

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031219\
 Data File : VD061032.D
 Acq On : 12 Mar 2019 18:55
 Operator : VA/AP
 Sample : K1824-17
 Misc : 5.00µg/5ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P-3

Quant Time: Mar 13 04:09:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	515143	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	919283	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	754885	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	257717	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	244939	57.12	ug/l	0.00
Spiked Amount						
			Recovery	=	114.24%	
35) Dibromofluoromethane	6.91	113	390406	57.23	ug/l	-0.02
Spiked Amount						
			Recovery	=	114.46%	
50) Toluene-d8	10.39	98	778646	45.45	ug/l	0.00
Spiked Amount						
			Recovery	=	90.90%	
62) 4-Bromofluorobenzene	13.54	95	301372	45.34	ug/l	0.00
Spiked Amount						
			Recovery	=	90.68%	

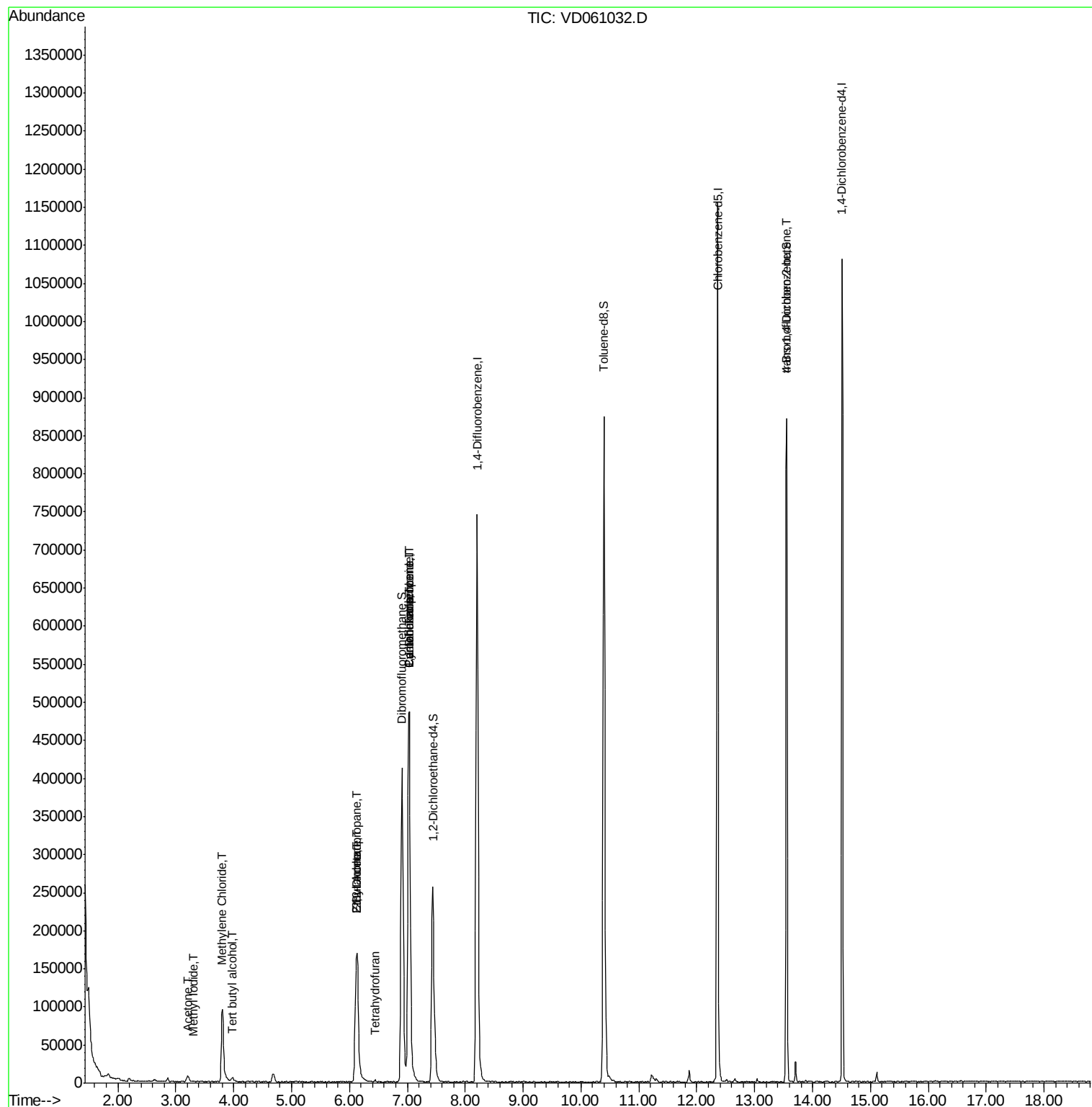
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.30	142	210	2.956	ug/l #	39
11) Tert butyl alcohol	3.98	59	7180	26.302	ug/l #	75
16) Acetone	3.21	43	16566	13.510	ug/l	99
20) Methylene Chloride	3.81	84	72449	9.148	ug/l	95
25) 2-Butanone	6.11	43	12780	9.185	ug/l #	55
26) 2,2-Dichloropropane	6.13	77	13289	1.809	ug/l #	50
29) Tetrahydrofuran	6.45	42	1482	1.962	ug/l #	68
31) Cyclohexane	7.03	56	8746	1.153	ug/l #	1
36) 1,1-Dichloropropene	7.03	75	40489	5.110	ug/l #	46
37) Ethyl Acetate	6.11	43	12780	3.437	ug/l #	8
38) Carbon Tetrachloride	7.04	117	49892	5.716	ug/l #	11
81) trans-1,4-Dichloro-2-buten	13.54	75	112325	102.757	ug/l #	17

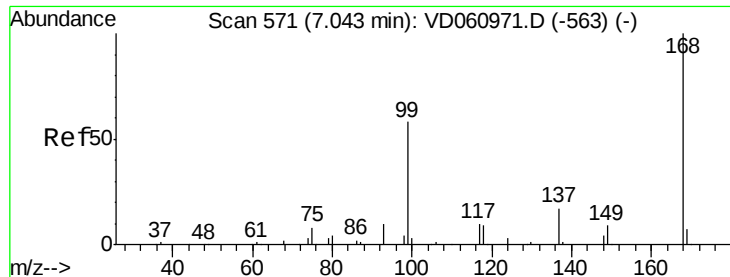
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Mar 08 02:35:39 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.01 min

Lab File: VD061032.D

Acq: 12 Mar 2019 18:55

Instrument :

MSVOA_D

ClientSampleId :

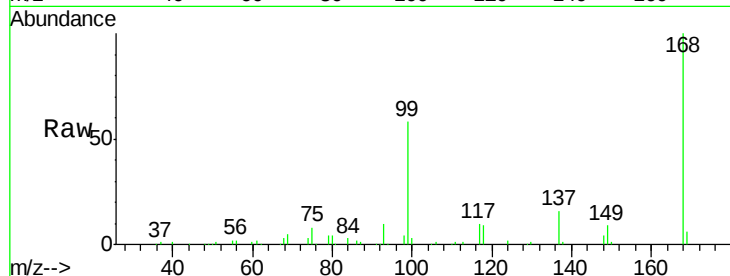
P-3

Tot Ion:168 Resp: 515143

Ion Ratio Lower Upper

168 100

99 58.4 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

7.04

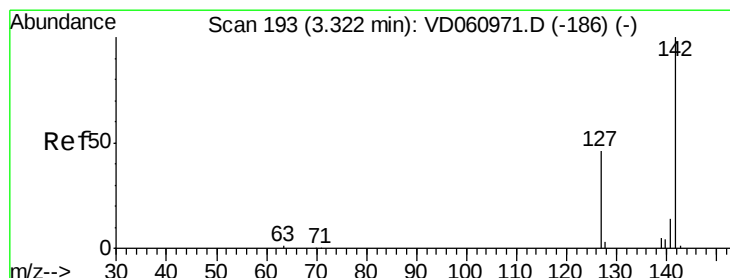
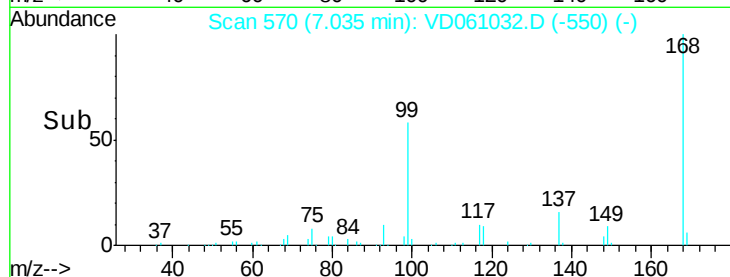
150000

