

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042219\
 Data File : VD061943.D
 Acq On : 22 Apr 2019 17:18
 Operator : VA/AP
 Sample : K2203-15
 Misc : 6.91g/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 22 23:33:25 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	508127	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	856693	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	477068	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	266244	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	206370	48.46	ug/l	0.00
Spiked Amount						
			Recovery	=	96.92%	
35) Dibromofluoromethane	6.92	113	328379	50.74	ug/l	0.00
Spiked Amount						
			Recovery	=	101.48%	
50) Toluene-d8	10.41	98	202275	13.19	ug/l	0.00
Spiked Amount						
			Recovery	=	26.38%	
62) 4-Bromofluorobenzene	13.56	95	224470	36.11	ug/l	0.00
Spiked Amount						
			Recovery	=	72.22%	

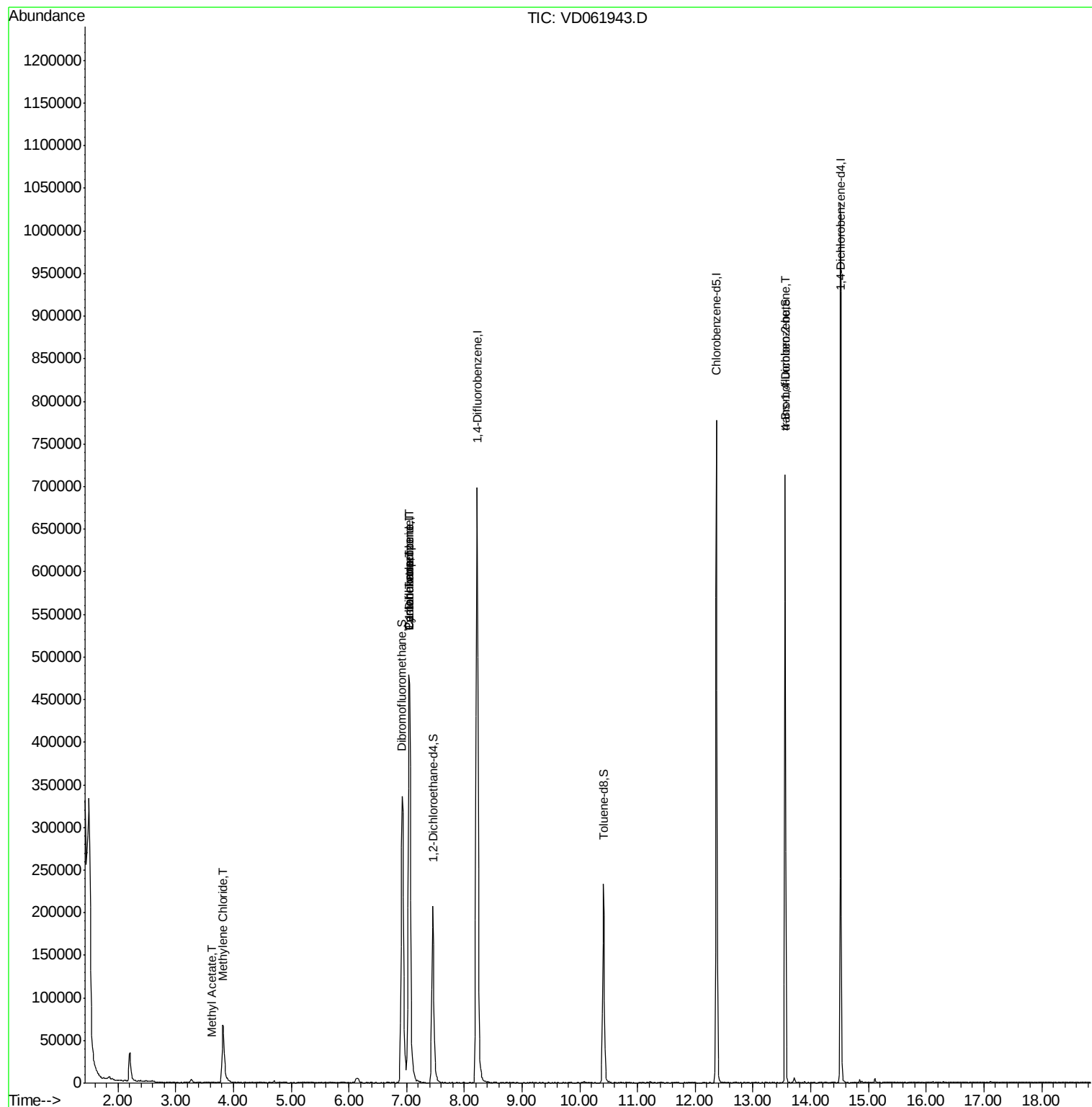
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.19	94	234	Below Cal	#	12
18) Methyl Acetate	3.64	43	2629	1.250	ug/l #	53
20) Methylene Chloride	3.82	84	52969	6.128	ug/l	94
31) Cyclohexane	7.04	56	9559	1.482	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	36327	5.189	ug/l #	46
38) Carbon Tetrachloride	7.04	117	49996	5.656	ug/l #	15
81) trans-1,4-Dichloro-2-buten	13.56	75	87430	75.343	ug/l #	16

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
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: VD061943.D

Acq: 22 Apr 2019 17:18

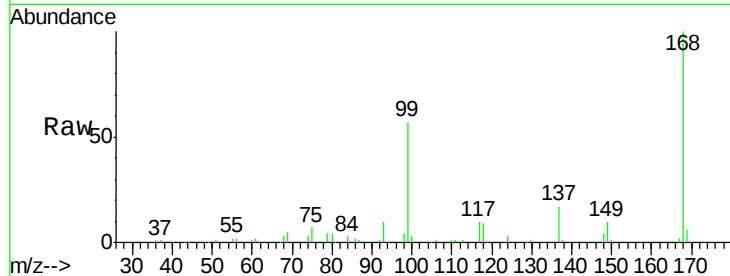
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 508127

