

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031519\
 Data File : VD061097.D
 Acq On : 15 Mar 2019 20:06
 Operator : VA/AP
 Sample : K1698-01
 Misc : 6.00g/5ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TR-04-031419

Quant Time: Mar 16 05:45:00 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	7.07	168	64463	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.24	114	122907	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.38	117	105661	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	49563	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.48	65	47212	87.99	ug/l	0.03
Spiked Amount			Recovery	=	175.98%	
35) Dibromofluoromethane	6.96	113	53704	58.88	ug/l	0.03
Spiked Amount			Recovery	=	117.76%	
50) Toluene-d8	10.43	98	108900	47.54	ug/l	0.03
Spiked Amount			Recovery	=	95.08%	
62) 4-Bromofluorobenzene	13.57	95	51414	57.85	ug/l	0.02
Spiked Amount			Recovery	=	115.70%	

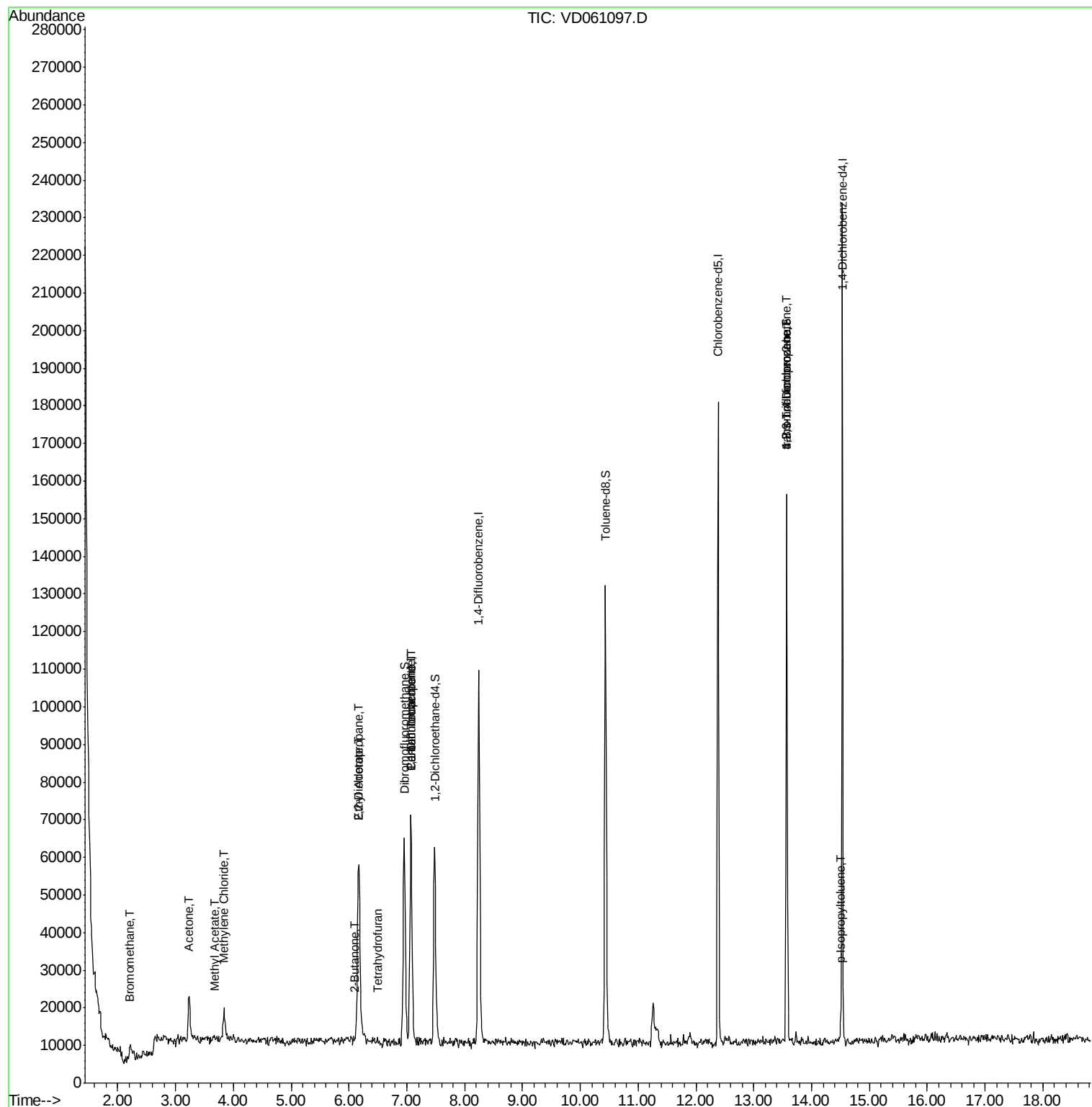
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.20	94	252	1.762	ug/l #	8
16) Acetone	3.24	43	23598	153.793	ug/l	99
18) Methyl Acetate	3.67	43	698	2.312	ug/l #	59
20) Methylene Chloride	3.85	84	5827	4.042	ug/l #	74
25) 2-Butanone	6.10	43	419	2.406	ug/l #	55
26) 2,2-Dichloropropane	6.16	77	2978	3.240	ug/l #	50
29) Tetrahydrofuran	6.49	42	221	2.338	ug/l #	33
36) 1,1-Dichloropropene	7.07	75	4009	3.784	ug/l #	39
37) Ethyl Acetate	6.16	43	2681	5.393	ug/l #	12
38) Carbon Tetrachloride	7.07	117	5587	4.787	ug/l #	11
76) 1,2,3-Trichloropropane	13.57	75	18601	26.086	ug/l #	42
81) trans-1,4-Dichloro-2-buten	13.57	75	18950	90.142	ug/l #	17
86) p-Isopropyltoluene	14.50	119	3541	1.196	ug/l	94

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
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: 7.07 min Scan# 573

Delta R.T. 0.02 min

Lab File: VD061097.D

Acq: 15 Mar 2019 20:06

Instrument :

MSVOA_D

ClientSampleId :

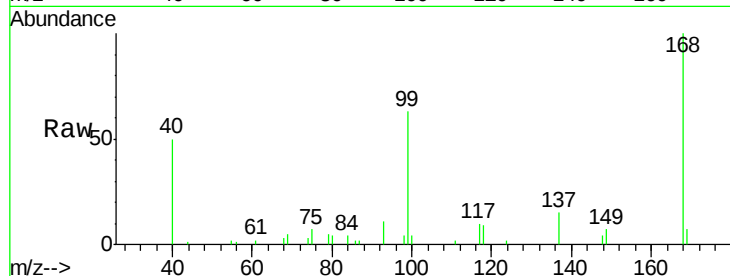
TR-04-031419

Tot Ion:168 Resp: 64463

Ion Ratio Lower Upper

168 100

99 62.8 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.07

25000

20000

15000

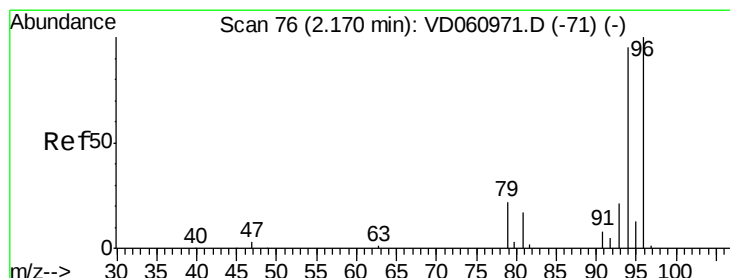
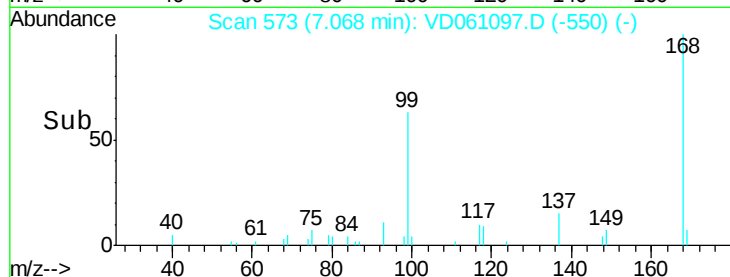
10000

