

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081319\
 Data File : VD063552.D
 Acq On : 14 Aug 2019 3:56
 Operator : JC/SY
 Sample : VD0813SBS02
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 14 08:33:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	977389	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1385307	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1199108	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	611856	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	580562	55.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.14%	
35) Dibromofluoromethane	6.93	113	640278	54.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.76%	
50) Toluene-d8	10.42	98	1343957	52.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.78%	
62) 4-Bromofluorobenzene	13.56	95	633035	54.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	229465	19.406	ug/l	95
3) Chloromethane	1.75	50	178069	19.274	ug/l	99
4) Vinyl Chloride	1.85	62	165912	18.090	ug/l	92
5) Bromomethane	2.15	94	90061	20.811	ug/l #	87
6) Chloroethane	2.26	64	91488	21.814	ug/l	98
7) Trichlorofluoromethane	2.53	101	355840	19.780	ug/l	97
8) Diethyl Ether	2.87	74	51304	20.199	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.15	101	213704	20.118	ug/l	99
10) Methyl Iodide	3.30	142	269805	17.951	ug/l	99
11) Tert butyl alcohol	4.08	59	52790	116.072	ug/l #	94
12) 1,1-Dichloroethene	3.13	96	152738	19.340	ug/l	83
13) Acrolein	3.05	56	37174	83.039	ug/l #	78
14) Allyl chloride	3.62	41	241844	20.370	ug/l	98
15) Acrylonitrile	4.21	53	138234	114.749	ug/l	96
16) Acetone	3.23	43	197424	92.959	ug/l	94
17) Carbon Disulfide	3.37	76	468140	18.782	ug/l	99
18) Methyl Acetate	3.65	43	109763	27.286	ug/l	96
19) Methyl tert-butyl Ether	4.25	73	371170	23.500	ug/l	99
20) Methylene Chloride	3.82	84	189739	20.661	ug/l	99
21) trans-1,2-Dichloroethene	4.23	96	167296	20.130	ug/l	91
22) Diisopropyl ether	5.13	45	500266	20.420	ug/l	92
23) Vinyl Acetate	5.07	43	1534265	107.722	ug/l	98
24) 1,1-Dichloroethane	4.99	63	315175	20.742	ug/l	97
25) 2-Butanone	6.08	43	231563	110.399	ug/l #	90
26) 2,2-Dichloropropane	6.03	77	297842	19.679	ug/l	98
27) cis-1,2-Dichloroethene	6.04	96	209337	23.022	ug/l	97
28) Bromochloromethane	6.45	49	125934	20.449	ug/l	96
29) Tetrahydrofuran	6.46	42	118229	120.964	ug/l	100
30) Chloroform	6.67	83	385007	20.384	ug/l	98
31) Cyclohexane	6.97	56	176489	18.709	ug/l	97
32) 1,1,1-Trichloroethane	6.88	97	358846	19.862	ug/l	94
36) 1,1-Dichloropropene	7.15	75	243472	19.881	ug/l	97
37) Ethyl Acetate	6.20	43	107925	21.031	ug/l	99
38) Carbon Tetrachloride	7.11	117	355734	19.274	ug/l	94

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Quant Time: Aug 14 08:33:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	205428	19.727	ug/l	96
40) Benzene	7.46	78	535127	19.856	ug/l	96
41) Methacrylonitrile	6.46	41	154520	23.915	ug/l #	94
42) 1,2-Dichloroethane	7.59	62	313811	23.157	ug/l	96
43) Isopropyl Acetate	9.25	43	146439	21.307	ug/l #	99
44) Trichloroethene	8.55	130	192968	18.733	ug/l	98
45) 1,2-Dichloropropane	8.95	63	140642	22.409	ug/l	97
46) Dibromomethane	9.07	93	123804	23.099	ug/l	93
47) Bromodichloromethane	9.38	83	302492	22.003	ug/l	99
48) Methyl methacrylate	9.13	41	101439	21.763	ug/l	93
49) 1,4-Dioxane	9.09	88	16086	401.653	ug/l #	66
51) 4-Methyl-2-Pentanone	10.31	43	520240	110.620	ug/l	98
52) Toluene	10.52	92	371573	21.406	ug/l	96
53) t-1,3-Dichloropropene	10.92	75	234897	20.936	ug/l	95
54) cis-1,3-Dichloropropene	10.05	75	247166	19.537	ug/l	96
55) 1,1,2-Trichloroethane	11.20	97	129749	22.128	ug/l	98
56) Ethyl methacrylate	11.05	69	143412	22.534	ug/l	98
57) 1,3-Dichloropropane	11.42	76	187924	21.202	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.87	63	373132	111.053	ug/l	96
59) 2-Hexanone	11.54	43	372411	108.829	ug/l	96
60) Dibromochloromethane	11.69	129	230274	21.582	ug/l	88
61) 1,2-Dibromoethane	11.81	107	154612	21.781	ug/l	97
64) Tetrachloroethene	11.27	164	188459	20.359	ug/l	97
65) Chlorobenzene	12.40	112	474577	21.117	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.52	131	196070	19.823	ug/l	91
67) Ethyl Benzene	12.53	91	764361	19.560	ug/l	94
68) m/p-Xylenes	12.68	106	540937	39.401	ug/l	92
69) o-Xylene	13.05	106	241092	18.246	ug/l	97
70) Styrene	13.08	104	420483	17.890	ug/l	96
71) Bromoform	13.24	173	141905	20.924	ug/l	95
73) Isopropylbenzene	13.41	105	796393	20.464	ug/l	100
74) N-amyl acetate	13.27	43	215934	22.103	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	140059	21.682	ug/l	99
76) 1,2,3-Trichloropropane	13.74	75	146643	20.883	ug/l	95
77) Bromobenzene	13.67	156	220541	20.735	ug/l	98
78) n-propylbenzene	13.78	91	828143	18.187	ug/l	99
79) 2-Chlorotoluene	13.85	91	525202	20.004	ug/l	88
80) 1,3,5-Trimethylbenzene	13.94	105	656104	19.295	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.47	75	29664	15.717	ug/l	91
82) 4-Chlorotoluene	13.95	91	638009	20.209	ug/l	94
83) tert-Butylbenzene	14.19	119	766459	21.405	ug/l	98
84) 1,2,4-Trimethylbenzene	14.24	105	667814	21.226	ug/l	92
85) sec-Butylbenzene	14.37	105	729554	19.186	ug/l	99
86) p-Isopropyltoluene	14.50	119	665099	18.293	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	406254	21.116	ug/l	95
88) 1,4-Dichlorobenzene	14.54	146	395761	21.441	ug/l	96
89) n-Butylbenzene	14.80	91	655027	19.739	ug/l	94
90) Hexachloroethane	15.01	117	194158	21.246	ug/l	97
91) 1,2-Dichlorobenzene	14.81	146	363065	22.243	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.38	75	24918	20.487	ug/l	88

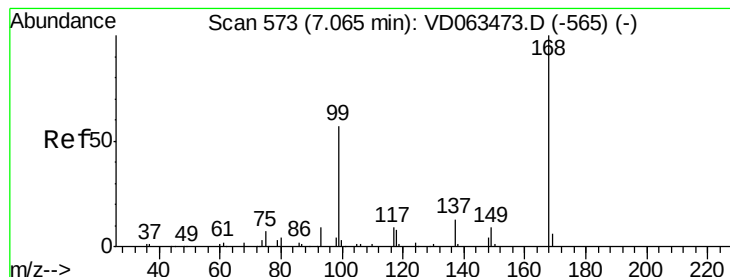
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD081319\
Data File : VD063552.D
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 10 06:42:47 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	241833	20.135	ug/l	98
94) Hexachlorobutadiene	16.04	225	171152	18.697	ug/l	95
95) Naphthalene	16.12	128	368909	20.267	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	194107	20.009	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.01 min

Lab File: VD063552.D

Acq: 14 Aug 2019 3:56

Instrument :

MSVOA_D

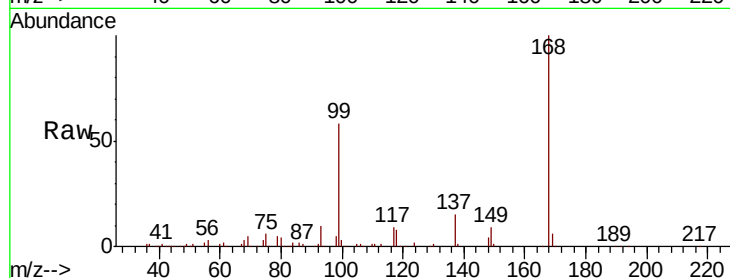
ClientSampleId :

Tot Ion:168 Resp: 977389

Ion Ratio Lower Upper

168 100

99 58.2 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

400000

300000

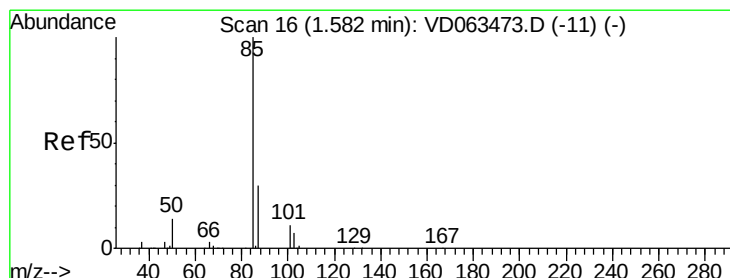
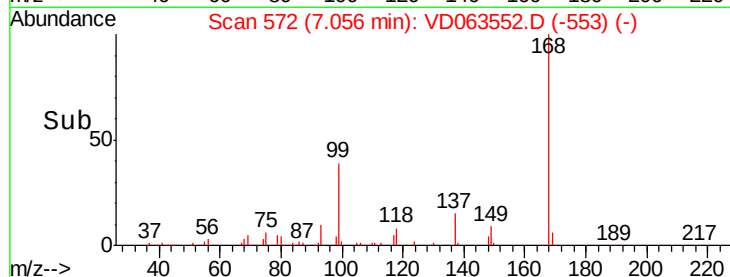
200000

100000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 19.406 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.01 min

Lab File: VD063552.D

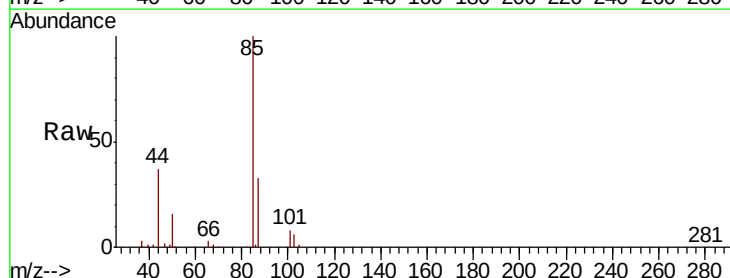
Acq: 14 Aug 2019 3:56

Tgt Ion: 85 Resp: 229465

Ion Ratio Lower Upper

85 100

87 32.8 15.0 45.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

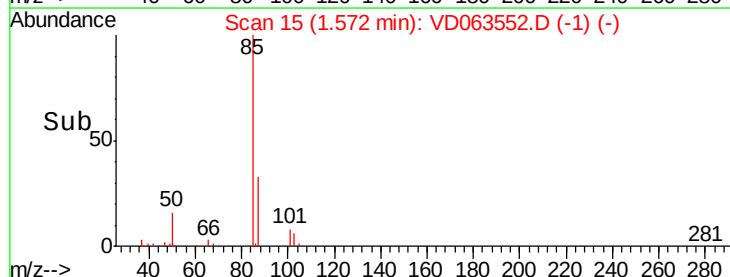
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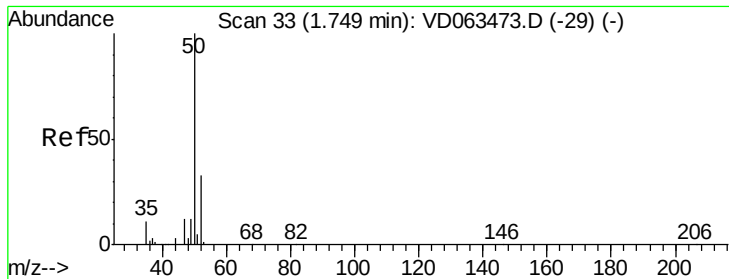
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 19.274 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.00 min

Lab File: VD063552.D

Acq: 14 Aug 2019 3:56

Instrument :

MSVOA_D

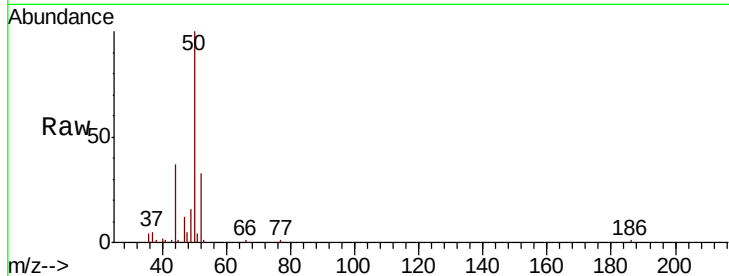
ClientSampleId :

Tot Ion: 50 Resp: 178069

Ion Ratio Lower Upper

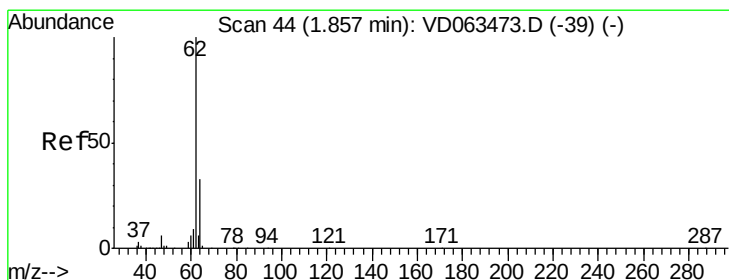
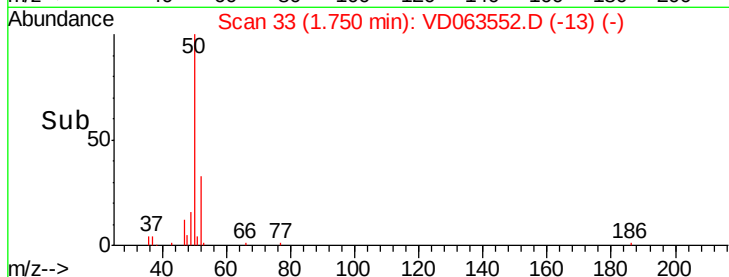
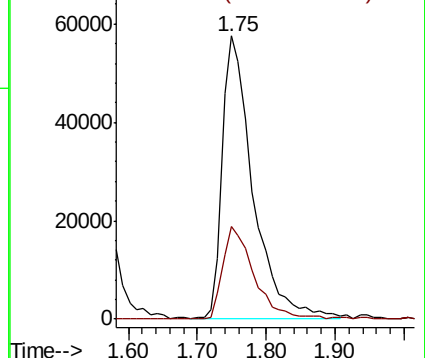
50 100

52 32.8 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 18.090 ug/l

RT: 1.85 min Scan# 43

Delta R.T. -0.01 min

Lab File: VD063552.D

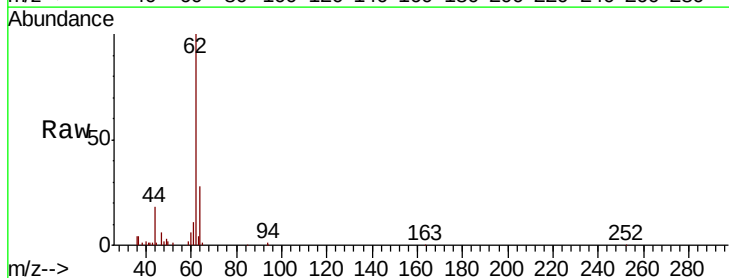
Acq: 14 Aug 2019 3:56

Tgt Ion: 62 Resp: 165912

Ion Ratio Lower Upper

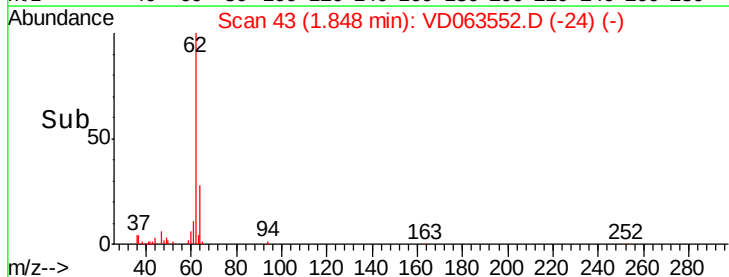
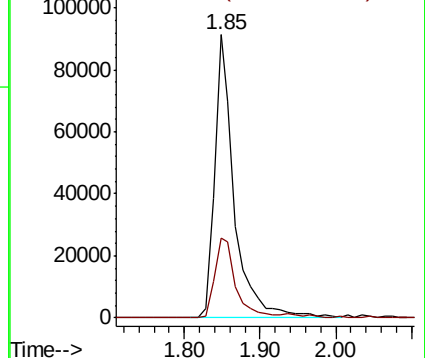
62 100

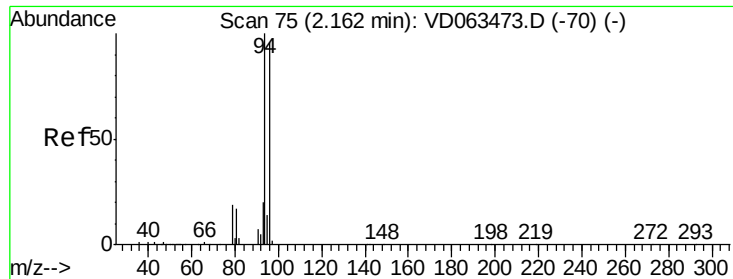
64 28.3 26.4 39.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 20.811 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.01 min

Lab File: VD063552.D

Acq: 14 Aug 2019 3:56

Instrument :

MSVOA_D

ClientSampleId :

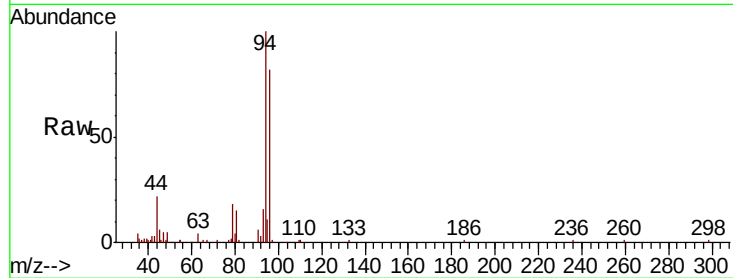
Tot Ion: 94 Resp: 90061

Ion Ratio Lower Upper

94 100

96 82.2 76.5 114.7

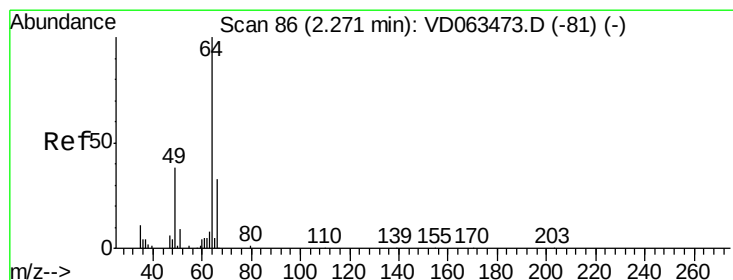
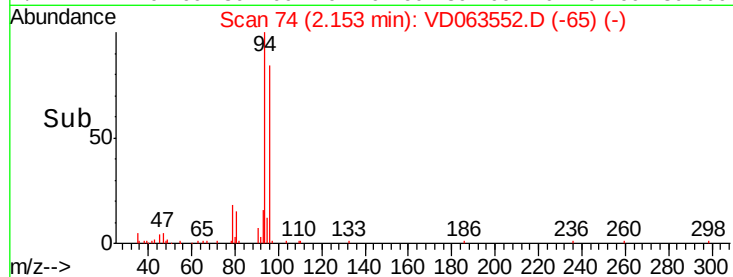
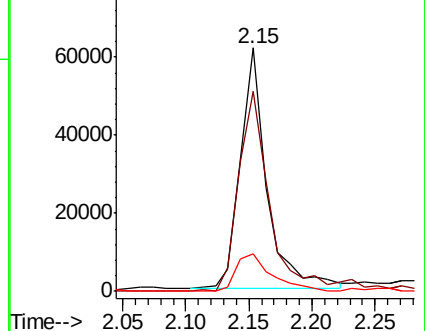
93 15.6 15.8 23.8#



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 21.814 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VD063552.D

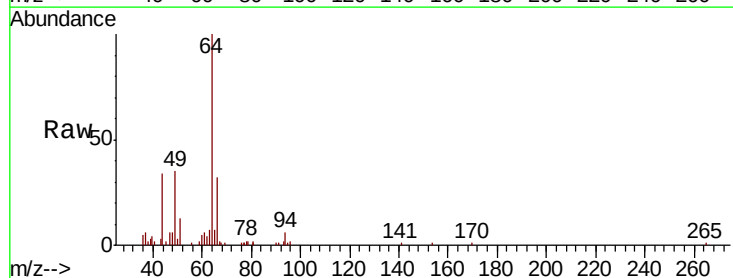
Acq: 14 Aug 2019 3:56

Tgt Ion: 64 Resp: 91488

Ion Ratio Lower Upper

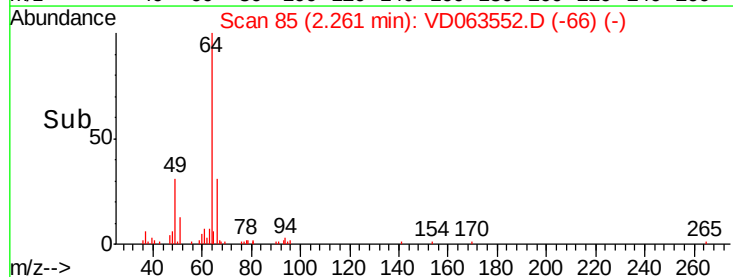
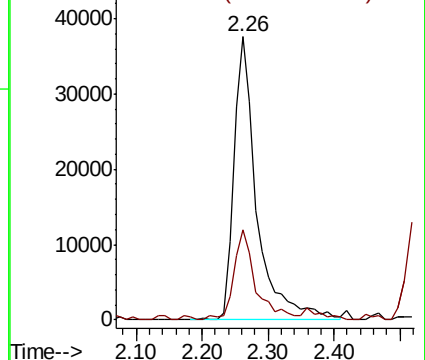
64 100

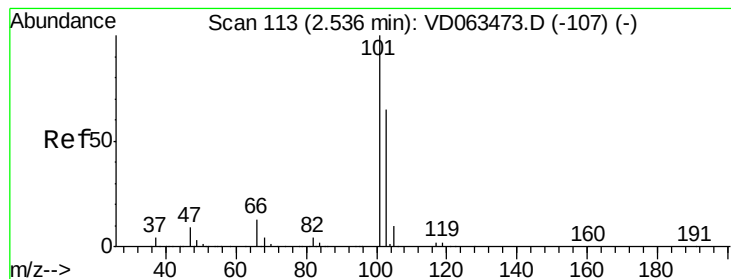
66 31.8 26.3 39.5



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



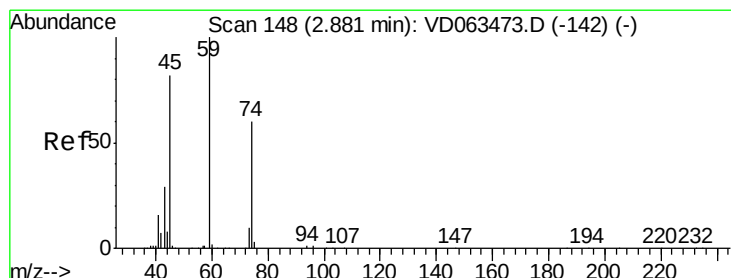
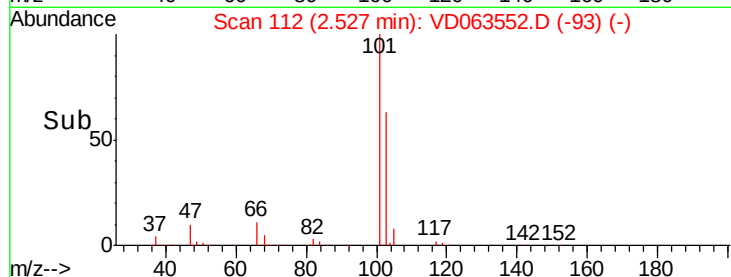
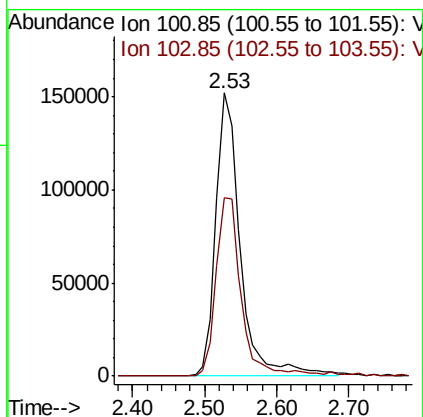
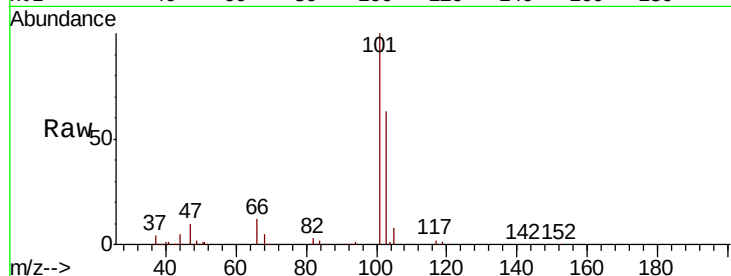


#7

Trichlorofluoromethane
Concen: 19.780 ug/l
RT: 2.53 min Scan# 112
Delta R.T. -0.01 min
Lab File: VD063552.D
Acq: 14 Aug 2019 3:56

Instrument :
MSVOA_D
ClientSampleId :

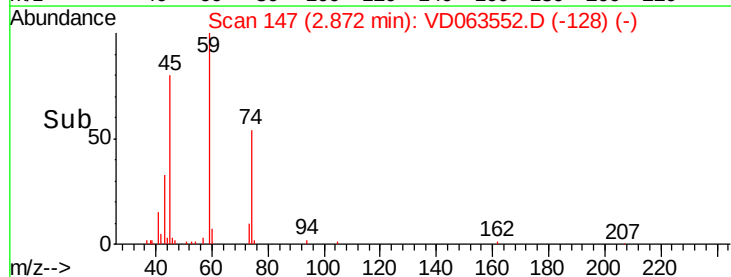
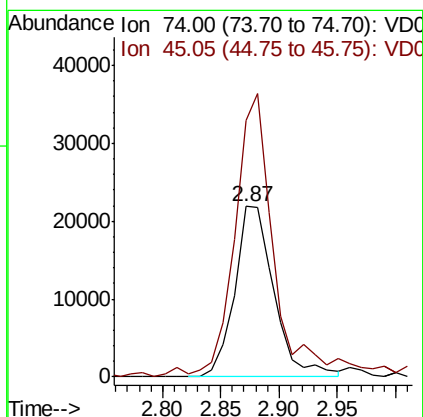
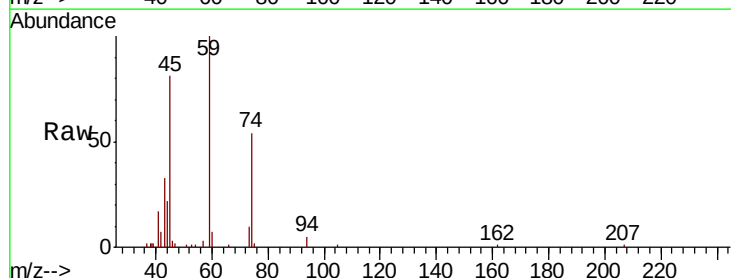
Tot Ion:101 Resp: 355840
Ion Ratio Lower Upper
101 100
103 62.9 52.2 78.4

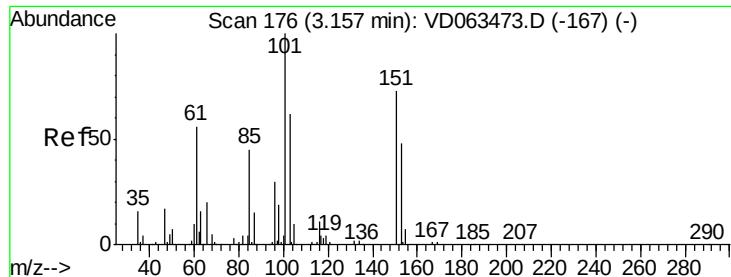


#8

Diethyl Ether
Concen: 20.199 ug/l
RT: 2.87 min Scan# 147
Delta R.T. -0.01 min
Lab File: VD063552.D
Acq: 14 Aug 2019 3:56

Tgt Ion: 74 Resp: 51304
Ion Ratio Lower Upper
74 100
45 150.7 68.5 205.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.118 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.01 min

Lab File: VD063552.D

Acq: 14 Aug 2019 3:56

Instrument :

MSVOA_D

ClientSampleId :

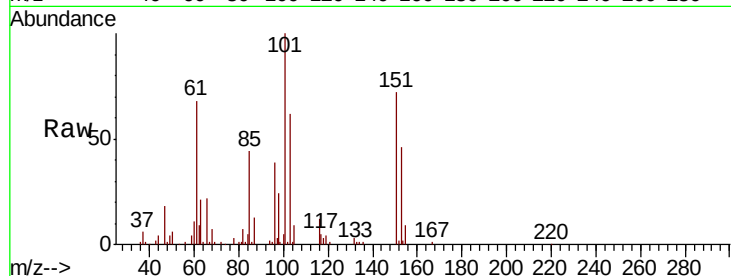
Tot Ion:101 Resp: 213704

Ion Ratio Lower Upper

101 100

85 44.2 35.8 53.6

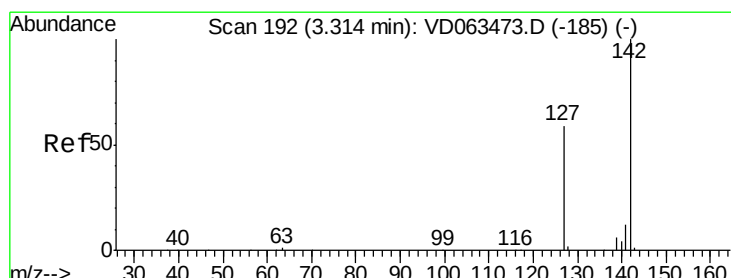
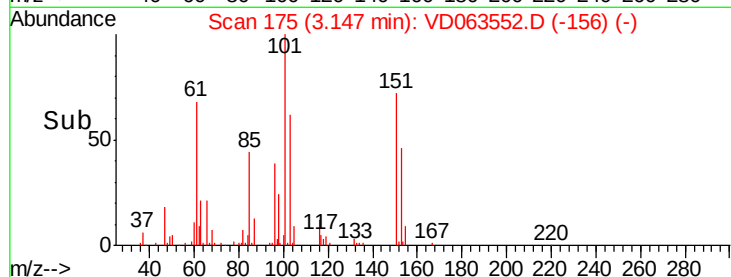
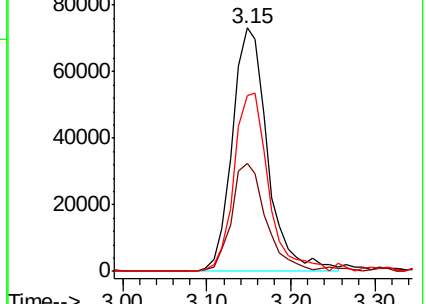
151 72.4 58.6 88.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 17.951 ug/l

RT: 3.30 min Scan# 191

Delta R.T. -0.01 min

Lab File: VD063552.D

Acq: 14 Aug 2019 3:56

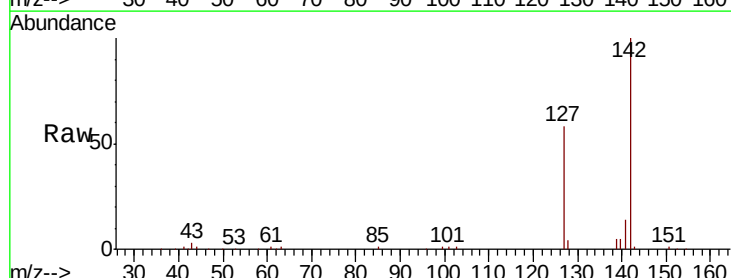
Tgt Ion:142 Resp: 269805

Ion Ratio Lower Upper

142 100

127 58.4 47.2 70.8

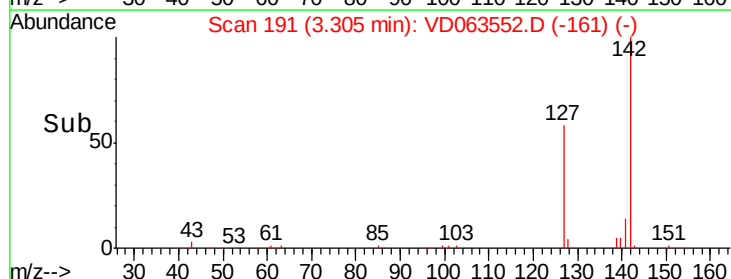
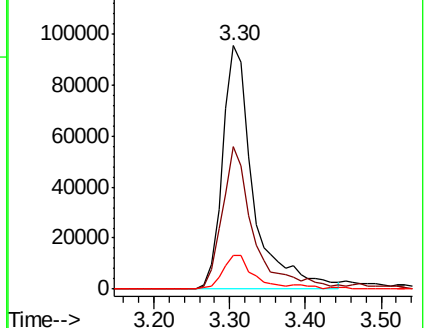
141 14.0 9.8 14.8