Ion Ratio Lower Upper

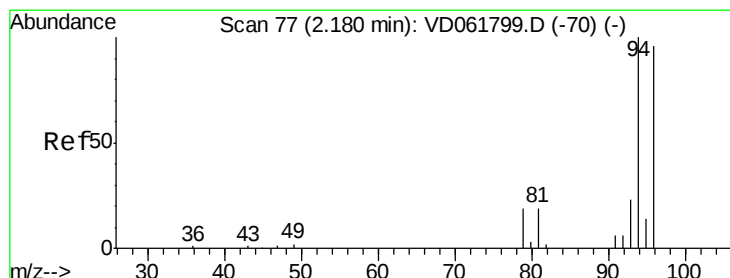
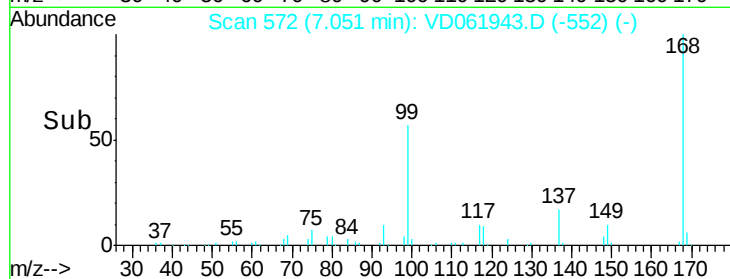
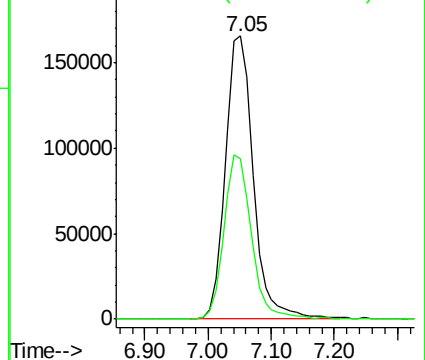
168 100

99 56.9 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: 2.19 min Scan# 78

Delta R.T. 0.04 min

Lab File: VD061943.D

Acq: 22 Apr 2019 17:18

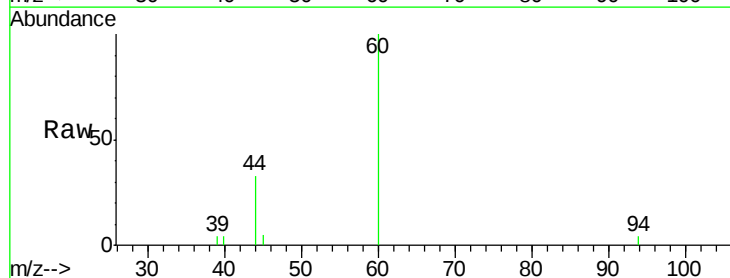
Tgt Ion: 94 Resp: 234

Ion Ratio Lower Upper

94 100

96 0.0 76.6 115.0#

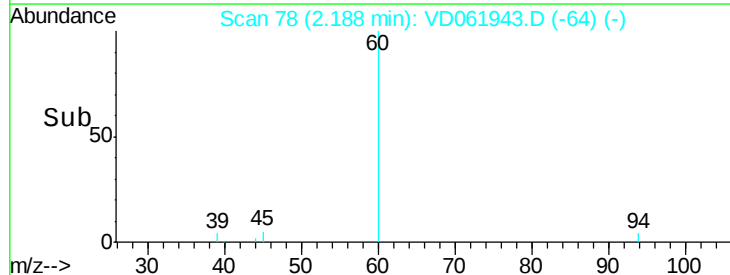
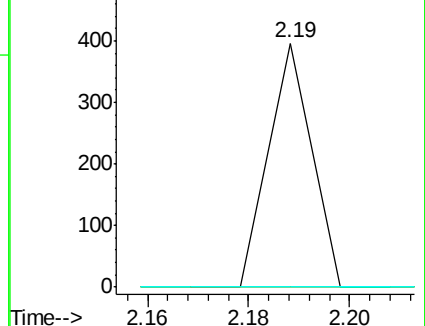
93 0.0 18.5 27.7#

