

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD110118\
 Data File : VD060269.D
 Acq On : 1 Nov 2018 18:29
 Operator : VA/AP
 Sample : J5200-17
 Misc : 6.06g/5ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-03-103118-A

Quant Time: Nov 02 02:42:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	107760	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.45	114	187551	50.00	ug/l	0.03
63) Chlorobenzene-d5	11.30	117	179651	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	13.39	152	98118	50.00	ug/l	0.02

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.79	65	79532	97.37	ug/l	0.03
Spiked Amount	50.000		Recovery	=	194.74%	
35) Dibromofluoromethane	6.33	113	76010	53.37	ug/l	0.03
Spiked Amount	50.000		Recovery	=	106.74%	
50) Toluene-d8	9.47	98	164706	40.56	ug/l	0.03
Spiked Amount	50.000		Recovery	=	81.12%	
62) 4-Bromofluorobenzene	12.44	95	76848	50.54	ug/l	0.02
Spiked Amount	50.000		Recovery	=	101.08%	

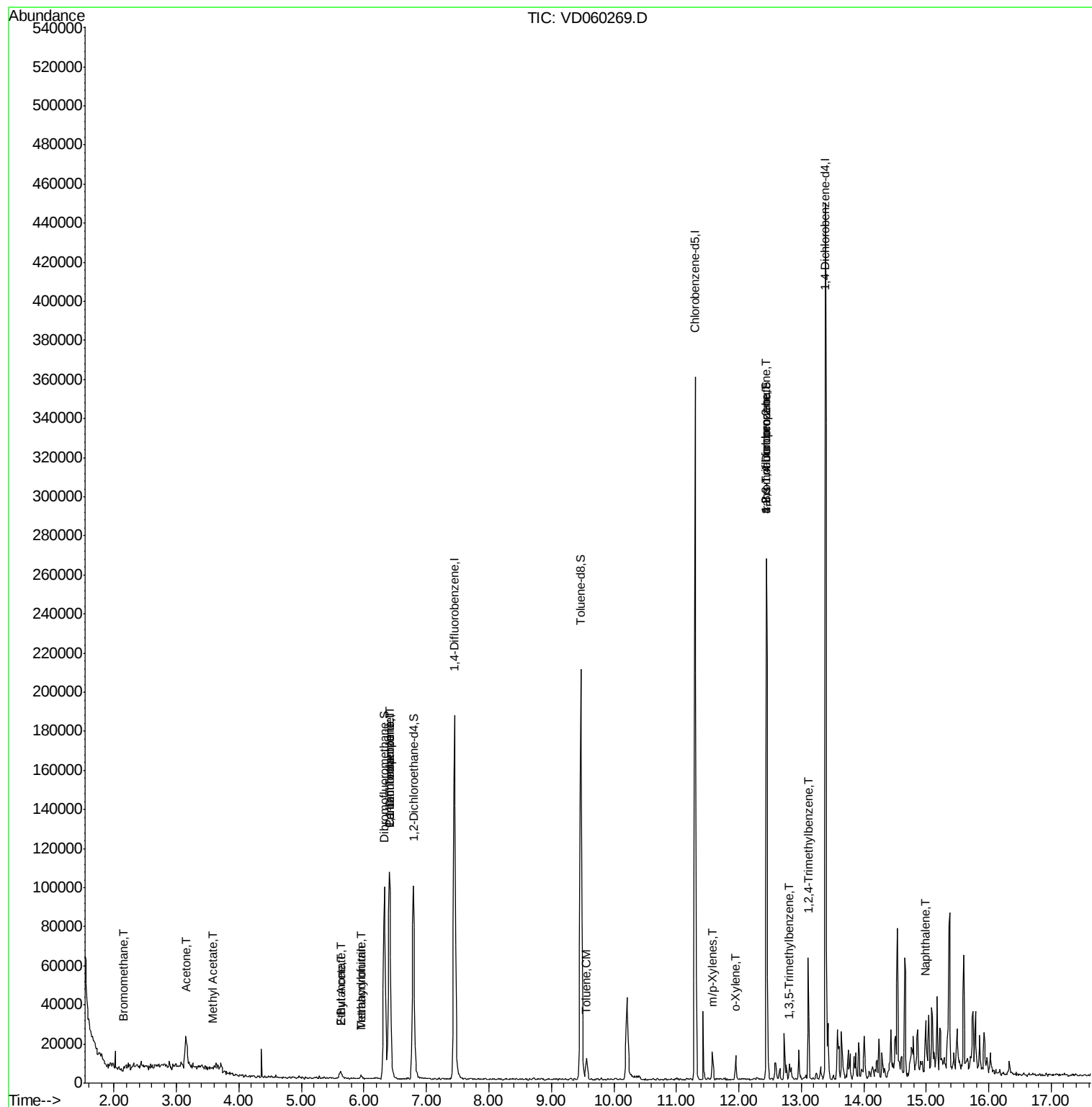
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.15	94	180	1.916	ug/l #	1
16) Acetone	3.15	43	33079	223.178	ug/l	98
18) Methyl Acetate	3.56	43	2258	7.088	ug/l #	63
20) Methylene Chloride	3.72	84	1633	Below Cal	#	46
25) 2-Butanone	5.63	43	7570	20.444	ug/l #	83
29) Tetrahydrofuran	5.96	42	1582	7.355	ug/l #	41
36) 1,1-Dichloropropene	6.42	75	7475	4.171	ug/l #	40
37) Ethyl Acetate	5.63	43	7570	6.363	ug/l #	71
38) Carbon Tetrachloride	6.41	117	8158	5.015	ug/l #	11
41) Methacrylonitrile	5.96	41	1165	1.733	ug/l #	44
52) Toluene	9.56	92	6158	2.039	ug/l	91
68) m/p-Xylenes	11.57	106	4590	1.951	ug/l	97
69) o-Xylene	11.95	106	3342	1.436	ug/l	90
76) 1,2,3-Trichloropropane	12.44	75	32343	22.889	ug/l #	45
80) 1,3,5-Trimethylbenzene	12.81	105	5127	1.023	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.44	75	32337	81.445	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.11	105	26157	4.954	ug/l	88
95) Naphthalene	14.99	128	12222	3.525	ug/l #	95

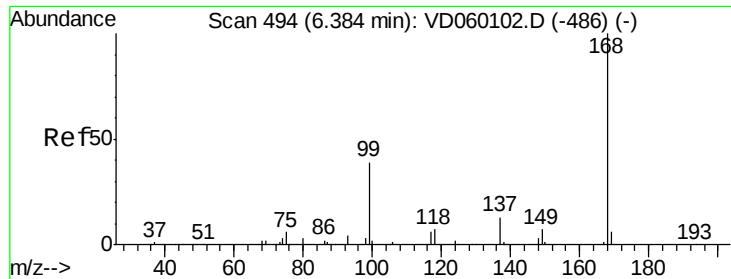
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Oct 02 06:56:35 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.41 min Scan# 496

Delta R.T. 0.02 min

Lab File: VD060269.D

Acq: 1 Nov 2018 18:29

Instrument :

MSVOA_D

ClientSampleId :

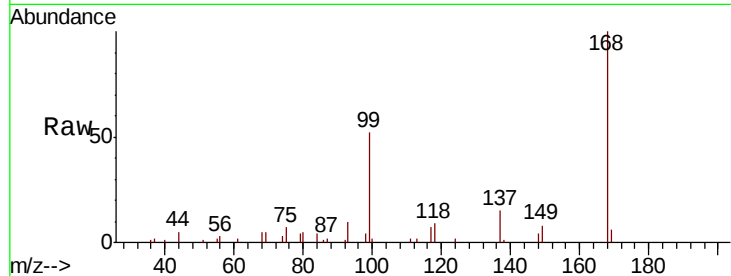
OR-03-103118-A

Tgt Ion:168 Resp: 107760

Ion Ratio Lower Upper

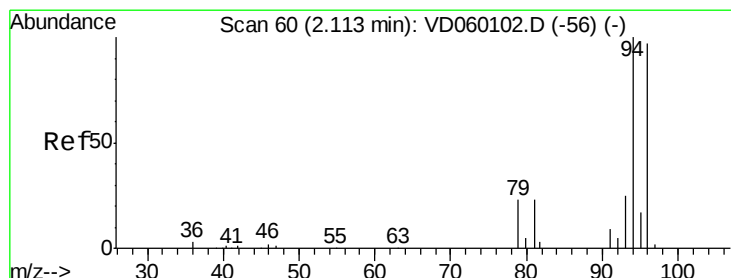
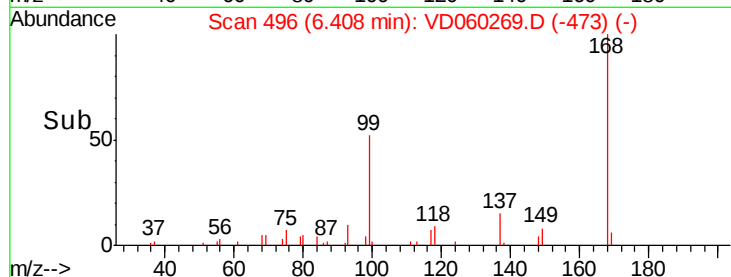
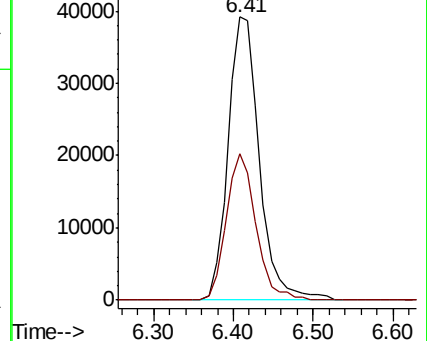
168 100