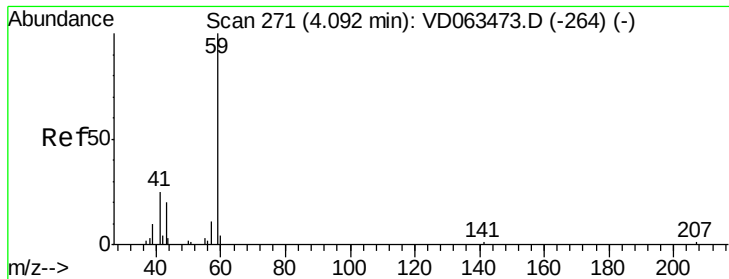


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



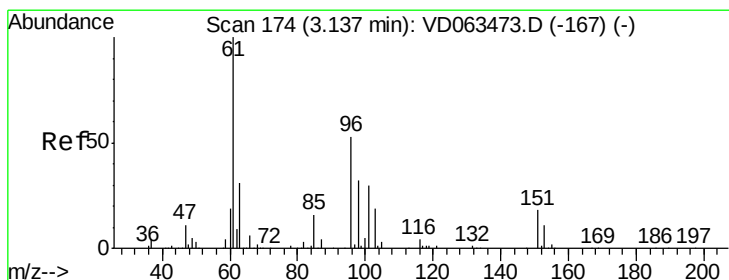
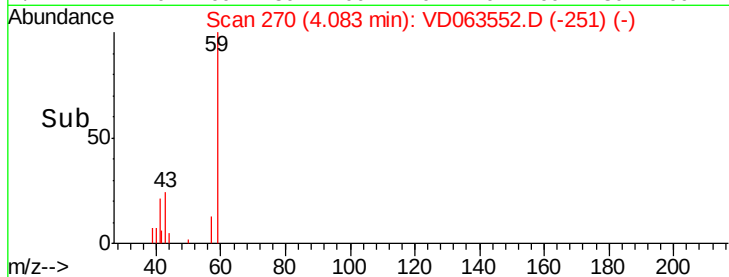
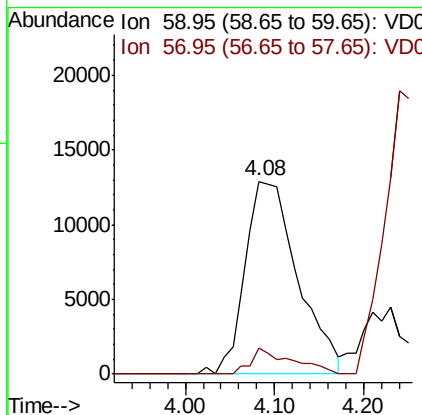
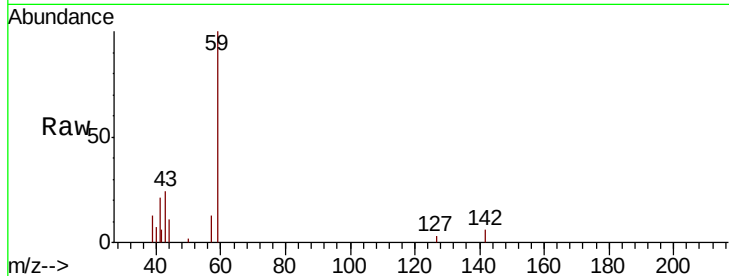


#11

Tert butyl alcohol
Concen: 116.072 ug/l
RT: 4.08 min Scan# 270
Delta R.T. -0.01 min
Lab File: VD063552.D
Acq: 14 Aug 2019 3:56

Instrument :
MSVOA_D
ClientSampleId :

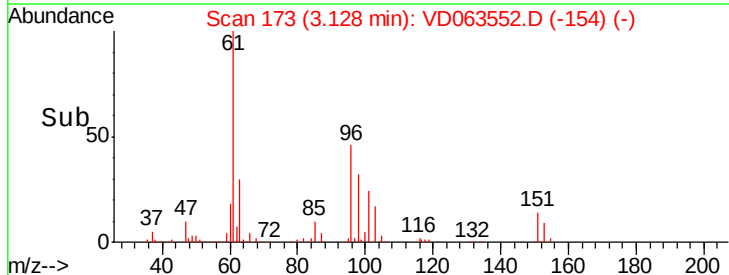
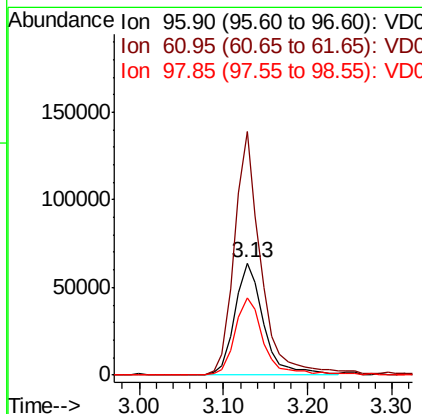
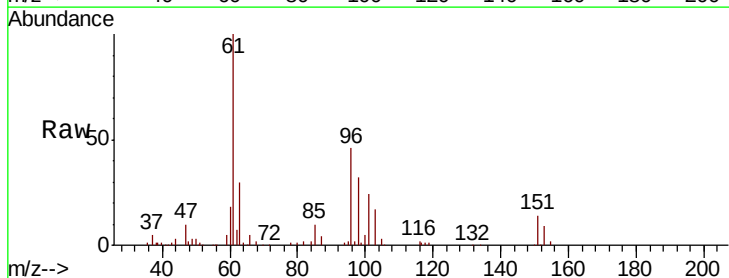
Tot Ion: 59 Resp: 52790
Ion Ratio Lower Upper
59 100
57 13.3 8.7 13.1#

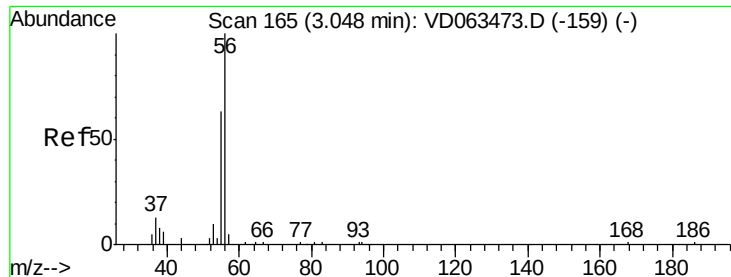


#12

1,1-Dichloroethene
Concen: 19.340 ug/l
RT: 3.13 min Scan# 173
Delta R.T. -0.01 min
Lab File: VD063552.D
Acq: 14 Aug 2019 3:56

Tgt Ion: 96 Resp: 152738
Ion Ratio Lower Upper
96 100
61 217.2 151.7 227.5
98 69.1 48.4 72.6





#13

Acrolein

Concen: 83.039 ug/l

RT: 3.05 min Scan# 165

Delta R.T. 0.00 min

Lab File: VD063552.D

Acq: 14 Aug 2019 3:56

Instrument :

MSVOA_D

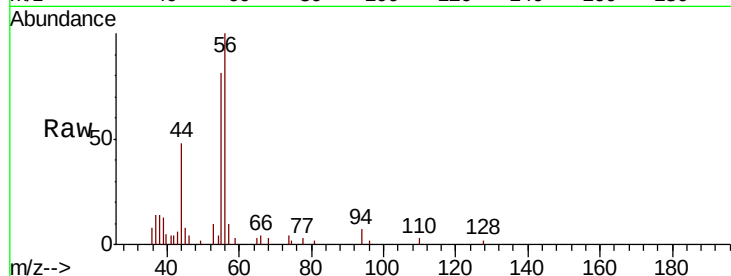
ClientSampleId :

Tot Ion: 56 Resp: 37174

Ion Ratio Lower Upper

56 100

55 81.3 51.3 76.9#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

15000

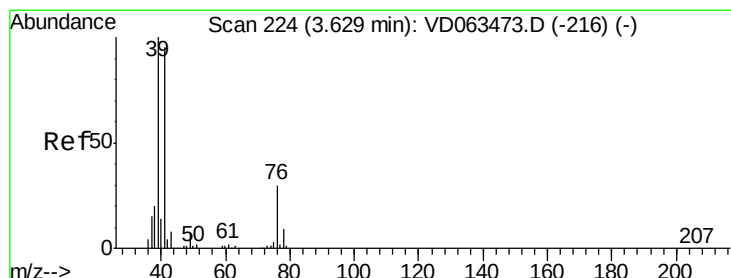
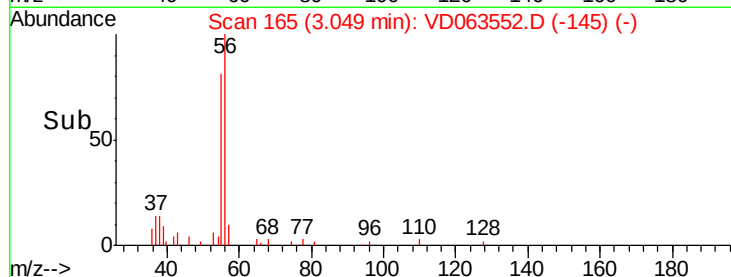
10000

5000

0

Time--> 2.90 3.00 3.10 3.20

3.05



#14

Allyl chloride

Concen: 20.370 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.01 min

Lab File: VD063552.D

Acq: 14 Aug 2019 3:56

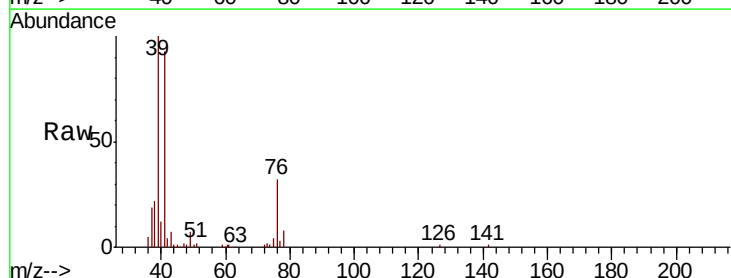
Tgt Ion: 41 Resp: 241844

Ion Ratio Lower Upper

41 100

39 107.3 84.2 126.4

76 33.8 26.0 39.0



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

120000

100000

80000

60000

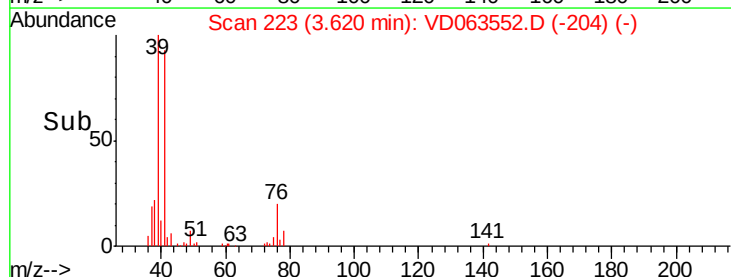
40000

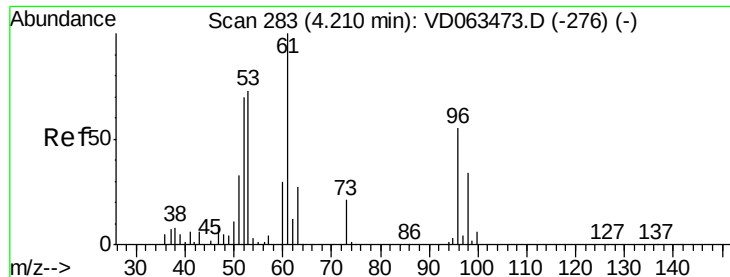
20000

0

Time--> 3.50 3.60 3.70 3.80

3.62





#15

Acrylonitrile

Concen: 114.749 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.00 min

Lab File: VD063552.D

Acq: 14 Aug 2019 3:56

Instrument :
MSVOA_D
ClientSampled :

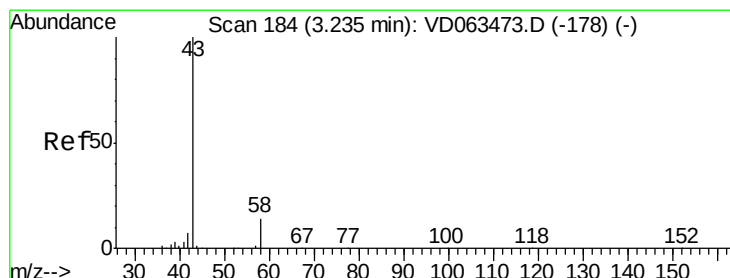
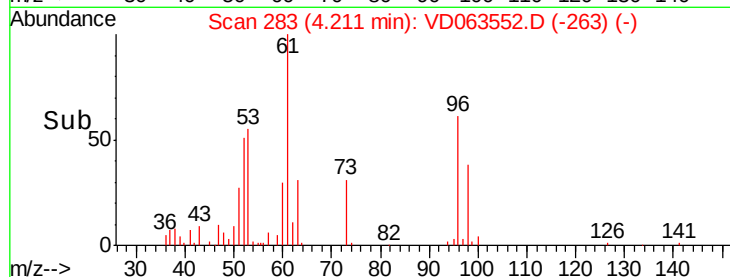
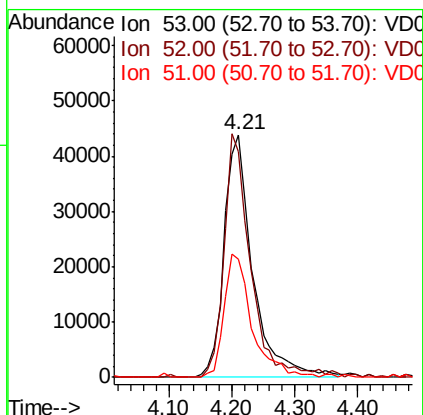
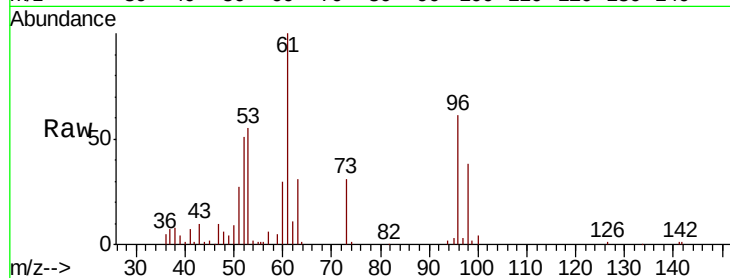
Tot Ion: 53 Resp: 138234

Ion Ratio Lower Upper

53 100

52 93.1 77.4 116.0

51 48.8 36.7 55.1



#16

Acetone

Concen: 92.959 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.01 min

Lab File: VD063552.D

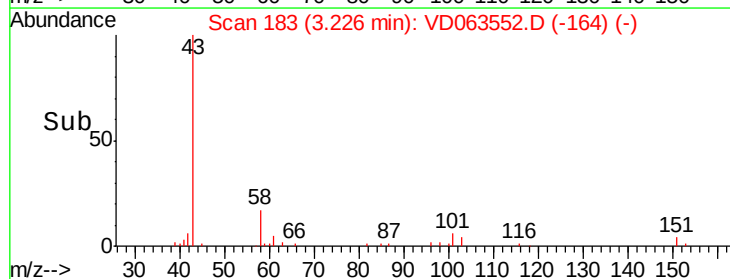
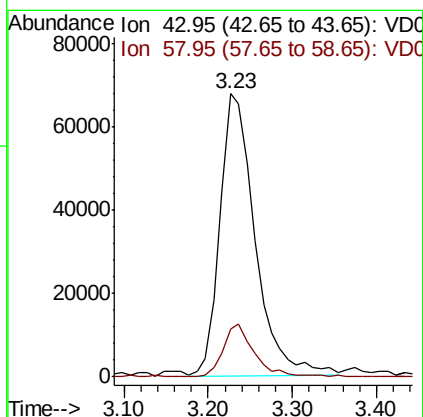
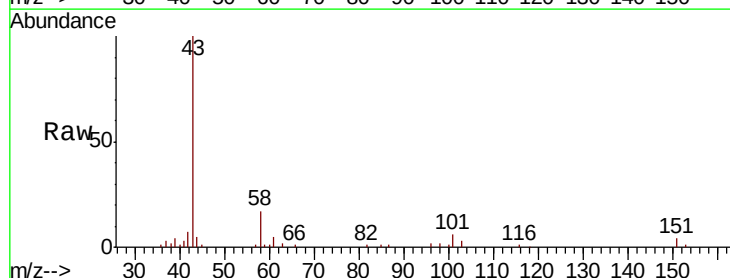
Acq: 14 Aug 2019 3:56

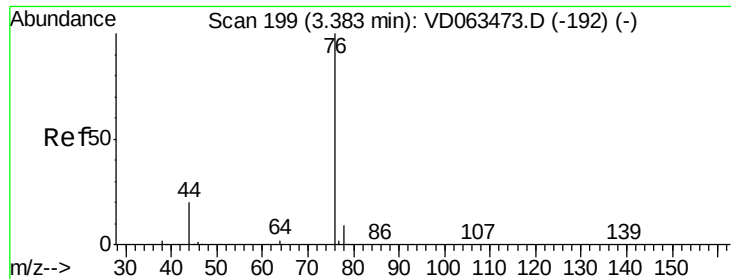
Tgt Ion: 43 Resp: 197424

Ion Ratio Lower Upper

43 100

58 16.9 11.4 17.2

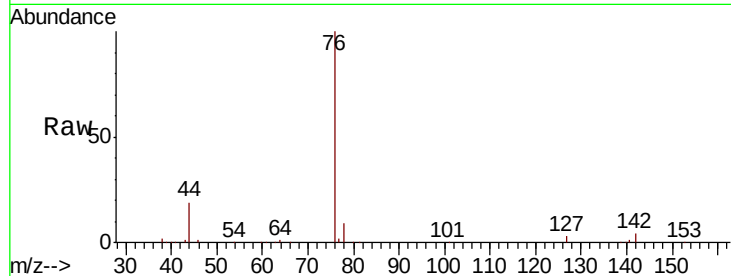




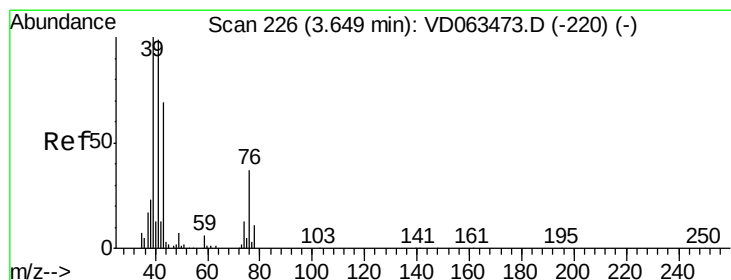
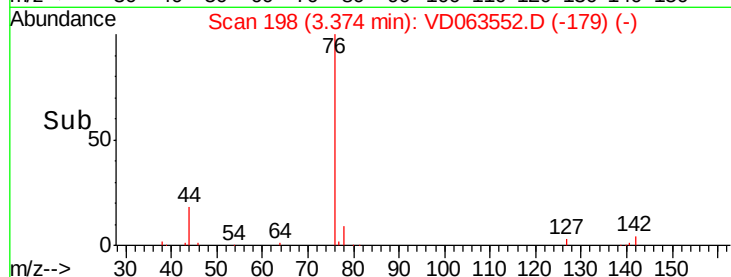
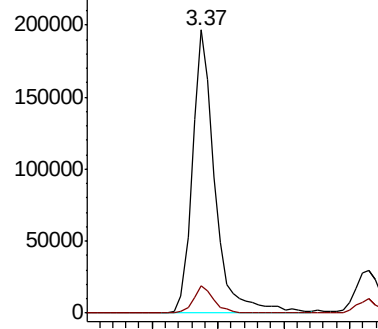
#17
Carbon Disulfide
Concen: 18.782 ug/l
RT: 3.37 min Scan# 198
Delta R.T. -0.01 min
Lab File: VD063552.D
Acq: 14 Aug 2019 3:56

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 76 Resp: 468140
Ion Ratio Lower Upper
76 100
78 9.5 7.4 11.0

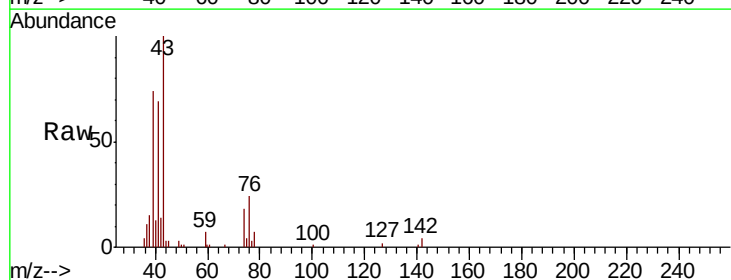


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

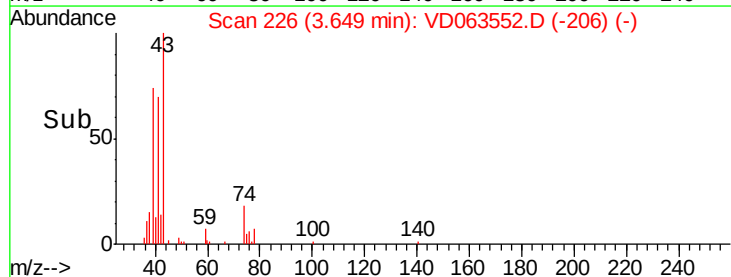
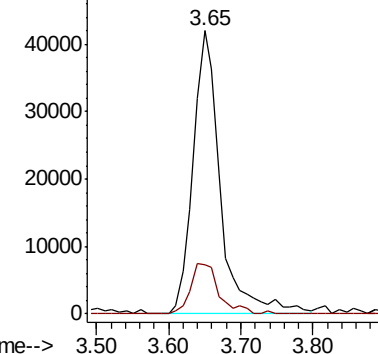


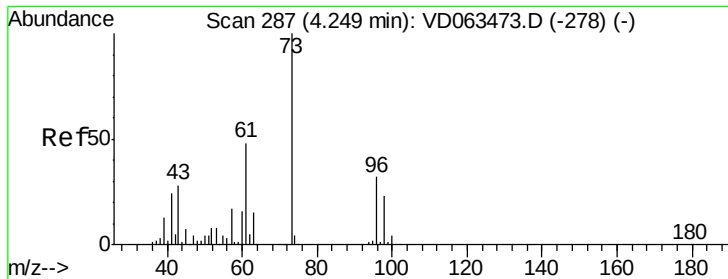
#18
Methyl Acetate
Concen: 27.286 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.00 min
Lab File: VD063552.D
Acq: 14 Aug 2019 3:56

Tgt Ion: 43 Resp: 109763
Ion Ratio Lower Upper
43 100
74 17.6 15.4 23.2



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC

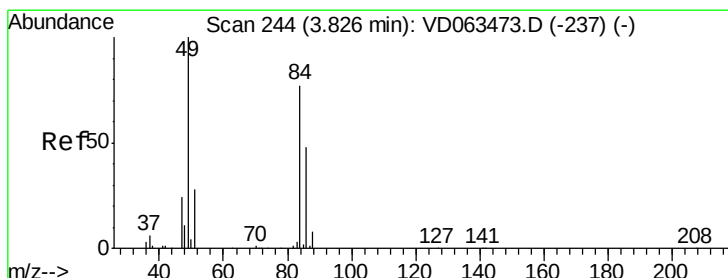
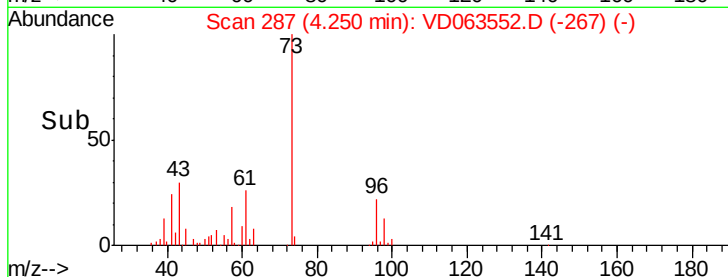
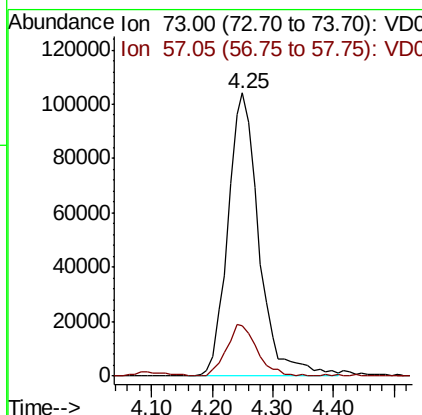
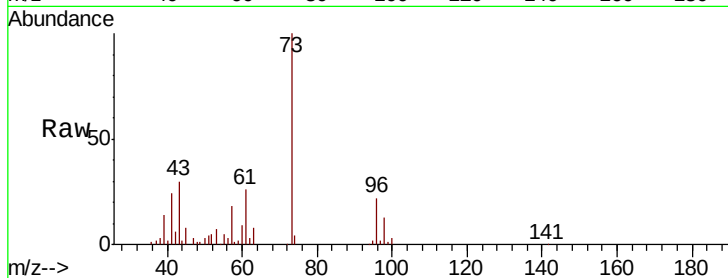




#19
Methyl tert-butyl Ether
Concen: 23.500 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.00 min
Lab File: VD063552.D
Acq: 14 Aug 2019 3:56

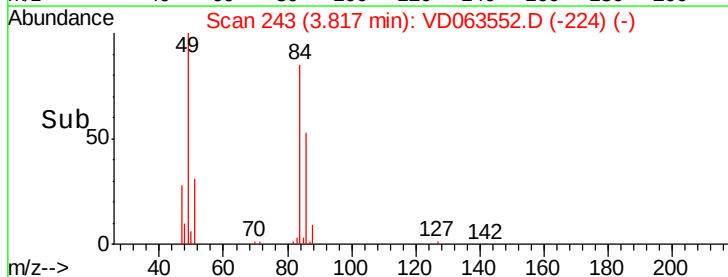
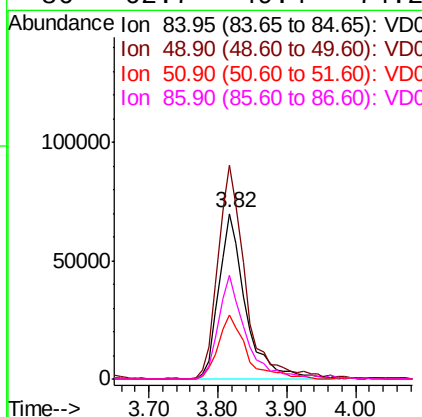
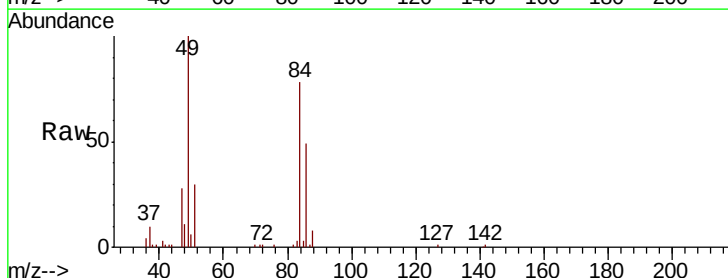
Instrument :
MSVOA_D
ClientSampled :

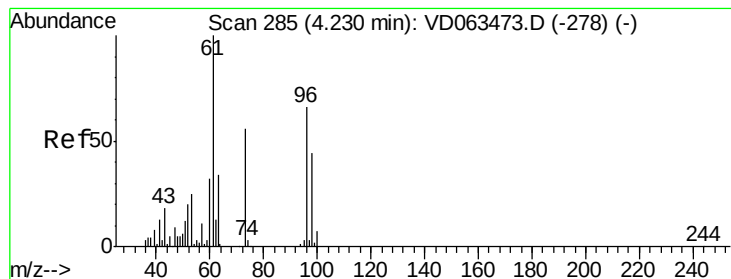
Tot Ion: 73 Resp: 371170
Ion Ratio Lower Upper
73 100
57 17.7 14.0 21.0



#20
Methylene Chloride
Concen: 20.661 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.01 min
Lab File: VD063552.D
Acq: 14 Aug 2019 3:56

Tgt Ion: 84 Resp: 189739
Ion Ratio Lower Upper
84 100
49 128.9 103.4 155.2
51 39.0 28.5 42.7
86 62.7 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 20.130 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.00 min

Lab File: VD063552.D

Acq: 14 Aug 2019 3:56

Instrument :

MSVOA_D

ClientSampled :

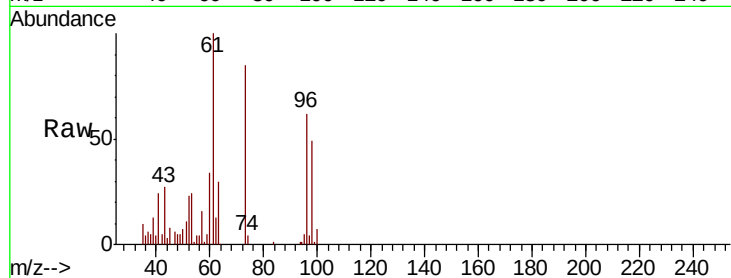
Tot Ion: 96 Resp: 167296

Ion Ratio Lower Upper

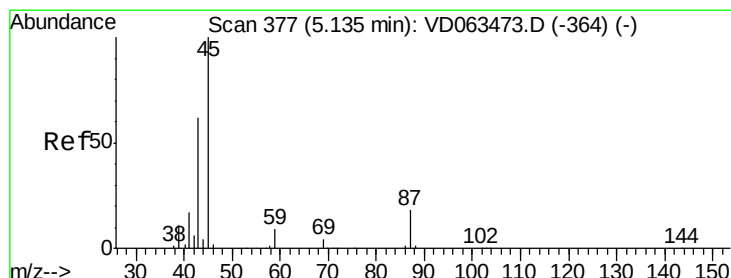
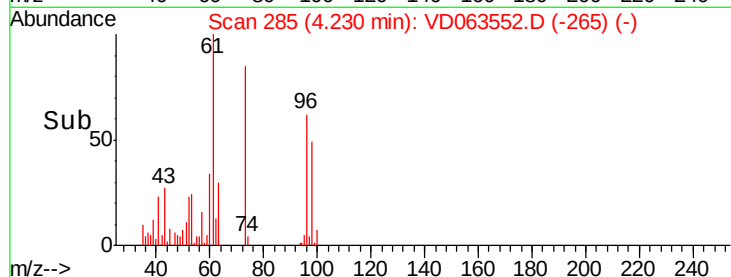
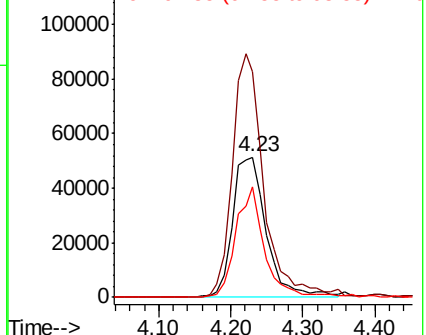
96 100

61 160.3 121.7 182.5

98 78.6 54.2 81.2



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



#22

Diisopropyl ether

Concen: 20.420 ug/l

RT: 5.13 min Scan# 376

Delta R.T. -0.01 min

Lab File: VD063552.D

Acq: 14 Aug 2019 3:56

Tgt Ion: 45 Resp: 500266

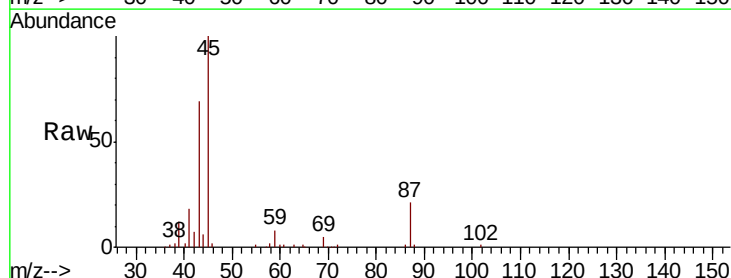
Ion Ratio Lower Upper

45 100

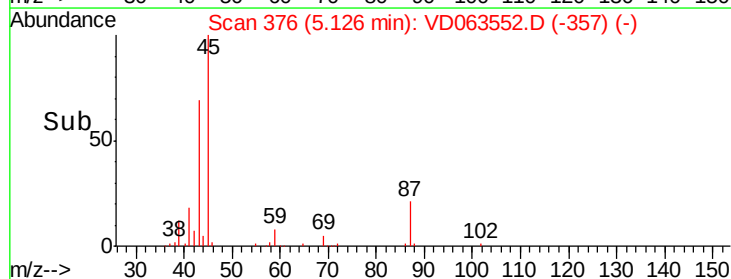
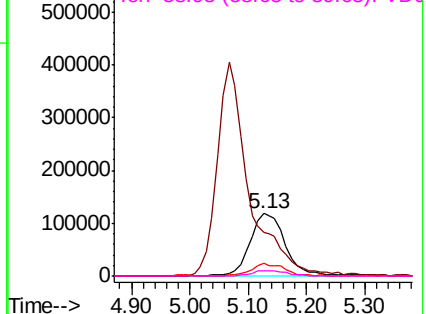
43 69.4 50.3 75.5

