

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD103118\
 Data File : VD060241.D
 Acq On : 31 Oct 2018 14:49
 Operator : VA/AP
 Sample : VD1031SBL01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1031SBL01

Quant Time: Oct 31 23:52:04 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	6.40	168	1637446	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.45	114	2280713	50.00	ug/l	0.03
63) Chlorobenzene-d5	11.28	117	1864146	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	962936	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.79	65	656756	52.91	ug/l	0.03
Spiked Amount 50.000			Recovery	=	105.82%	
35) Dibromofluoromethane	6.32	113	880756	50.85	ug/l	0.03
Spiked Amount 50.000			Recovery	=	101.70%	
50) Toluene-d8	9.45	98	2365629	47.90	ug/l	0.02
Spiked Amount 50.000			Recovery	=	95.80%	
62) 4-Bromofluorobenzene	12.43	95	934299	50.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.06%	

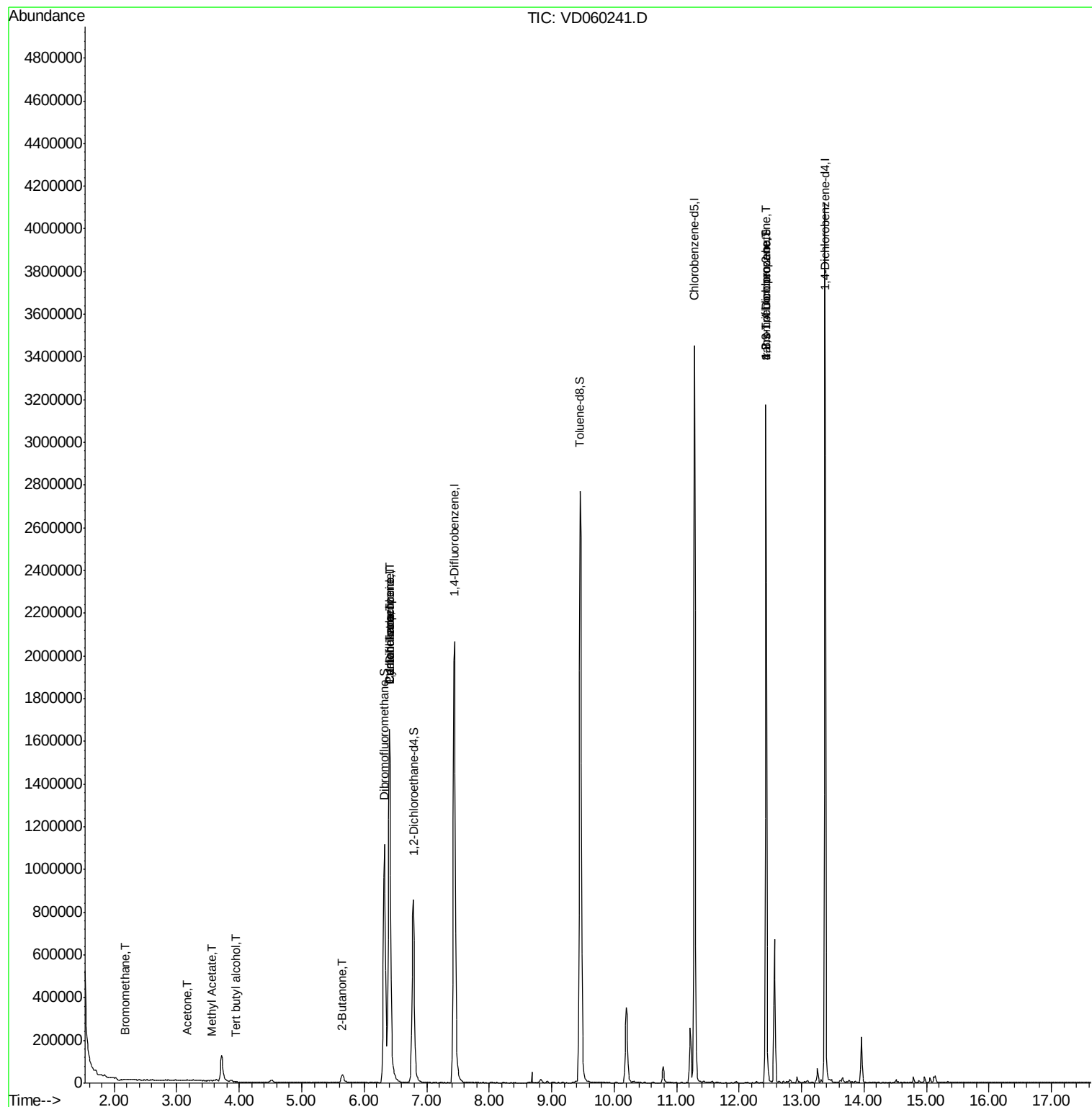
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.16	94	3282	2.300	ug/l #	46
11) Tert butyl alcohol	3.95	59	2760	3.101	ug/l #	74
16) Acetone	3.16	43	11459	5.088	ug/l #	88
18) Methyl Acetate	3.56	43	6570	1.357	ug/l #	63
25) 2-Butanone	5.64	43	7627	1.356	ug/l #	59
31) Cyclohexane	6.40	56	30769	1.144	ug/l #	1
36) 1,1-Dichloropropene	6.40	75	113884	5.225	ug/l #	45
38) Carbon Tetrachloride	6.40	117	130310	6.588	ug/l #	15
76) 1,2,3-Trichloropropane	12.43	75	353576	25.497	ug/l #	45
81) trans-1,4-Dichloro-2-buten	12.43	75	364512	93.547	ug/l #	13

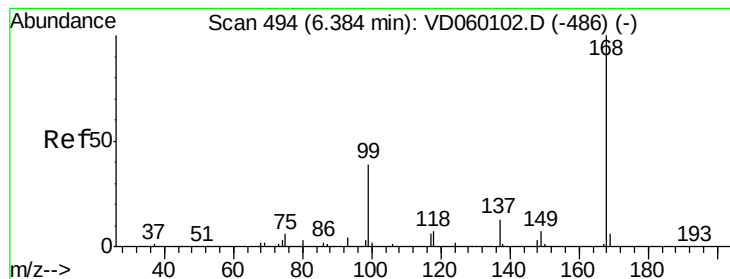
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VD060241.D
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Operator : VA/AP
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Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1031SBL01

Quant Time: Oct 31 23:52:04 2018
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Quant Title : SW846 8260
QLast Update : Tue Oct 02 06:56:35 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.40 min Scan# 496

Delta R.T. 0.02 min

Lab File: VD060241.D

Acq: 31 Oct 2018 14:49

Instrument :

MSVOA_D

ClientSampleId :

