

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121418\
 Data File : VD060588.D
 Acq On : 14 Dec 2018 22:12
 Operator : VA/AP
 Sample : J6397-01
 Misc : 4.79g/5ml/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

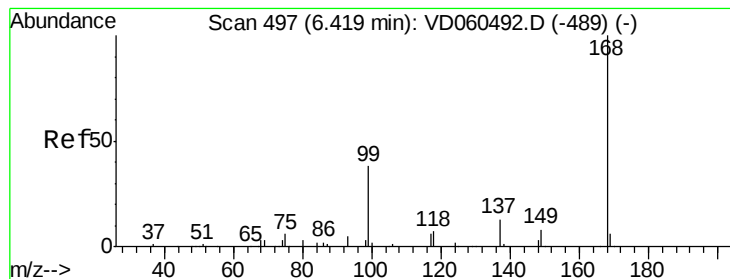
Quant Time: Dec 14 23:25:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 01:49:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	1320901	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.43	114	1937192	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.28	117	1578202	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.36	152	768632	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.77	65	400776	42.81	ug/l	-0.02
Spiked Amount			Recovery	=	85.62%	
35) Dibromofluoromethane	6.31	113	537051	37.74	ug/l	-0.02
Spiked Amount			Recovery	=	75.48%	
50) Toluene-d8	9.44	98	1403648	34.09	ug/l	-0.02
Spiked Amount			Recovery	=	68.18%	
62) 4-Bromofluorobenzene	12.42	95	533824	36.23	ug/l	-0.01
Spiked Amount			Recovery	=	72.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.60	85	998	Below Cal	#	41
16) Acetone	3.15	43	43460	28.959	ug/l	98
20) Methylene Chloride	3.72	84	53432	Below Cal		96
31) Cyclohexane	6.39	56	25044	Below Cal	#	1
36) 1,1-Dichloropropene	6.39	75	93335	4.929	ug/l	# 47
38) Carbon Tetrachloride	6.39	117	103211	6.071	ug/l	# 16
40) Benzene	6.78	78	49786	1.029	ug/l	91
51) 4-Methyl-2-Pentanone	9.44	43	8009	1.270	ug/l	# 1
52) Toluene	9.53	92	336238	11.116	ug/l	98
68) m/p-Xylenes	11.55	106	46564	2.210	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.42	75	223977	92.210	ug/l	# 14
89) n-Butylbenzene	13.64	91	798	Below Cal	#	82

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.39 min Scan# 495

Delta R.T. -0.02 min

Lab File: VD060588.D

Acq: 14 Dec 2018 22:12

Instrument :

MSVOA_D

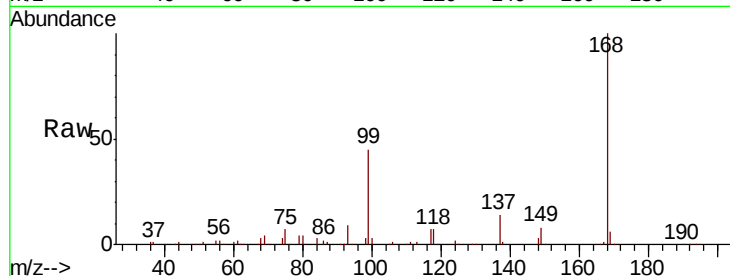
ClientSampleId :

Tot Ion:168 Resp: 1320901

Ion Ratio Lower Upper

168 100

99 44.9 35.6 53.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.39

500000

400000

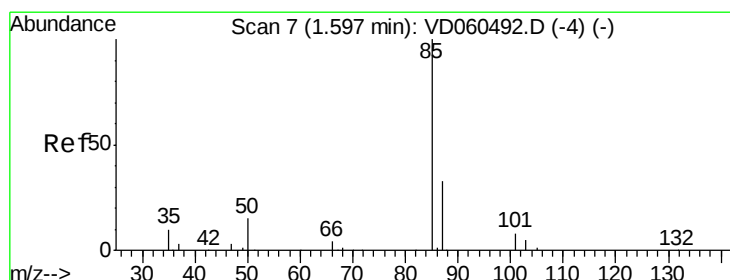
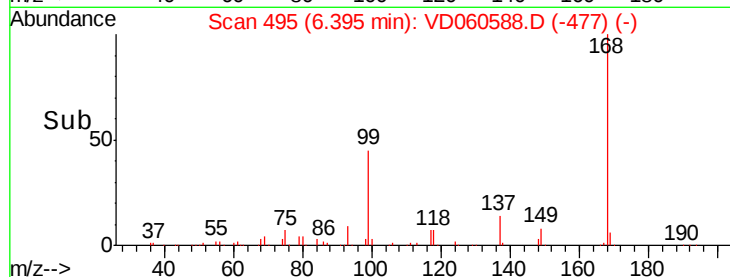
300000

