

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD031619\
 Data File : VD061115.D
 Acq On : 16 Mar 2019 17:54
 Operator : VA/AP
 Sample : K1924-01RE
 Misc : 5.19g/5ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

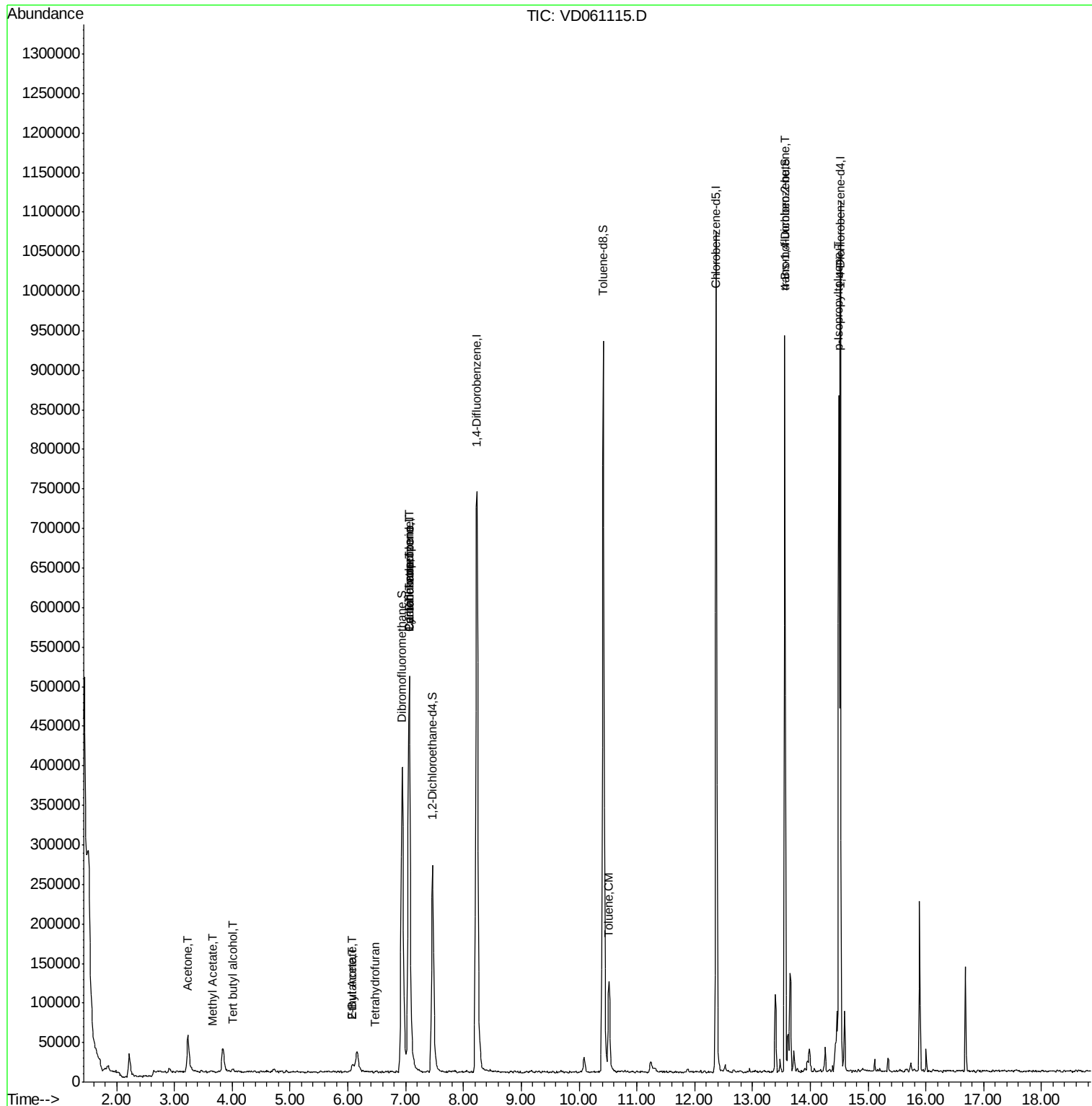
Quant Time: Mar 18 02:28:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	535652	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	946518	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	724530	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	272975	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.47	65	250595	56.20	ug/l	0.02
Spiked Amount 50.000			Recovery	=	112.40%	
35) Dibromofluoromethane	6.94	113	391748	55.77	ug/l	0.02
Spiked Amount 50.000			Recovery	=	111.54%	
50) Toluene-d8	10.42	98	808318	45.82	ug/l	0.02
Spiked Amount 50.000			Recovery	=	91.64%	
62) 4-Bromofluorobenzene	13.56	95	295919	43.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.46%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.01	59	2918	10.280	ug/l #	75
16) Acetone	3.23	43	91778	71.983	ug/l	94
18) Methyl Acetate	3.66	43	2881	1.148	ug/l #	59
20) Methylene Chloride	3.84	84	24974	Below Cal		94
25) 2-Butanone	6.08	43	26256	18.148	ug/l #	90
29) Tetrahydrofuran	6.47	42	793	1.009	ug/l #	33
31) Cyclohexane	7.06	56	8831	1.119	ug/l #	1
