

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD041819\
 Data File : VD061874.D
 Acq On : 18 Apr 2019 15:09
 Operator : VA/AP
 Sample : K2397-02RE
 Misc : 2.32g/5ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1-S2

Quant Time: Apr 18 15:42:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 13:49:04 2019
 Response via : Initial Calibration

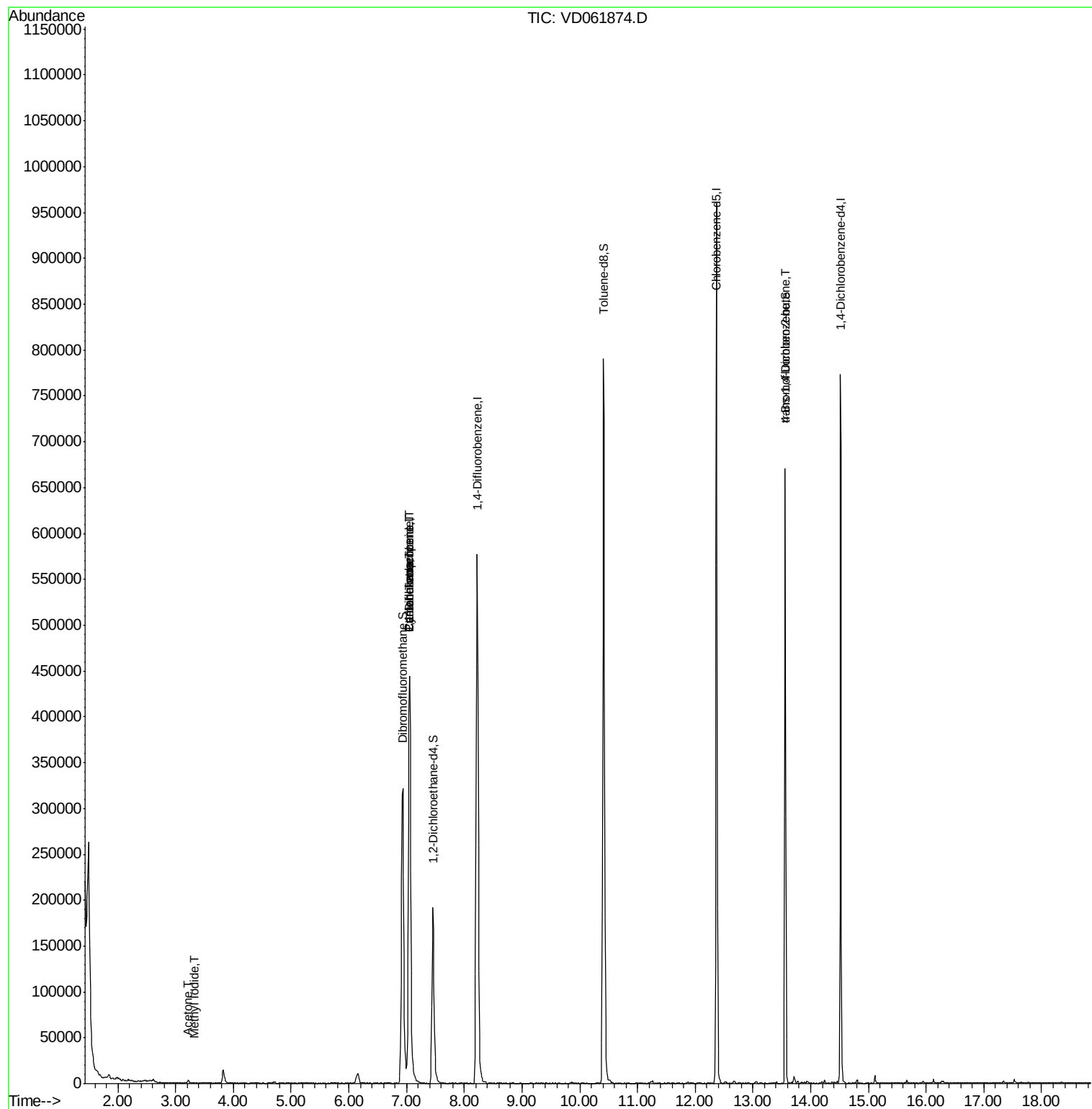
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	466939	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	717633	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	556906	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	196013	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	194123	49.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.20%	
35) Dibromofluoromethane	6.93	113	302589	55.81	ug/l	0.01
Spiked Amount 50.000			Recovery	=	111.62%	
50) Toluene-d8	10.41	98	688186	53.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.14%	
62) 4-Bromofluorobenzene	13.56	95	204663	39.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	78.62%	
Target Compounds						
5) Bromomethane	2.17	94	1260	Below Cal	#	12
10) Methyl Iodide	3.32	142	292	3.547	ug/l #	37
16) Acetone	3.22	43	5797	6.010	ug/l	97
20) Methylene Chloride	3.82	84	11540	Below Cal		94
31) Cyclohexane	7.04	56	7910	1.335	ug/l #	1
36) 1,1-Dichloropropene	7.05	75	34442	5.873	ug/l #	48
38) Carbon Tetrachloride	7.05	117	46267	6.248	ug/l #	16
81) trans-1,4-Dichloro-2-buten	13.56	75	76542	88.965	ug/l #	16

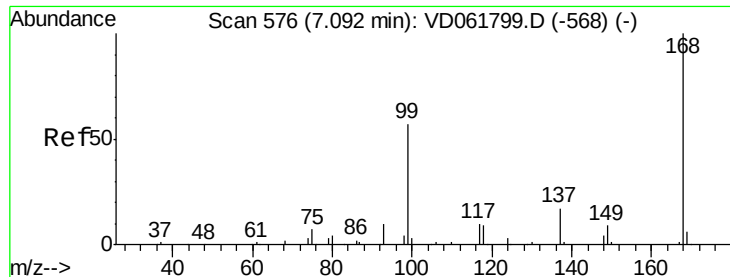
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Apr 18 13:49:04 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.00 min

Lab File: VD061874.D

Acq: 18 Apr 2019 15:09

Instrument :

MSVOA_D

ClientSampleId :