200000

100000

0

Time--> 6.20 6.30 6.40 6.50 6.60



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.60 min Scan# 8

Delta R.T. 0.01 min

Lab File: VD060588.D

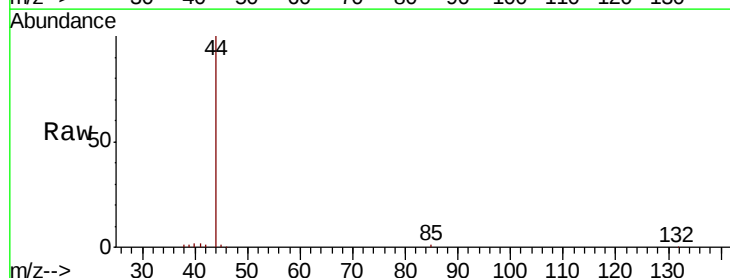
Acq: 14 Dec 2018 22:12

Tgt Ion: 85 Resp: 998

Ion Ratio Lower Upper

85 100

87 0.0 16.7 50.0#



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.60

800

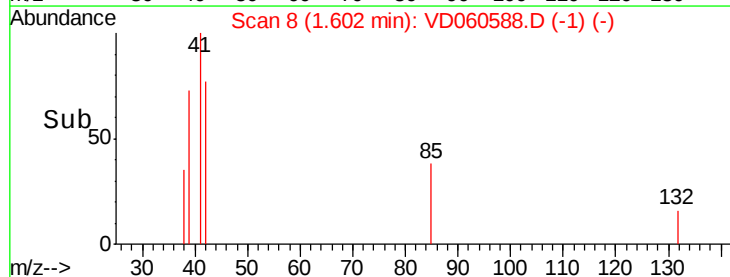
600

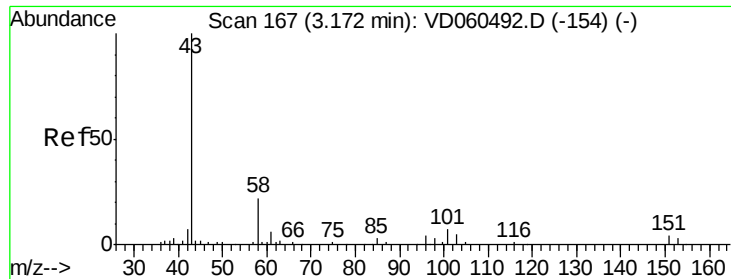
400

200

0

Time--> 1.55 1.60

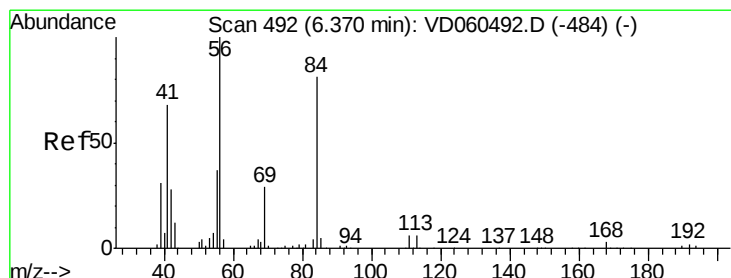
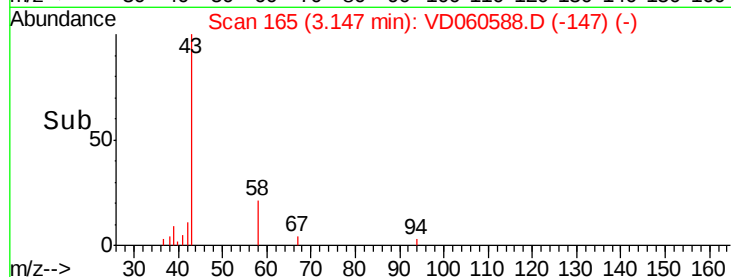
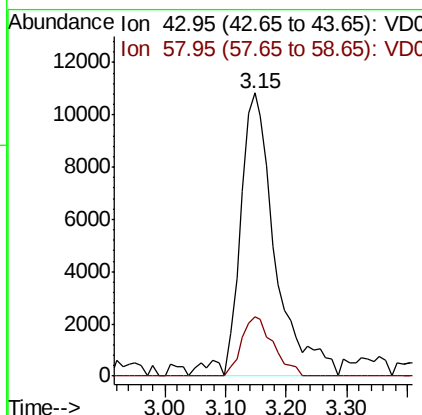
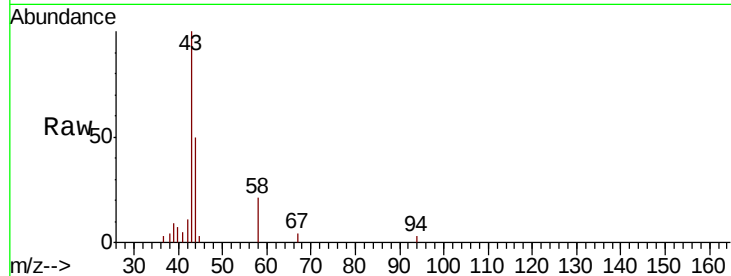




#16
Acetone
Concen: 28.959 ug/l
RT: 3.15 min Scan# 165
Delta R.T. -0.02 min
Lab File: VD060588.D
Acq: 14 Dec 2018 22:12

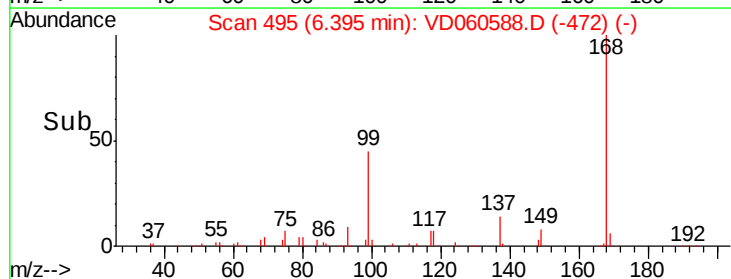
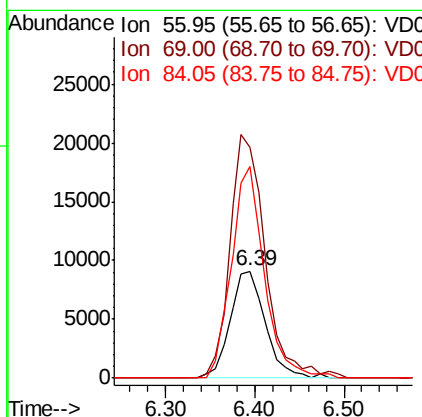
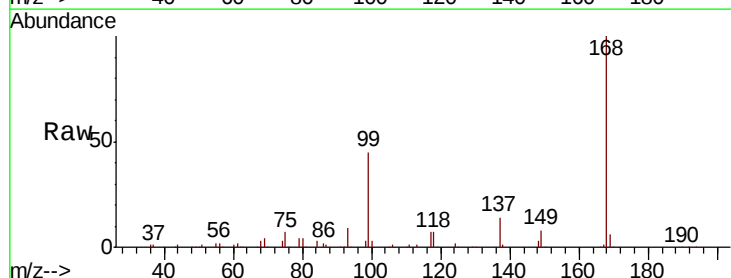
Instrument :
MSVOA_D
ClientSampleId :

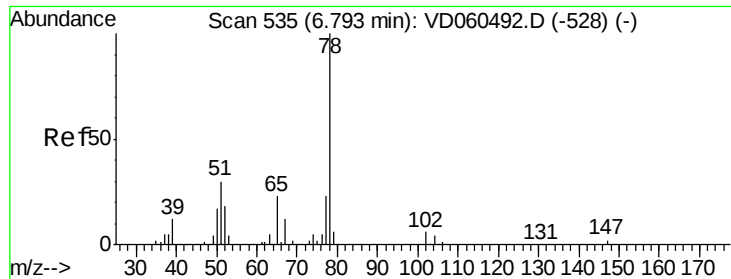
Tot Ion: 43 Resp: 43460
Ion Ratio Lower Upper
43 100
58 20.8 17.3 25.9



#31
Cyclohexane
Concen: Below Cal
RT: 6.39 min Scan# 495
Delta R.T. 0.02 min
Lab File: VD060588.D
Acq: 14 Dec 2018 22:12