36) 1,1-Dichloropropene	7.05	75	37897	4.645	ug/l #	45
37) Ethyl Acetate	6.08	43	26256	6.858	ug/l #	66
38) Carbon Tetrachloride	7.06	117	50257	5.592	ug/l #	15
52) Toluene	10.52	92	66048	5.210	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.56	75	105099	90.772	ug/l #	17
86) p-Isopropyltoluene	14.50	119	431260	26.442	ug/l	98

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

```
Data Path : Z:\V0ASRV\HPCHEM1\MSV0A_D\DATA\VD031619\
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Acq On    : 16 Mar 2019   17:54
Operator  : VA/AP
Sample    : K1924-01RE
Misc      : 5.19g/5ml/MSV0A_D/SOIL
ALS Vial  : 16      Sample Multiplier: 1
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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: 7.06 min Scan# 573

Delta R.T. 0.02 min

Lab File: VD061115.D

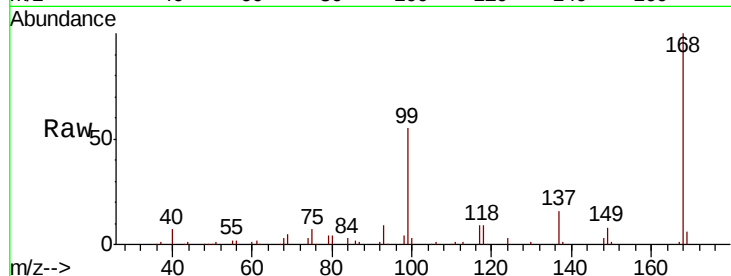
Acq: 16 Mar 2019 17:54

Tgt Ion: 168 Resp: 535652

Ion Ratio Lower Upper

168 100

99 55.3 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

200000

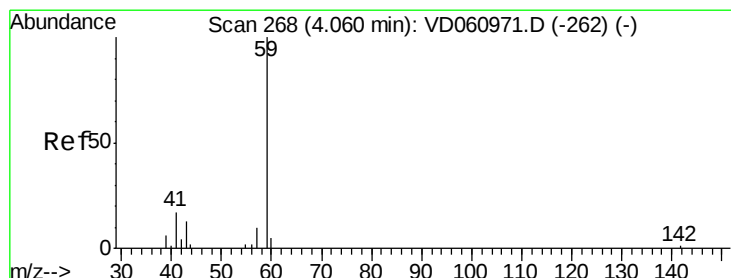
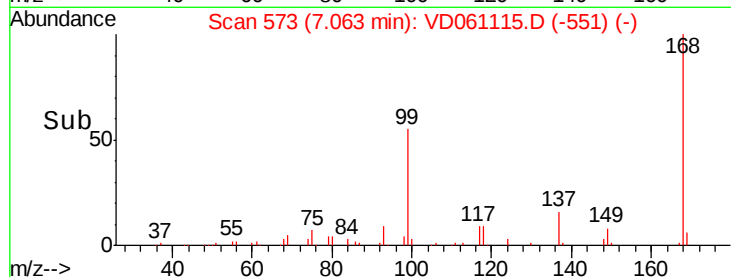
150000

100000

50000

0

Time--> 6.90 7.00 7.10 7.20



#11

Tert butyl alcohol

Concen: 10.280 ug/l

RT: 4.01 min Scan# 263

Delta R.T. -0.05 min

Lab File: VD061115.D