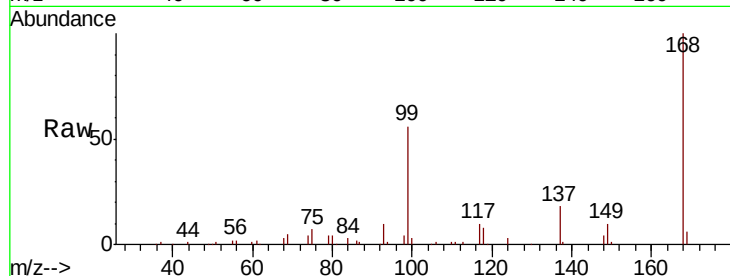
TP-1-S2

Tgt Ion:168 Resp: 466939

Ion Ratio Lower Upper

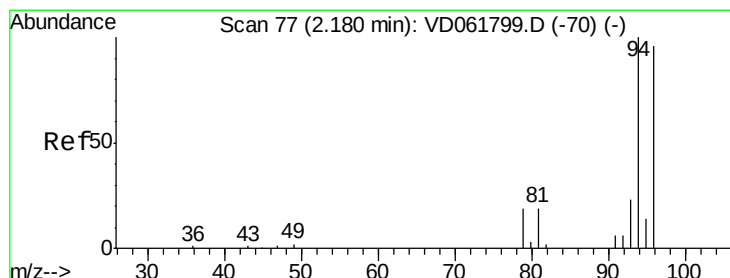
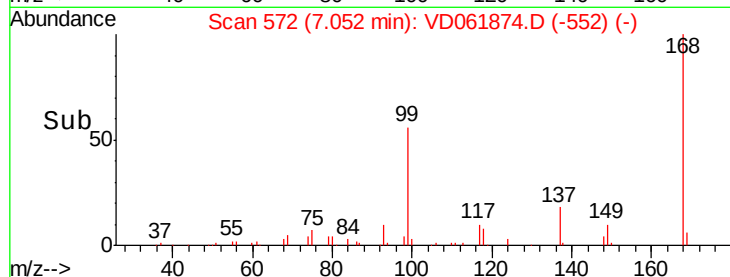
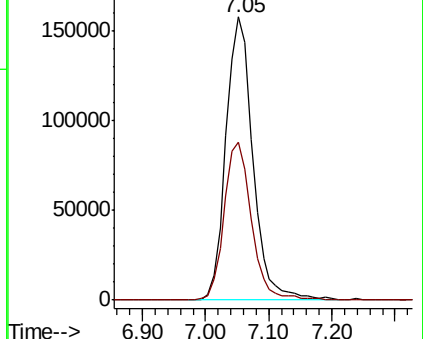
168 100

99 55.8 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: Below Cal

RT: 2.17 min Scan# 76

Delta R.T. 0.02 min

Lab File: VD061874.D

Acq: 18 Apr 2019 15:09

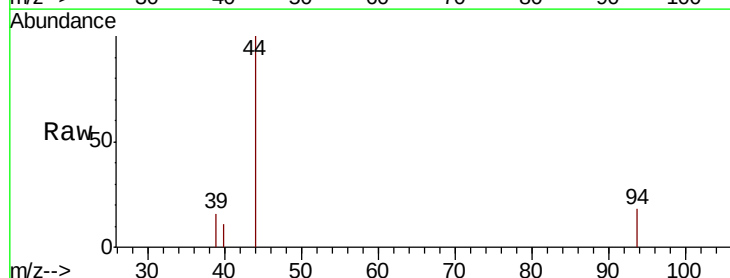
Tgt Ion: 94 Resp: 1260

Ion Ratio Lower Upper

94 100

96 0.0 76.6 115.0#

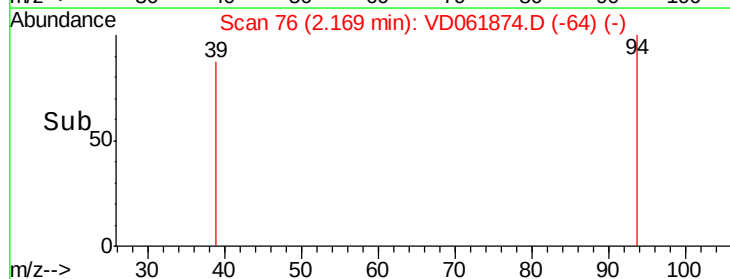
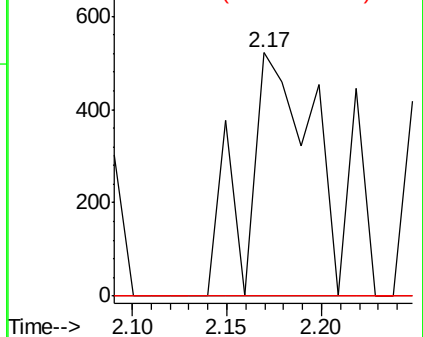
93 0.0 18.5 27.7#

