

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073119\
 Data File : VD063279.D
 Acq On : 31 Jul 2019 15:21
 Operator : VA/AP
 Sample : K4107-02
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

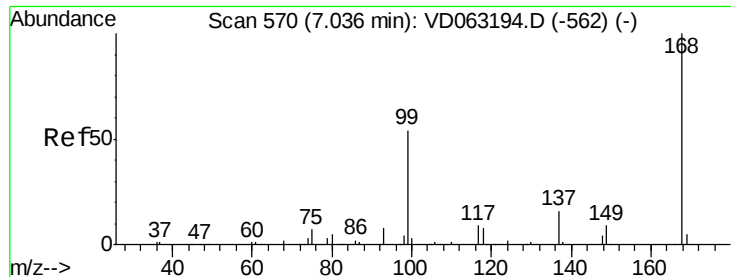
Quant Time: Aug 01 04:03:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	800785	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1043089	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	857386	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	362075	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	348688	39.24	ug/l	0.00
Spiked Amount			Recovery	=	78.48%	
35) Dibromofluoromethane	6.91	113	389435	43.73	ug/l	0.00
Spiked Amount			Recovery	=	87.46%	
50) Toluene-d8	10.41	98	798993	40.09	ug/l	0.00
Spiked Amount			Recovery	=	80.18%	
62) 4-Bromofluorobenzene	13.55	95	322262	35.48	ug/l	0.00
Spiked Amount			Recovery	=	70.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.99	59	4850	12.438	ug/l #	69
16) Acetone	3.21	43	12435	7.183	ug/l	99
20) Methylene Chloride	3.80	84	8907	1.273	ug/l #	94
25) 2-Butanone	6.07	43	3109	1.789	ug/l #	56
31) Cyclohexane	7.03	56	16471	2.081	ug/l #	1
36) 1,1-Dichloropropene	7.03	75	58641	6.160	ug/l #	52
37) Ethyl Acetate	6.16	43	4526	1.058	ug/l #	11
38) Carbon Tetrachloride	7.04	117	75885	5.295	ug/l #	16
67) Ethyl Benzene	12.52	91	50793	1.813	ug/l	95
68) m/p-Xylenes	12.52	106	13719	1.335	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	148264	122.773	ug/l #	3
86) p-Isopropyltoluene	14.48	119	113828	5.058	ug/l	92

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.00 min

Lab File: VD063279.D

Acq: 31 Jul 2019 15:21

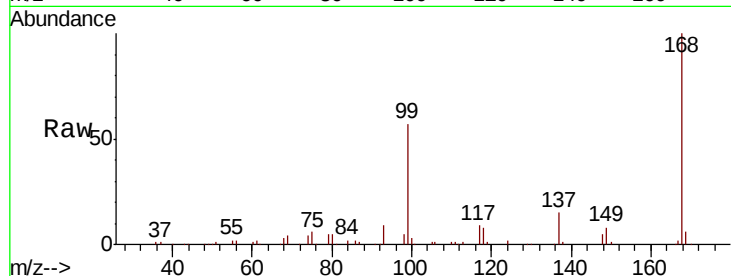
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 800785

Ion Ratio Lower Upper

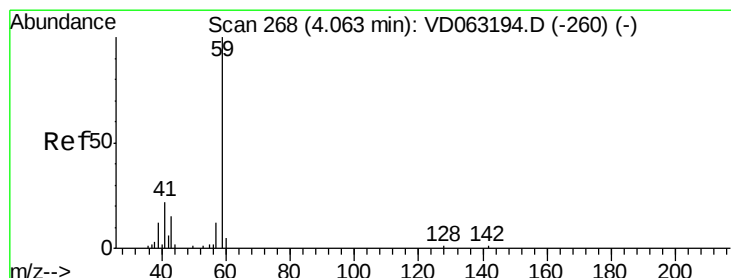
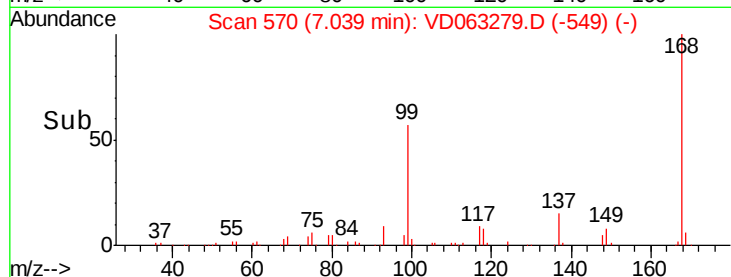
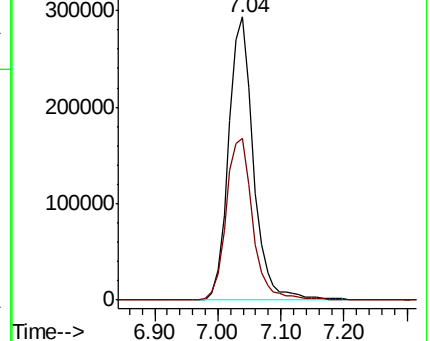
168 100

99 57.3 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 12.438 ug/l

RT: 3.99 min Scan# 260

Delta R.T. -0.08 min

Lab File: VD063279.D

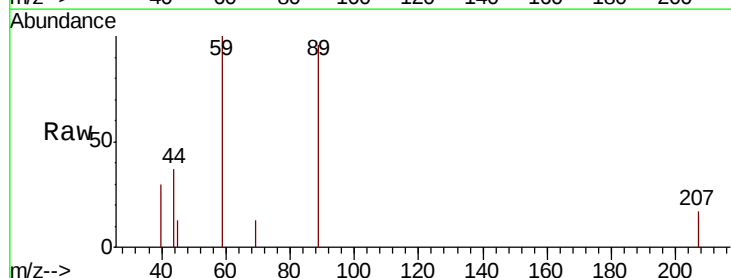
Acq: 31 Jul 2019 15:21

Tgt Ion: 59 Resp: 4850

Ion Ratio Lower Upper

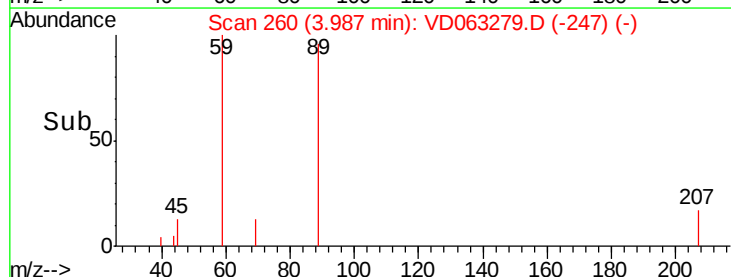
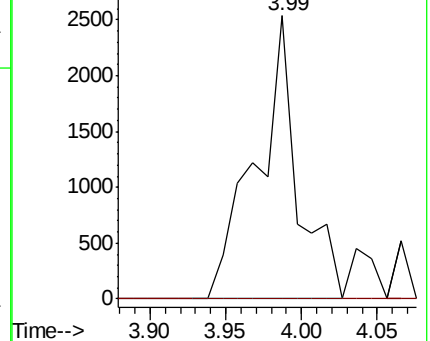
59 100