100000

50000

0

Time-->



#10

Methyl Iodide

Concen: 2.956 ug/l

RT: 3.30 min Scan# 191

Delta R.T. -0.02 min

Lab File: VD061032.D

Acq: 12 Mar 2019 18:55

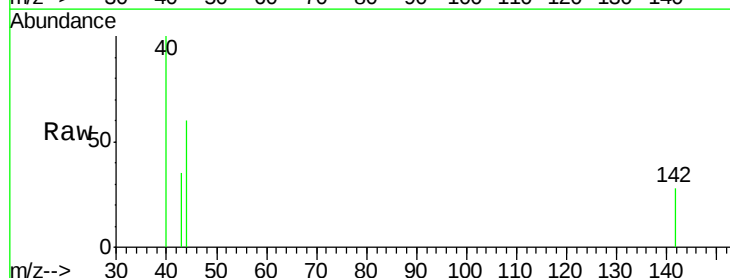
Tgt Ion:142 Resp: 210

Ion Ratio Lower Upper

142 100

127 0.0 36.8 55.2#

141 0.0 11.2 16.8#



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

3.30

400

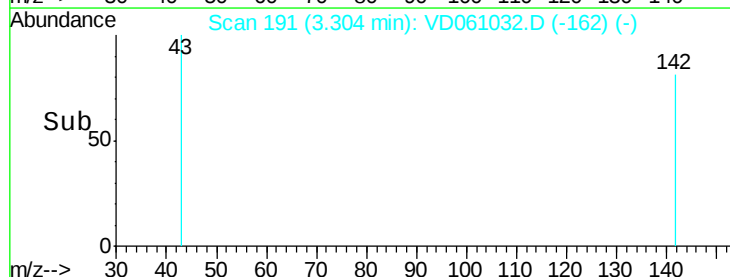
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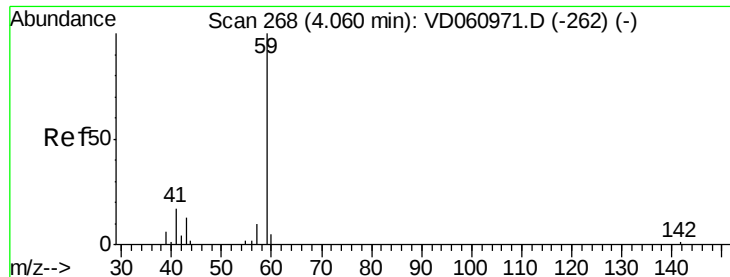
200

100

0

Time-->



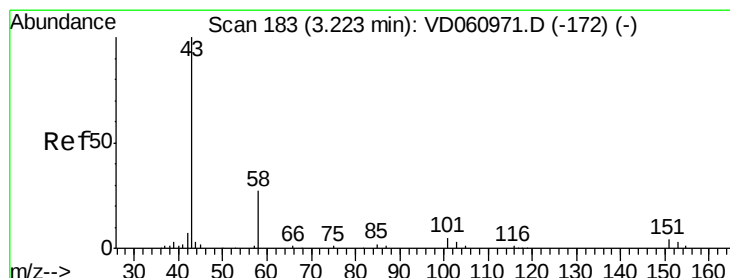
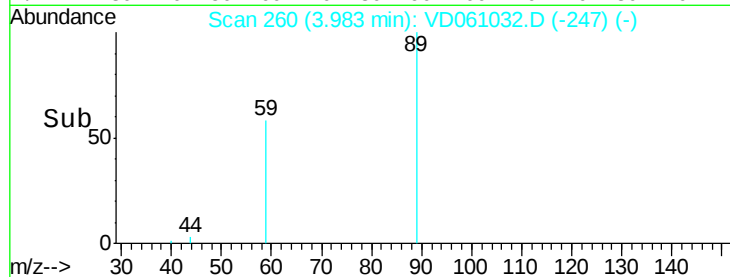
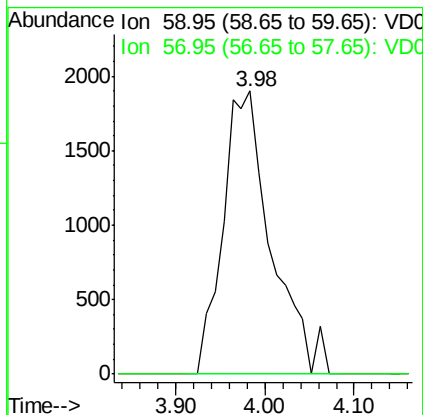
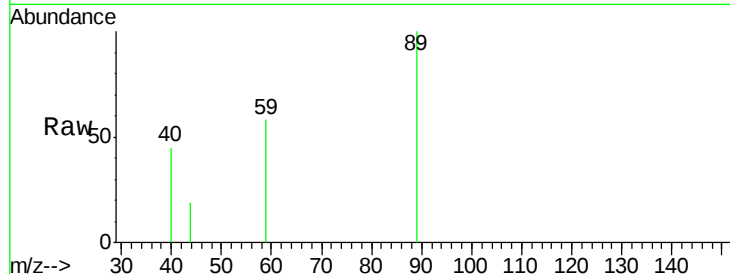


#11

Tert butyl alcohol
 Concen: 26.302 ug/l
 RT: 3.98 min Scan# 260
 Delta R.T. -0.08 min
 Lab File: VD061032.D
 Acq: 12 Mar 2019 18:55

Instrument :
 MSVOA_D
 ClientSampled :
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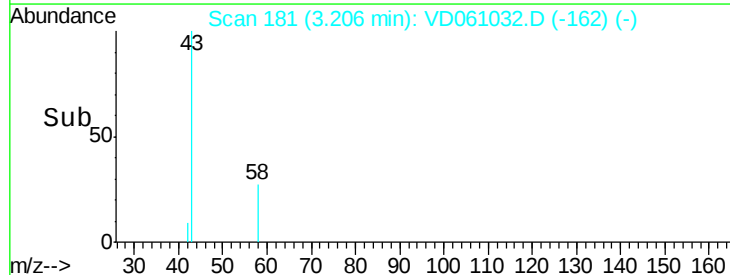
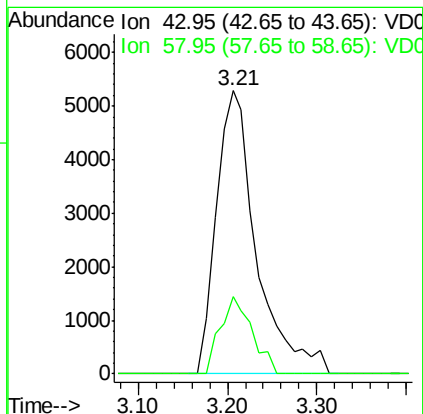
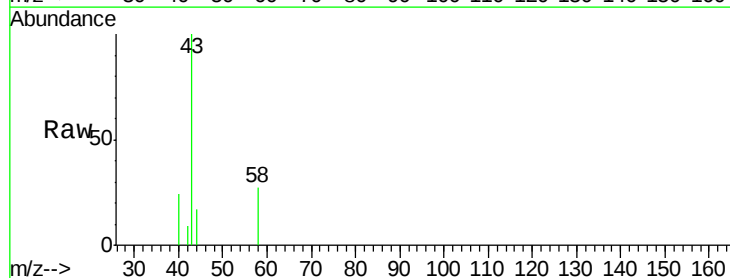
Tot Ion: 59 Resp: 7180
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.1 10.7#

