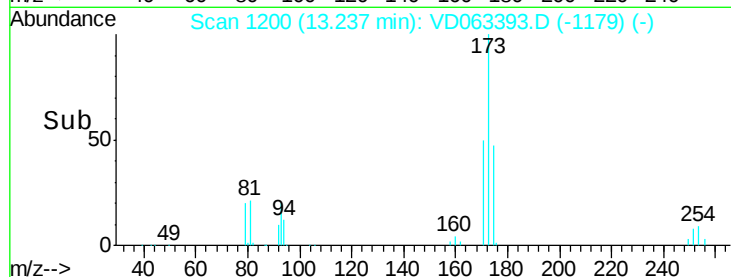
300000

200000

100000

0

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD063393.D

Acq: 6 Aug 2019 12:18

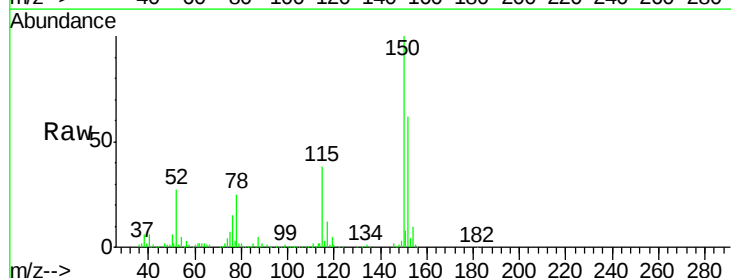
Tgt Ion:152 Resp: 639440

Ion Ratio Lower Upper

152 100

115 61.2 27.5 82.4

150 160.9 0.0 320.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V

14.52

800000

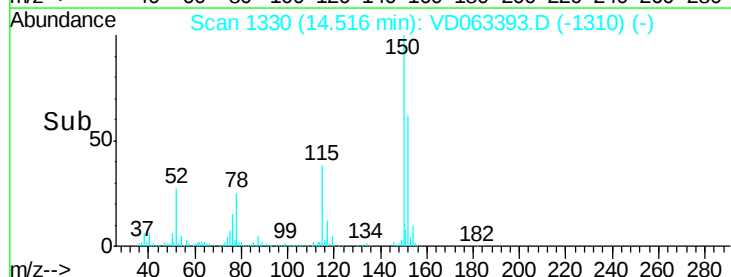
600000

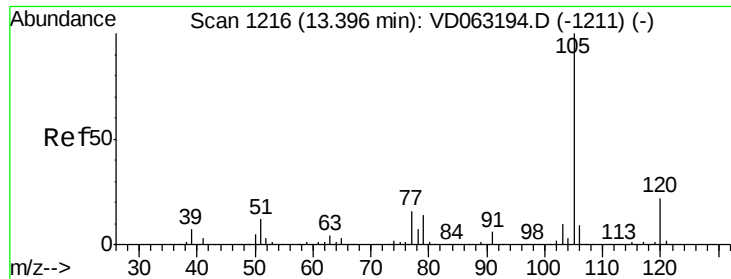
400000

200000

0

Time-->

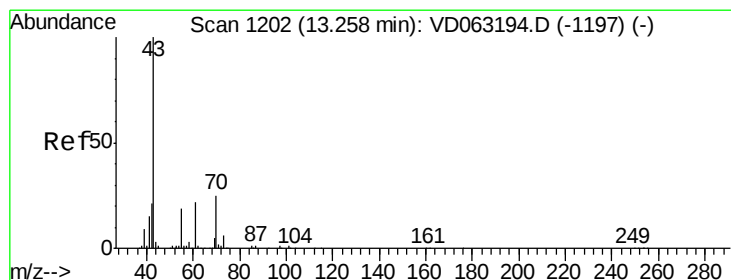
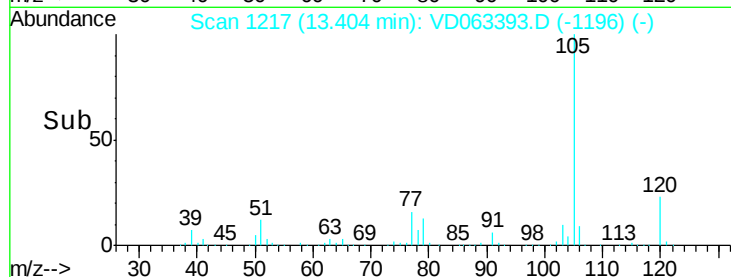
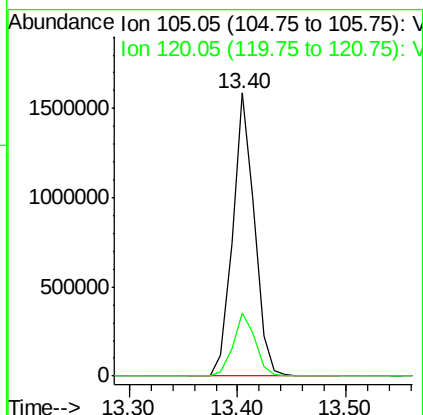
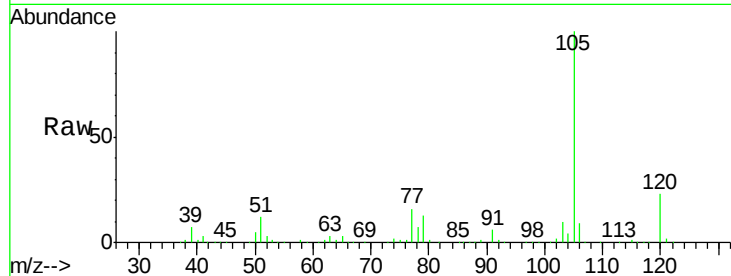




#73
Isopropylbenzene
Concen: 55.001 ug/l
RT: 13.40 min Scan# 1217
Delta R.T. 0.01 min
Lab File: VD063393.D
Acq: 6 Aug 2019 12:18

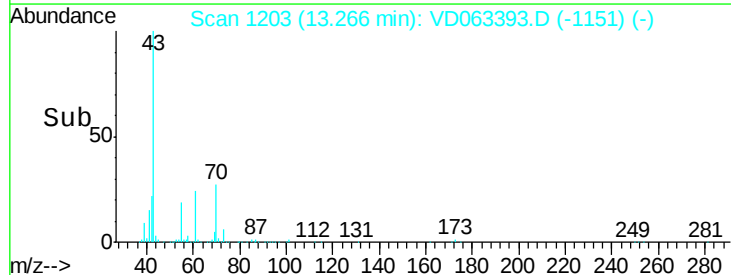
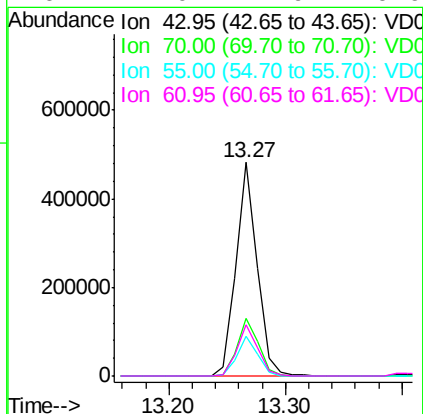
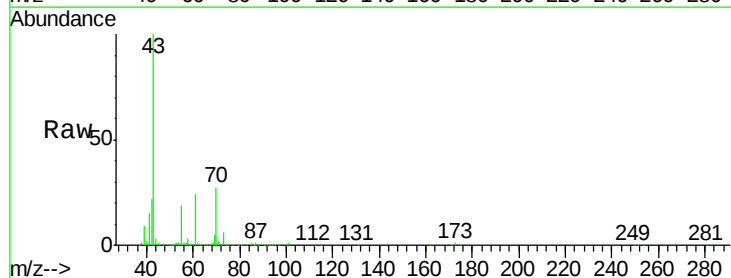
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

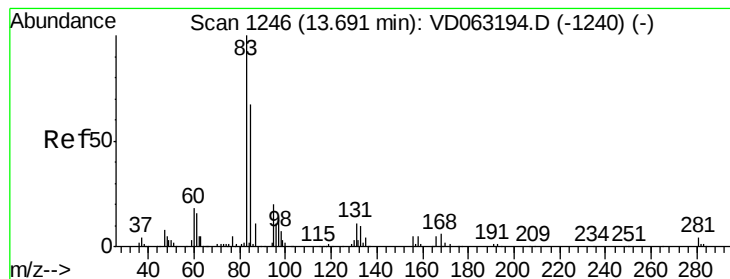
Tot Ion:105 Resp: 2207366
Ion Ratio Lower Upper
105 100
120 22.5 11.1 33.3