99 51.7 35.4 53.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 1.916 ug/l

RT: 2.15 min Scan# 63

Delta R.T. 0.03 min

Lab File: VD060269.D

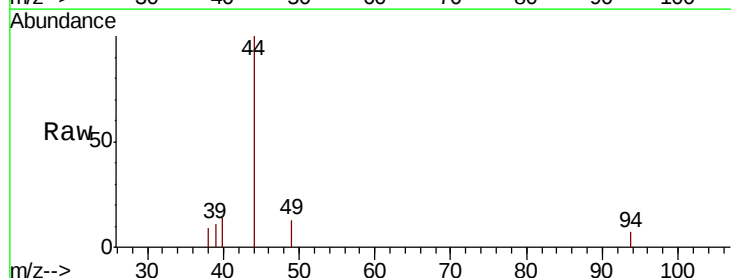
Acq: 1 Nov 2018 18:29

Tgt Ion: 94 Resp: 180

Ion Ratio Lower Upper

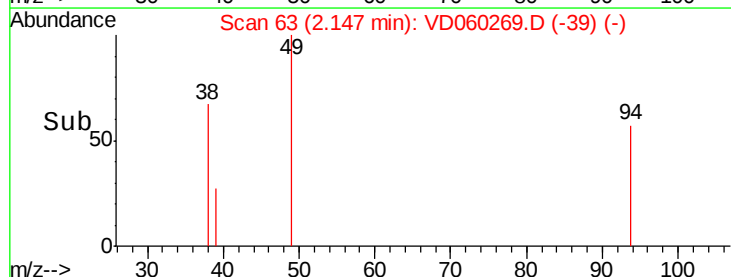
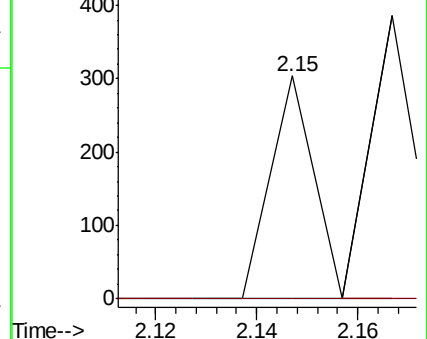
94 100

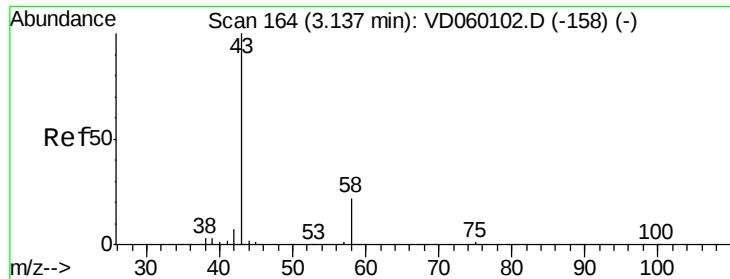
96 0.0 77.4 116.2#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#16

Acetone

Concen: 223.178 ug/l

RT: 3.15 min Scan# 165

Delta R.T. 0.01 min

Lab File: VD060269.D

Acq: 1 Nov 2018 18:29

Instrument :

MSVOA_D

ClientSampleId :

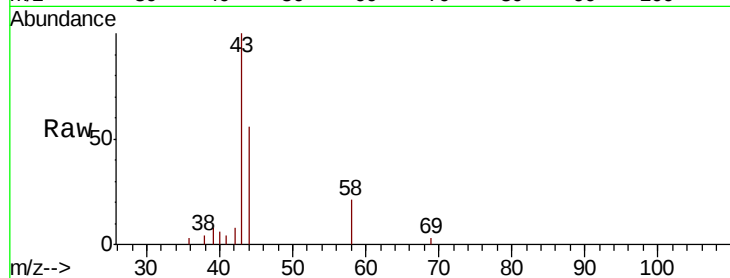
OR-03-103118-A

Tgt Ion: 43 Resp: 33079

Ion Ratio Lower Upper

43 100

58 20.9 17.7 26.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

12000

10000

8000

6000

4000

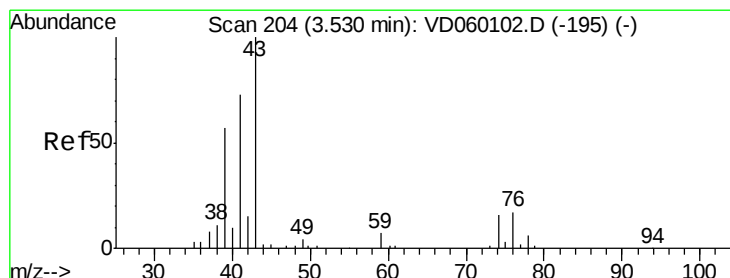
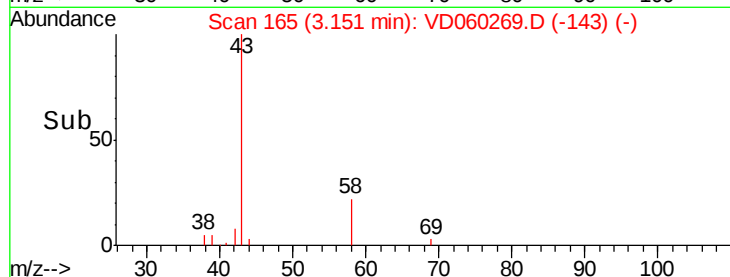
2000

0

Time-->

3.10 3.20 3.30

3.15



#18

Methyl Acetate

Concen: 7.088 ug/l

RT: 3.56 min Scan# 207

Delta R.T. 0.03 min

Lab File: VD060269.D

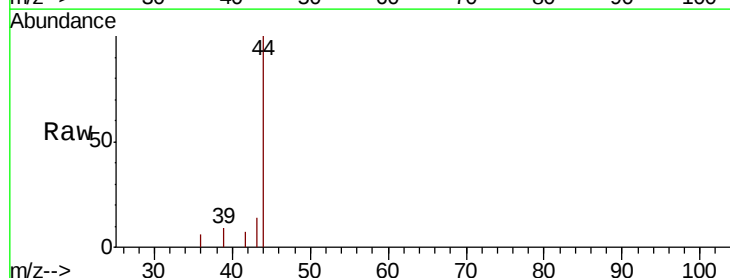
Acq: 1 Nov 2018 18:29

Tgt Ion: 43 Resp: 2258

Ion Ratio Lower Upper

43 100

74 0.0 12.6 19.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

800

600

400

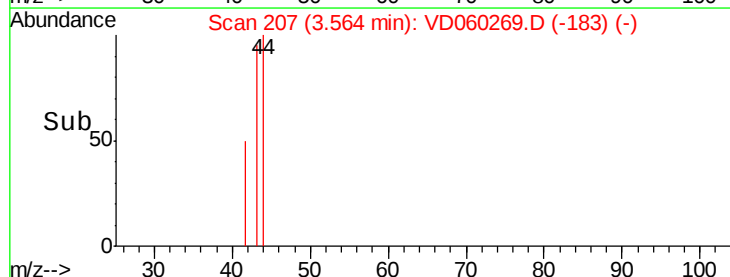
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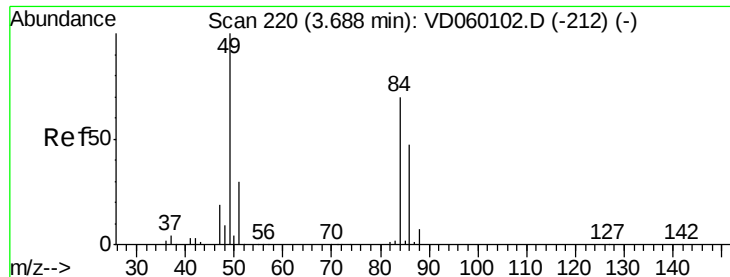
0

Time-->

3.50 3.55 3.60

3.56

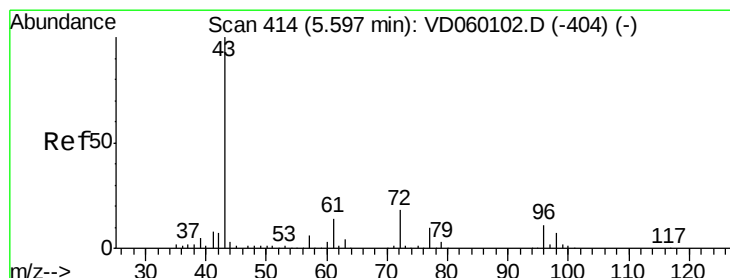
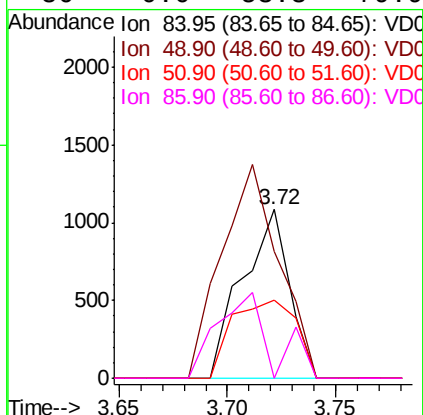
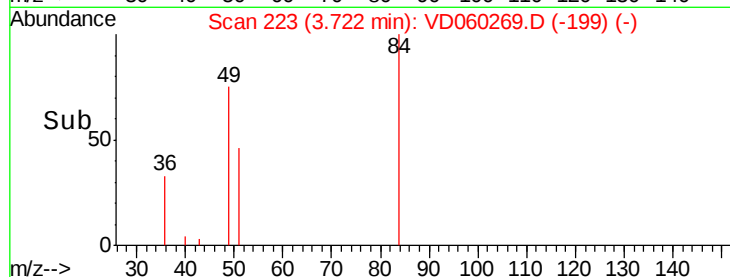
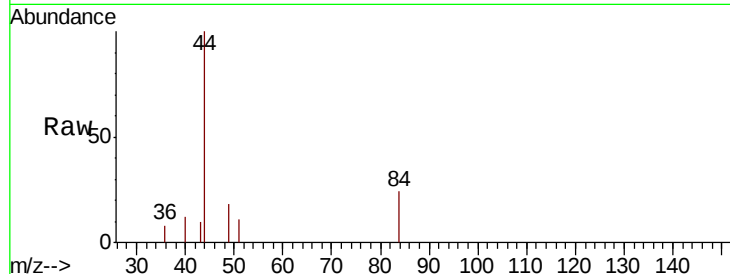