5000

0

Time-->

7.00 7.10 7.20



#5

Bromomethane

Concen: 1.762 ug/l

RT: 2.20 min Scan# 79

Delta R.T. 0.04 min

Lab File: VD061097.D

Acq: 15 Mar 2019 20:06

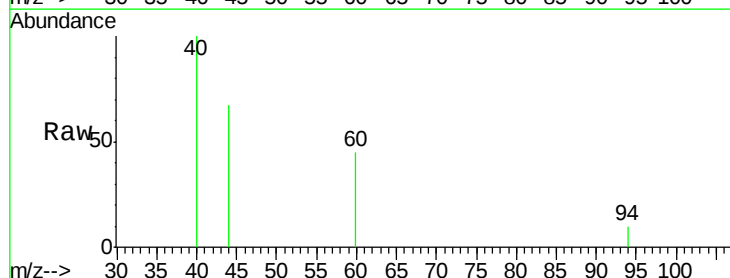
Tgt Ion: 94 Resp: 252

Ion Ratio Lower Upper

94 100

96 0.0 84.0 126.0#

93 0.0 17.3 25.9#



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC

2.20

500

400

300

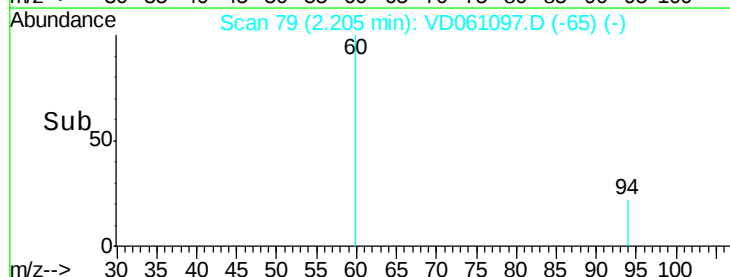
200

100

0

Time-->

2.18 2.20 2.22





#16

Acetone

Concen: 153.793 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.02 min

Lab File: VD061097.D

Acq: 15 Mar 2019 20:06

Instrument :

MSVOA_D

ClientSampleId :

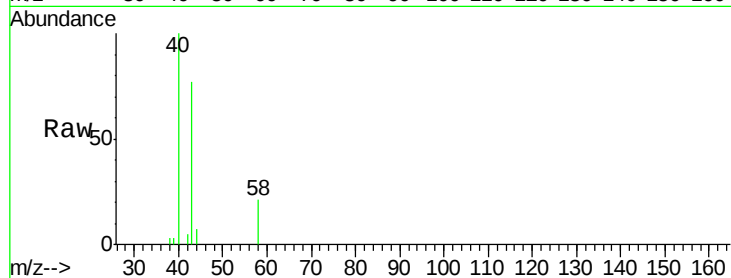
TR-04-031419

Tot Ion: 43 Resp: 23598

Ion Ratio Lower Upper

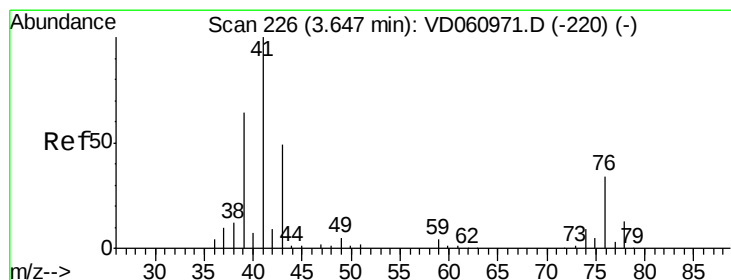
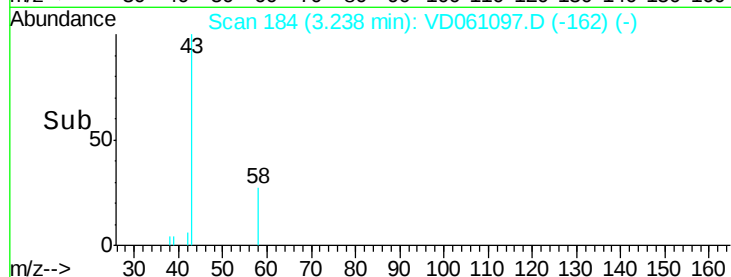
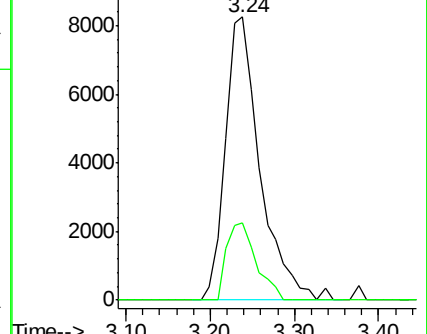
43 100

58 27.3 21.6 32.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 2.312 ug/l

RT: 3.67 min Scan# 228

Delta R.T. 0.02 min

Lab File: VD061097.D

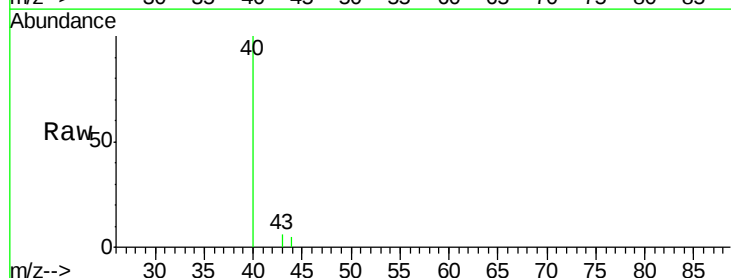
Acq: 15 Mar 2019 20:06

Tgt Ion: 43 Resp: 698

Ion Ratio Lower Upper

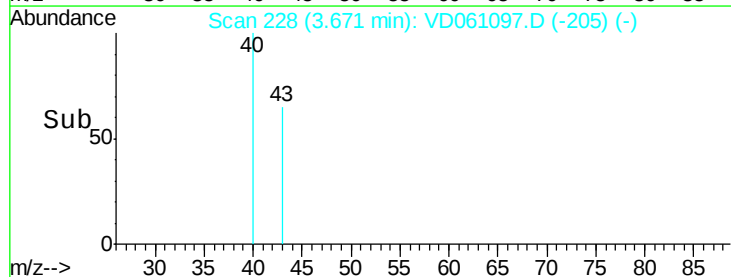
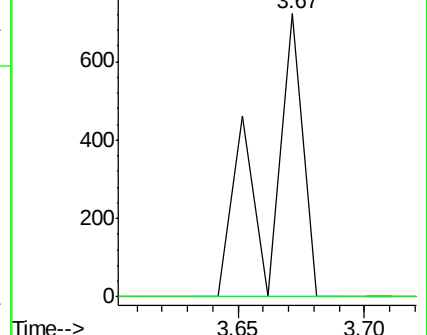
43 100

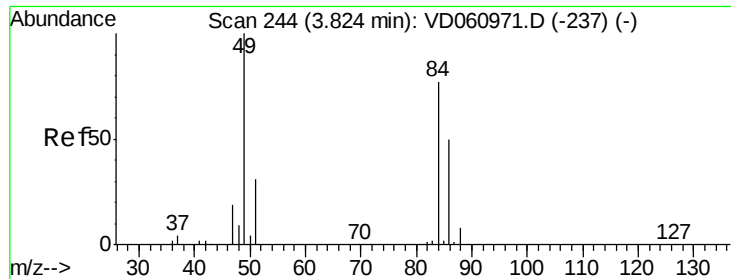
74 0.0 14.6 21.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