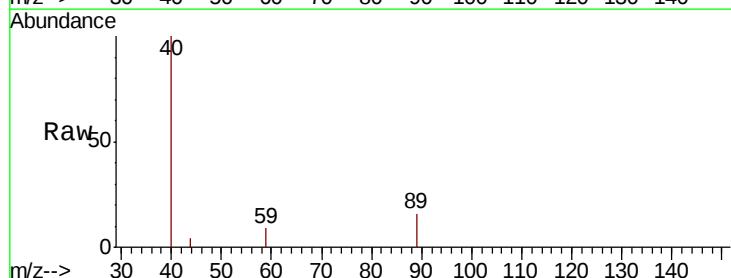
Acq: 16 Mar 2019 17:54

Tgt Ion: 59 Resp: 2918

Ion Ratio Lower Upper

59 100

57 0.0 7.1 10.7#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

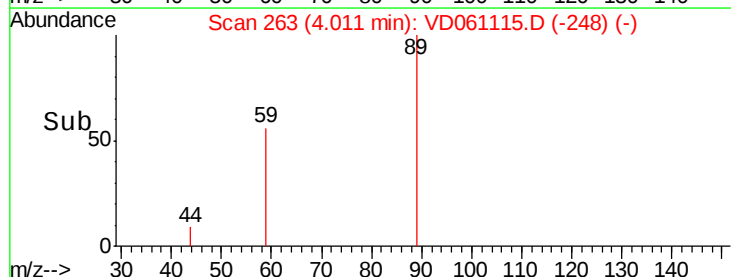
4.01

1000

500

0

Time--> 3.95 4.00 4.05





#16

Acetone

Concen: 71.983 ug/l

RT: 3.23 min Scan# 184

Delta R.T. 0.01 min

Lab File: VD061115.D

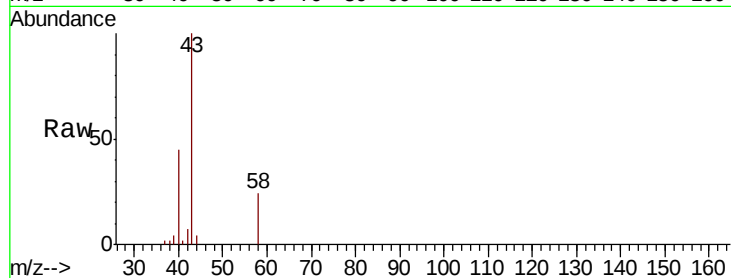
Acq: 16 Mar 2019 17:54

Tgt Ion: 43 Resp: 91778

Ion Ratio Lower Upper

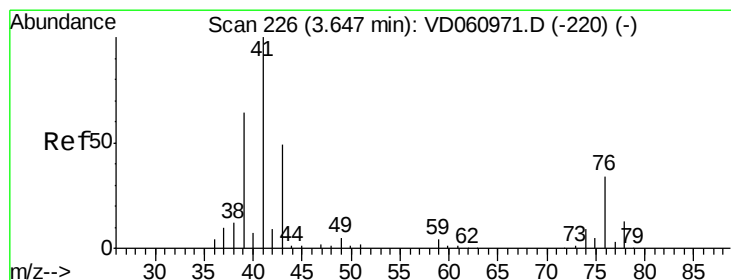
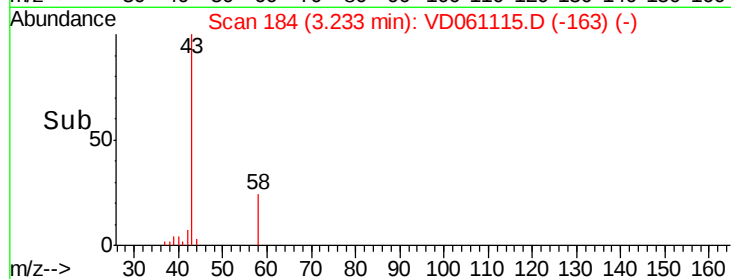
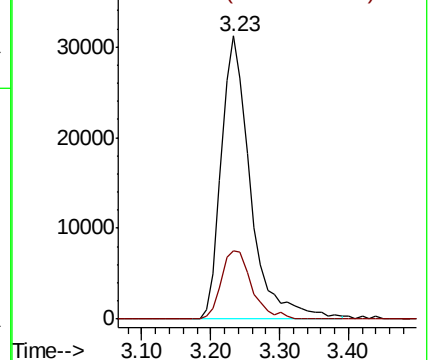
43 100

58 24.1 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: 1.148 ug/l

RT: 3.66 min Scan# 227

Delta R.T. 0.01 min

Lab File: VD061115.D

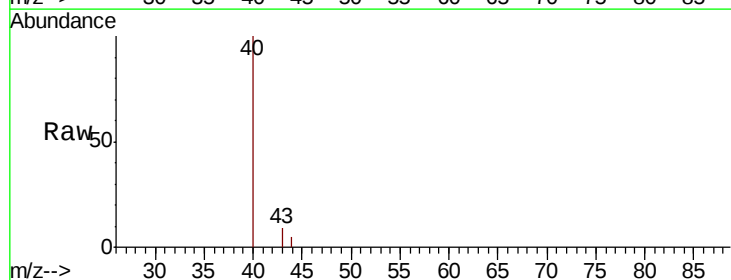
Acq: 16 Mar 2019 17:54

Tgt Ion: 43 Resp: 2881

Ion Ratio Lower Upper

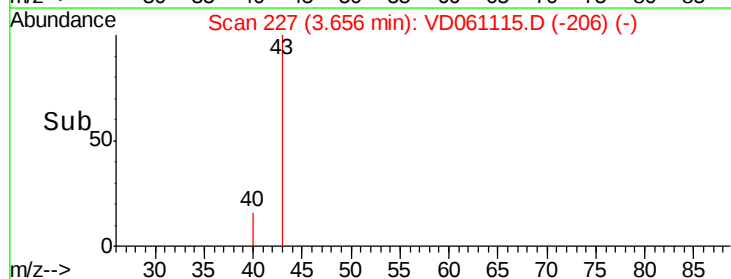
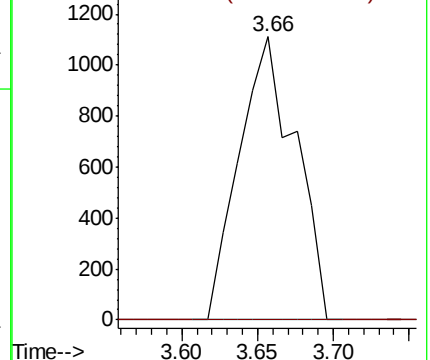
43 100

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





#25

2-Butanone

Concen: 18.148 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.01 min

Lab File: VD061115.D

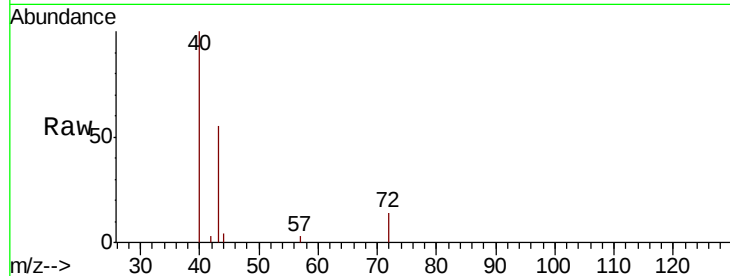
Acq: 16 Mar 2019 17:54

Tgt Ion: 43 Resp: 26256

Ion Ratio Lower Upper

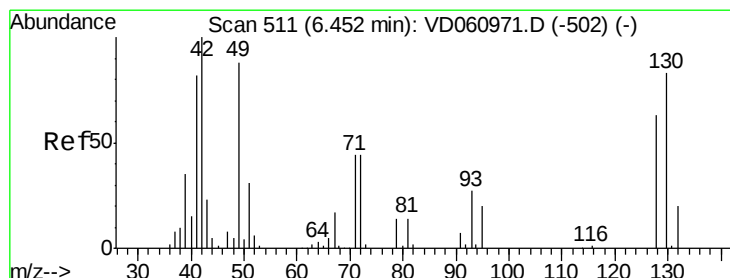