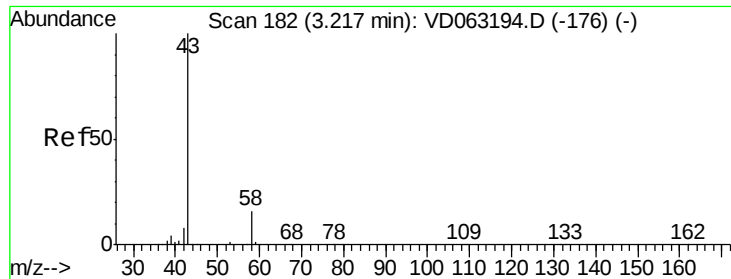
57 0.0 9.6 14.4#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

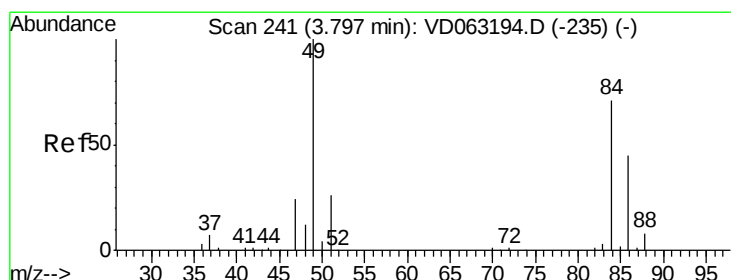
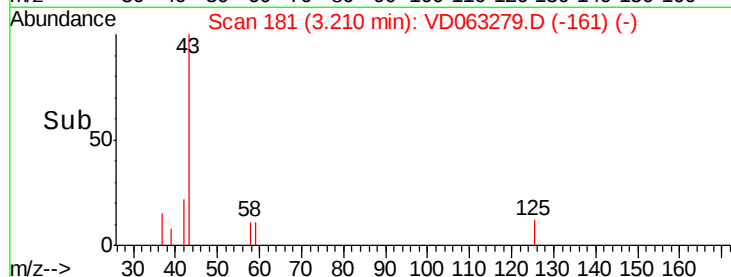
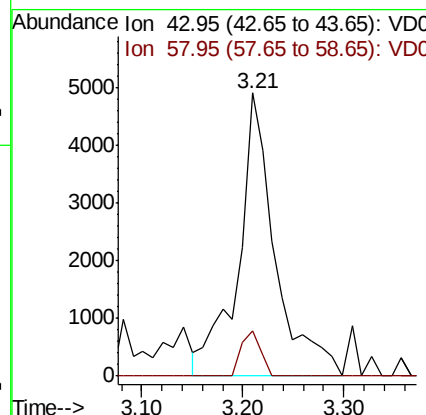
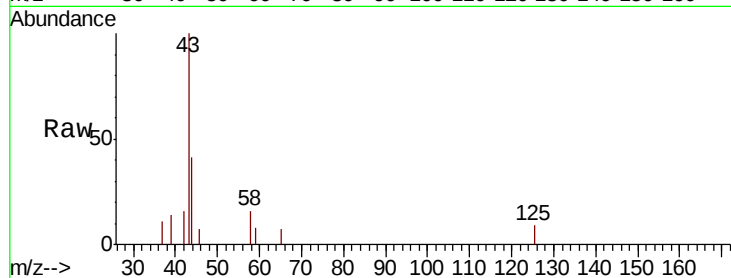




#16
Acetone
Concen: 7.183 ug/l
RT: 3.21 min Scan# 181
Delta R.T. -0.01 min
Lab File: VD063279.D
Acq: 31 Jul 2019 15:21

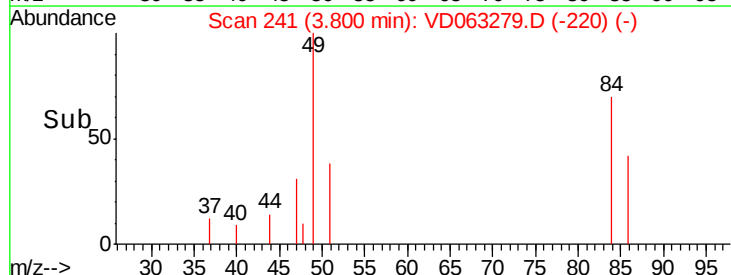
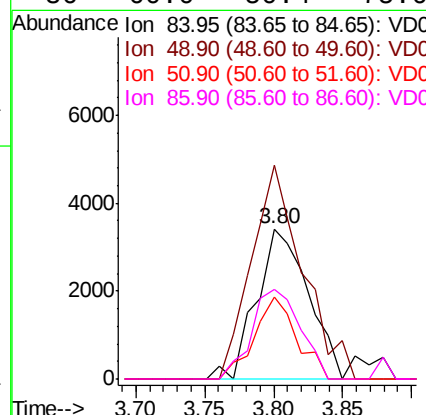
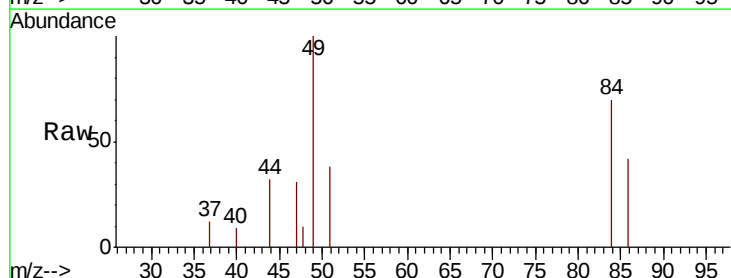
Instrument :
MSVOA_D
ClientSampleId :

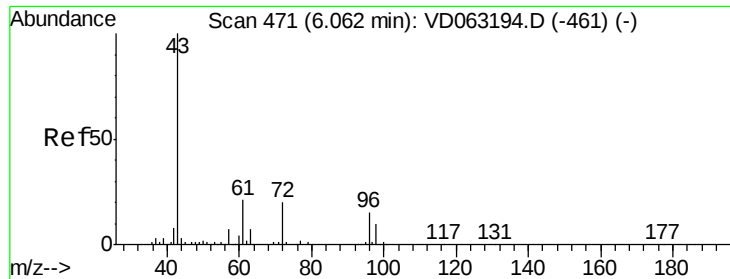
Tot Ion: 43 Resp: 12435
Ion Ratio Lower Upper
43 100
58 16.0 13.0 19.4



#20
Methylene Chloride
Concen: 1.273 ug/l
RT: 3.80 min Scan# 241
Delta R.T. 0.00 min
Lab File: VD063279.D
Acq: 31 Jul 2019 15:21

Tgt Ion: 84 Resp: 8907
Ion Ratio Lower Upper
84 100
49 142.2 112.5 168.7
51 54.6 29.6 44.4#
86 60.0 50.4 75.6