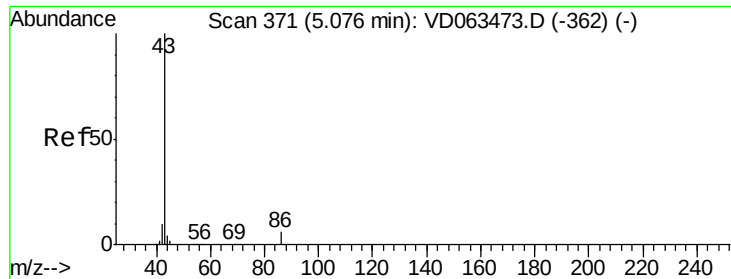
87 21.0 14.3 21.5

59 8.2 7.7 11.5



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC

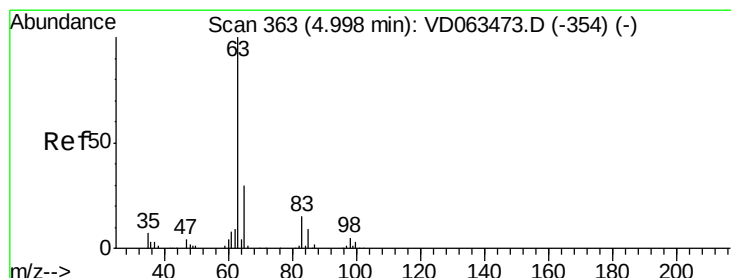
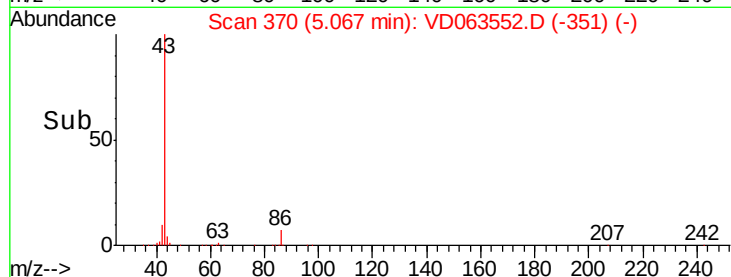
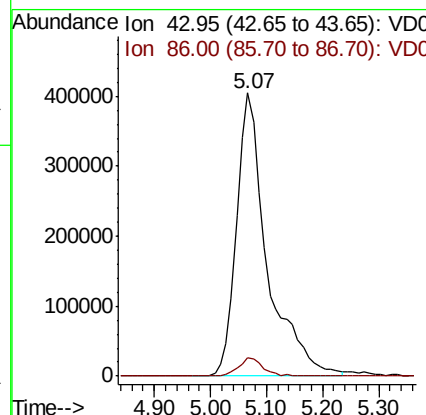
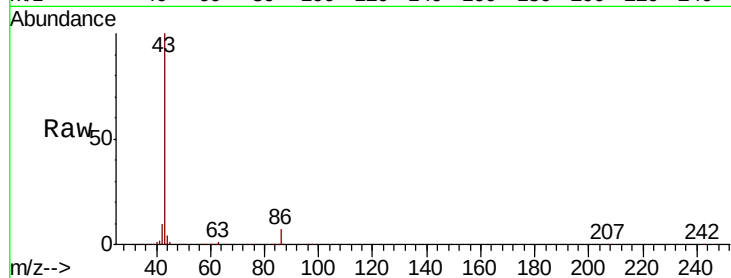




#23
 Vinyl Acetate
 Concen: 107.722 ug/l
 RT: 5.07 min Scan# 370
 Delta R.T. -0.01 min
 Lab File: VD063552.D
 Acq: 14 Aug 2019 3:56

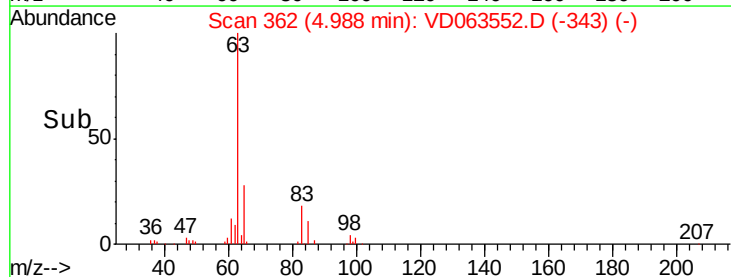
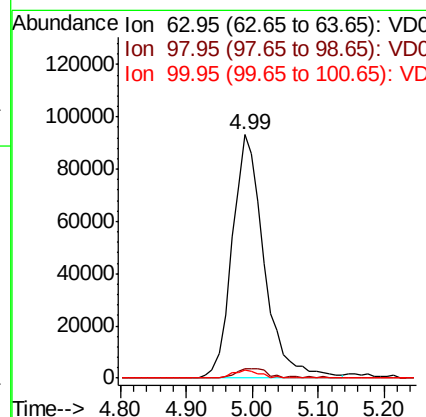
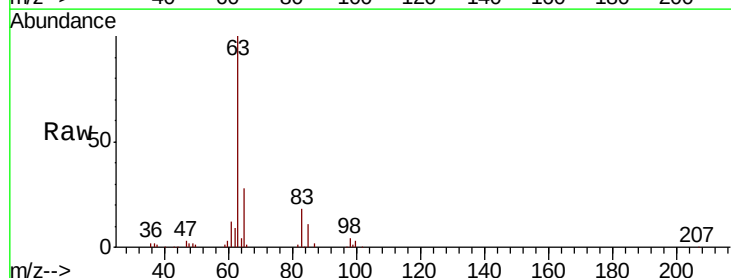
Instrument :
 MSVOA_D
 ClientSampleId :

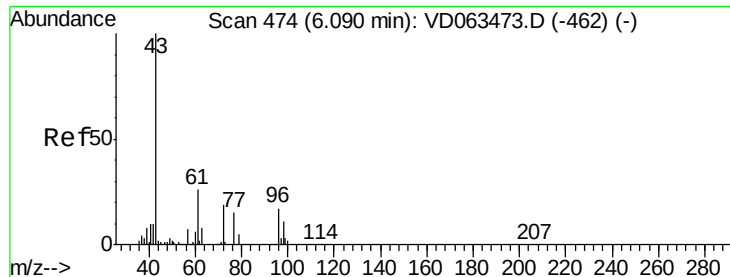
Tot Ion: 43 Resp: 1534265
 Ion Ratio Lower Upper
 43 100
 86 6.6 4.8 7.2



#24
 1,1-Dichloroethane
 Concen: 20.742 ug/l
 RT: 4.99 min Scan# 362
 Delta R.T. -0.01 min
 Lab File: VD063552.D
 Acq: 14 Aug 2019 3:56

Tgt Ion: 63 Resp: 315175
 Ion Ratio Lower Upper
 63 100
 98 3.7 2.4 7.2
 100 3.2 1.3 3.8





#25

2-Butanone

Concen: 110.399 ug/l

RT: 6.08 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD063552.D

Acq: 14 Aug 2019 3:56

Instrument :

MSVOA_D

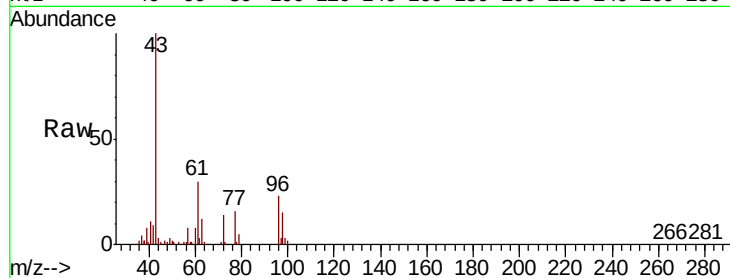
ClientSampled :

Tot Ion: 43 Resp: 231563

Ion Ratio Lower Upper

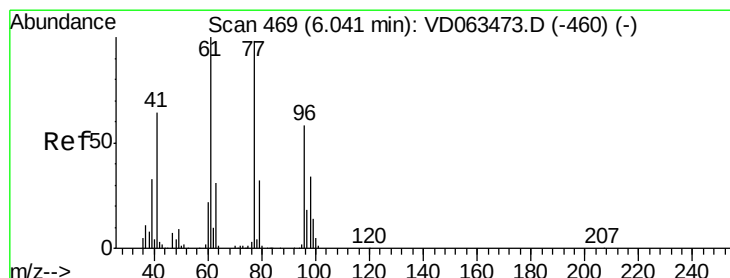
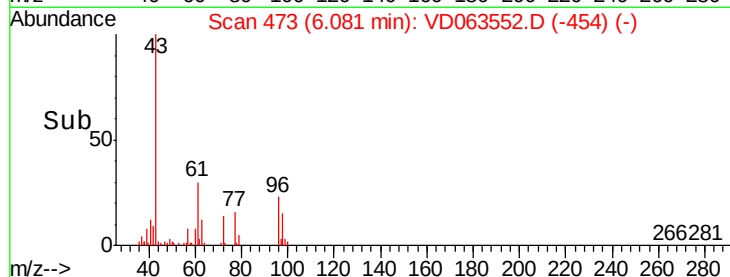
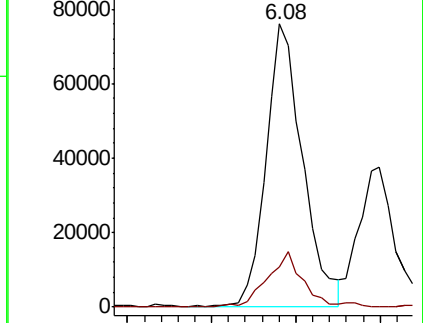
43 100

72 14.3 15.1 22.7#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 19.679 ug/l

RT: 6.03 min Scan# 468

Delta R.T. -0.01 min

Lab File: VD063552.D

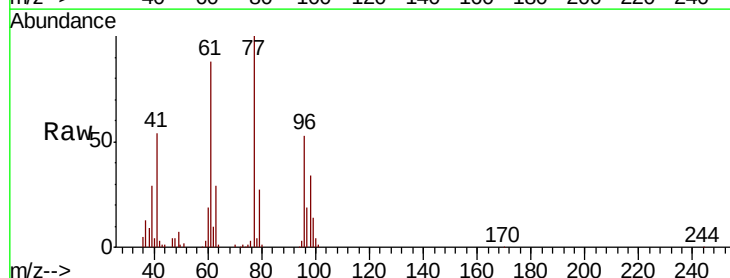
Acq: 14 Aug 2019 3:56

Tgt Ion: 77 Resp: 297842

Ion Ratio Lower Upper

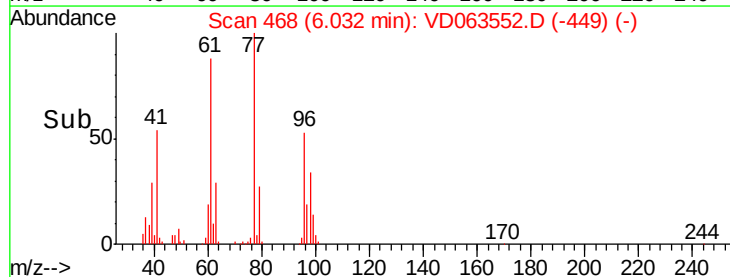
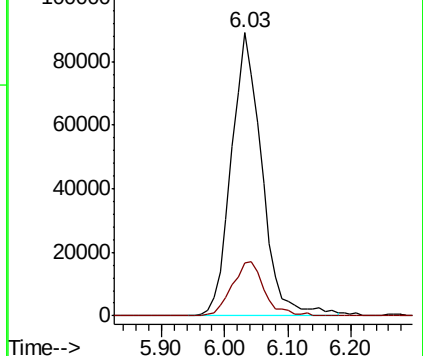
77 100

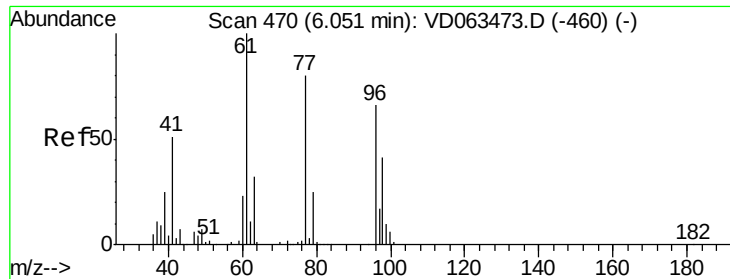
97 18.9 9.0 27.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



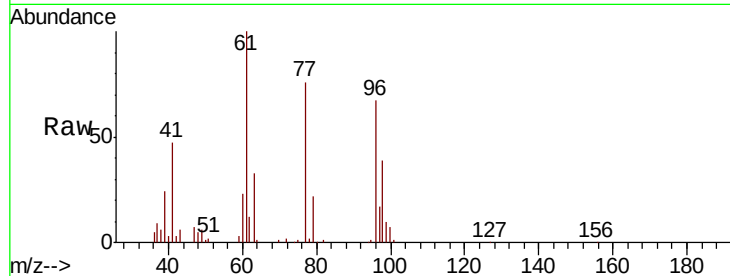


#27

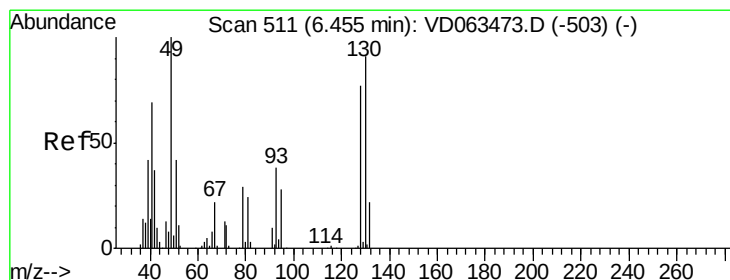
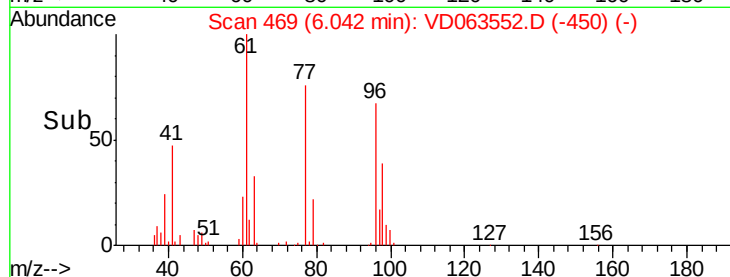
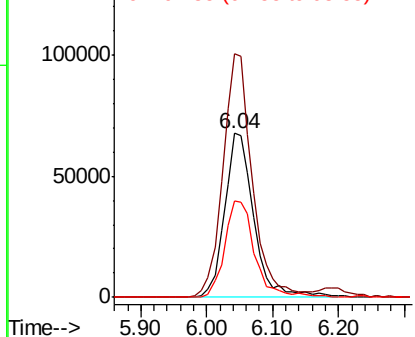
cis-1,2-Dichloroethene
Concen: 23.022 ug/l
RT: 6.04 min Scan# 469
Delta R.T. -0.01 min
Lab File: VD063552.D
Acq: 14 Aug 2019 3:56

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.5	0.0	304.0
98	58.5	0.0	124.8



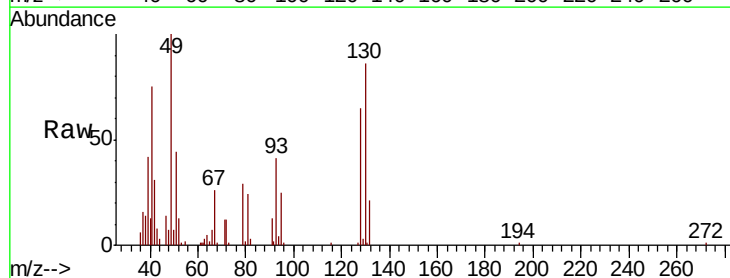
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



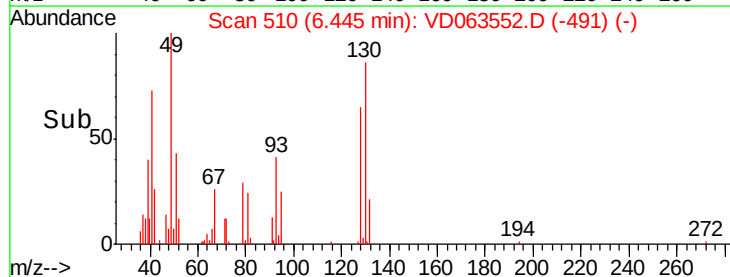
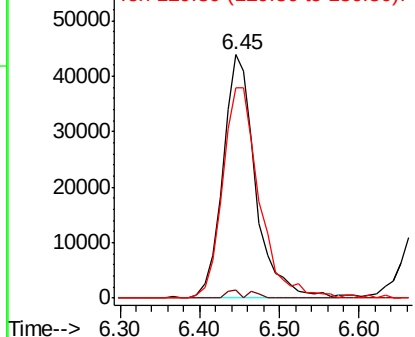
#28

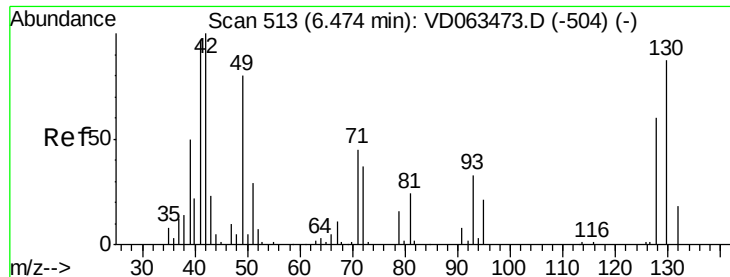
Bromochloromethane
Concen: 20.449 ug/l
RT: 6.45 min Scan# 510
Delta R.T. -0.01 min
Lab File: VD063552.D
Acq: 14 Aug 2019 3:56

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.3	0.0	6.4
130	86.4	72.4	108.6



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





#29

Tetrahydrofuran

Concen: 120.964 ug/l

RT: 6.46 min Scan# 512

Delta R.T. -0.01 min

Lab File: VD063552.D

Acq: 14 Aug 2019 3:56

Instrument :

MSVOA_D

ClientSampleId :

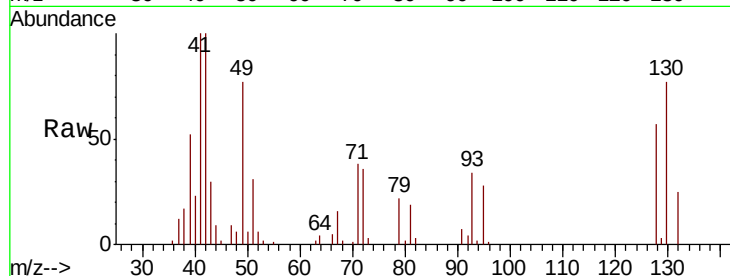
Tot Ion: 42 Resp: 118229

Ion Ratio Lower Upper

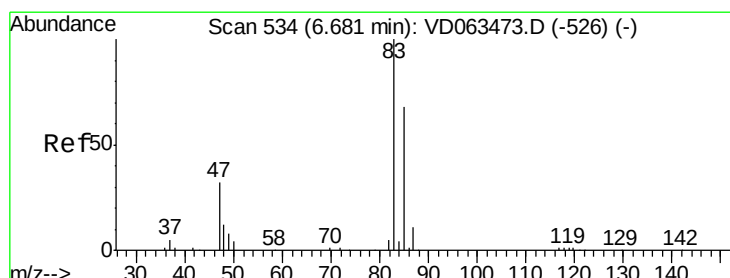
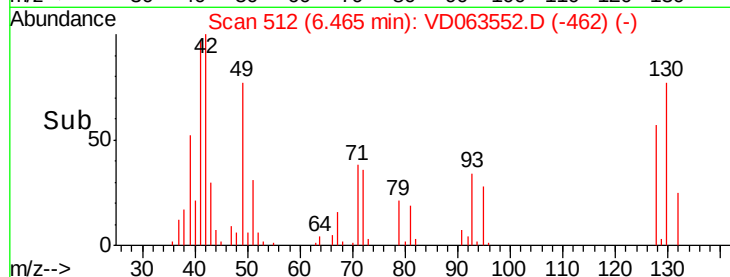
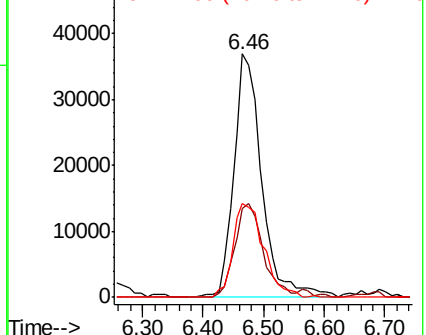
42 100

72 39.2 31.5 47.3

71 42.1 33.8 50.8



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



#30

Chloroform

Concen: 20.384 ug/l

RT: 6.67 min Scan# 533

Delta R.T. -0.01 min

Lab File: VD063552.D

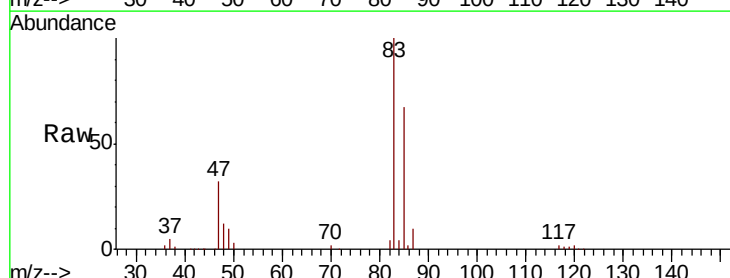
Acq: 14 Aug 2019 3:56

Tgt Ion: 83 Resp: 385007

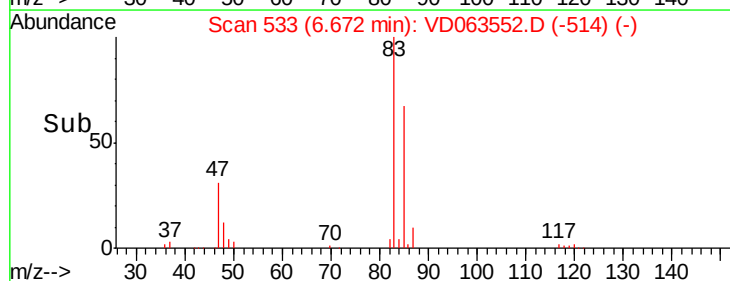
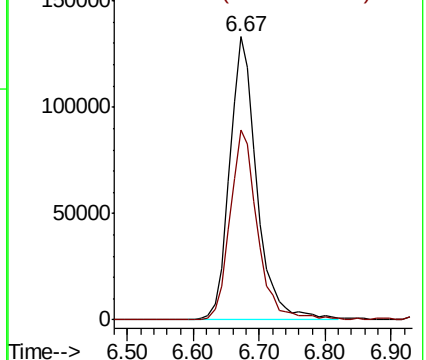
Ion Ratio Lower Upper

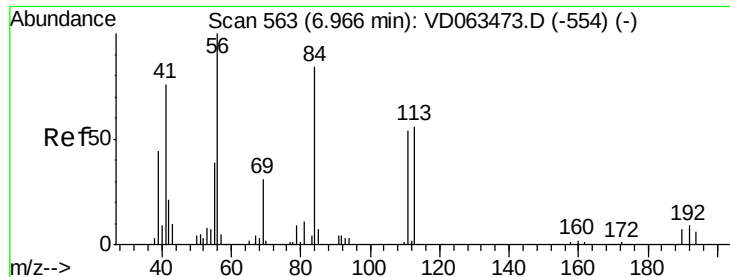
83 100

85 66.9 54.8 82.2



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





#31

Cyclohexane

Concen: 18.709 ug/l

RT: 6.97 min Scan# 563

Delta R.T. 0.00 min

Lab File: VD063552.D

Acq: 14 Aug 2019 3:56

Instrument :
MSVOA_D
ClientSampleId :

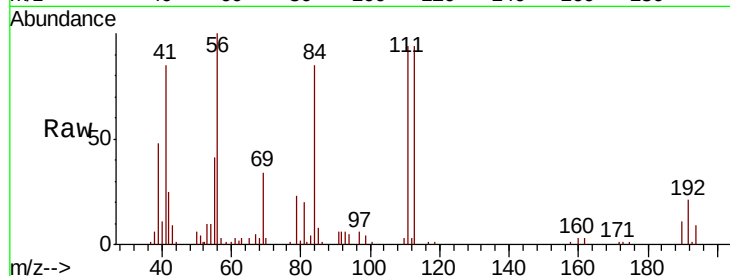
Tot Ion: 56 Resp: 176489

Ion Ratio Lower Upper

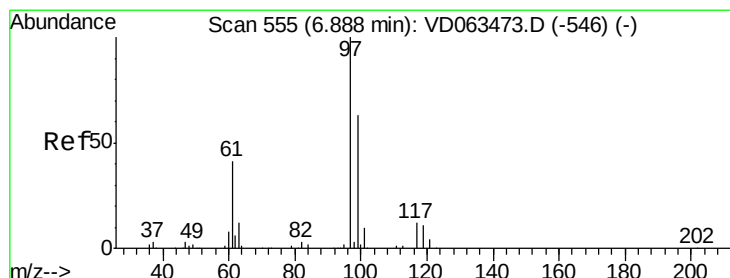
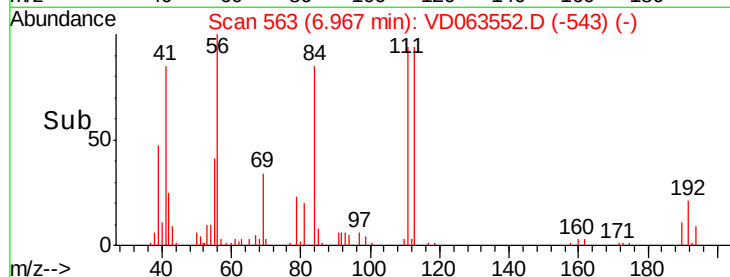
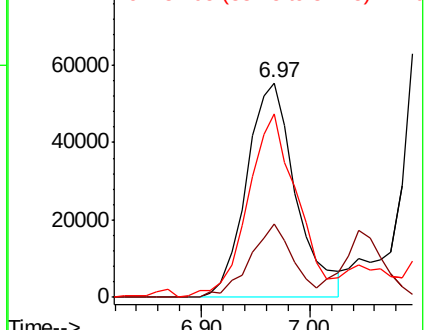
56 100

69 34.0 25.0 37.6

84 85.4 69.7 104.5



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



#32

1,1,1-Trichloroethane

Concen: 19.862 ug/l

RT: 6.88 min Scan# 554

Delta R.T. -0.01 min

Lab File: VD063552.D

Acq: 14 Aug 2019 3:56

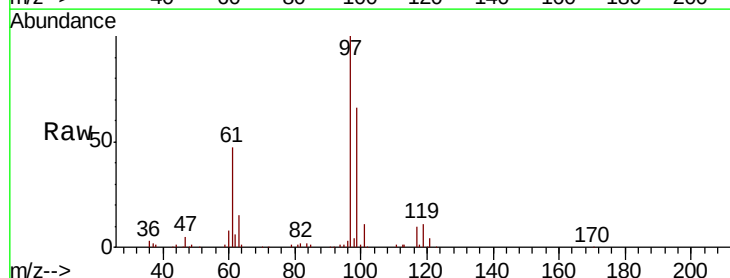
Tgt Ion: 97 Resp: 358846

Ion Ratio Lower Upper

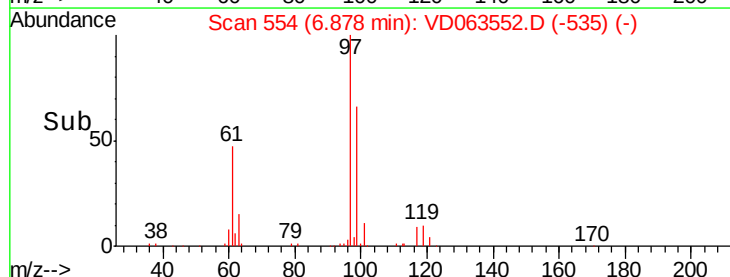
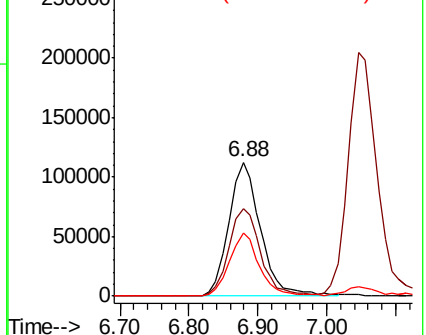
97 100

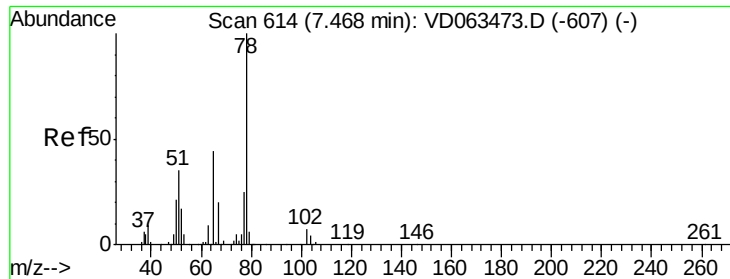
99 65.6 50.2 75.4

61 47.0 33.1 49.7



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

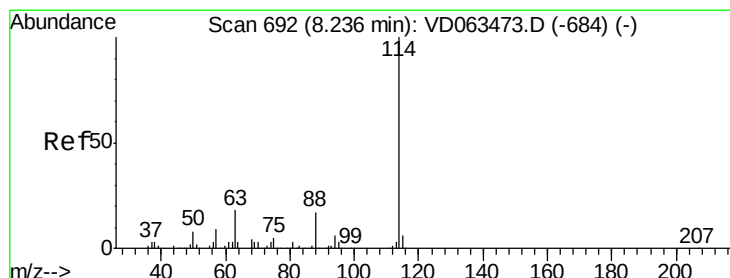
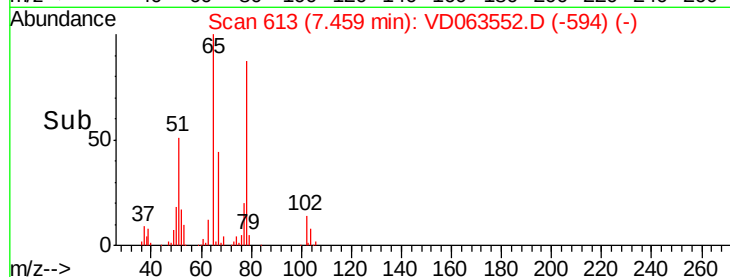
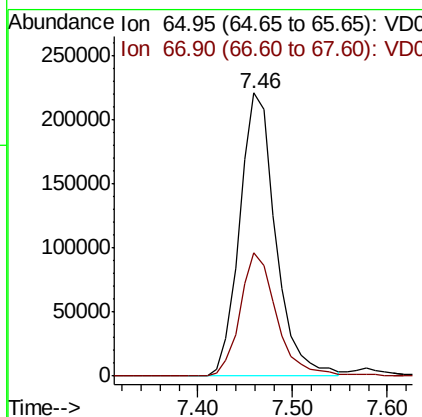
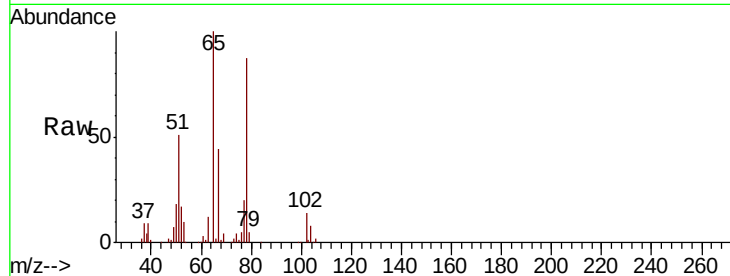




#33
 1,2-Dichloroethane-d4
 Concen: 55.569 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. -0.01 min
 Lab File: VD063552.D
 Acq: 14 Aug 2019 3:56

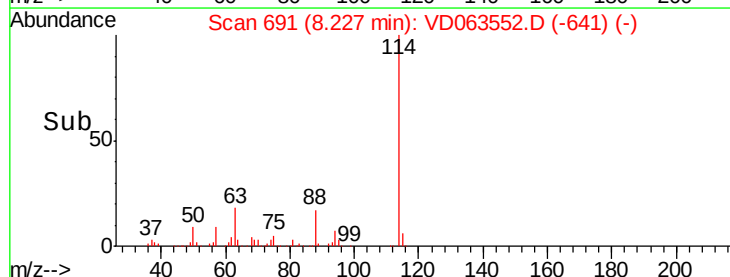
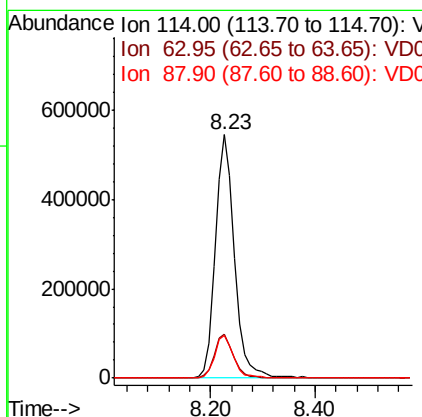
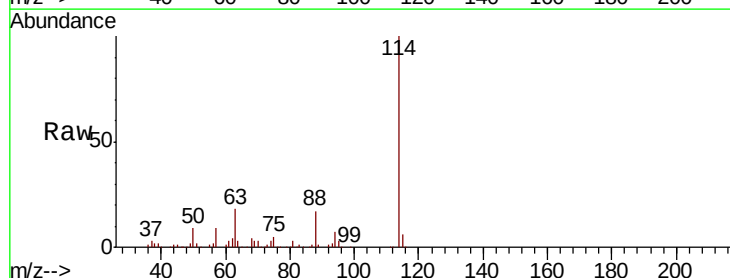
Instrument :
 MSVOA_D
 ClientSampled :

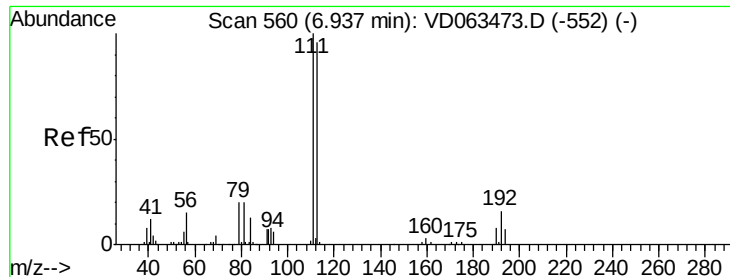
Tot Ion: 65 Resp: 580562
 Ion Ratio Lower Upper
 65 100
 67 43.6 0.0 89.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. -0.01 min
 Lab File: VD063552.D
 Acq: 14 Aug 2019 3:56

Tgt Ion: 114 Resp: 1385307
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 36.2
 88 17.4 0.0 35.0