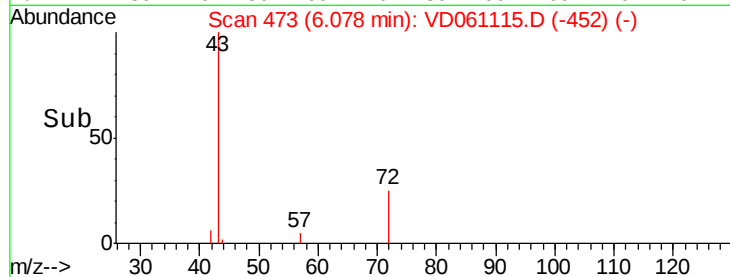
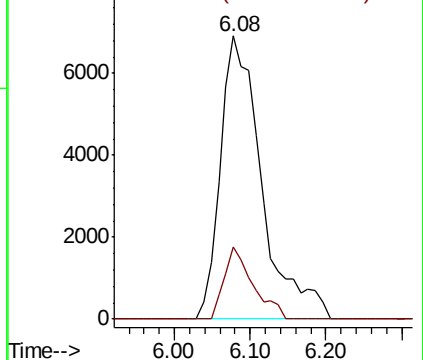
43 100

72 25.4 16.7 25.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#29

Tetrahydrofuran

Concen: 1.009 ug/l

RT: 6.47 min Scan# 513

Delta R.T. 0.02 min

Lab File: VD061115.D

Acq: 16 Mar 2019 17:54

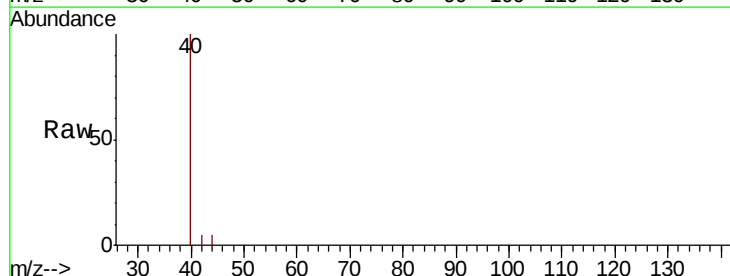
Tgt Ion: 42 Resp: 793

Ion Ratio Lower Upper

42 100

72 0.0 34.5 51.7#

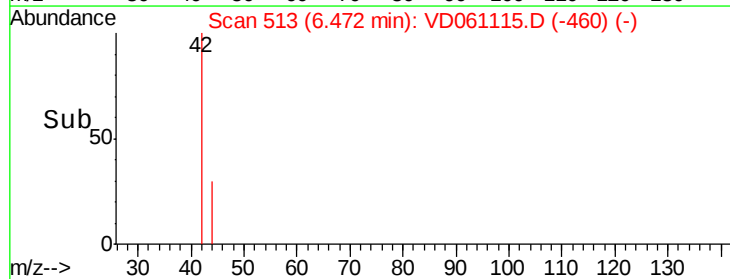
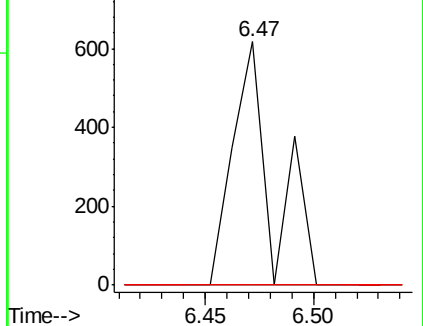
71 0.0 33.8 50.6#

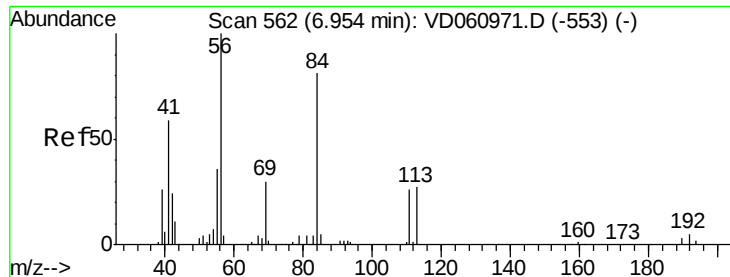


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

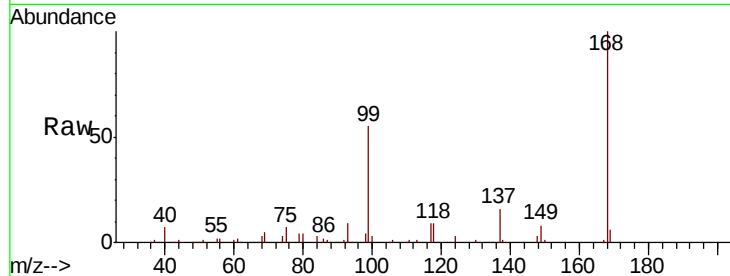
Ion 71.00 (70.70 to 71.70): VDC



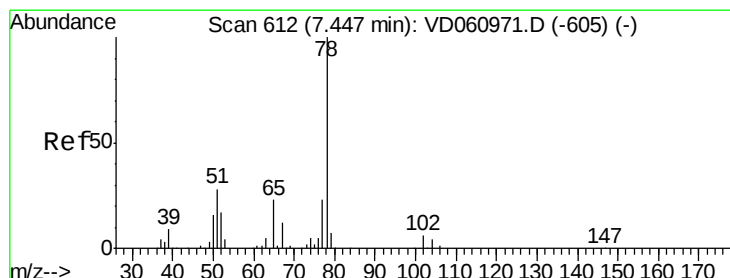
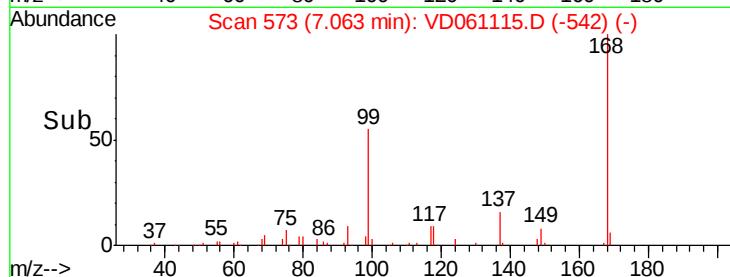
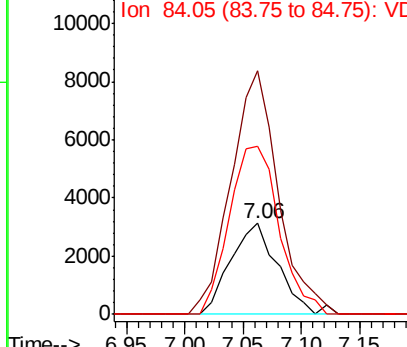


#31
Cyclohexane
Concen: 1.119 ug/l
RT: 7.06 min Scan# 573
Delta R.T. 0.11 min
Lab File: VD061115.D
Acq: 16 Mar 2019 17:54

Tgt Ion: 56 Resp: 8831
Ion Ratio Lower Upper
56 100
69 266.8 24.0 36.0#
84 184.8 65.8 98.6#

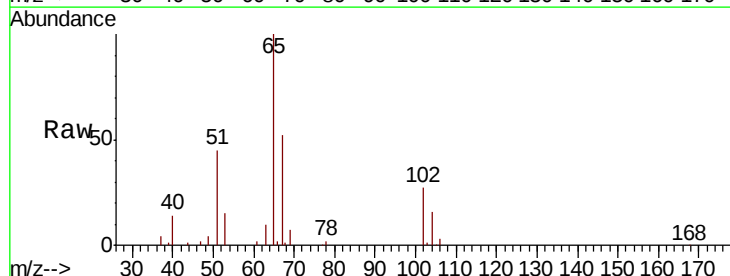


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

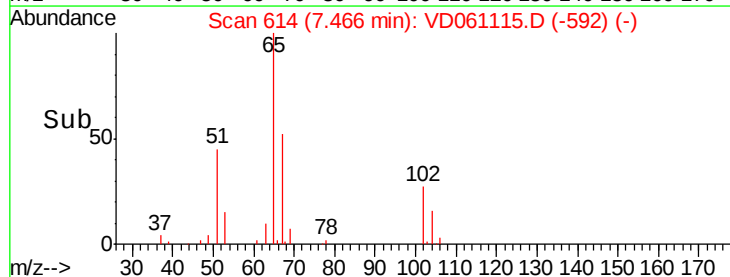
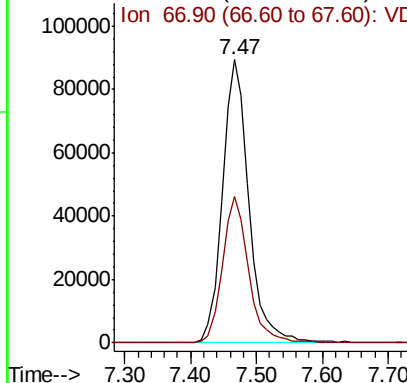


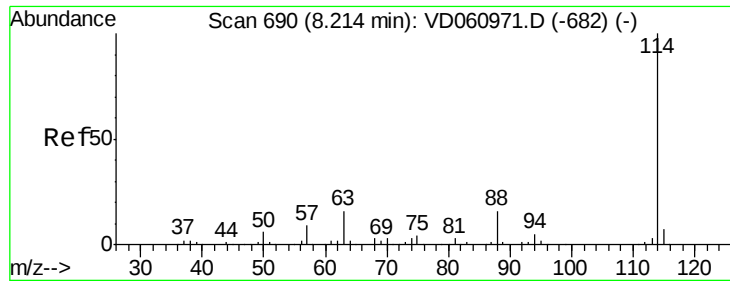
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 7.47 min Scan# 614