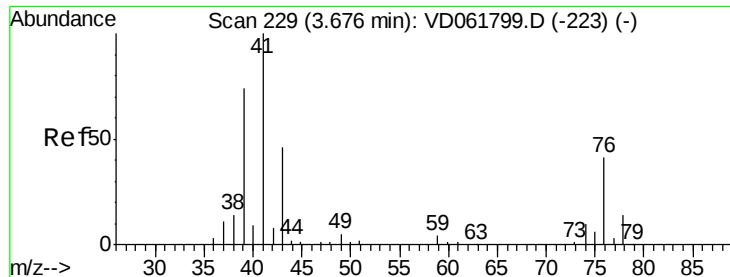


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC

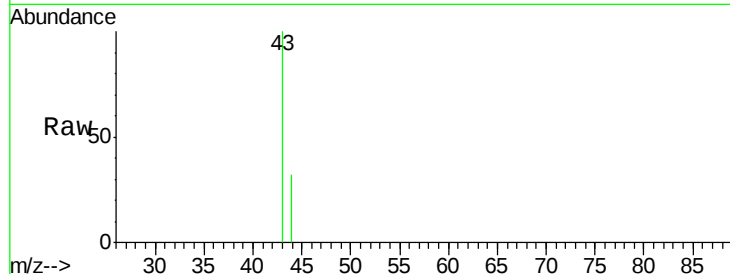




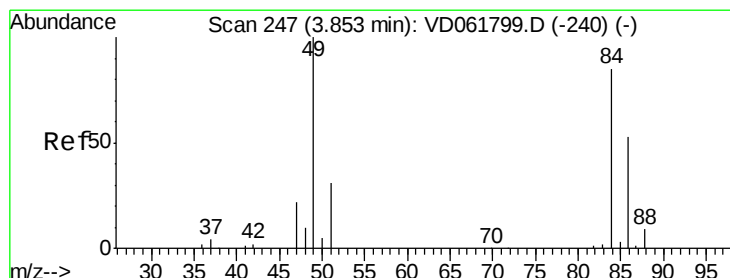
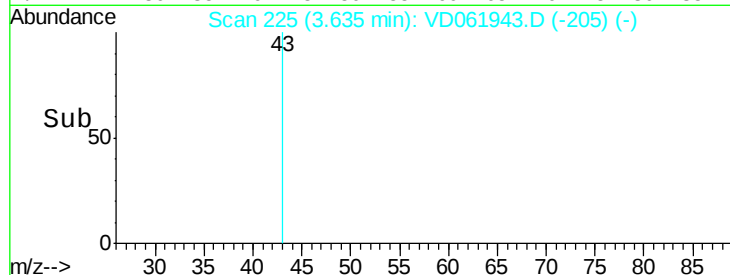
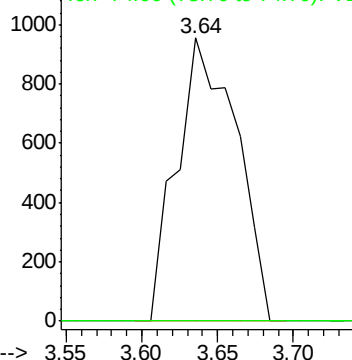
#18
Methyl Acetate
Concen: 1.250 ug/l
RT: 3.64 min Scan# 225
Delta R.T. -0.00 min
Lab File: VD061943.D
Acq: 22 Apr 2019 17:18

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 43 Resp: 2629
Ion Ratio Lower Upper
43 100
74 0.0 18.0 27.0#

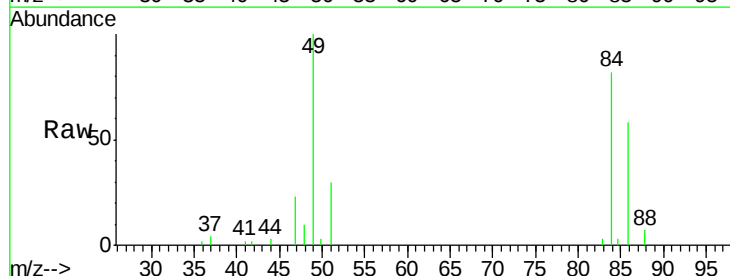


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC

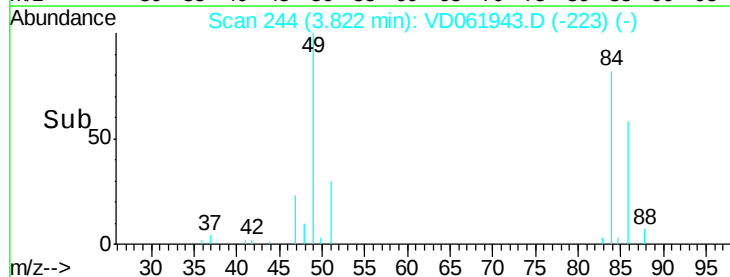
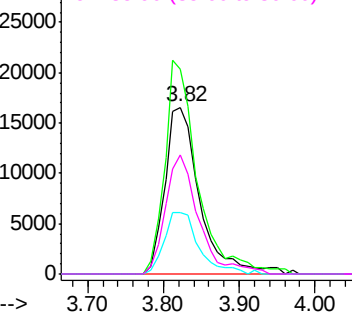


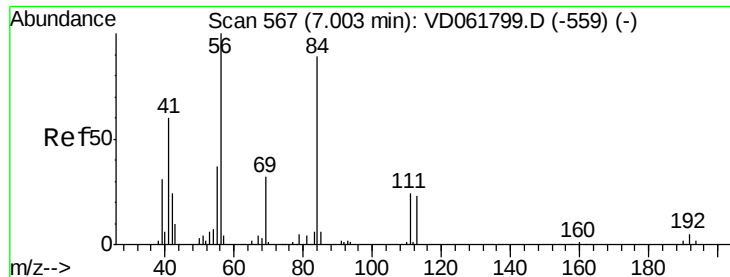
#20
Methylene Chloride
Concen: 6.128 ug/l
RT: 3.82 min Scan# 244
Delta R.T. 0.01 min
Lab File: VD061943.D
Acq: 22 Apr 2019 17:18

Tgt Ion: 84 Resp: 52969
Ion Ratio Lower Upper
84 100
49 122.4 94.0 141.0
51 37.1 29.0 43.4
86 71.2 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