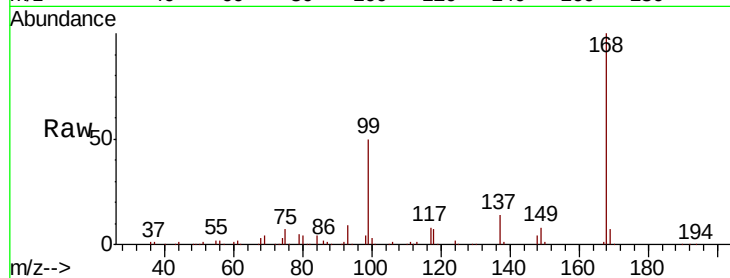
VD1031SBL01

Tot Ion:168 Resp: 1637446

Ion Ratio Lower Upper

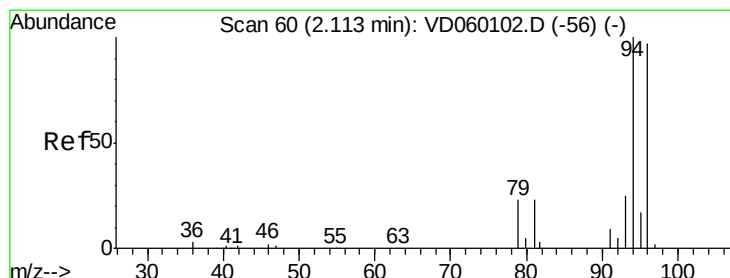
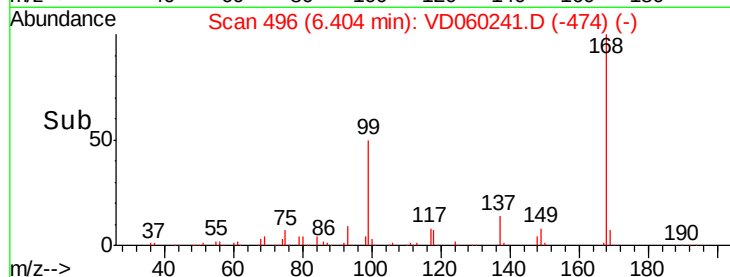
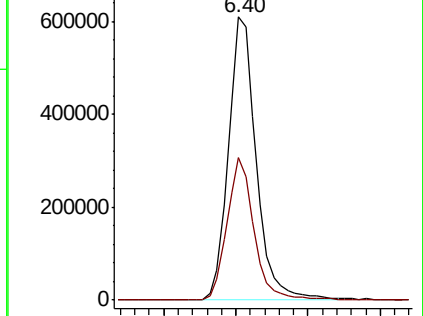
168 100

99 50.4 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: 2.300 ug/l

RT: 2.16 min Scan# 65

Delta R.T. 0.05 min

Lab File: VD060241.D

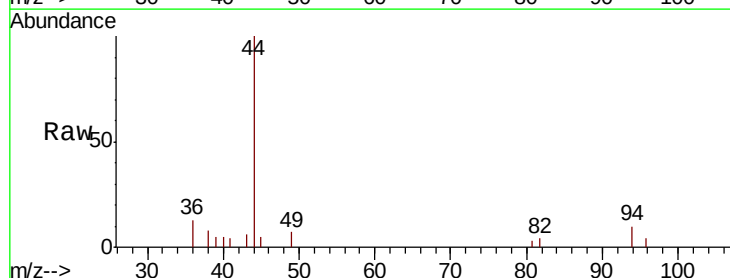
Acq: 31 Oct 2018 14:49

Tgt Ion: 94 Resp: 3282

Ion Ratio Lower Upper

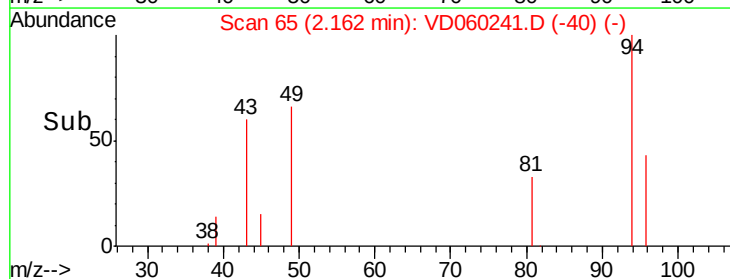
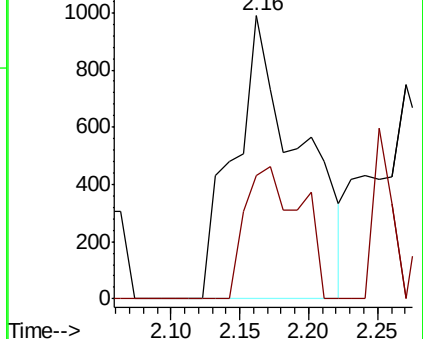
94 100

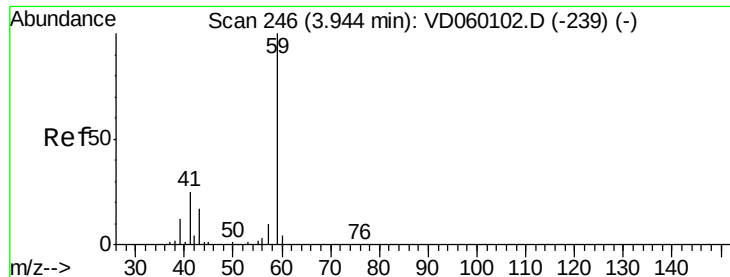
96 43.5 77.4 116.2#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



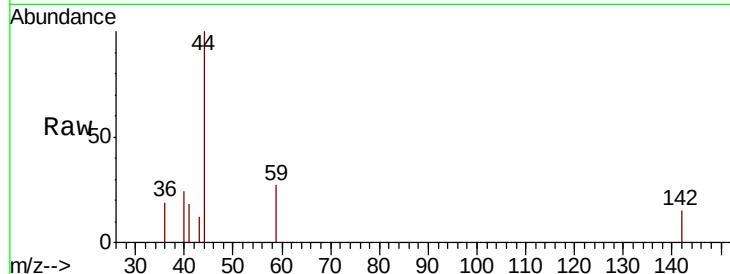


#11

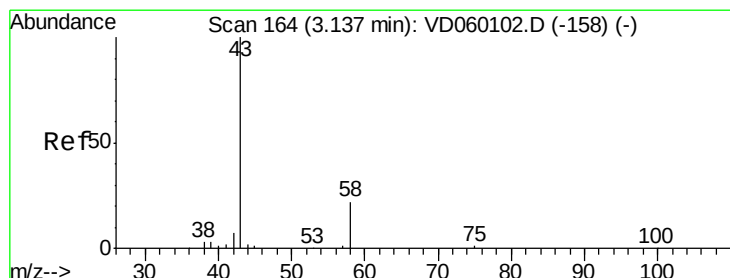
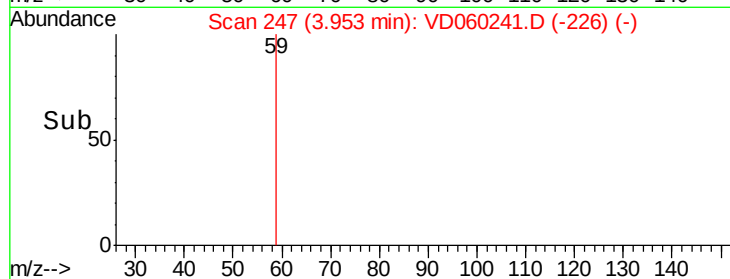
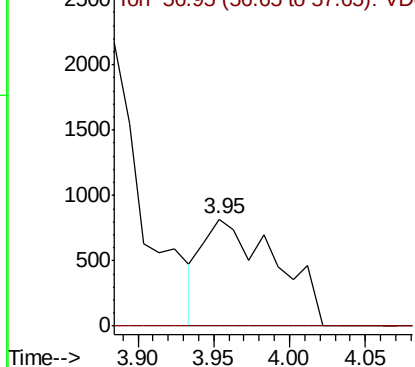
Tert butyl alcohol
 Concen: 3.101 ug/l
 RT: 3.95 min Scan# 247
 Delta R.T. 0.01 min
 Lab File: VD060241.D
 Acq: 31 Oct 2018 14:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1031SBL01