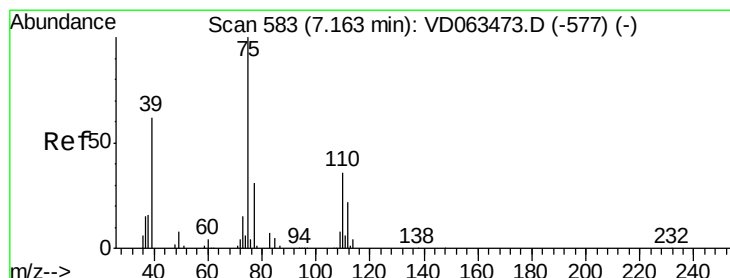
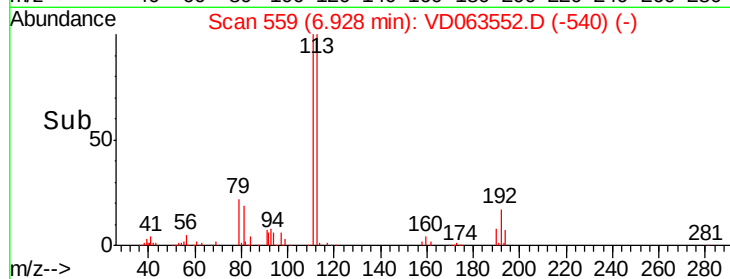
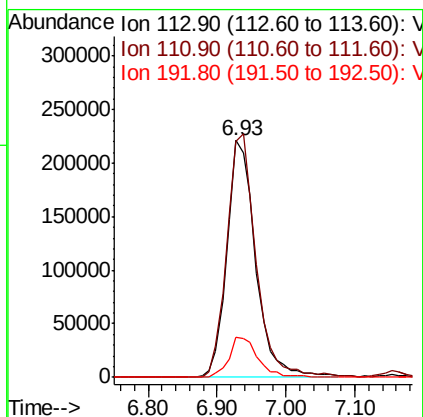
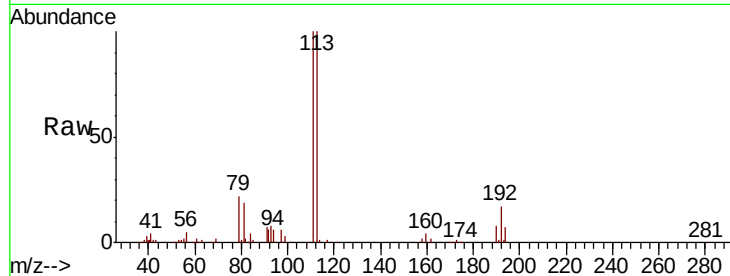




#35
 Dibromofluoromethane
 Concen: 54.879 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. -0.01 min
 Lab File: VD063552.D
 Acq: 14 Aug 2019 3:56

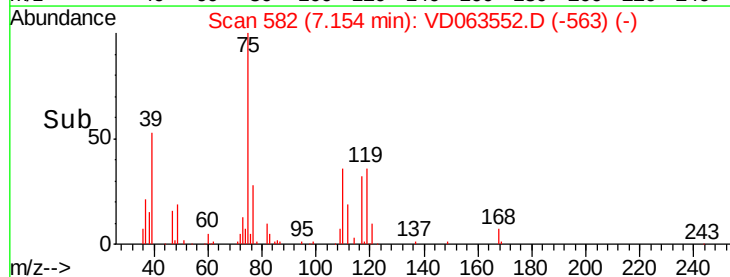
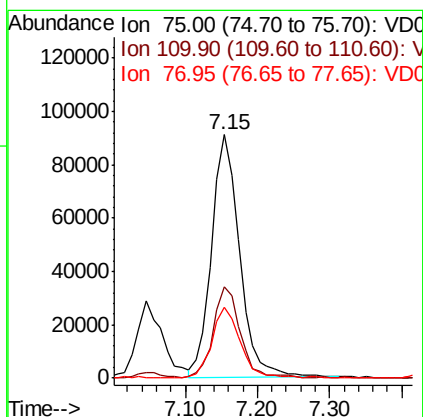
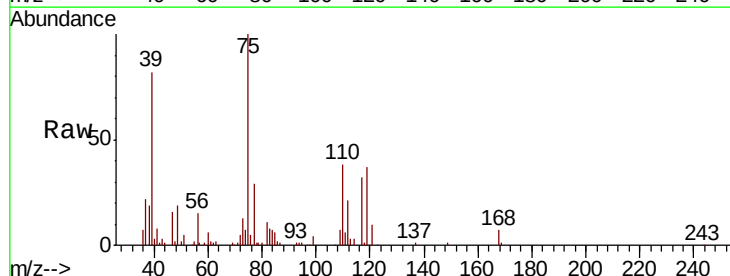
Instrument :
 MSVOA_D
 ClientSampled :

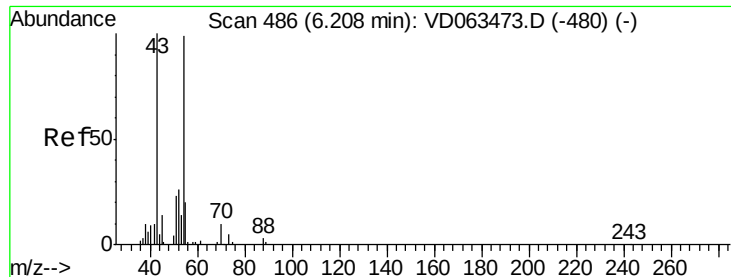
Tot Ion	Ratio	Lower	Upper
113	100		
111	99.7	83.1	124.7
192	16.8	13.1	19.7



#36
 1,1-Dichloropropene
 Concen: 19.881 ug/l
 RT: 7.15 min Scan# 582
 Delta R.T. -0.01 min
 Lab File: VD063552.D
 Acq: 14 Aug 2019 3:56

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.7	17.6	52.8
77	29.2	24.3	36.5





#37

Ethyl Acetate

Concen: 21.031 ug/l

RT: 6.20 min Scan# 485

Delta R.T. -0.01 min

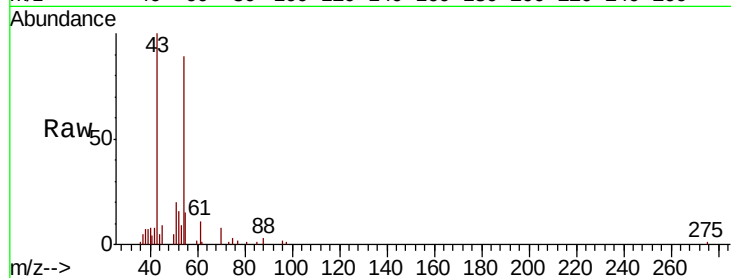
Lab File: VD063552.D

Acq: 14 Aug 2019 3:56

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 107925

Ion	Ratio	Lower	Upper
43	100		
61	10.6	9.0	13.6
70	8.4	6.9	10.3

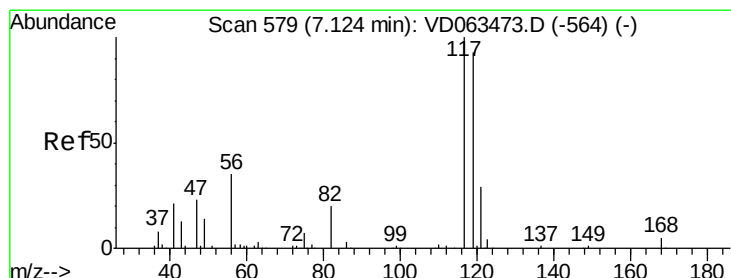
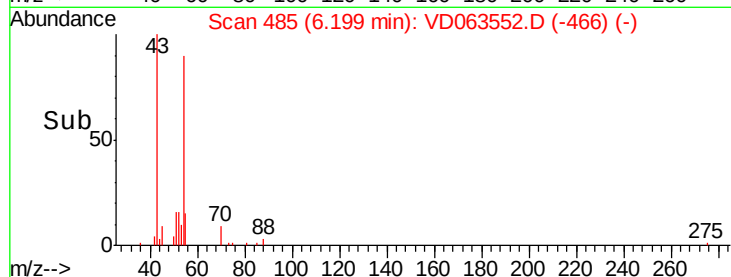
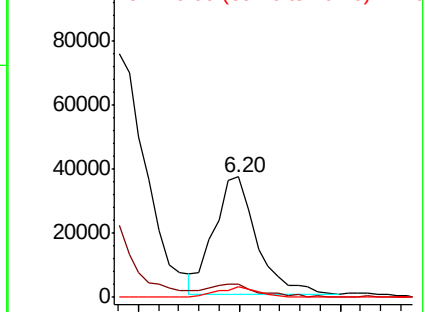


Abundance

Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 19.274 ug/l

RT: 7.11 min Scan# 578

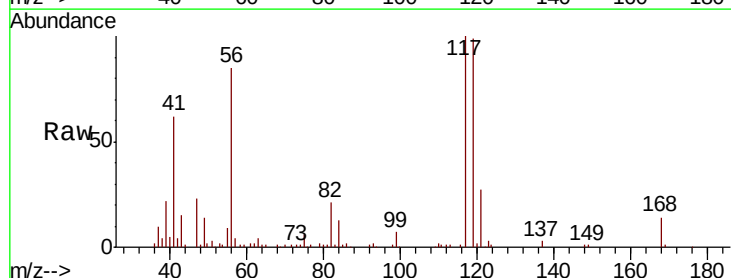
Delta R.T. -0.01 min

Lab File: VD063552.D

Acq: 14 Aug 2019 3:56

Tgt Ion: 117 Resp: 355734

Ion	Ratio	Lower	Upper
117	100		
119	99.3	74.2	111.2
121	27.2	23.1	34.7

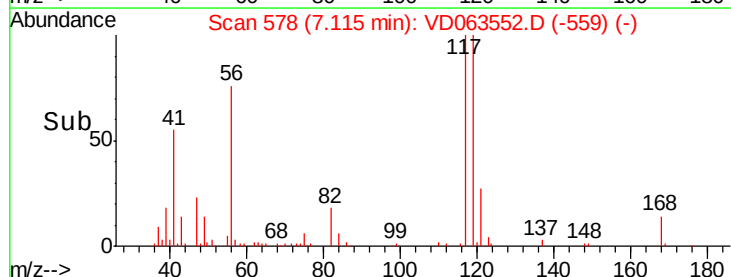
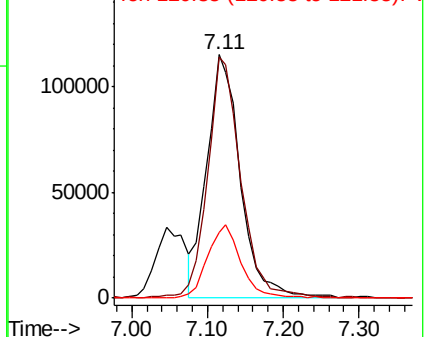


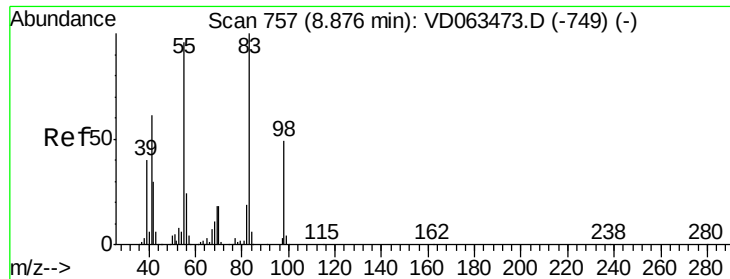
Abundance

Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

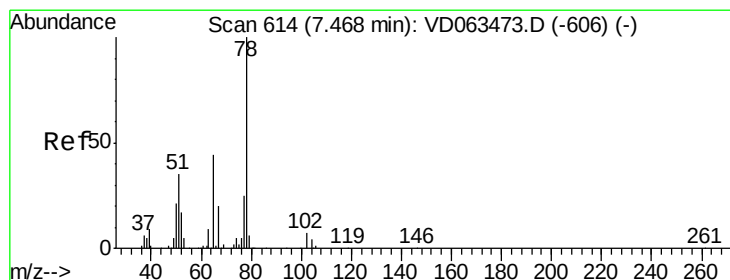
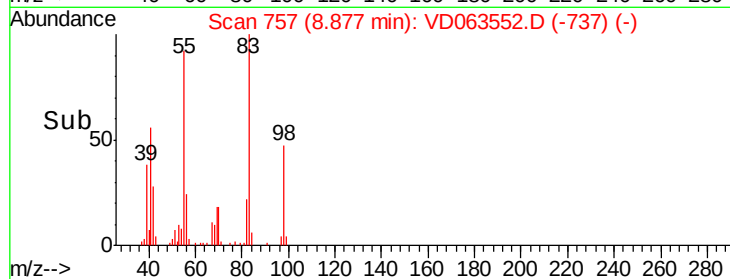
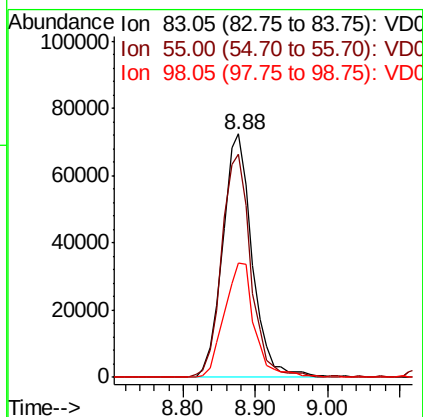
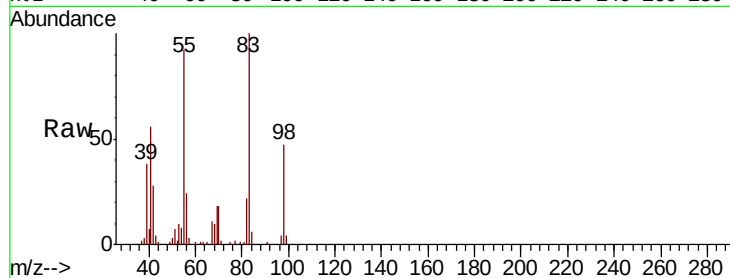




#39
Methylvlcyclohexane
Concen: 19.727 ug/l
RT: 8.88 min Scan# 757
Delta R.T. 0.00 min
Lab File: VD063552.D
Acq: 14 Aug 2019 3:56

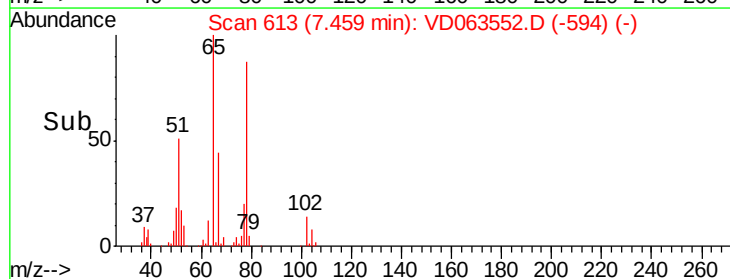
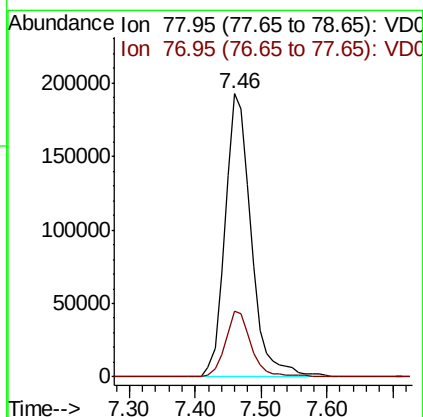
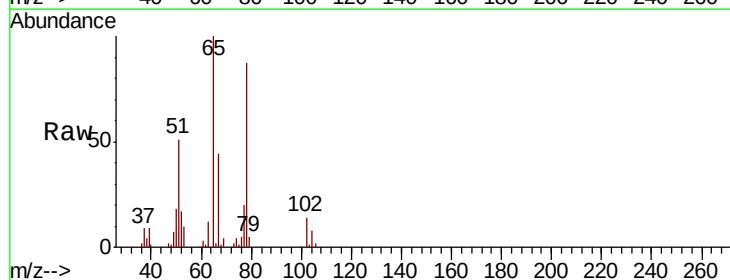
Instrument :
MSVOA_D
ClientSampleId :

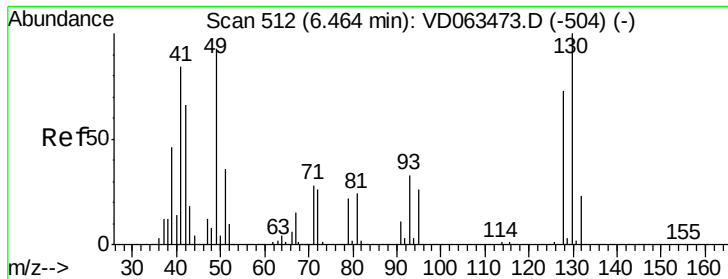
Tot Ion: 83 Resp: 205428
Ion Ratio Lower Upper
83 100
55 91.7 76.6 114.8
98 47.0 39.4 59.0



#40
Benzene
Concen: 19.856 ug/l
RT: 7.46 min Scan# 613
Delta R.T. -0.01 min
Lab File: VD063552.D
Acq: 14 Aug 2019 3:56

Tgt Ion: 78 Resp: 535127
Ion Ratio Lower Upper
78 100
77 23.0 20.1 30.1





#41

Methacrylonitrile

Concen: 23.915 ug/l

RT: 6.46 min Scan# 512

Delta R.T. 0.00 min

Lab File: VD063552.D

Acq: 14 Aug 2019 3:56

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 41 Resp: 154520

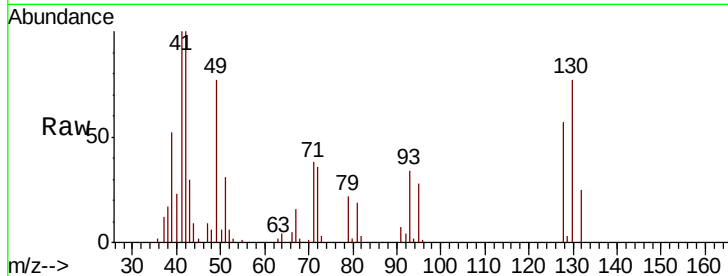
Ion Ratio Lower Upper

41 100

39 52.6 44.6 66.8

67 15.6 14.4 21.6

52 6.5 9.3 13.9#

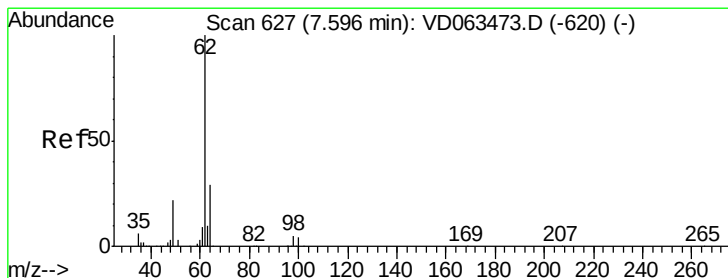
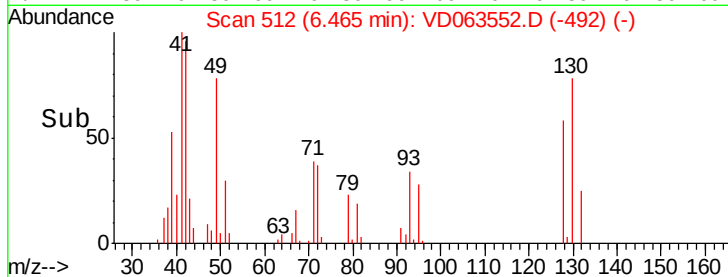
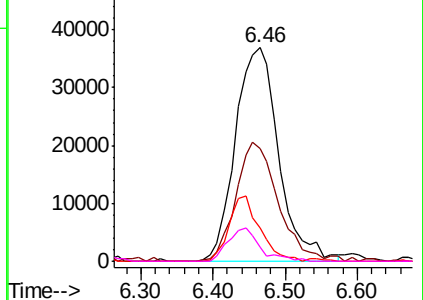


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 23.157 ug/l

RT: 7.59 min Scan# 626

Delta R.T. -0.01 min

Lab File: VD063552.D

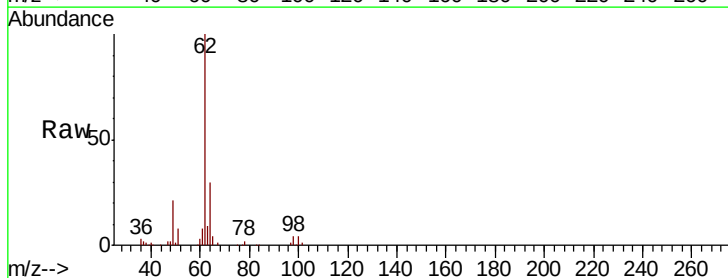
Acq: 14 Aug 2019 3:56

Tgt Ion: 62 Resp: 313811

Ion Ratio Lower Upper

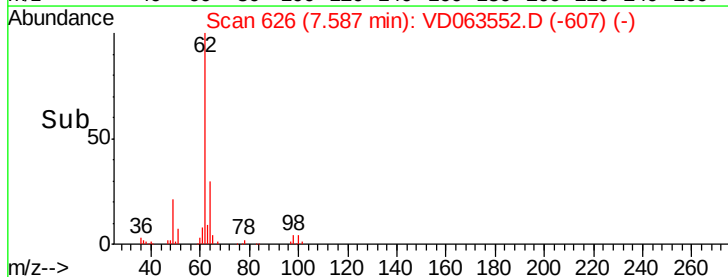
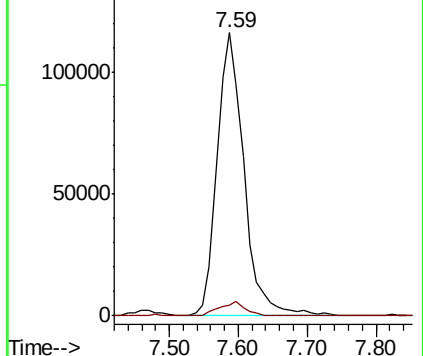
62 100

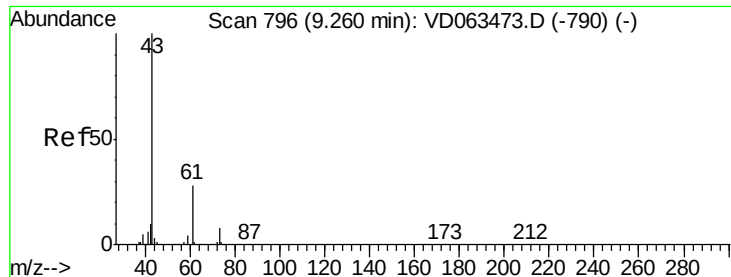
98 3.9 0.0 10.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC

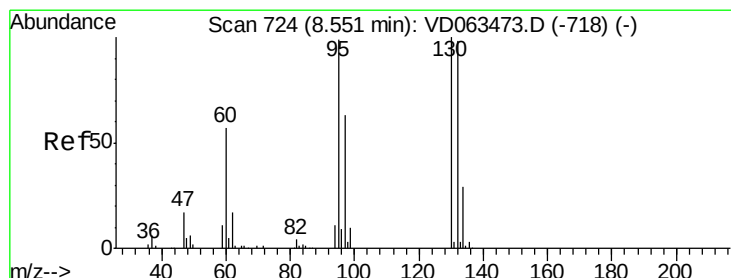
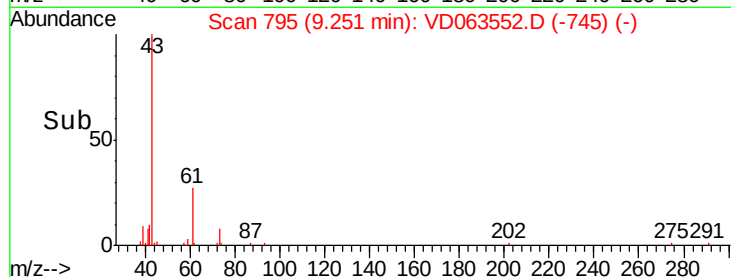
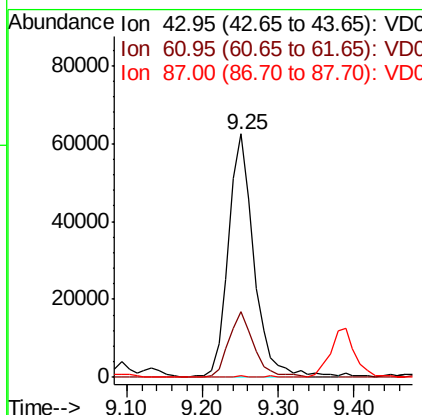
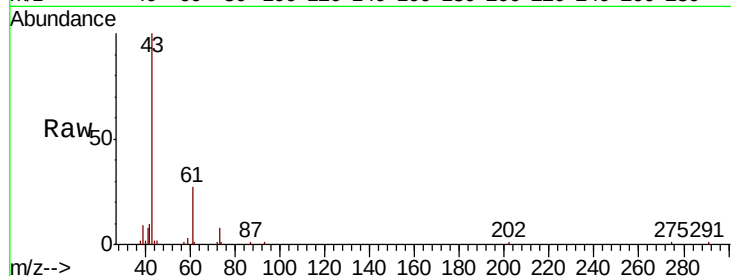




#43
Isopropyl Acetate
Concen: 21.307 ug/l
RT: 9.25 min Scan# 795
Delta R.T. -0.01 min
Lab File: VD063552.D
Acq: 14 Aug 2019 3:56

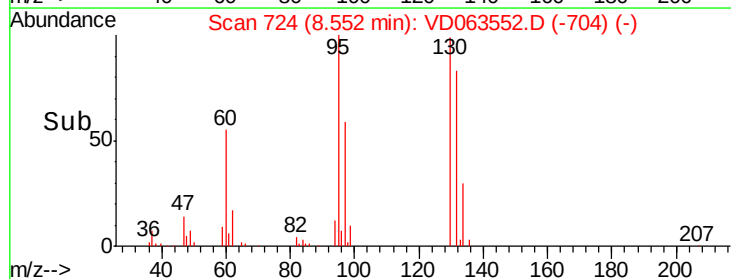
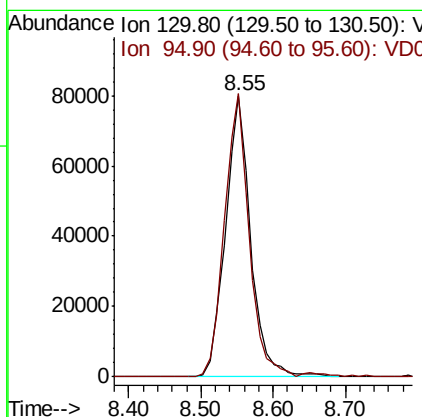
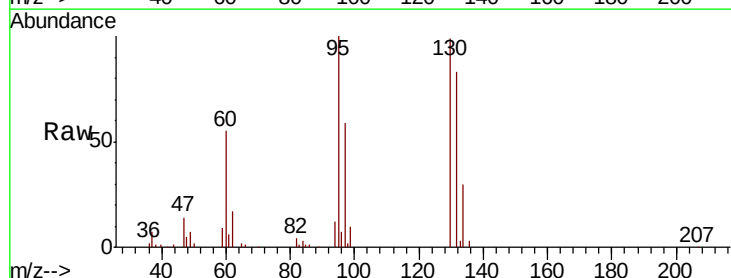
Instrument :
MSVOA_D
ClientSampleId :

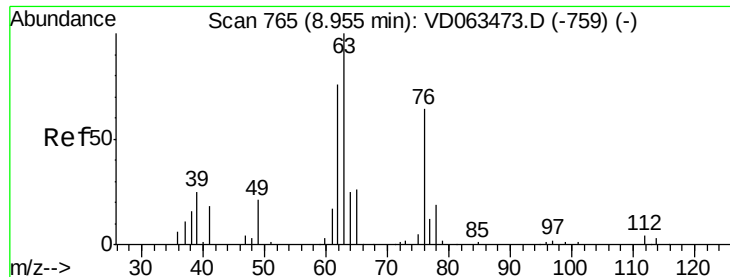
Tot Ion: 43 Resp: 146439
Ion Ratio Lower Upper
43 100
61 27.0 22.2 33.2
87 0.8 0.2 0.4#



#44
Trichloroethene
Concen: 18.733 ug/l
RT: 8.55 min Scan# 724
Delta R.T. 0.00 min
Lab File: VD063552.D
Acq: 14 Aug 2019 3:56

Tgt Ion:130 Resp: 192968
Ion Ratio Lower Upper
130 100
95 100.7 0.0 198.0





#45

1,2-Dichloropropane

Concen: 22.409 ug/l

RT: 8.95 min Scan# 764

Delta R.T. -0.01 min

Lab File: VD063552.D

Acq: 14 Aug 2019 3:56

Instrument :

MSVOA_D

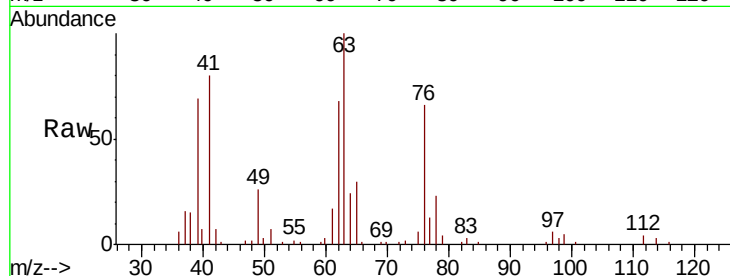
ClientSampled :

Tot Ion: 63 Resp: 140642

Ion Ratio Lower Upper

63 100

65 29.8 22.5 33.7



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.95

60000

50000

40000

30000

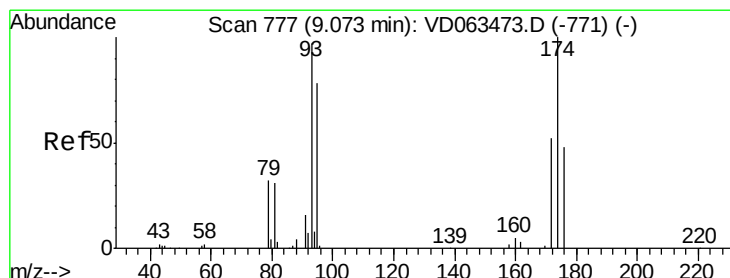
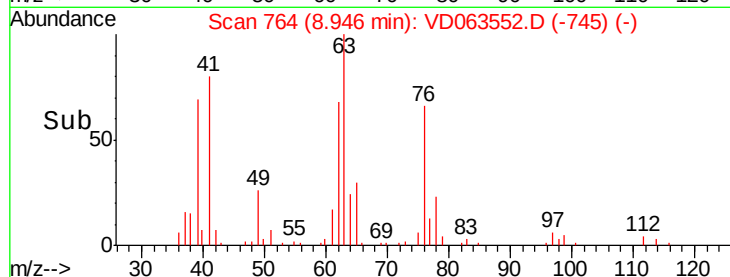
20000

10000

0

8.80 8.90 9.00 9.10

Time-->



#46

Dibromomethane

Concen: 23.099 ug/l

RT: 9.07 min Scan# 777

Delta R.T. 0.00 min

Lab File: VD063552.D

Acq: 14 Aug 2019 3:56

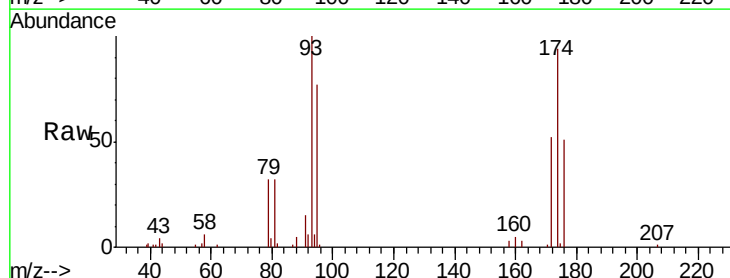
Tgt Ion: 93 Resp: 123804

Ion Ratio Lower Upper

93 100

95 76.6 64.2 96.2

174 94.0 82.1 123.1



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

60000

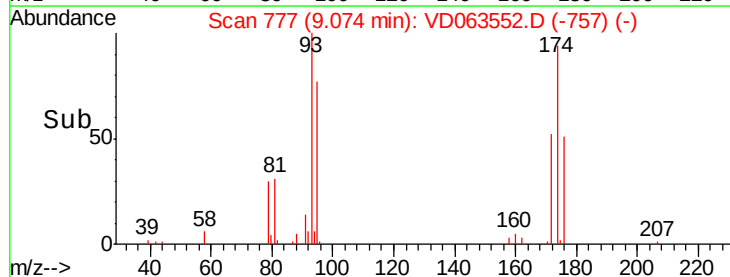
40000

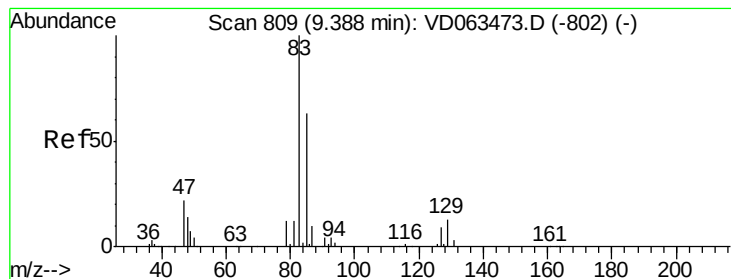
20000

0

9.00 9.10 9.20

Time-->





#47

Bromodichloromethane

Concen: 22.003 ug/l

RT: 9.38 min Scan# 808

Delta R.T. -0.01 min

Lab File: VD063552.D

Acq: 14 Aug 2019 3:56

Instrument :

MSVOA_D

ClientSampleId :