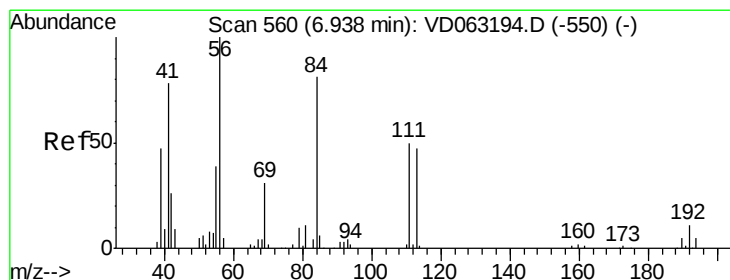
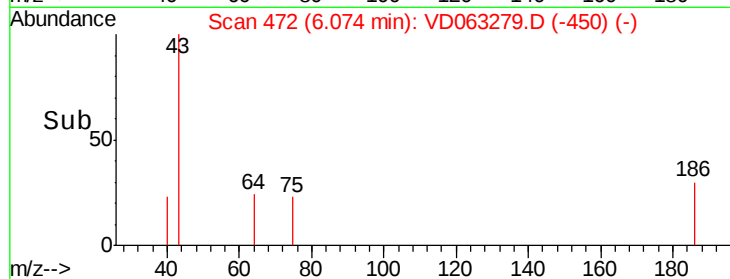
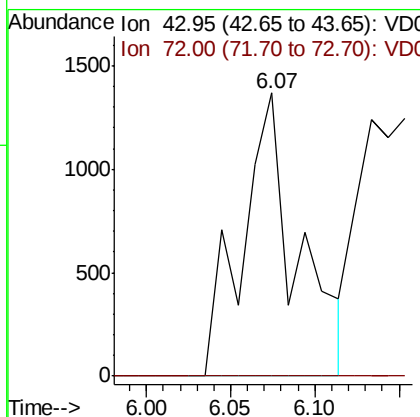
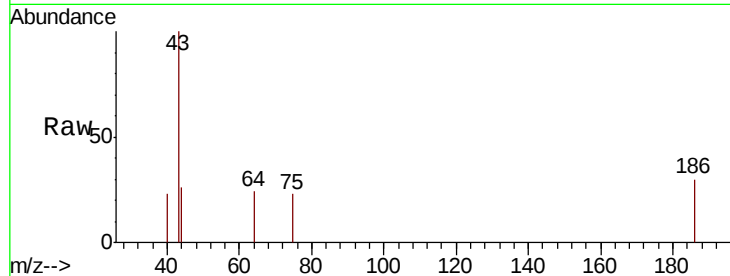




#25
2-Butanone
Concen: 1.789 ug/l
RT: 6.07 min Scan# 472
Delta R.T. 0.01 min
Lab File: VD063279.D
Acq: 31 Jul 2019 15:21

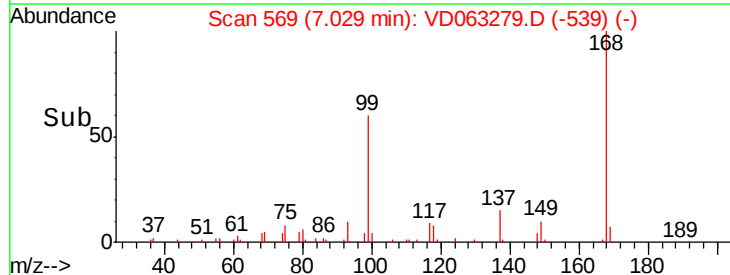
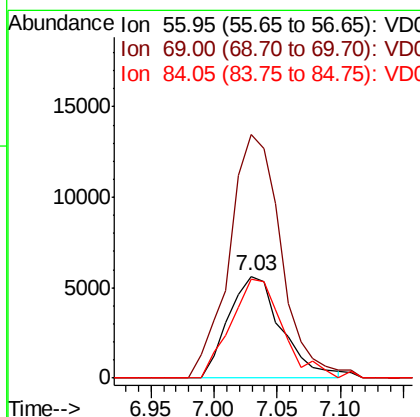
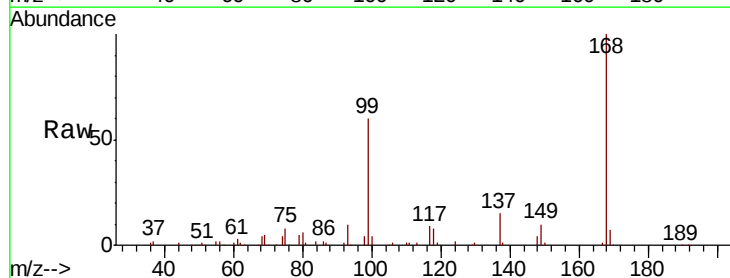
Instrument :
MSVOA_D
ClientSampleId :

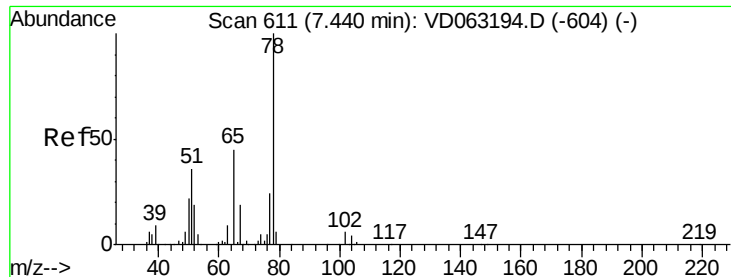
Tot Ion: 43 Resp: 3109
Ion Ratio Lower Upper
43 100
72 0.0 16.3 24.5#



#31
Cyclohexane
Concen: 2.081 ug/l
RT: 7.03 min Scan# 569
Delta R.T. 0.09 min
Lab File: VD063279.D
Acq: 31 Jul 2019 15:21

Tgt Ion: 56 Resp: 16471
Ion Ratio Lower Upper
56 100
69 238.8 24.5 36.7#
84 97.4 64.9 97.3#

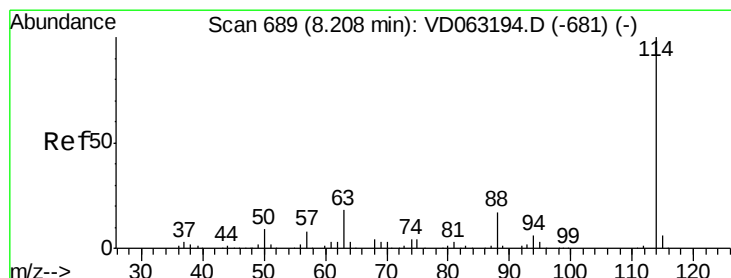
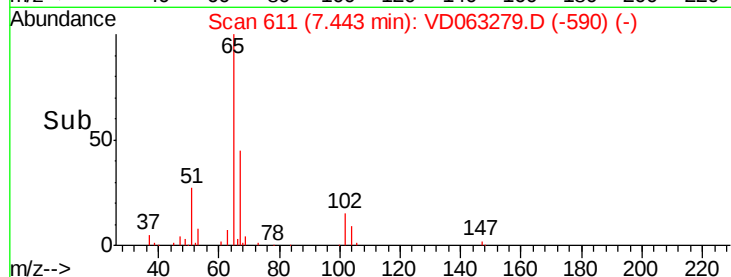
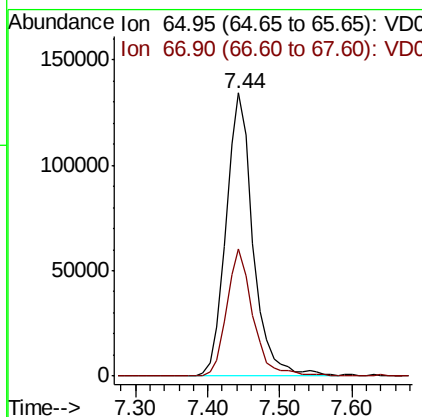
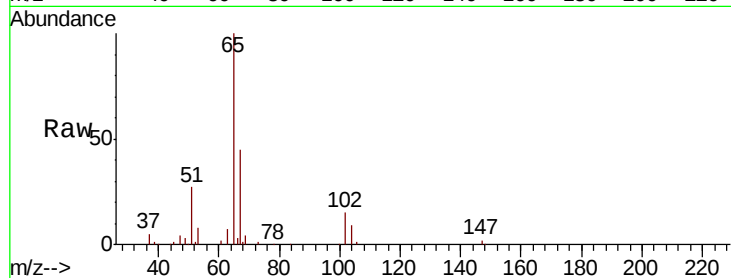