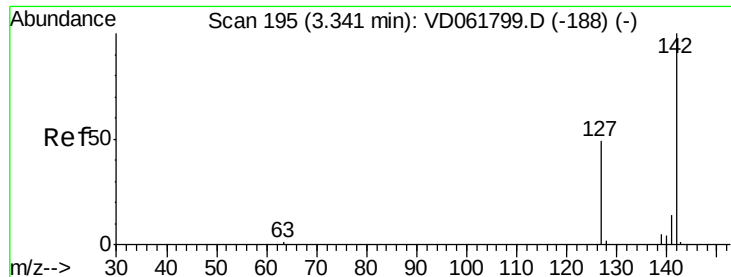


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC

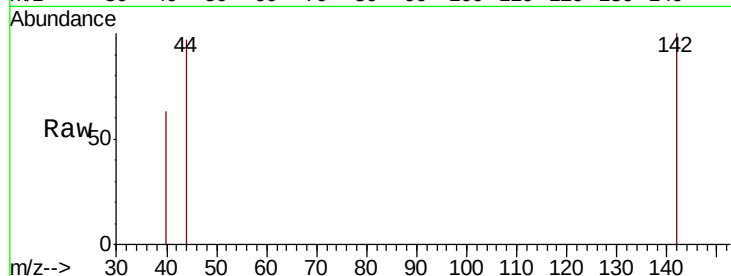




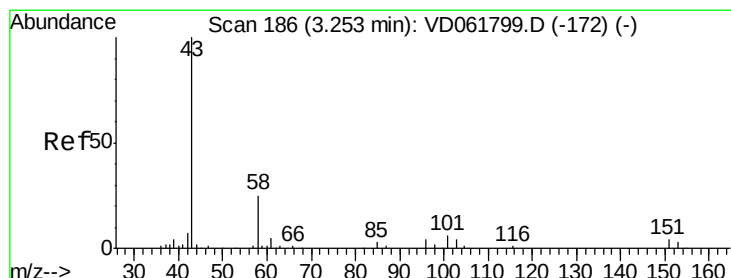
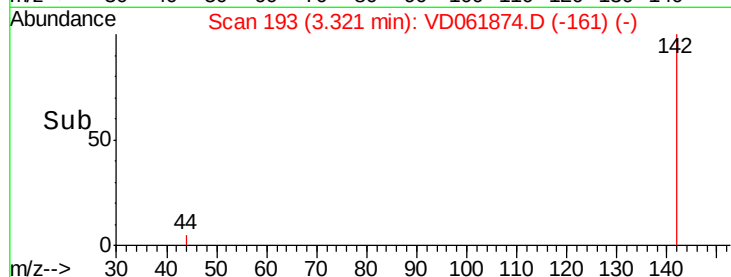
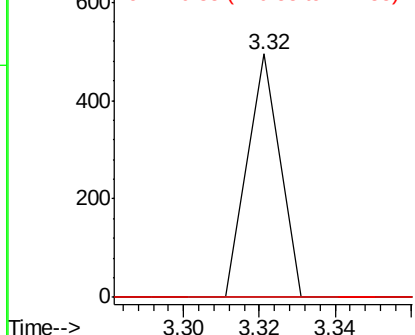
#10
Methyl Iodide
Concen: 3.547 ug/l
RT: 3.32 min Scan# 193
Delta R.T. 0.01 min
Lab File: VD061874.D
Acq: 18 Apr 2019 15:09

Instrument :
MSVOA_D
ClientSampleId :
TP-1-S2

Tgt Ion: 142 Resp: 292
Ion Ratio Lower Upper
142 100
127 0.0 38.8 58.2#
141 0.0 11.4 17.0#

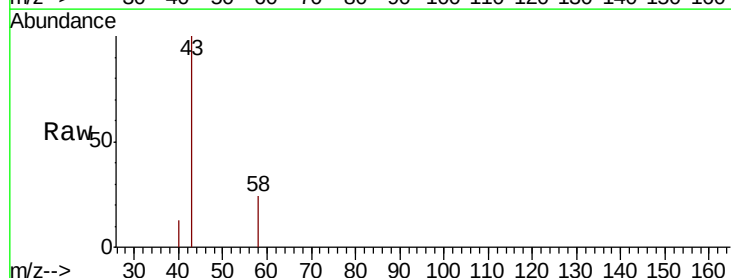


Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V

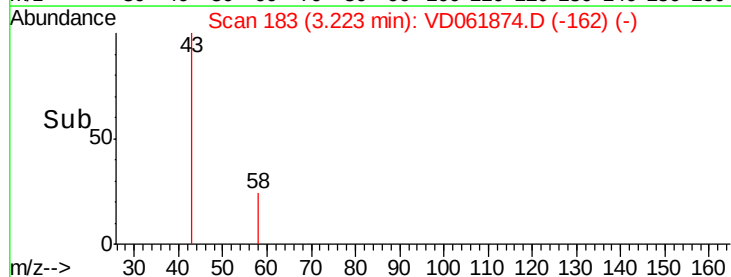
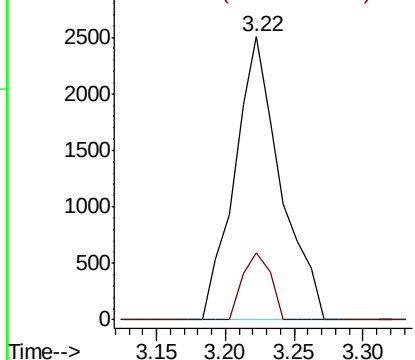


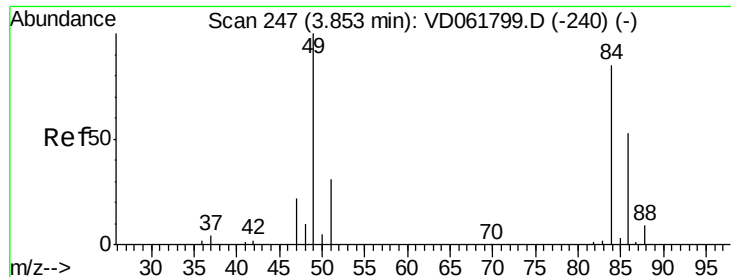
#16
Acetone
Concen: 6.010 ug/l
RT: 3.22 min Scan# 183
Delta R.T. 0.01 min
Lab File: VD061874.D
Acq: 18 Apr 2019 15:09