Tot Ion: 59 Resp: 2760
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.6#



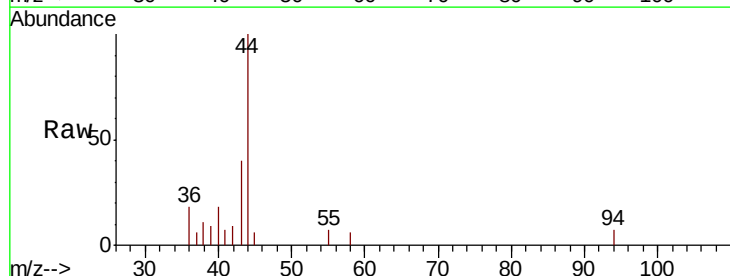
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



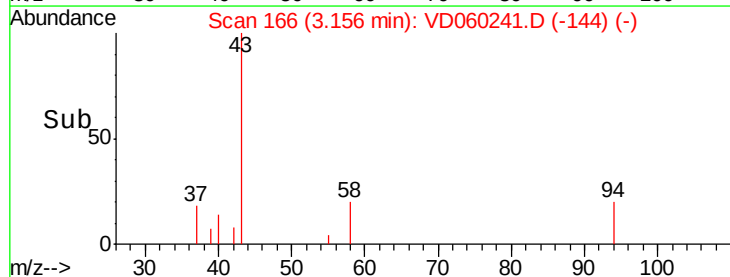
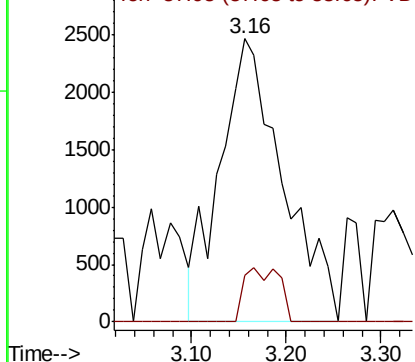
#16

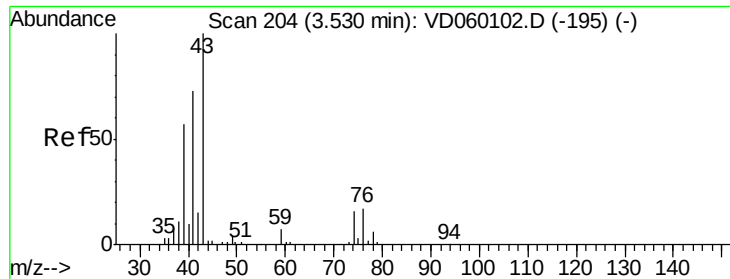
Acetone
 Concen: 5.088 ug/l
 RT: 3.16 min Scan# 166
 Delta R.T. 0.02 min
 Lab File: VD060241.D
 Acq: 31 Oct 2018 14:49

Tgt Ion: 43 Resp: 11459
 Ion Ratio Lower Upper
 43 100
 58 16.2 17.7 26.5#



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

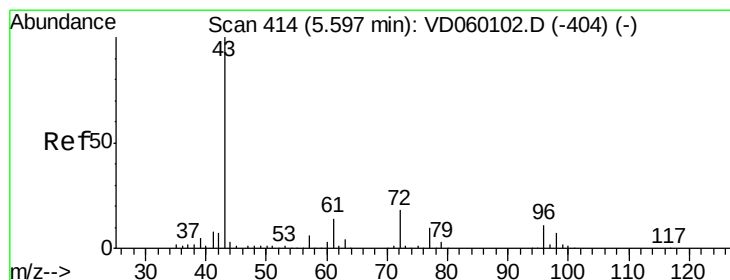
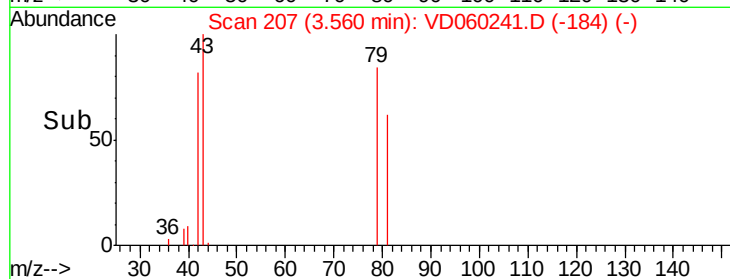
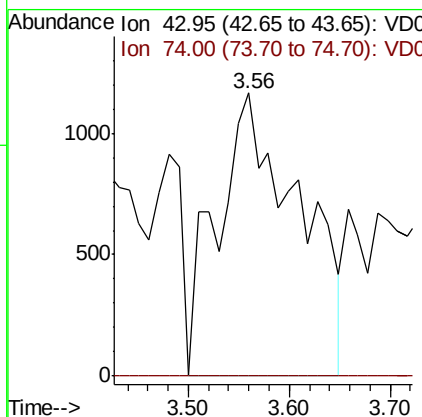
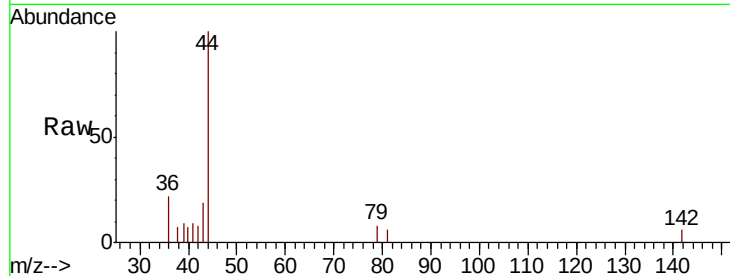




#18
Methyl Acetate
Concen: 1.357 ug/l
RT: 3.56 min Scan# 207
Delta R.T. 0.03 min
Lab File: VD060241.D
Acq: 31 Oct 2018 14:49