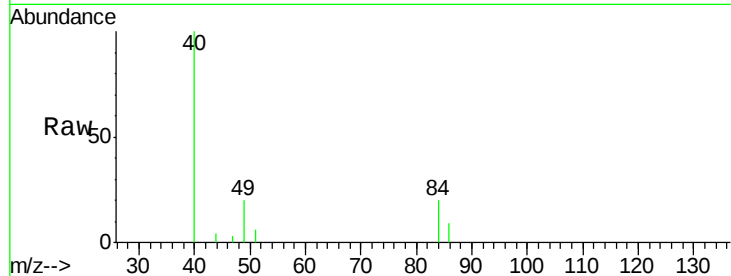




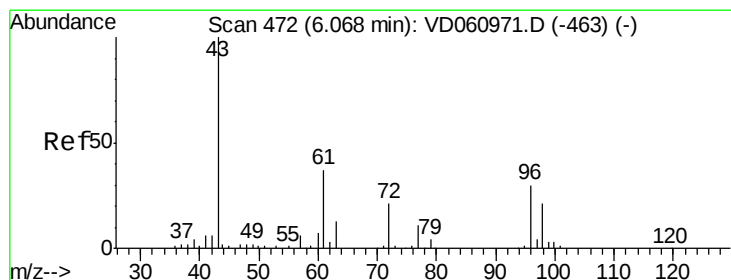
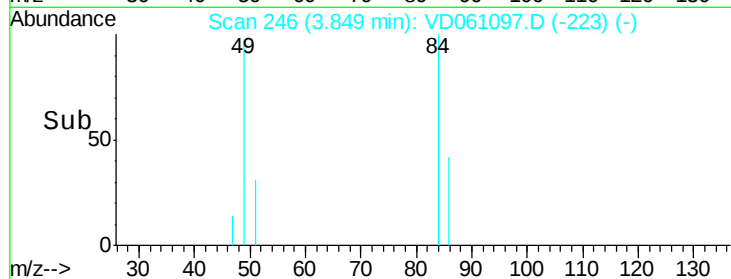
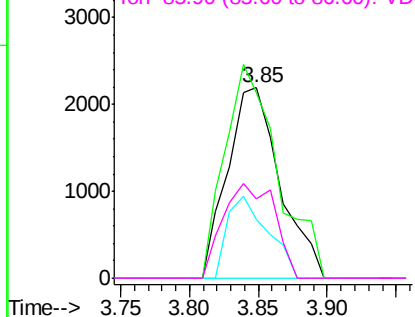
#20
Methvlene Chloride
Concen: 4.042 ug/l
RT: 3.85 min Scan# 246
Delta R.T. 0.03 min
Lab File: VD061097.D
Acq: 15 Mar 2019 20:06

Instrument :
MSVOA_D
ClientSampleId :
TR-04-031419

Tot Ion: 84 Resp: 5827
Ion Ratio Lower Upper
84 100
49 97.3 104.2 156.2#
51 30.6 32.3 48.5#
86 41.9 52.3 78.5#

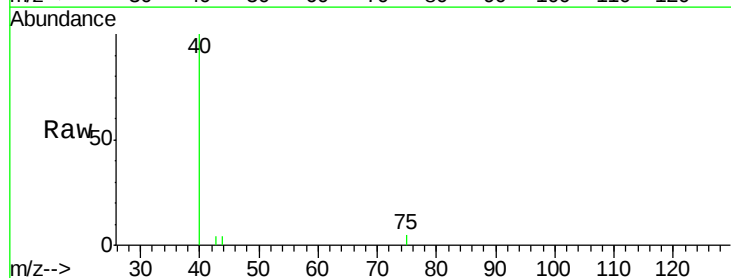


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

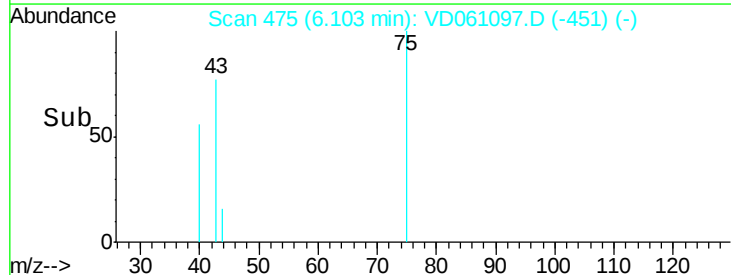
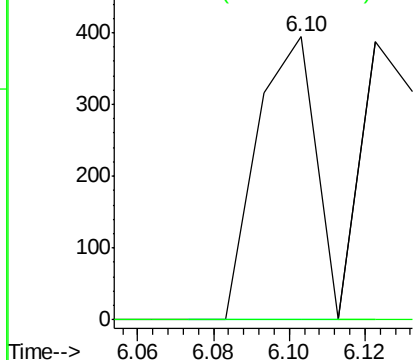


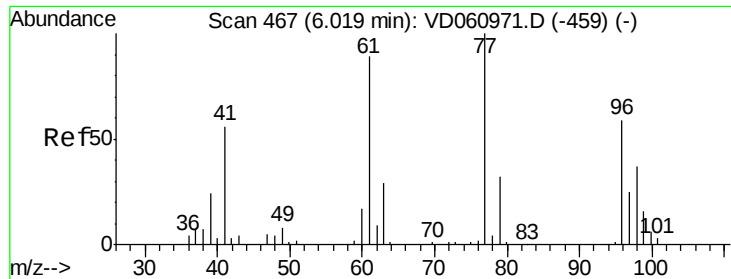
#25
2-Butanone
Concen: 2.406 ug/l
RT: 6.10 min Scan# 475
Delta R.T. 0.03 min
Lab File: VD061097.D
Acq: 15 Mar 2019 20:06

Tgt Ion: 43 Resp: 419
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

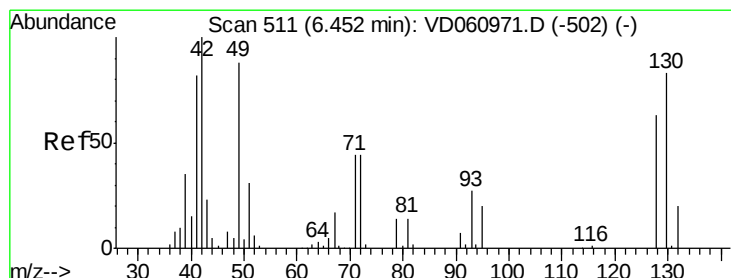
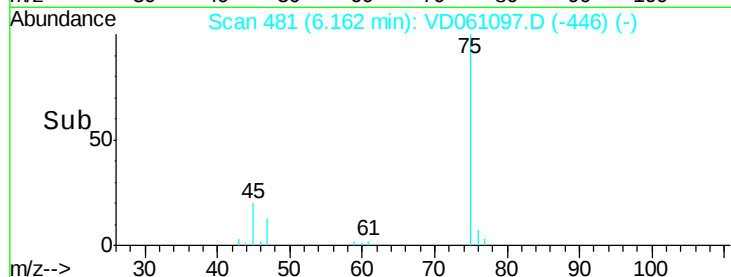
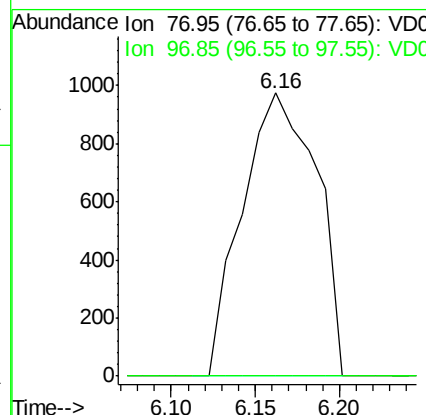
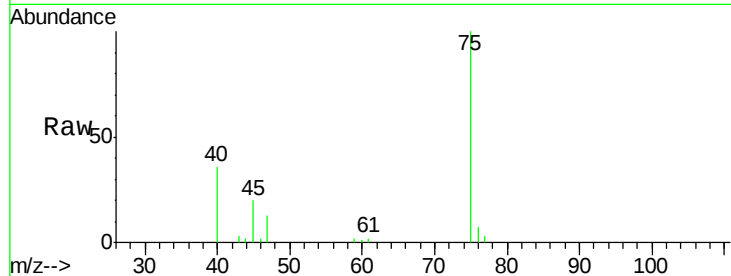