#74
N-ethyl acetate
Concen: 57.012 ug/l
RT: 13.27 min Scan# 1203
Delta R.T. 0.01 min
Lab File: VD063393.D
Acq: 6 Aug 2019 12:18

Tgt Ion: 43 Resp: 604875
Ion Ratio Lower Upper
43 100
70 26.7 20.2 30.4
55 18.6 14.9 22.3
61 24.0 17.9 26.9





#75

1,1,2,2-Tetrachloroethane

Concen: 57.836 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.01 min

Lab File: VD063393.D

Acq: 6 Aug 2019 12:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

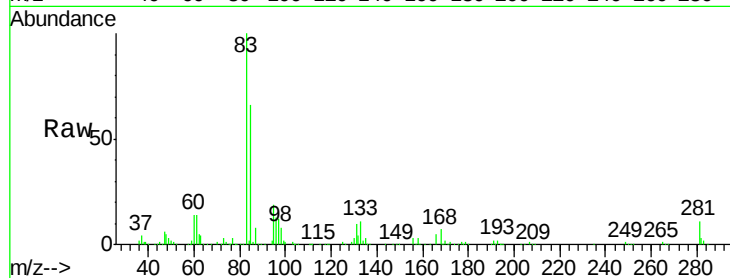
Tot Ion: 83 Resp: 394281

Ion Ratio Lower Upper

83 100

131 10.2 5.5 16.7

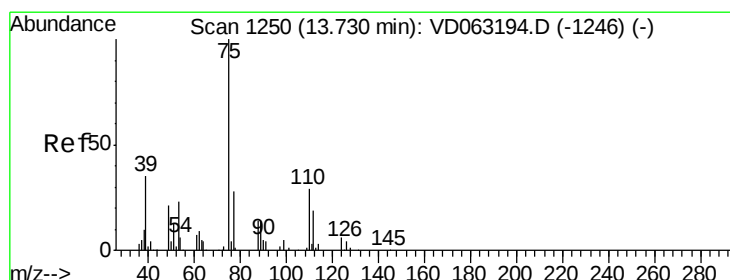
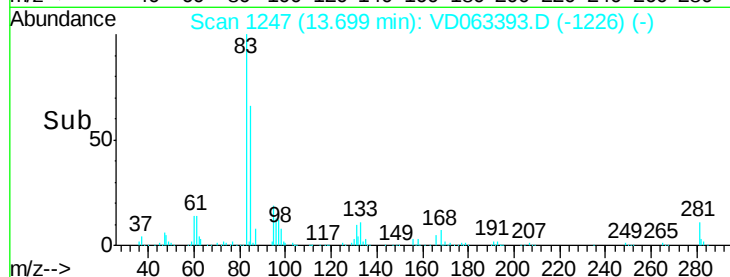
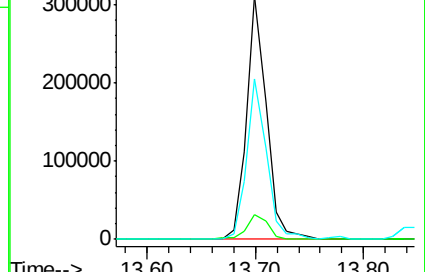
85 65.8 33.7 101.1



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 56.368 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD063393.D

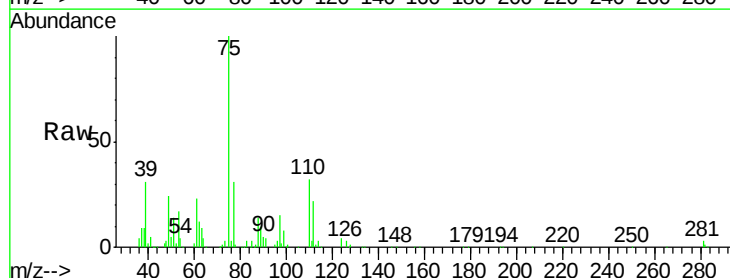
Acq: 6 Aug 2019 12:18

Tgt Ion: 75 Resp: 432934

Ion Ratio Lower Upper

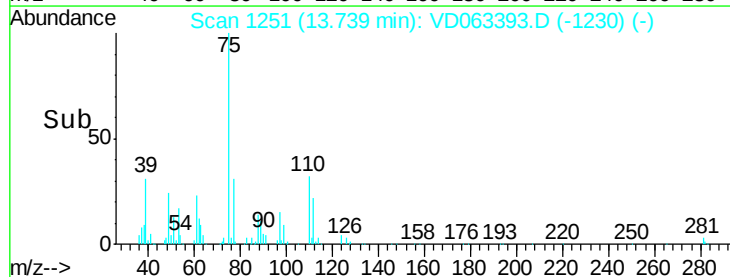
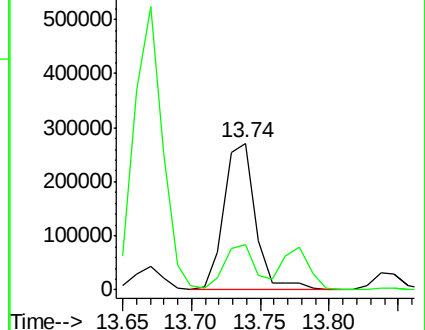
75 100

77 30.7 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: 54.193 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.01 min

Lab File: VD063393.D

Acq: 6 Aug 2019 12:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

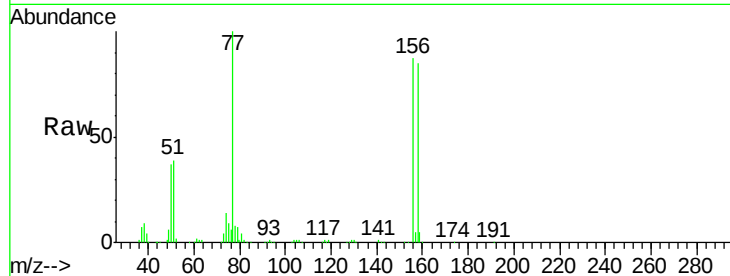
Tot Ion:156 Resp: 619570

Ion Ratio Lower Upper

156 100

77 115.2 67.6 202.8

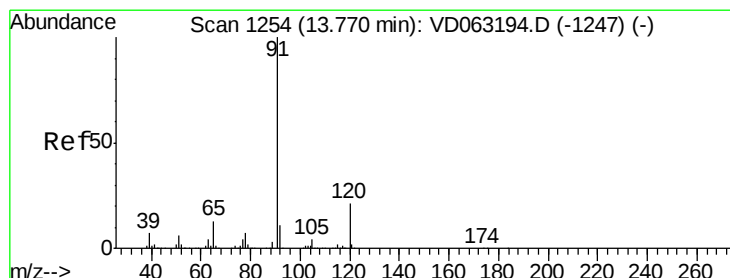
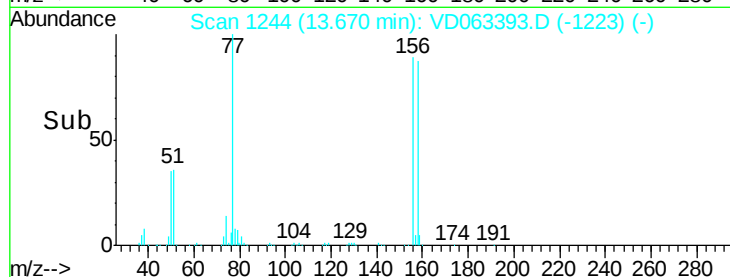
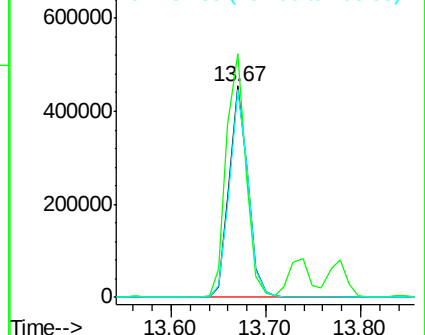
158 98.1 49.8 149.4



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: 55.521 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD063393.D