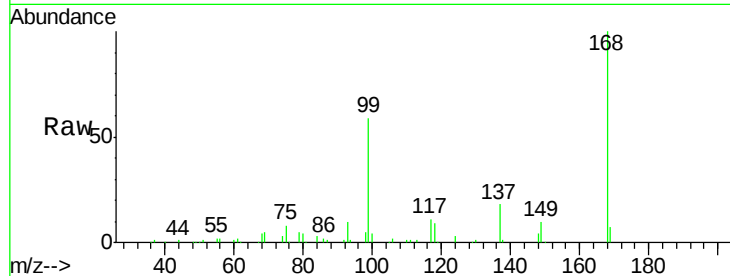




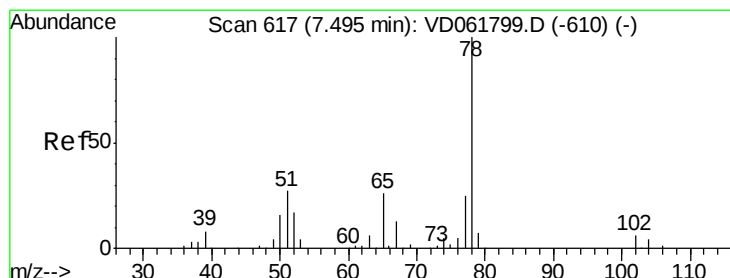
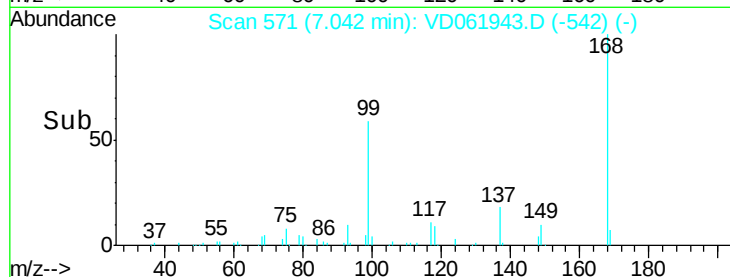
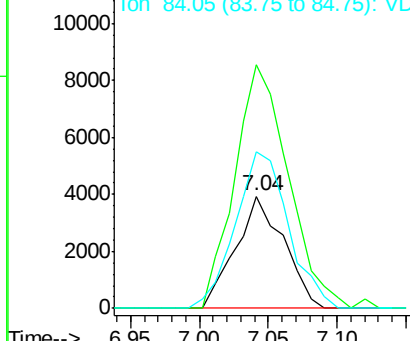
#31
Cyclohexane
Concen: 1.482 ug/l
RT: 7.04 min Scan# 571
Delta R.T. 0.09 min
Lab File: VD061943.D
Acq: 22 Apr 2019 17:18

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 9559
Ion Ratio Lower Upper
56 100
69 217.2 25.8 38.6#
84 139.7 72.2 108.4#

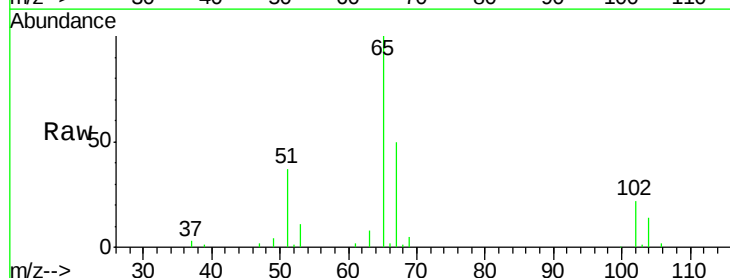


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

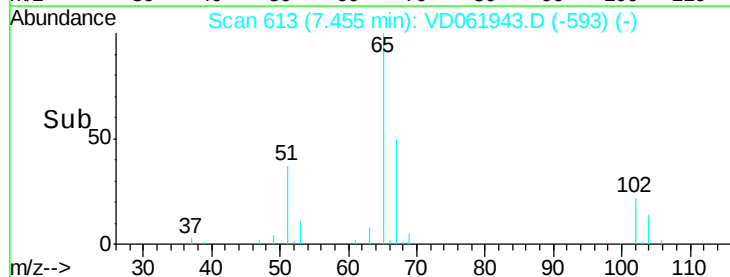
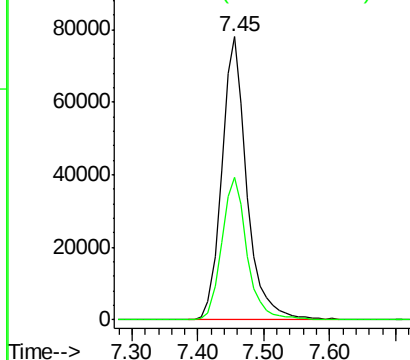


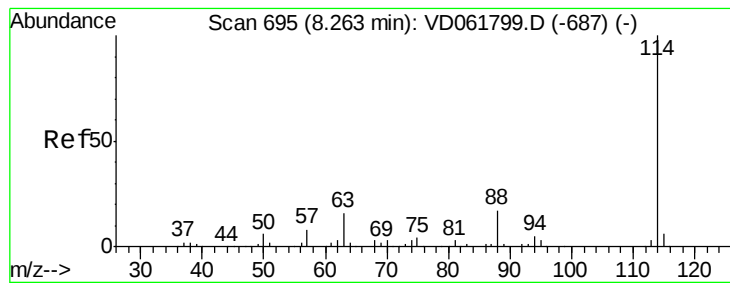
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 7.45 min Scan# 613
Delta R.T. -0.00 min
Lab File: VD061943.D
Acq: 22 Apr 2019 17:18

Tgt Ion: 65 Resp: 206370
Ion Ratio Lower Upper
65 100
67 50.3 0.0 98.0



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: 8.22 min Scan# 691

Delta R.T. -0.00 min

Lab File: VD061943.D

Acq: 22 Apr 2019 17:18

Instrument :

MSVOA_D

ClientSampleId :