Tgt Ion: 56 Resp: 25044
Ion Ratio Lower Upper
56 100
69 216.3 22.8 34.2#
84 197.9 65.1 97.7#

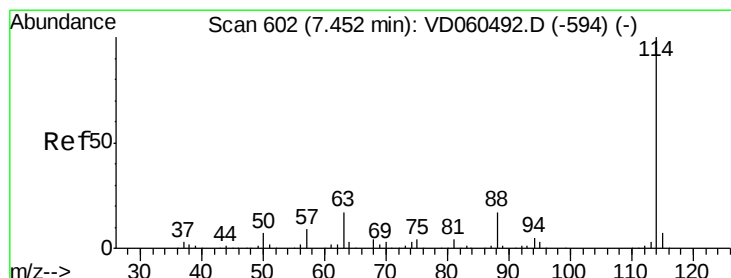
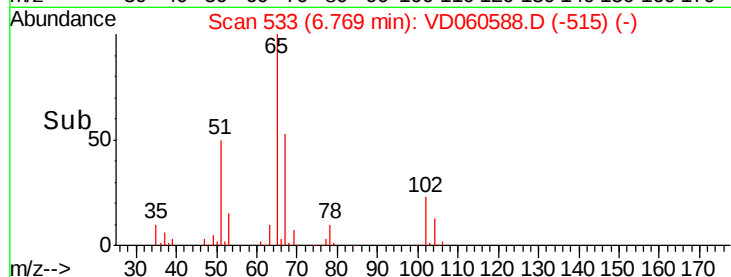
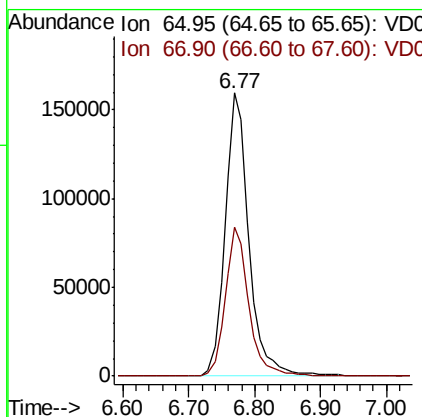
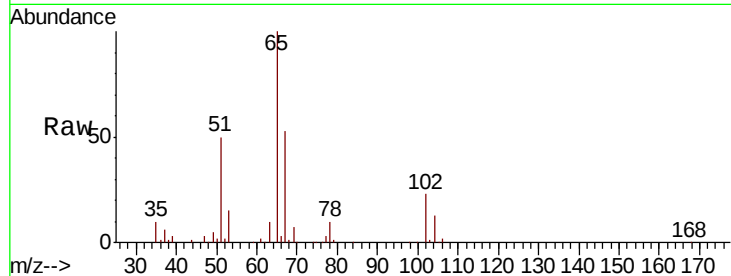




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.77 min Scan# 533
 Delta R.T. -0.02 min
 Lab File: VD060588.D
 Acq: 14 Dec 2018 22:12

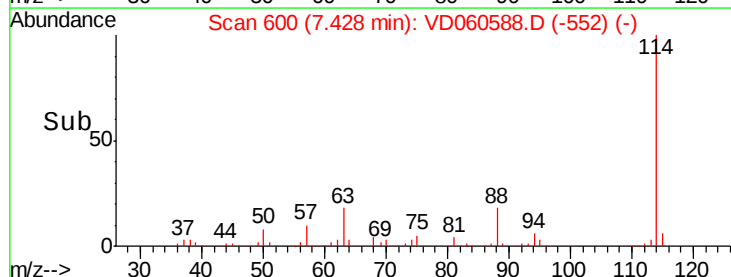
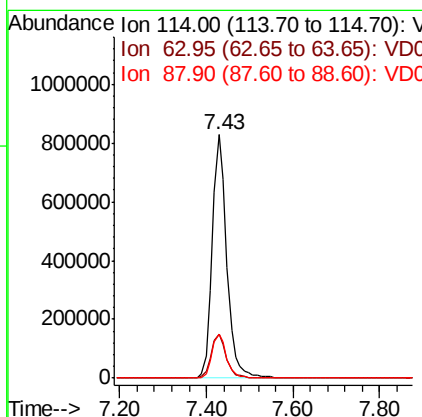
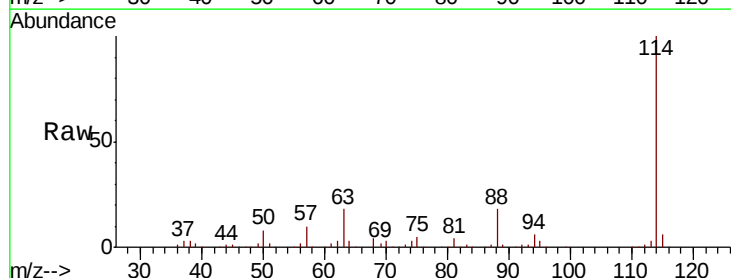
Instrument :
 MSVOA_D
 ClientSampleId :

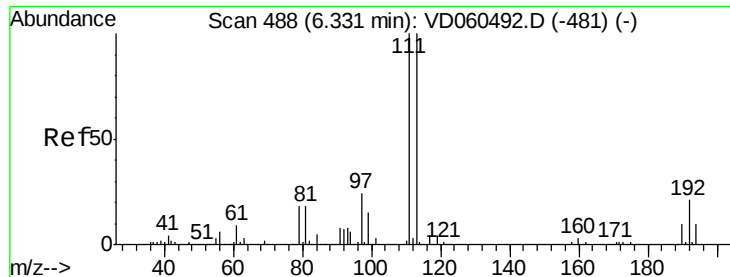
Tot Ion: 65 Resp: 400776
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.43 min Scan# 600
 Delta R.T. -0.02 min
 Lab File: VD060588.D
 Acq: 14 Dec 2018 22:12

Tgt Ion: 114 Resp: 1937192
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 34.2
 88 18.2 0.0 35.0