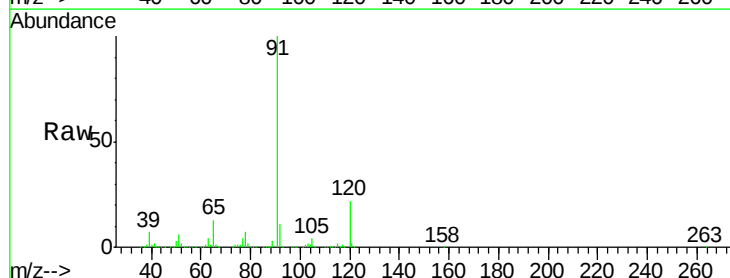
Acq: 6 Aug 2019 12:18

Tgt Ion: 91 Resp: 2651649

Ion Ratio Lower Upper

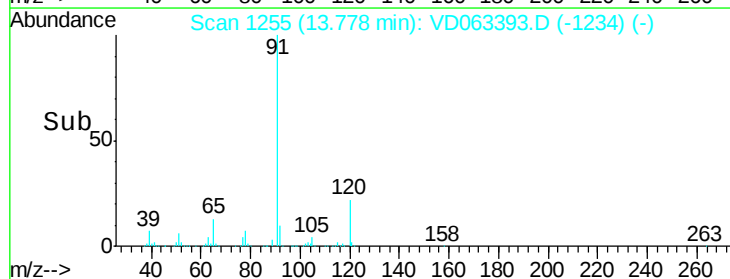
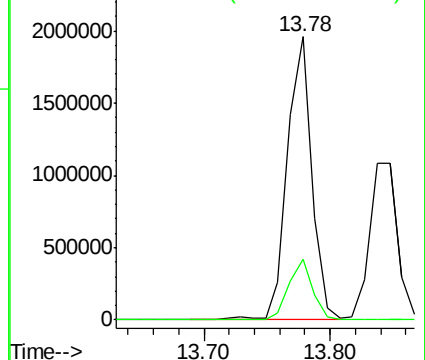
91 100

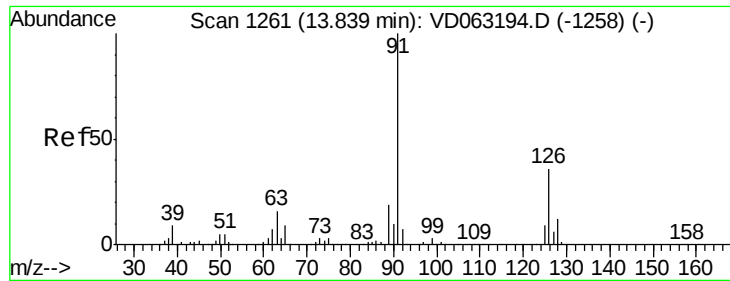
120 21.6 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 59.892 ug/l

RT: 13.85 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VD063393.D

Acq: 6 Aug 2019 12:18

Instrument :

MSVOA_D

ClientSampleId :

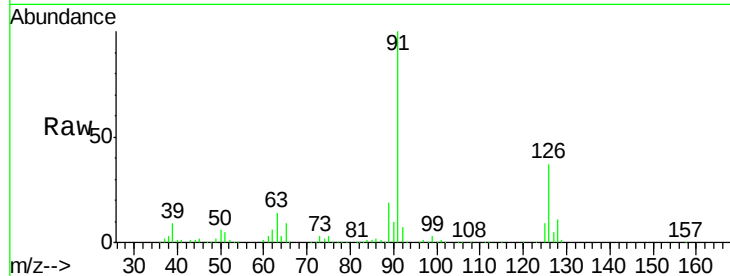
VSTDCCC050

Tot Ion: 91 Resp: 1657415

Ion Ratio Lower Upper

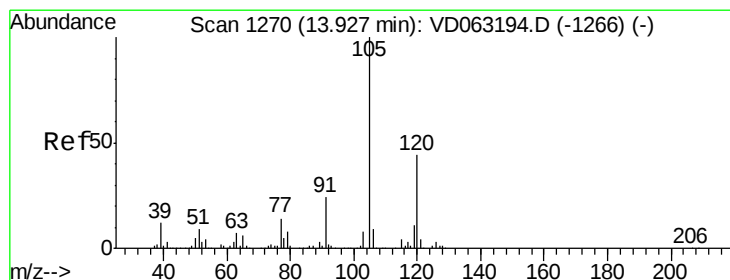
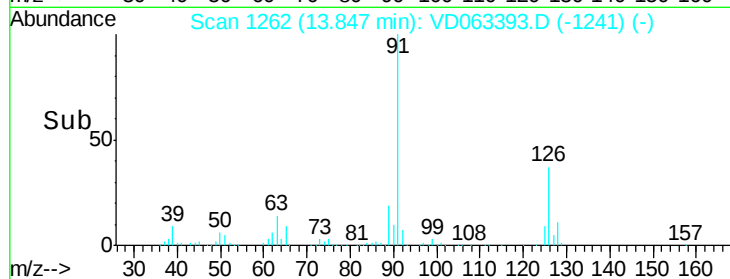
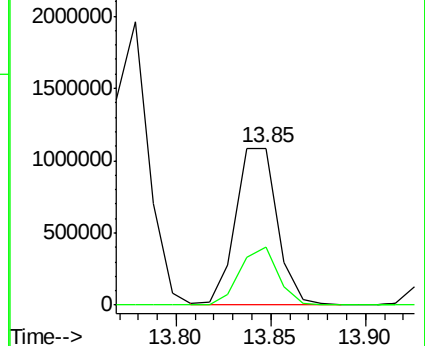
91 100

126 36.6 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 59.873 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VD063393.D

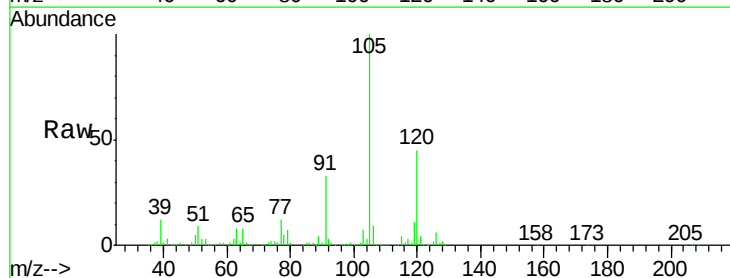
Acq: 6 Aug 2019 12:18

Tgt Ion:105 Resp: 2072490

Ion Ratio Lower Upper

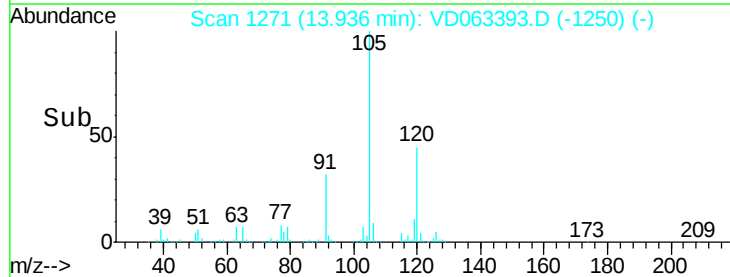
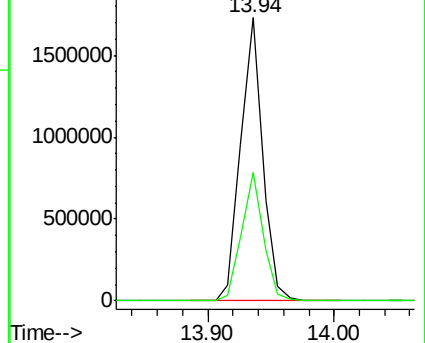
105 100

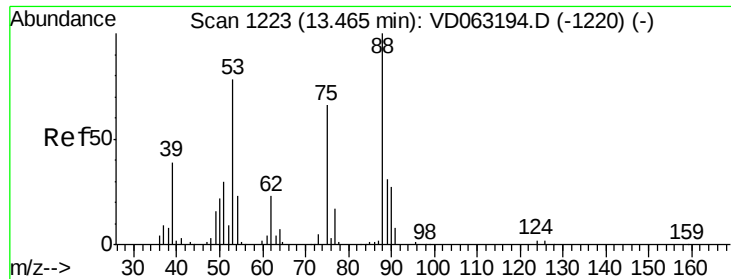
120 45.4 22.1 66.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