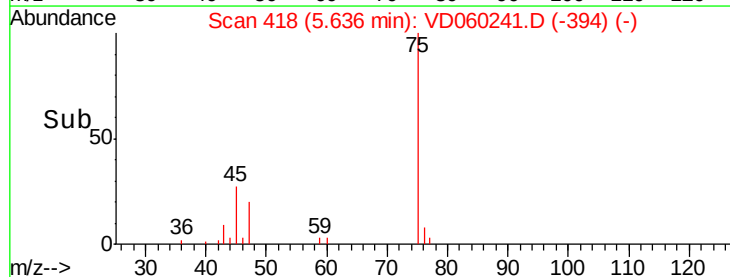
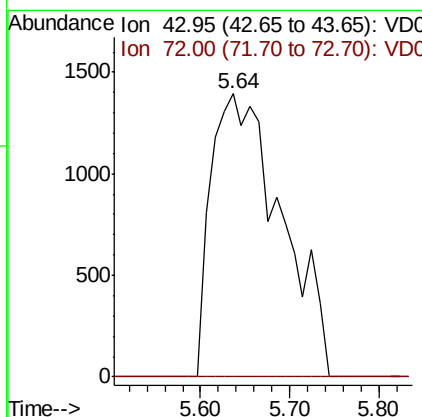
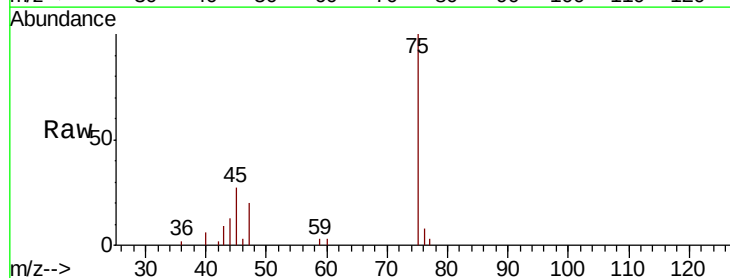
Instrument :
MSVOA_D
ClientSampleId :
VD1031SBL01

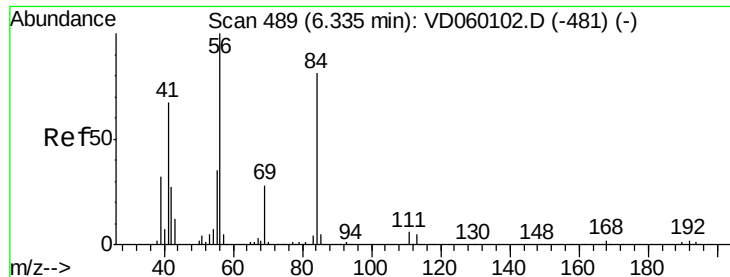
Tot Ion: 43 Resp: 6570
Ion Ratio Lower Upper
43 100
74 0.0 12.6 19.0#



#25
2-Butanone
Concen: 1.356 ug/l
RT: 5.64 min Scan# 418
Delta R.T. 0.04 min
Lab File: VD060241.D
Acq: 31 Oct 2018 14:49

Tgt Ion: 43 Resp: 7627
Ion Ratio Lower Upper
43 100
72 0.0 14.5 21.7#

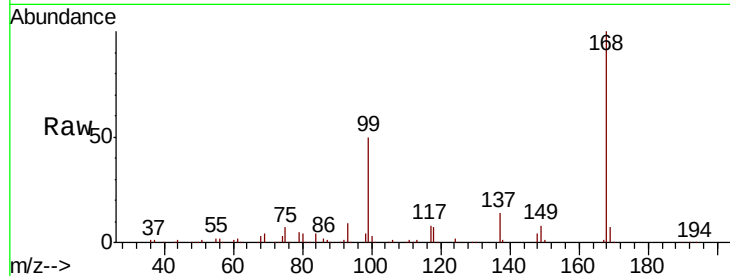




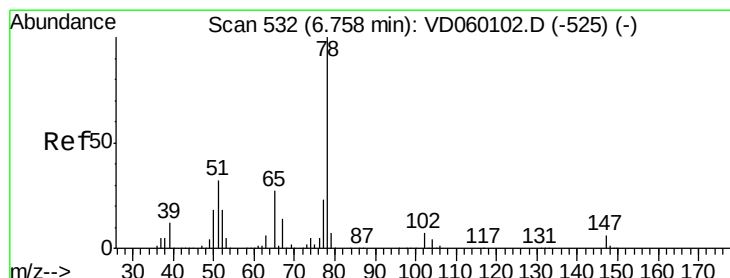
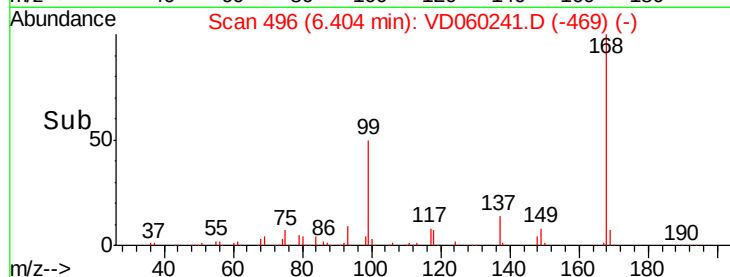
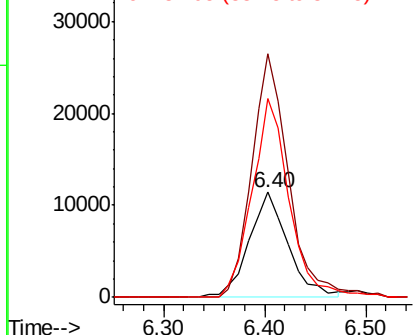
#31
Cyclohexane
Concen: 1.144 ug/l
RT: 6.40 min Scan# 496
Delta R.T. 0.07 min
Lab File: VD060241.D
Acq: 31 Oct 2018 14:49

Instrument :
MSVOA_D
ClientSampleId :
VD1031SBL01

Tot Ion: 56 Resp: 30769
Ion Ratio Lower Upper
56 100
69 231.8 22.8 34.2#
84 189.3 64.9 97.3#

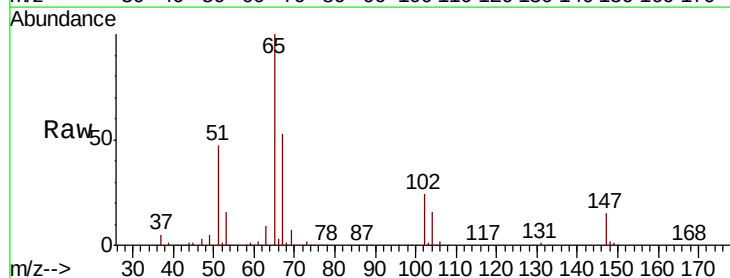


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

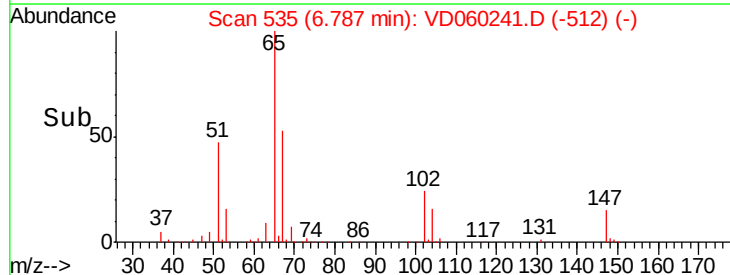
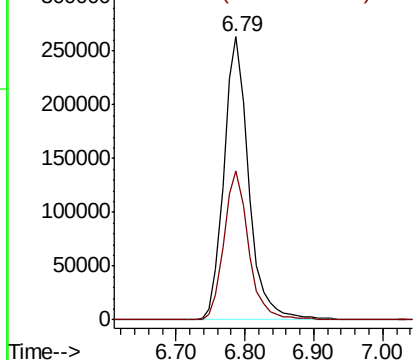