#33
 1,2-Dichloroethane-d4
 Concen: 39.242 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VD063279.D
 Acq: 31 Jul 2019 15:21

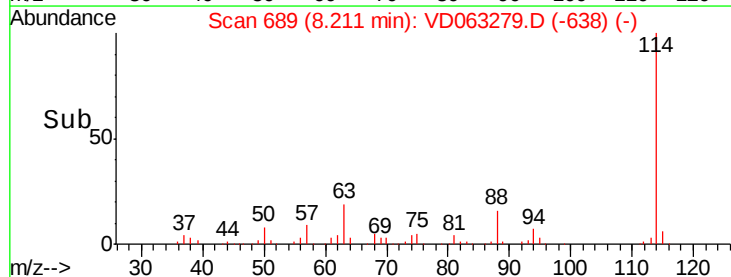
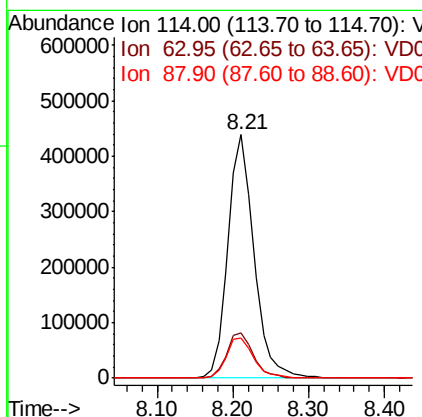
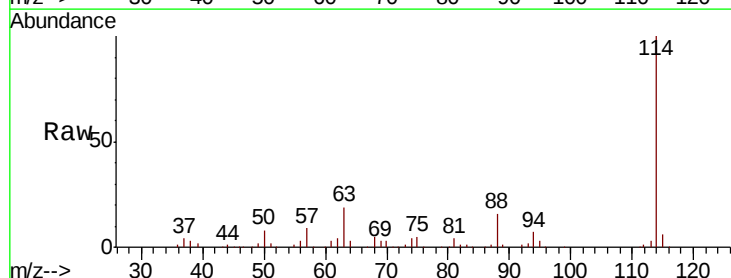
Instrument :
 MSVOA_D
 ClientSampleId :

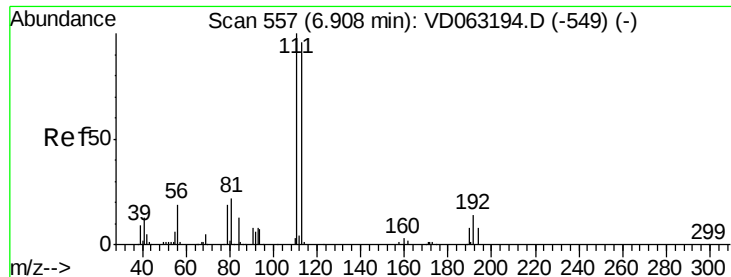
Tot Ion: 65 Resp: 348688
 Ion Ratio Lower Upper
 65 100
 67 45.0 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. 0.00 min
 Lab File: VD063279.D
 Acq: 31 Jul 2019 15:21

Tgt Ion: 114 Resp: 1043089
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 35.2
 88 16.5 0.0 34.6





#35

Dibromofluoromethane

Concen: 43.728 ug/l

RT: 6.91 min Scan# 557

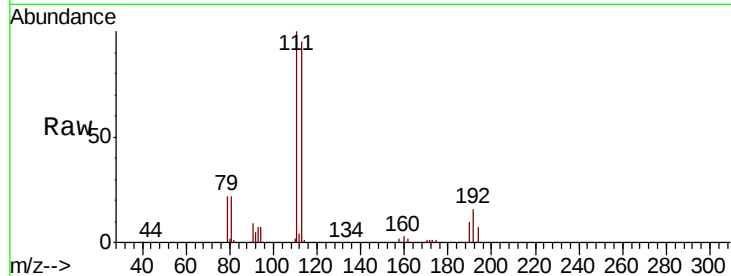
Delta R.T. 0.00 min

Lab File: VD063279.D

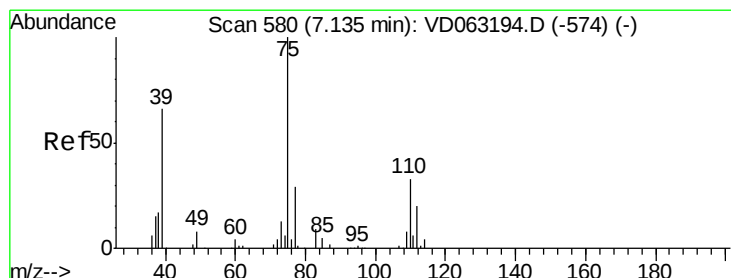
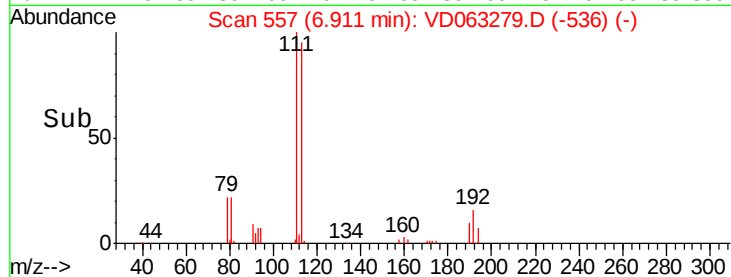
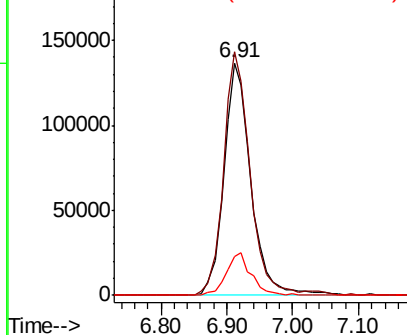
Acq: 31 Jul 2019 15:21

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	113	Resp:	389435
Ion	Ratio	Lower	Upper
113	100		
111	104.7	83.2	124.8
192	16.9	11.8	17.8



Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 6.160 ug/l

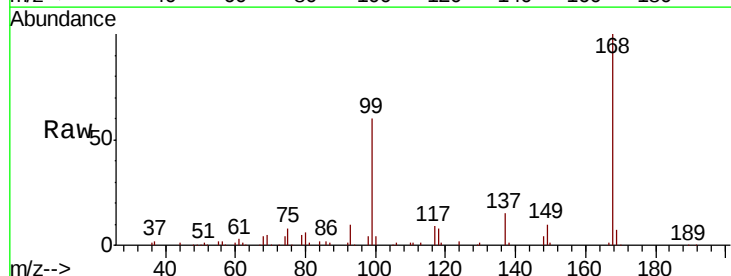
RT: 7.03 min Scan# 569

Delta R.T. -0.11 min

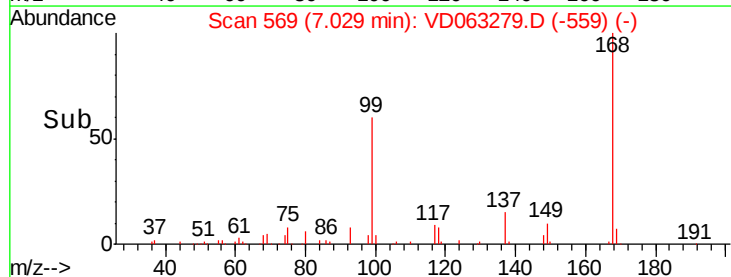
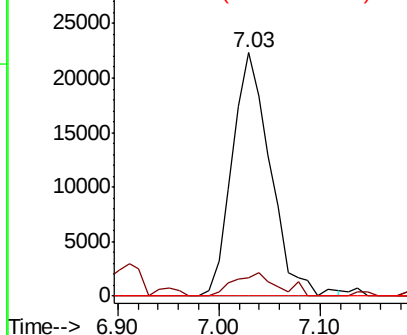
Lab File: VD063279.D

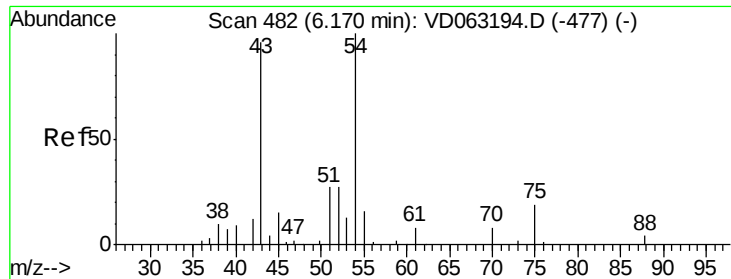
Acq: 31 Jul 2019 15:21

Tgt Ion:	75	Resp:	58641
Ion	Ratio	Lower	Upper
75	100		
110	7.6	16.1	48.2#
77	0.0	22.7	34.1#



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): VDC

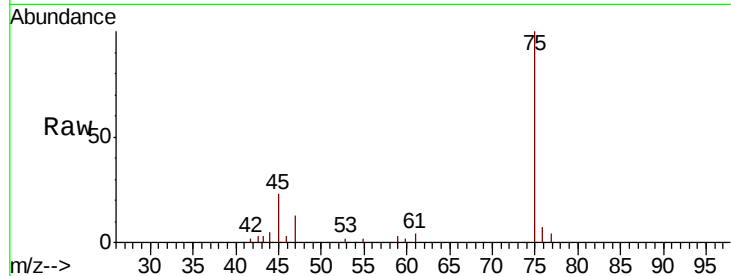




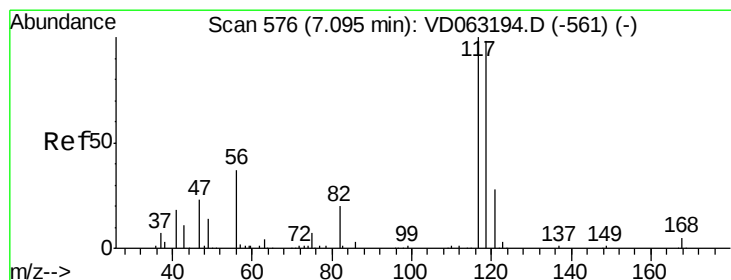
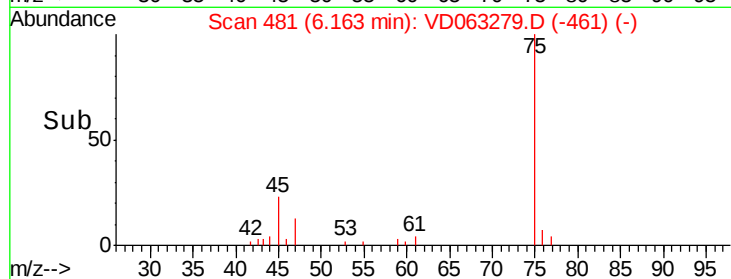
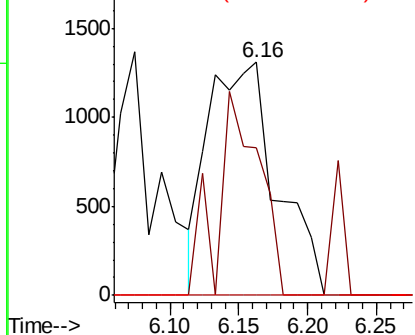
#37
Ethyl Acetate
Concen: 1.058 ug/l
RT: 6.16 min Scan# 481
Delta R.T. -0.01 min
Lab File: VD063279.D
Acq: 31 Jul 2019 15:21

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 4526
Ion Ratio Lower Upper
43 100
61 63.5 11.3 16.9#
70 0.0 5.1 7.7#

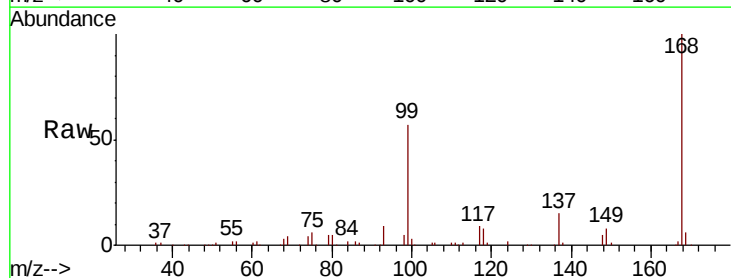


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

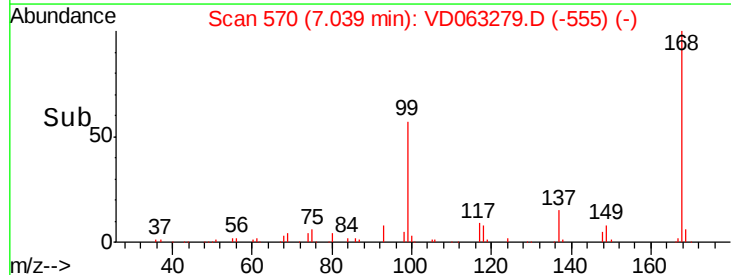
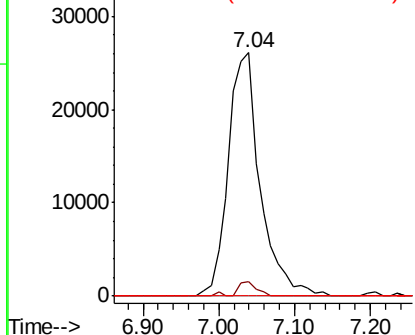