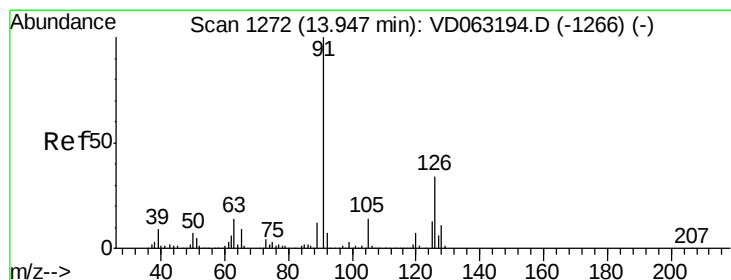
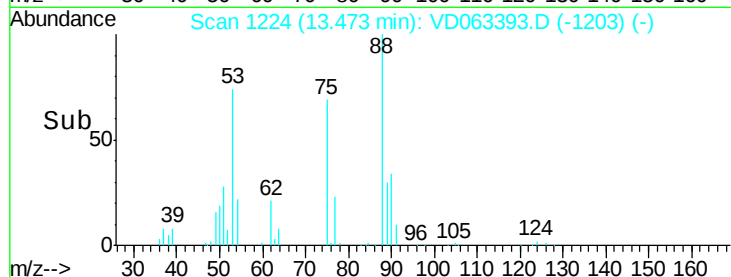
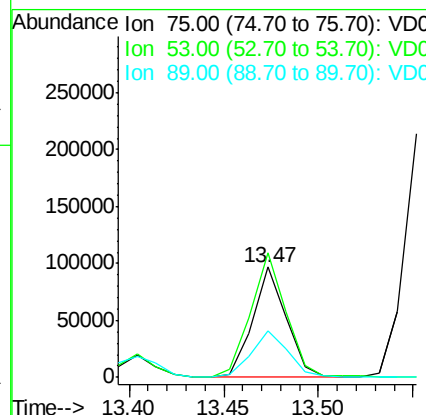
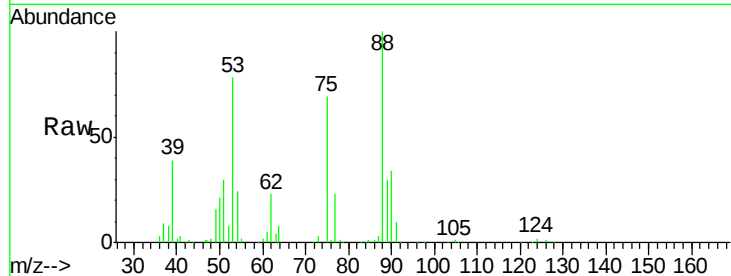




#81
trans-1,4-Dichloro-2-butene
Concen: 56.678 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. 0.01 min
Lab File: VD063393.D
Acq: 6 Aug 2019 12:18

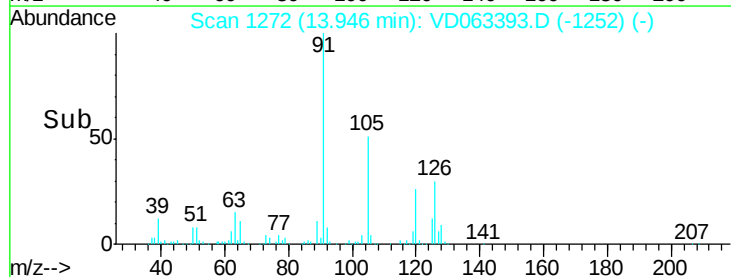
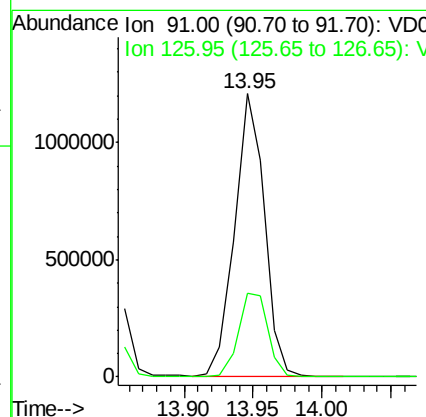
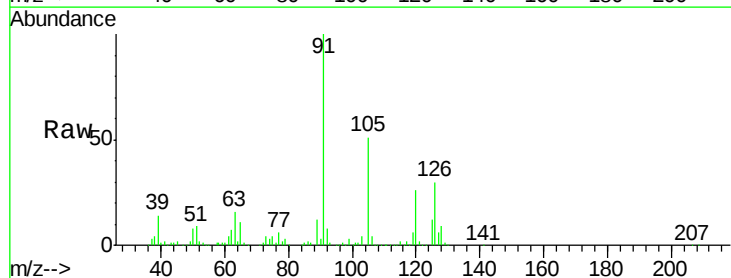
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 120878
Ion Ratio Lower Upper
75 100
53 113.0 94.9 142.3
89 42.9 37.4 56.0



#82
4-Chlorotoluene
Concen: 55.843 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VD063393.D
Acq: 6 Aug 2019 12:18

Tgt Ion: 91 Resp: 1818685
Ion Ratio Lower Upper
91 100
126 29.6 17.1 51.2

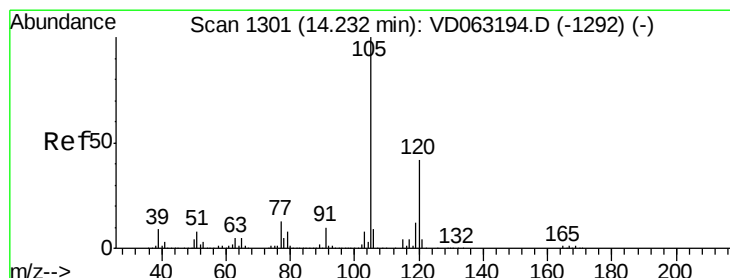
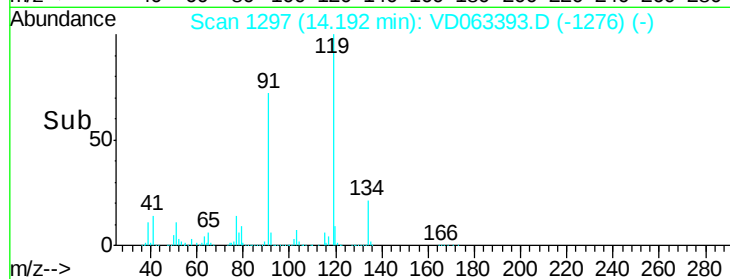
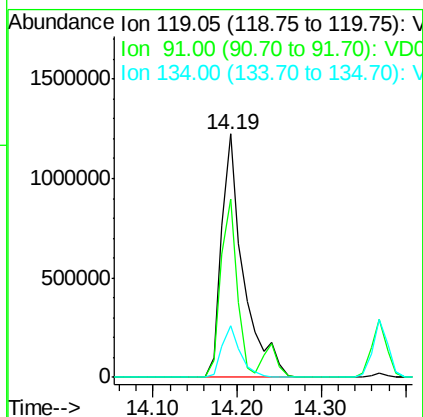
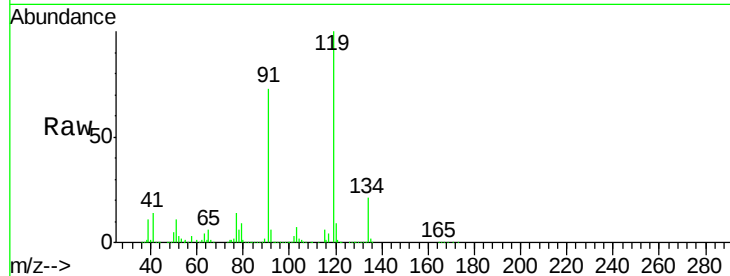




#83
 tert-Butylbenzene
 Concen: 56.156 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. 0.01 min
 Lab File: VD063393.D
 Acq: 6 Aug 2019 12:18