Tgt Ion: 43 Resp: 5797
Ion Ratio Lower Upper
43 100
58 23.6 19.9 29.9



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

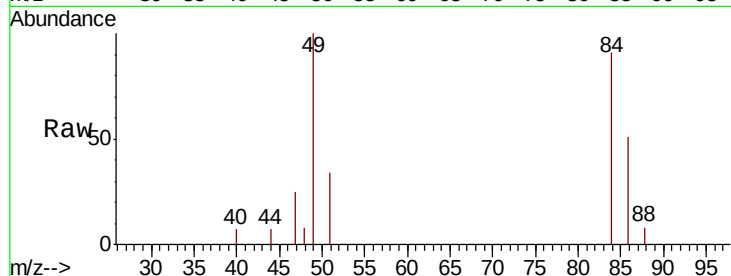




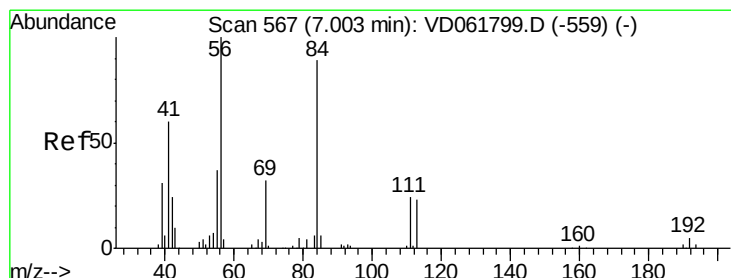
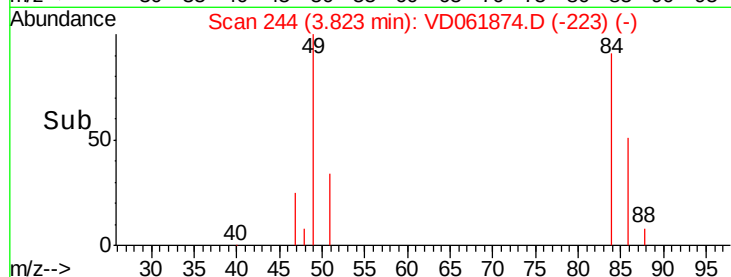
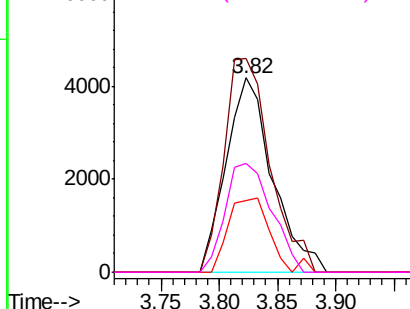
#20
Methylene Chloride
Concen: Below Cal
RT: 3.82 min Scan# 244
Delta R.T. 0.01 min
Lab File: VD061874.D
Acq: 18 Apr 2019 15:09

Instrument :
MSVOA_D
ClientSampleId :
TP-1-S2

Tgt Ion:	84	Resp:	11540
Ion	Ratio	Lower	Upper
84	100		
49	109.9	94.0	141.0
51	37.1	29.0	43.4
86	55.7	49.8	74.6

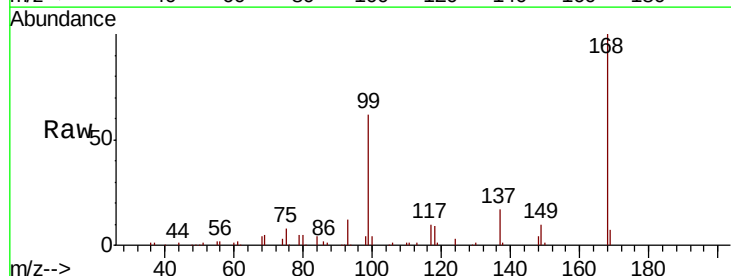


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

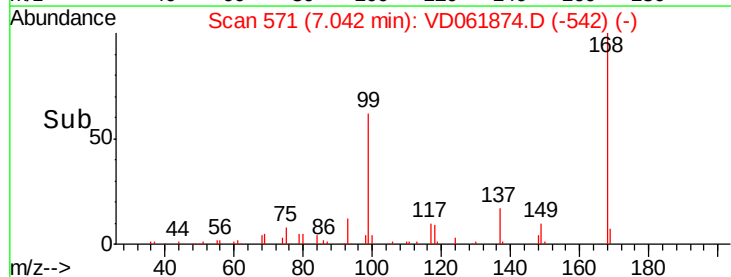
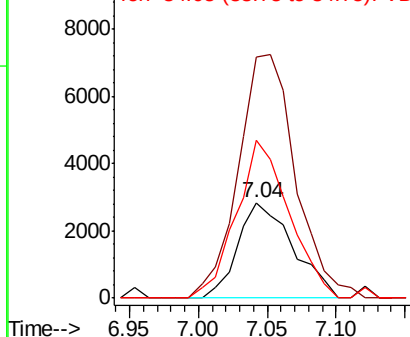


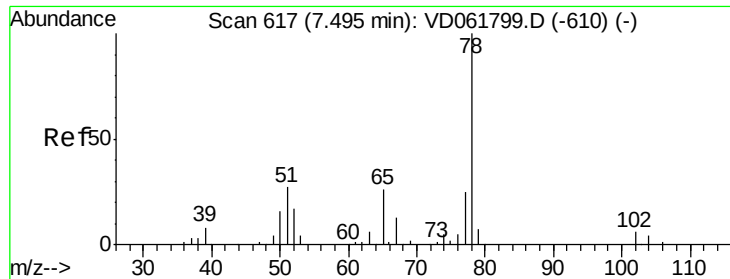
#31
Cyclohexane
Concen: 1.335 ug/l
RT: 7.04 min Scan# 571
Delta R.T. 0.09 min
Lab File: VD061874.D
Acq: 18 Apr 2019 15:09

Tgt Ion:	56	Resp:	7910
Ion	Ratio	Lower	Upper
56	100		
69	251.5	25.8	38.6#
84	165.7	72.2	108.4#



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

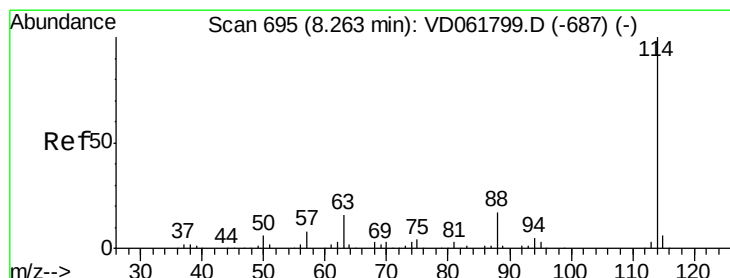
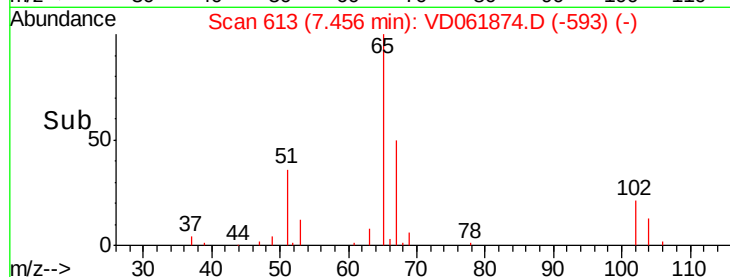
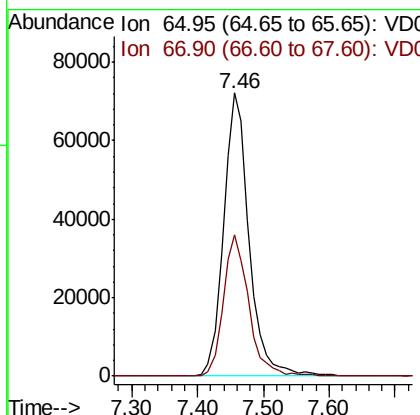
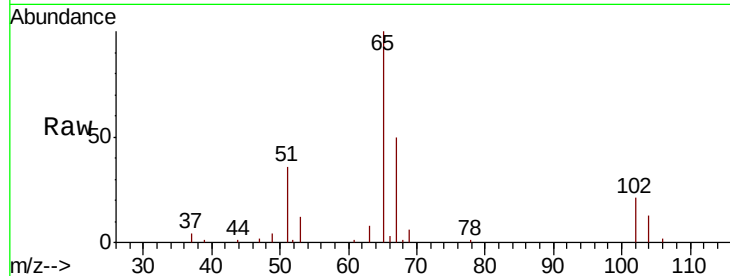