#26
 2,2-Dichloropropane
 Concen: 3.240 ug/l
 RT: 6.16 min Scan# 481
 Delta R.T. 0.14 min
 Lab File: VD061097.D
 Acq: 15 Mar 2019 20:06

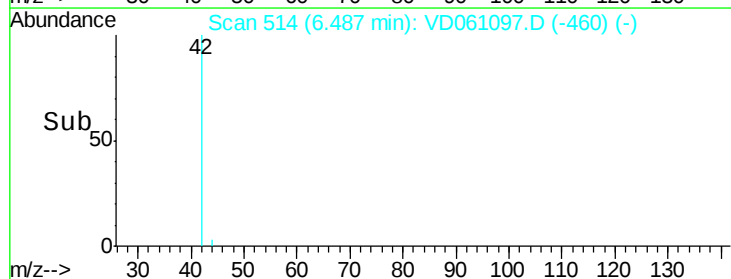
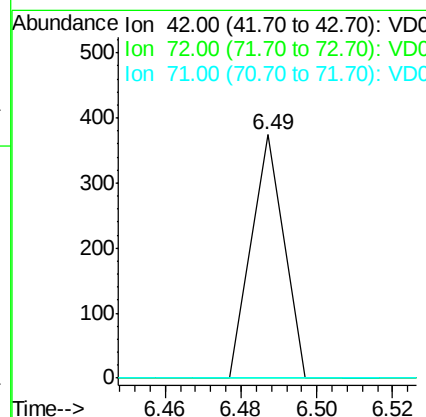
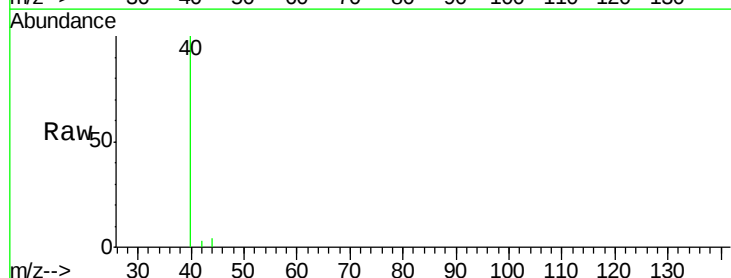
Instrument :
 MSVOA_D
 ClientSampleId :
 TR-04-031419

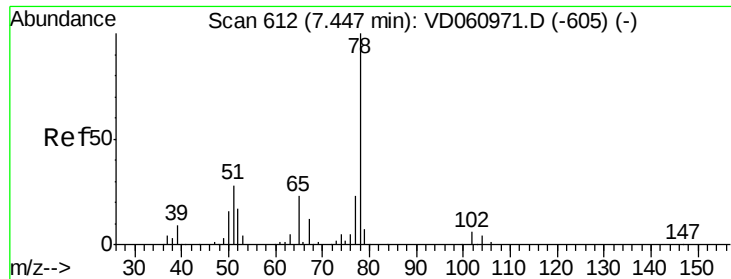
Tot Ion: 77 Resp: 2978
 Ion Ratio Lower Upper
 77 100
 97 0.0 12.6 37.6#



#29
 Tetrahydrofuran
 Concen: 2.338 ug/l
 RT: 6.49 min Scan# 514
 Delta R.T. 0.03 min
 Lab File: VD061097.D
 Acq: 15 Mar 2019 20:06

Tgt Ion: 42 Resp: 221
 Ion Ratio Lower Upper
 42 100
 72 0.0 34.5 51.7#
 71 0.0 33.8 50.6#





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.48 min Scan# 615

Delta R.T. 0.03 min

Lab File: VD061097.D

Acq: 15 Mar 2019 20:06

Instrument :

MSVOA_D

ClientSampleId :

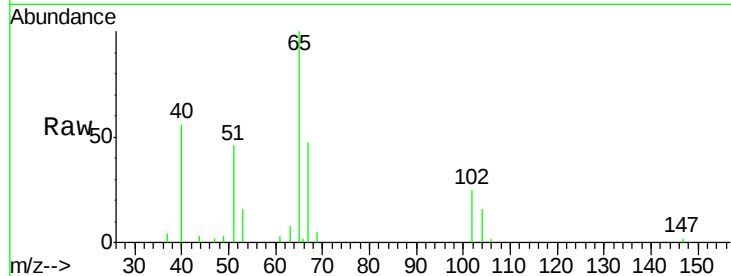
TR-04-031419

Tot Ion: 65 Resp: 47212

Ion Ratio Lower Upper

65 100

67 46.5 0.0 105.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.48

20000

15000

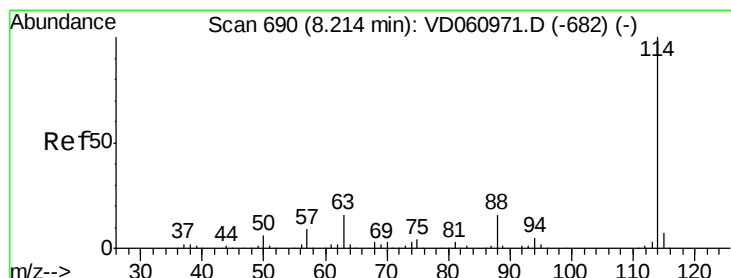
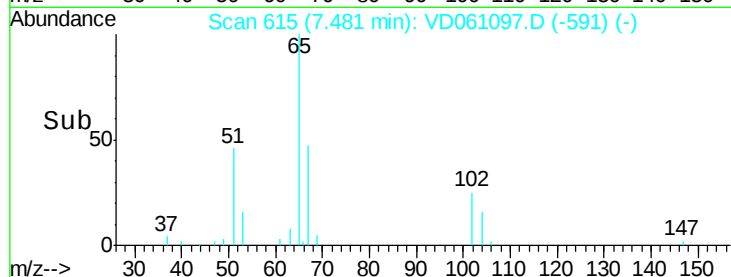
10000

5000

0

Time-->

7.40 7.50 7.60



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.24 min Scan# 692

Delta R.T. 0.02 min

Lab File: VD061097.D

Acq: 15 Mar 2019 20:06

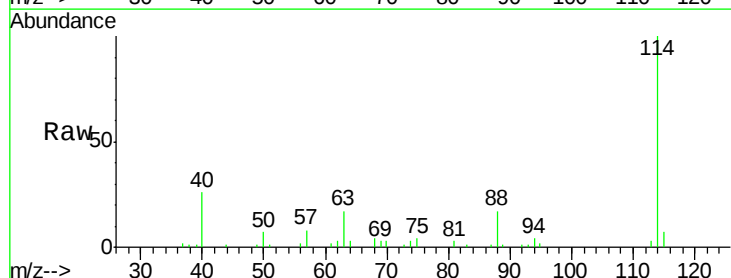
Tgt Ion: 114 Resp: 122907

Ion Ratio Lower Upper

114 100

63 16.8 0.0 31.4

88 17.2 0.0 33.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.24

60000

50000

40000

30000

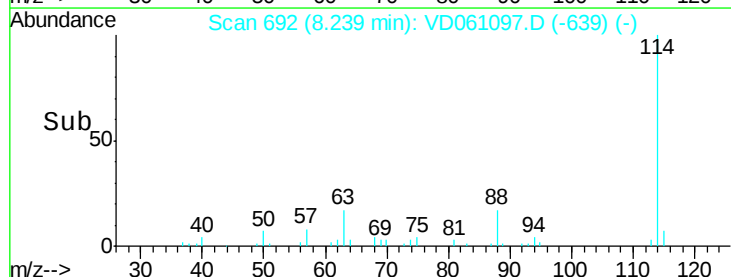
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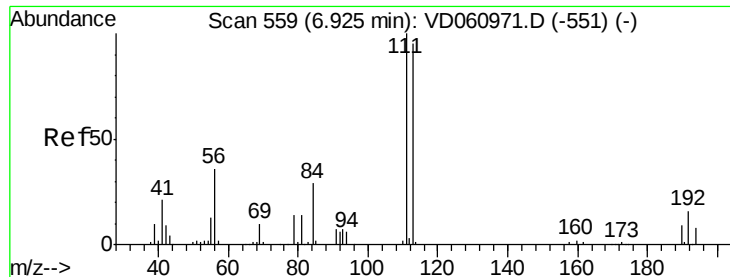
10000