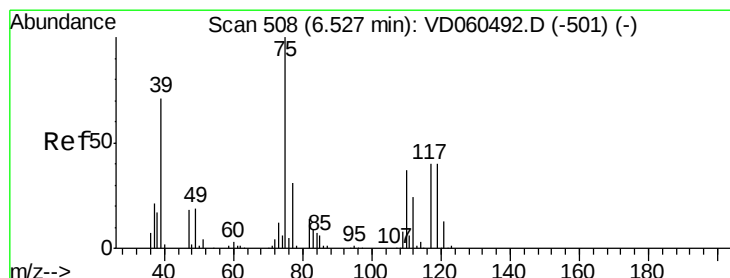
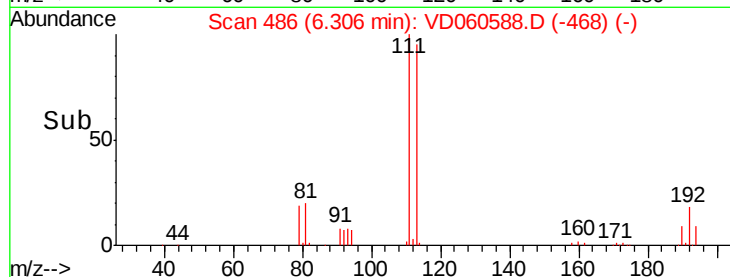
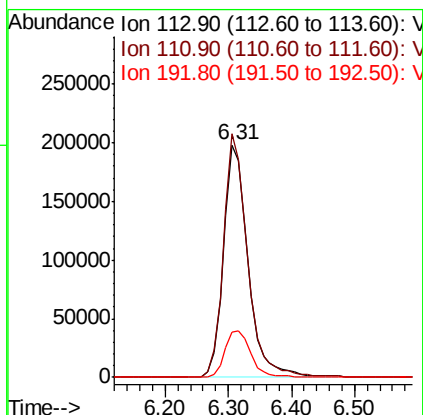
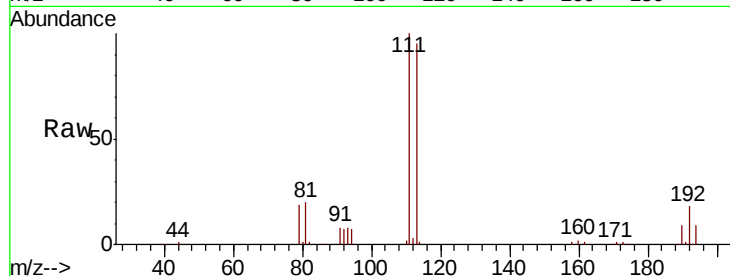




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.31 min Scan# 486
 Delta R.T. -0.02 min
 Lab File: VD060588.D
 Acq: 14 Dec 2018 22:12

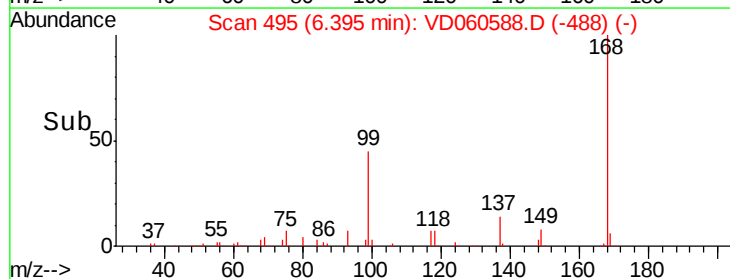
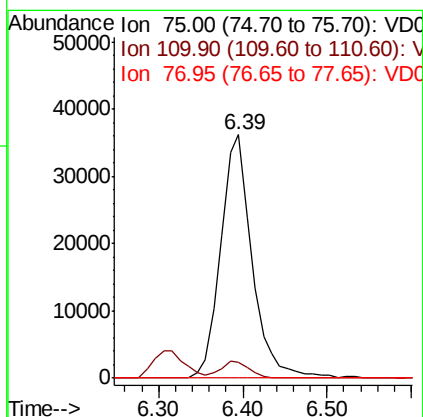
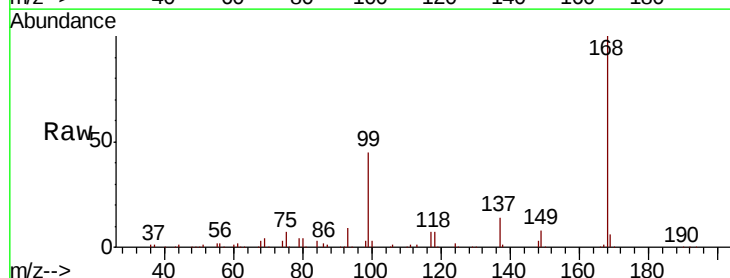
Instrument :
 MSVOA_D
 ClientSampled :

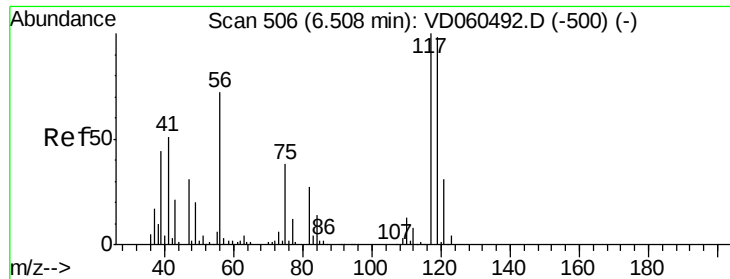
Tot Ion:113 Resp: 537051
 Ion Ratio Lower Upper
 113 100
 111 104.8 80.2 120.4
 192 19.2 16.6 24.8



#36
 1,1-Dichloropropene
 Concen: 4.929 ug/l
 RT: 6.39 min Scan# 495
 Delta R.T. -0.13 min
 Lab File: VD060588.D
 Acq: 14 Dec 2018 22:12

Tgt Ion: 75 Resp: 93335
 Ion Ratio Lower Upper
 75 100
 110 6.6 18.3 54.8#
 77 0.0 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 6.071 ug/l

RT: 6.39 min Scan# 495

Delta R.T. -0.11 min

Lab File: VD060588.D

Acq: 14 Dec 2018 22:12

Instrument :

MSVOA_D

ClientSampleId :