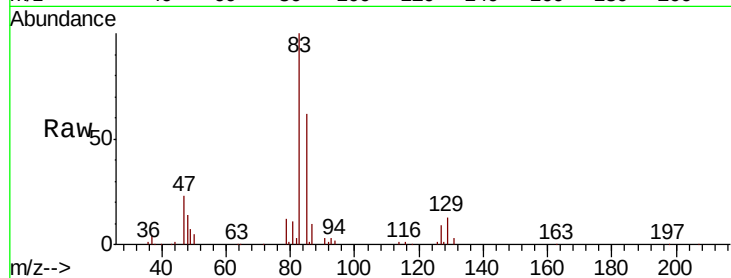
Tot Ion: 83 Resp: 302492

Ion Ratio Lower Upper

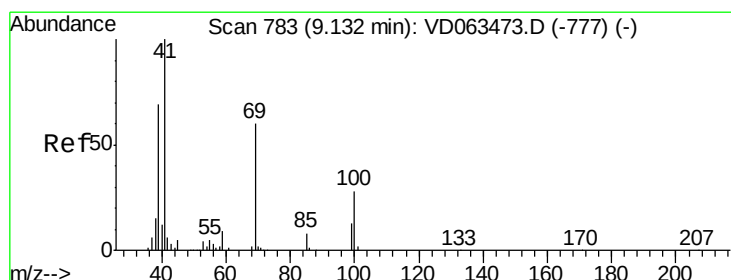
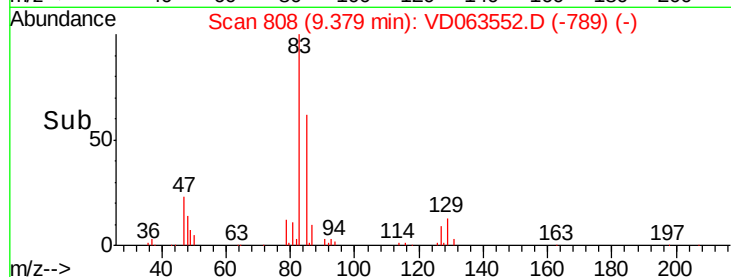
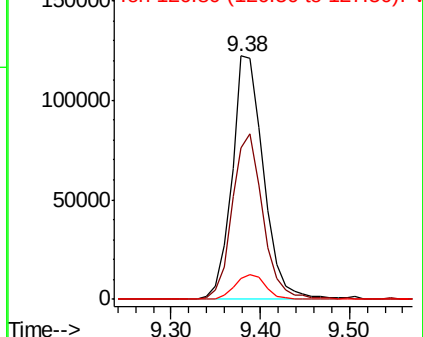
83 100

85 62.4 50.1 75.1

127 8.8 7.6 11.4



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



#48

Methyl methacrylate

Concen: 21.763 ug/l

RT: 9.13 min Scan# 783

Delta R.T. 0.00 min

Lab File: VD063552.D

Acq: 14 Aug 2019 3:56

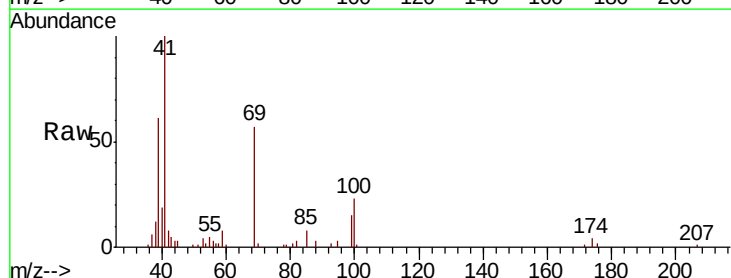
Tgt Ion: 41 Resp: 101439

Ion Ratio Lower Upper

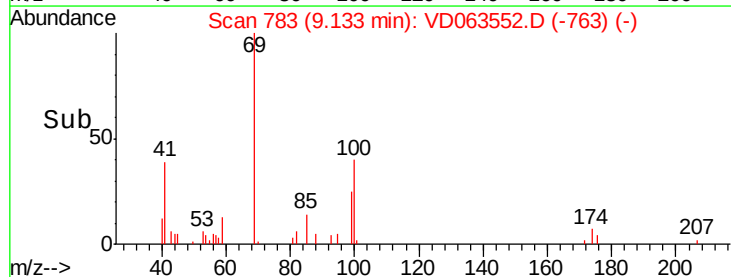
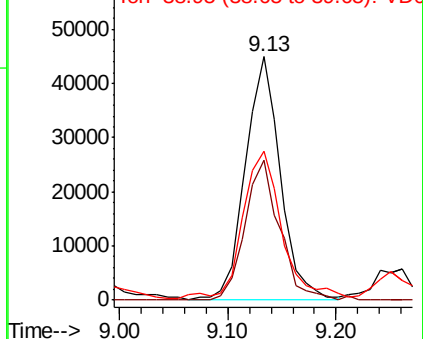
41 100

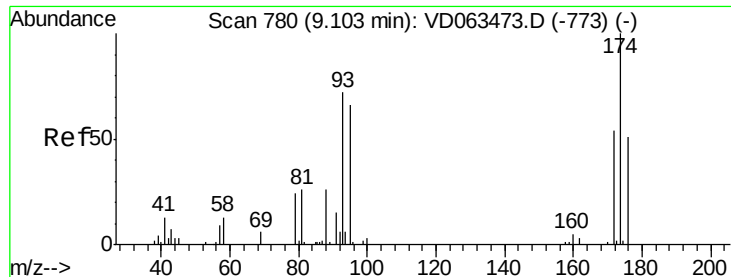
69 57.4 47.6 71.4

39 61.2 55.7 83.5



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





#49

1,4-Dioxane

Concen: 401.653 ug/l

RT: 9.09 min Scan# 779

Delta R.T. -0.01 min

Lab File: VD063552.D

Acq: 14 Aug 2019 3:56

Instrument :

MSVOA_D

ClientSampleId :

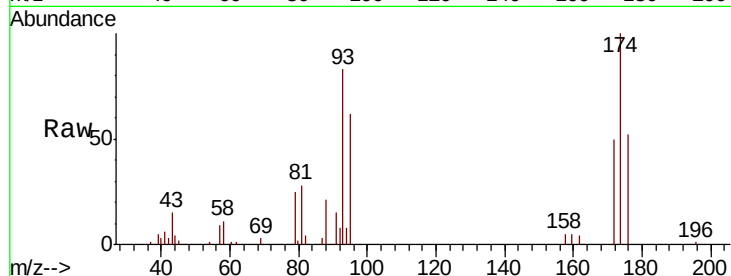
Tot Ion: 88 Resp: 16086

Ion Ratio Lower Upper

88 100

43 74.5 22.9 34.3#

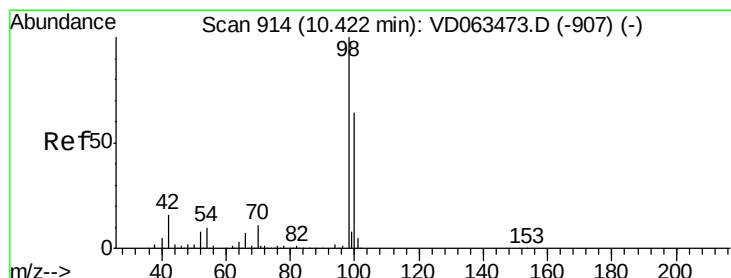
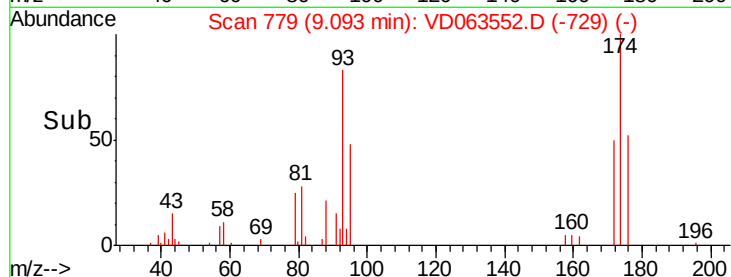
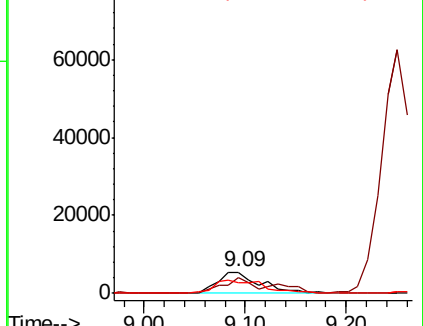
58 52.8 40.1 60.1



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 52.394 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.00 min

Lab File: VD063552.D

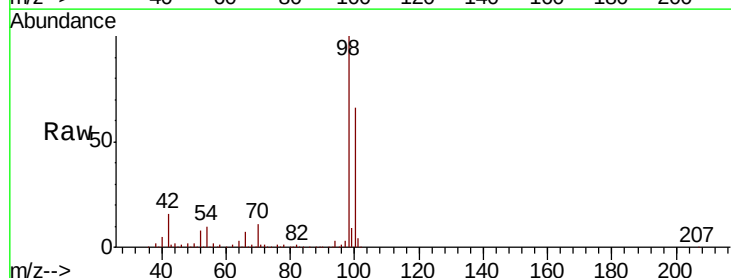
Acq: 14 Aug 2019 3:56

Tgt Ion: 98 Resp: 1343957

Ion Ratio Lower Upper

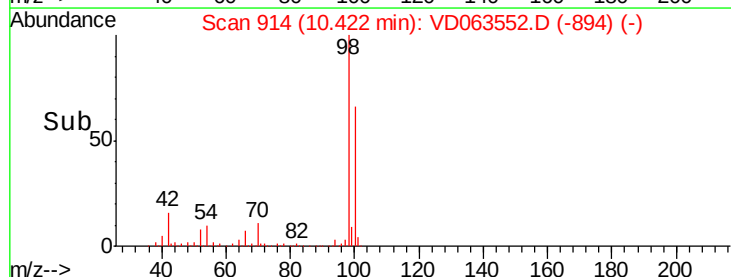
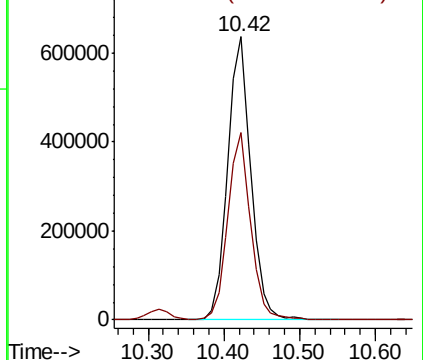
98 100

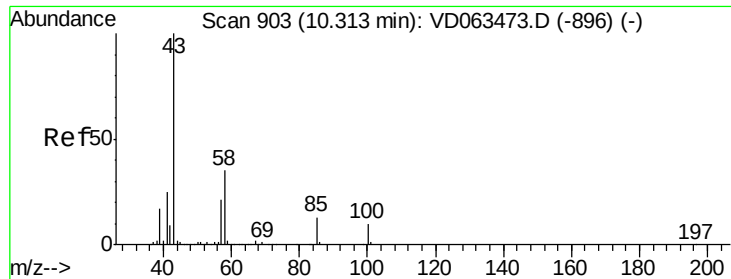
100 66.3 51.7 77.5



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

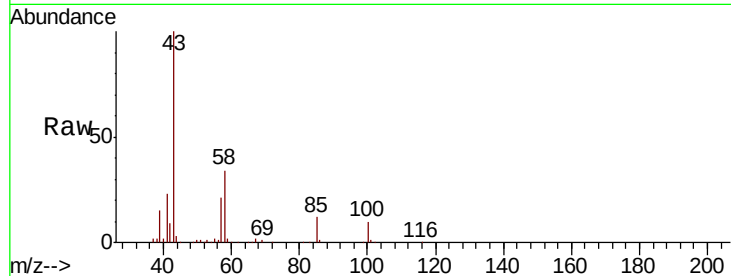




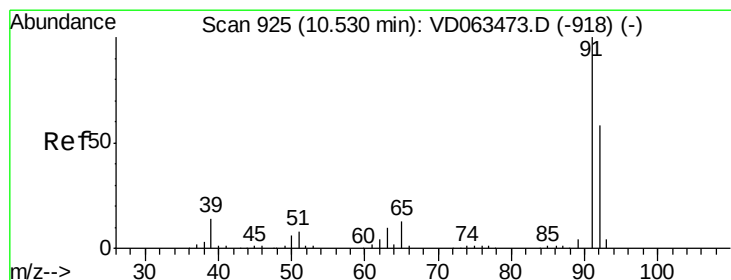
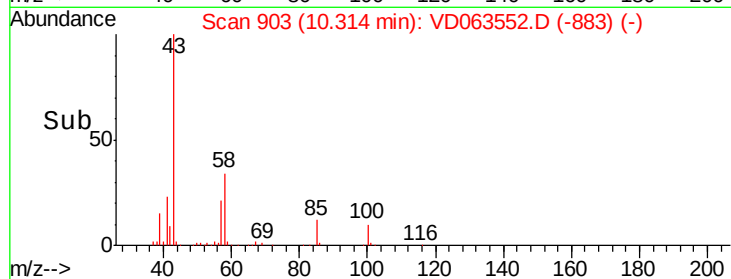
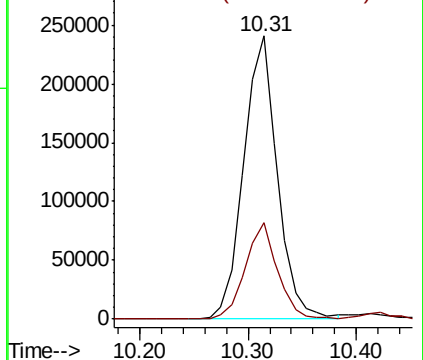
#51
4-Methyl-2-Pentanone
Concen: 110.620 ug/l
RT: 10.31 min Scan# 903
Delta R.T. 0.00 min
Lab File: VD063552.D
Acq: 14 Aug 2019 3:56

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 520240
Ion Ratio Lower Upper
43 100
58 34.1 28.0 42.0

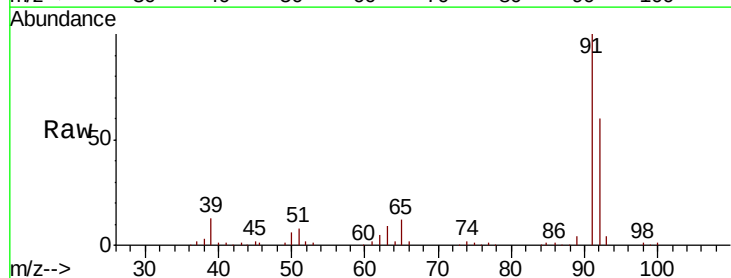


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

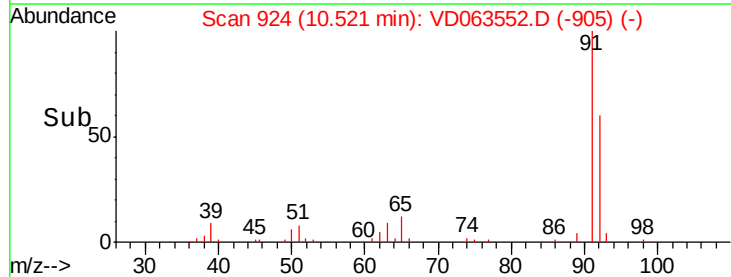
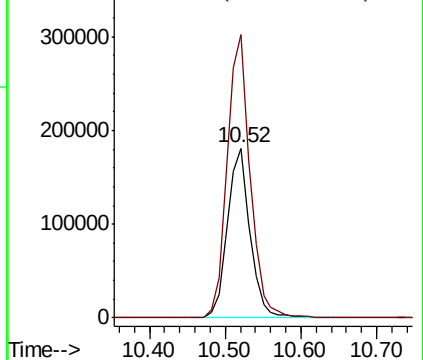


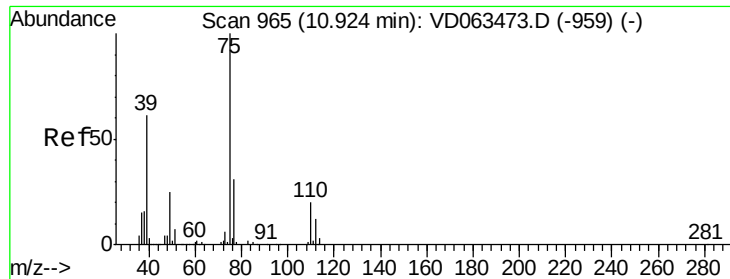
#52
Toluene
Concen: 21.406 ug/l
RT: 10.52 min Scan# 924
Delta R.T. -0.01 min
Lab File: VD063552.D
Acq: 14 Aug 2019 3:56

Tgt Ion: 92 Resp: 371573
Ion Ratio Lower Upper
92 100
91 166.6 137.9 206.9



Abundance Ion 92.00 (91.70 to 92.70): VDC
Ion 91.00 (90.70 to 91.70): VDC

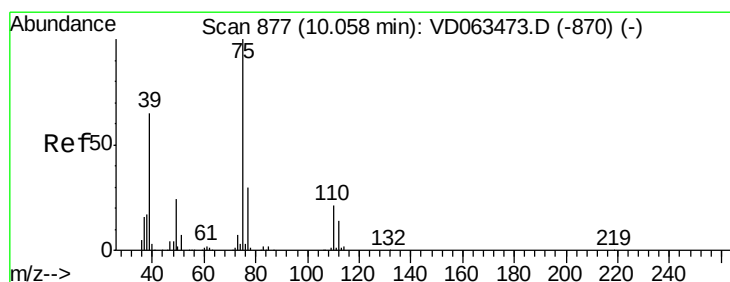
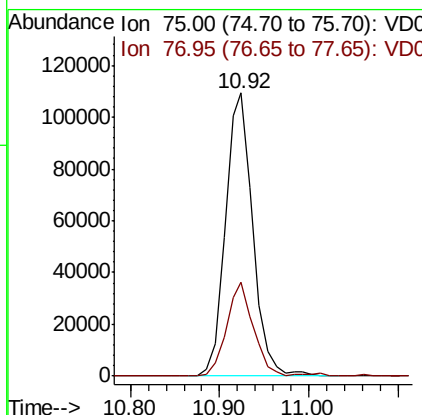
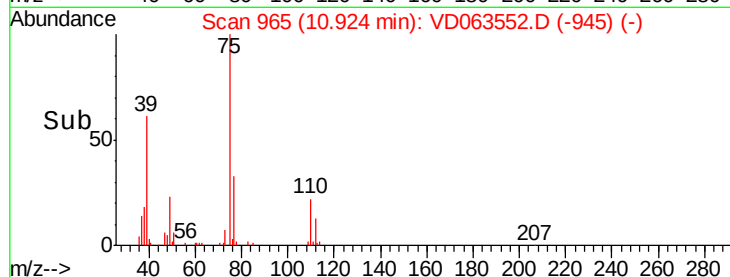
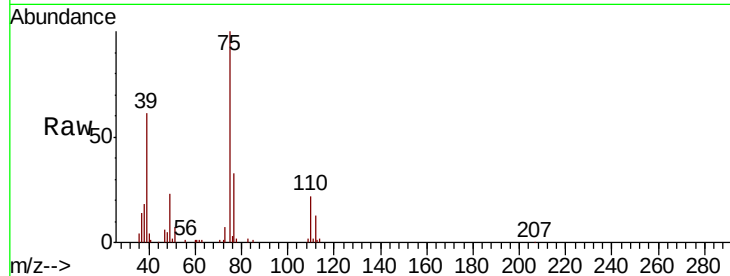




#53
 t-1,3-Dichloropropene
 Concen: 20.936 ug/l
 RT: 10.92 min Scan# 965
 Delta R.T. 0.00 min
 Lab File: VD063552.D
 Acq: 14 Aug 2019 3:56

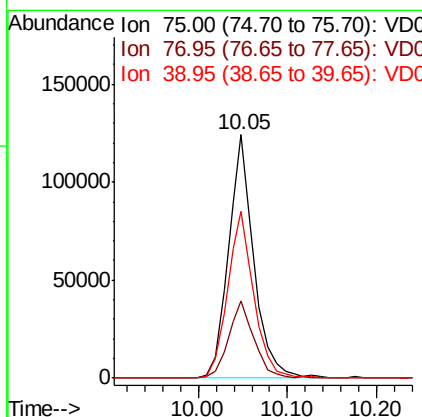
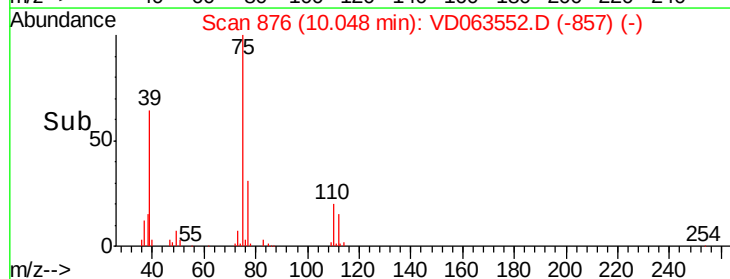
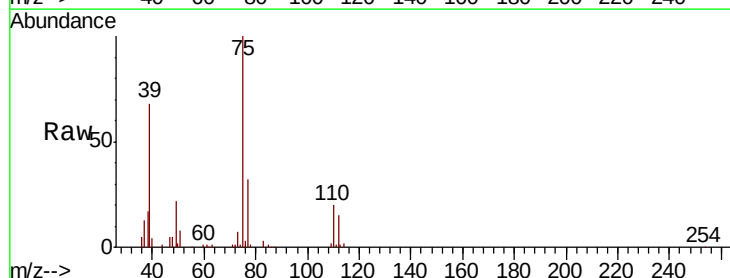
Instrument :
 MSVOA_D
 ClientSampled :

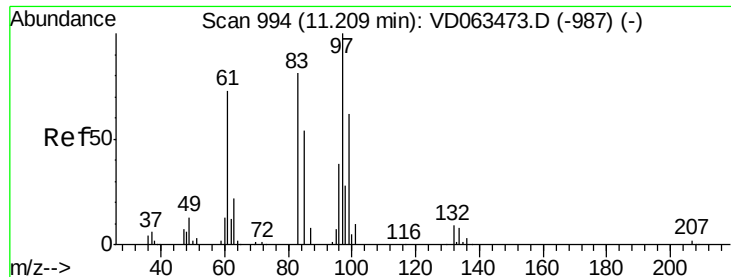
Tot Ion: 75 Resp: 234897
 Ion Ratio Lower Upper
 75 100
 77 33.2 24.5 36.7



#54
 cis-1,3-Dichloropropene
 Concen: 19.537 ug/l
 RT: 10.05 min Scan# 876
 Delta R.T. -0.01 min
 Lab File: VD063552.D
 Acq: 14 Aug 2019 3:56

Tgt Ion: 75 Resp: 247166
 Ion Ratio Lower Upper
 75 100
 77 31.9 23.7 35.5
 39 68.3 52.2 78.4

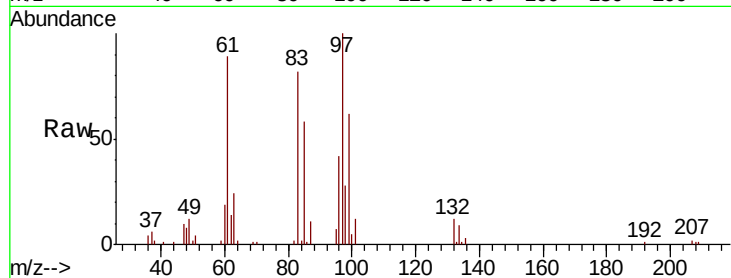




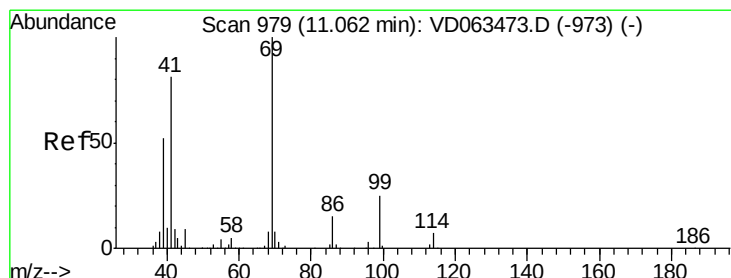
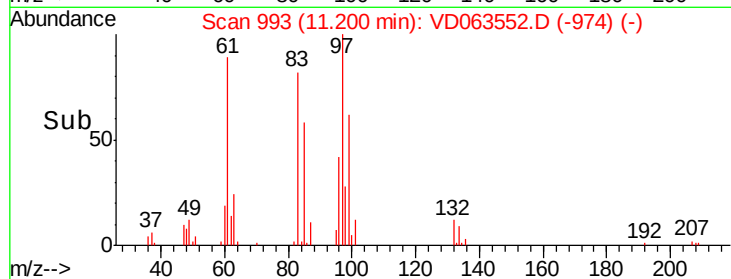
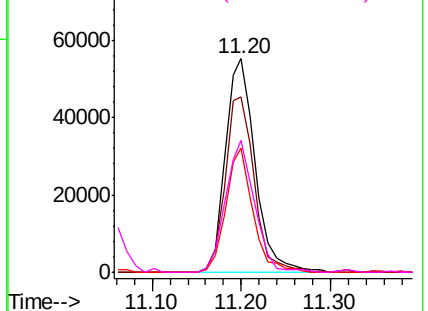
#55
 1,1,2-Trichloroethane
 Concen: 22.128 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: VD063552.D
 Acq: 14 Aug 2019 3:56

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	129749
Ion	Ratio	Lower	Upper
97	100		
83	82.1	64.7	97.1
85	57.9	42.9	64.3
99	61.7	49.7	74.5

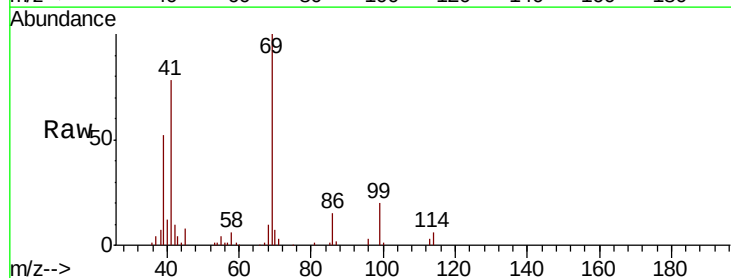


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

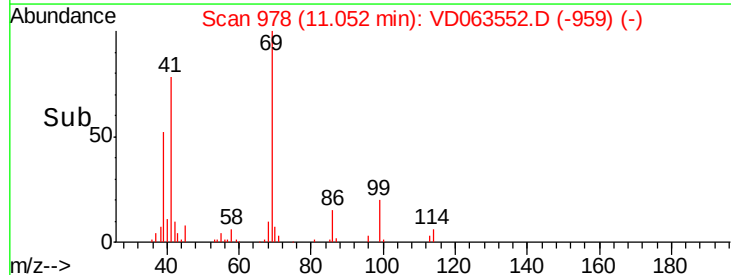
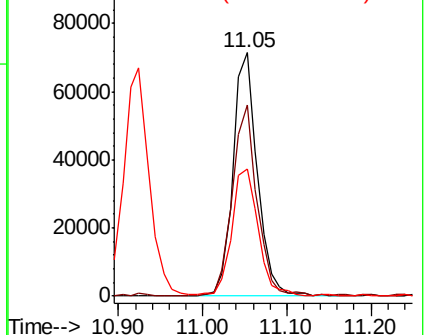


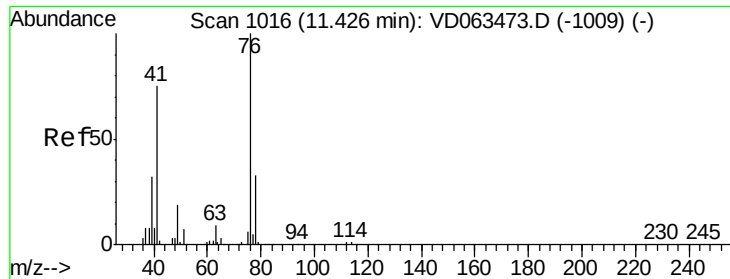
#56
 Ethyl methacrylate
 Concen: 22.534 ug/l
 RT: 11.05 min Scan# 978
 Delta R.T. -0.01 min
 Lab File: VD063552.D
 Acq: 14 Aug 2019 3:56

Tgt Ion:	69	Resp:	143412
Ion	Ratio	Lower	Upper
69	100		
41	78.3	64.8	97.2
39	52.0	42.4	63.6



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





#57

1,3-Dichloropropane

Concen: 21.202 ug/l

RT: 11.42 min Scan# 1015

Delta R.T. -0.01 min

Lab File: VD063552.D

Acq: 14 Aug 2019 3:56

Instrument :

MSVOA_D

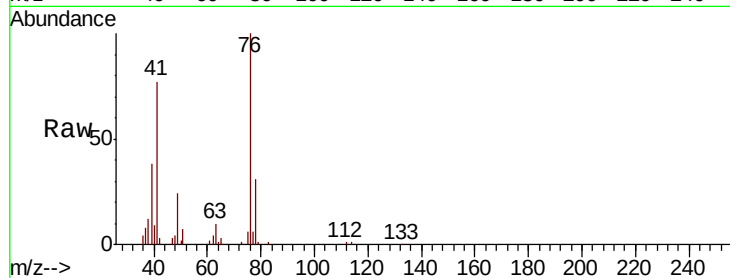
ClientSampled :

Tot Ion: 76 Resp: 187924

Ion Ratio Lower Upper

76 100

78 30.8 26.3 39.5



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.42

100000

80000

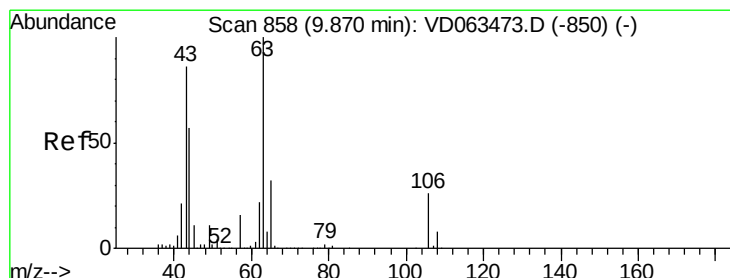
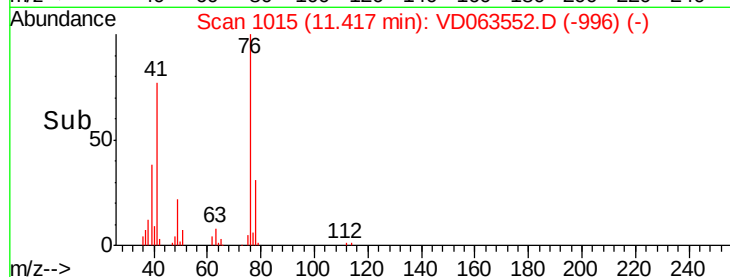
60000

40000

20000

0

Time--> 11.30 11.40 11.50



#58

2-Chloroethyl Vinyl ether

Concen: 111.053 ug/l

RT: 9.87 min Scan# 858

Delta R.T. 0.00 min

Lab File: VD063552.D

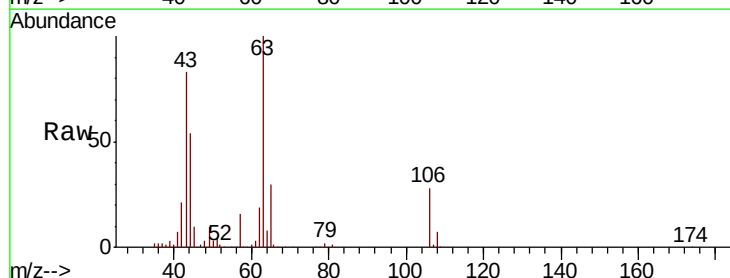
Acq: 14 Aug 2019 3:56

Tgt Ion: 63 Resp: 373132

Ion Ratio Lower Upper

63 100

106 27.8 20.8 31.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

9.87

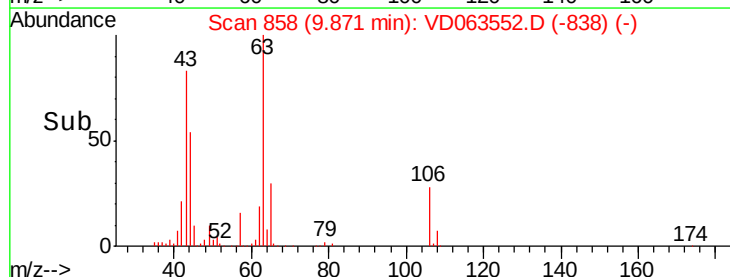
150000

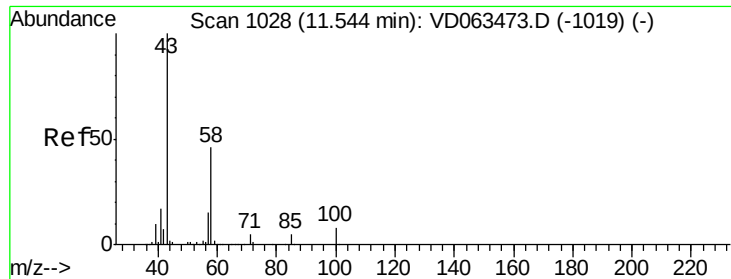
100000

50000

0

Time--> 9.80 9.90 10.00

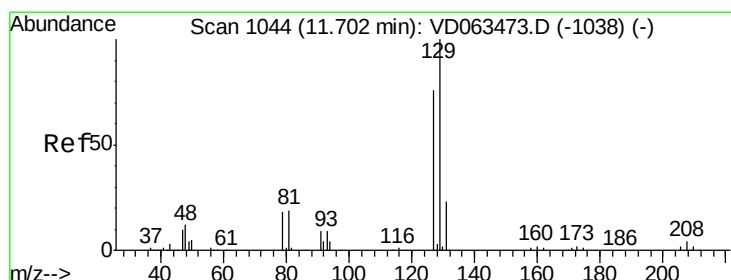
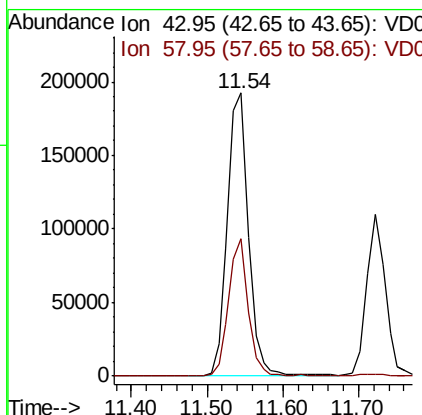
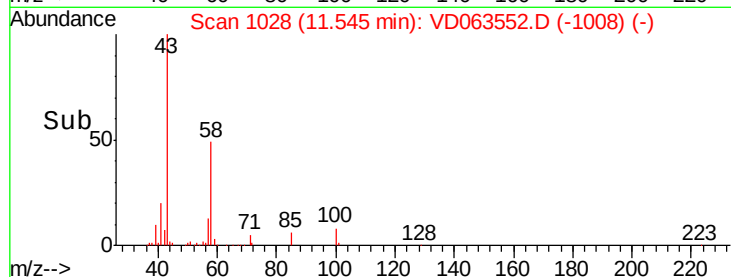
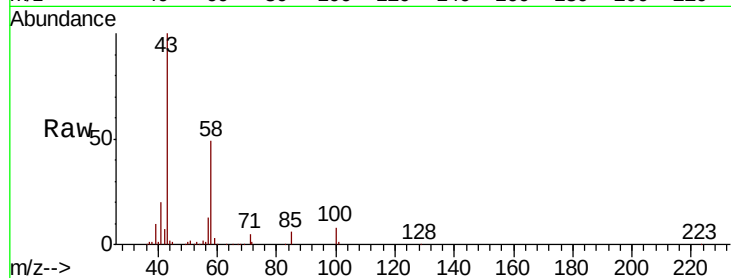