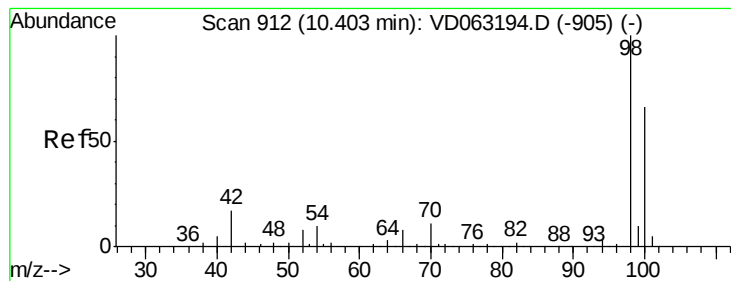
#38
Carbon Tetrachloride
Concen: 5.295 ug/l
RT: 7.04 min Scan# 570
Delta R.T. -0.06 min
Lab File: VD063279.D
Acq: 31 Jul 2019 15:21

Tgt Ion: 117 Resp: 75885
Ion Ratio Lower Upper
117 100
119 6.2 78.2 117.2#
121 0.0 22.1 33.1#



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





#50

Toluene-d8

Concen: 40.088 ug/l

RT: 10.41 min Scan# 912

Delta R.T. 0.00 min

Lab File: VD063279.D

Acq: 31 Jul 2019 15:21

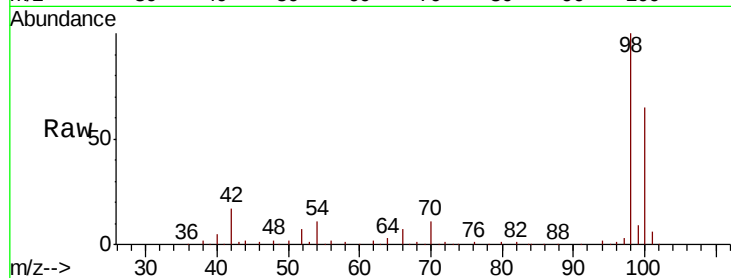
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 98 Resp: 798993

Ion Ratio Lower Upper

98 100

100 65.4 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): VD063194.D (-905) (-)

Ion 100.05 (99.75 to 100.75): VD063194.D (-905) (-)

10.41

400000

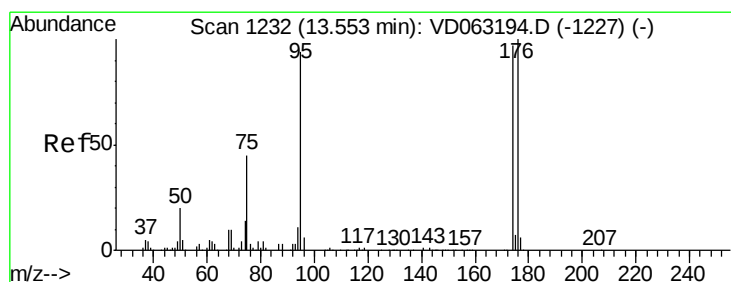
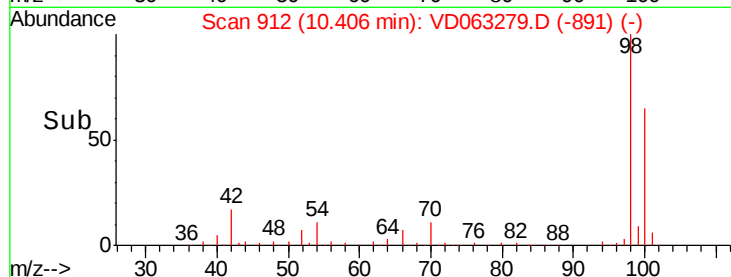
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 35.482 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD063279.D

Acq: 31 Jul 2019 15:21

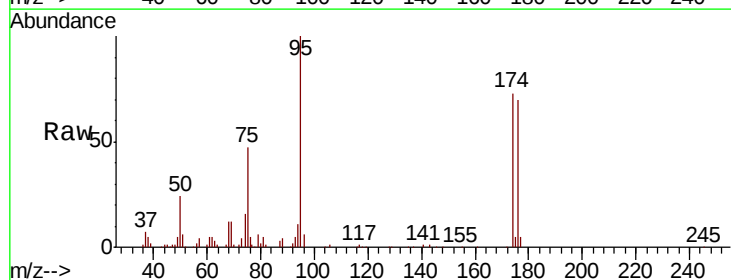
Tgt Ion: 95 Resp: 322262

Ion Ratio Lower Upper

95 100

174 73.5 0.0 205.4

176 70.3 0.0 211.8



Abundance Ion 95.00 (94.70 to 95.70): VD063194.D (-1227) (-)

Ion 173.90 (173.60 to 174.60): VD063194.D (-1227) (-)

Ion 175.90 (175.60 to 176.60): VD063194.D (-1227) (-)