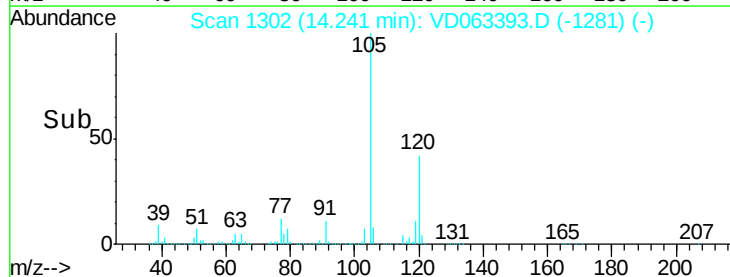
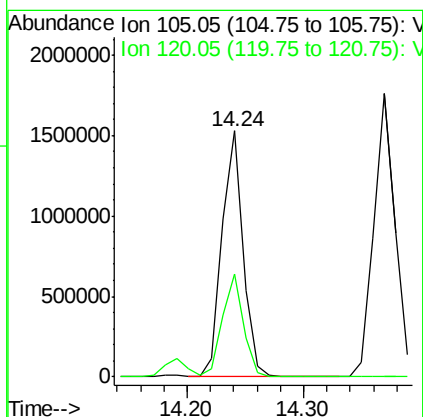
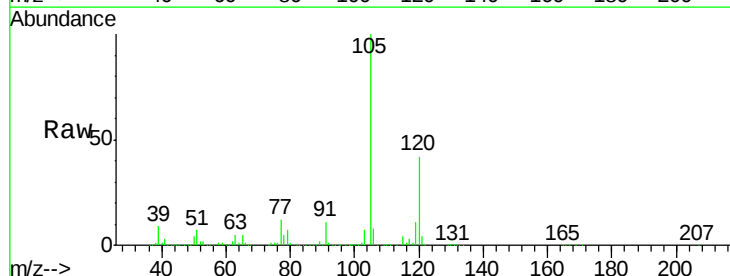
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

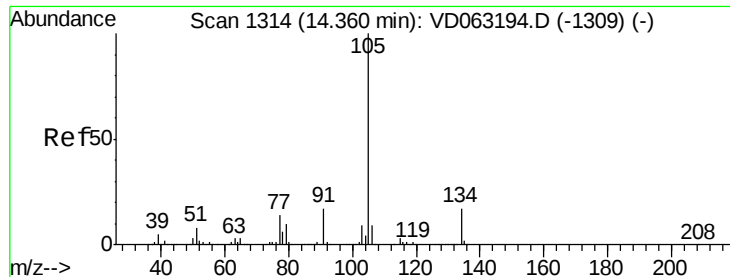
Tot Ion:119 Resp: 2219499
 Ion Ratio Lower Upper
 119 100
 91 73.3 39.1 117.5
 134 21.1 10.9 32.6



#84
 1,2,4-Trimethylbenzene
 Concen: 53.598 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.01 min
 Lab File: VD063393.D
 Acq: 6 Aug 2019 12:18

Tgt Ion:105 Resp: 1919009
 Ion Ratio Lower Upper
 105 100
 120 42.1 20.9 62.7





#85

sec-Butylbenzene

Concen: 53.622 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. 0.01 min

Lab File: VD063393.D

Acq: 6 Aug 2019 12:18

Instrument :

MSVOA_D

ClientSampleId :

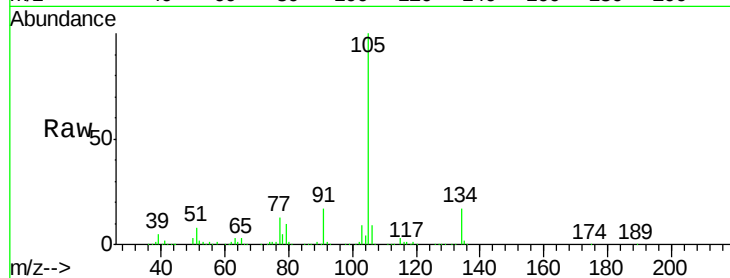
VSTDCCC050

Tot Ion:105 Resp: 2232881

Ion Ratio Lower Upper

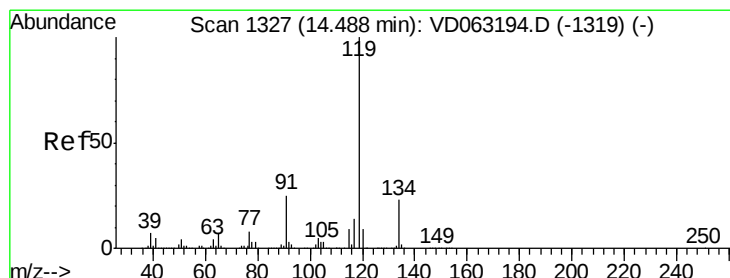
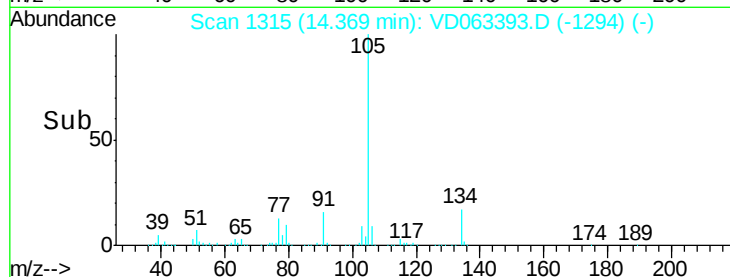
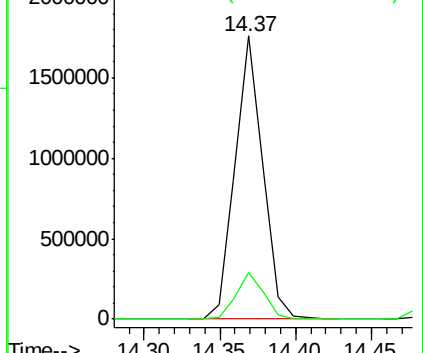
105 100

134 16.6 8.3 24.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 58.087 ug/l

RT: 14.50 min Scan# 1328

Delta R.T. 0.01 min

Lab File: VD063393.D

Acq: 6 Aug 2019 12:18

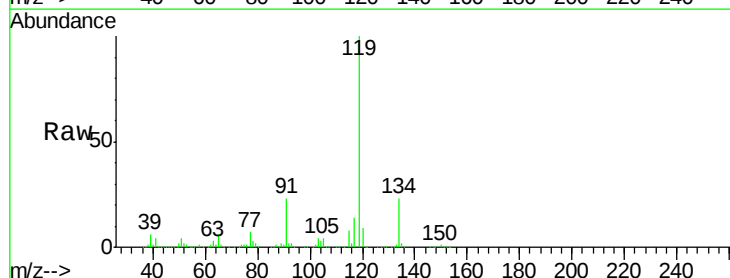
Tgt Ion:119 Resp: 2308628

Ion Ratio Lower Upper

119 100

134 23.0 11.5 34.5

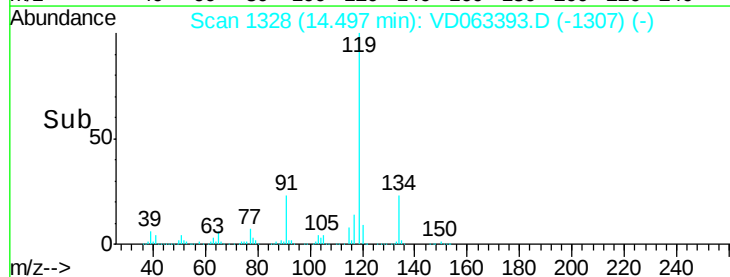
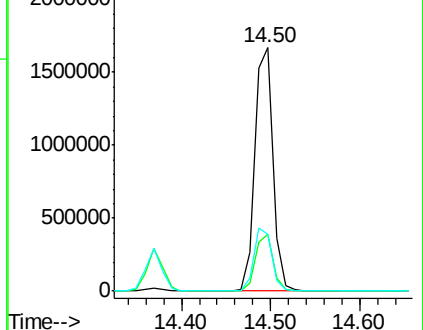
91 23.4 12.6 37.6