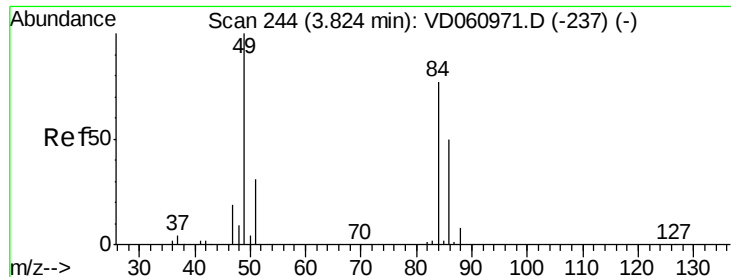


#16

Acetone
 Concen: 13.510 ug/l
 RT: 3.21 min Scan# 181
 Delta R.T. -0.02 min
 Lab File: VD061032.D
 Acq: 12 Mar 2019 18:55

Tgt Ion: 43 Resp: 16566
 Ion Ratio Lower Upper
 43 100
 58 27.3 21.6 32.4

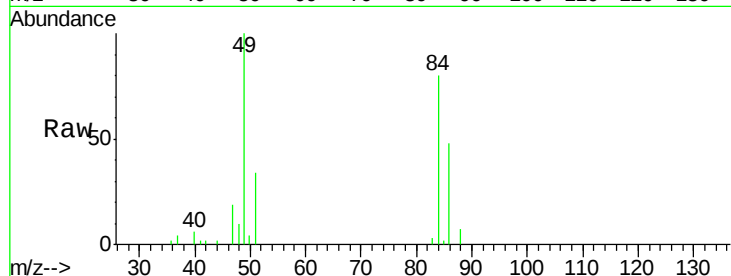




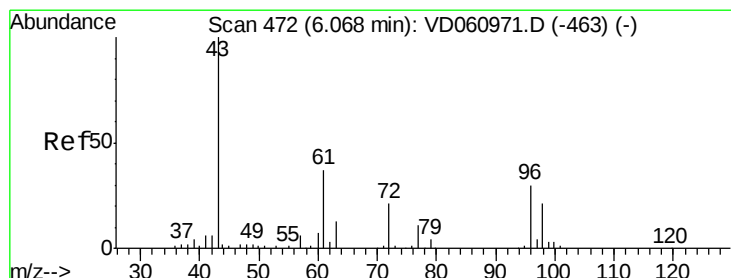
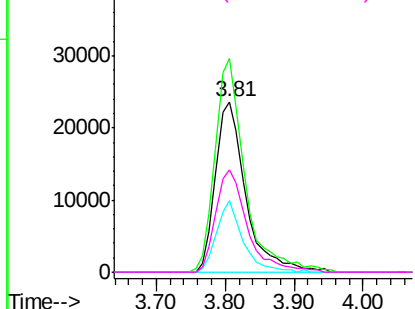
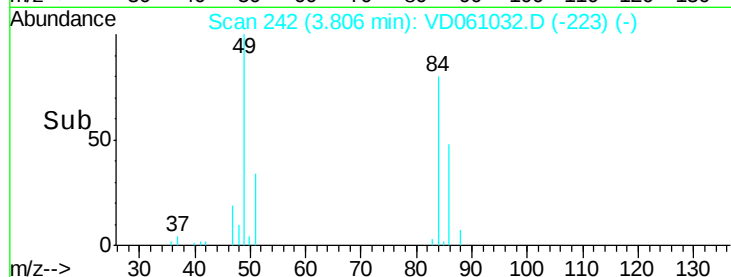
#20
Methvlene Chloride
Concen: 9.148 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.02 min
Lab File: VD061032.D
Acq: 12 Mar 2019 18:55

Instrument :
MSVOA_D
ClientSampled :
P-3

Tot Ion: 84 Resp: 72449
Ion Ratio Lower Upper
84 100
49 125.3 104.2 156.2
51 42.1 32.3 48.5
86 60.0 52.3 78.5

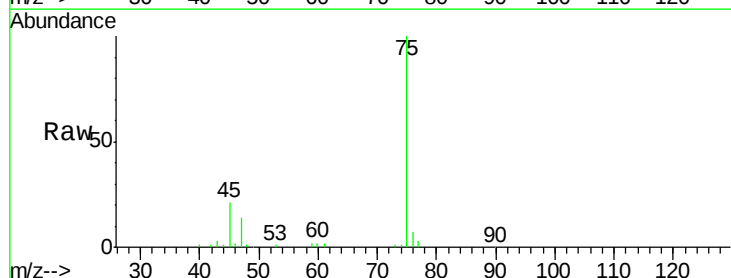


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

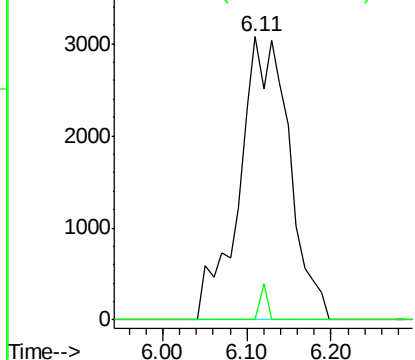
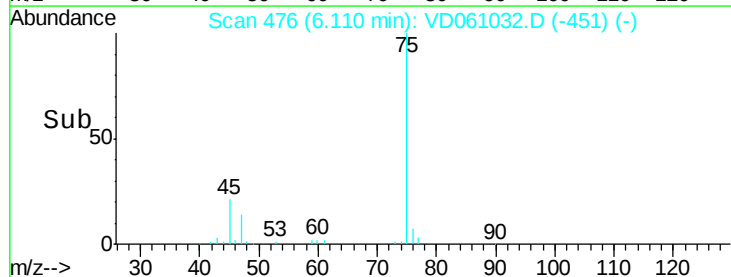


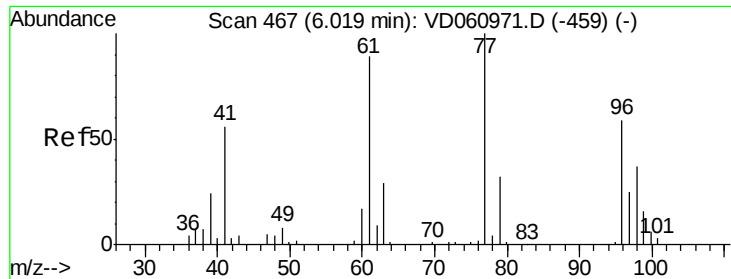
#25
2-Butanone
Concen: 9.185 ug/l
RT: 6.11 min Scan# 476
Delta R.T. 0.04 min
Lab File: VD061032.D
Acq: 12 Mar 2019 18:55

Tgt Ion: 43 Resp: 12780
Ion Ratio Lower Upper
43 100
72 0.0 16.7 25.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC





#26

2,2-Dichloropropane

Concen: 1.809 ug/l

RT: 6.13 min Scan# 478

Delta R.T. 0.11 min

Lab File: VD061032.D

Acq: 12 Mar 2019 18:55

Instrument :

