

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031119\
 Data File : VD061008.D
 Acq On : 11 Mar 2019 16:54
 Operator : VA/AP
 Sample : K1807-37RE
 Misc : 5.06g/5ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-19RE

Quant Time: Mar 12 05:43:32 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	697521	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	1395079	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.38	117	1090773	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	514106	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	396245	68.25	ug/l	0.02
Spiked Amount				50.000		
Recovery						136.50%
35) Dibromofluoromethane	6.94	113	546560	52.79	ug/l	0.02
Spiked Amount				50.000		
Recovery						105.58%
50) Toluene-d8	10.42	98	1256236	48.32	ug/l	0.02
Spiked Amount				50.000		
Recovery						96.64%
62) 4-Bromofluorobenzene	13.56	95	508122	50.37	ug/l	0.00
Spiked Amount				50.000		
Recovery						100.74%

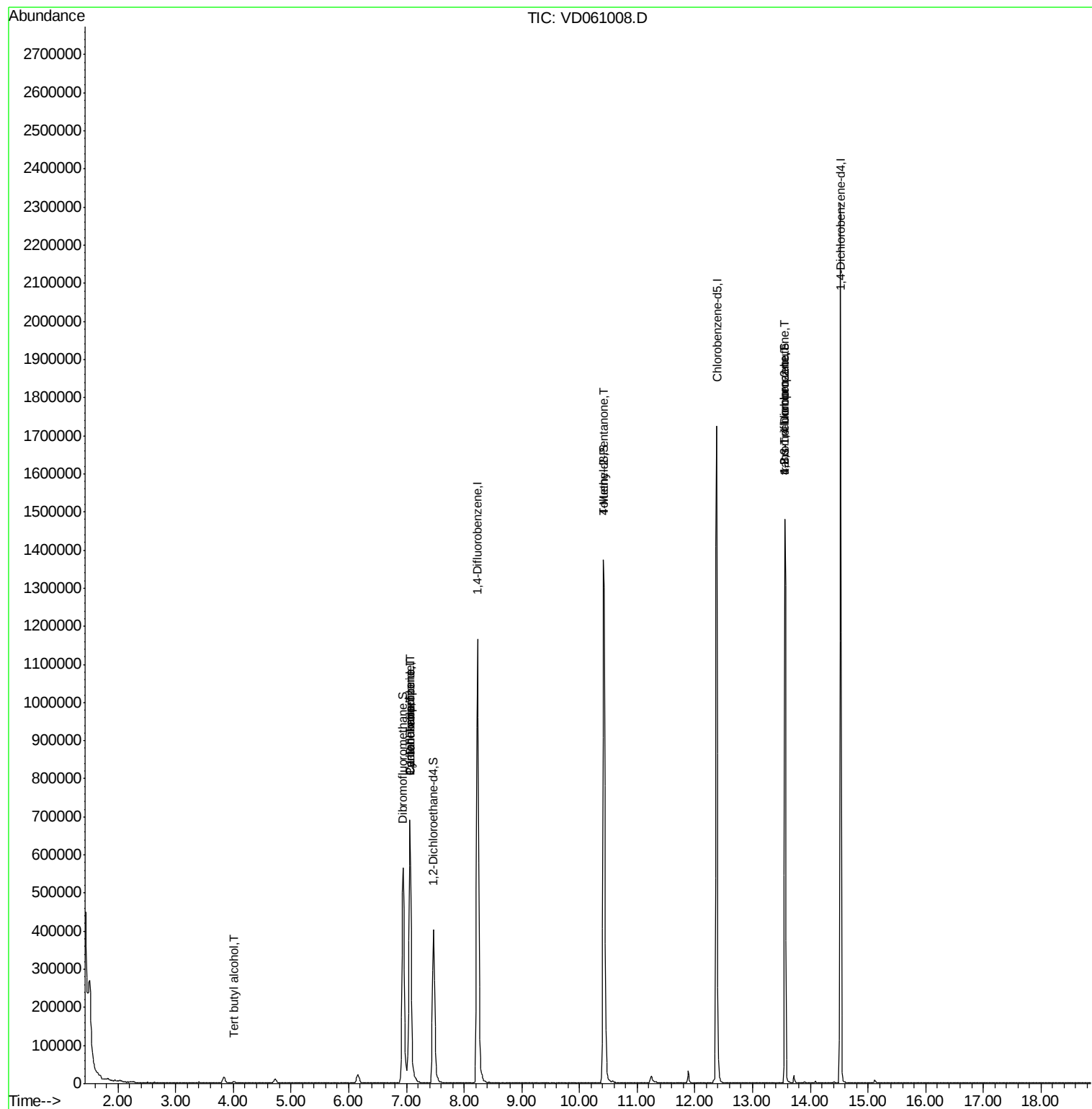
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.20	94	227	Below Cal	#	8
11) Tert butyl alcohol	4.01	59	3070	8.306	ug/l #	75
20) Methylene Chloride	3.83	84	12650	Below Cal	#	89
31) Cyclohexane	7.06	56	11671	1.136	ug/l #	1
36) 1,1-Dichloropropene	7.06	75	52176	4.339	ug/l #	47
38) Carbon Tetrachloride	7.06	117	65707	4.960	ug/l #	16
51) 4-Methyl-2-Pentanone	10.42	43	5824	1.216	ug/l #	1
76) 1,2,3-Trichloropropane	13.56	75	148573	20.087	ug/l #	44
81) trans-1,4-Dichloro-2-buten	13.56	75	185531	85.083	ug/l #	17