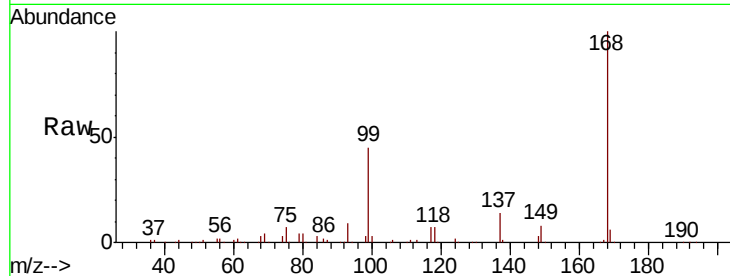
Tot Ion:117 Resp: 103211

Ion Ratio Lower Upper

117 100

119 4.8 76.8 115.2#

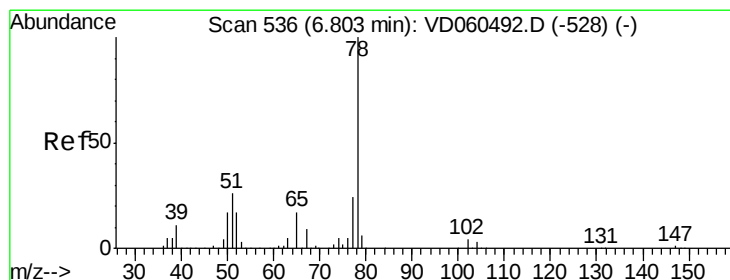
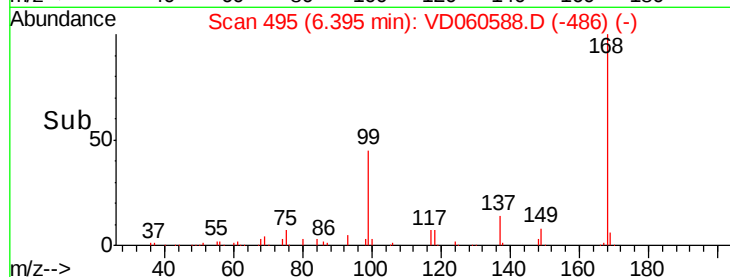
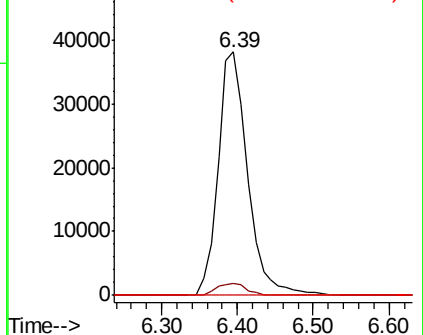
121 0.0 24.4 36.6#



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



#40

Benzene

Concen: 1.029 ug/l

RT: 6.78 min Scan# 534

Delta R.T. -0.02 min

Lab File: VD060588.D

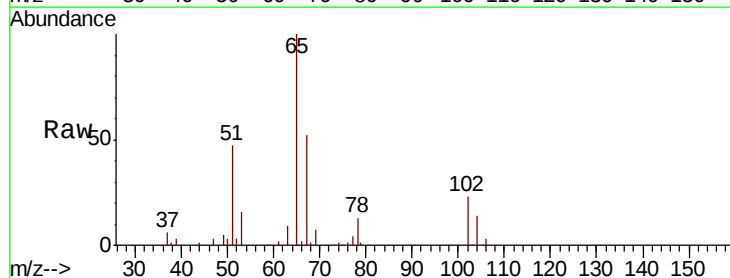
Acq: 14 Dec 2018 22:12

Tgt Ion: 78 Resp: 49786

Ion Ratio Lower Upper

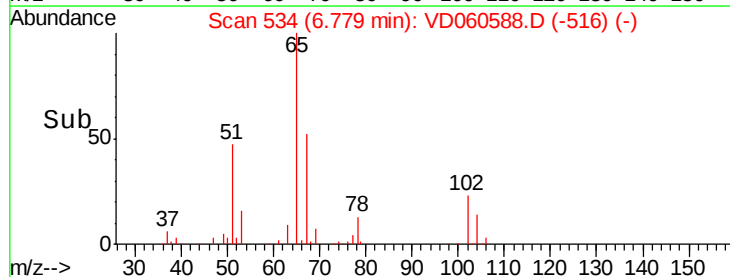
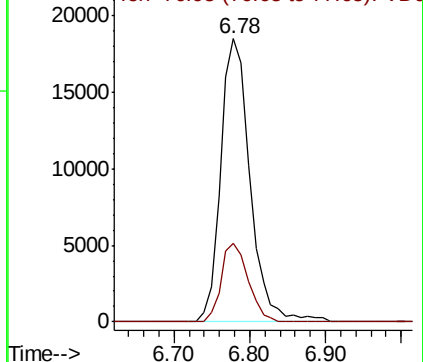
78 100