MSVOA_D

ClientSampleId :

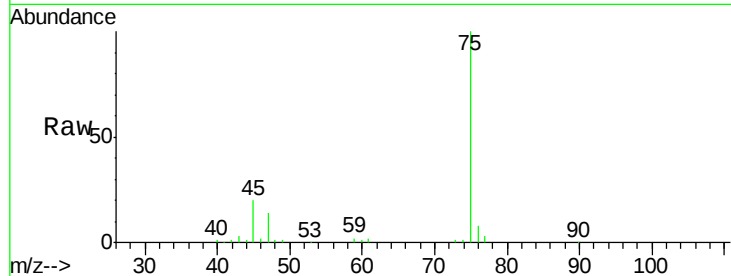
P-3

Tot Ion: 77 Resp: 13289

Ion Ratio Lower Upper

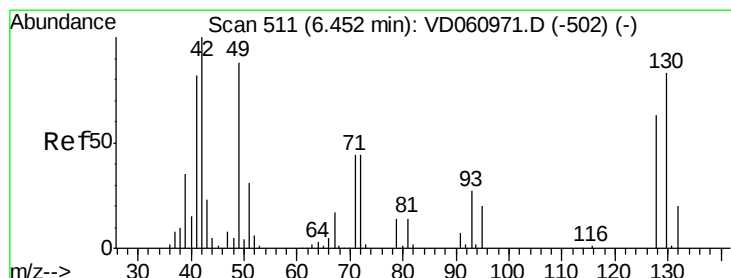
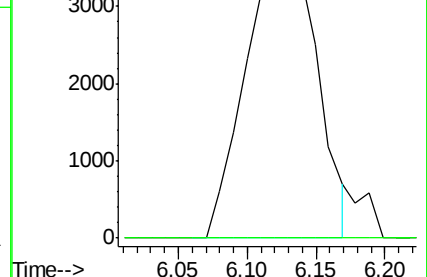
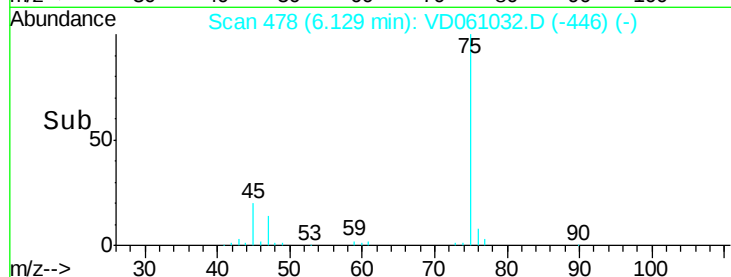
77 100

97 0.0 12.6 37.6#



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



#29

Tetrahydrofuran

Concen: 1.962 ug/l

RT: 6.45 min Scan# 511

Delta R.T. 0.00 min

Lab File: VD061032.D

Acq: 12 Mar 2019 18:55

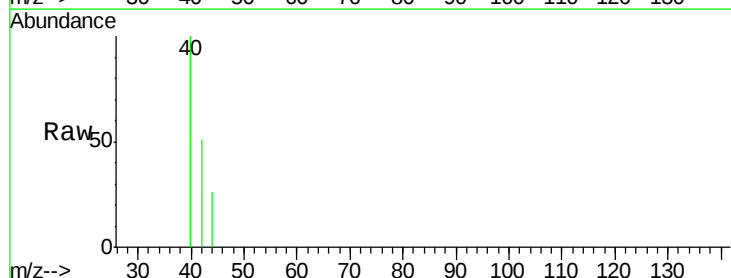
Tgt Ion: 42 Resp: 1482

Ion Ratio Lower Upper

42 100

72 16.1 34.5 51.7#

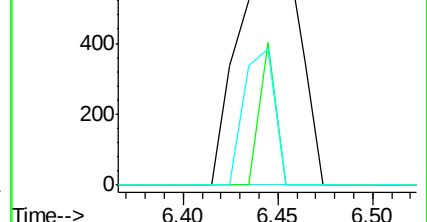
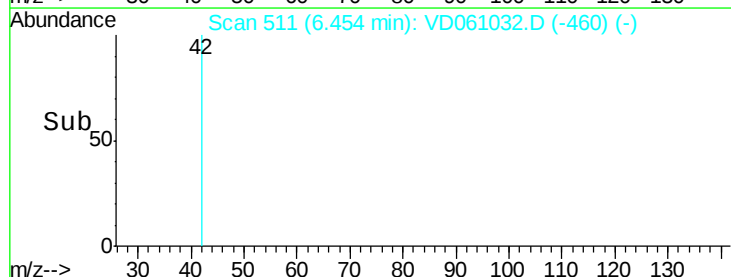
71 28.8 33.8 50.6#

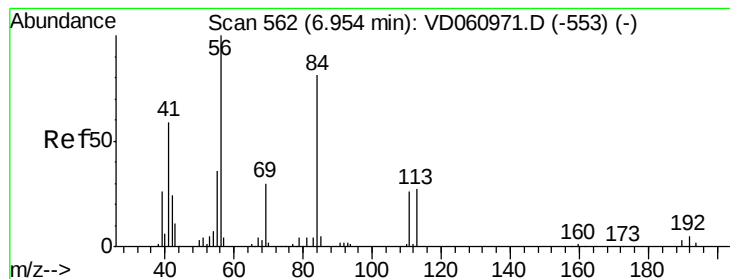


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC





#31

Cyclohexane

Concen: 1.153 ug/l

RT: 7.03 min Scan# 569

Delta R.T. 0.07 min

Lab File: VD061032.D

Acq: 12 Mar 2019 18:55

Instrument :

MSVOA_D

ClientSampleId :

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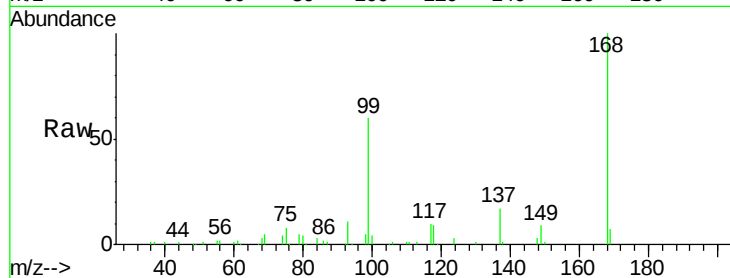
Tot Ion: 56 Resp: 8746

Ion Ratio Lower Upper

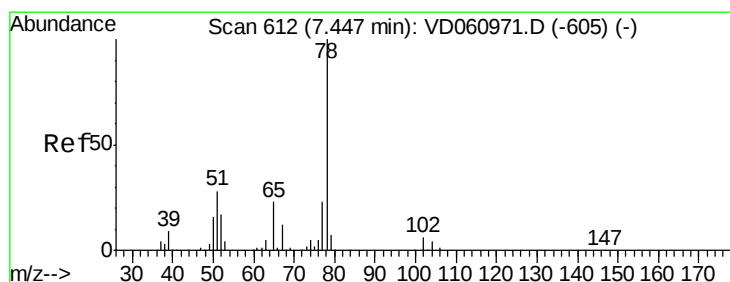
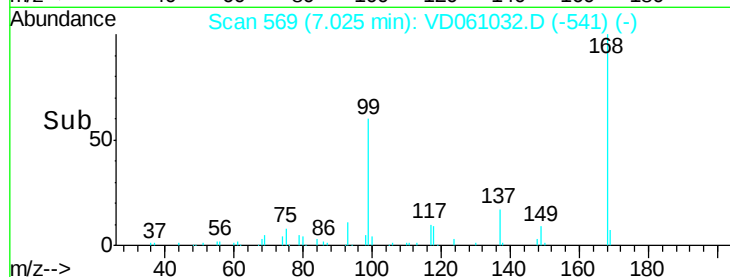
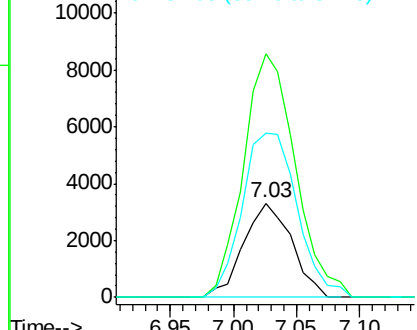
56 100