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VD061874.D
 Acq: 18 Apr 2019 15:09

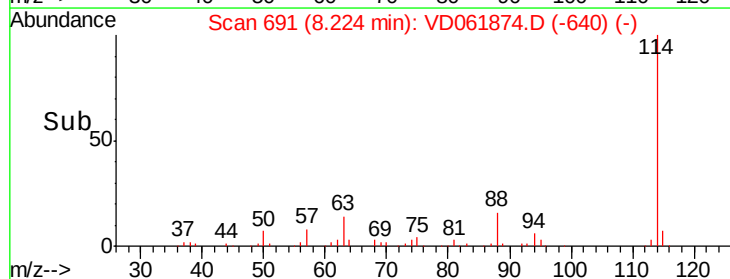
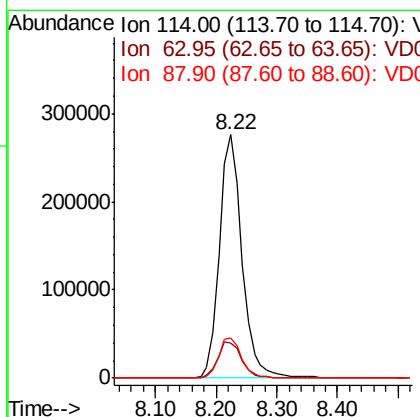
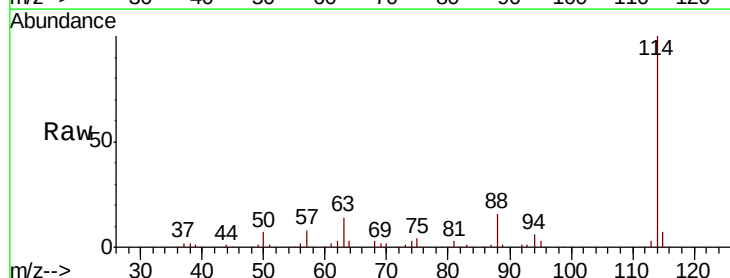
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1-S2

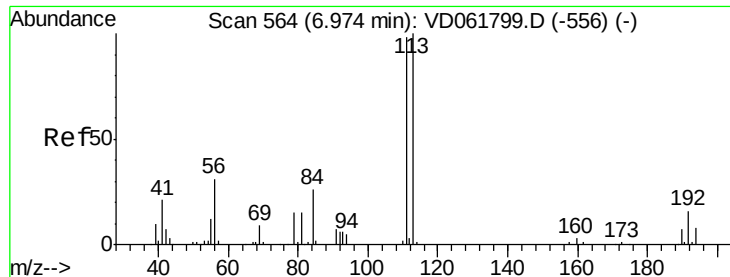
Tgt Ion: 65 Resp: 194123
 Ion Ratio Lower Upper
 65 100
 67 49.7 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 691
 Delta R.T. 0.00 min
 Lab File: VD061874.D
 Acq: 18 Apr 2019 15:09

Tgt Ion: 114 Resp: 717633
 Ion Ratio Lower Upper
 114 100
 63 14.5 0.0 32.4
 88 16.3 0.0 33.6





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.93 min Scan# 560

Delta R.T. 0.01 min

Lab File: VD061874.D

Acq: 18 Apr 2019 15:09

Instrument :

MSVOA_D

ClientSampleId :