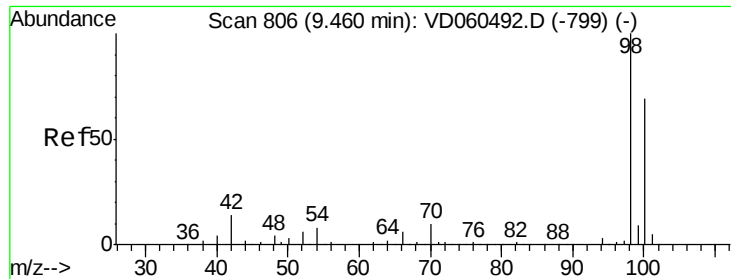
77 28.0 18.9 28.3



Abundance Ion 77.95 (77.65 to 78.65): V

Ion 76.95 (76.65 to 77.65): V

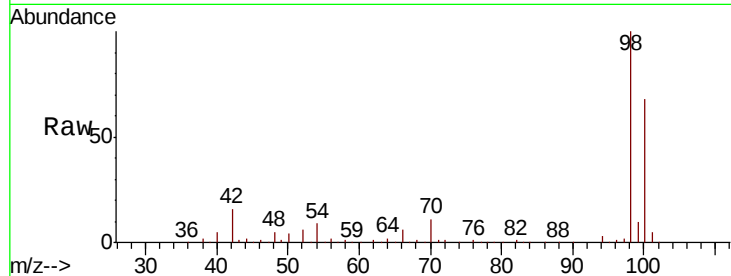




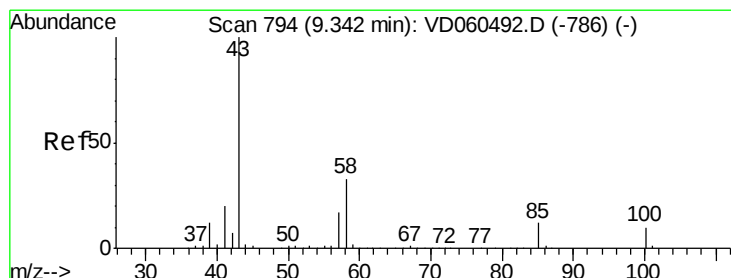
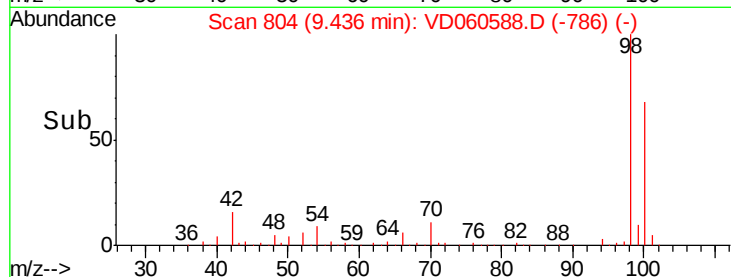
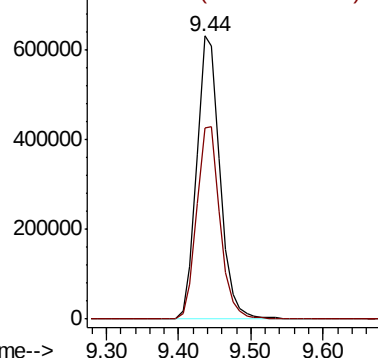
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.44 min Scan# 804
Delta R.T. -0.02 min
Lab File: VD060588.D
Acq: 14 Dec 2018 22:12

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 1403648
Ion Ratio Lower Upper
98 100
100 67.7 55.7 83.5

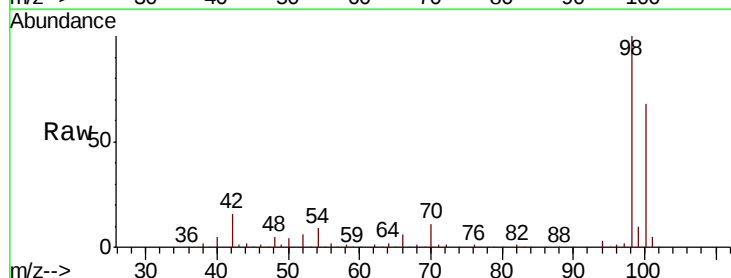


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

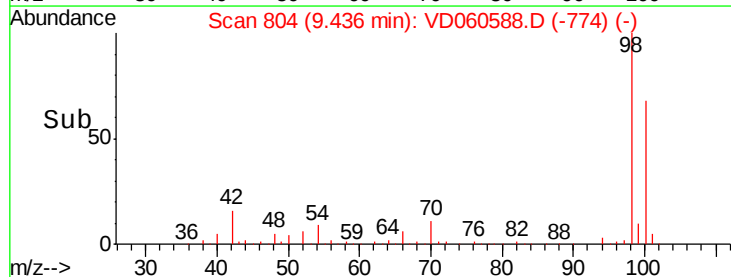
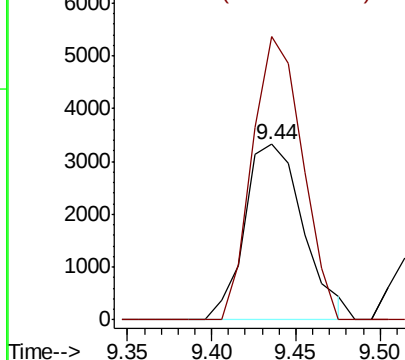


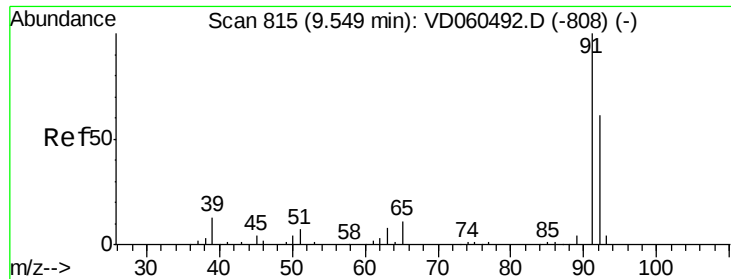
#51
4-Methyl-2-Pentanone
Concen: 1.270 ug/l
RT: 9.44 min Scan# 804
Delta R.T. 0.09 min
Lab File: VD060588.D
Acq: 14 Dec 2018 22:12

Tgt Ion: 43 Resp: 8009
Ion Ratio Lower Upper
43 100
58 161.3 26.3 39.5#



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





#52

Toluene

Concen: 11.116 ug/l

RT: 9.53 min Scan# 814

Delta R.T. -0.01 min

Lab File: VD060588.D

Acq: 14 Dec 2018 22:12

Instrument :

MSVOA_D

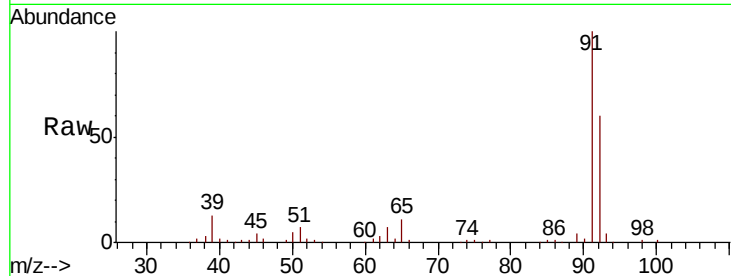
ClientSampleId :

Tot Ion: 92 Resp: 336238

Ion Ratio Lower Upper

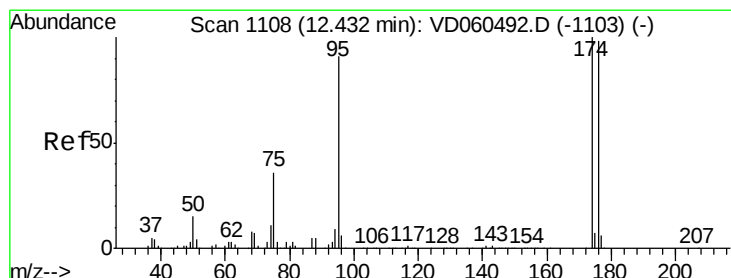
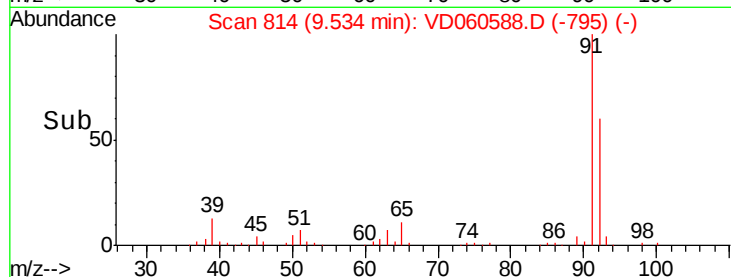
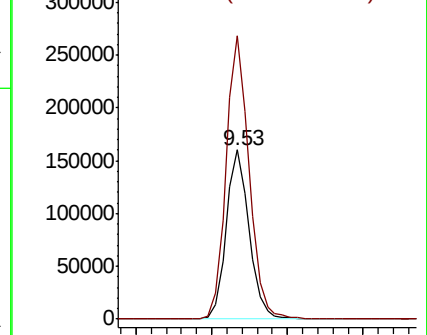
92 100