Delta R.T. 0.02 min
Lab File: VD061115.D
Acq: 16 Mar 2019 17:54

Tgt Ion: 65 Resp: 250595
Ion Ratio Lower Upper
65 100
67 51.7 0.0 105.2



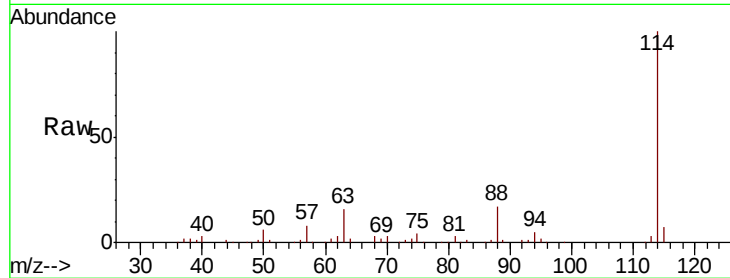
Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC



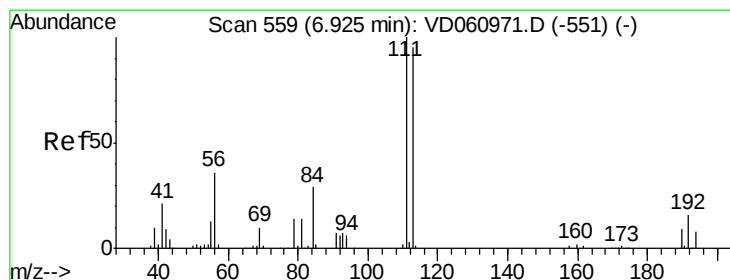
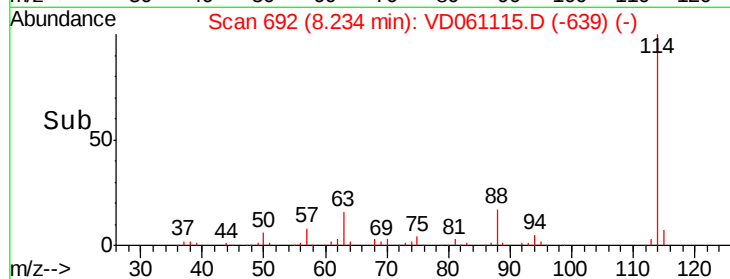
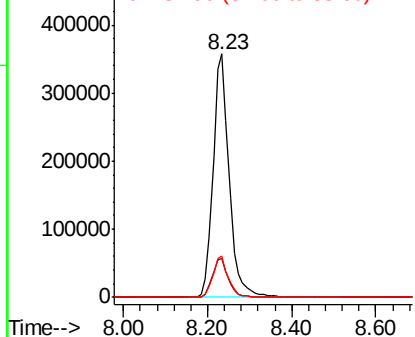


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 692
 Delta R.T. 0.02 min
 Lab File: VD061115.D
 Acq: 16 Mar 2019 17:54

Tgt Ion	Ratio	Lower	Upper
114	100		
63	16.1	0.0	31.4
88	17.0	0.0	33.0

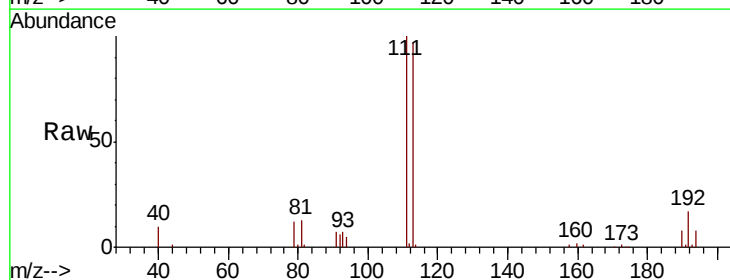


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

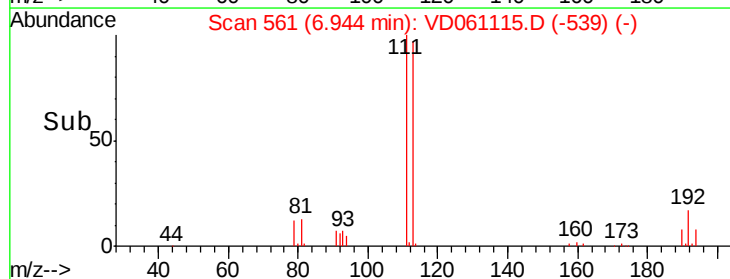
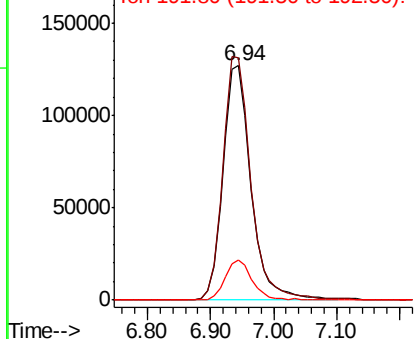


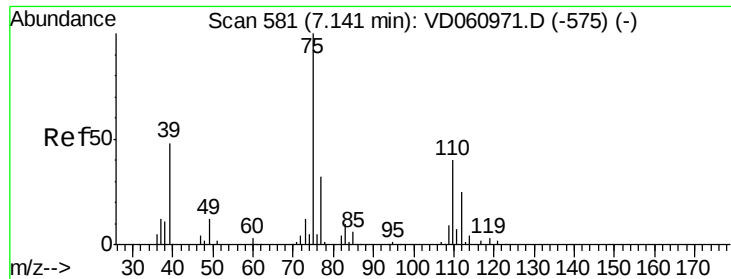
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.94 min Scan# 561
 Delta R.T. 0.02 min
 Lab File: VD061115.D
 Acq: 16 Mar 2019 17:54

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.5	84.2	126.4
192	17.3	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: 4.645 ug/l

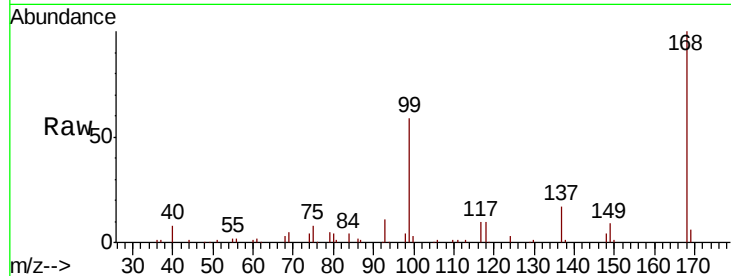
RT: 7.05 min Scan# 572

Delta R.T. -0.09 min

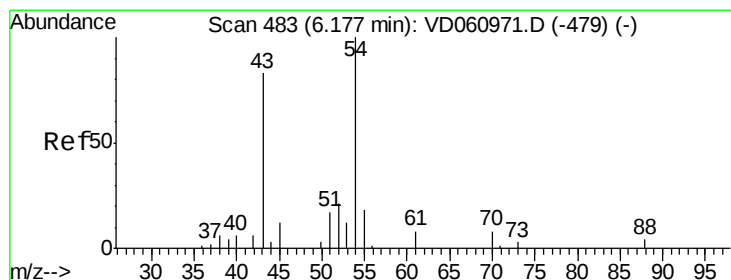
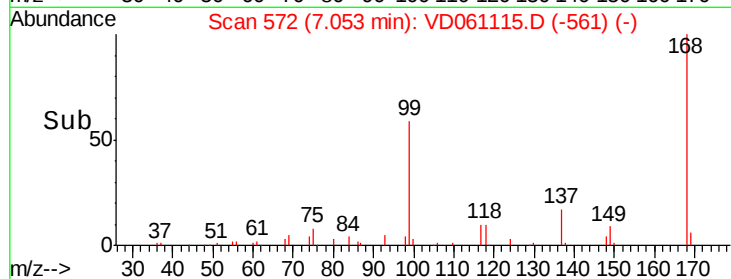
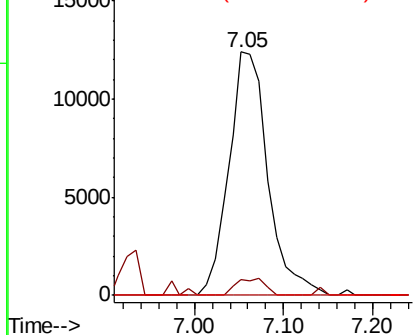