TP-1-S2

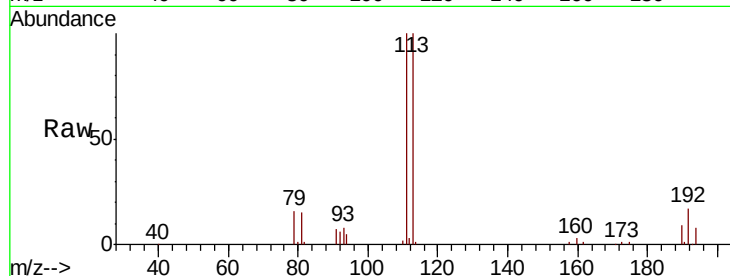
Tgt Ion:113 Resp: 302589

Ion Ratio Lower Upper

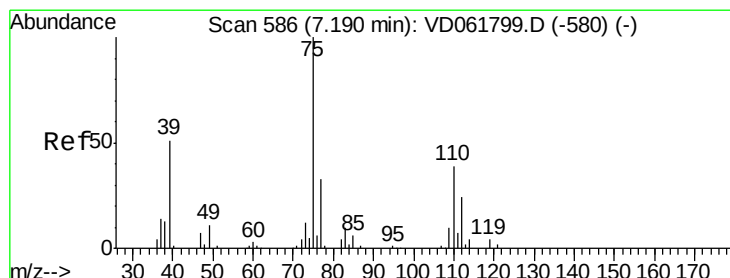
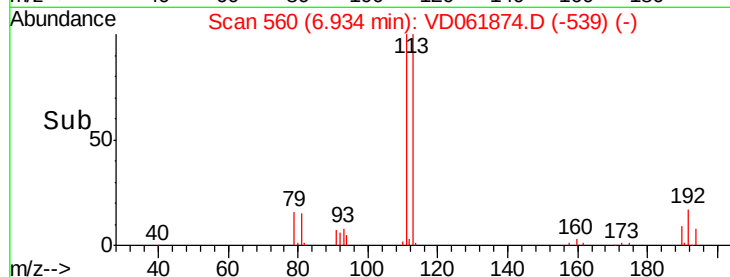
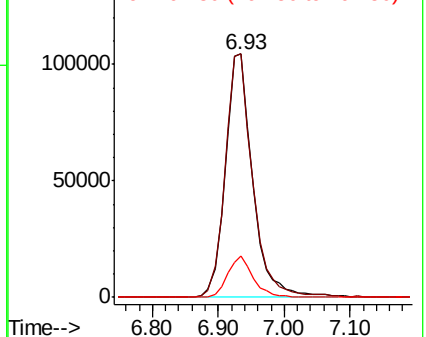
113 100

111 100.1 78.5 117.7

192 16.8 13.0 19.4



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: 5.873 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.10 min

Lab File: VD061874.D

Acq: 18 Apr 2019 15:09

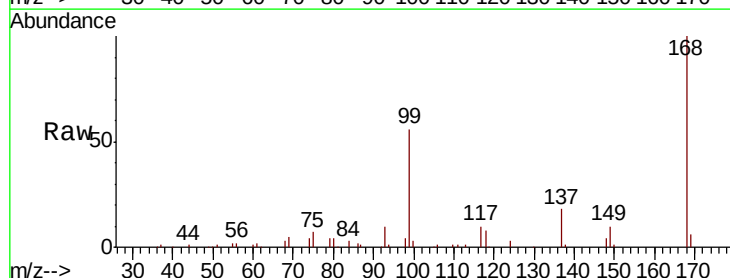
Tgt Ion: 75 Resp: 34442

Ion Ratio Lower Upper

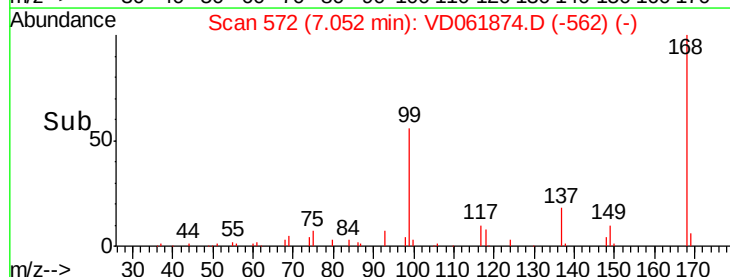
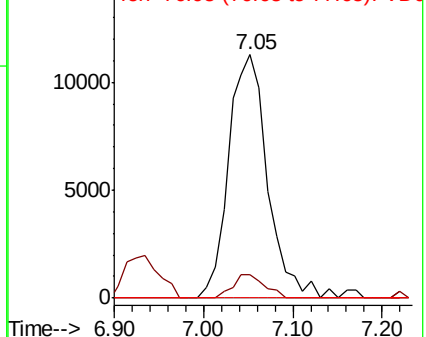
75 100

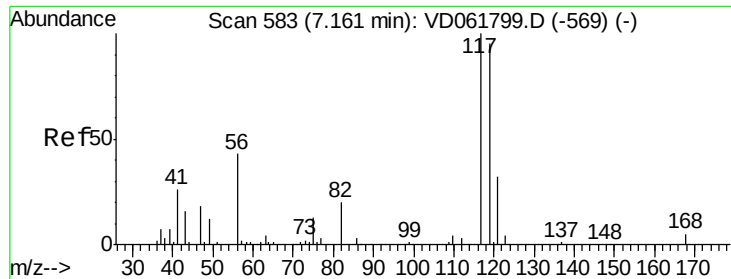
110 9.5 19.1 57.1#

77 0.0 25.6 38.4#



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





#38

Carbon Tetrachloride

Concen: 6.248 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.06 min

Lab File: VD061874.D

Acq: 18 Apr 2019 15:09

Instrument :

MSVOA_D

ClientSampleId :

TP-1-S2

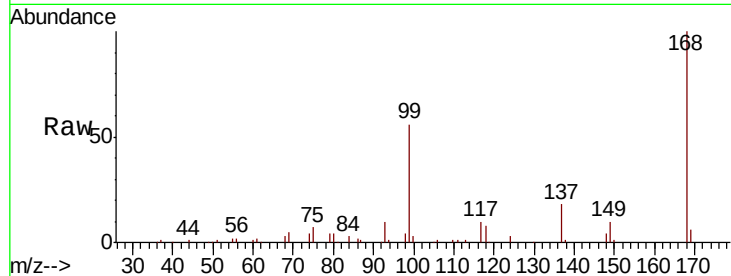
Tgt Ion:117 Resp: 46267

Ion Ratio Lower Upper

117 100

119 4.4 75.8 113.8#

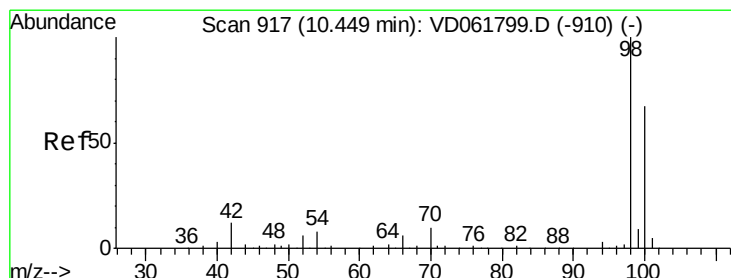
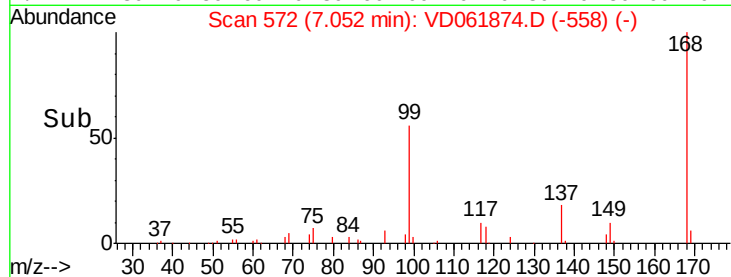
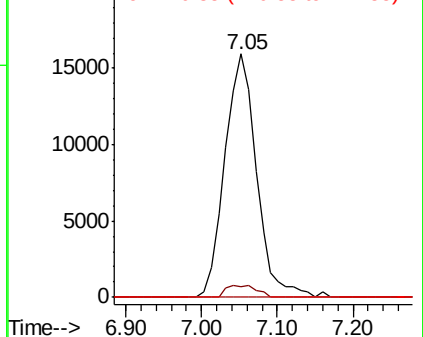
121 0.0 25.9 38.9#