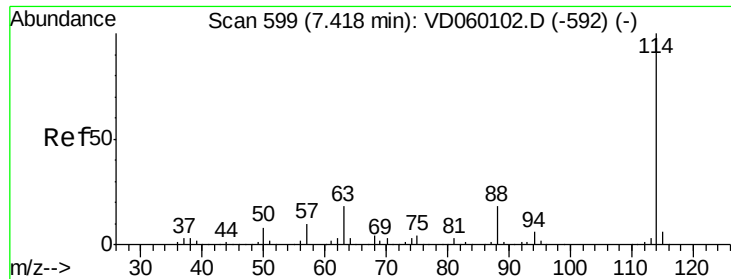
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.79 min Scan# 535
Delta R.T. 0.03 min
Lab File: VD060241.D
Acq: 31 Oct 2018 14:49

Tgt Ion: 65 Resp: 656756
Ion Ratio Lower Upper
65 100
67 52.8 0.0 106.2



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

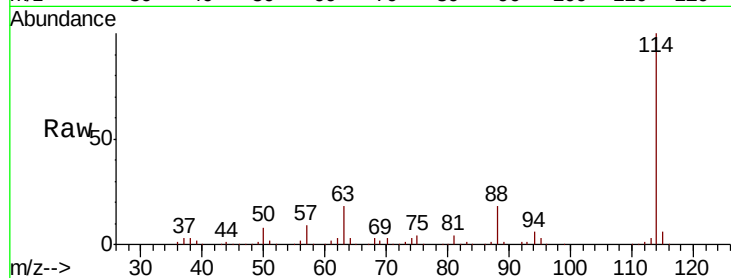




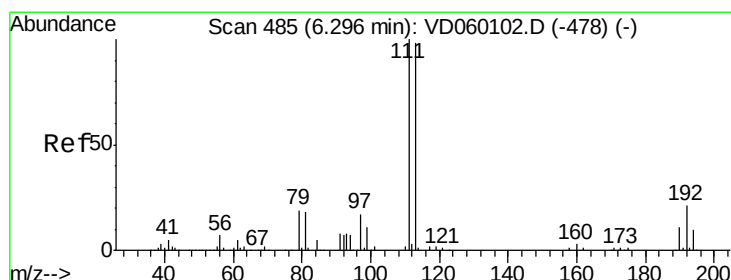
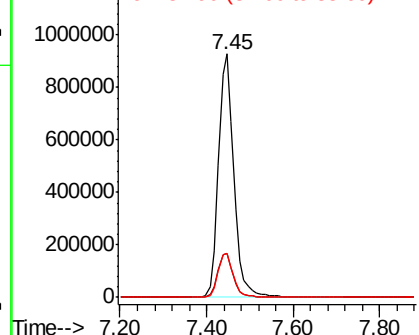
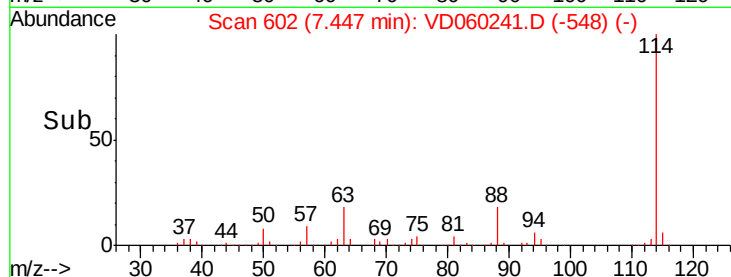
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.45 min Scan# 602
 Delta R.T. 0.03 min
 Lab File: VD060241.D
 Acq: 31 Oct 2018 14:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1031SBL01

Tot Ion:114 Resp: 2280713
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 36.0
 88 18.3 0.0 36.2

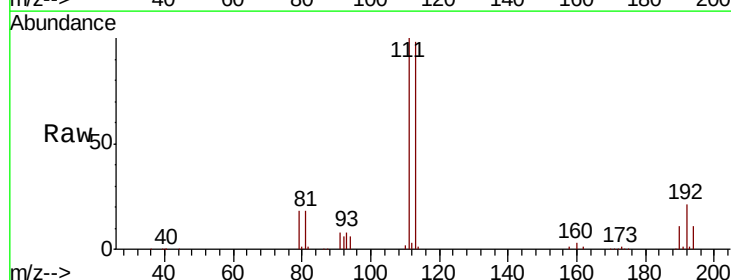


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

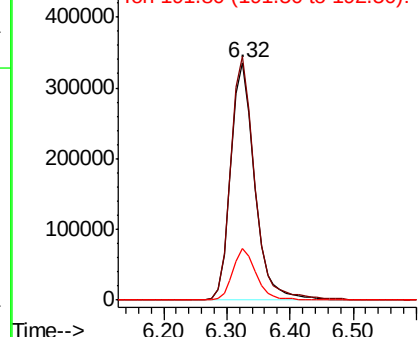
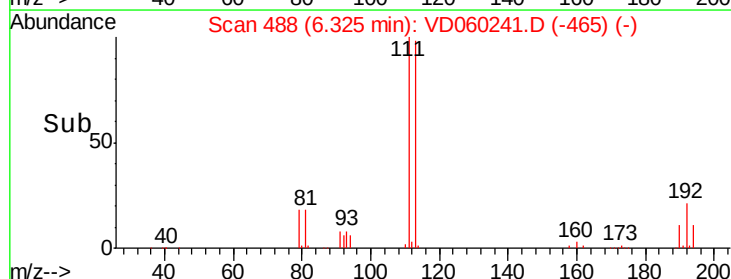


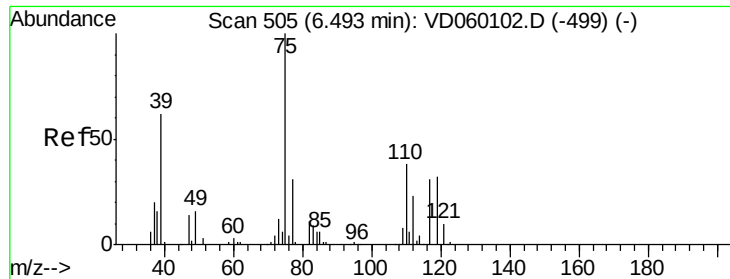
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.32 min Scan# 488
 Delta R.T. 0.03 min
 Lab File: VD060241.D
 Acq: 31 Oct 2018 14:49

Tgt Ion:113 Resp: 880756
 Ion Ratio Lower Upper
 113 100
 111 102.5 81.5 122.3
 192 21.5 17.4 26.0