13.55

300000

250000

200000

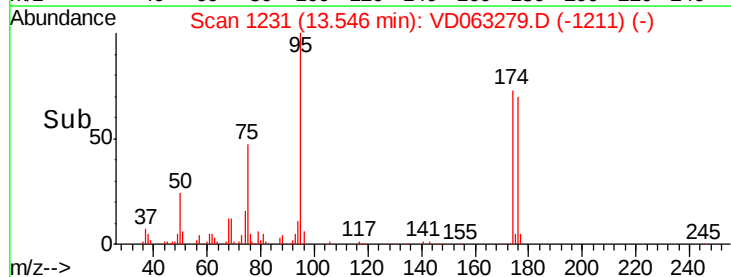
150000

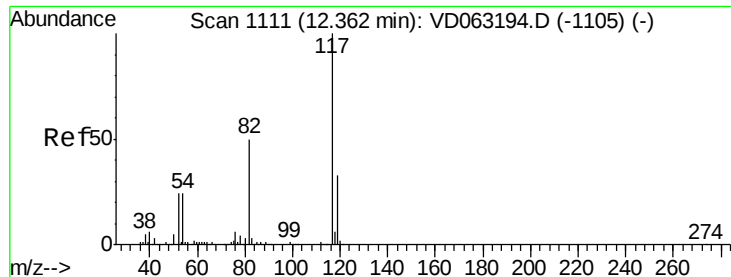
100000

50000

0

Time-->

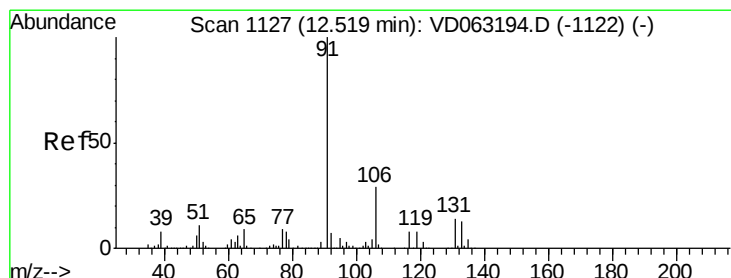
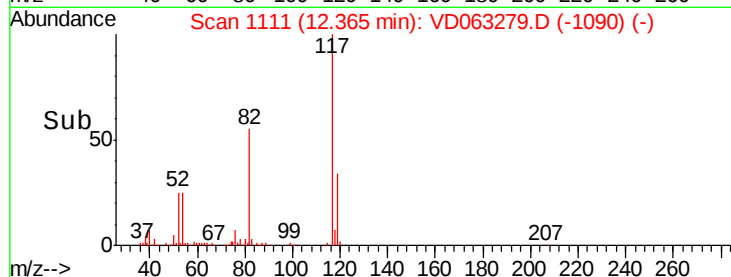
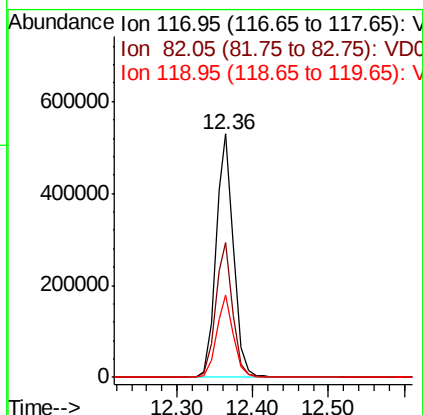
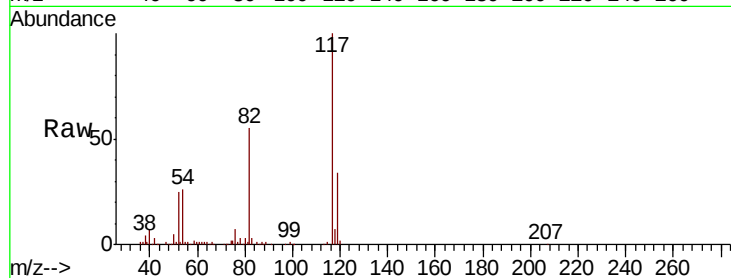




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD063279.D
Acq: 31 Jul 2019 15:21

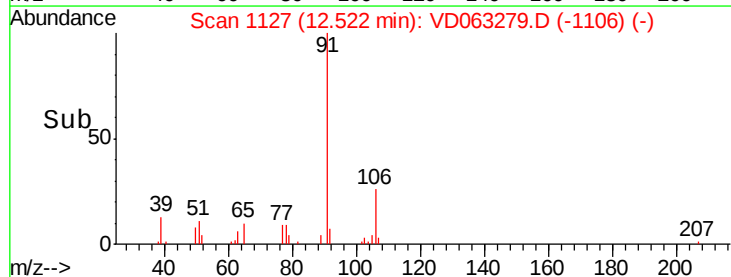
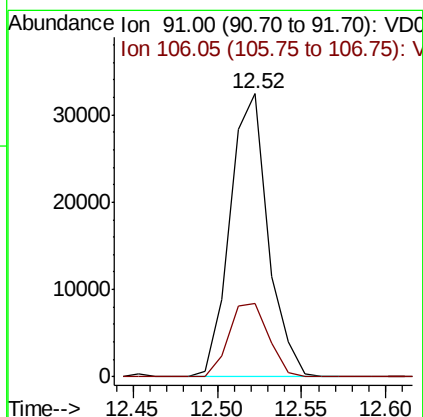
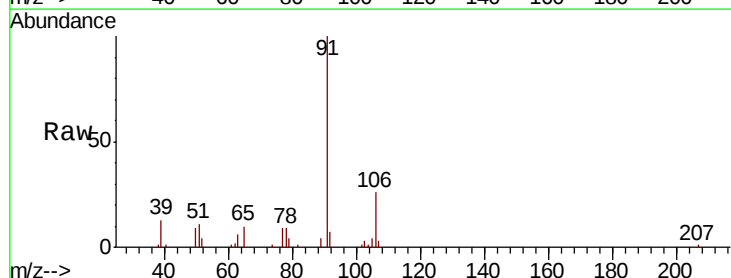
Instrument :
MSVOA_D
ClientSampleId :

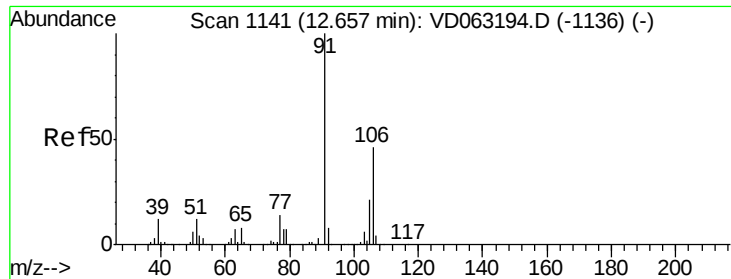
Tot Ion:117 Resp: 857386
Ion Ratio Lower Upper
117 100
82 55.2 40.1 60.1
119 33.8 26.5 39.7



#67
Ethyl Benzene
Concen: 1.813 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD063279.D
Acq: 31 Jul 2019 15:21

Tgt Ion: 91 Resp: 50793
Ion Ratio Lower Upper
91 100
106 25.9 22.9 34.3

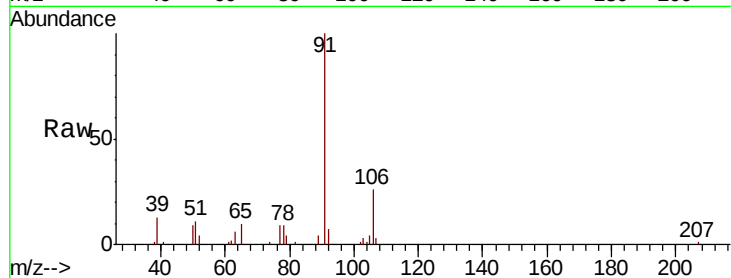




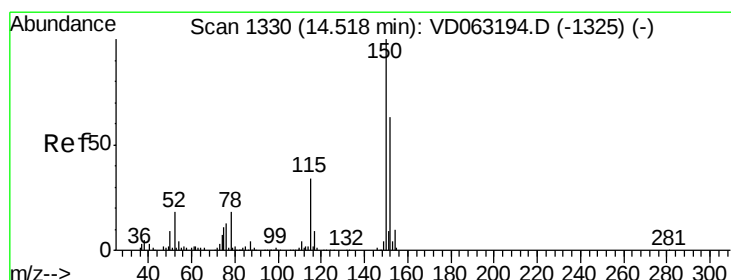
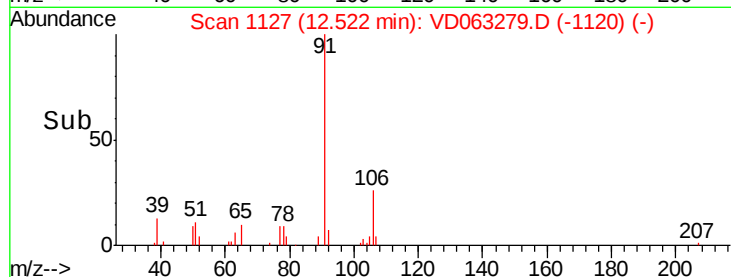
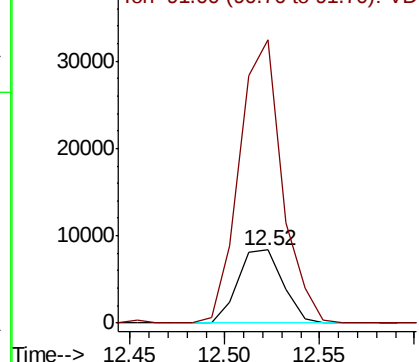
#68
m/p-Xvlenes
Concen: 1.335 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.13 min
Lab File: VD063279.D
Acq: 31 Jul 2019 15:21