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: 10.41 min Scan# 913

Delta R.T. 0.00 min

Lab File: VD061874.D

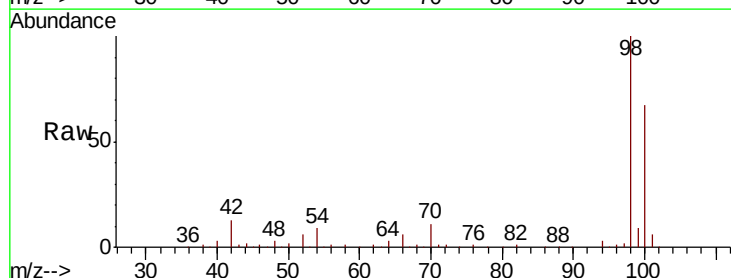
Acq: 18 Apr 2019 15:09

Tgt Ion: 98 Resp: 688186

Ion Ratio Lower Upper

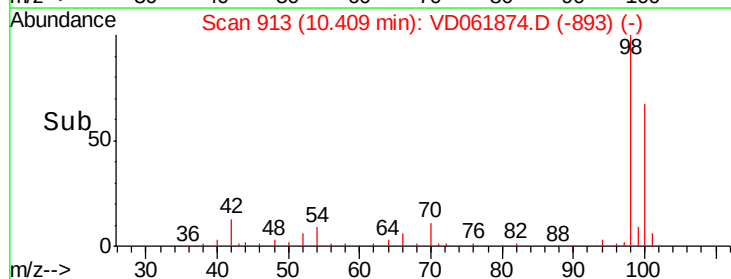
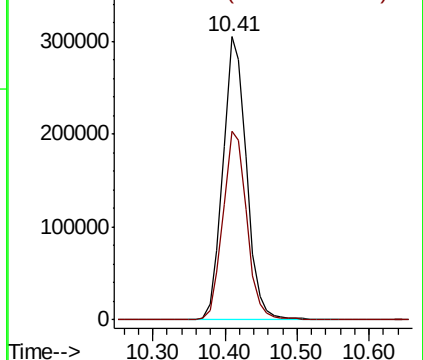
98 100

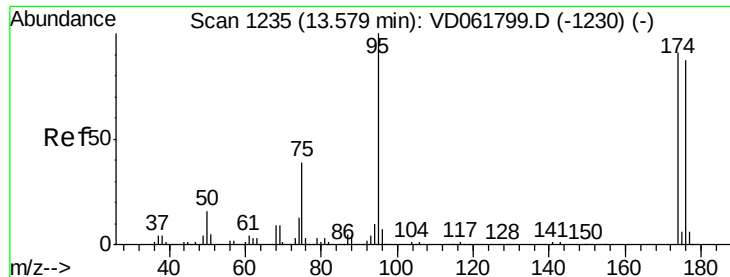
100 66.8 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

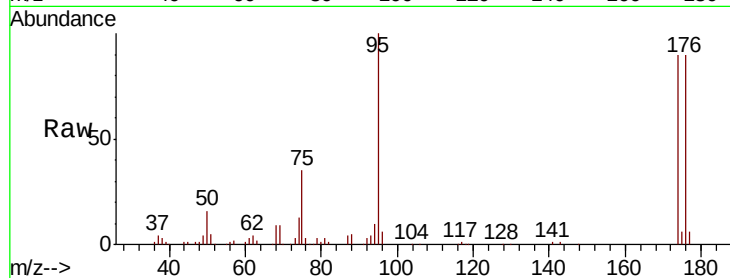




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.00 min
Lab File: VD061874.D
Acq: 18 Apr 2019 15:09

Instrument :
MSVOA_D
ClientSampleId :
TP-1-S2

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.2	0.0	181.8
176	90.4	0.0	174.4

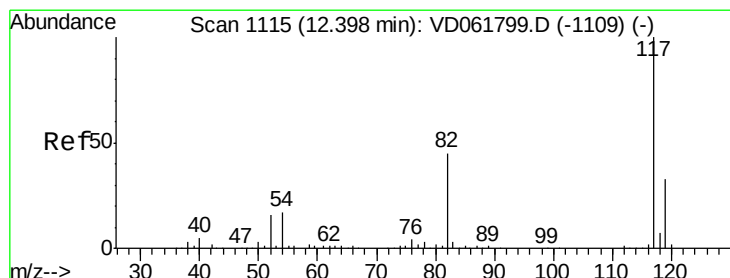
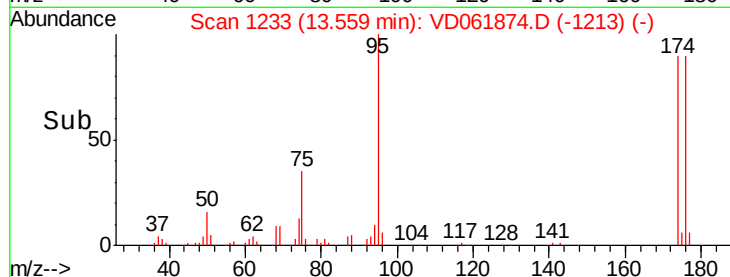
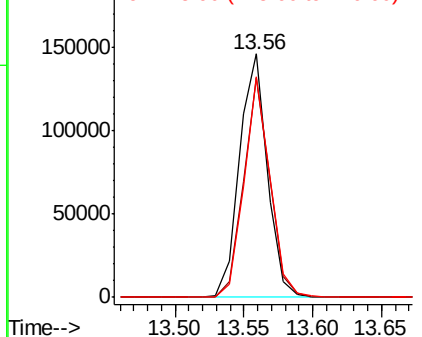