#20
Methylene Chloride
Concen: Below Cal
RT: 3.72 min Scan# 223
Delta R.T. 0.03 min
Lab File: VD060269.D
Acq: 1 Nov 2018 18:29

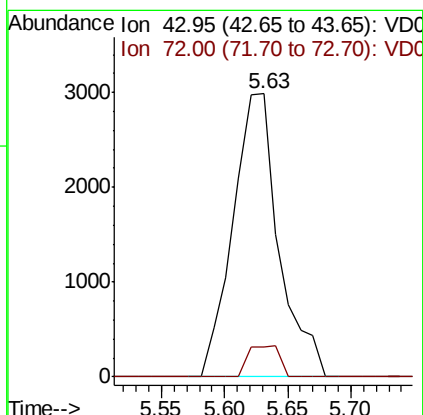
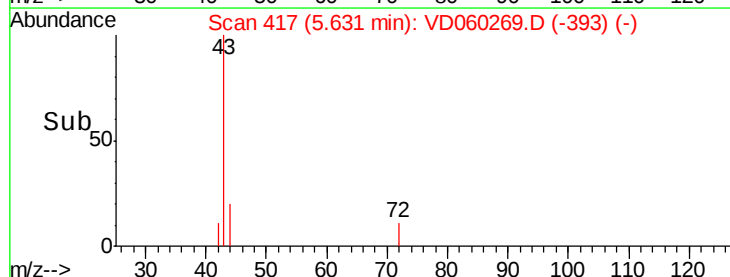
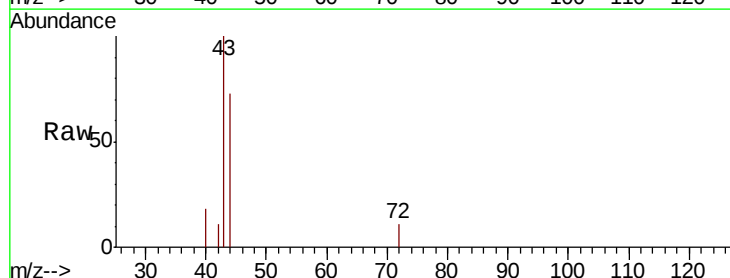
Instrument :
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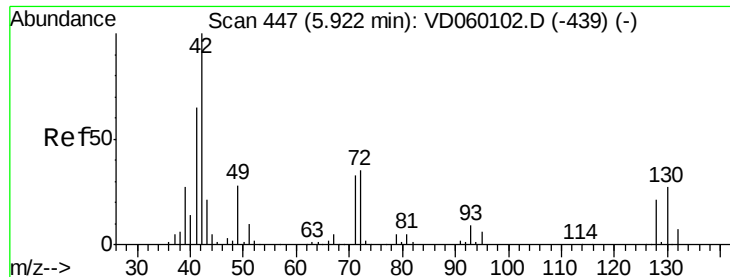
Tgt Ion: 84 Resp: 1633
Ion Ratio Lower Upper
84 100
49 75.2 114.6 172.0#
51 46.1 33.8 50.8
86 0.0 53.3 79.9#



#25
2-Butanone
Concen: 20.444 ug/l
RT: 5.63 min Scan# 417
Delta R.T. 0.03 min
Lab File: VD060269.D
Acq: 1 Nov 2018 18:29

Tgt Ion: 43 Resp: 7570
Ion Ratio Lower Upper
43 100
72 10.7 14.5 21.7#





#29

Tetrahydrofuran

Concen: 7.355 ug/l

RT: 5.96 min Scan# 450

Delta R.T. 0.03 min

Lab File: VD060269.D

Acq: 1 Nov 2018 18:29

Instrument :

MSVOA_D

ClientSampleId :

OR-03-103118-A

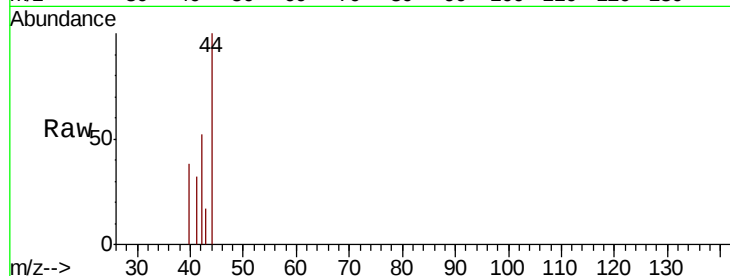
Tgt Ion: 42 Resp: 1582

Ion Ratio Lower Upper

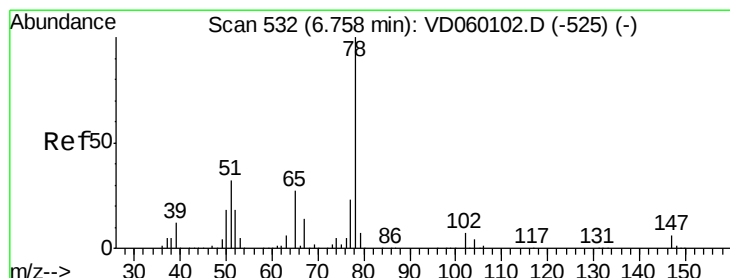
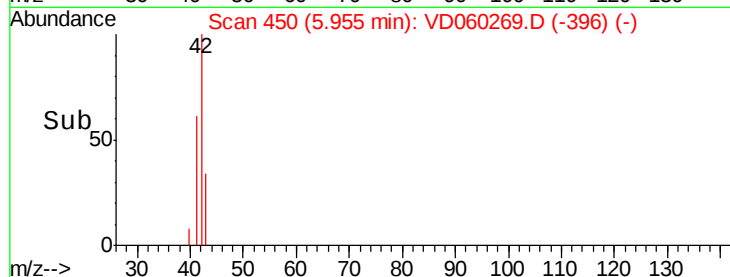
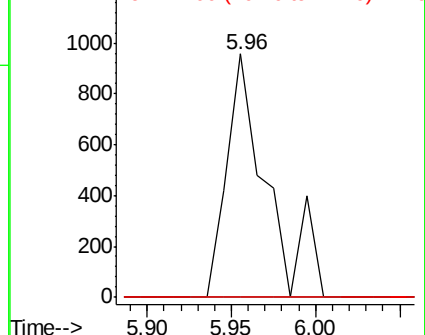
42 100

72 0.0 26.9 40.3#

71 0.0 26.7 40.1#



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



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.79 min Scan# 535

Delta R.T. 0.03 min

Lab File: VD060269.D

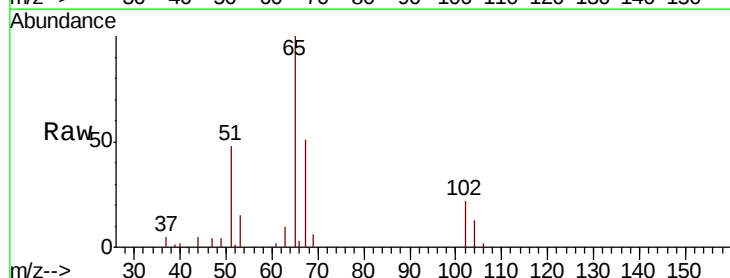
Acq: 1 Nov 2018 18:29

Tgt Ion: 65 Resp: 79532

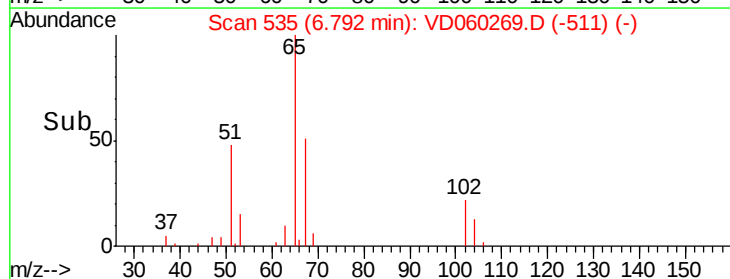
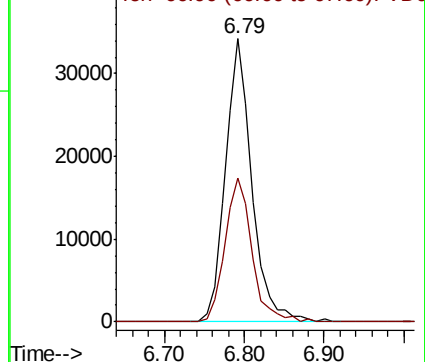
Ion Ratio Lower Upper