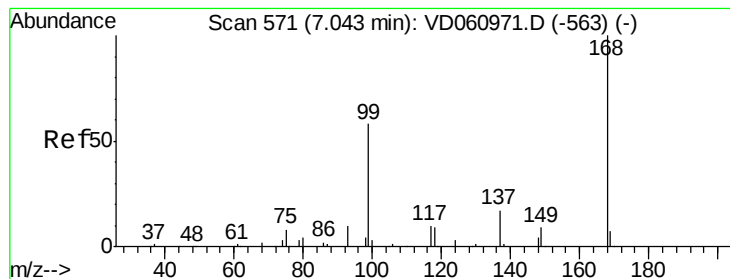
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 12 05:43:32 2019
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: 7.06 min Scan# 573

Delta R.T. 0.02 min

Lab File: VD061008.D

Acq: 11 Mar 2019 16:54

Instrument :

MSVOA_D

ClientSampleId :

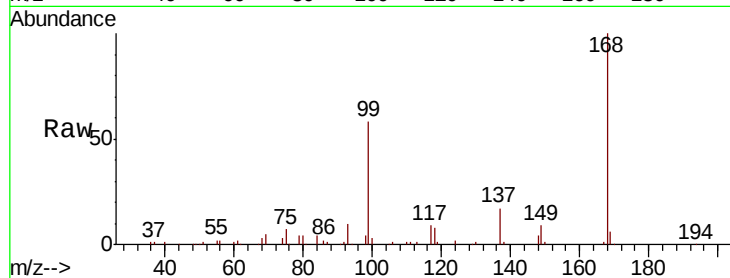
TP-19RE

Tot Ion:168 Resp: 697521

Ion Ratio Lower Upper

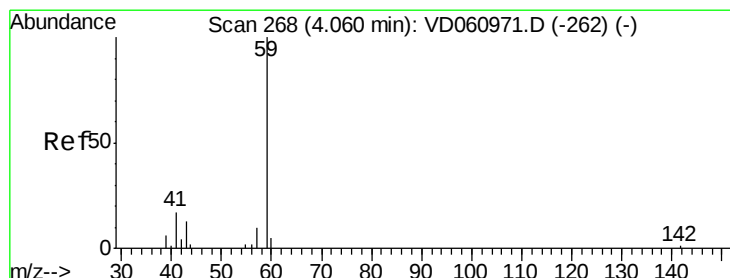
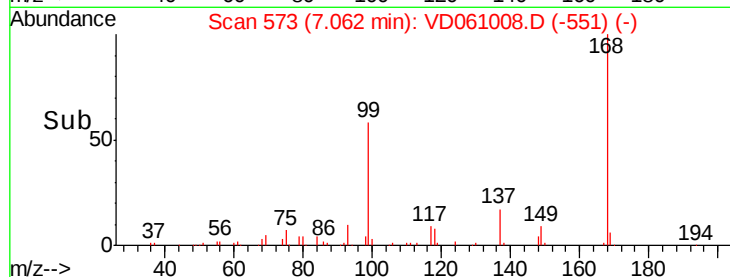