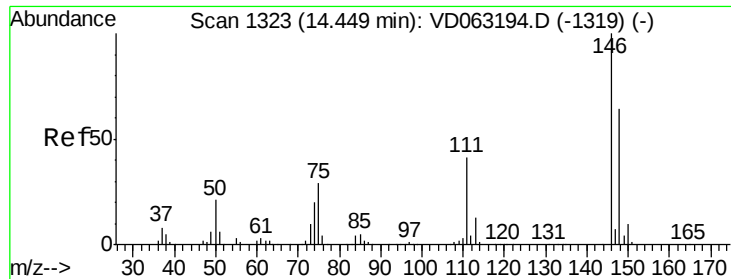


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

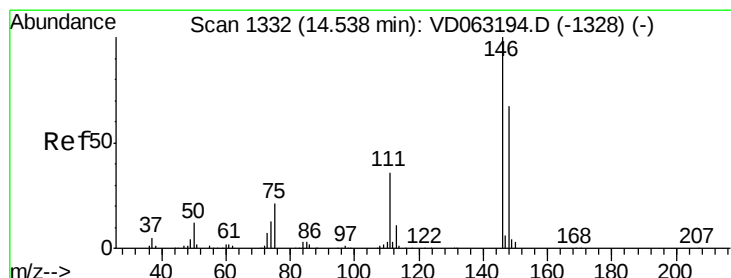
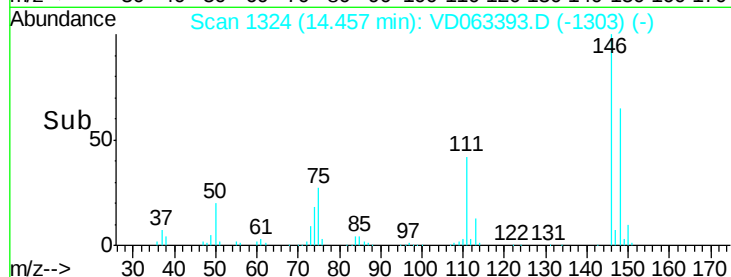
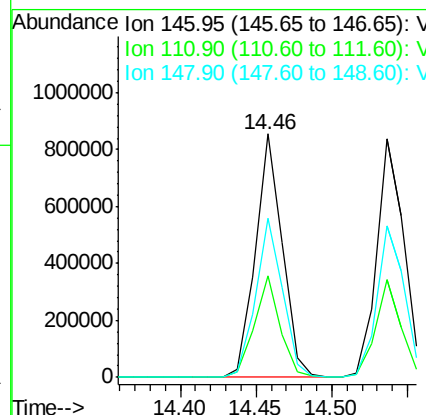
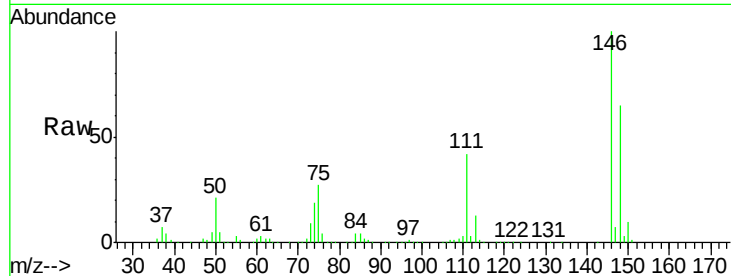




#87
 1,3-Dichlorobenzene
 Concen: 52.391 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.01 min
 Lab File: VD063393.D
 Acq: 6 Aug 2019 12:18

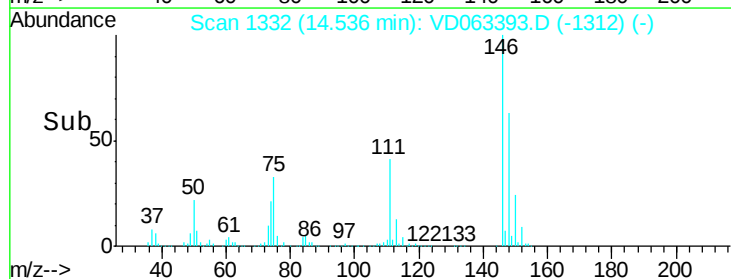
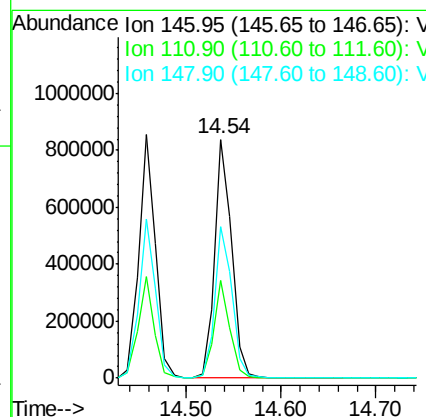
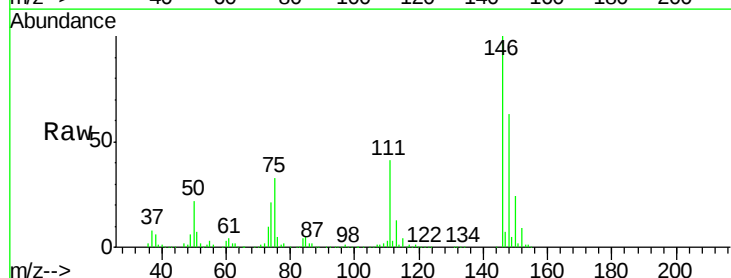
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

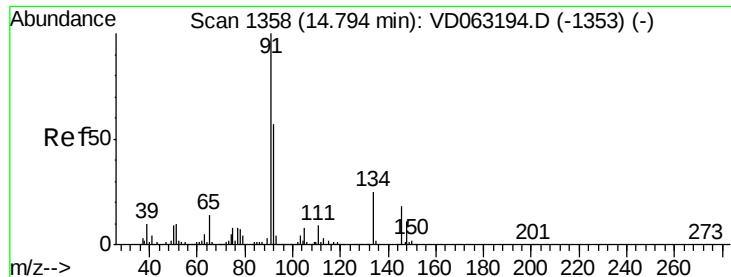
Tot Ion:146 Resp: 1060735
 Ion Ratio Lower Upper
 146 100
 111 41.9 20.4 61.3
 148 65.1 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 51.893 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD063393.D
 Acq: 6 Aug 2019 12:18

Tgt Ion:146 Resp: 1062432
 Ion Ratio Lower Upper
 146 100
 111 41.0 18.1 54.3
 148 63.4 33.4 100.1

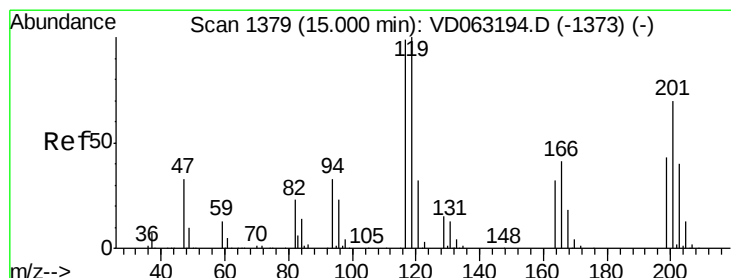
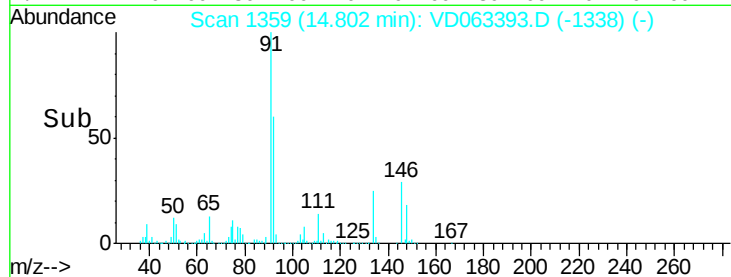
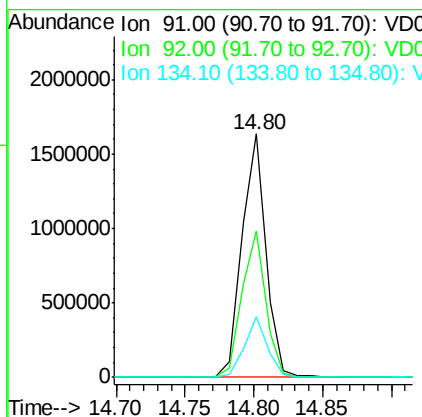
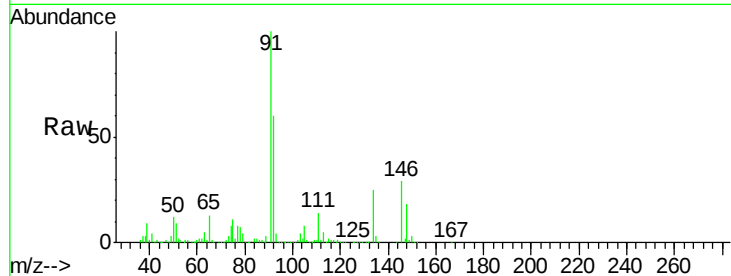




#89
n-Butylbenzene
Concen: 57.819 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. 0.01 min
Lab File: VD063393.D
Acq: 6 Aug 2019 12:18