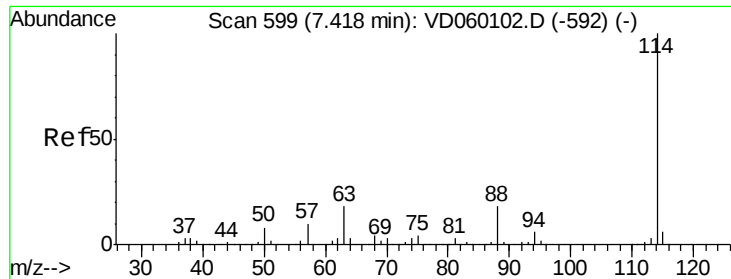
65 100

67 51.1 0.0 106.2



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

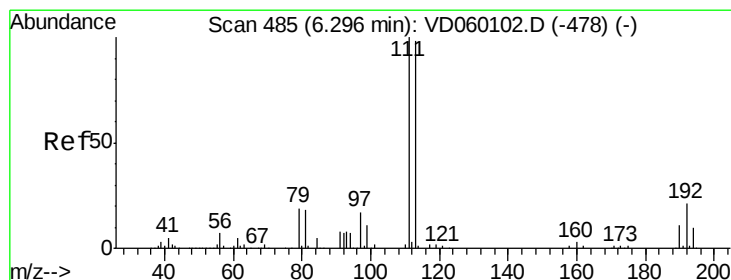
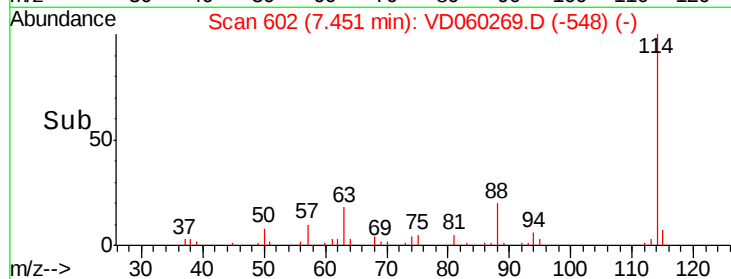
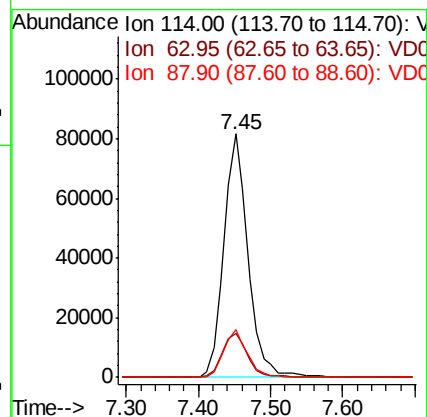
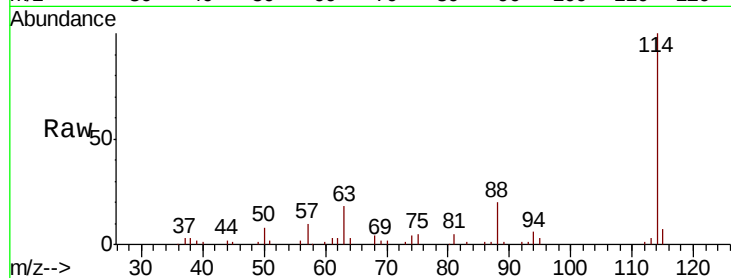




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.45 min Scan# 602
 Delta R.T. 0.03 min
 Lab File: VD060269.D
 Acq: 1 Nov 2018 18:29

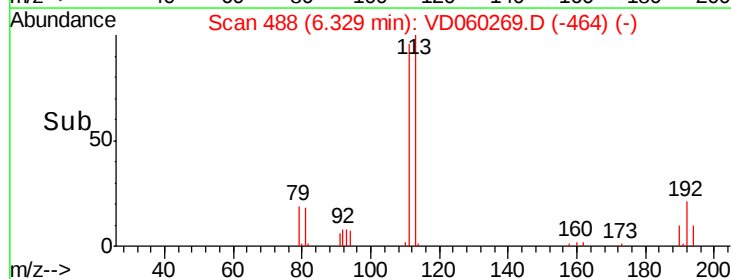
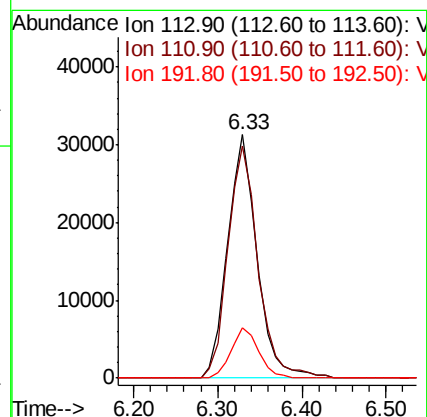
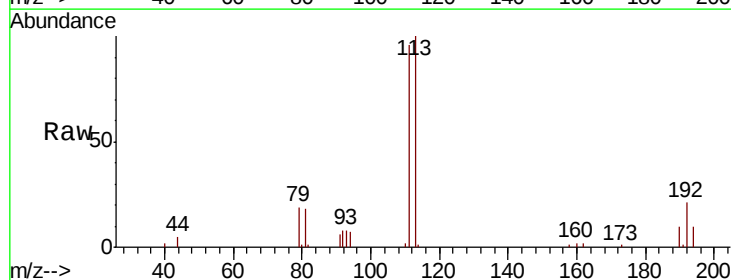
Instrument :
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 OR-03-103118-A

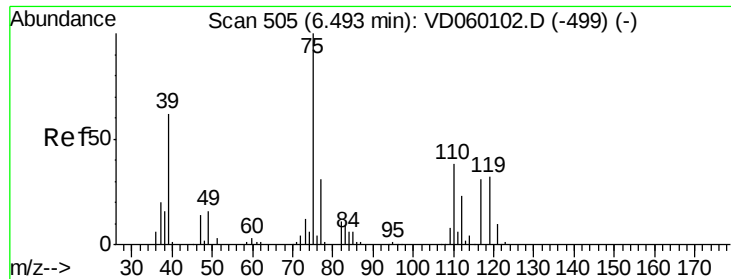
Tgt Ion:114 Resp: 187551
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 36.0
 88 19.6 0.0 36.2



#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.33 min Scan# 488
 Delta R.T. 0.03 min
 Lab File: VD060269.D
 Acq: 1 Nov 2018 18:29

Tgt Ion:113 Resp: 76010
 Ion Ratio Lower Upper
 113 100
 111 95.6 81.5 122.3
 192 20.7 17.4 26.0

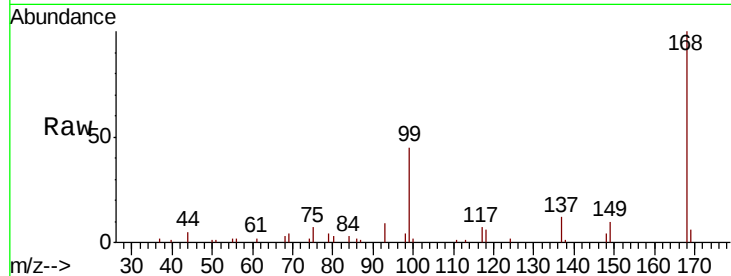




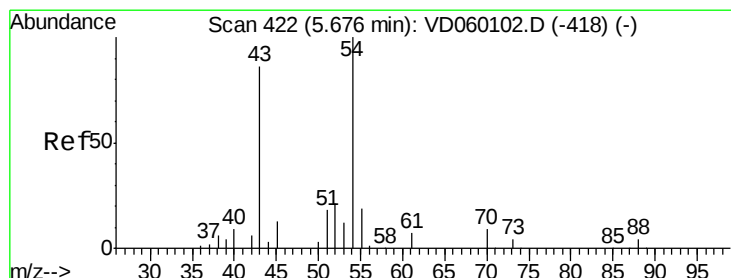
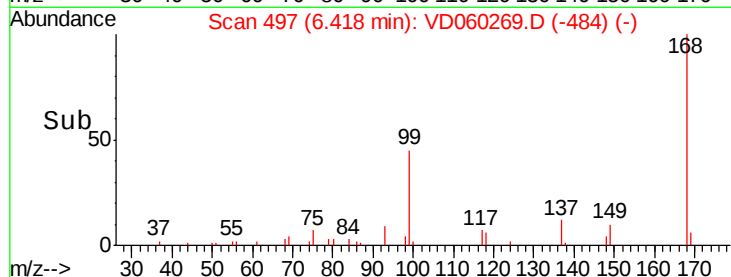
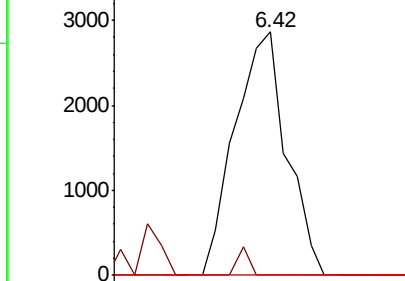
#36
 1,1-Dichloropropene
 Concen: 4.171 ug/l
 RT: 6.42 min Scan# 497
 Delta R.T. -0.07 min
 Lab File: VD060269.D
 Acq: 1 Nov 2018 18:29

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-03-103118-A

Tgt Ion: 75 Resp: 7475
 Ion Ratio Lower Upper
 75 100
 110 0.0 19.0 57.0#
 77 0.0 24.9 37.3#

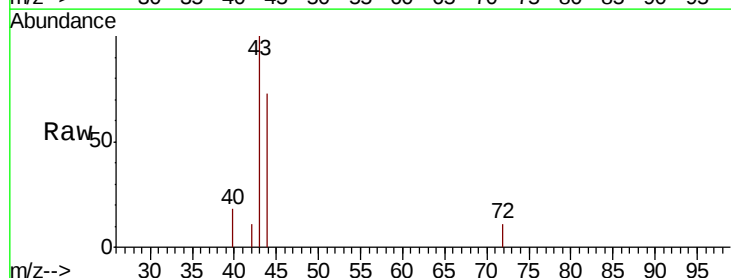


Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 109.90 (109.60 to 110.60): VDC
 Ion 76.95 (76.65 to 77.65): VDC

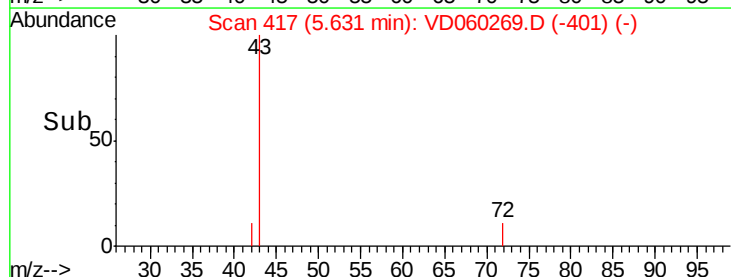
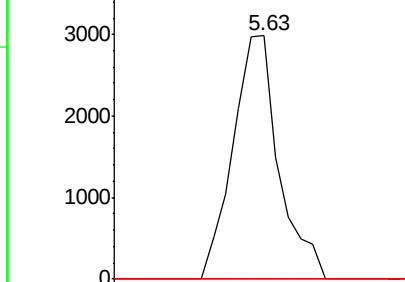