91 167.7 131.7 197.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.42 min Scan# 1107

Delta R.T. -0.01 min

Lab File: VD060588.D

Acq: 14 Dec 2018 22:12

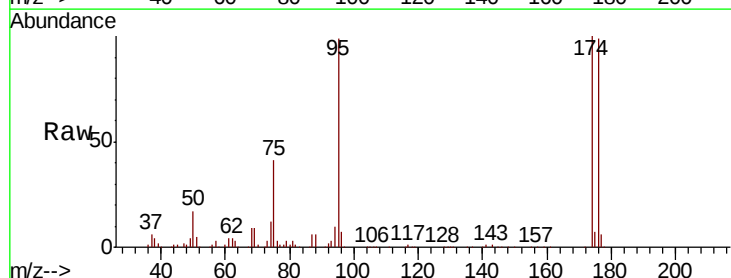
Tgt Ion: 95 Resp: 533824

Ion Ratio Lower Upper

95 100

174 100.7 0.0 219.4

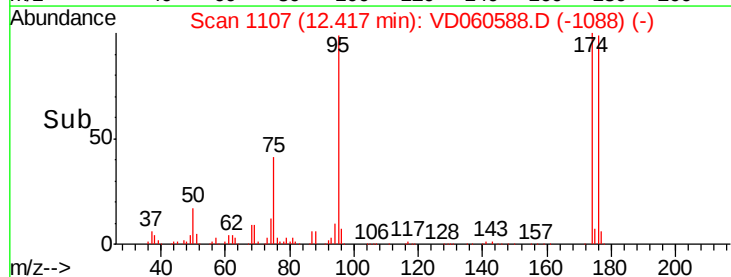
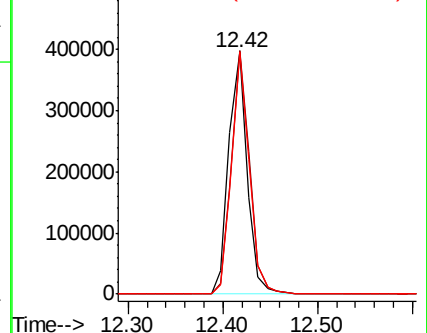
176 100.1 0.0 214.6

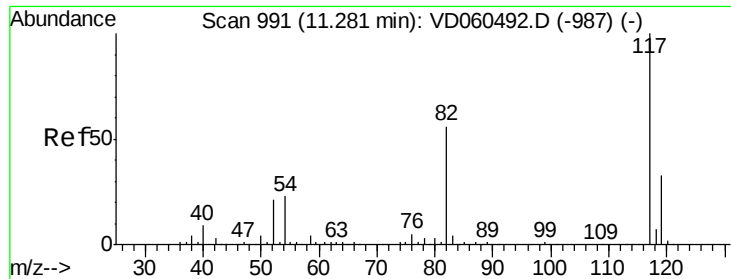


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

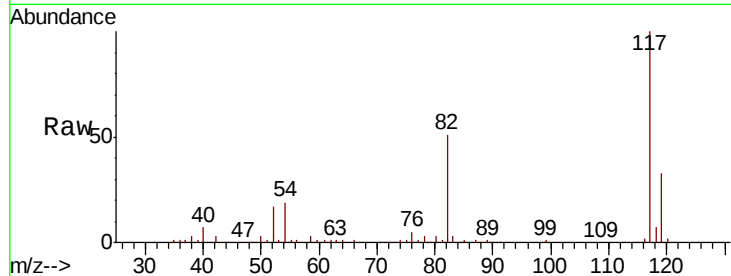




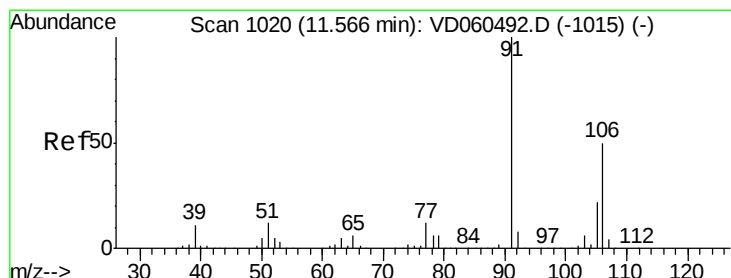
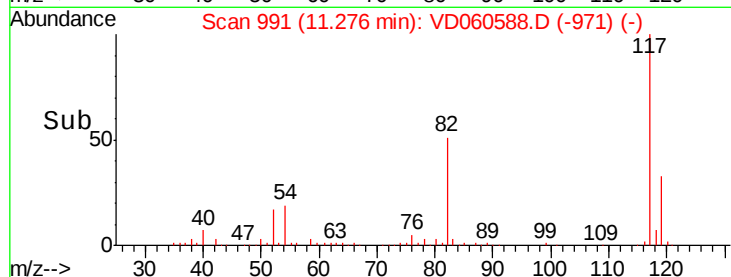
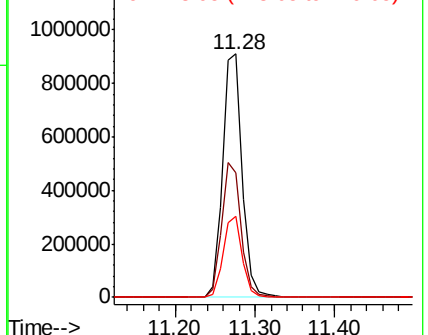
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 991
Delta R.T. -0.00 min
Lab File: VD060588.D
Acq: 14 Dec 2018 22:12

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 1578202
Ion Ratio Lower Upper
117 100
82 51.0 45.2 67.8
119 33.3 26.1 39.1