Lab File: VD061115.D

Acq: 16 Mar 2019 17:54

Tgt Ion:	75	Resp:	37897
Ion	Ratio	Lower	Upper
75	100		
110	6.4	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): VDC
Ion 76.95 (76.65 to 77.65): VDC



#37

Ethyl Acetate

Concen: 6.858 ug/l

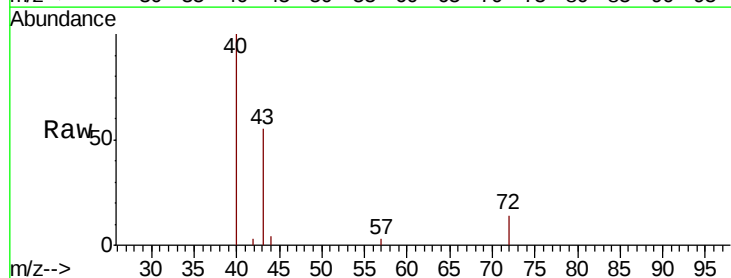
RT: 6.08 min Scan# 473

Delta R.T. -0.10 min

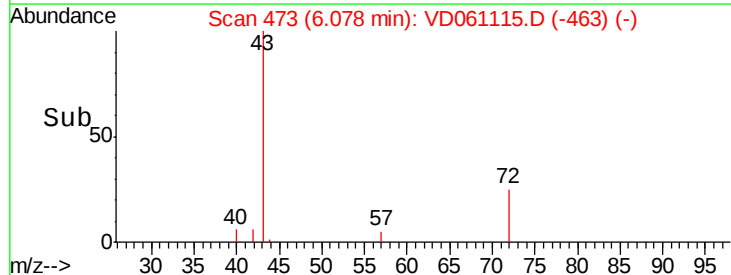
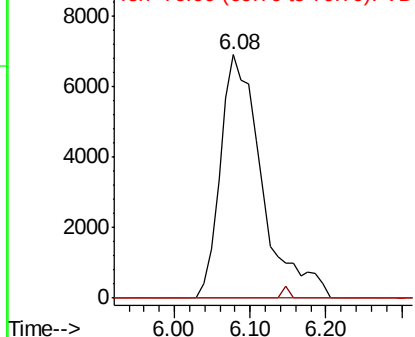
Lab File: VD061115.D

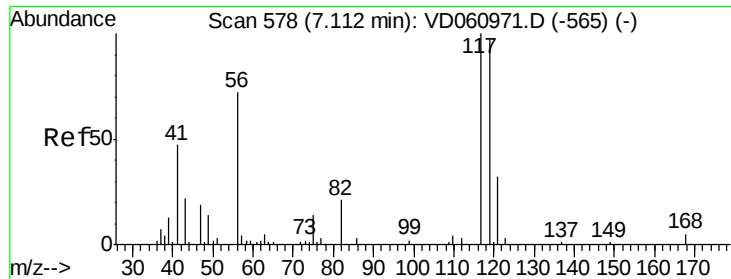
Acq: 16 Mar 2019 17:54

Tgt Ion:	43	Resp:	26256
Ion	Ratio	Lower	Upper
43	100		
61	0.0	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: 5.592 ug/l

RT: 7.06 min Scan# 573

Delta R.T. -0.05 min

Lab File: VD061115.D

Acq: 16 Mar 2019 17:54

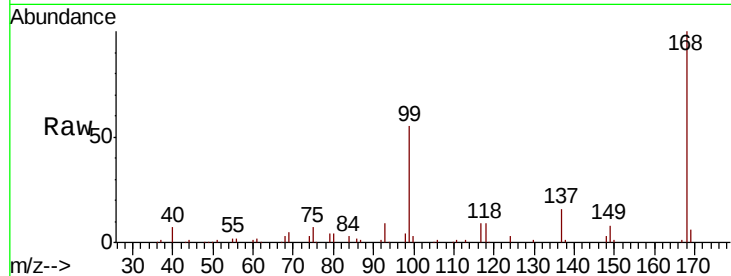
Tgt Ion: 117 Resp: 50257

Ion Ratio Lower Upper

117 100

119 4.9 77.8 116.8#

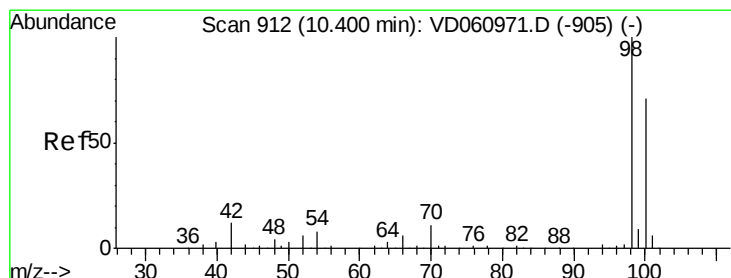
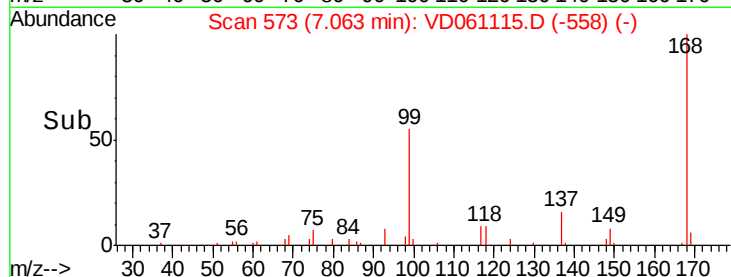
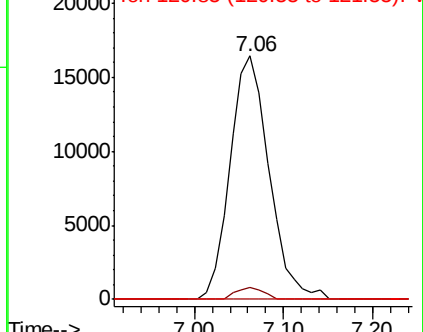
121 0.0 25.3 37.9#



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: 10.42 min Scan# 914

Delta R.T. 0.02 min

Lab File: VD061115.D

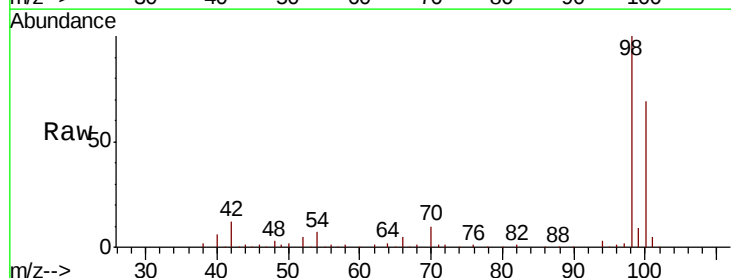
Acq: 16 Mar 2019 17:54

Tgt Ion: 98 Resp: 808318

Ion Ratio Lower Upper

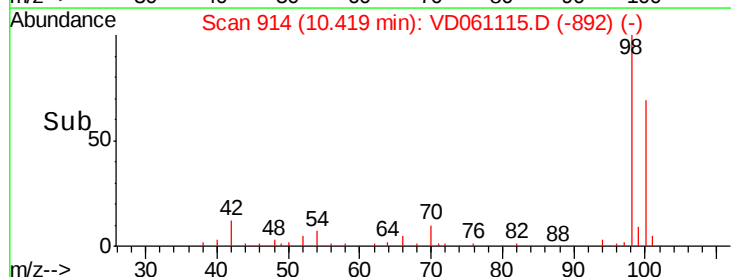
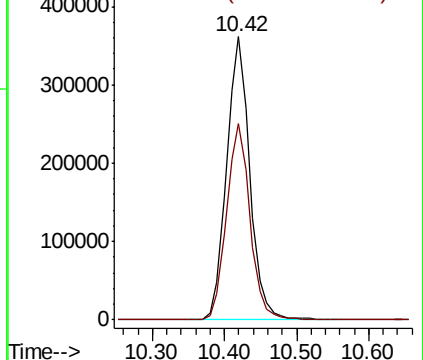