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:106 Resp: 13719
Ion Ratio Lower Upper
106 100
91 386.3 172.6 259.0#

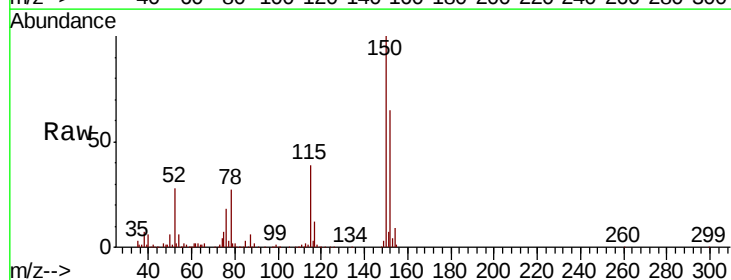


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

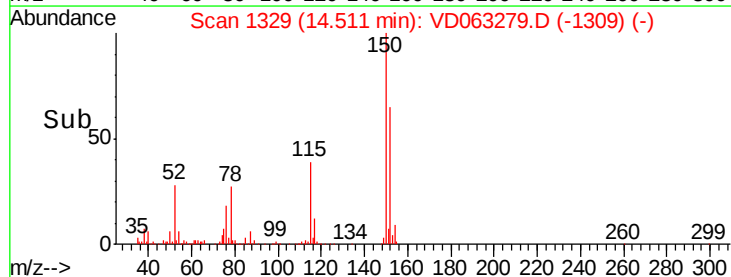
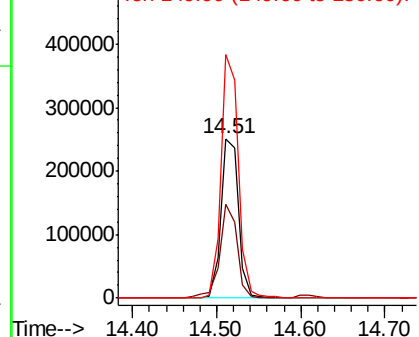


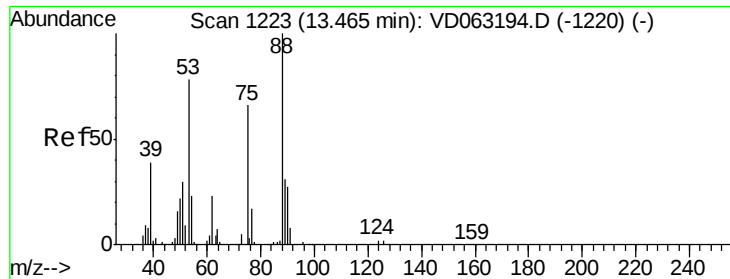
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD063279.D
Acq: 31 Jul 2019 15:21

Tgt Ion:152 Resp: 362075
Ion Ratio Lower Upper
152 100
115 59.1 27.5 82.4
150 152.8 0.0 320.6



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

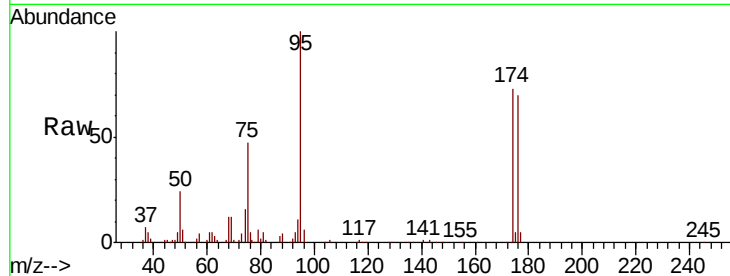




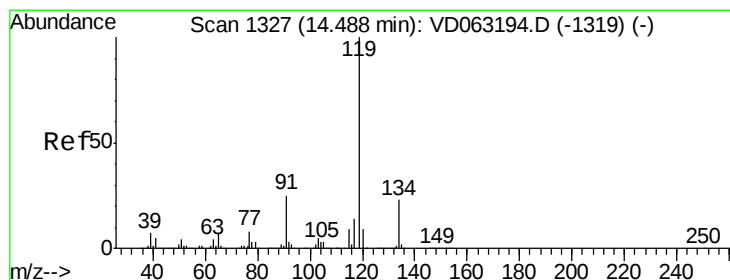
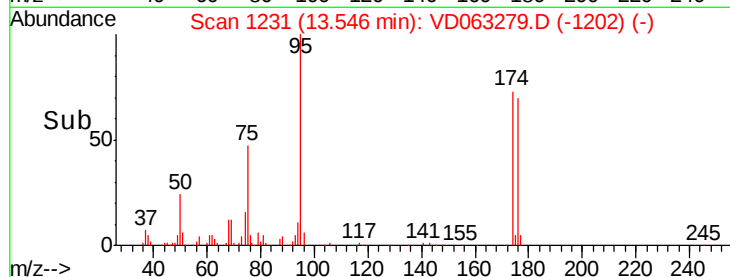
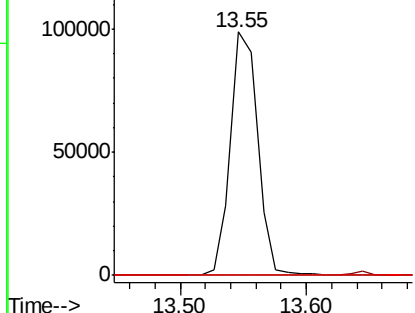
#81
trans-1,4-Dichloro-2-butene
Concen: 122.773 ug/l
RT: 13.55 min Scan# 1231
Delta R.T. 0.08 min
Lab File: VD063279.D
Acq: 31 Jul 2019 15:21

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 75 Resp: 148264
Ion Ratio Lower Upper
75 100
53 0.0 94.9 142.3#
89 0.0 37.4 56.0#

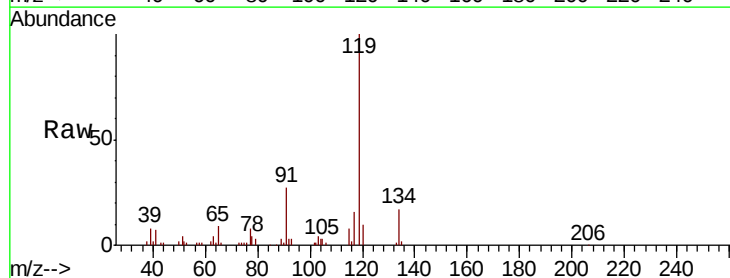


Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#86
p-Isopropyltoluene
Concen: 5.058 ug/l
RT: 14.48 min Scan# 1326
Delta R.T. -0.01 min
Lab File: VD063279.D
Acq: 31 Jul 2019 15:21

Tgt Ion: 119 Resp: 113828
Ion Ratio Lower Upper
119 100
134 16.7 11.5 34.5
91 26.6 12.6 37.6



Abundance Ion 119.05 (118.75 to 119.75): V
Ion 134.10 (133.80 to 134.80): V
Ion 91.00 (90.70 to 91.70): VDC