0

Time-->

8.10 8.20 8.30 8.40





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.96 min Scan# 562

Delta R.T. 0.03 min

Lab File: VD061097.D

Acq: 15 Mar 2019 20:06

Instrument :

MSVOA_D

ClientSampleId :

TR-04-031419

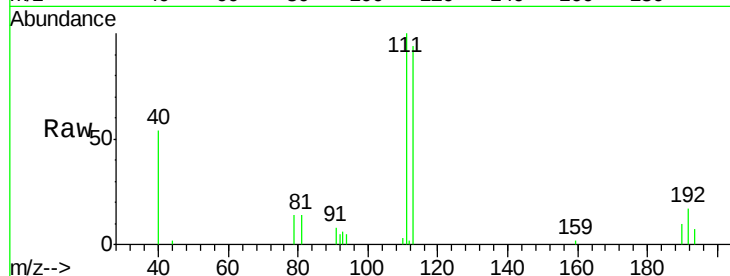
Tot Ion:113 Resp: 53704

Ion Ratio Lower Upper

113 100

111 106.1 84.2 126.4

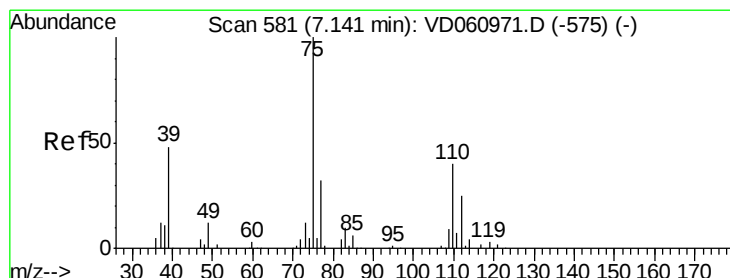
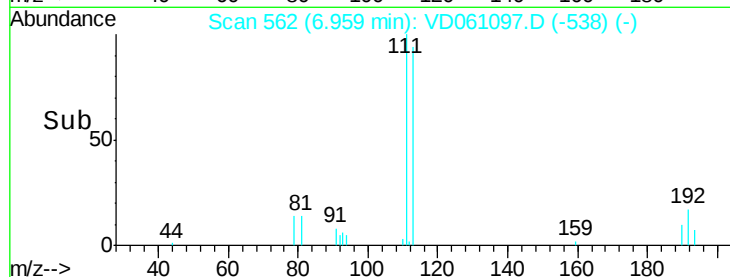
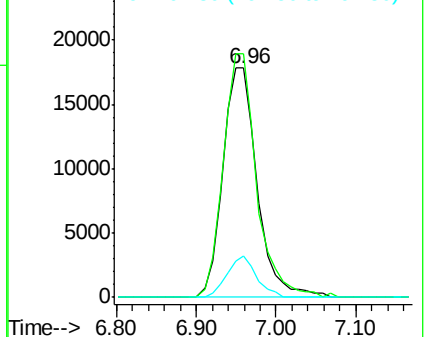
192 18.0 13.1 19.7



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: 3.784 ug/l

RT: 7.07 min Scan# 573

Delta R.T. -0.07 min

Lab File: VD061097.D

Acq: 15 Mar 2019 20:06

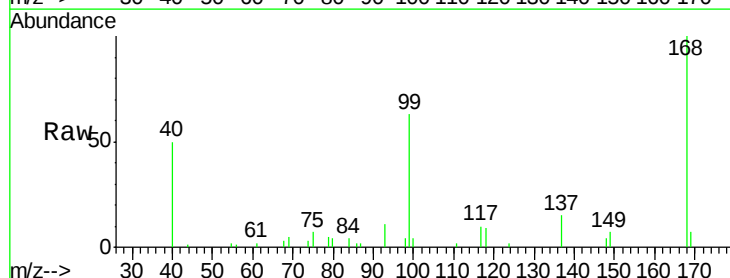
Tgt Ion: 75 Resp: 4009

Ion Ratio Lower Upper

75 100

110 0.0 19.7 59.1#

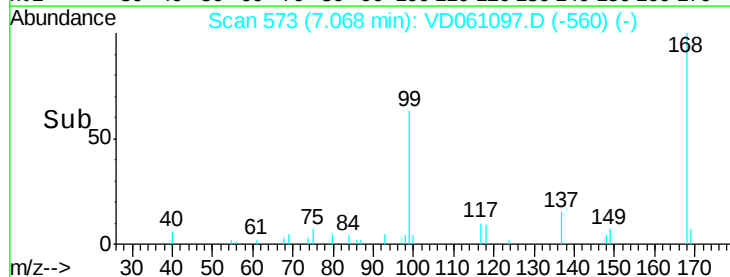
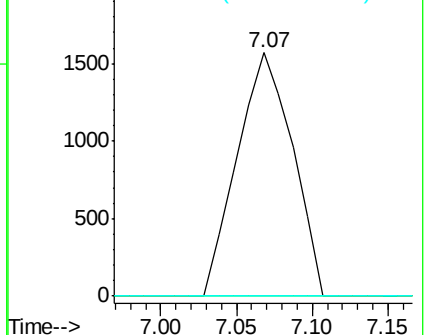
77 0.0 24.7 37.1#

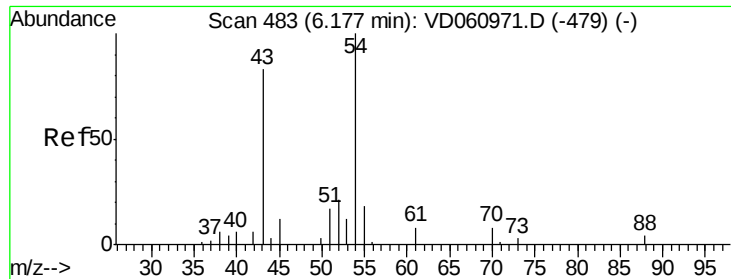


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC





#37

Ethyl Acetate

Concen: 5.393 ug/l

RT: 6.16 min Scan# 481

Delta R.T. -0.01 min

Lab File: VD061097.D

Acq: 15 Mar 2019 20:06

Instrument :

MSVOA_D

ClientSampleId :