#59
2-Hexanone
Concen: 108.829 ug/l
RT: 11.54 min Scan# 1028
Delta R.T. 0.00 min
Lab File: VD063552.D
Acq: 14 Aug 2019 3:56

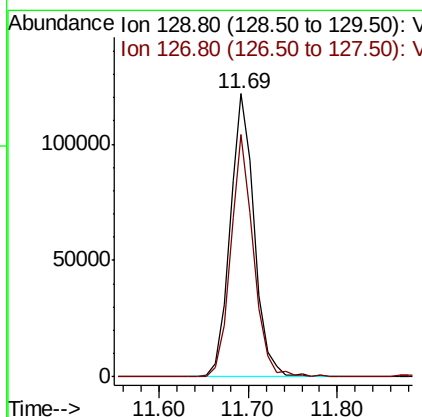
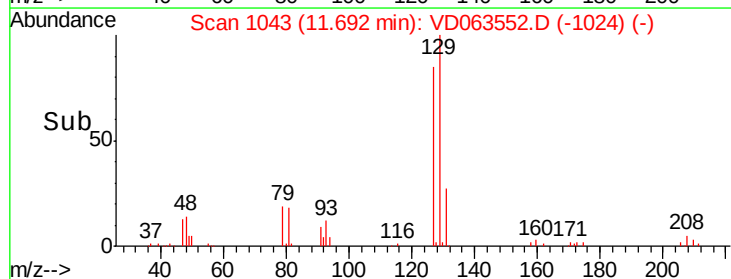
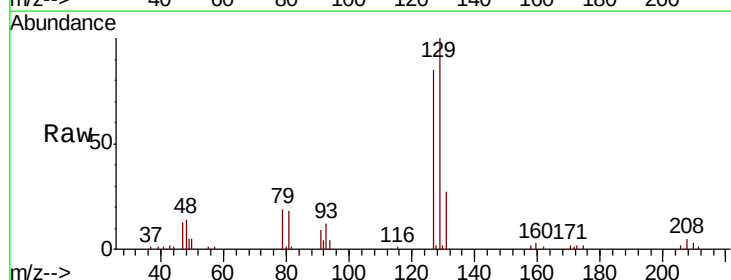
Instrument :
MSVOA_D
ClientSampled :

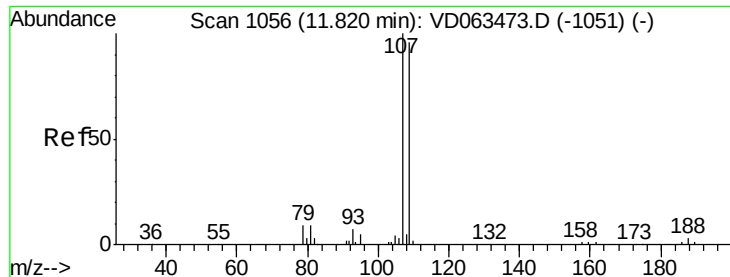
Tot Ion: 43 Resp: 372411
Ion Ratio Lower Upper
43 100
58 48.7 23.1 69.2



#60
Dibromochloromethane
Concen: 21.582 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VD063552.D
Acq: 14 Aug 2019 3:56

Tgt Ion: 129 Resp: 230274
Ion Ratio Lower Upper
129 100
127 85.5 37.8 113.4

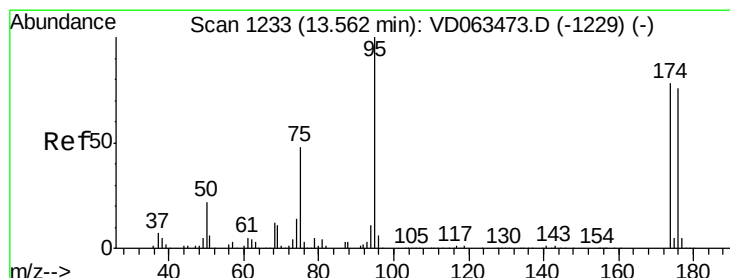
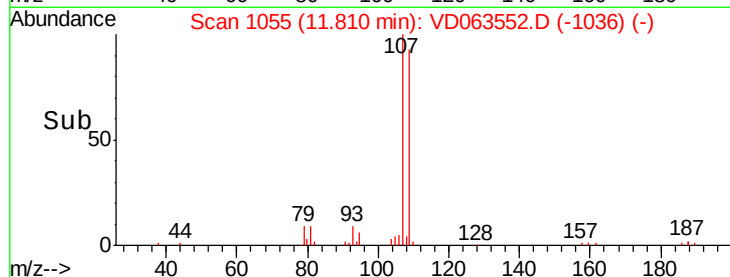
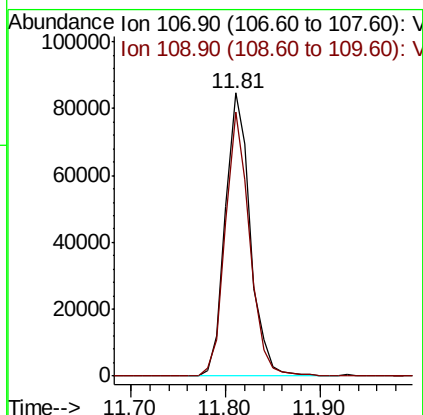
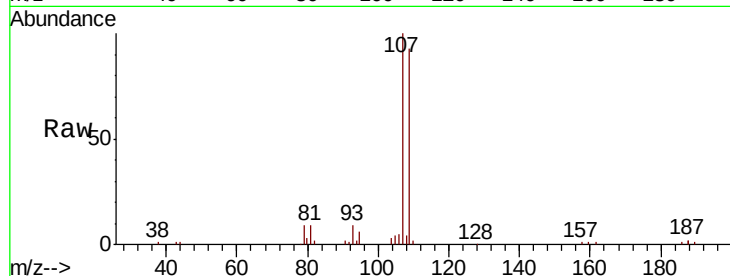




#61
 1,2-Dibromoethane
 Concen: 21.781 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. -0.01 min
 Lab File: VD063552.D
 Acq: 14 Aug 2019 3:56

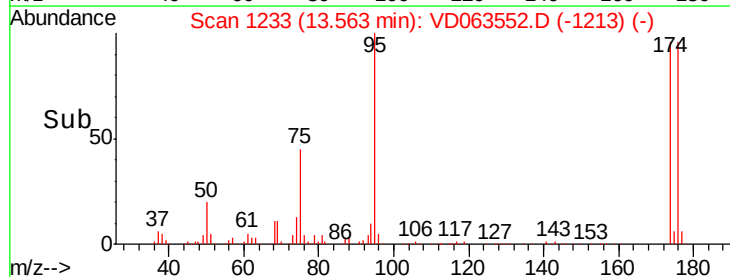
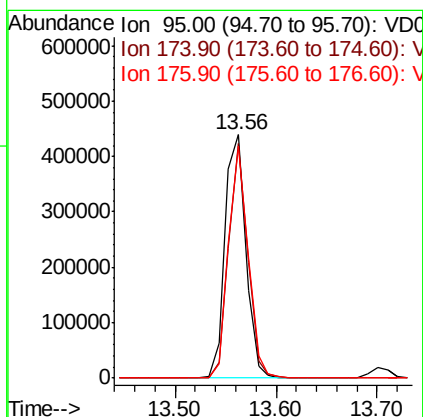
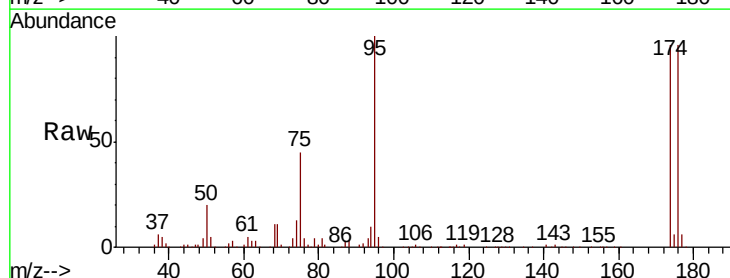
Instrument :
 MSVOA_D
 ClientSampleId :

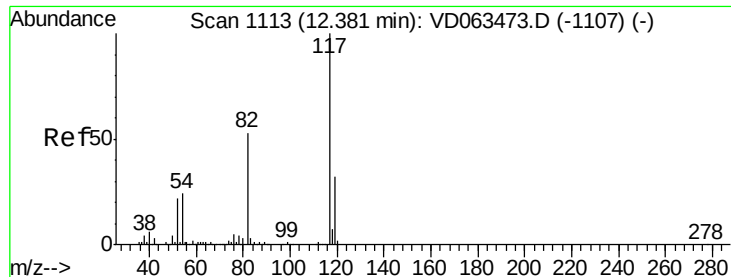
Tot Ion: 107 Resp: 154612
 Ion Ratio Lower Upper
 107 100
 109 93.2 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 54.450 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VD063552.D
 Acq: 14 Aug 2019 3:56

Tgt Ion: 95 Resp: 633035
 Ion Ratio Lower Upper
 95 100
 174 96.3 0.0 155.4
 176 95.5 0.0 152.4

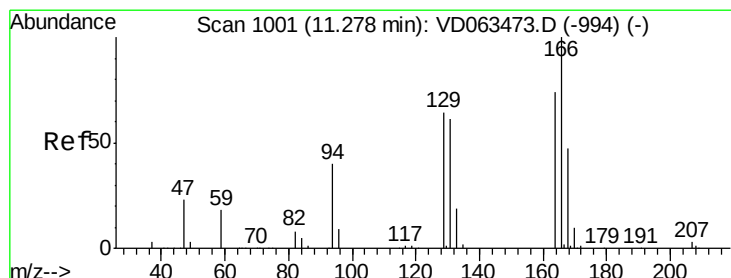
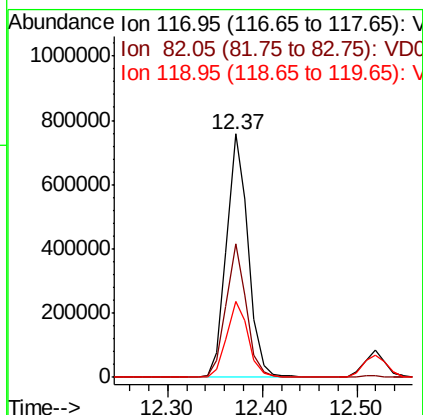
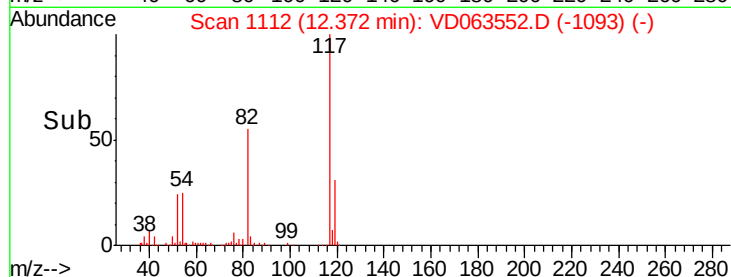
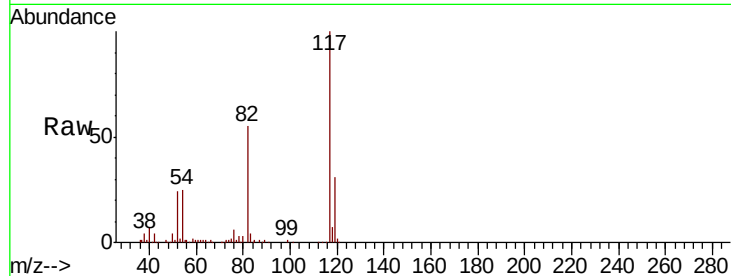




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VD063552.D
Acq: 14 Aug 2019 3:56

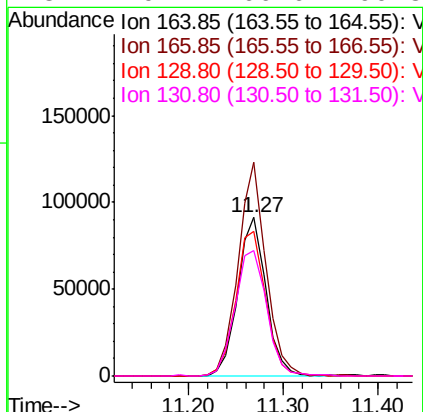
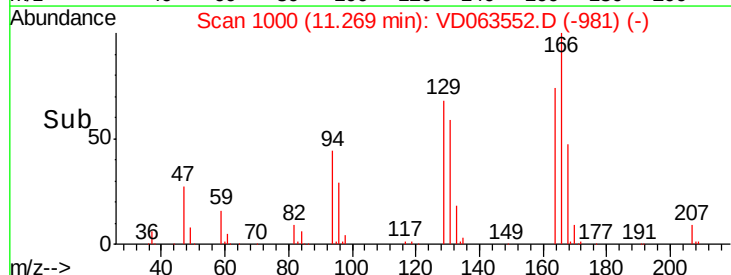
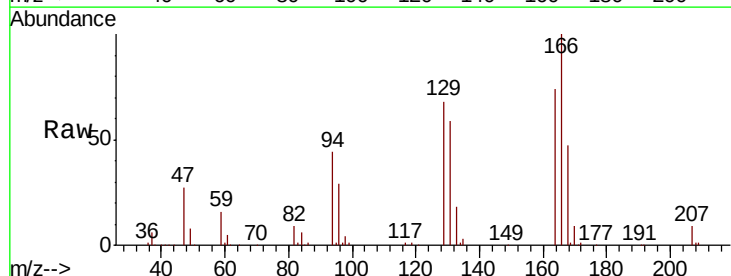
Instrument :
MSVOA_D
ClientSampled :

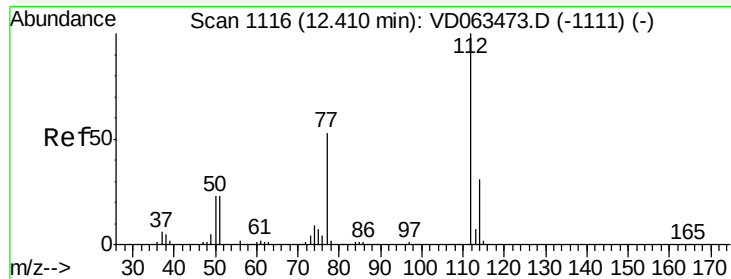
Tot Ion:117 Resp: 1199108
Ion Ratio Lower Upper
117 100
82 54.6 42.0 63.0
119 31.3 25.4 38.0



#64
Tetrachloroethene
Concen: 20.359 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. -0.01 min
Lab File: VD063552.D
Acq: 14 Aug 2019 3:56

Tgt Ion:164 Resp: 188459
Ion Ratio Lower Upper
164 100
166 134.6 108.6 163.0
129 91.2 69.0 103.6
131 79.4 66.6 99.8

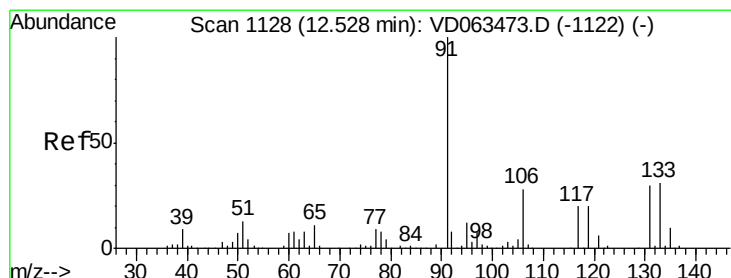
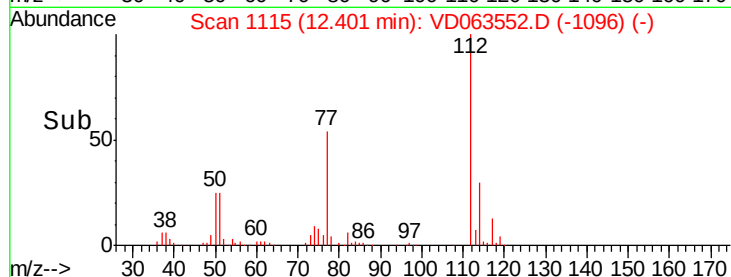
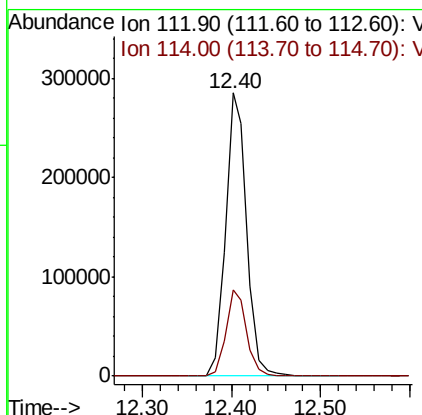
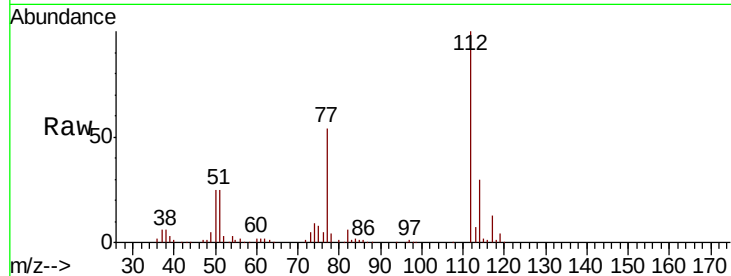




#65
Chlorobenzene
Concen: 21.117 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. -0.01 min
Lab File: VD063552.D
Acq: 14 Aug 2019 3:56

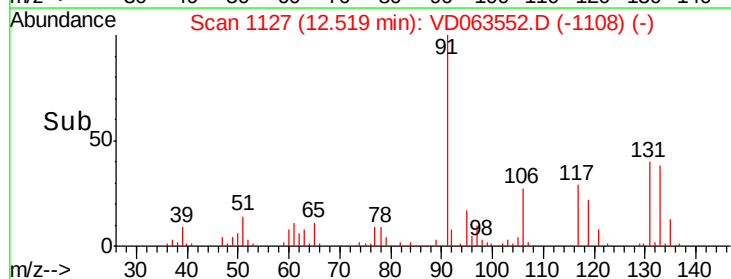
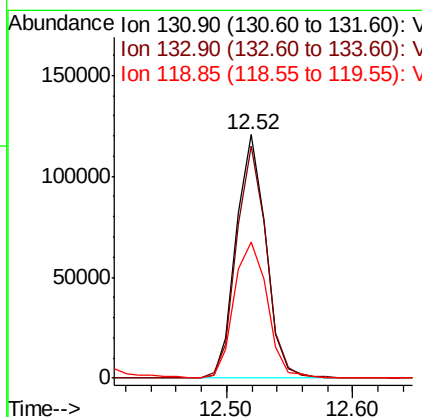
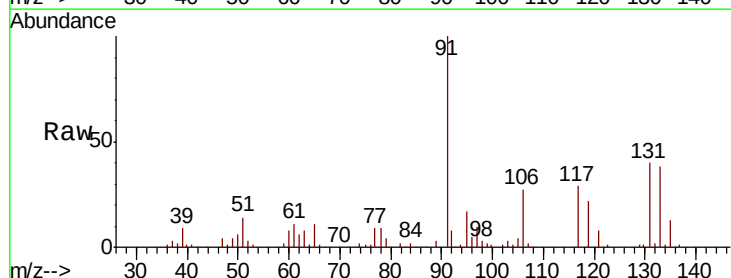
Instrument :
MSVOA_D
ClientSampleId :

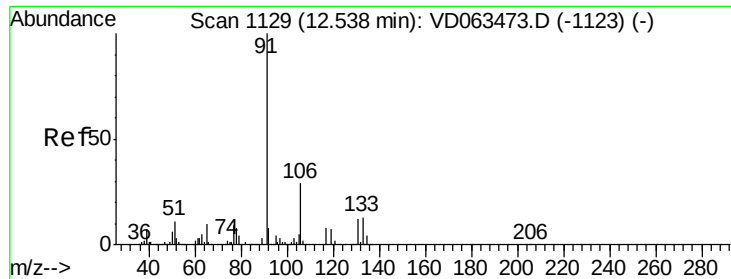
Tot Ion:112 Resp: 474577
Ion Ratio Lower Upper
112 100
114 30.4 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 19.823 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD063552.D
Acq: 14 Aug 2019 3:56

Tgt Ion:131 Resp: 196070
Ion Ratio Lower Upper
131 100
133 95.5 51.1 153.3
119 55.8 33.1 99.3

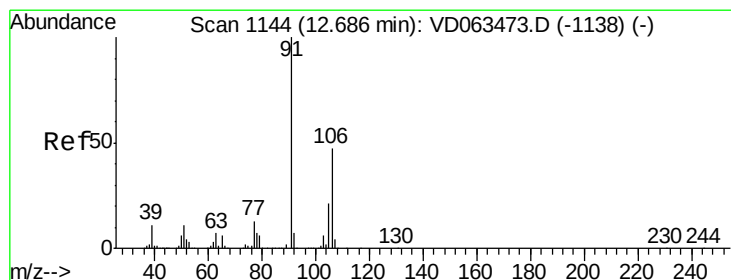
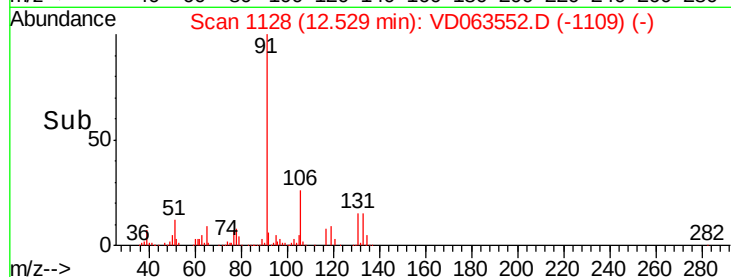
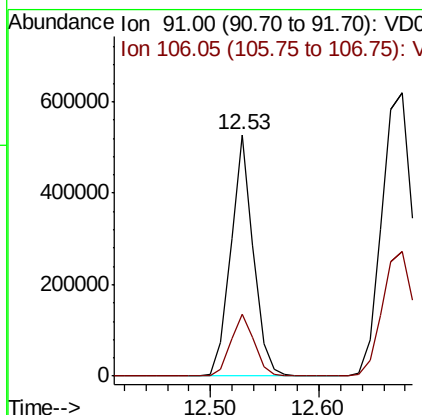
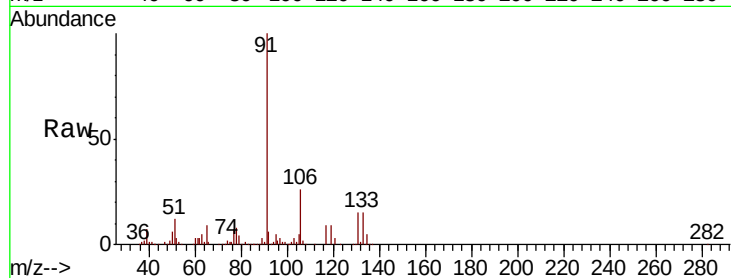




#67
Ethyl Benzene
Concen: 19.560 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. -0.01 min
Lab File: VD063552.D
Acq: 14 Aug 2019 3:56

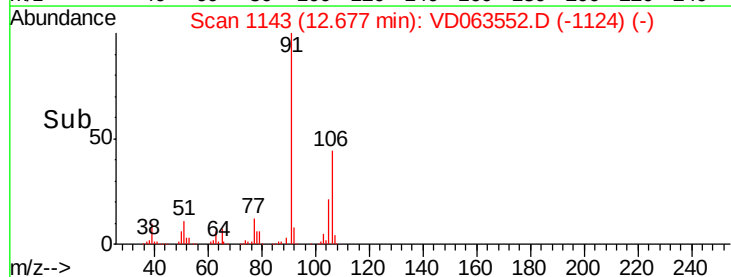
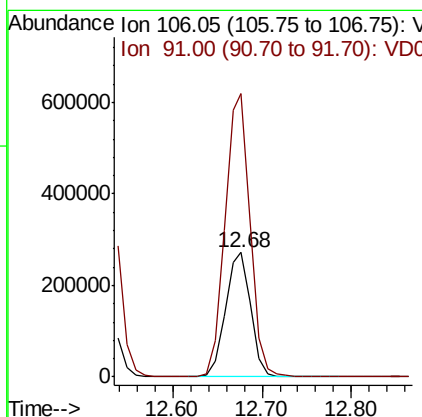
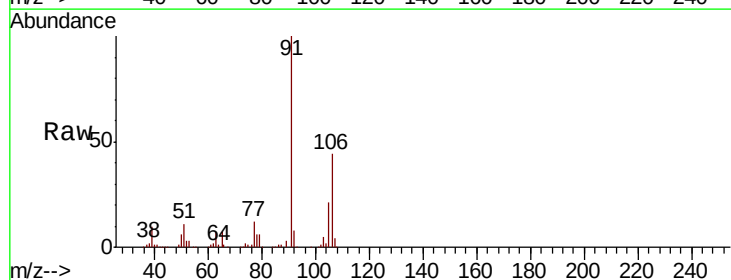
Instrument :
MSVOA_D
ClientSampleId :

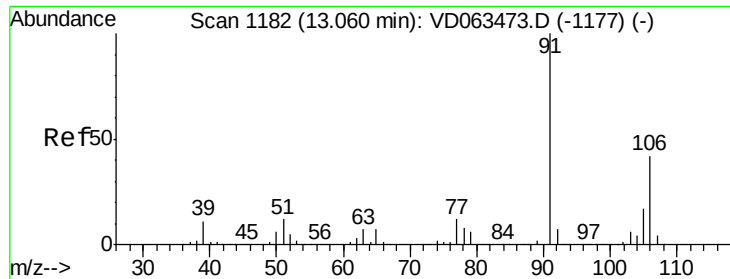
Tot Ion: 91 Resp: 764361
Ion Ratio Lower Upper
91 100
106 25.8 23.1 34.7



#68
m/p-Xylenes
Concen: 39.401 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. -0.01 min
Lab File: VD063552.D
Acq: 14 Aug 2019 3:56

Tgt Ion: 106 Resp: 540937
Ion Ratio Lower Upper
106 100
91 227.6 171.8 257.8

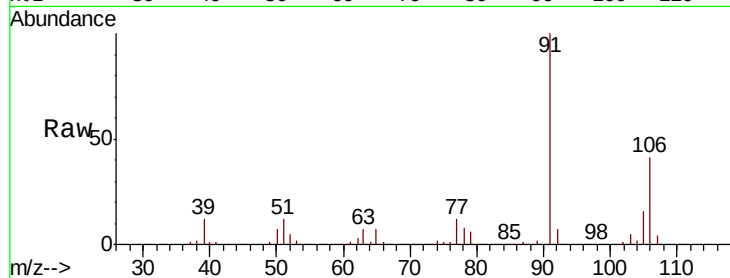




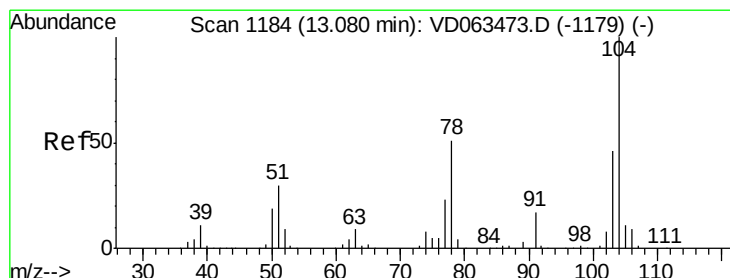
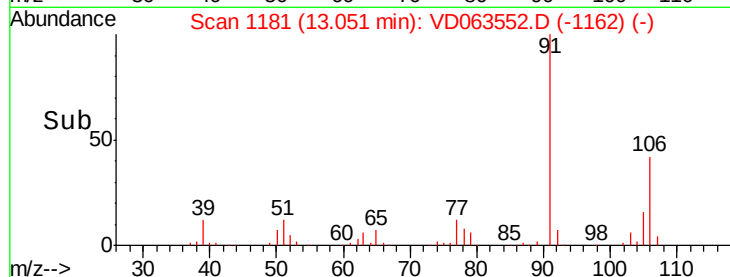
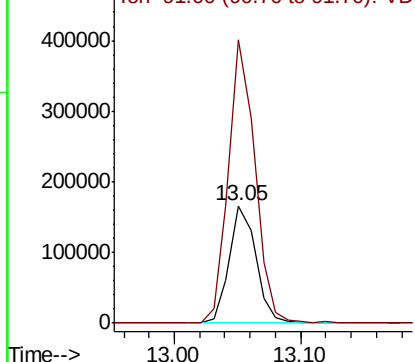
#69
o-Xylene
Concen: 18.246 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.01 min
Lab File: VD063552.D
Acq: 14 Aug 2019 3:56

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 241092
Ion Ratio Lower Upper
106 100
91 241.5 118.1 354.2

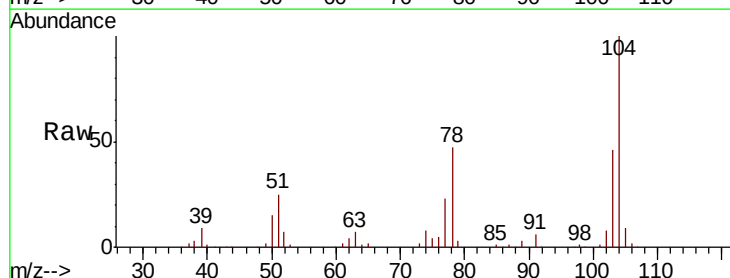


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

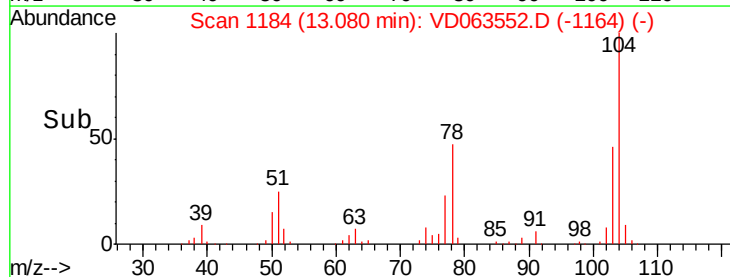
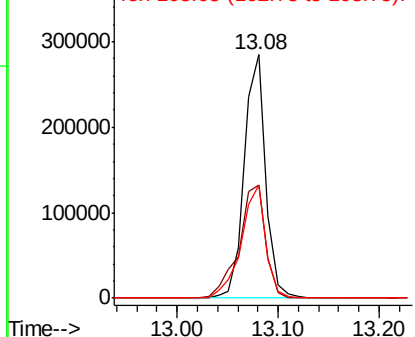


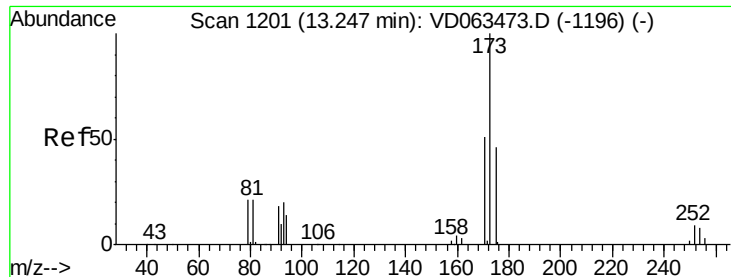
#70
Styrene
Concen: 17.890 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.00 min
Lab File: VD063552.D
Acq: 14 Aug 2019 3:56

Tgt Ion:104 Resp: 420483
Ion Ratio Lower Upper
104 100
78 46.6 40.8 61.2
103 46.2 36.4 54.6



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





#71

Bromoform

Concen: 20.924 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VD063552.D

Acq: 14 Aug 2019 3:56

Instrument :

MSVOA_D

ClientSampled :