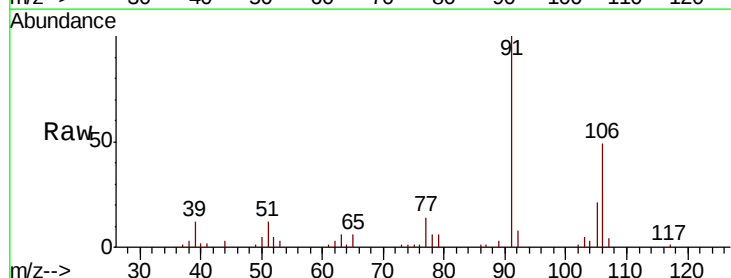


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

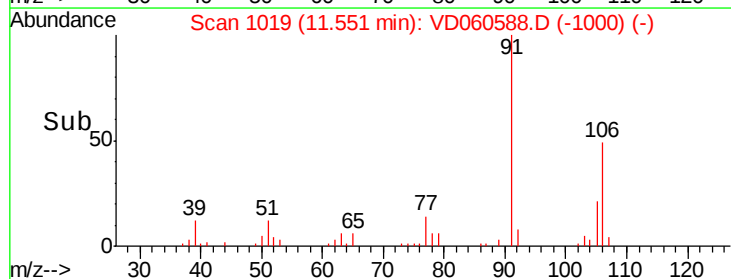
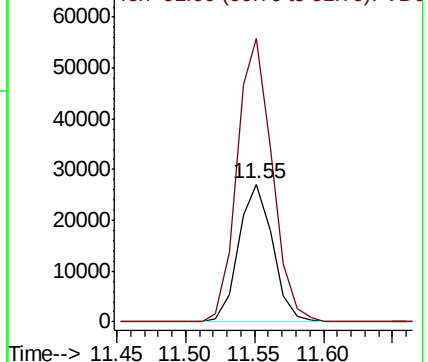


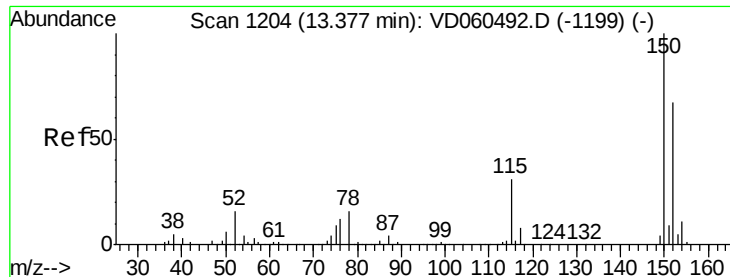
#68
m/p-Xylenes
Concen: 2.210 ug/l
RT: 11.55 min Scan# 1019
Delta R.T. -0.01 min
Lab File: VD060588.D
Acq: 14 Dec 2018 22:12

Tgt Ion:106 Resp: 46564
Ion Ratio Lower Upper
106 100
91 205.3 160.5 240.7



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



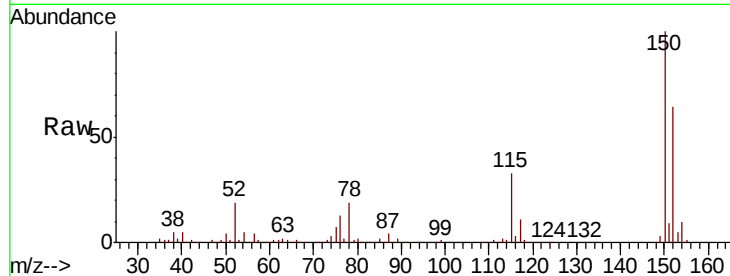


#72

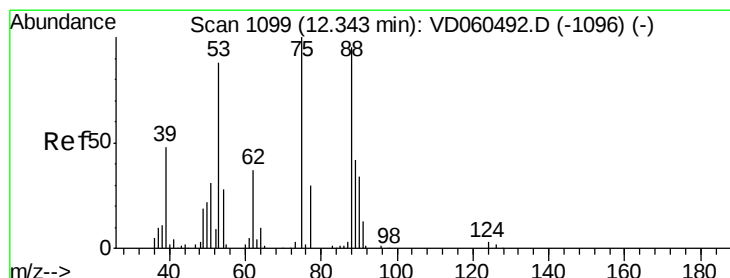
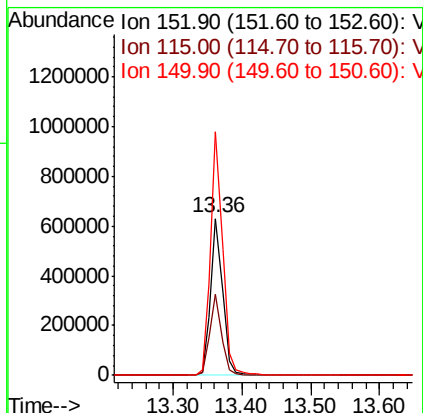
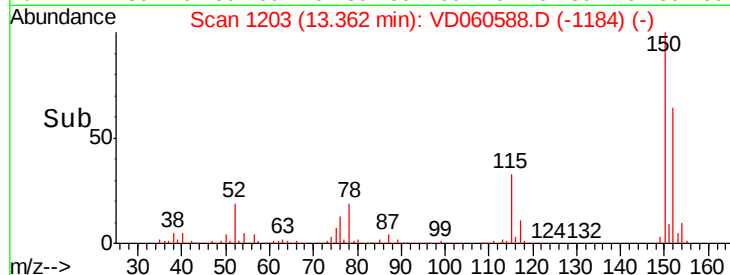
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.36 min Scan# 1203
Delta R.T. -0.01 min
Lab File: VD060588.D
Acq: 14 Dec 2018 22:12

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:152 Resp: 768632
Ion Ratio Lower Upper
152 100
115 51.2 24.6 74.0
150 155.1 0.0 309.0



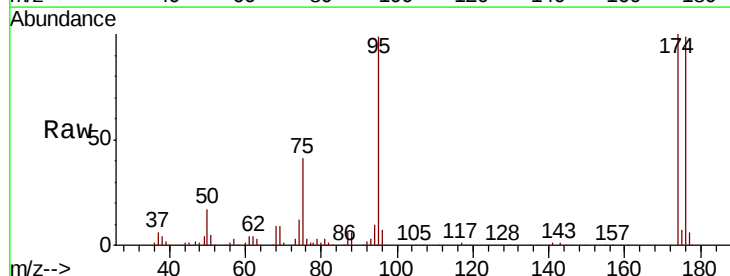
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene
Concen: 92.210 ug/l
RT: 12.42 min Scan# 1107
Delta R.T. 0.07 min
Lab File: VD060588.D
Acq: 14 Dec 2018 22:12

Tgt Ion: 75 Resp: 223977
Ion Ratio Lower Upper
75 100
53 0.0 70.5 105.7#
89 0.0 33.6 50.4#



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