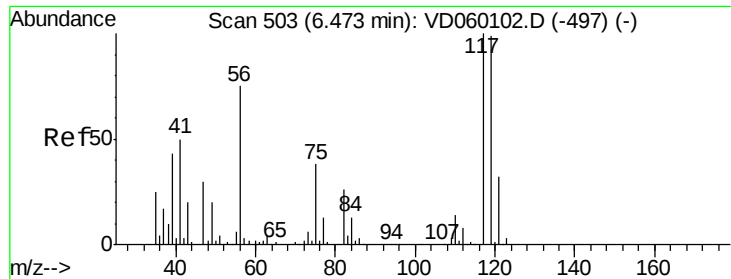
#37
 Ethyl Acetate
 Concen: 6.363 ug/l
 RT: 5.63 min Scan# 417
 Delta R.T. -0.05 min
 Lab File: VD060269.D
 Acq: 1 Nov 2018 18:29

Tgt Ion: 43 Resp: 7570
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.5 15.7#
 70 0.0 6.3 9.5#



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

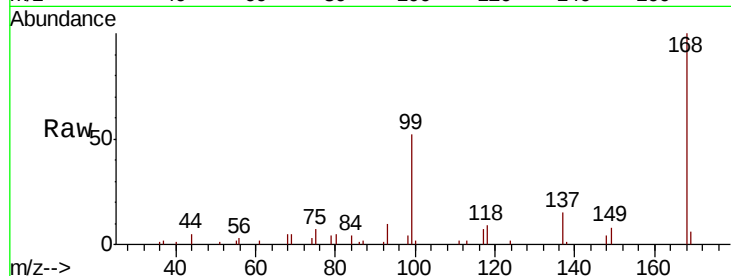




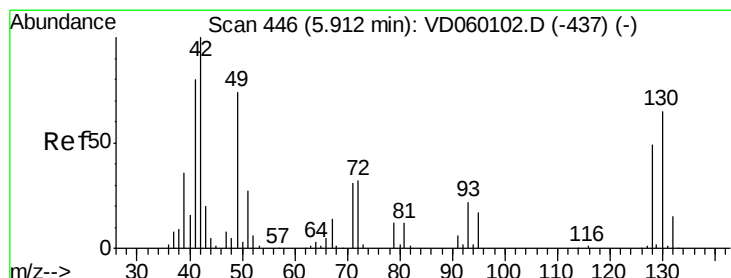
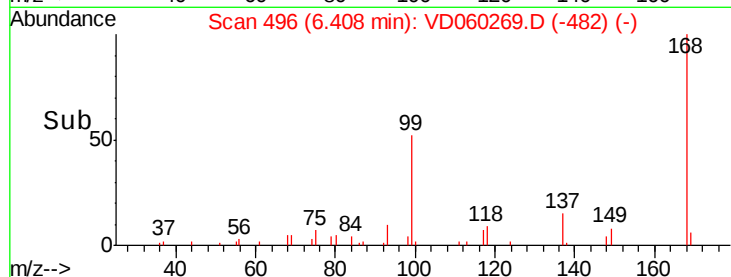
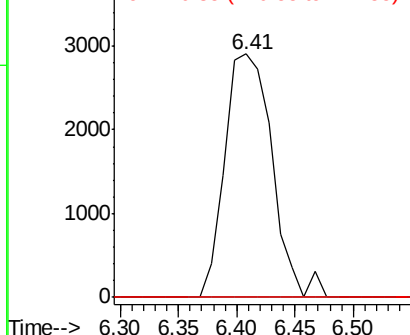
#38
Carbon Tetrachloride
Concen: 5.015 ug/l
RT: 6.41 min Scan# 496
Delta R.T. -0.06 min
Lab File: VD060269.D
Acq: 1 Nov 2018 18:29

Instrument :
MSVOA_D
ClientSampleId :
OR-03-103118-A

Tgt Ion: 117 Resp: 8158
Ion Ratio Lower Upper
117 100
119 0.0 77.8 116.6#
121 0.0 24.8 37.2#

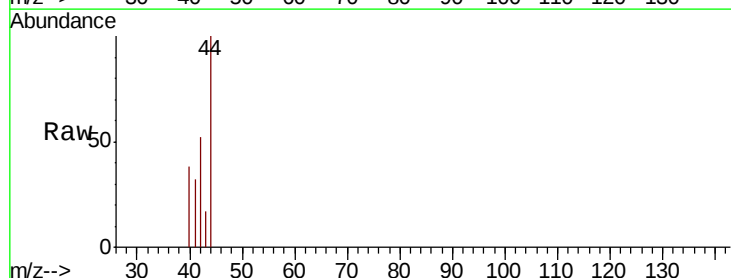


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

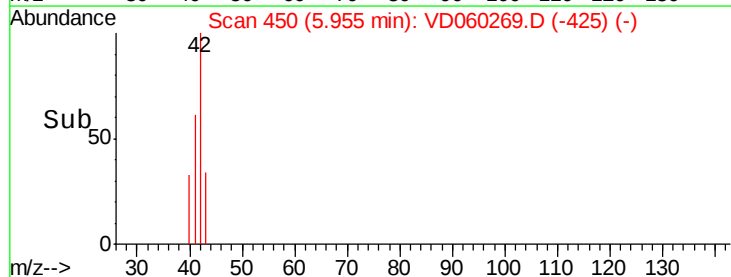
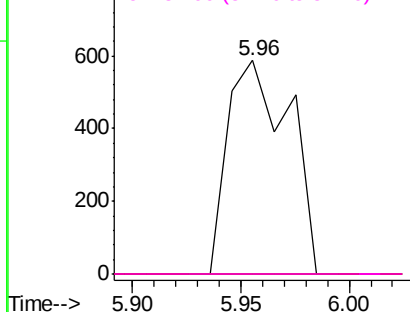


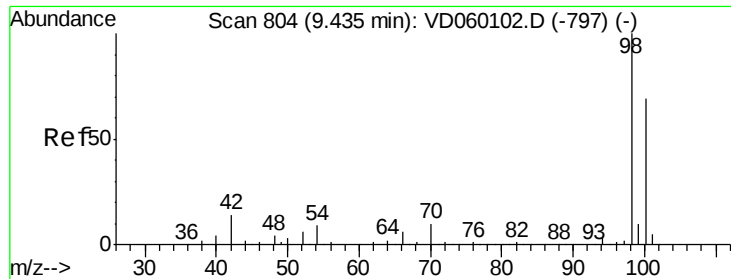
#41
Methacrylonitrile
Concen: 1.733 ug/l
RT: 5.96 min Scan# 450
Delta R.T. 0.04 min
Lab File: VD060269.D
Acq: 1 Nov 2018 18:29

Tgt Ion: 41 Resp: 1165
Ion Ratio Lower Upper
41 100
39 0.0 36.0 54.0#
67 0.0 13.9 20.9#
52 0.0 6.1 9.1#



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

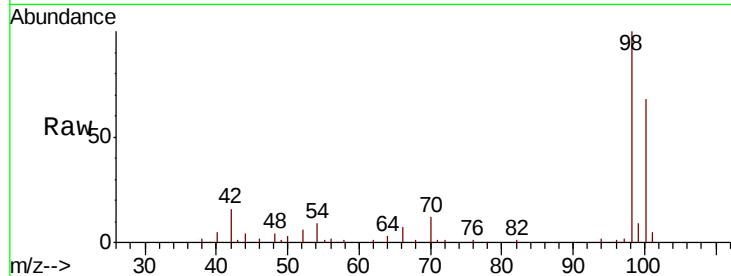




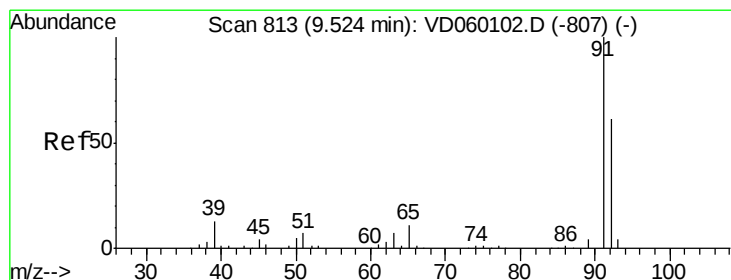
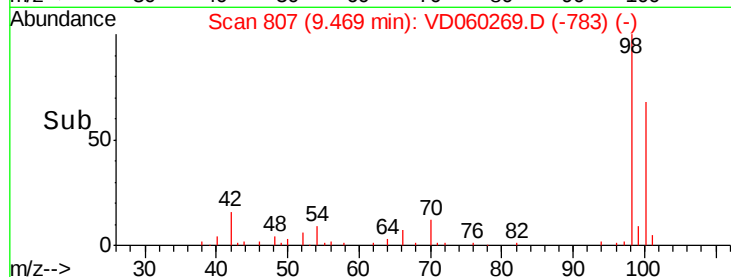
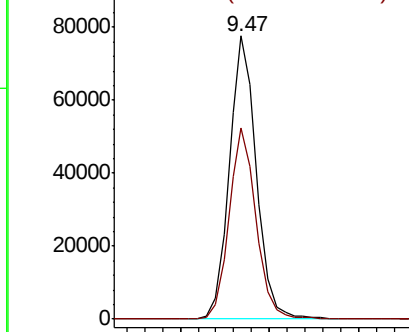
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.47 min Scan# 807
Delta R.T. 0.03 min
Lab File: VD060269.D
Acq: 1 Nov 2018 18:29