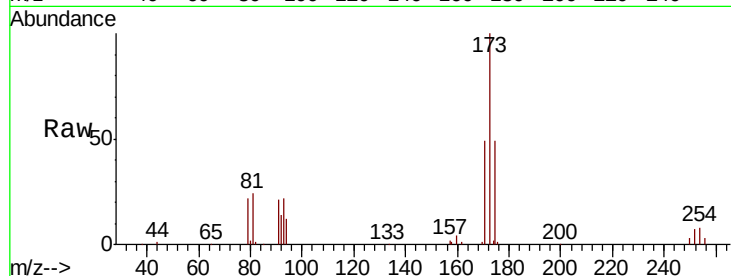
Tot Ion:173 Resp: 141905

Ion Ratio Lower Upper

173 100

175 48.9 22.8 68.3

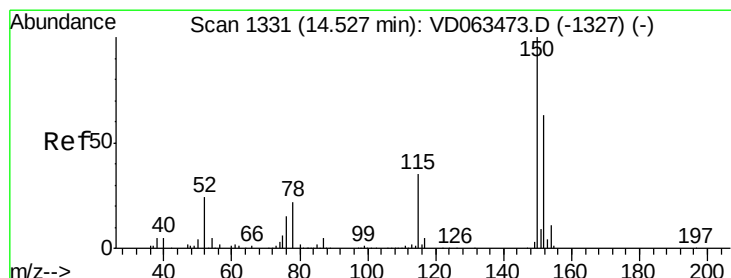
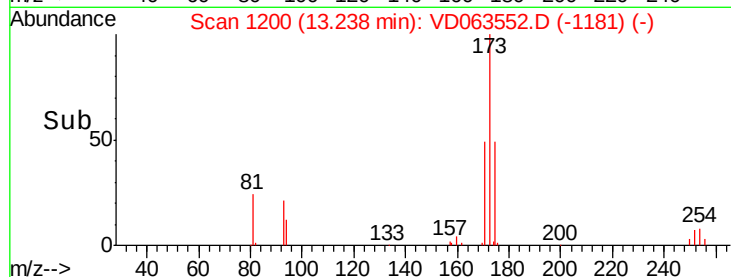
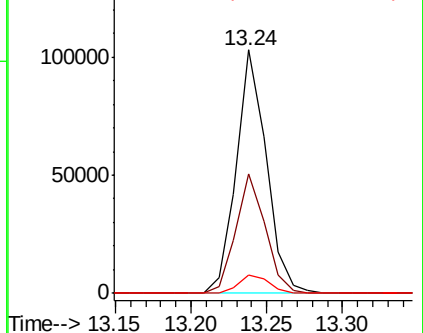
254 7.8 6.6 9.8



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.01 min

Lab File: VD063552.D

Acq: 14 Aug 2019 3:56

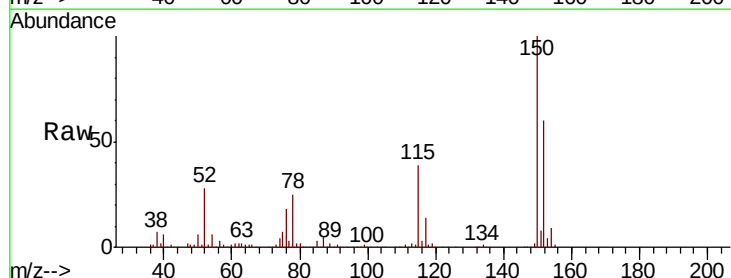
Tgt Ion:152 Resp: 611856

Ion Ratio Lower Upper

152 100

115 64.9 30.9 92.7

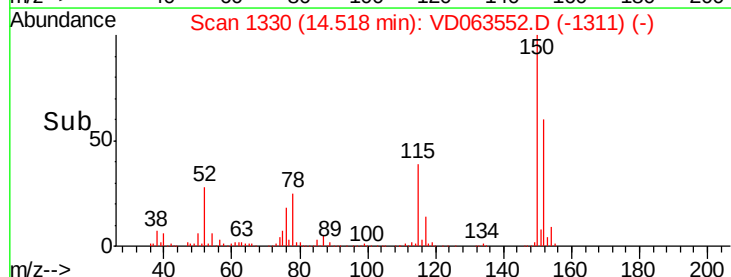
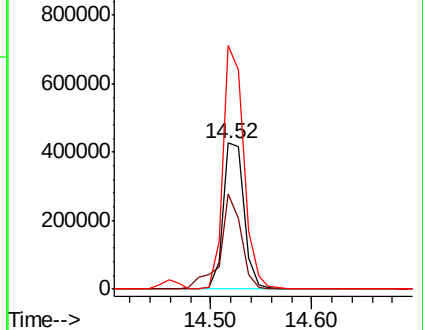
150 166.6 0.0 318.6

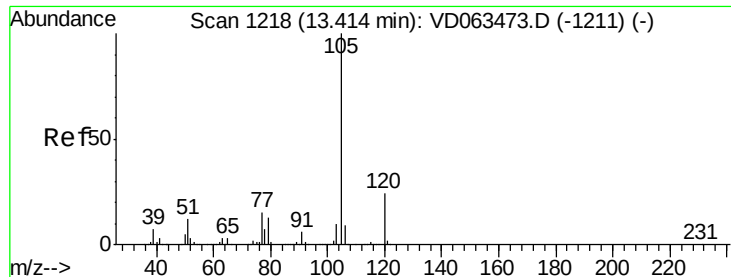


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.464 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. -0.01 min

Lab File: VD063552.D

Acq: 14 Aug 2019 3:56

Instrument :

MSVOA_D

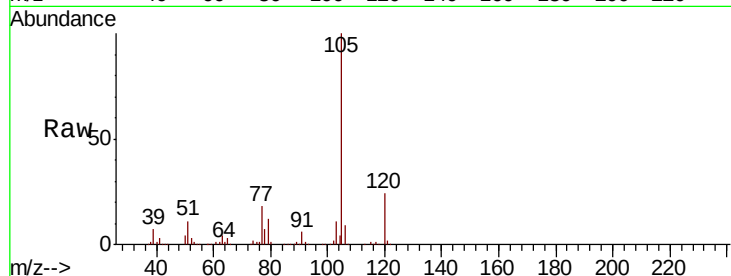
ClientSampleId :

Tot Ion: 105 Resp: 796393

Ion Ratio Lower Upper

105 100

120 23.8 11.9 35.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.41

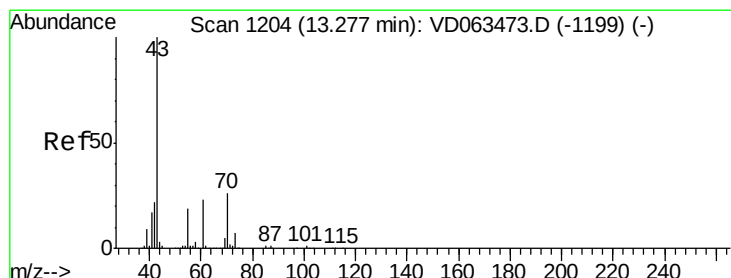
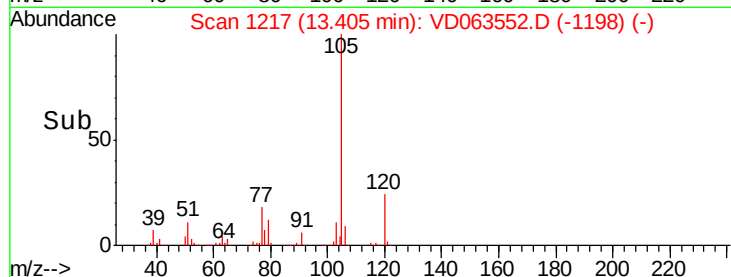
600000

400000

200000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 22.103 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VD063552.D

Acq: 14 Aug 2019 3:56

Tgt Ion: 43 Resp: 215934

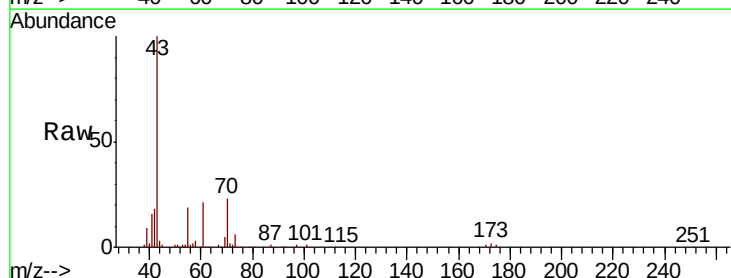
Ion Ratio Lower Upper

43 100

70 23.5 21.1 31.7

55 19.2 15.4 23.0

61 21.0 18.2 27.2



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

250000

200000

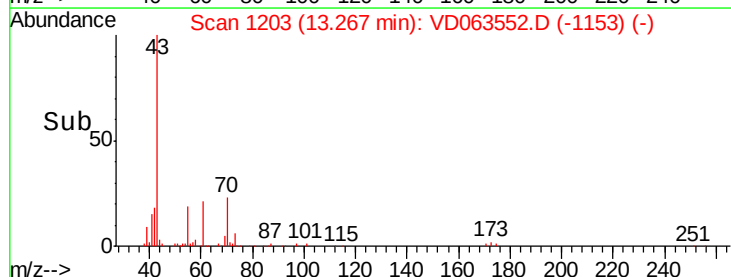
150000

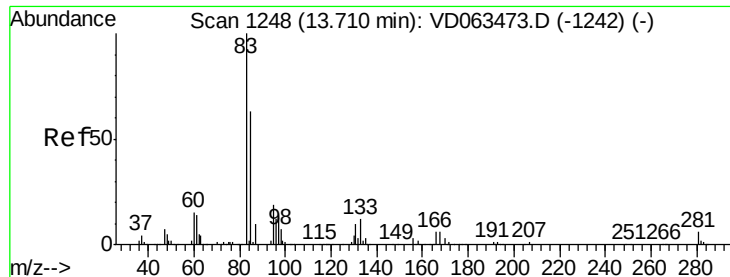
100000

50000

0

Time--> 13.20 13.30





#75

1,1,2,2-Tetrachloroethane

Concen: 21.682 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.01 min

Lab File: VD063552.D

Acq: 14 Aug 2019 3:56

Instrument :

MSVOA_D

ClientSampled :

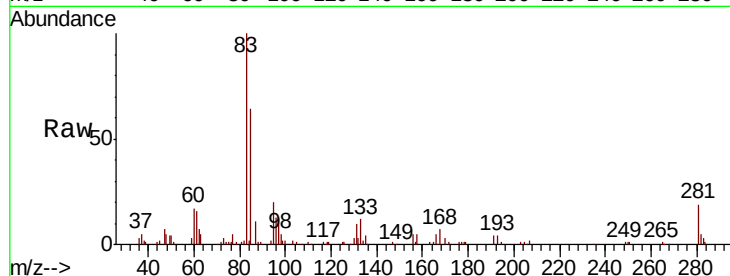
Tot Ion: 83 Resp: 140059

Ion Ratio Lower Upper

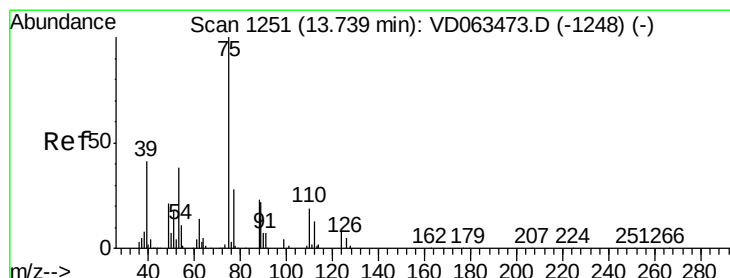
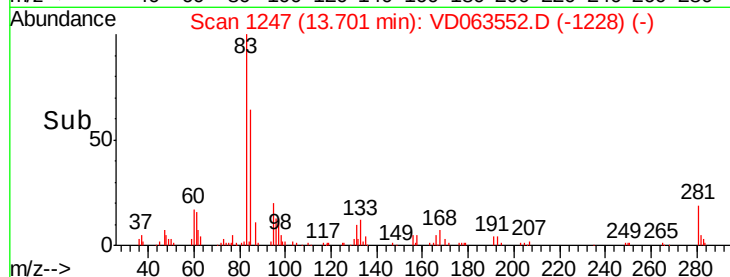
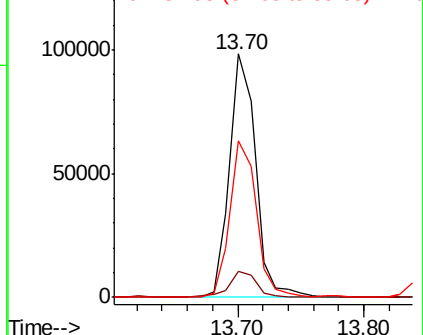
83 100

131 10.5 5.3 15.8

85 64.1 31.4 94.3



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 20.883 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VD063552.D

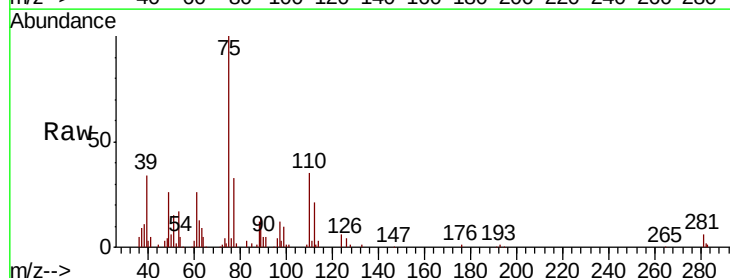
Acq: 14 Aug 2019 3:56

Tgt Ion: 75 Resp: 146643

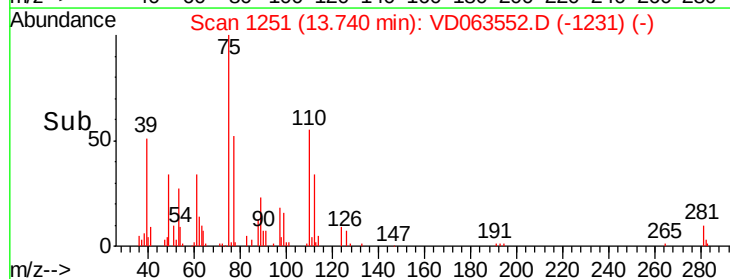
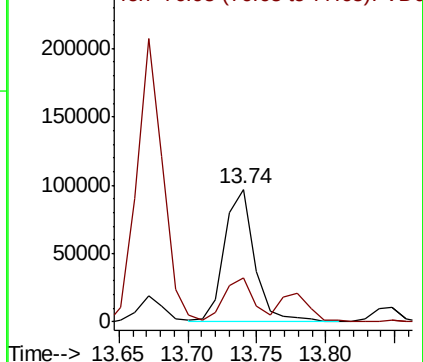
Ion Ratio Lower Upper

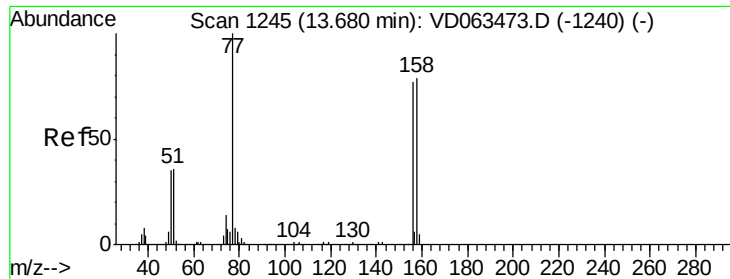
75 100

77 33.0 15.1 45.3



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

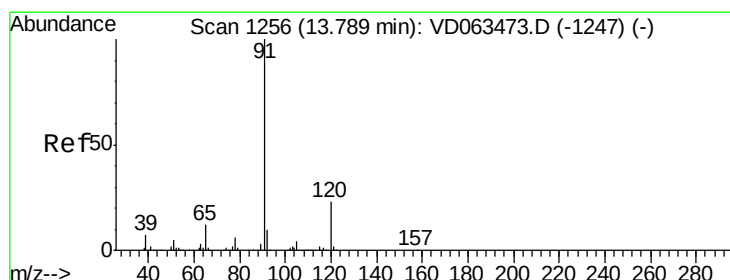
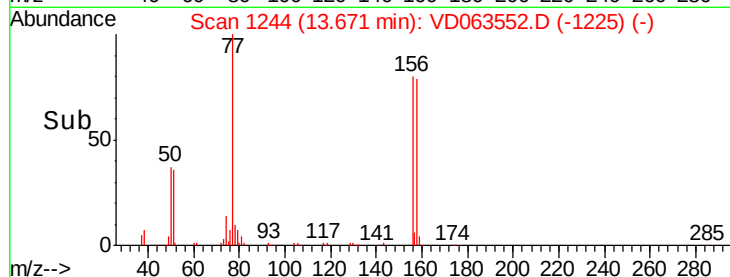
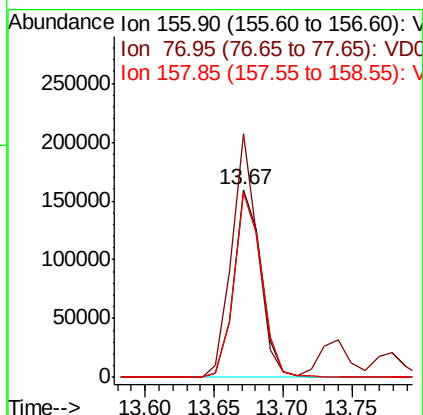
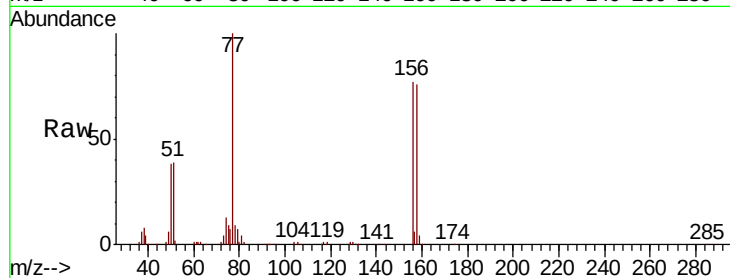




#77
Bromobenzene
Concen: 20.735 ug/l
RT: 13.67 min Scan# 1244
Delta R.T. -0.01 min
Lab File: VD063552.D
Acq: 14 Aug 2019 3:56

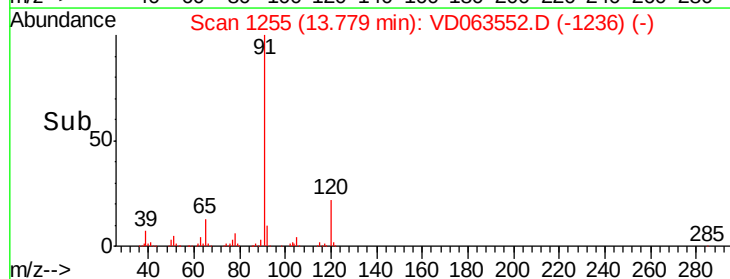
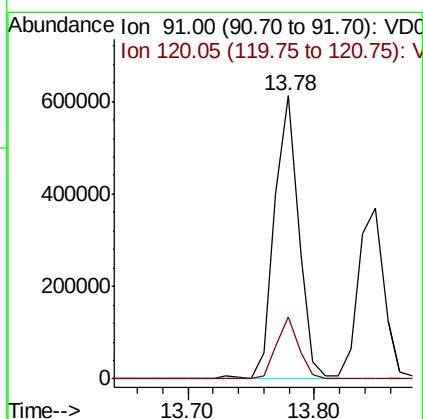
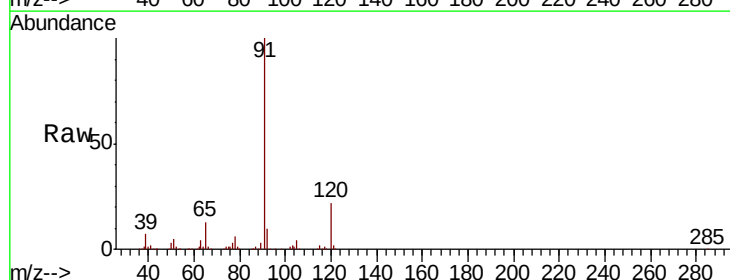
Instrument :
MSVOA_D
ClientSampleId :

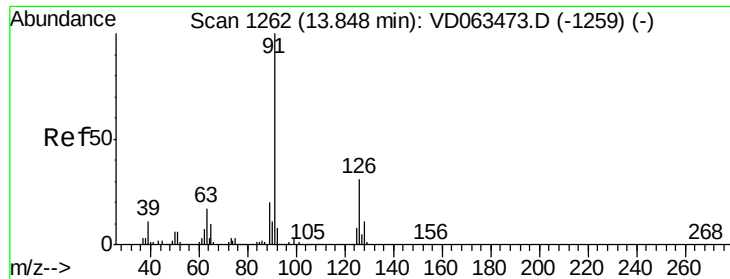
Tot Ion:156 Resp: 220541
Ion Ratio Lower Upper
156 100
77 129.6 64.6 193.8
158 98.7 50.9 152.7



#78
n-propylbenzene
Concen: 18.187 ug/l
RT: 13.78 min Scan# 1255
Delta R.T. -0.01 min
Lab File: VD063552.D
Acq: 14 Aug 2019 3:56

Tgt Ion: 91 Resp: 828143
Ion Ratio Lower Upper
91 100
120 22.0 11.3 33.9

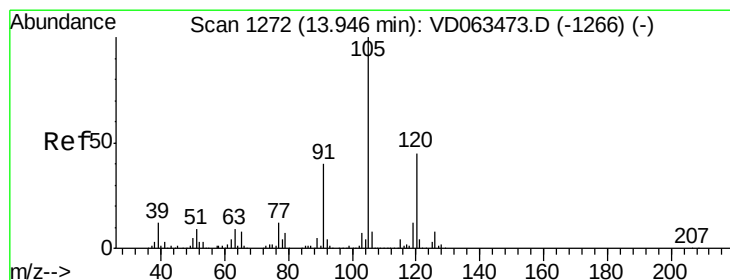
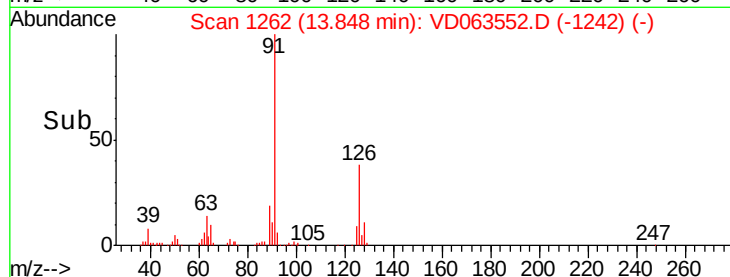
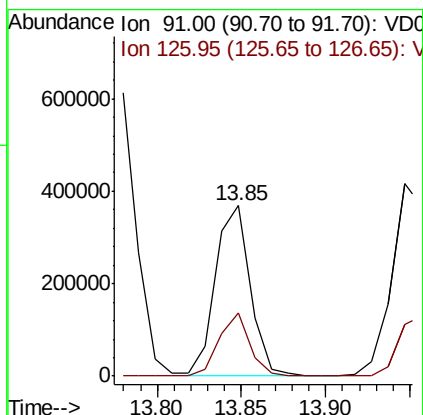
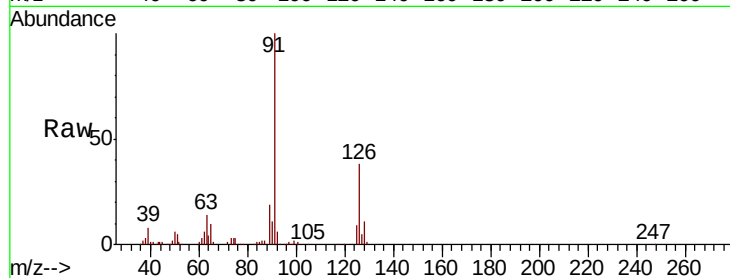




#79
2-Chlorotoluene
Concen: 20.004 ug/l
RT: 13.85 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VD063552.D
Acq: 14 Aug 2019 3:56

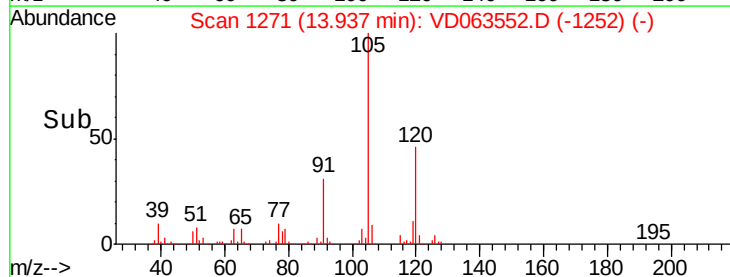
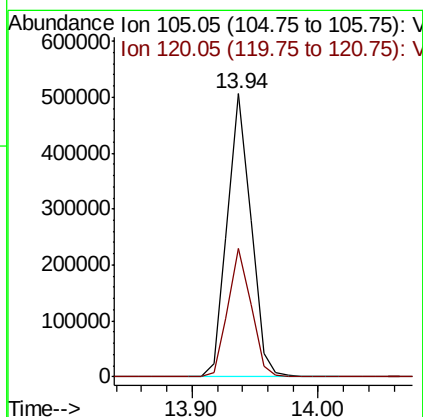
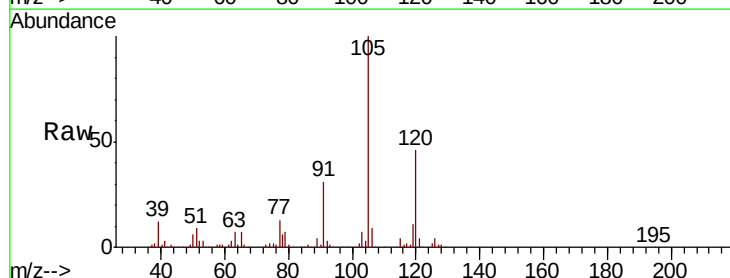
Instrument :
MSVOA_D
ClientSampleId :

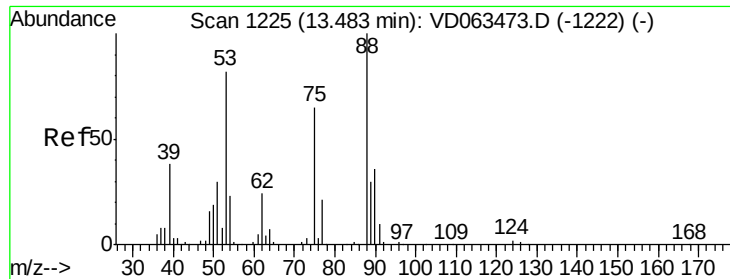
Tot Ion: 91 Resp: 525202
Ion Ratio Lower Upper
91 100
126 37.5 15.6 46.7



#80
1,3,5-Trimethylbenzene
Concen: 19.295 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VD063552.D
Acq: 14 Aug 2019 3:56

Tgt Ion: 105 Resp: 656104
Ion Ratio Lower Upper
105 100
120 45.6 22.8 68.3

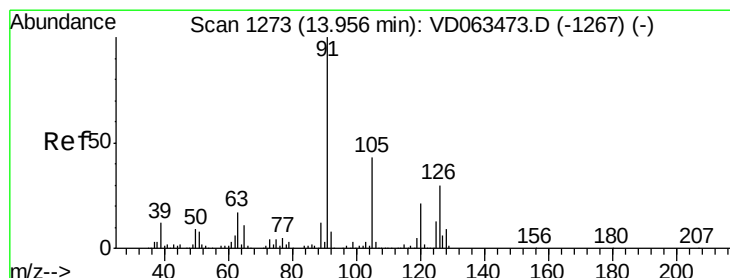
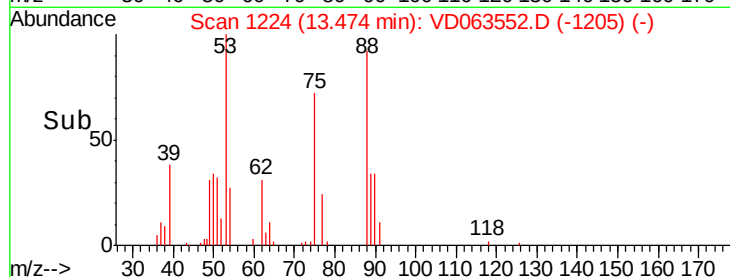
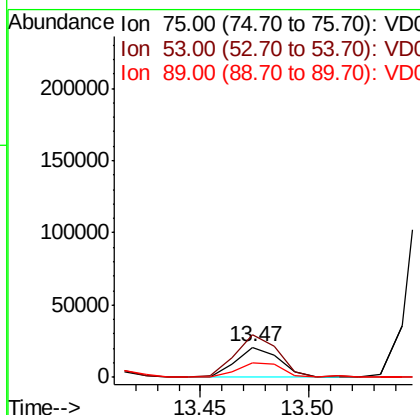
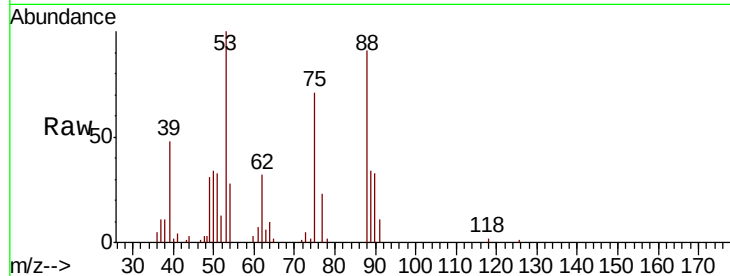




#81
trans-1,4-Dichloro-2-butene
Concen: 15.717 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. -0.01 min
Lab File: VD063552.D
Acq: 14 Aug 2019 3:56

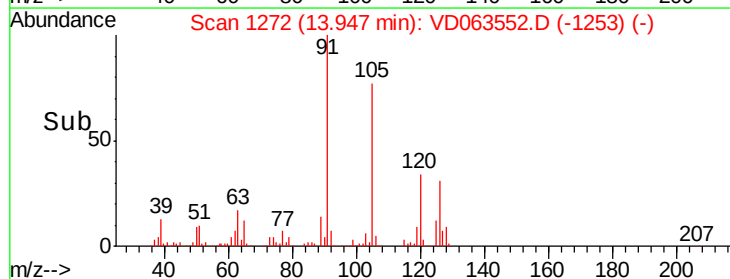
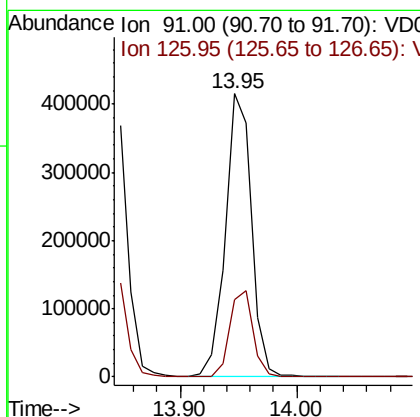
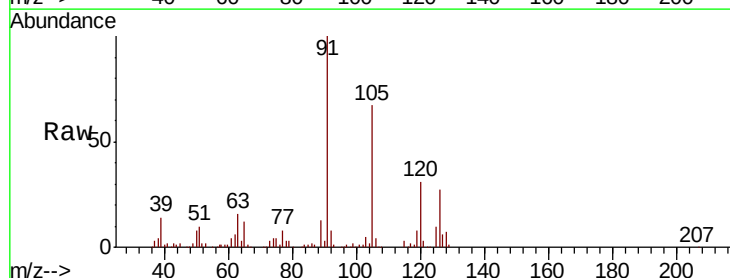
Instrument :
MSVOA_D
ClientSampleId :

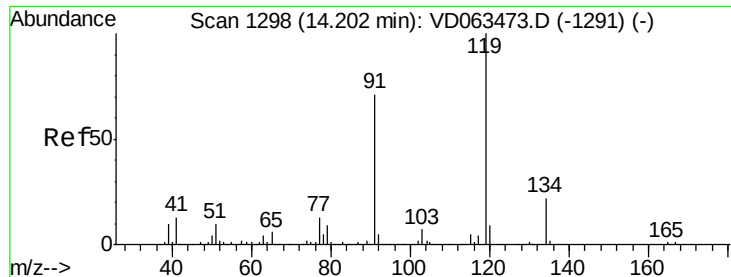
Tot Ion: 75 Resp: 29664
Ion Ratio Lower Upper
75 100
53 140.0 101.0 151.4
89 47.6 37.0 55.6



#82
4-Chlorotoluene
Concen: 20.209 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. -0.01 min
Lab File: VD063552.D
Acq: 14 Aug 2019 3:56

Tgt Ion: 91 Resp: 638009
Ion Ratio Lower Upper
91 100
126 27.3 15.2 45.6

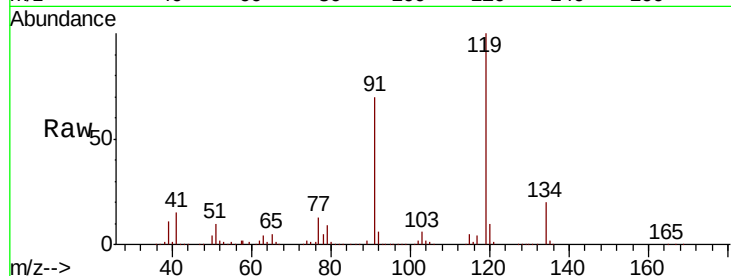




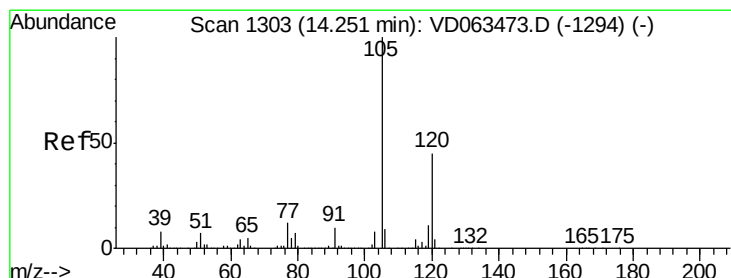
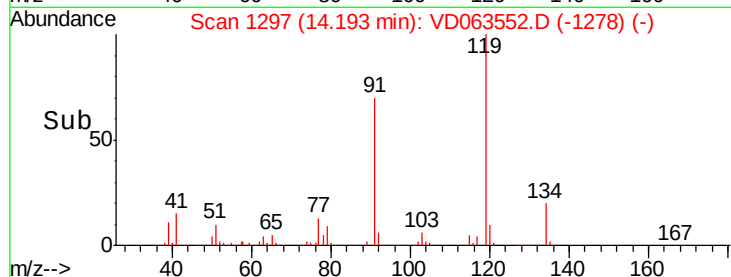
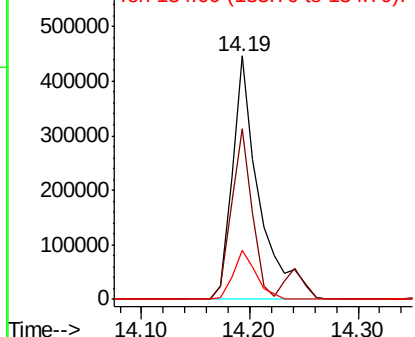
#83
 tert-Butylbenzene
 Concen: 21.405 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. -0.01 min
 Lab File: VD063552.D
 Acq: 14 Aug 2019 3:56