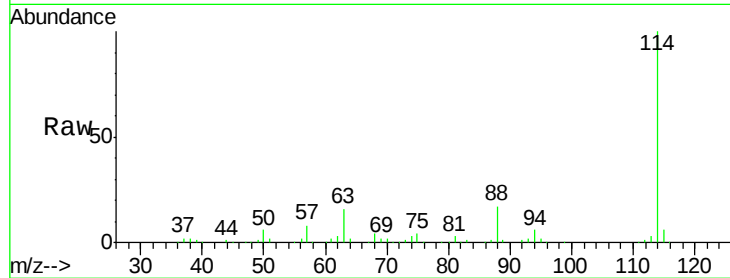
Tot Ion:114 Resp: 856693

Ion Ratio Lower Upper

114 100

63 15.7 0.0 32.4

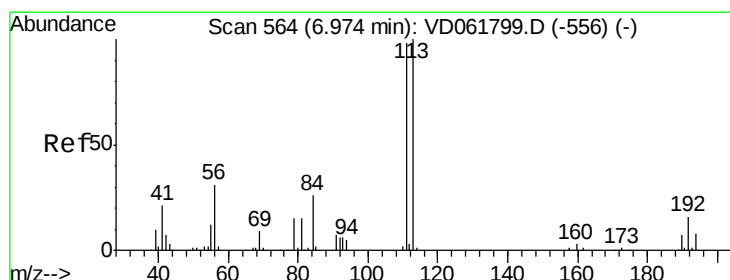
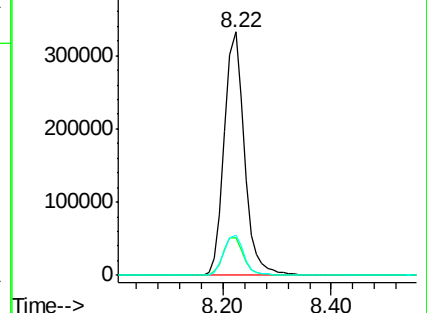
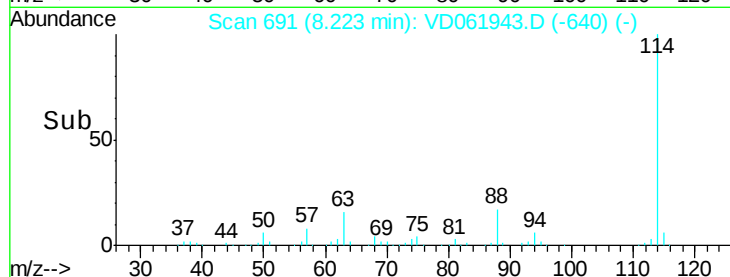
88 16.6 0.0 33.6



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: 6.92 min Scan# 559

Delta R.T. -0.00 min

Lab File: VD061943.D

Acq: 22 Apr 2019 17:18

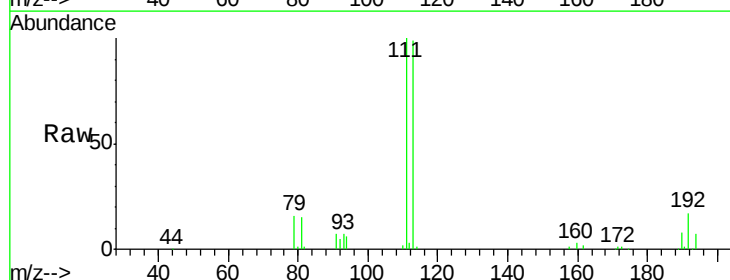
Tgt Ion:113 Resp: 328379

Ion Ratio Lower Upper

113 100

111 101.1 78.5 117.7

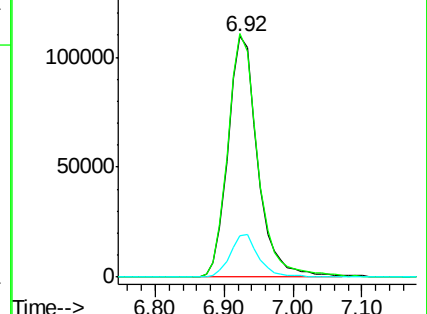
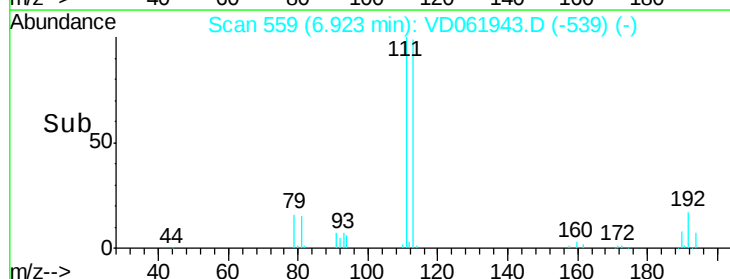
192 17.1 13.0 19.4