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

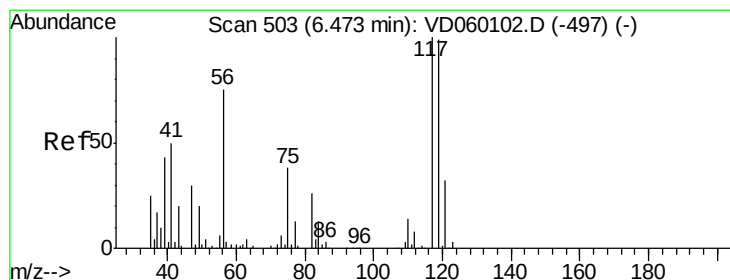
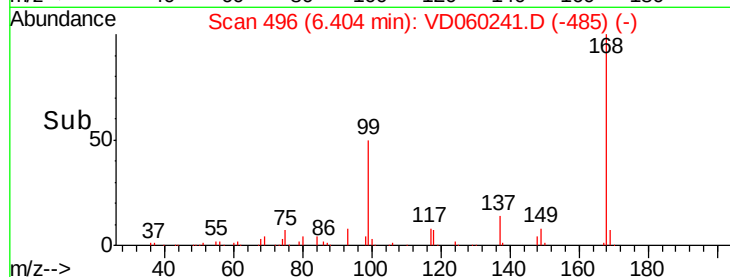
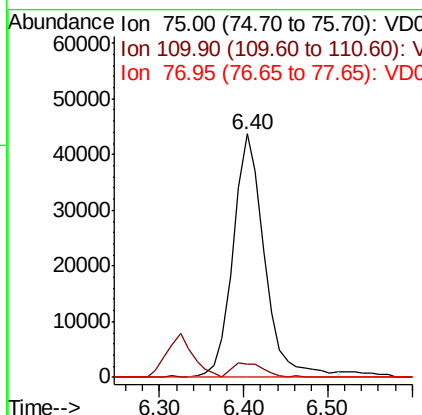
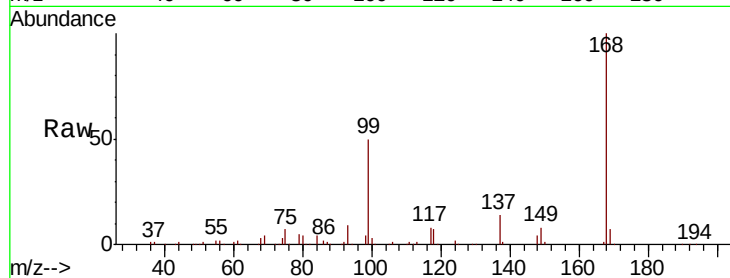




#36
 1,1-Dichloropropene
 Concen: 5.225 ug/l
 RT: 6.40 min Scan# 496
 Delta R.T. -0.09 min
 Lab File: VD060241.D
 Acq: 31 Oct 2018 14:49

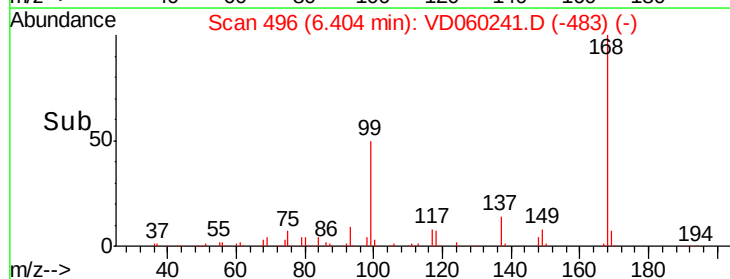
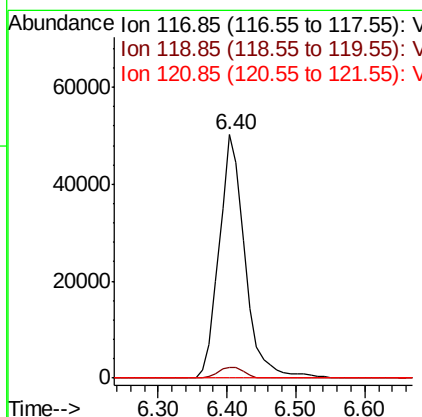
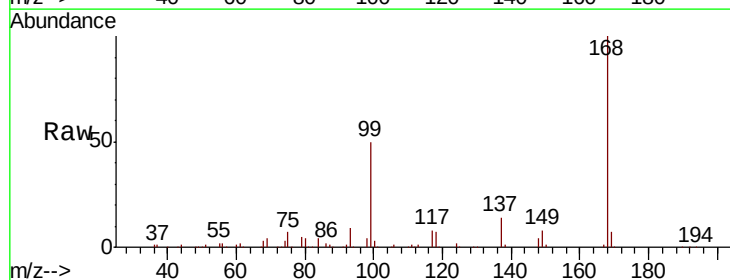
Instrument :
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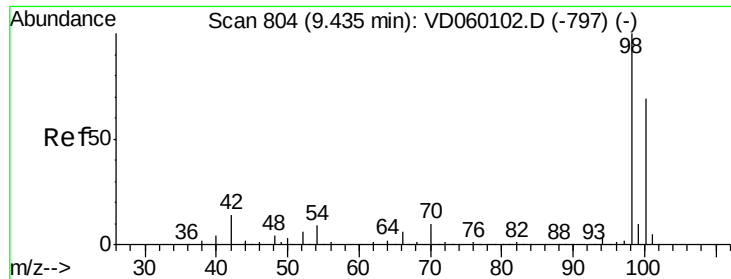
Tot Ion	75	Resp	113884
Ion Ratio	100	Lower	Upper
75	100		
110	5.4	19.0	57.0#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 6.588 ug/l
 RT: 6.40 min Scan# 496
 Delta R.T. -0.07 min
 Lab File: VD060241.D
 Acq: 31 Oct 2018 14:49

Tgt Ion	117	Resp	130310
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	4.5	77.8	116.6#
121	0.0	24.8	37.2#