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:119 Resp: 766459
 Ion Ratio Lower Upper
 119 100
 91 70.2 35.5 106.7
 134 20.2 11.1 33.1

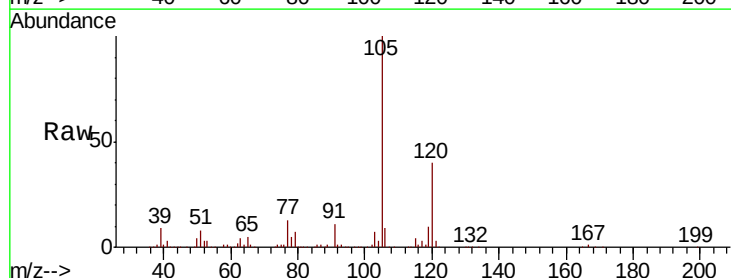


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

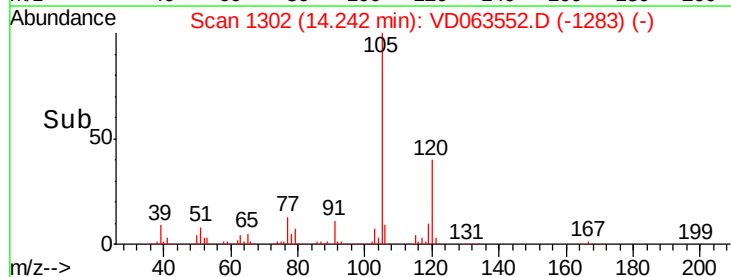
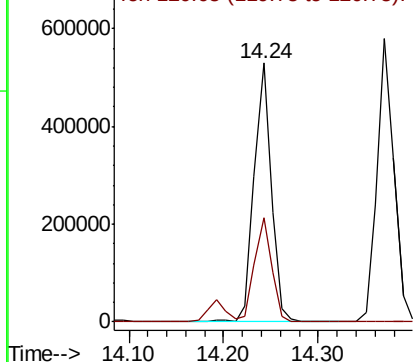


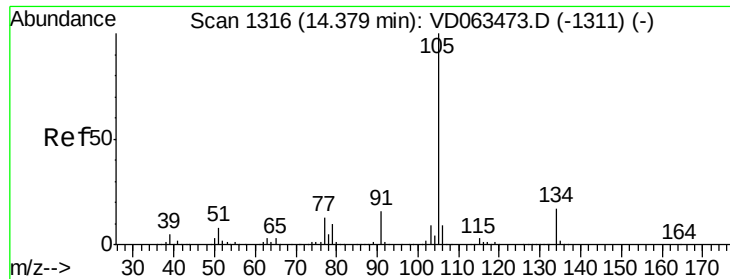
#84
 1,2,4-Trimethylbenzene
 Concen: 21.226 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. -0.01 min
 Lab File: VD063552.D
 Acq: 14 Aug 2019 3:56

Tgt Ion:105 Resp: 667814
 Ion Ratio Lower Upper
 105 100
 120 40.4 22.7 68.1



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





#85

sec-Butylbenzene

Concen: 19.186 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VD063552.D

Acq: 14 Aug 2019 3:56

Instrument :

MSVOA_D

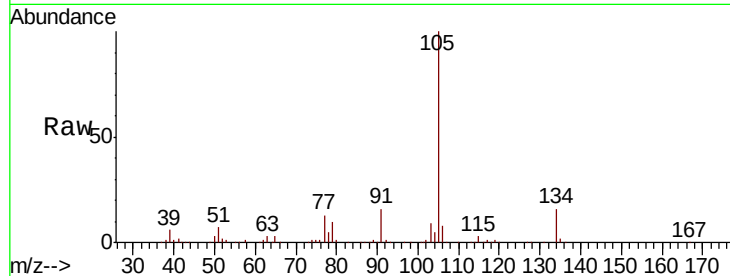
ClientSampleId :

Tot Ion:105 Resp: 729554

Ion Ratio Lower Upper

105 100

134 16.1 8.3 24.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V

14.37

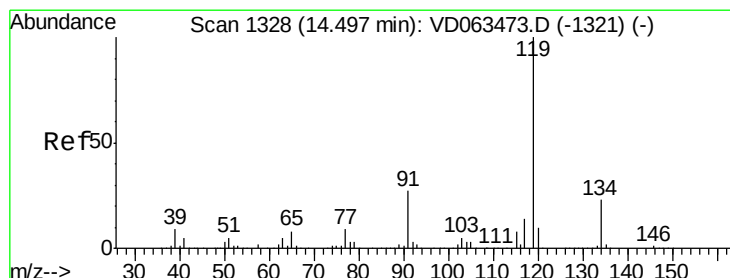
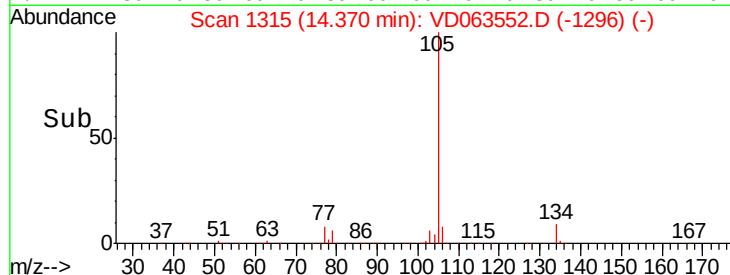
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 18.293 ug/l

RT: 14.50 min Scan# 1328

Delta R.T. 0.00 min

Lab File: VD063552.D

Acq: 14 Aug 2019 3:56

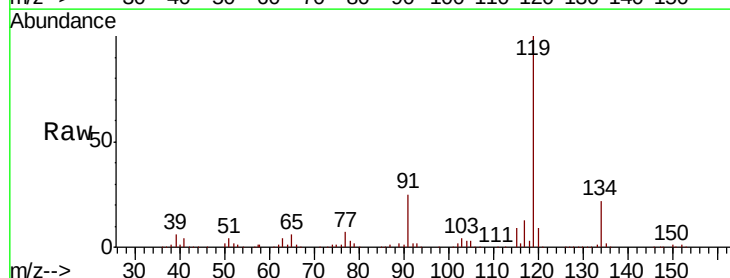
Tgt Ion:119 Resp: 665099

Ion Ratio Lower Upper

119 100

134 22.5 11.3 33.8

91 24.6 13.5 40.4



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

14.50

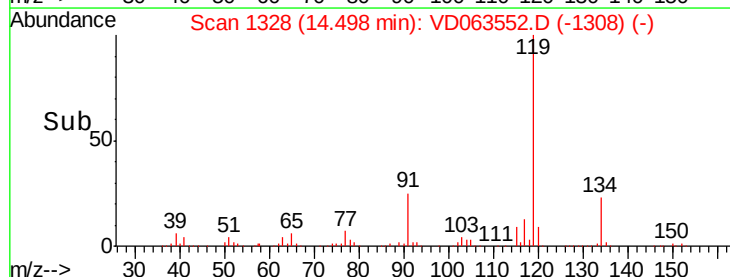
600000

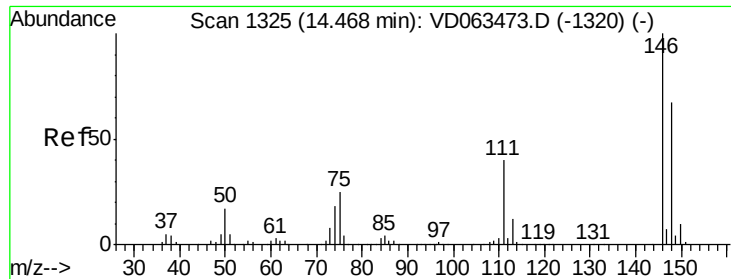
400000

200000

0

Time-->

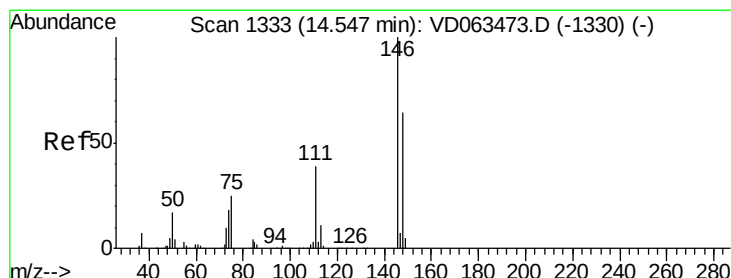
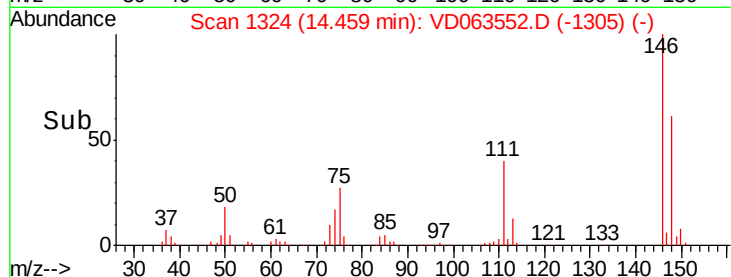
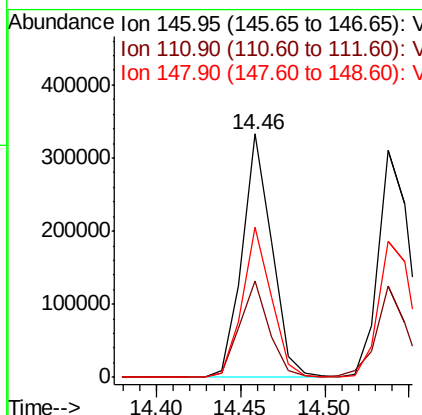
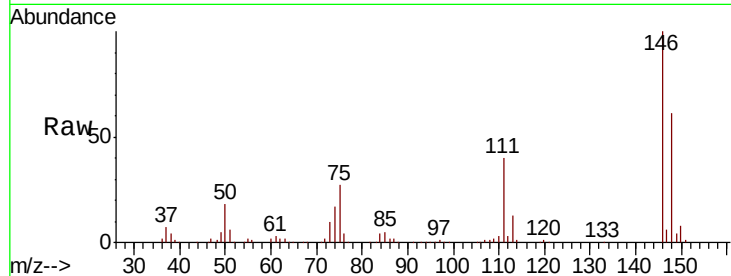




#87
 1,3-Dichlorobenzene
 Concen: 21.116 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. -0.01 min
 Lab File: VD063552.D
 Acq: 14 Aug 2019 3:56

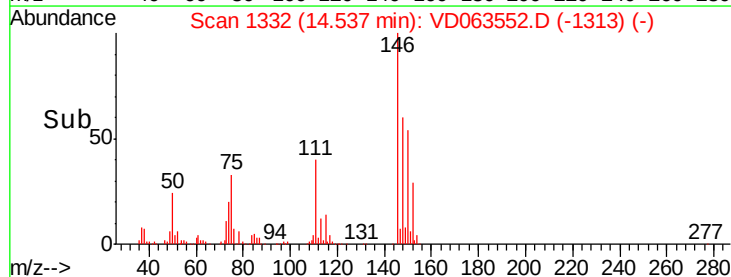
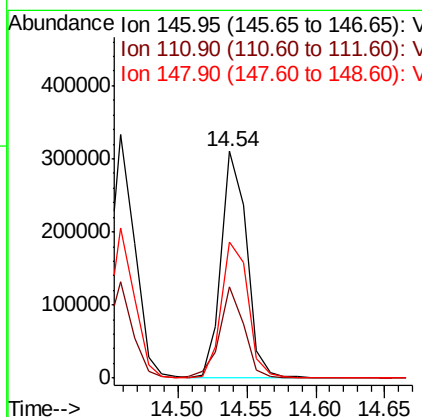
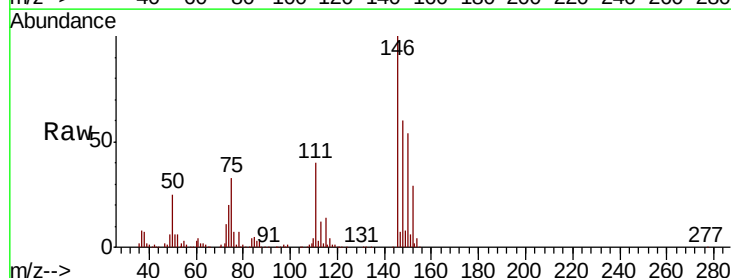
Instrument :
 MSVOA_D
 ClientSampled :

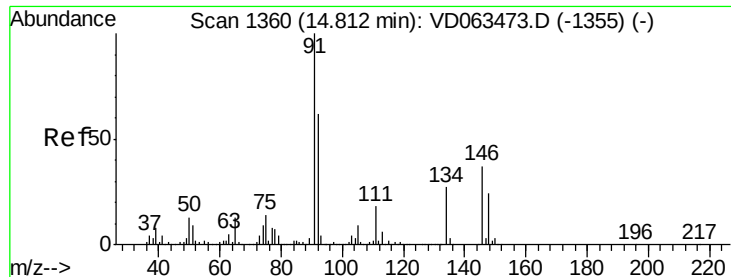
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.0	60.0
148	61.4	33.6	100.6



#88
 1,4-Dichlorobenzene
 Concen: 21.441 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: VD063552.D
 Acq: 14 Aug 2019 3:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	19.7	59.0
148	60.1	32.1	96.3





#89

n-Butylbenzene

Concen: 19.739 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. -0.01 min

Lab File: VD063552.D

Acq: 14 Aug 2019 3:56

Instrument :

MSVOA_D

ClientSampleId :

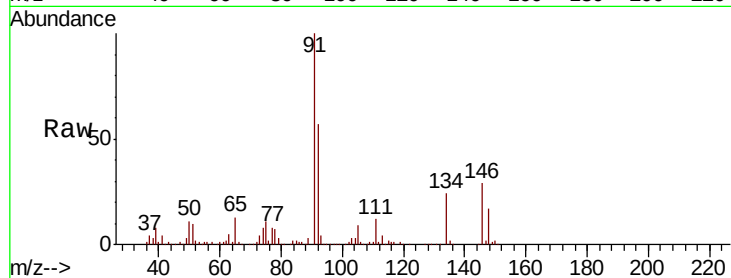
Tot Ion: 91 Resp: 655027

Ion Ratio Lower Upper

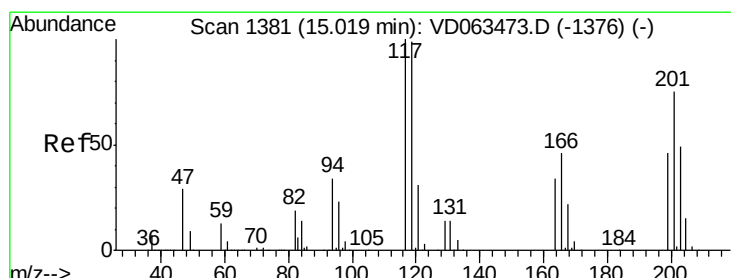
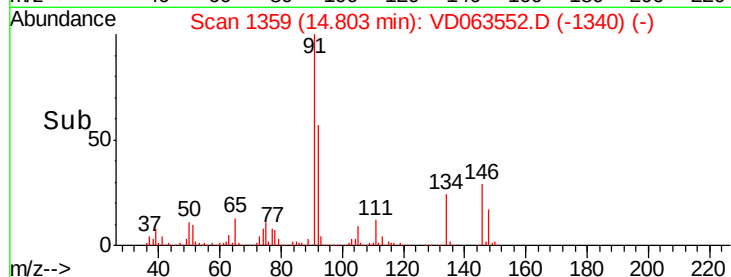
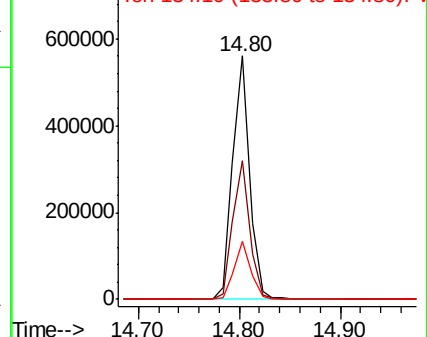
91 100

92 57.1 30.8 92.3

134 23.7 13.4 40.2



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 21.246 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. -0.01 min

Lab File: VD063552.D

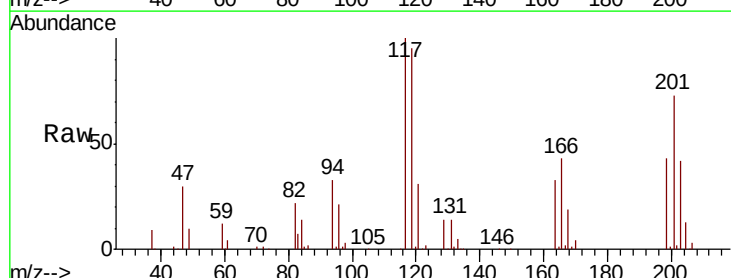
Acq: 14 Aug 2019 3:56

Tgt Ion: 117 Resp: 194158

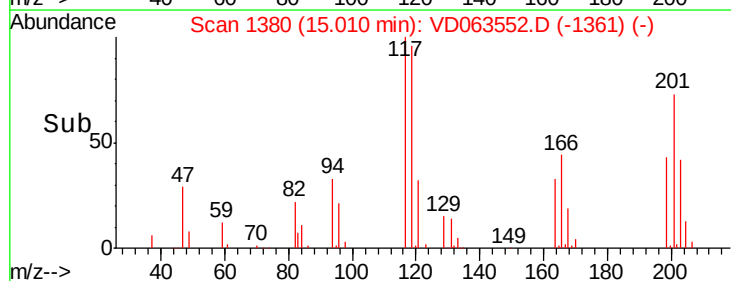
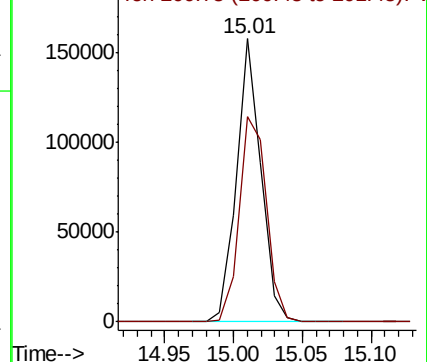
Ion Ratio Lower Upper

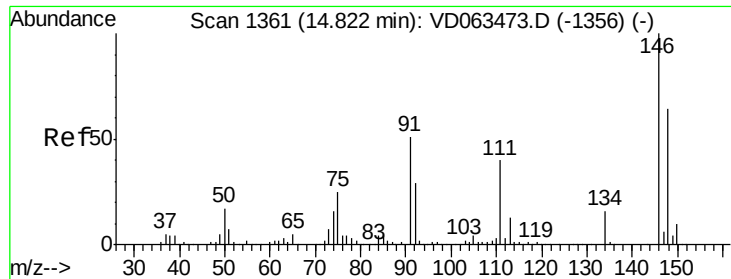
117 100

201 72.6 37.5 112.5



Abundance Ion 116.85 (116.55 to 117.55): VDC
Ion 200.75 (200.45 to 201.45): VDC

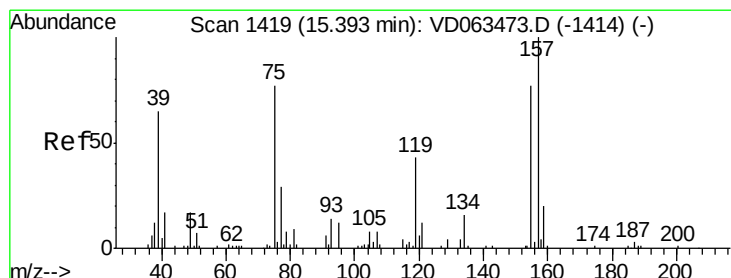
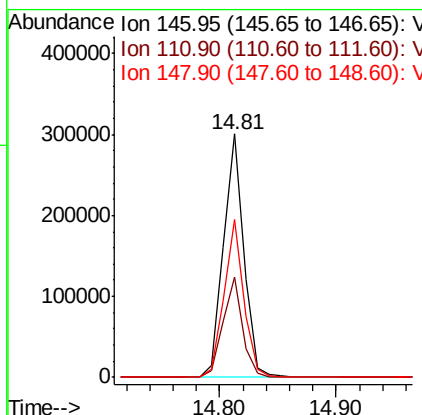
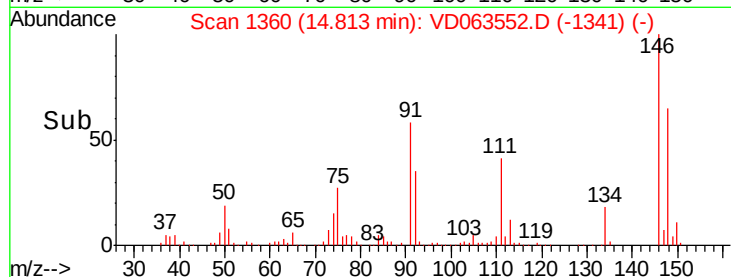
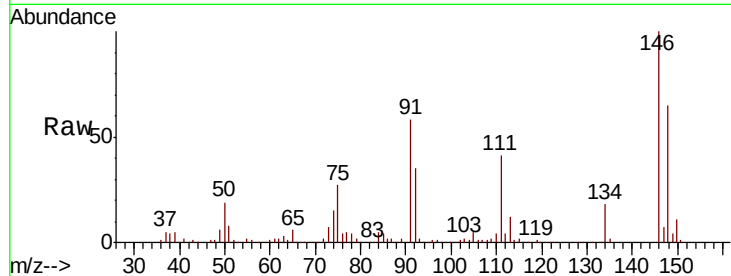




#91
 1,2-Dichlorobenzene
 Concen: 22.243 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. -0.01 min
 Lab File: VD063552.D
 Acq: 14 Aug 2019 3:56

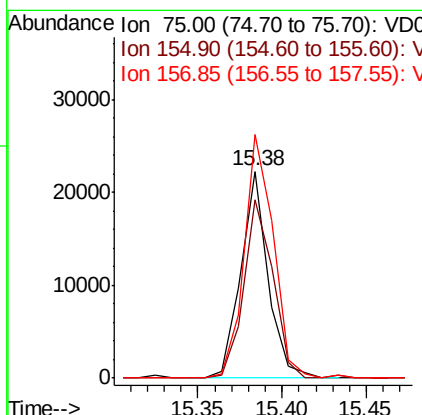
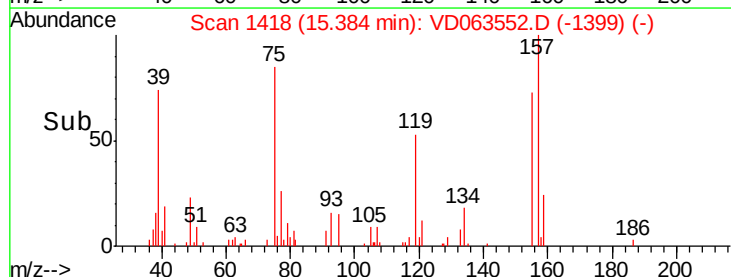
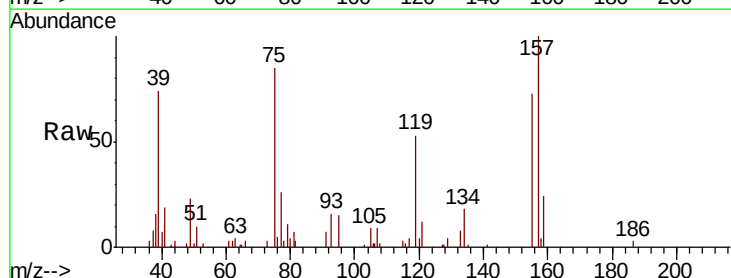
Instrument :
 MSVOA_D
 ClientSampleId :

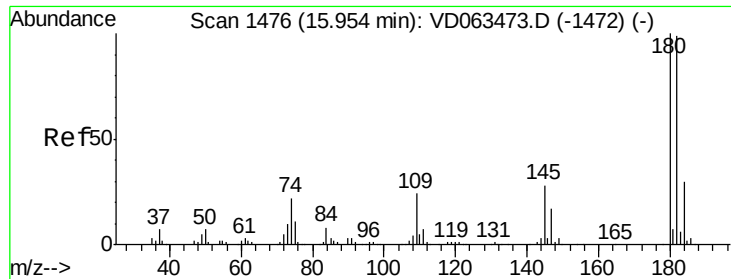
Tot Ion:146 Resp: 363065
 Ion Ratio Lower Upper
 146 100
 111 41.0 20.2 60.6
 148 65.0 32.1 96.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.487 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. -0.01 min
 Lab File: VD063552.D
 Acq: 14 Aug 2019 3:56

Tgt Ion: 75 Resp: 24918
 Ion Ratio Lower Upper
 75 100
 155 86.4 50.1 150.3
 157 117.9 65.0 195.1

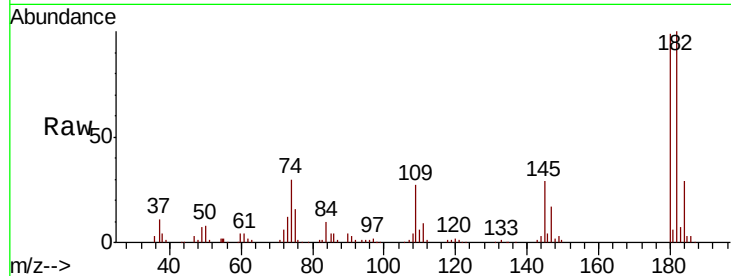




#93
 1,2,4-Trichlorobenzene
 Concen: 20.135 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. -0.01 min
 Lab File: VD063552.D
 Acq: 14 Aug 2019 3:56

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion	Ratio	Lower	Upper
180	100		
182	100.6	49.7	149.1
145	29.6	14.1	42.2

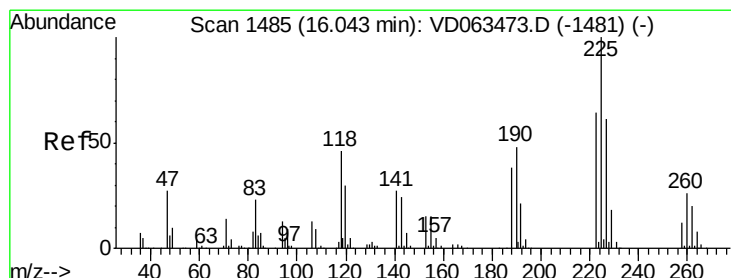
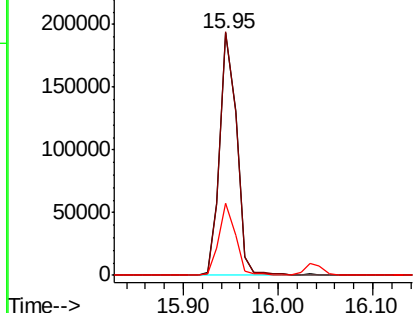
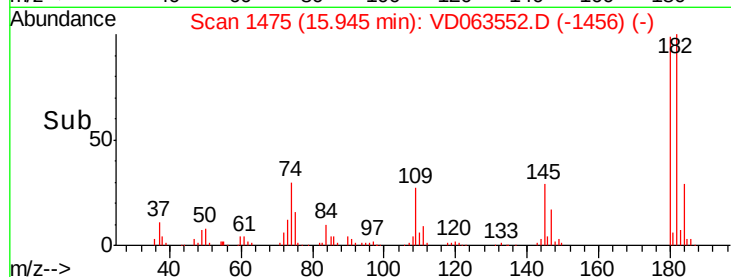


Abundance

Ion 179.85 (179.55 to 180.55): V

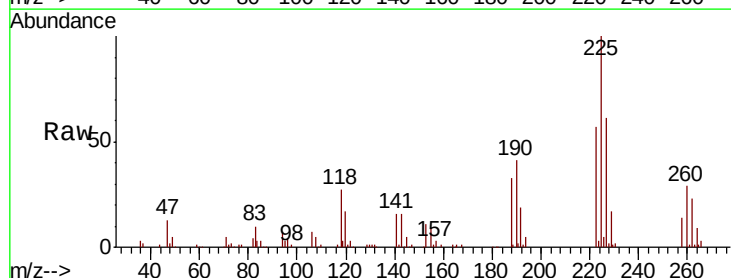
Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V



#94
 Hexachlorobutadiene
 Concen: 18.697 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VD063552.D
 Acq: 14 Aug 2019 3:56

Tgt Ion	Ratio	Lower	Upper
225	100		
223	57.0	31.9	95.5
227	61.0	30.7	92.1

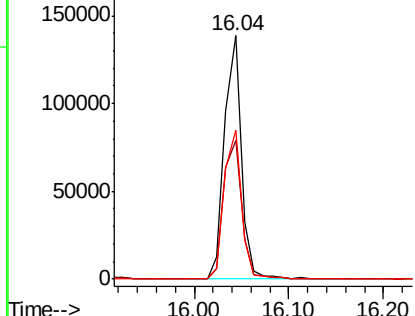
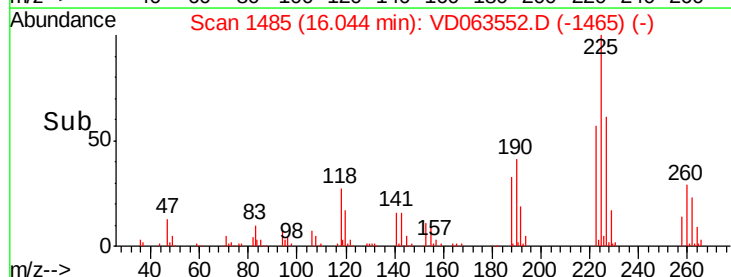


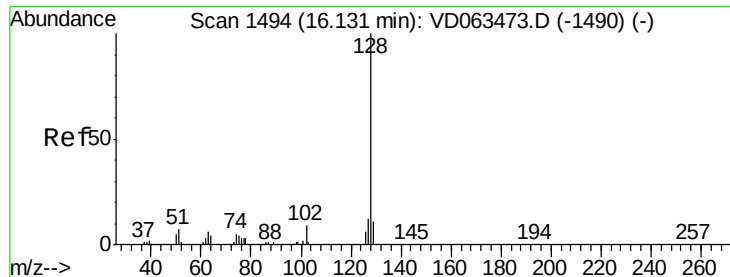
Abundance

Ion 224.75 (224.45 to 225.45): V

Ion 222.75 (222.45 to 223.45): V

Ion 226.75 (226.45 to 227.45): V

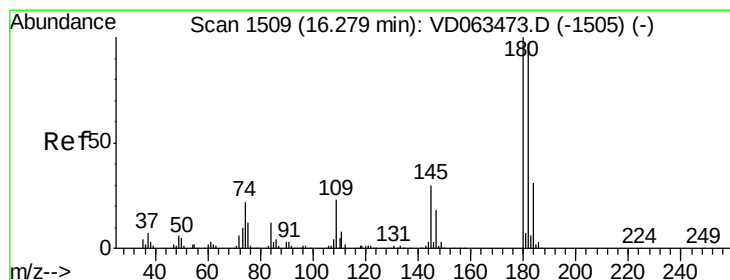
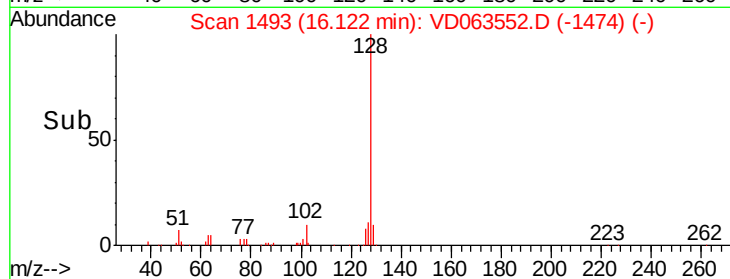
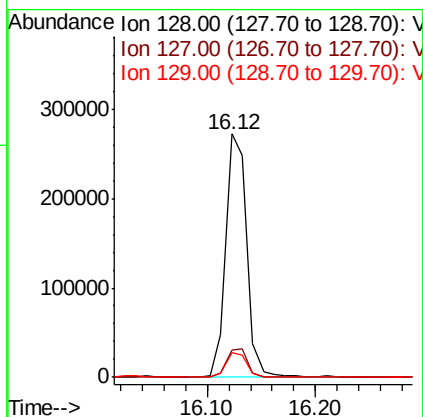
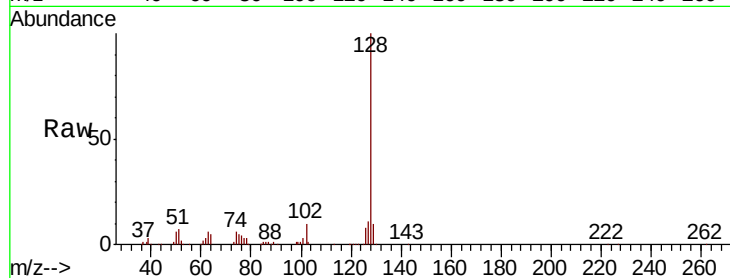




#95
Naphthalene
Concen: 20.267 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VD063552.D
Acq: 14 Aug 2019 3:56

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 368909
Ion Ratio Lower Upper
128 100
127 11.4 9.4 14.0
129 10.2 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 20.009 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.01 min
Lab File: VD063552.D
Acq: 14 Aug 2019 3:56

Tgt Ion:180 Resp: 194107
Ion Ratio Lower Upper
180 100
182 98.0 48.4 145.2
145 28.7 14.9 44.9