69 258.8 24.0 36.0#

84 175.0 65.8 98.6#



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: 7.44 min Scan# 611

Delta R.T. -0.01 min

Lab File: VD061032.D

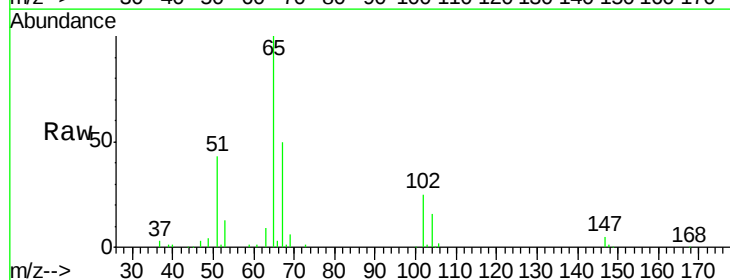
Acq: 12 Mar 2019 18:55

Tgt Ion: 65 Resp: 244939

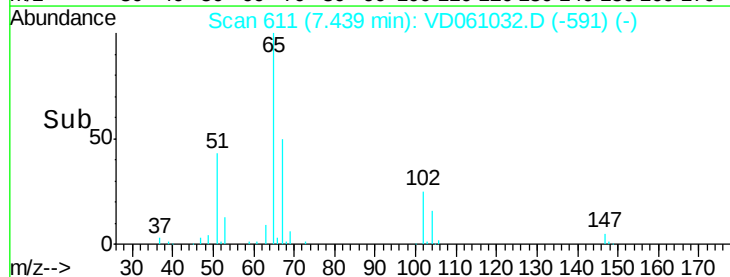
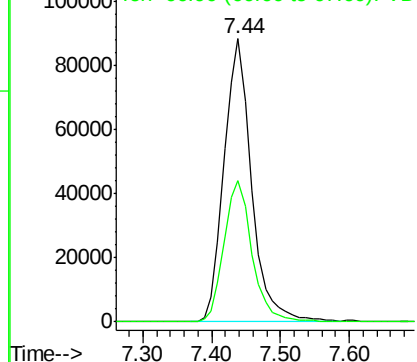
Ion Ratio Lower Upper

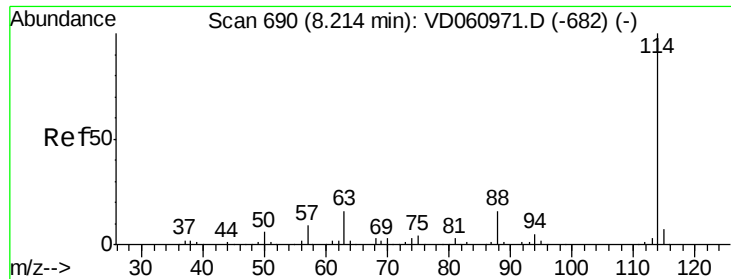
65 100

67 49.7 0.0 105.2



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

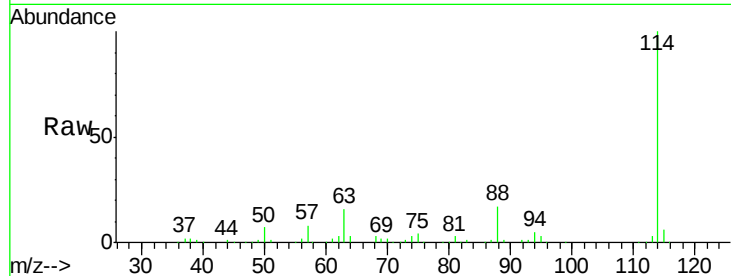




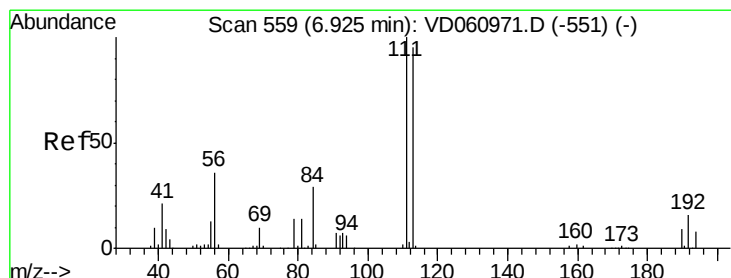
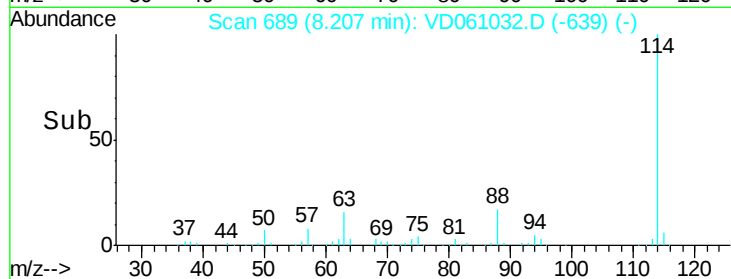
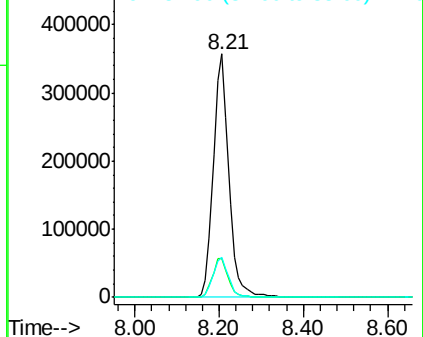
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.01 min
 Lab File: VD061032.D
 Acq: 12 Mar 2019 18:55

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Tot Ion:114 Resp: 919283
 Ion Ratio Lower Upper
 114 100
 63 15.7 0.0 31.4
 88 16.7 0.0 33.0

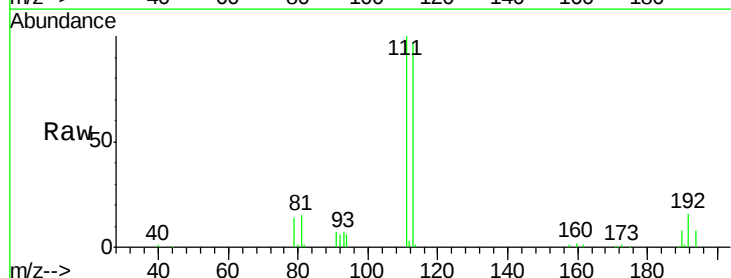


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

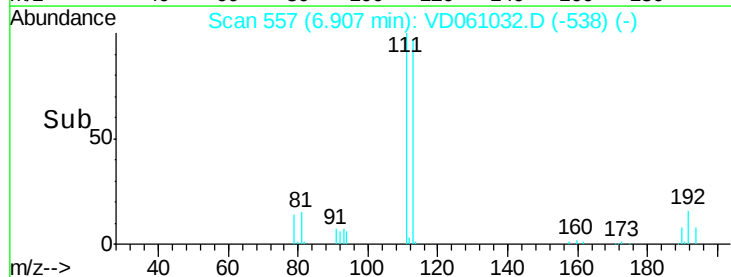
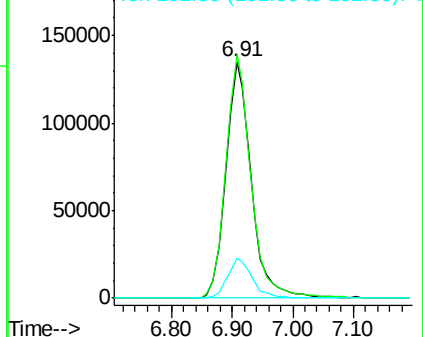