98 100

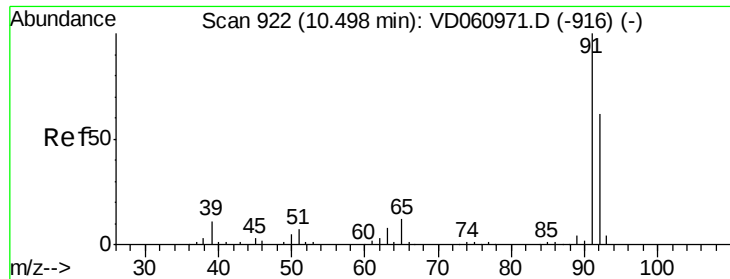
100 69.4 57.4 86.2



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#52

Toluene

Concen: 5.210 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.02 min

Lab File: VD061115.D

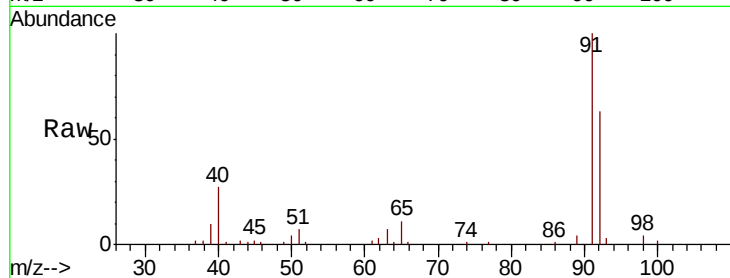
Acq: 16 Mar 2019 17:54

Tgt Ion: 92 Resp: 66048

Ion Ratio Lower Upper

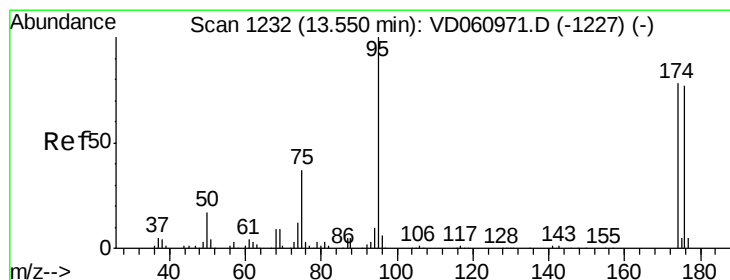
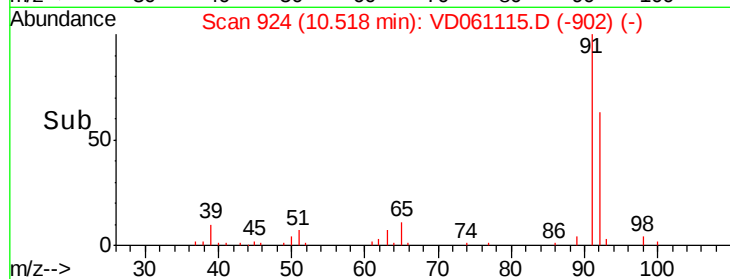
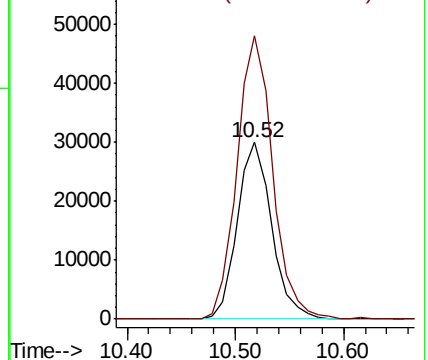
92 100

91 160.0 129.8 194.8



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: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD061115.D

Acq: 16 Mar 2019 17:54

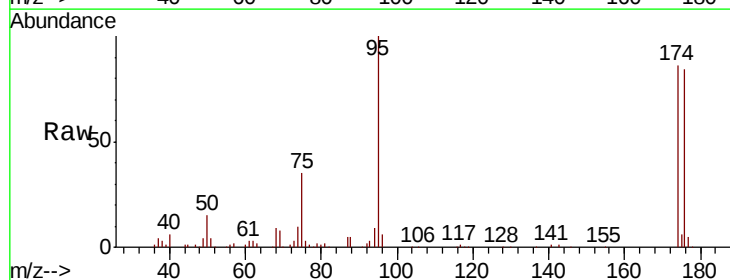
Tgt Ion: 95 Resp: 295919

Ion Ratio Lower Upper

95 100

174 86.0 0.0 155.6

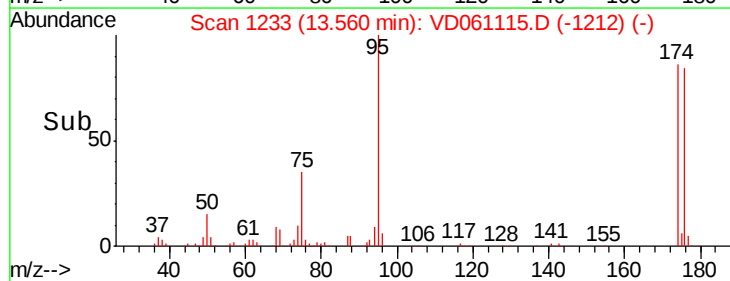
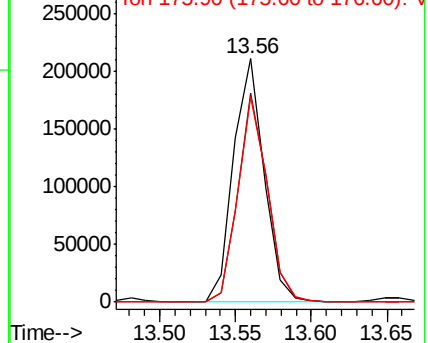
176 84.1 0.0 153.8

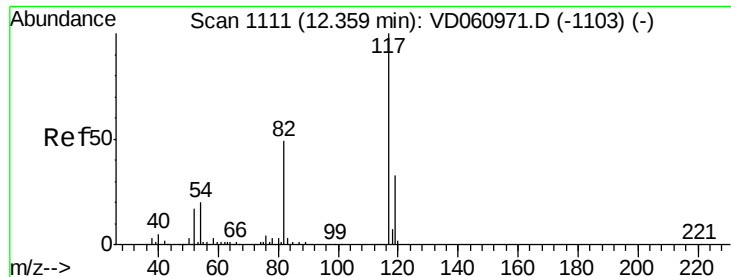


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

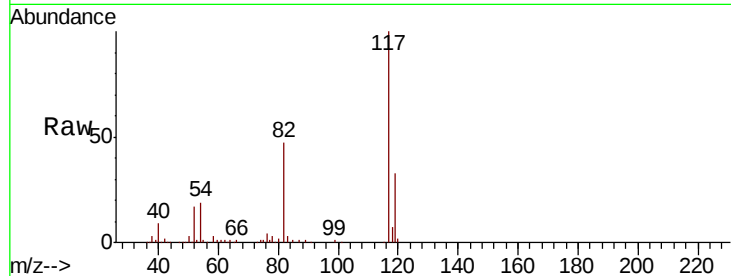
Ion 175.90 (175.60 to 176.60): V



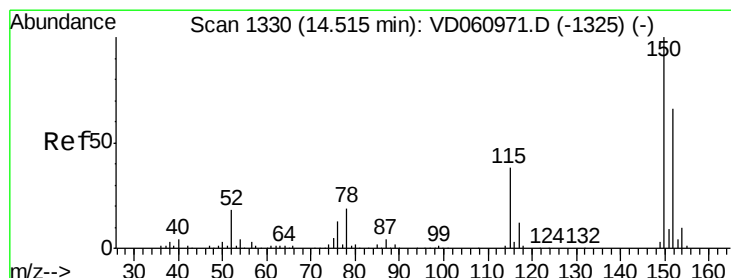
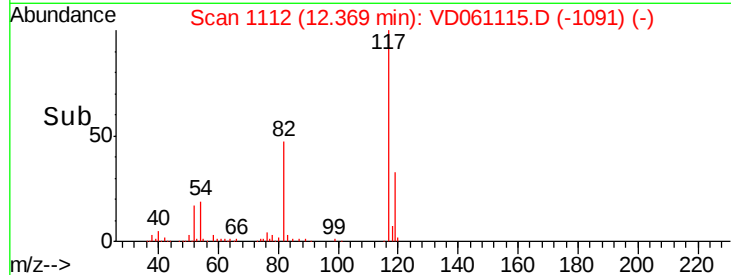
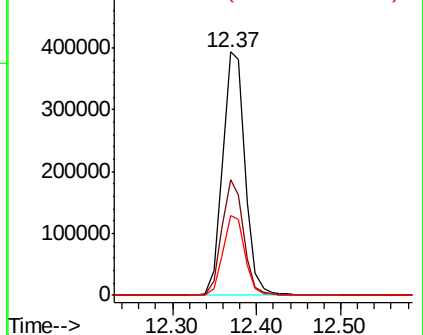


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD061115.D
Acq: 16 Mar 2019 17:54

Tgt Ion:117 Resp: 724530