TR-04-031419

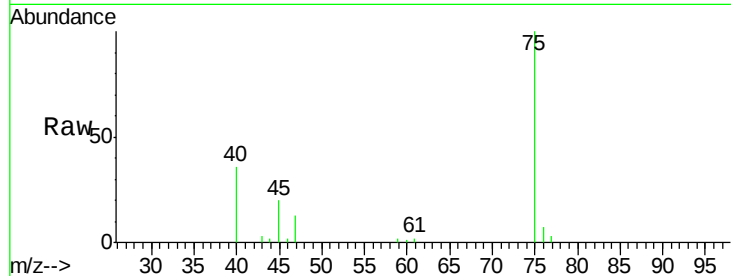
Tot Ion: 43 Resp: 2681

Ion Ratio Lower Upper

43 100

61 69.6 13.7 20.5#

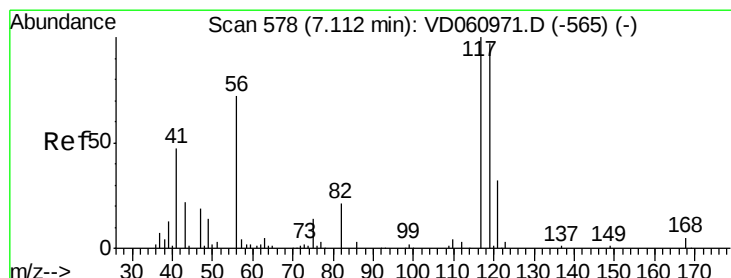
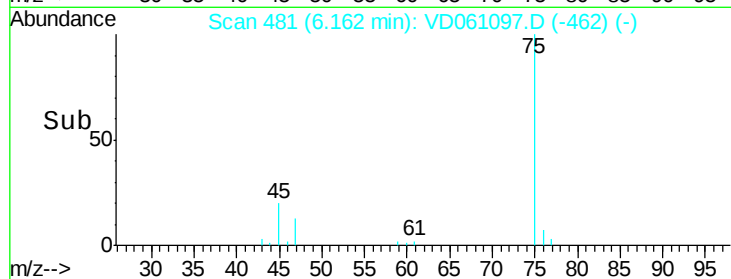
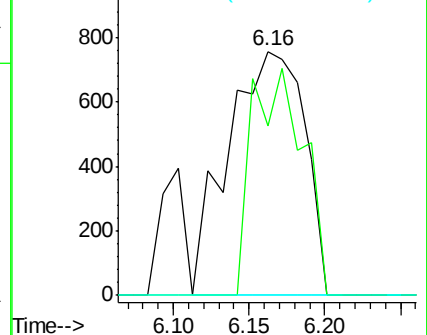
70 0.0 7.1 10.7#



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: 4.787 ug/l

RT: 7.07 min Scan# 573

Delta R.T. -0.04 min

Lab File: VD061097.D

Acq: 15 Mar 2019 20:06

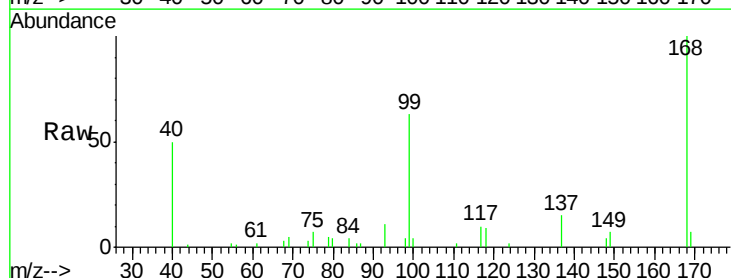
Tgt Ion: 117 Resp: 5587

Ion Ratio Lower Upper

117 100

119 0.0 77.8 116.8#

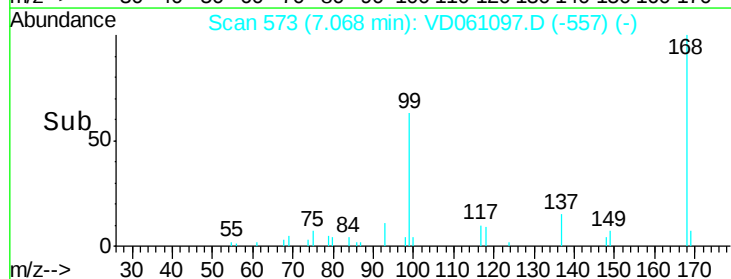
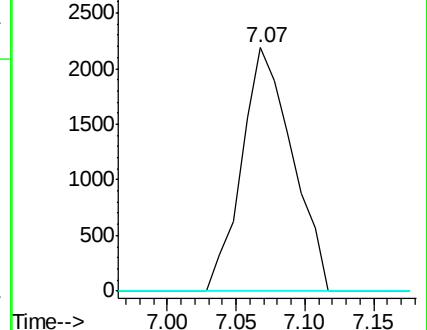
121 0.0 25.3 37.9#

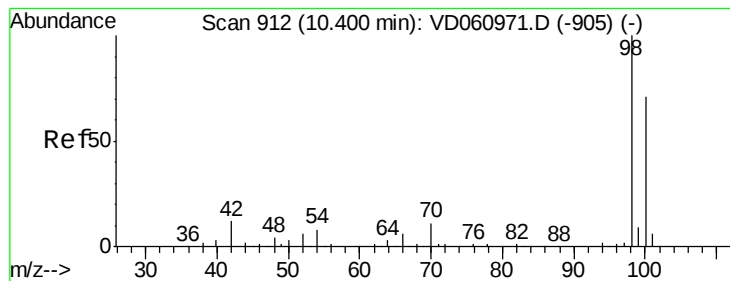


Abundance Ion 116.85 (116.55 to 117.55): V

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: 10.43 min Scan# 915

Delta R.T. 0.03 min

Lab File: VD061097.D

Acq: 15 Mar 2019 20:06

Instrument :

MSVOA_D

ClientSampleId :

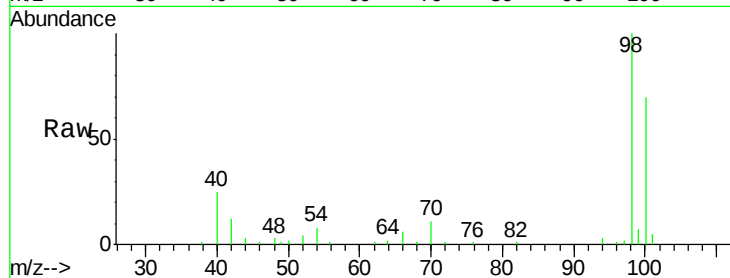
TR-04-031419

Tot Ion: 98 Resp: 108900

Ion Ratio Lower Upper

98 100

100 70.5 57.4 86.2

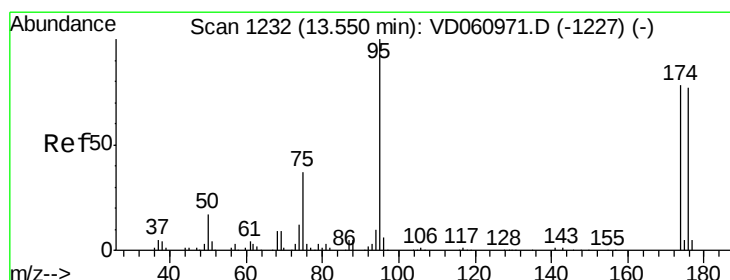
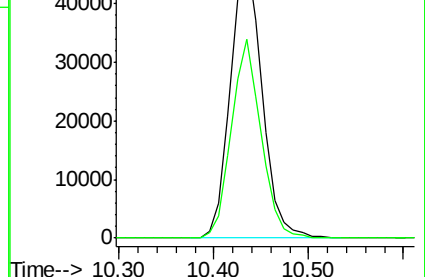
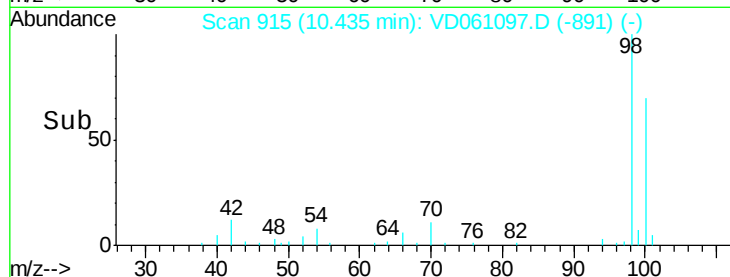


Abundance Ion 98.05 (97.75 to 98.75): VD061097.D (-905) (-)

Ion 100.05 (99.75 to 100.75): VD061097.D (-905) (-)