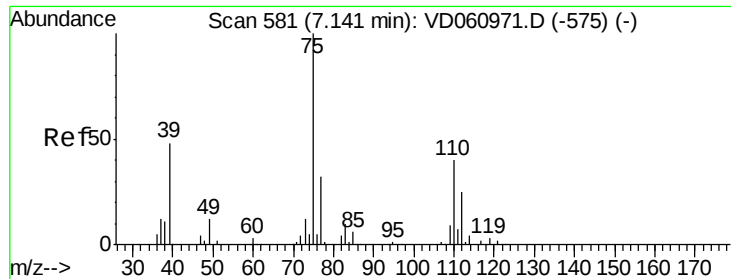
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.91 min Scan# 557
 Delta R.T. -0.02 min
 Lab File: VD061032.D
 Acq: 12 Mar 2019 18:55

Tgt Ion:113 Resp: 390406
 Ion Ratio Lower Upper
 113 100
 111 103.2 84.2 126.4
 192 16.9 13.1 19.7



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

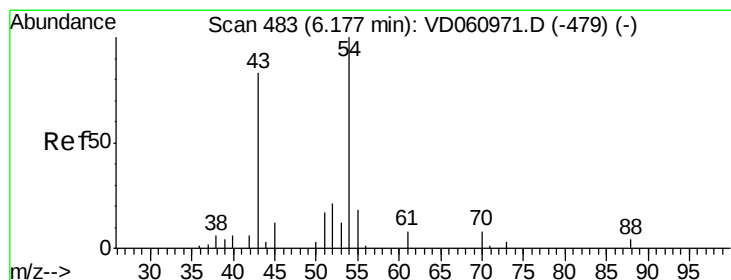
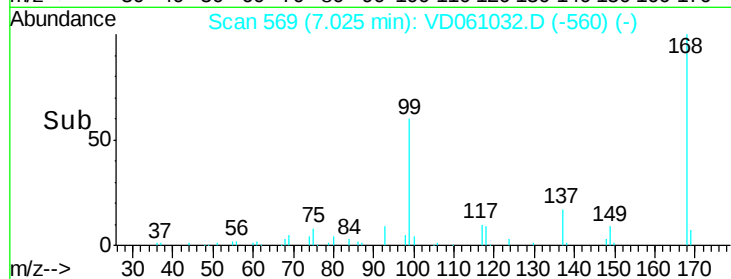
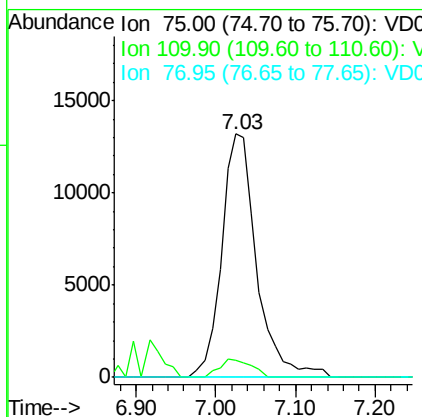
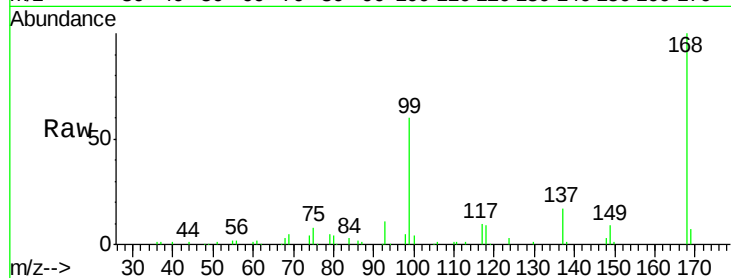




#36
 1,1-Dichloropropene
 Concen: 5.110 ug/l
 RT: 7.03 min Scan# 569
 Delta R.T. -0.12 min
 Lab File: VD061032.D
 Acq: 12 Mar 2019 18:55

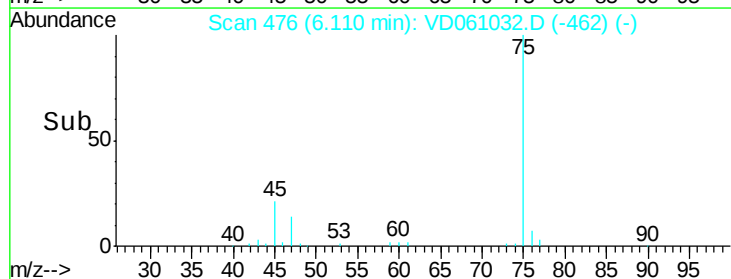
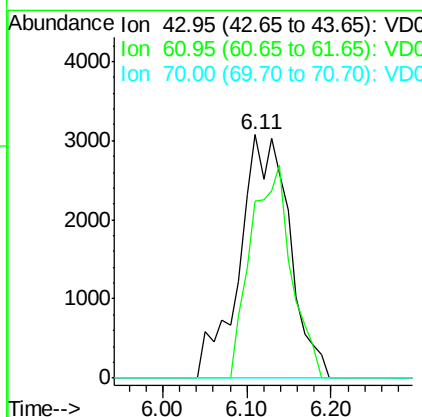
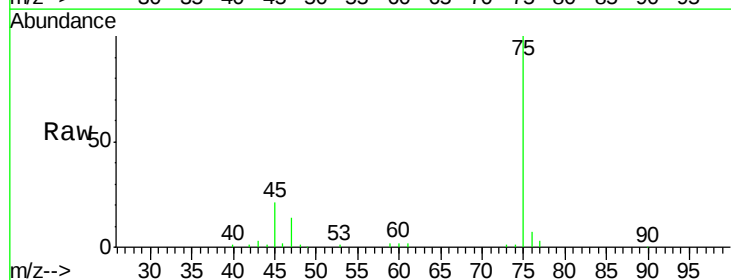
Instrument :
 MSVOA_D
 ClientSampleId :
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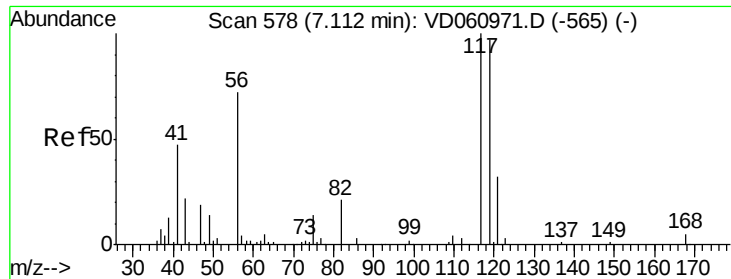
Tot Ion: 75 Resp: 40489
 Ion Ratio Lower Upper
 75 100
 110 6.9 19.7 59.1#
 77 0.0 24.7 37.1#



#37
 Ethyl Acetate
 Concen: 3.437 ug/l
 RT: 6.11 min Scan# 476
 Delta R.T. -0.07 min
 Lab File: VD061032.D
 Acq: 12 Mar 2019 18:55

Tgt Ion: 43 Resp: 12780
 Ion Ratio Lower Upper
 43 100
 61 72.6 13.7 20.5#
 70 0.0 7.1 10.7#