Instrument :
MSVOA_D
ClientSampleId :
OR-03-103118-A

Tgt Ion: 98 Resp: 164706
Ion Ratio Lower Upper
98 100
100 67.8 55.4 83.0

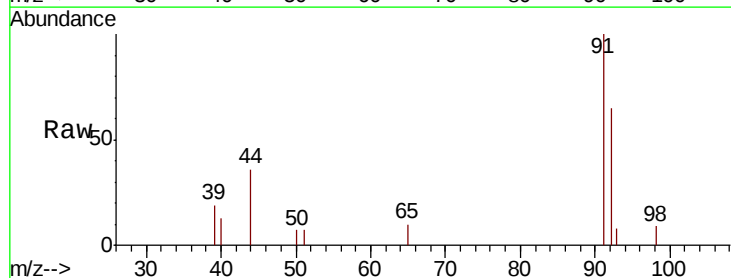


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

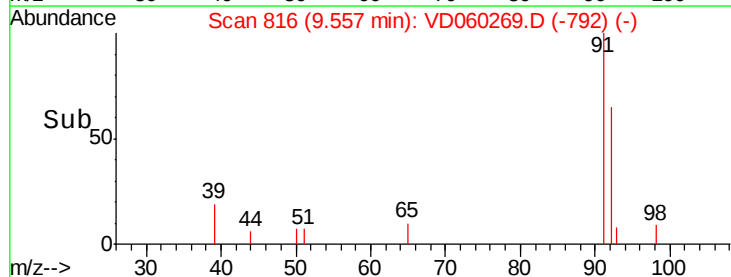
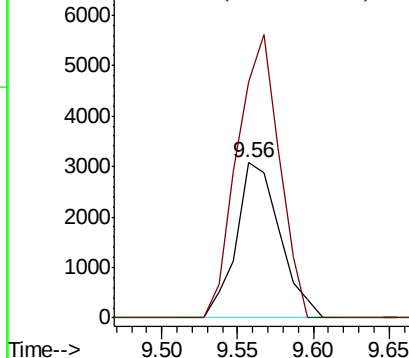


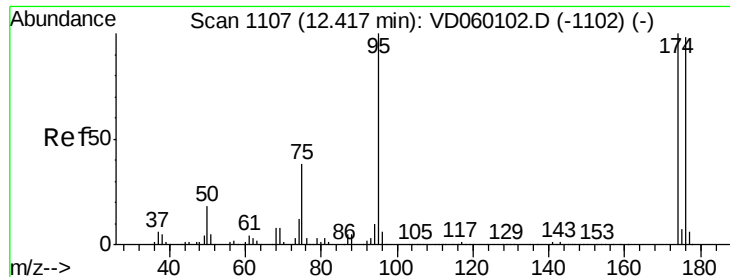
#52
Toluene
Concen: 2.039 ug/l
RT: 9.56 min Scan# 816
Delta R.T. 0.03 min
Lab File: VD060269.D
Acq: 1 Nov 2018 18:29

Tgt Ion: 92 Resp: 6158
Ion Ratio Lower Upper
92 100
91 152.8 131.9 197.9



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

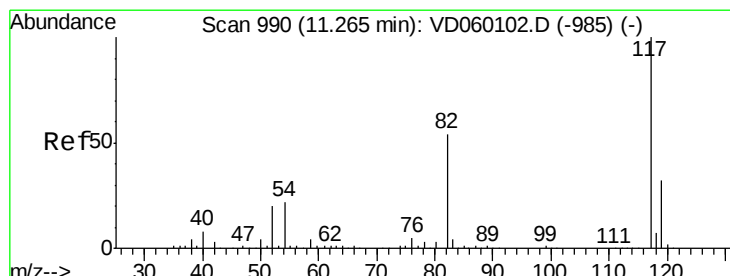
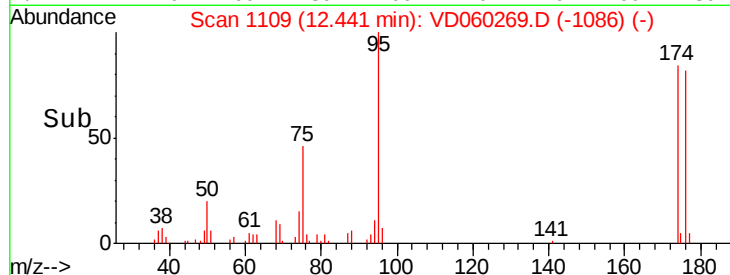
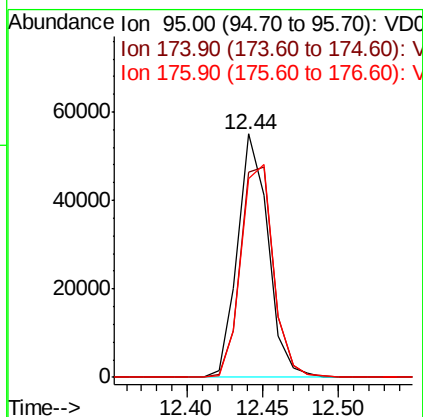
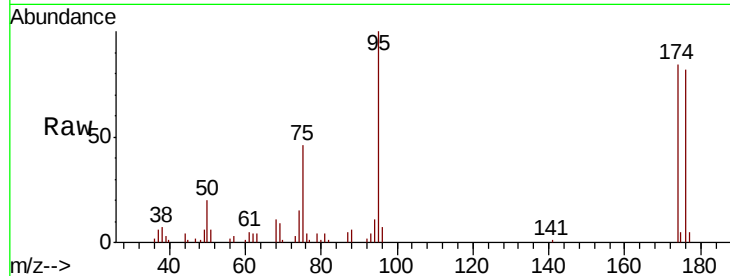




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.44 min Scan# 1109
Delta R.T. 0.02 min
Lab File: VD060269.D
Acq: 1 Nov 2018 18:29

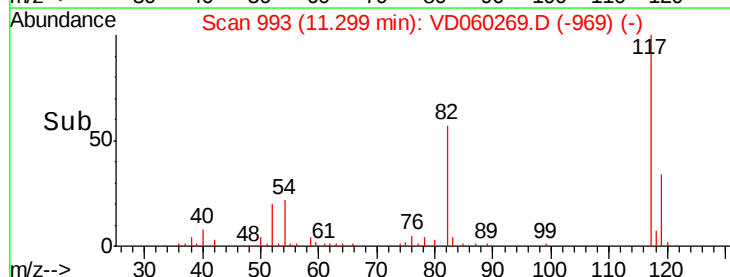
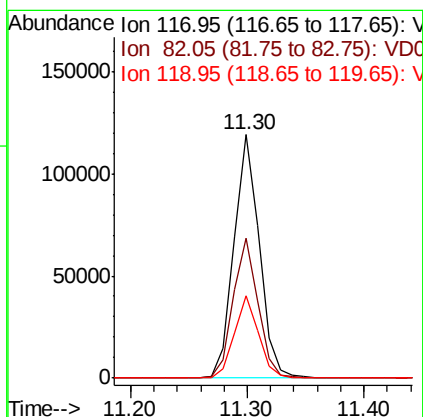
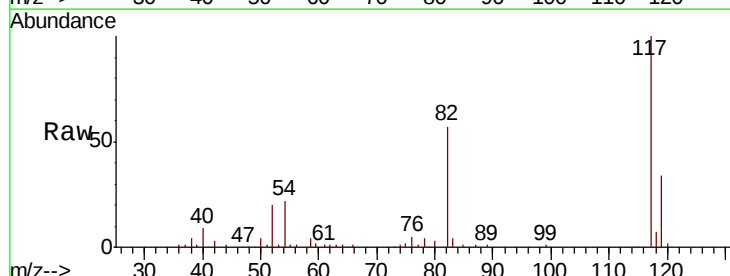
Instrument :
MSVOA_D
ClientSampleId :
OR-03-103118-A

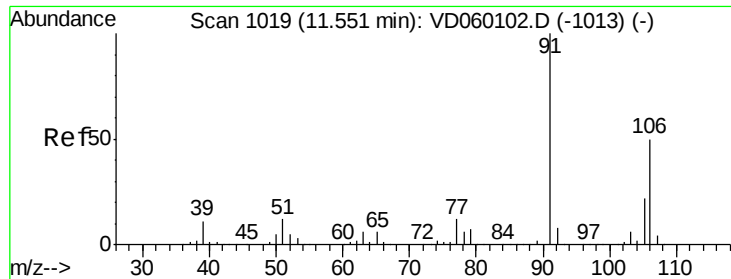
Tgt Ion: 95 Resp: 76848
Ion Ratio Lower Upper
95 100
174 84.4 0.0 200.2
176 81.6 0.0 195.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.30 min Scan# 993
Delta R.T. 0.03 min
Lab File: VD060269.D
Acq: 1 Nov 2018 18:29

Tgt Ion: 117 Resp: 179651
Ion Ratio Lower Upper
117 100
82 57.3 43.4 65.2
119 33.9 26.0 39.0