10.43

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.57 min Scan# 1233

Delta R.T. 0.02 min

Lab File: VD061097.D

Acq: 15 Mar 2019 20:06

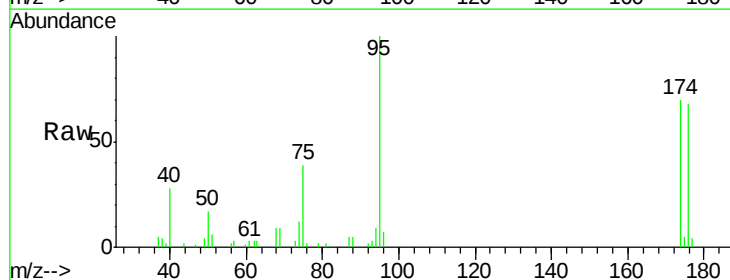
Tgt Ion: 95 Resp: 51414

Ion Ratio Lower Upper

95 100

174 70.3 0.0 155.6

176 67.8 0.0 153.8



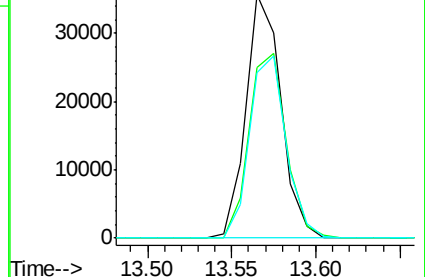
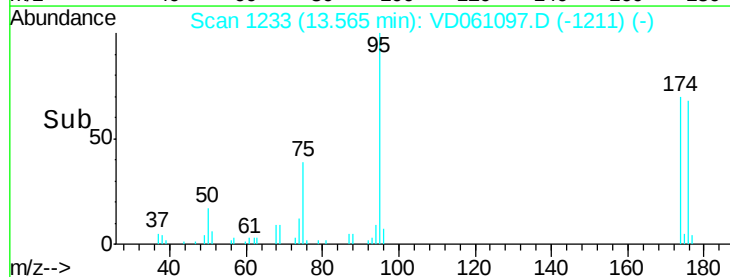
Abundance Ion 95.00 (94.70 to 95.70): VD061097.D (-1227) (-)

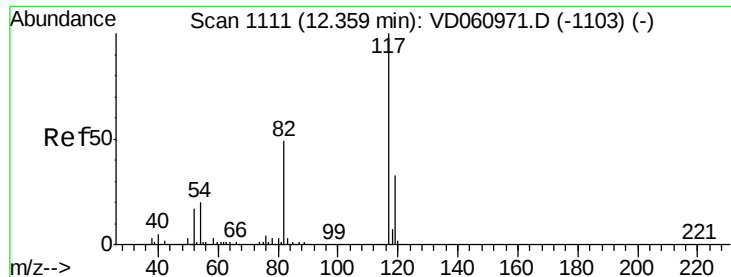
Ion 173.90 (173.60 to 174.60): VD061097.D (-1227) (-)

Ion 175.90 (175.60 to 176.60): VD061097.D (-1227) (-)

13.57

Time-->

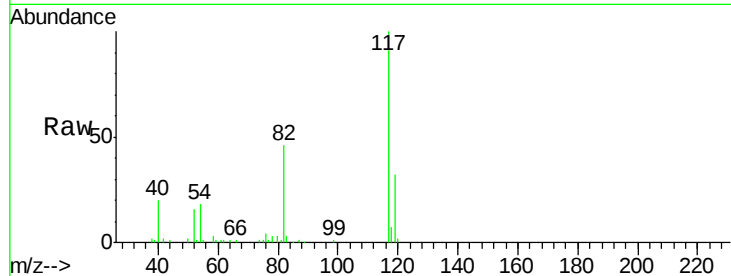




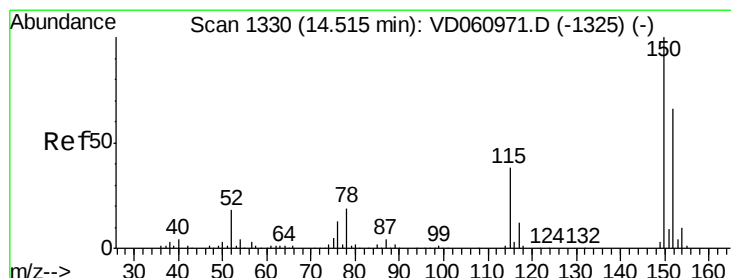
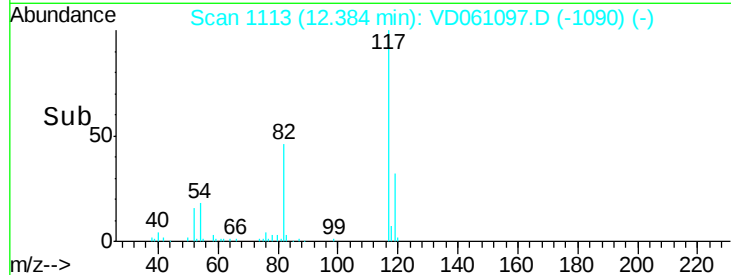
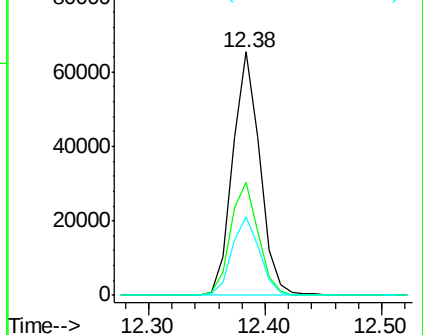
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD061097.D
Acq: 15 Mar 2019 20:06

Instrument :
MSVOA_D
ClientSampleId :
TR-04-031419

Tot Ion:117 Resp: 105661
Ion Ratio Lower Upper
117 100
82 46.3 38.9 58.3
119 32.1 26.6 39.8

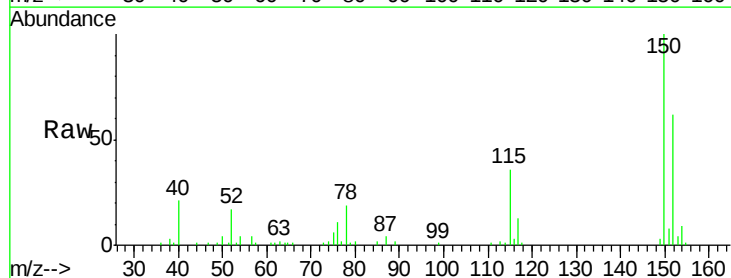


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

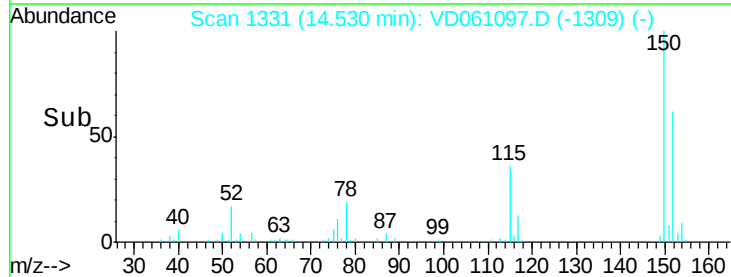
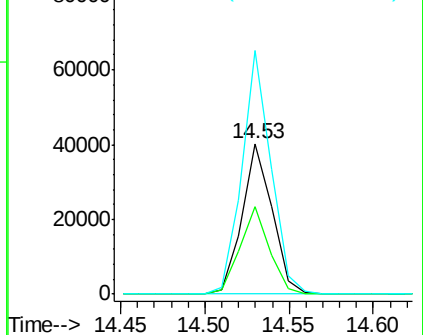


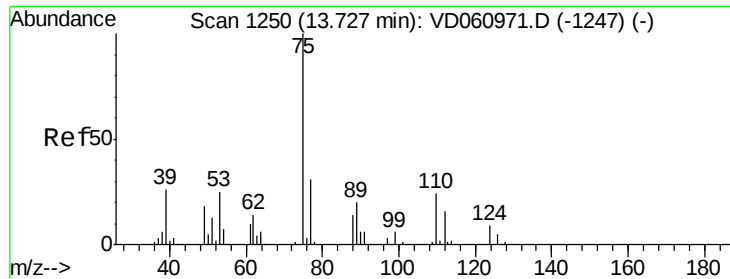
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. 0.02 min
Lab File: VD061097.D
Acq: 15 Mar 2019 20:06