Abundance

Ion 95.00 (94.70 to 95.70): V

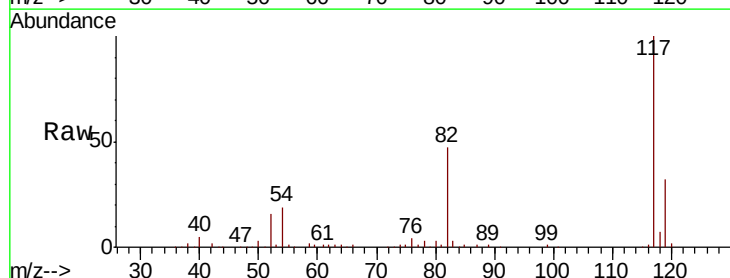
Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VD061874.D
Acq: 18 Apr 2019 15:09

Tgt Ion	Ratio	Lower	Upper
117	100		
82	47.1	36.2	54.2
119	32.3	26.2	39.4

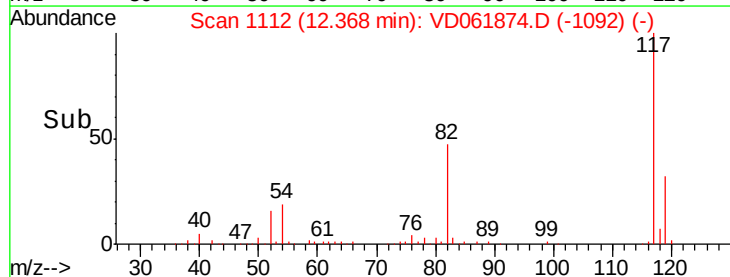
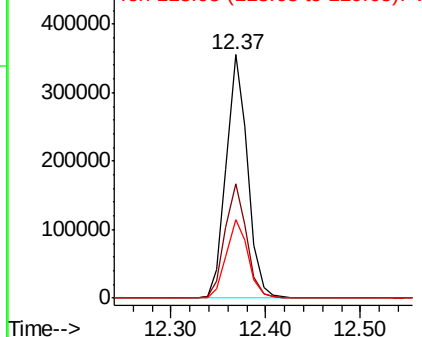


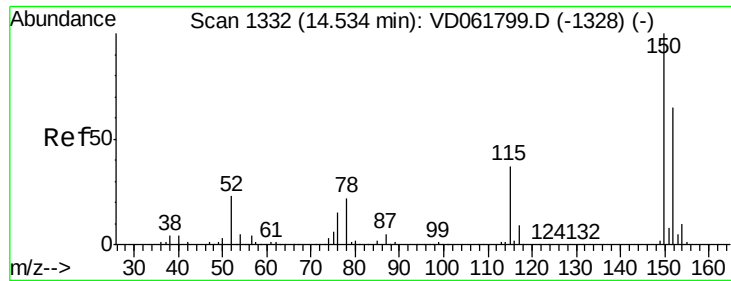
Abundance

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

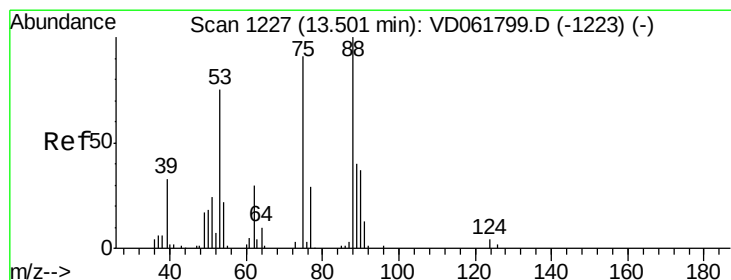
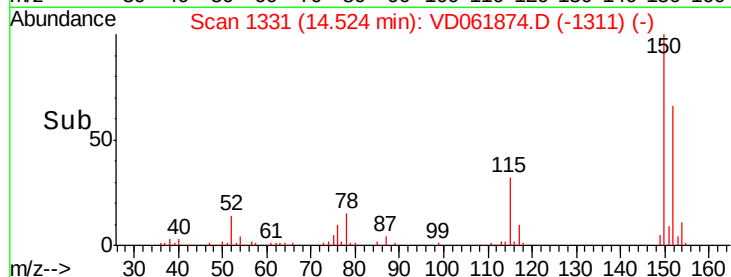
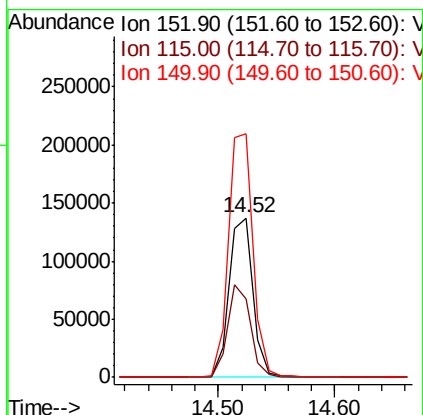
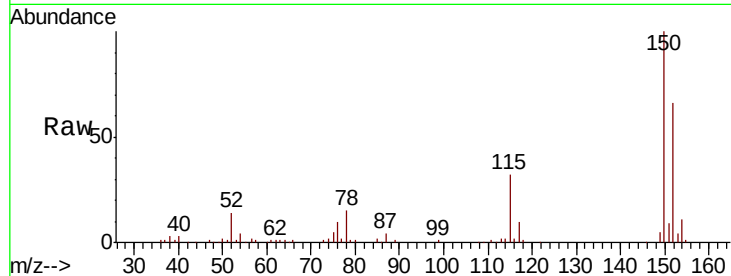




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.52 min Scan# 1331
 Delta R.T. 0.00 min
 Lab File: VD061874.D
 Acq: 18 Apr 2019 15:09

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1-S2

Tgt Ion: 152 Resp: 196013
 Ion Ratio Lower Upper
 152 100
 115 49.2 30.9 92.7
 150 152.4 0.0 314.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 88.965 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.09 min
 Lab File: VD061874.D
 Acq: 18 Apr 2019 15:09

Tgt Ion: 75 Resp: 76542
 Ion Ratio Lower Upper
 75 100
 53 0.0 65.8 98.8#
 89 0.0 35.0 52.6#