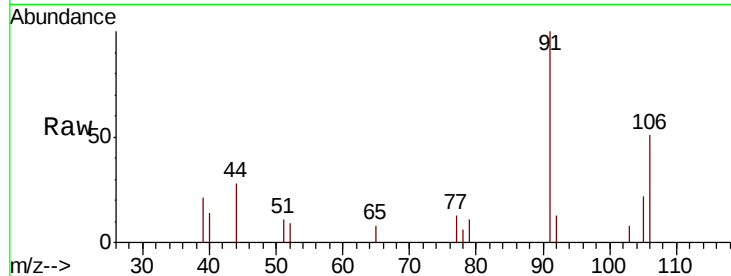




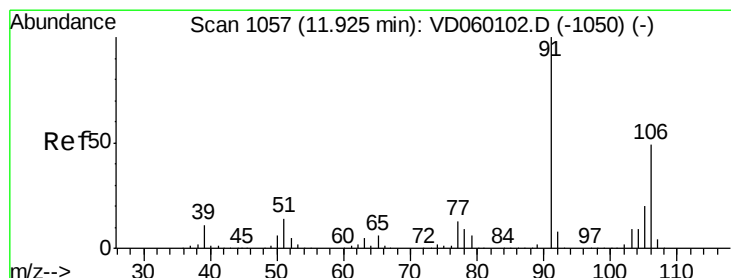
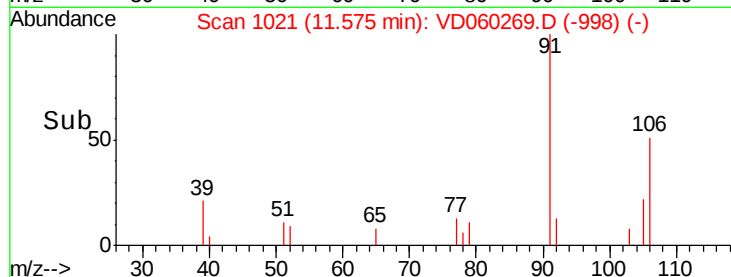
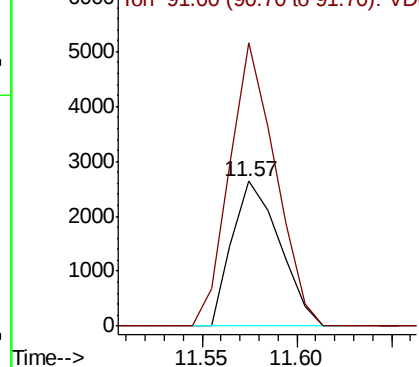
#68
m/p-Xylenes
Concen: 1.951 ug/l
RT: 11.57 min Scan# 1021
Delta R.T. 0.02 min
Lab File: VD060269.D
Acq: 1 Nov 2018 18:29

Instrument :
MSVOA_D
ClientSampleId :
OR-03-103118-A

Tgt Ion:106 Resp: 4590
Ion Ratio Lower Upper
106 100
91 195.4 160.0 240.0

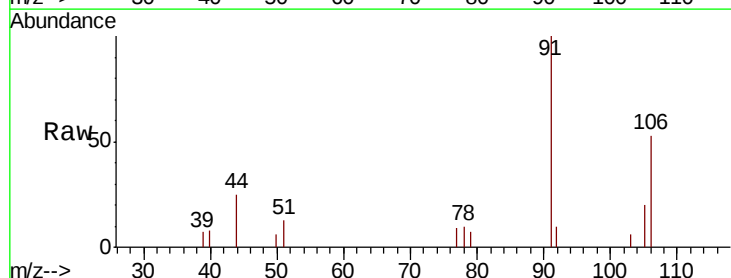


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

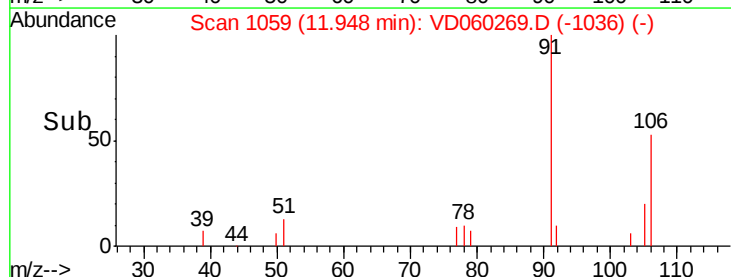
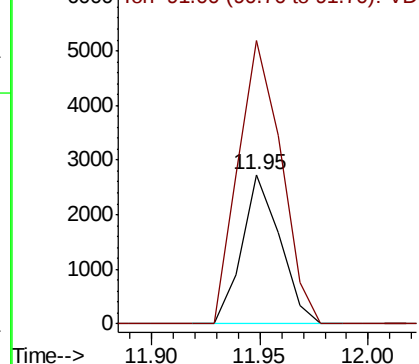


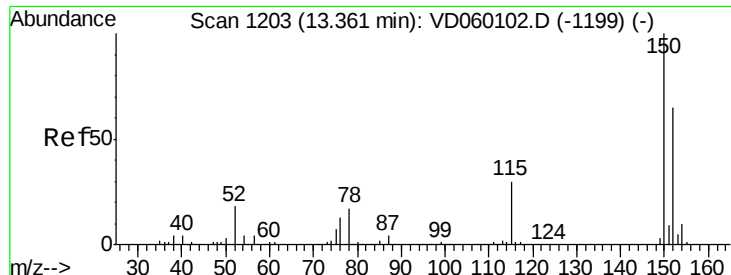
#69
o-Xylene
Concen: 1.436 ug/l
RT: 11.95 min Scan# 1059
Delta R.T. 0.02 min
Lab File: VD060269.D
Acq: 1 Nov 2018 18:29

Tgt Ion:106 Resp: 3342
Ion Ratio Lower Upper
106 100
91 189.2 102.5 307.5



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.39 min Scan# 1205

Delta R.T. 0.02 min

Lab File: VD060269.D

Acq: 1 Nov 2018 18:29

Instrument :

MSVOA_D

ClientSampleId :

OR-03-103118-A

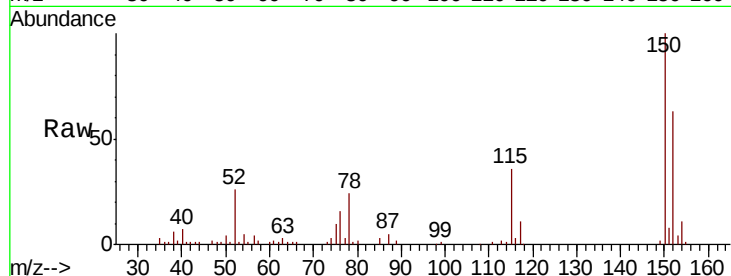
Tgt Ion:152 Resp: 98118

Ion Ratio Lower Upper

152 100

115 57.1 27.1 81.2

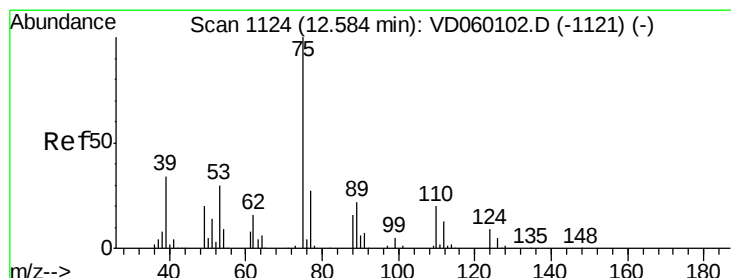
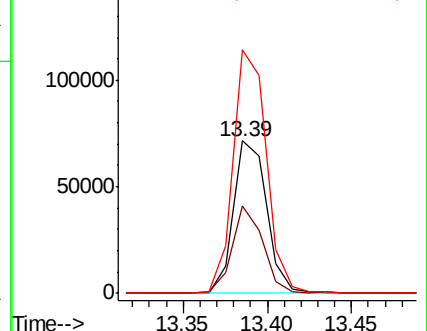
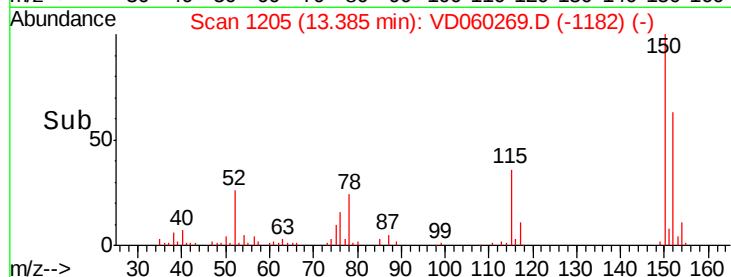
150 159.5 0.0 311.8



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



#76

1,2,3-Trichloropropane

Concen: 22.889 ug/l

RT: 12.44 min Scan# 1109

Delta R.T. -0.14 min

Lab File: VD060269.D

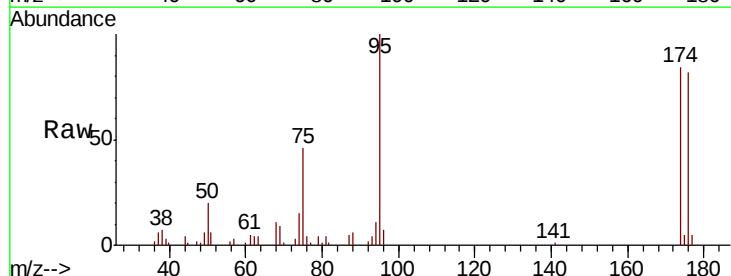
Acq: 1 Nov 2018 18:29

Tgt Ion: 75 Resp: 32343

Ion Ratio Lower Upper

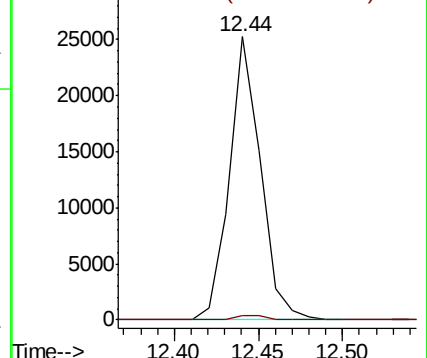
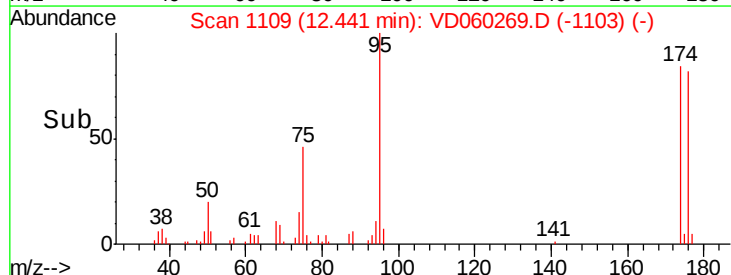
75 100