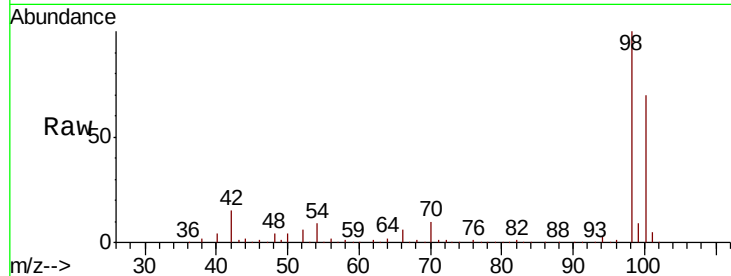




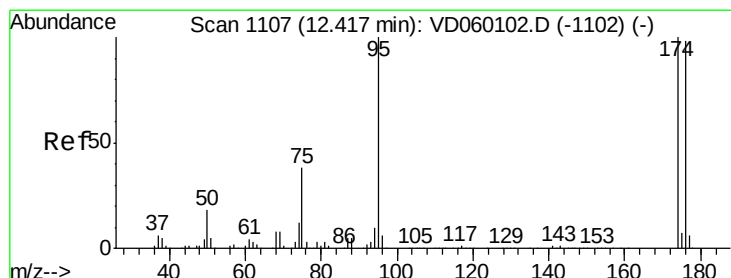
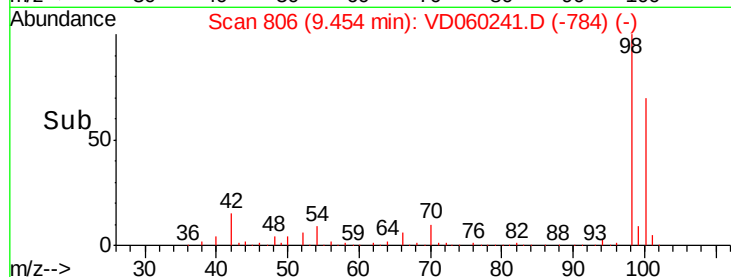
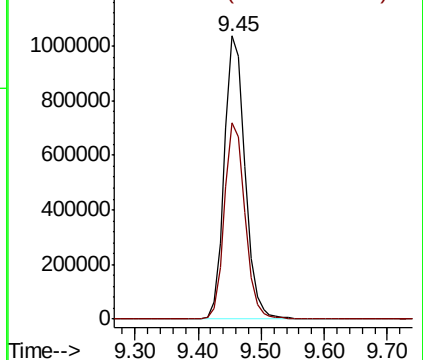
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.45 min Scan# 806
Delta R.T. 0.02 min
Lab File: VD060241.D
Acq: 31 Oct 2018 14:49

Instrument :
MSVOA_D
ClientSampleId :
VD1031SBL01

Tot Ion: 98 Resp: 2365629
Ion Ratio Lower Upper
98 100
100 69.5 55.4 83.0

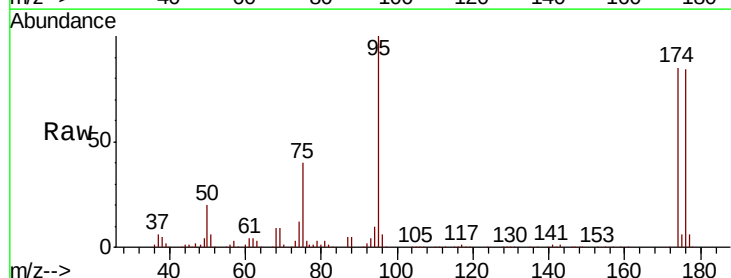


Abundance Ion 98.05 (97.75 to 98.75): VD060102.D (-797) (-)
Ion 100.05 (99.75 to 100.75): VD060102.D (-797) (-)

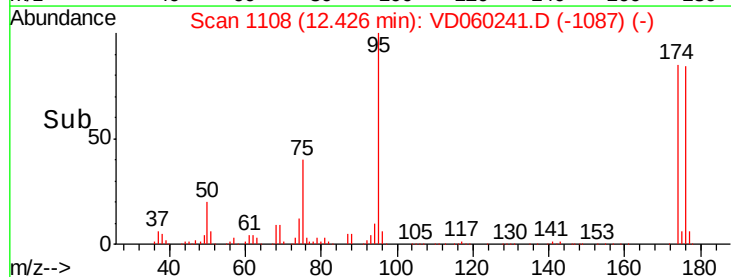
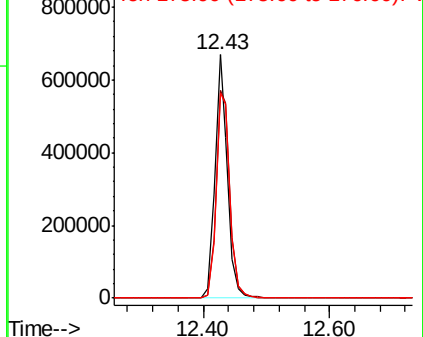


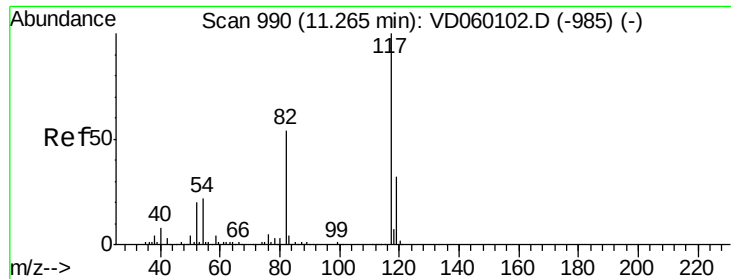
#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.43 min Scan# 1108
Delta R.T. 0.01 min
Lab File: VD060241.D
Acq: 31 Oct 2018 14:49

Tgt Ion: 95 Resp: 934299
Ion Ratio Lower Upper
95 100
174 85.4 0.0 200.2
176 84.1 0.0 195.6



Abundance Ion 95.00 (94.70 to 95.70): VD060102.D (-1102) (-)
Ion 173.90 (173.60 to 174.60): VD060102.D (-1102) (-)
Ion 175.90 (175.60 to 176.60): VD060102.D (-1102) (-)

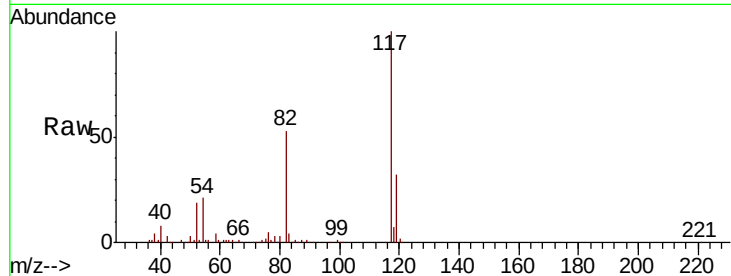




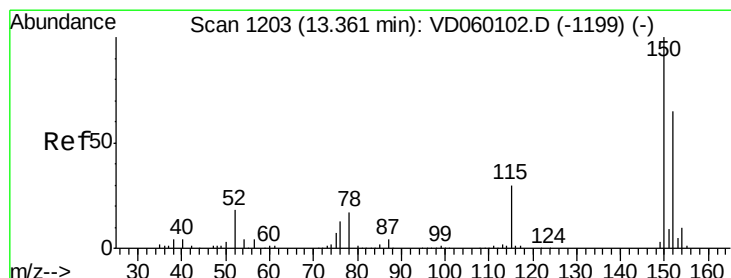
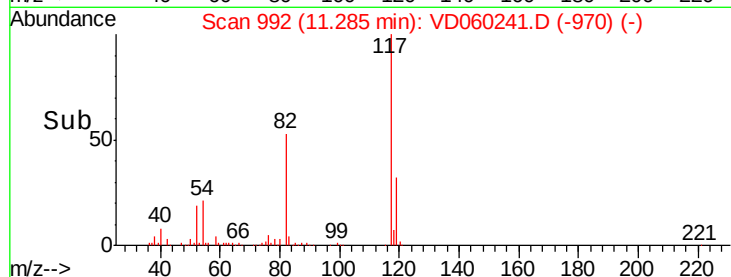
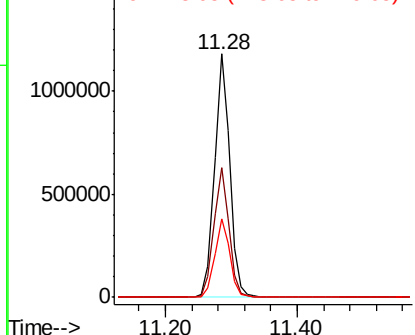
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 992
Delta R.T. 0.02 min
Lab File: VD060241.D
Acq: 31 Oct 2018 14:49