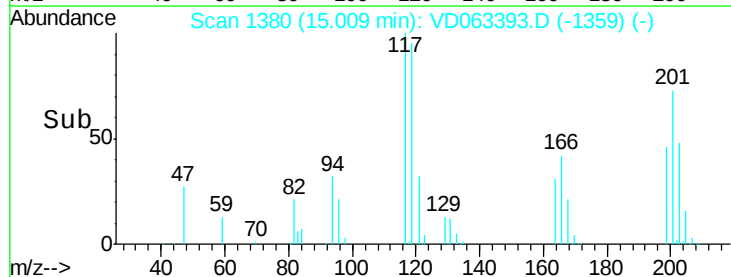
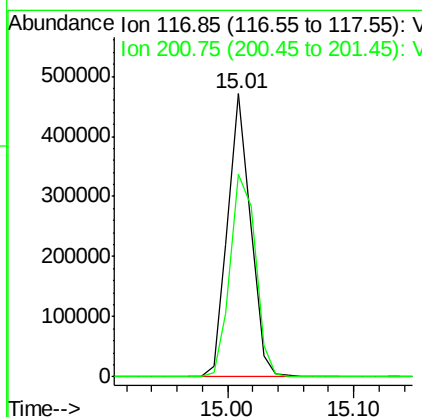
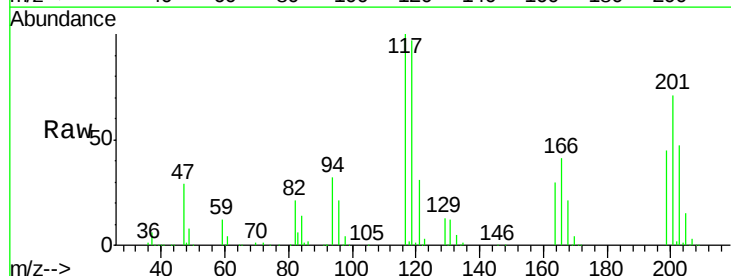
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

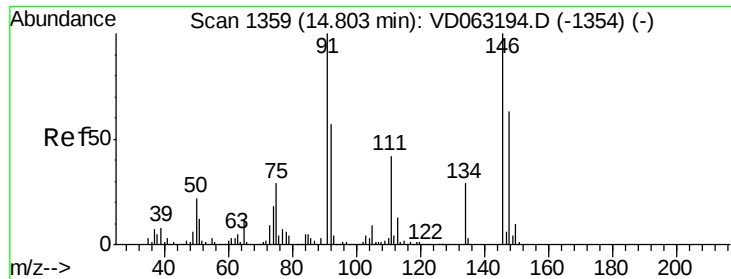
Tot Ion: 91 Resp: 1984733
Ion Ratio Lower Upper
91 100
92 60.1 28.3 85.0
134 25.0 12.3 36.8



#90
Hexachloroethane
Concen: 57.201 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. 0.01 min
Lab File: VD063393.D
Acq: 6 Aug 2019 12:18

Tgt Ion: 117 Resp: 592305
Ion Ratio Lower Upper
117 100
201 71.5 35.2 105.6





#91

1,2-Dichlorobenzene

Concen: 54.246 ug/l

RT: 14.81 min Scan# 1360

Delta R.T. 0.01 min

Lab File: VD063393.D

Acq: 6 Aug 2019 12:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

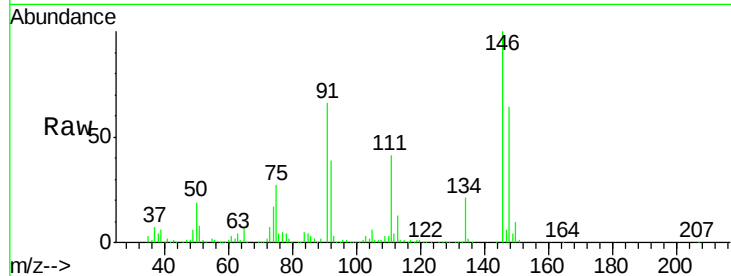
Tot Ion:146 Resp: 956927

Ion Ratio Lower Upper

146 100

111 41.4 21.1 63.3

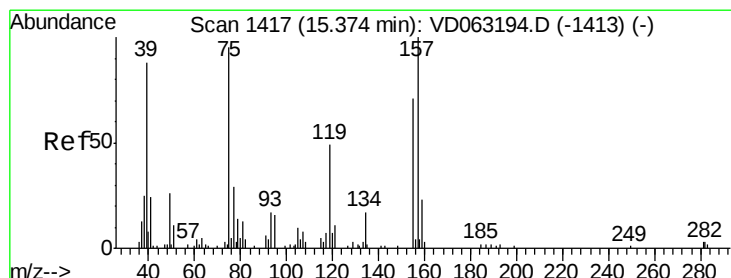
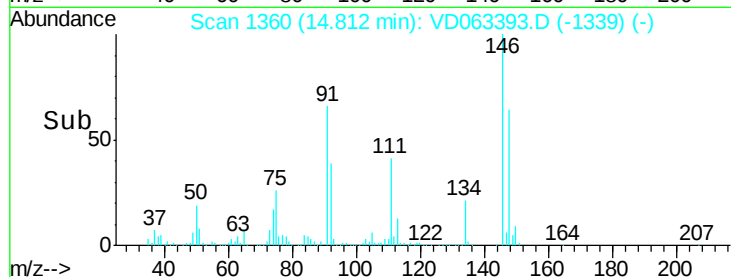
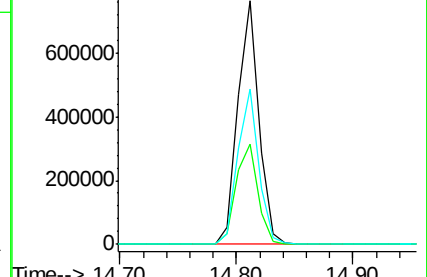
148 63.6 31.6 94.8



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: 53.403 ug/l

RT: 15.38 min Scan# 1418

Delta R.T. 0.01 min

Lab File: VD063393.D

Acq: 6 Aug 2019 12:18

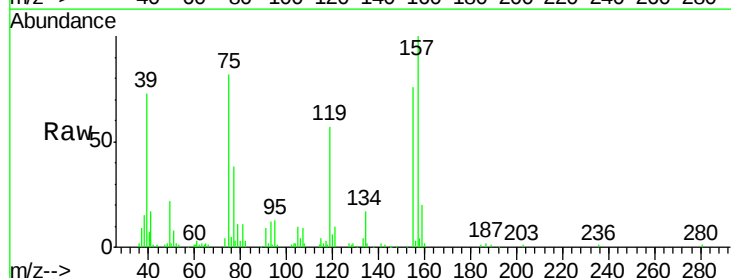
Tgt Ion: 75 Resp: 74157

Ion Ratio Lower Upper

75 100

155 92.5 37.0 111.0

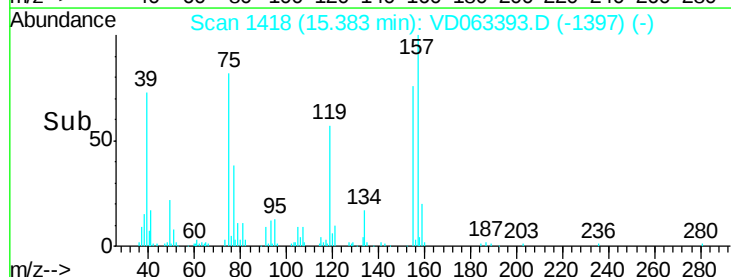
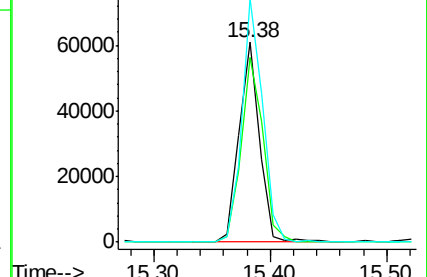
157 122.0 52.4 157.2