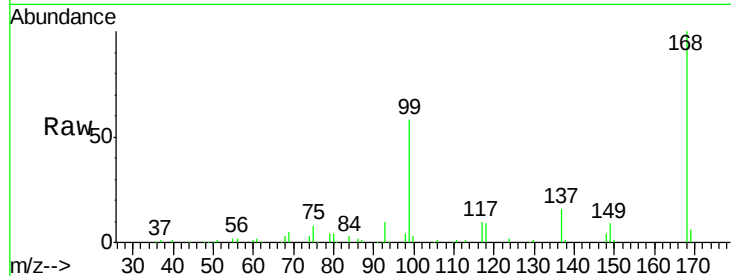




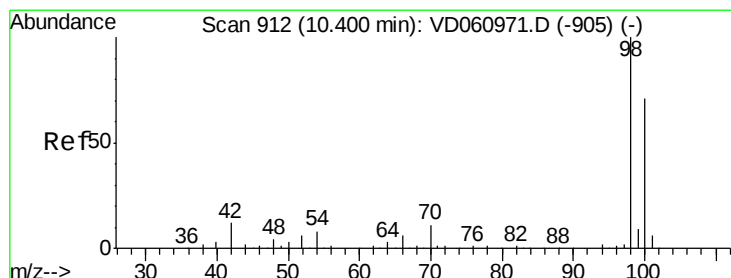
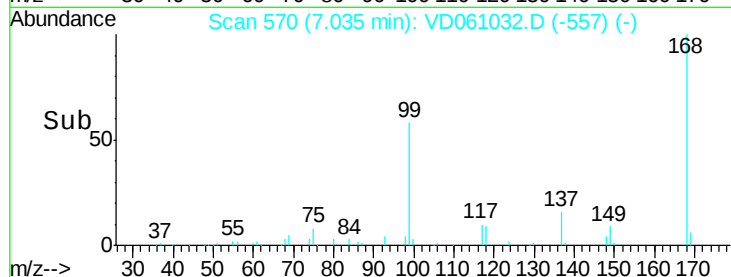
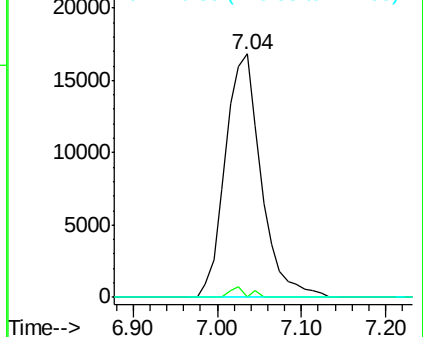
#38
Carbon Tetrachloride
Concen: 5.716 ug/l
RT: 7.04 min Scan# 570
Delta R.T. -0.08 min
Lab File: VD061032.D
Acq: 12 Mar 2019 18:55

Instrument :
MSVOA_D
ClientSampled :
P-3

Tot Ion:117 Resp: 49892
Ion Ratio Lower Upper
117 100
119 0.0 77.8 116.8#
121 0.0 25.3 37.9#

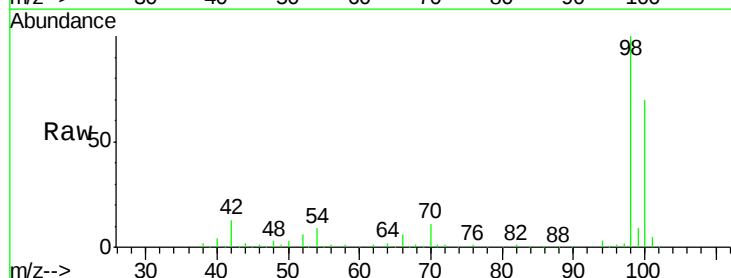


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

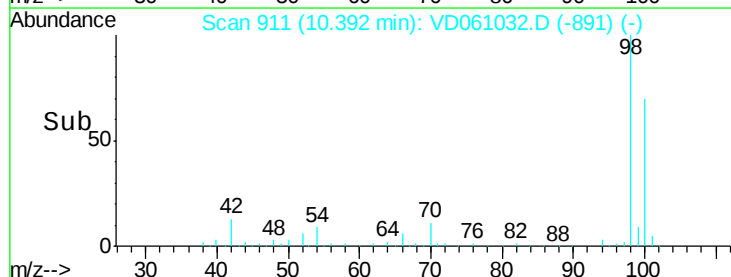
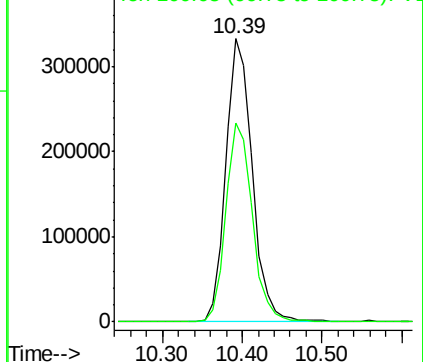


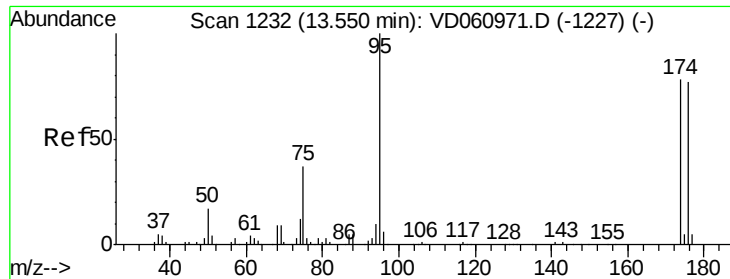
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.39 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD061032.D
Acq: 12 Mar 2019 18:55

Tgt Ion: 98 Resp: 778646
Ion Ratio Lower Upper
98 100
100 70.2 57.4 86.2



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





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.54 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD061032.D

Acq: 12 Mar 2019 18:55

Instrument :

MSVOA_D

ClientSampled :

P-3

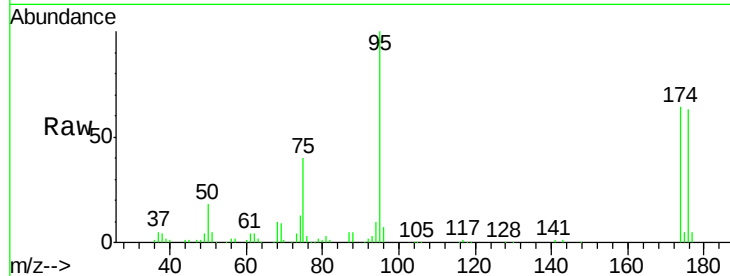
Tot Ion: 95 Resp: 301372

Ion Ratio Lower Upper

95 100

174 63.7 0.0 155.6

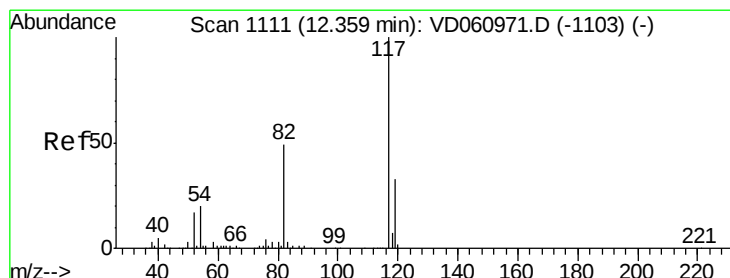
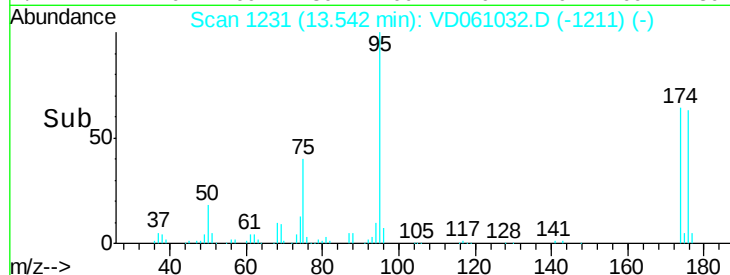
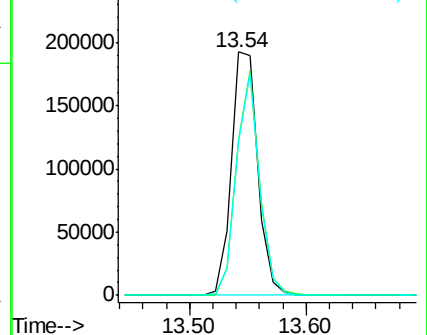
176 63.0 0.0 153.8