Instrument :
MSVOA_D
ClientSampleId :
VD1031SBL01

Tot Ion:117 Resp: 1864146
Ion Ratio Lower Upper
117 100
82 53.0 43.4 65.2
119 32.5 26.0 39.0

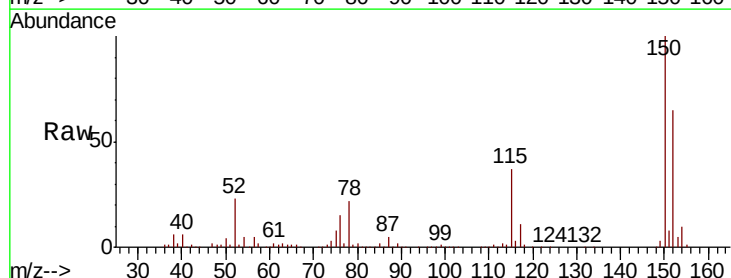


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

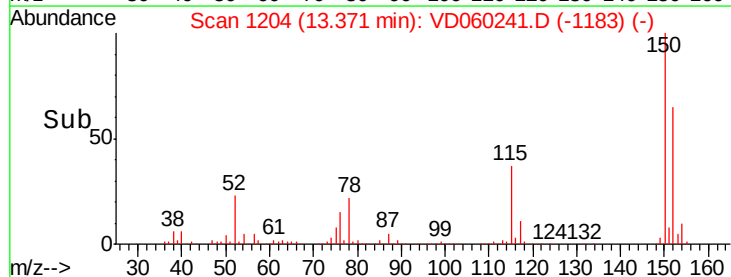
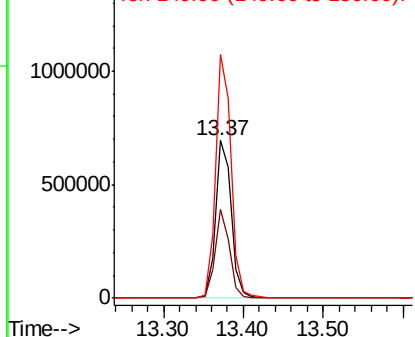


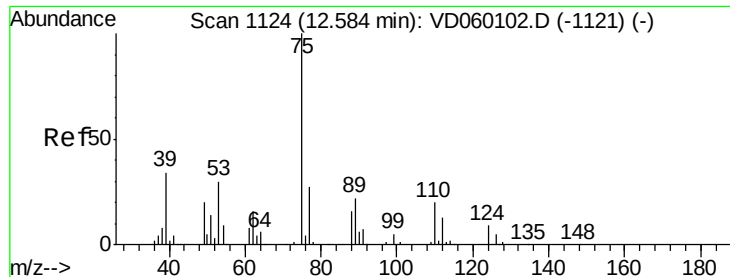
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.37 min Scan# 1204
Delta R.T. 0.01 min
Lab File: VD060241.D
Acq: 31 Oct 2018 14:49

Tgt Ion:152 Resp: 962936
Ion Ratio Lower Upper
152 100
115 56.7 27.1 81.2
150 154.5 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: 25.497 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. -0.16 min

Lab File: VD060241.D

Acq: 31 Oct 2018 14:49

Instrument :

MSVOA_D

ClientSampleId :

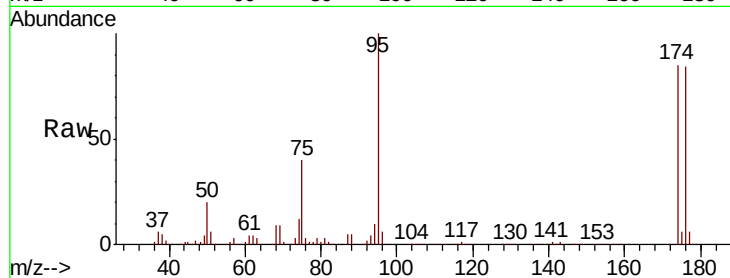
VD1031SBL01

Tot Ion: 75 Resp: 353576

Ion Ratio Lower Upper

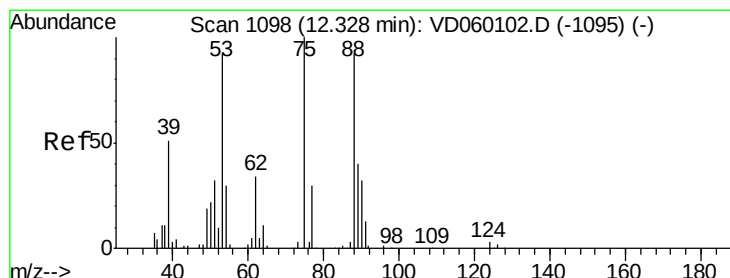
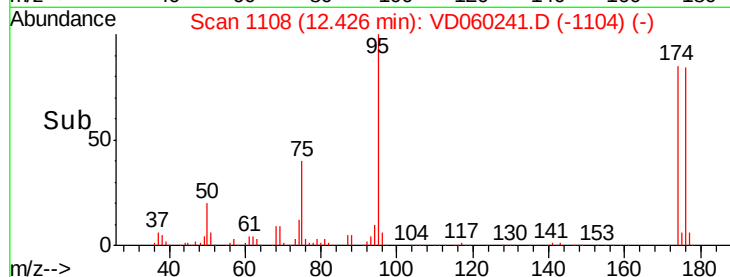
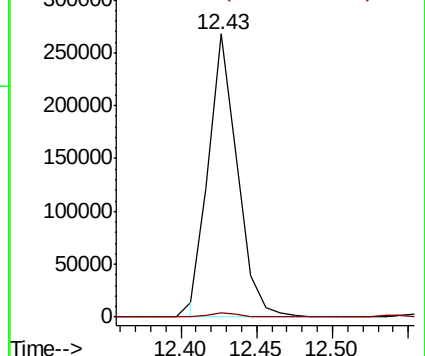
75 100

77 1.4 16.3 48.9#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 93.547 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.10 min

Lab File: VD060241.D

Acq: 31 Oct 2018 14:49

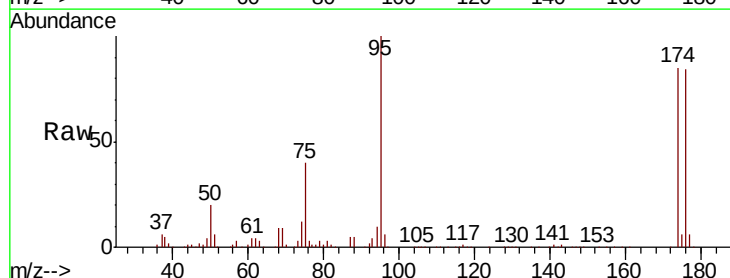
Tgt Ion: 75 Resp: 364512

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.6#

89 0.0 32.0 48.0#



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