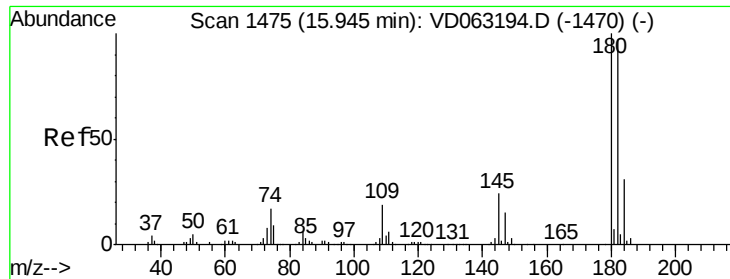


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

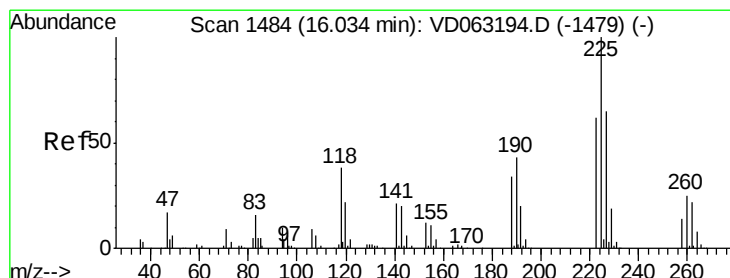
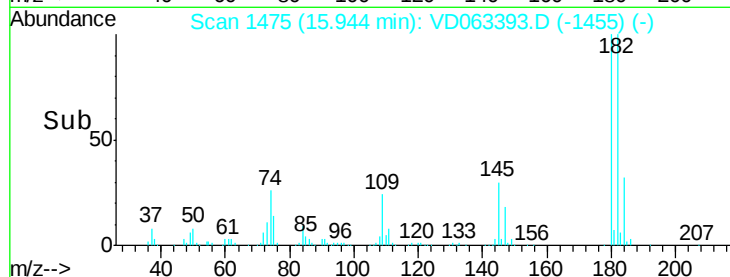
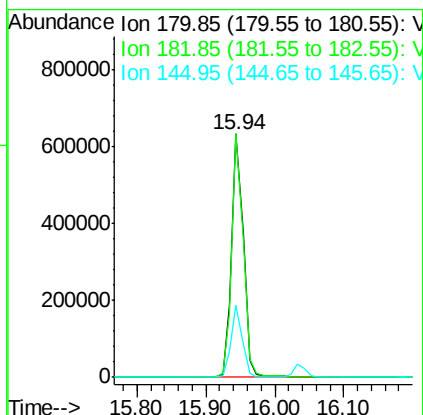
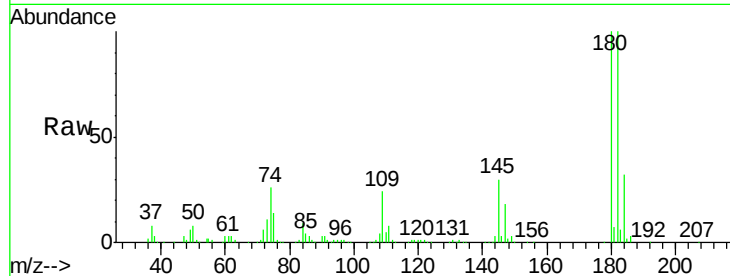




#93
 1,2,4-Trichlorobenzene
 Concen: 54.186 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD063393.D
 Acq: 6 Aug 2019 12:18

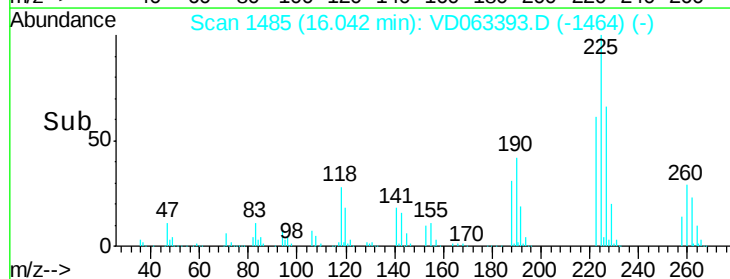
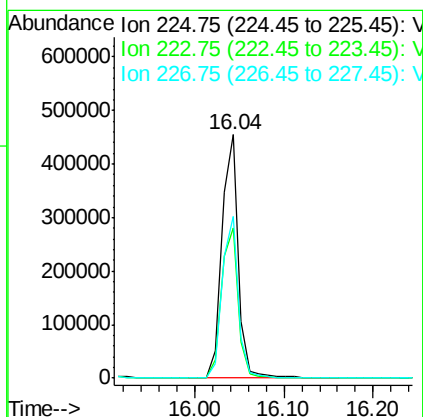
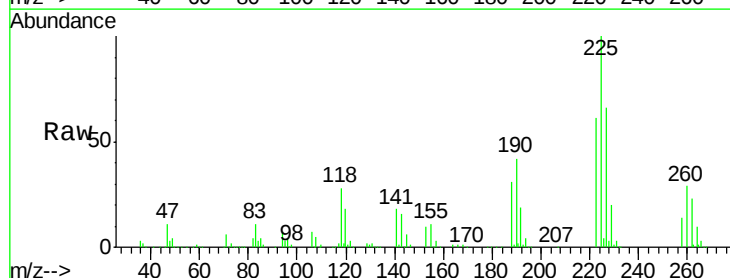
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 758285
 Ion Ratio Lower Upper
 180 100
 182 100.0 48.6 145.8
 145 29.8 12.2 36.6



#94
 Hexachlorobutadiene
 Concen: 58.131 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD063393.D
 Acq: 6 Aug 2019 12:18

Tgt Ion:225 Resp: 589521
 Ion Ratio Lower Upper
 225 100
 223 61.5 30.9 92.5
 227 66.2 32.6 97.7

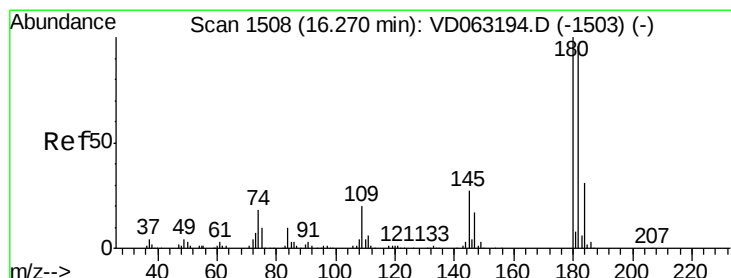
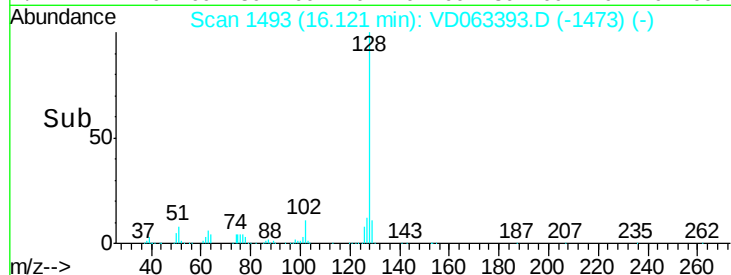
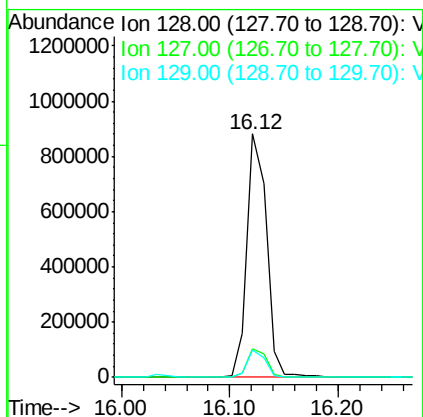
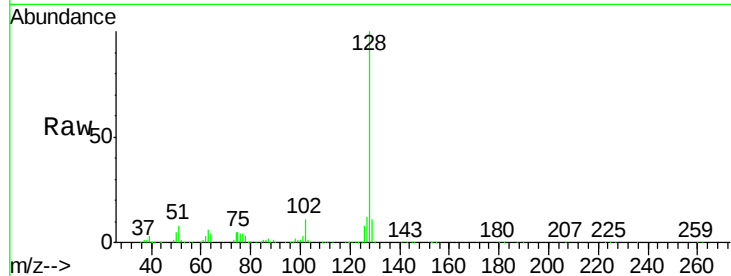




#95
Naphthalene
Concen: 56.216 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD063393.D
Acq: 6 Aug 2019 12:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 1111914
Ion Ratio Lower Upper
128 100
127 11.9 10.2 15.4
129 11.2 7.8 11.8



#96
1,2,3-Trichlorobenzene
Concen: 57.458 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD063393.D
Acq: 6 Aug 2019 12:18

Tgt Ion:180 Resp: 635217
Ion Ratio Lower Upper
180 100
182 94.5 48.3 144.9
145 29.3 13.6 40.7