Abundance Ion 95.00 (94.70 to 95.70): V

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: 12.36 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD061032.D

Acq: 12 Mar 2019 18:55

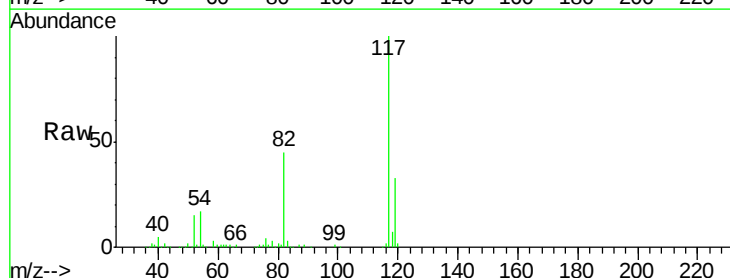
Tgt Ion: 117 Resp: 754885

Ion Ratio Lower Upper

117 100

82 45.2 38.9 58.3

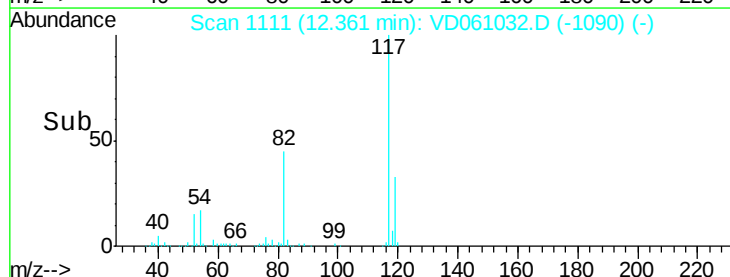
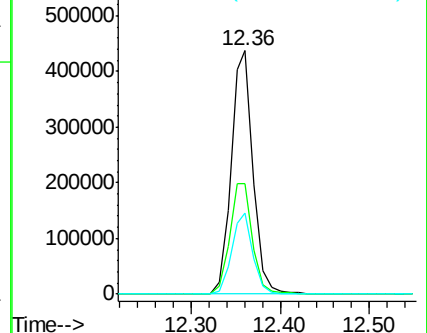
119 33.4 26.6 39.8

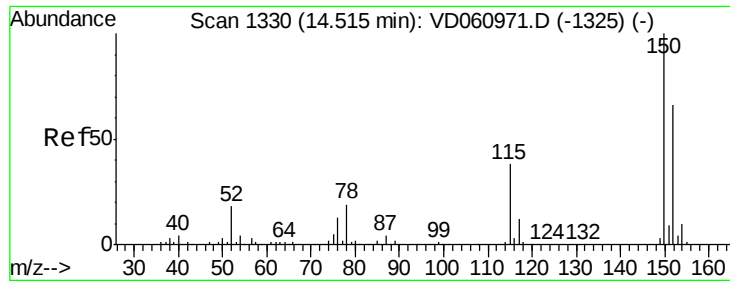


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



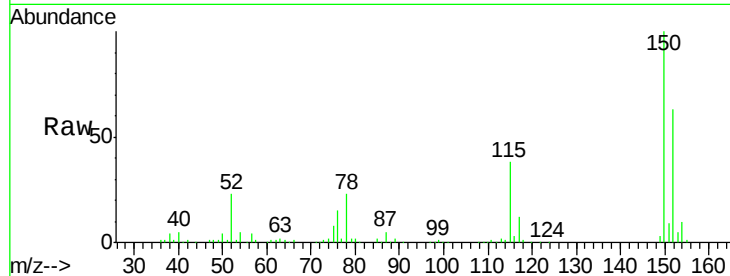


#72

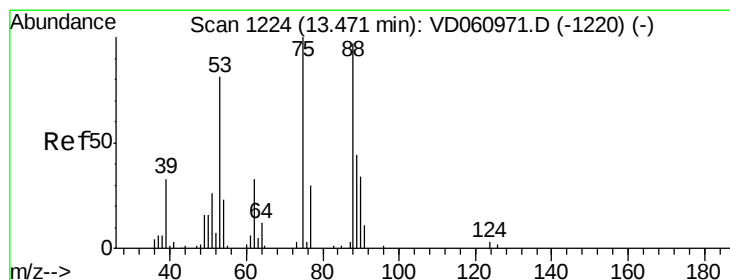
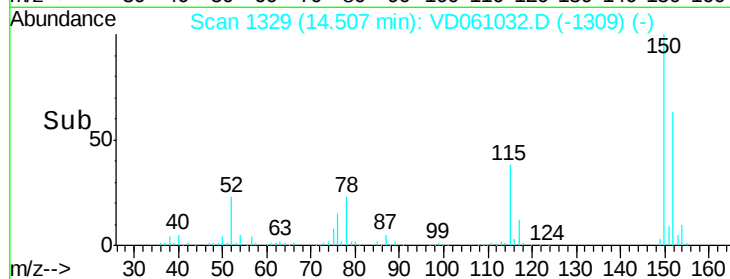
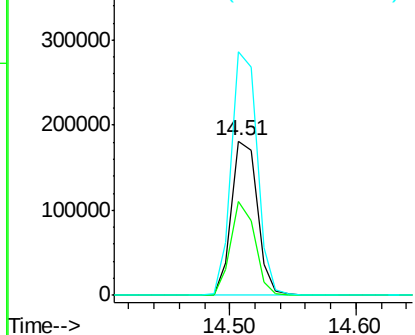
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD061032.D
Acq: 12 Mar 2019 18:55

Instrument :
MSVOA_D
ClientSampleId :
P-3

Tot Ion:152 Resp: 257717
Ion Ratio Lower Upper
152 100
115 60.7 28.6 85.9
150 158.0 0.0 310.6



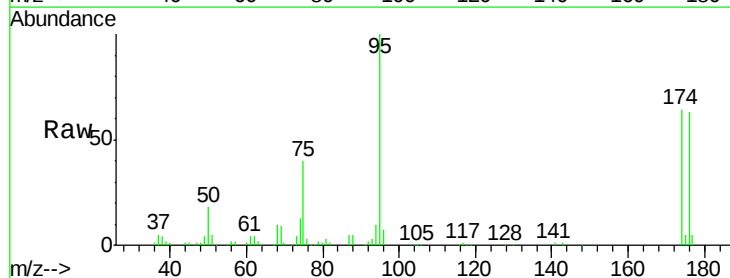
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene
Concen: 102.757 ug/l
RT: 13.54 min Scan# 1231
Delta R.T. 0.07 min
Lab File: VD061032.D
Acq: 12 Mar 2019 18:55

Tgt Ion: 75 Resp: 112325
Ion Ratio Lower Upper
75 100
53 0.0 64.4 96.6#
89 0.0 34.8 52.2#



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