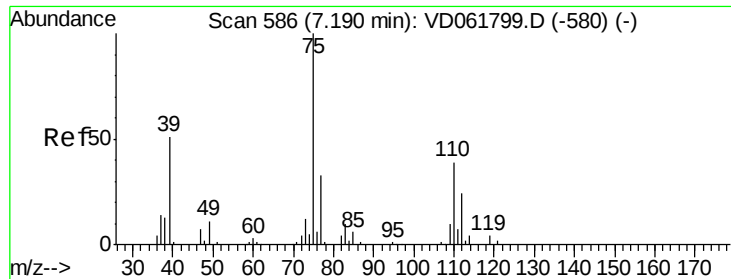


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 5.189 ug/l

RT: 7.04 min Scan# 571

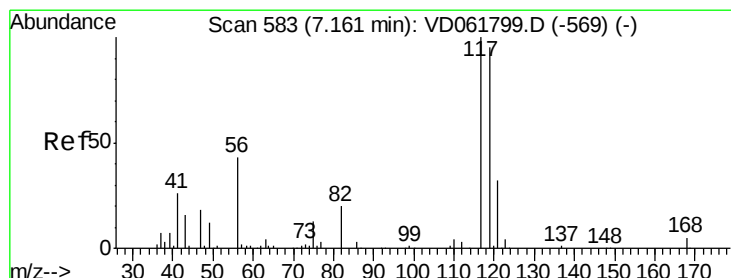
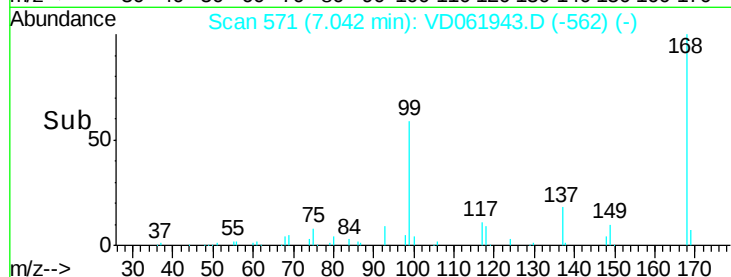
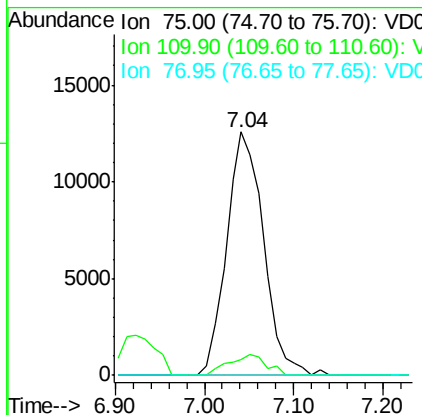
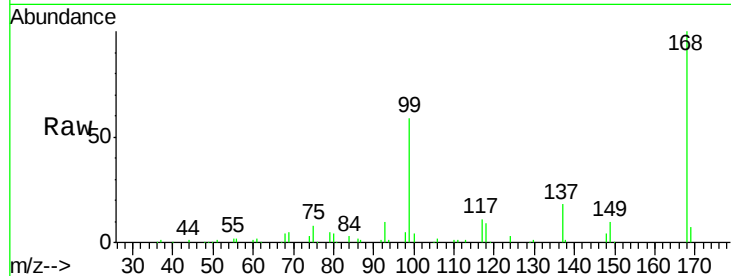
Delta R.T. -0.11 min

Lab File: VD061943.D

Acq: 22 Apr 2019 17:18

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	75	Resp:	36327
Ion	Ratio	Lower	Upper
75	100		
110	6.7	19.1	57.1#
77	0.0	25.6	38.4#



#38

Carbon Tetrachloride

Concen: 5.656 ug/l

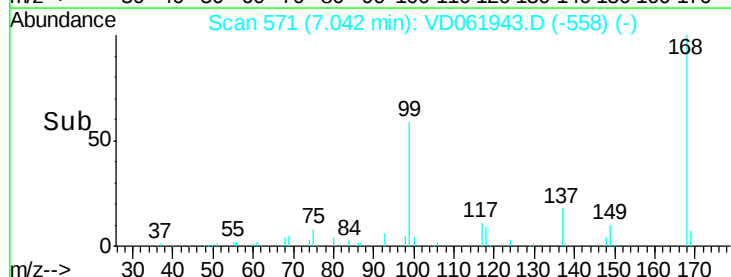
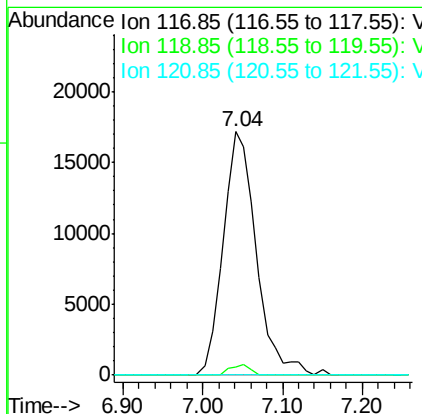
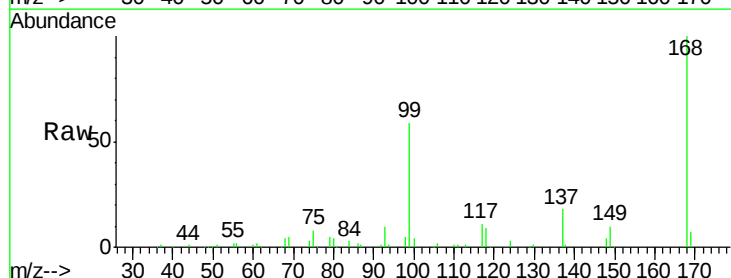
RT: 7.04 min Scan# 571

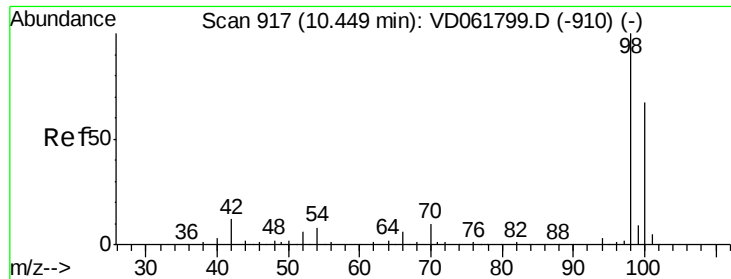
Delta R.T. -0.07 min

Lab File: VD061943.D

Acq: 22 Apr 2019 17:18

Tgt Ion:	117	Resp:	49996
Ion	Ratio	Lower	Upper
117	100		
119	3.4	75.8	113.8#
121	0.0	25.9	38.9#