Tgt Ion:152 Resp: 49563
Ion Ratio Lower Upper
152 100
115 58.2 28.6 85.9
150 162.1 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





#76

1,2,3-Trichloropropane

Concen: 26.086 ug/l

RT: 13.57 min Scan# 1233

Delta R.T. -0.16 min

Lab File: VD061097.D

Acq: 15 Mar 2019 20:06

Instrument :

MSVOA_D

ClientSampleId :

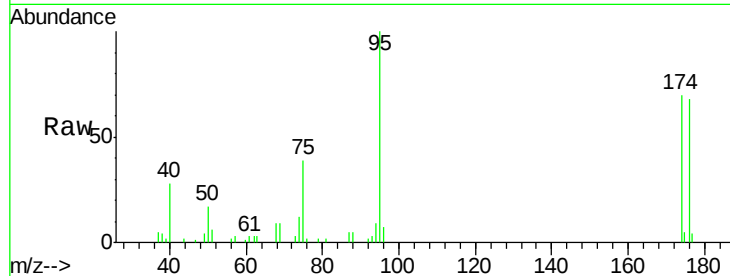
TR-04-031419

Tot Ion: 75 Resp: 18601

Ion Ratio Lower Upper

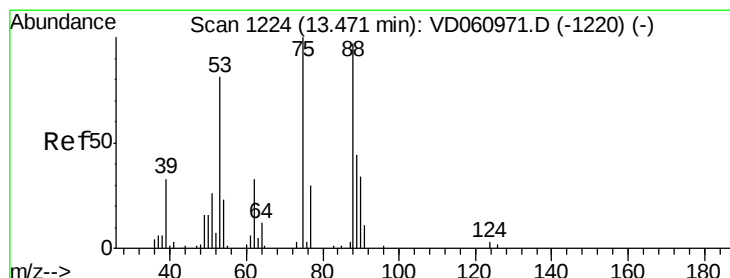
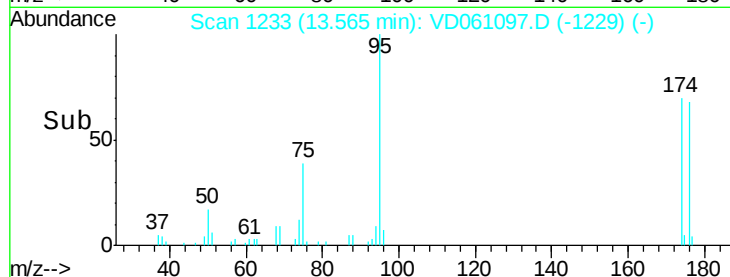
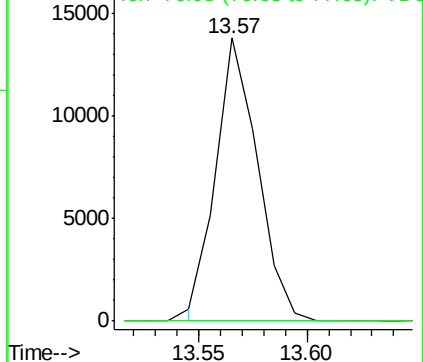
75 100

77 0.0 16.6 49.7#



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: 90.142 ug/l

RT: 13.57 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD061097.D

Acq: 15 Mar 2019 20:06

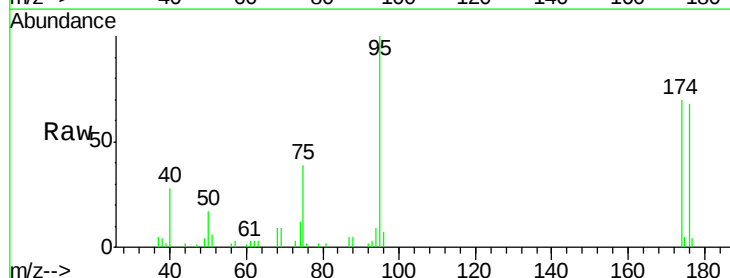
Tgt Ion: 75 Resp: 18950

Ion Ratio Lower Upper

75 100

53 0.0 64.4 96.6#

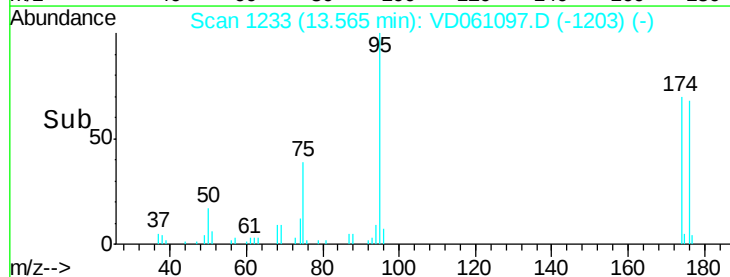
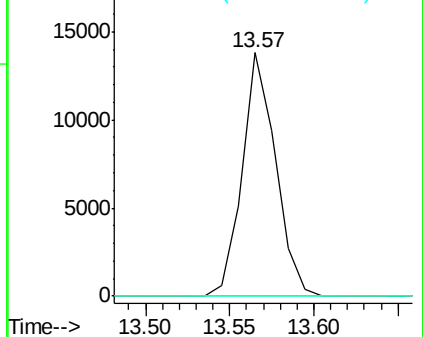
89 0.0 34.8 52.2#

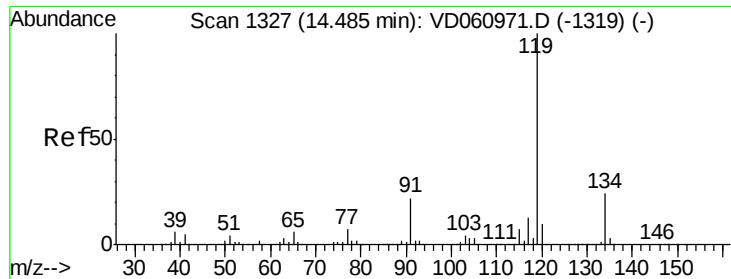


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

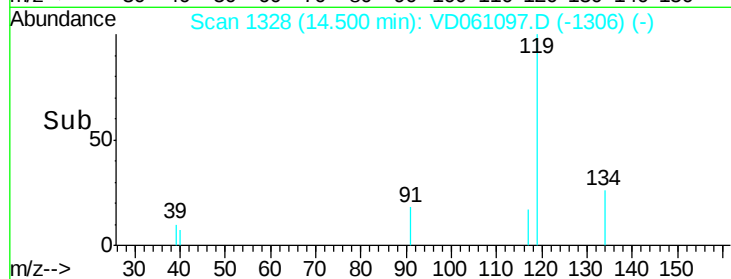
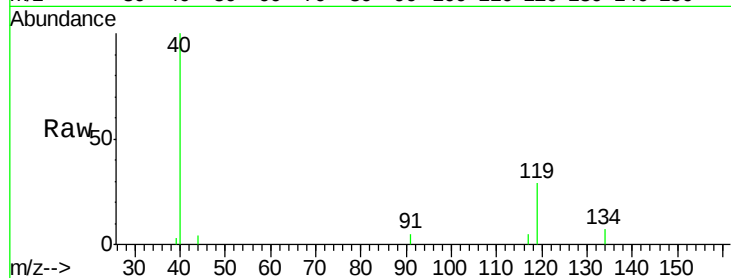




#86
 p-Isopropyltoluene
 Concen: 1.196 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. 0.02 min
 Lab File: VD061097.D
 Acq: 15 Mar 2019 20:06

Instrument :
 MSVOA_D
 ClientSampleId :
 TR-04-031419

Tot Ion	Ion	Ratio	Lower	Upper
119	100			
134	25.7	12.0	36.1	
91	18.3	11.2	33.6	



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): V