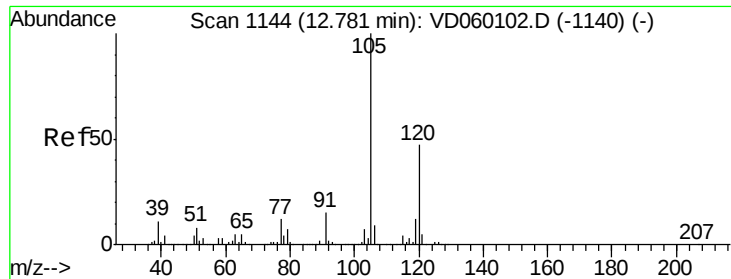
77 1.5 16.3 48.9#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

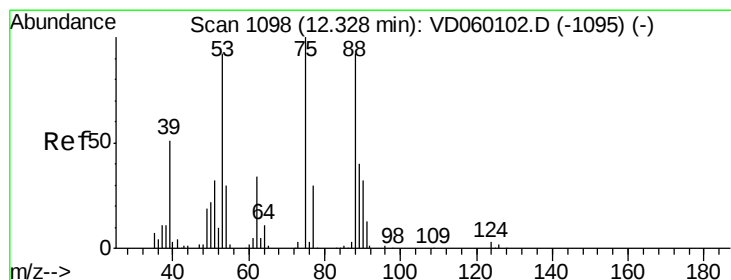
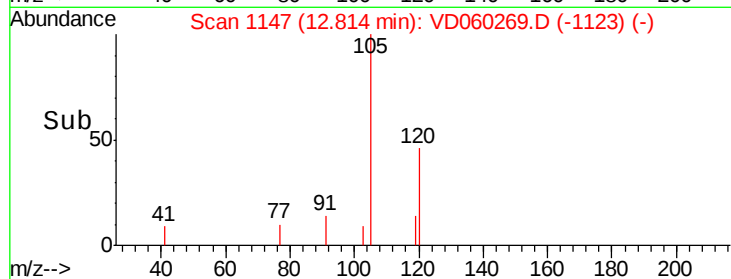
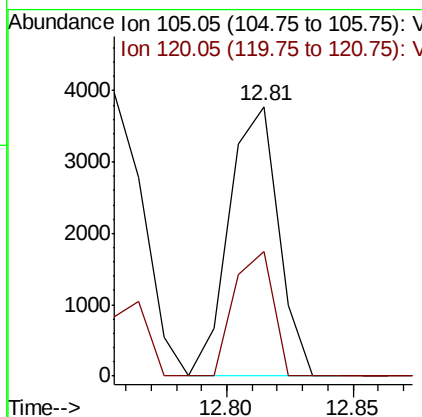
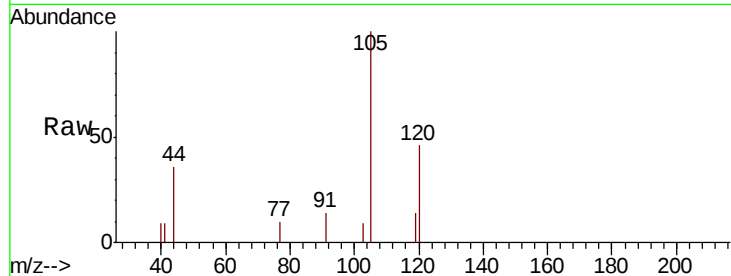




#80
 1,3,5-Trimethylbenzene
 Concen: 1.023 ug/l
 RT: 12.81 min Scan# 1147
 Delta R.T. 0.03 min
 Lab File: VD060269.D
 Acq: 1 Nov 2018 18:29

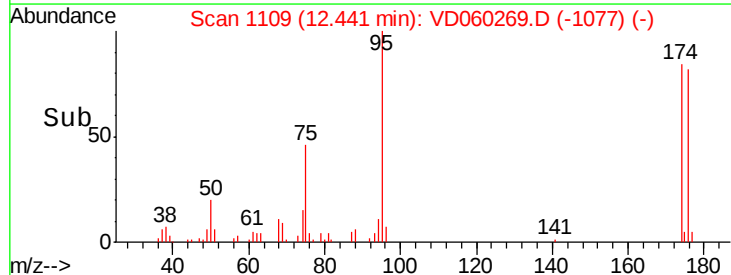
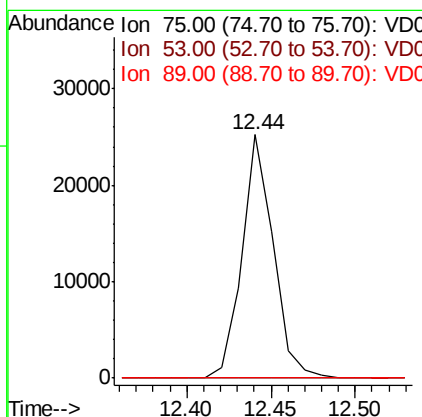
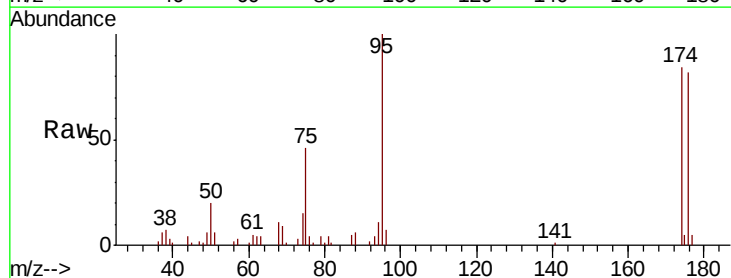
Instrument :
 MSVOA_D
 ClientSampleId :
 OR-03-103118-A

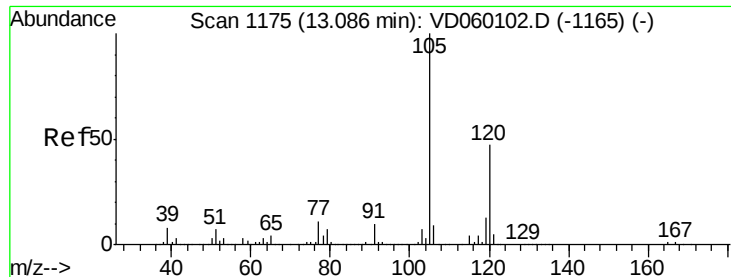
Tgt Ion: 105 Resp: 5127
 Ion Ratio Lower Upper
 105 100
 120 46.4 23.7 71.1



#81
 trans-1,4-Dichloro-2-butene
 Concen: 81.445 ug/l
 RT: 12.44 min Scan# 1109
 Delta R.T. 0.11 min
 Lab File: VD060269.D
 Acq: 1 Nov 2018 18:29

Tgt Ion: 75 Resp: 32337
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.0 109.6#
 89 0.0 32.0 48.0#

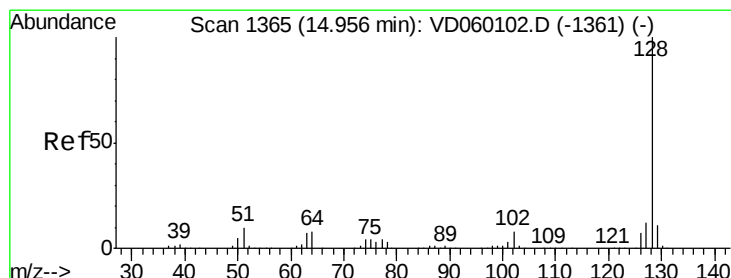
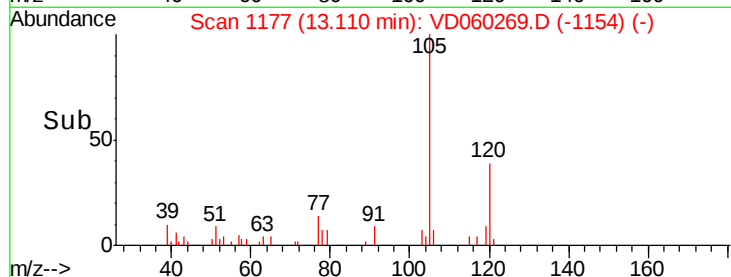
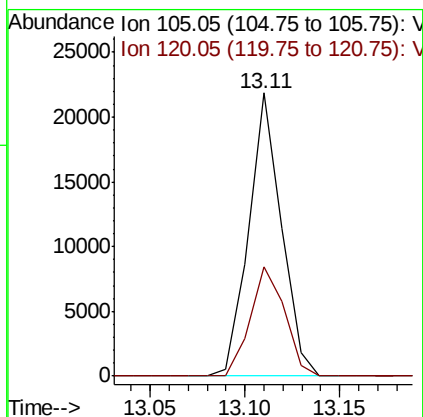
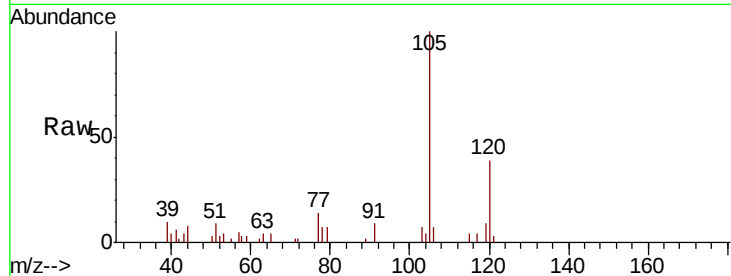




#84
 1,2,4-Trimethylbenzene
 Concen: 4.954 ug/l
 RT: 13.11 min Scan# 1177
 Delta R.T. 0.02 min
 Lab File: VD060269.D
 Acq: 1 Nov 2018 18:29

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-03-103118-A

Tgt Ion:105 Resp: 26157
 Ion Ratio Lower Upper
 105 100
 120 38.7 23.4 70.0



#95
 Naphthalene
 Concen: 3.525 ug/l
 RT: 14.99 min Scan# 1368
 Delta R.T. 0.03 min
 Lab File: VD060269.D
 Acq: 1 Nov 2018 18:29

Tgt Ion:128 Resp: 12222
 Ion Ratio Lower Upper
 128 100
 127 13.8 9.9 14.9
 129 13.4 8.8 13.2#