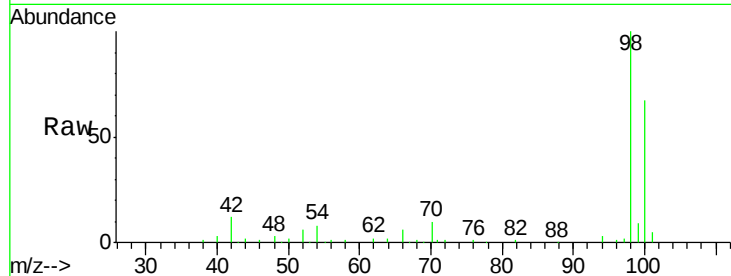




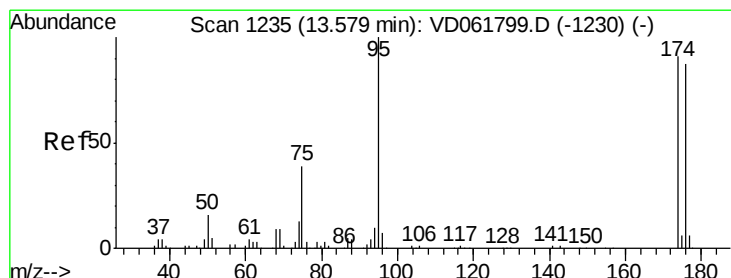
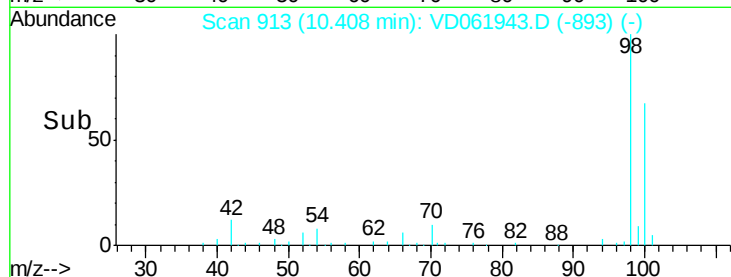
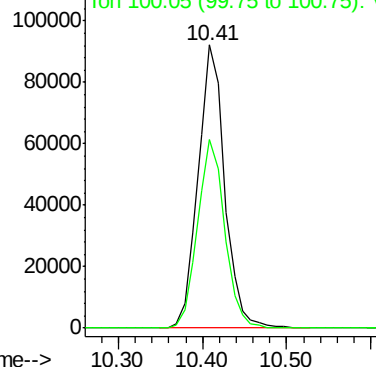
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD061943.D
Acq: 22 Apr 2019 17:18

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 98 Resp: 202275
Ion Ratio Lower Upper
98 100
100 66.6 53.8 80.8

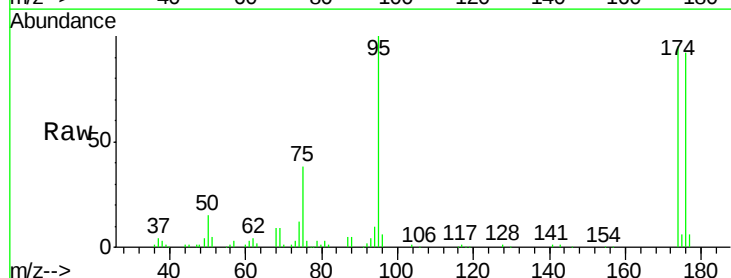


Abundance Ion 98.05 (97.75 to 98.75): VD0
Ion 100.05 (99.75 to 100.75): VD

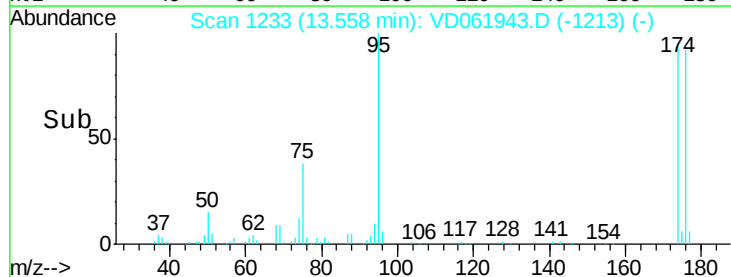
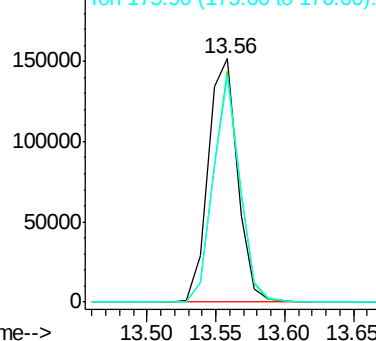


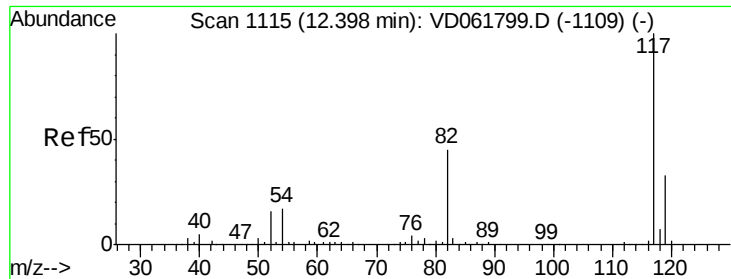
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.56 min Scan# 1233
Delta R.T. -0.00 min
Lab File: VD061943.D
Acq: 22 Apr 2019 17:18

Tgt Ion: 95 Resp: 224470
Ion Ratio Lower Upper
95 100
174 94.7 0.0 181.8
176 92.5 0.0 174.4



Abundance Ion 95.00 (94.70 to 95.70): VD0
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