Ion Ratio Lower Upper
117 100
82 47.4 38.9 58.3
119 32.6 26.6 39.8

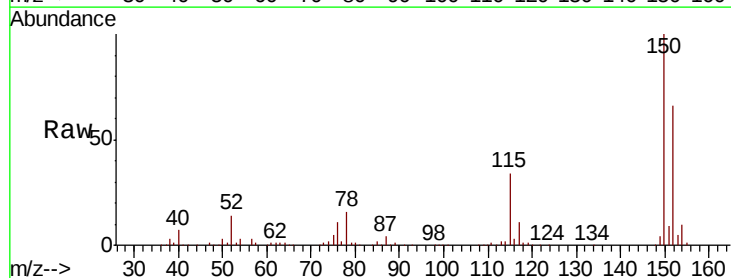


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

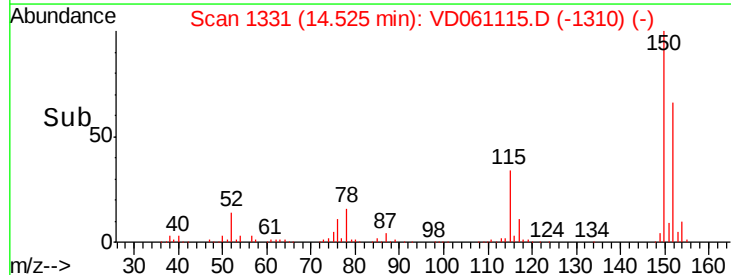
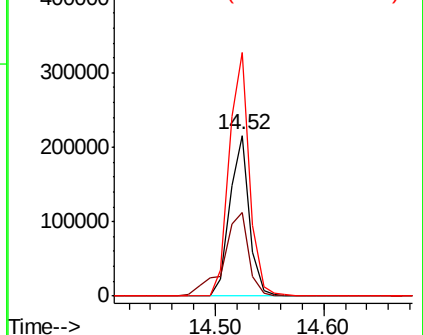


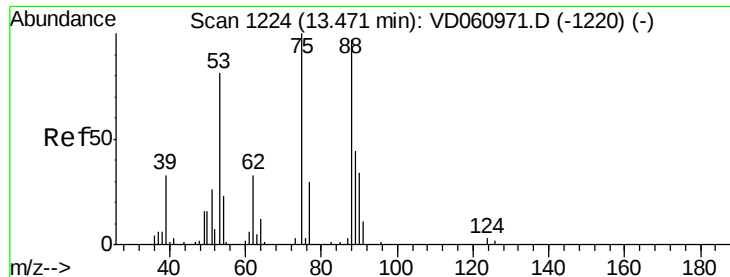
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD061115.D
Acq: 16 Mar 2019 17:54

Tgt Ion:152 Resp: 272975
Ion Ratio Lower Upper
152 100
115 52.2 28.6 85.9
150 151.5 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: 90.772 ug/l

RT: 13.56 min Scan# 1233

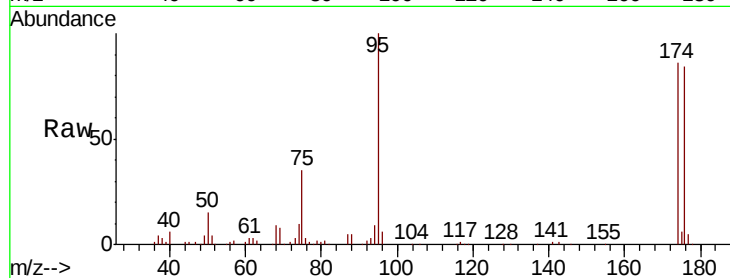
Delta R.T. 0.09 min

Lab File: VD061115.D

Acq: 16 Mar 2019 17:54

Tgt Ion: 75 Resp: 105099

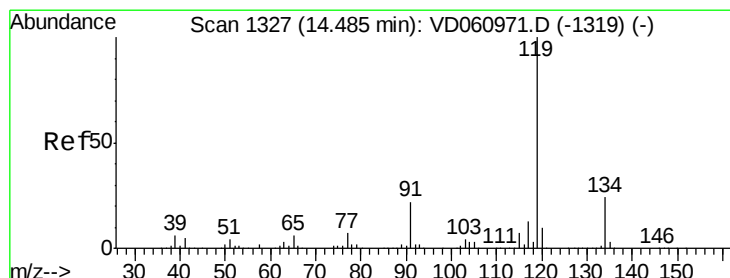
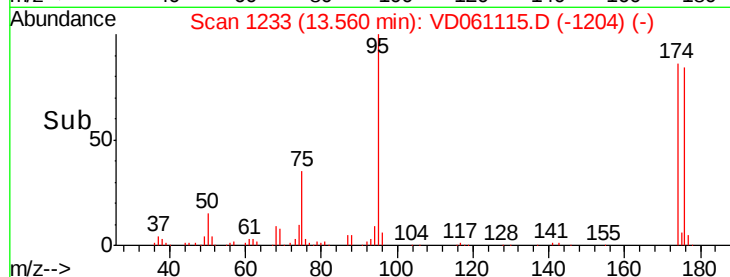
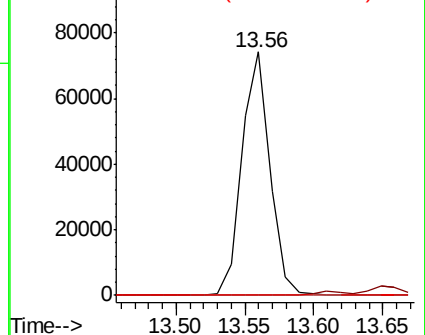
Ion	Ratio	Lower	Upper
75	100		
53	0.0	64.4	96.6#
89	0.0	34.8	52.2#



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: 26.442 ug/l

RT: 14.50 min Scan# 1328

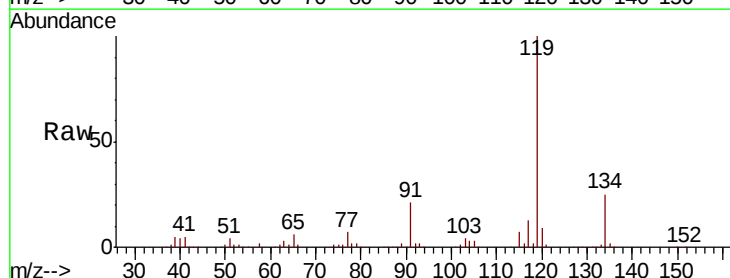
Delta R.T. 0.01 min

Lab File: VD061115.D

Acq: 16 Mar 2019 17:54

Tgt Ion: 119 Resp: 431260

Ion	Ratio	Lower	Upper
119	100		
134	24.5	12.0	36.1
91	20.7	11.2	33.6



Abundance Ion 119.05 (118.75 to 119.75): VDC

Ion 134.10 (133.80 to 134.80): VDC

Ion 91.00 (90.70 to 91.70): VDC