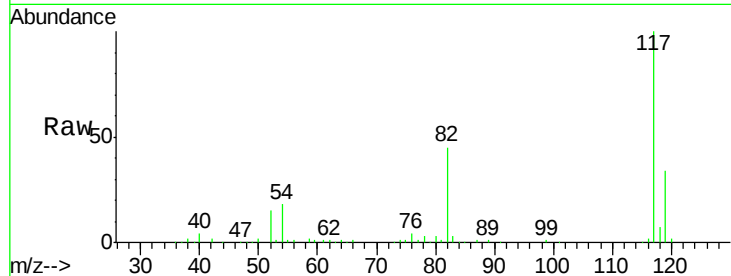




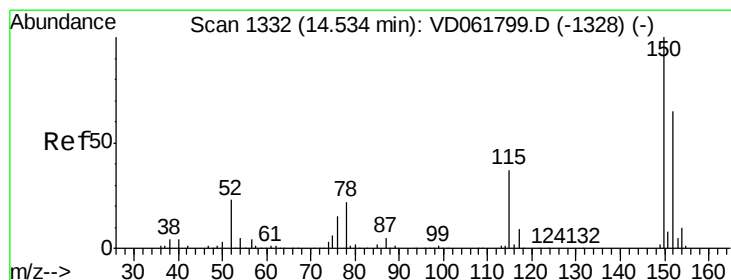
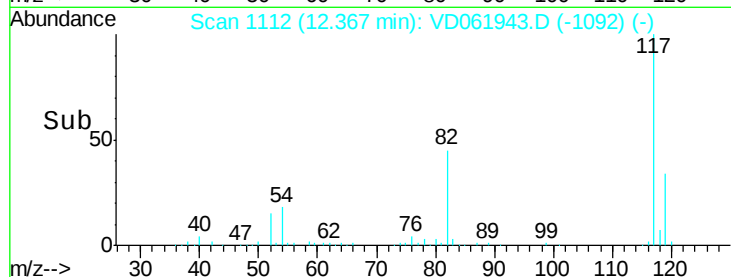
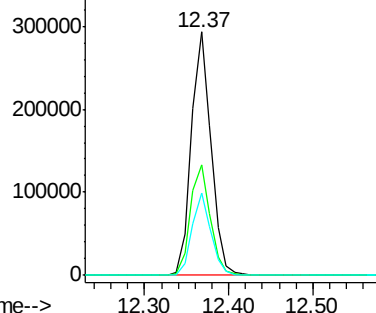
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD061943.D
Acq: 22 Apr 2019 17:18

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 477068
Ion Ratio Lower Upper
117 100
82 45.2 36.2 54.2
119 33.6 26.2 39.4

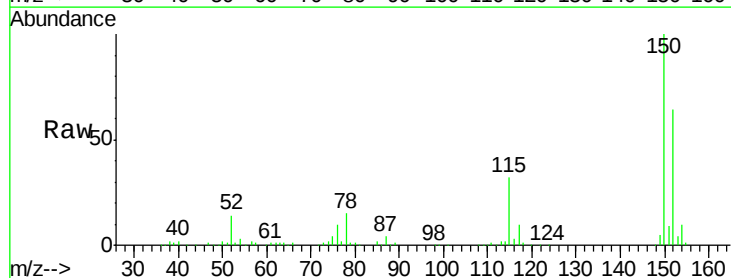


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

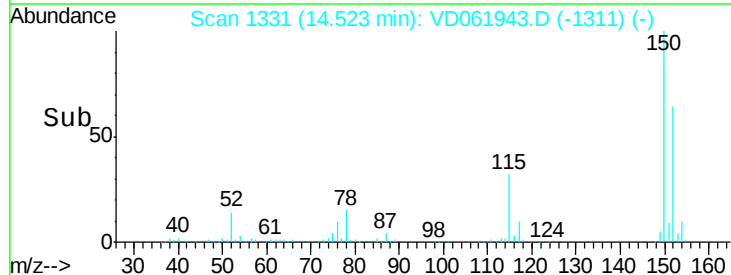
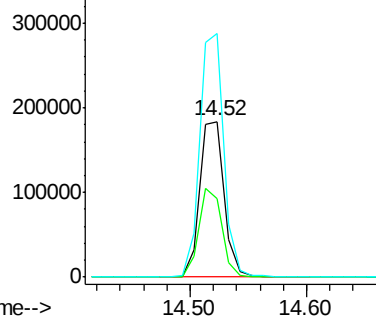


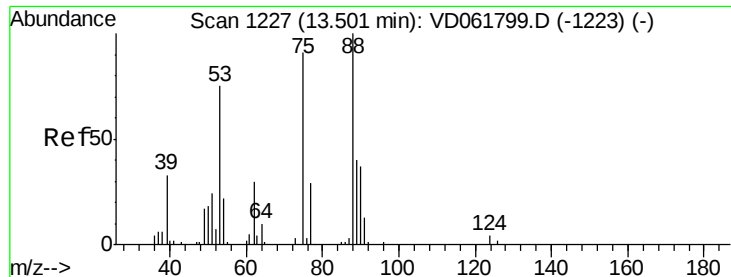
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. -0.00 min
Lab File: VD061943.D
Acq: 22 Apr 2019 17:18

Tgt Ion:152 Resp: 266244
Ion Ratio Lower Upper
152 100
115 50.1 30.9 92.7
150 156.7 0.0 314.8



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





#81

trans-1,4-Dichloro-2-butene

Concen: 75.343 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD061943.D

Acq: 22 Apr 2019 17:18

Instrument :

MSVOA_D

ClientSampleId :

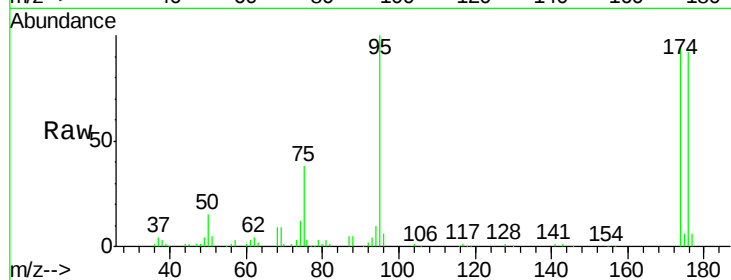
Tot Ion: 75 Resp: 87430

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

89 0.0 35.0 52.6#



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