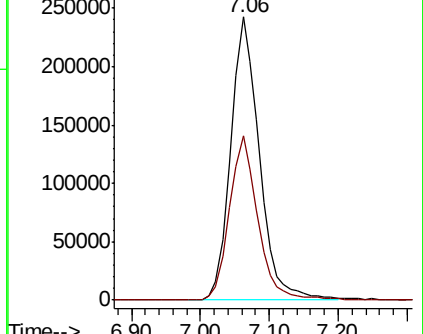
168 100

99 58.0 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 8.306 ug/l

RT: 4.01 min Scan# 263

Delta R.T. -0.05 min

Lab File: VD061008.D

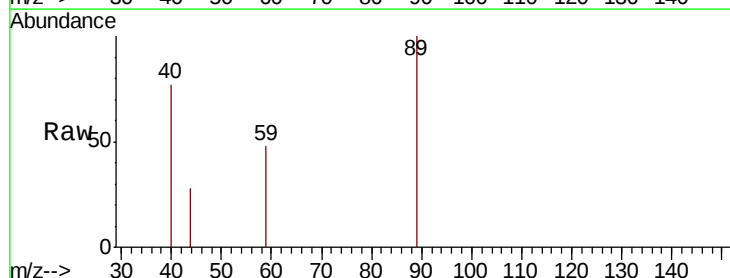
Acq: 11 Mar 2019 16:54

Tgt Ion: 59 Resp: 3070

Ion Ratio Lower Upper

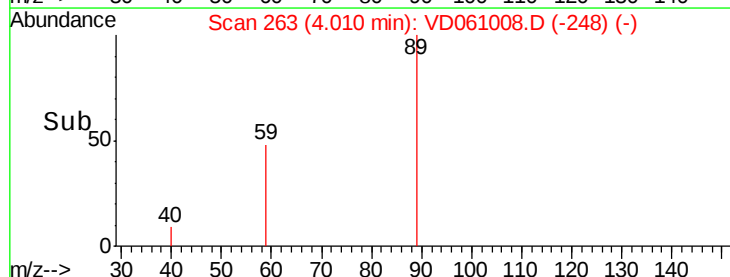
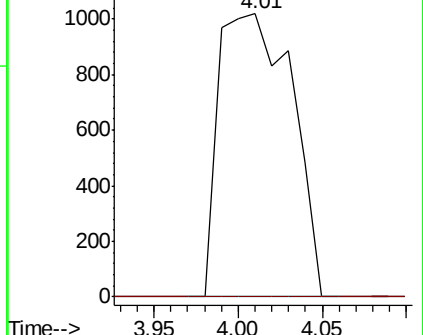
59 100

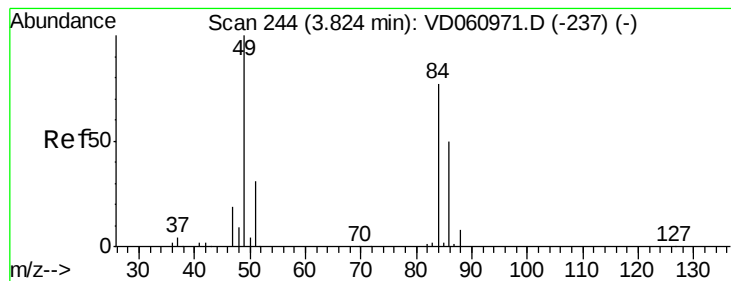
57 0.0 7.1 10.7#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC



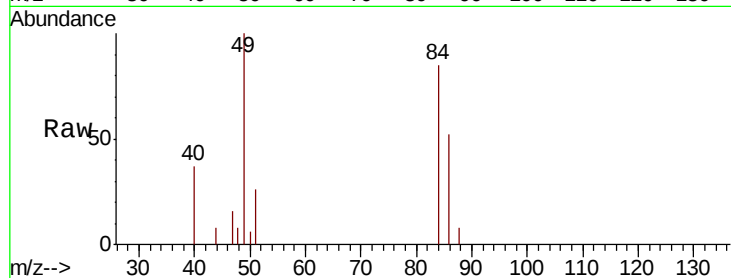


#20

Methvlene Chloride
 Concen: Below Cal
 RT: 3.83 min Scan# 245
 Delta R.T. 0.01 min
 Lab File: VD061008.D
 Acq: 11 Mar 2019 16:54

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-19RE

Tot Ion	84	Resp	12650
Ion Ratio	Lower	Upper	
84	100		
49	117.0	104.2	156.2
51	30.9	32.3	48.5#
86	60.6	52.3	78.5



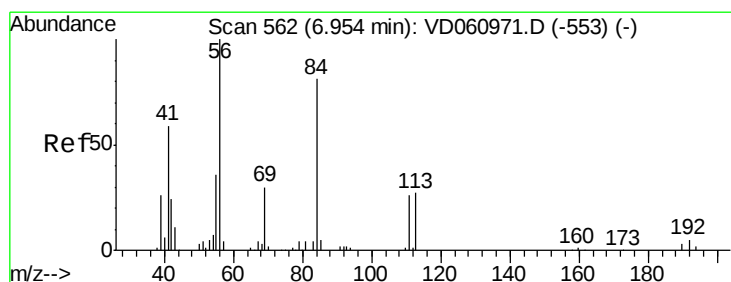
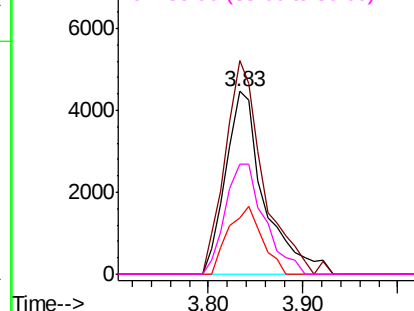
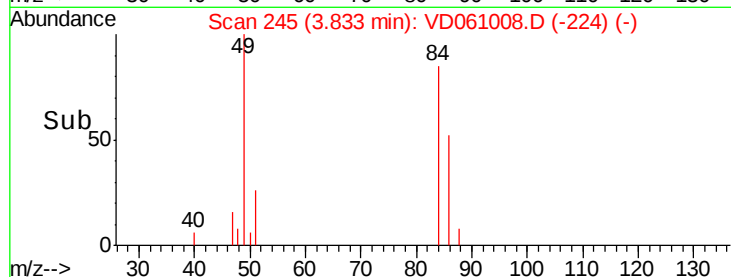
Abundance

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

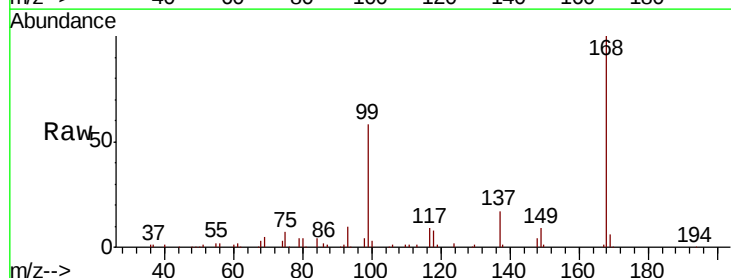
Ion 85.90 (85.60 to 86.60): VDC



#31

Cyclohexane
 Concen: 1.136 ug/l
 RT: 7.06 min Scan# 573
 Delta R.T. 0.11 min
 Lab File: VD061008.D
 Acq: 11 Mar 2019 16:54

Tgt Ion	56	Resp	11671
Ion Ratio	Lower	Upper	
56	100		
69	262.7	24.0	36.0#
84	214.5	65.8	98.6#

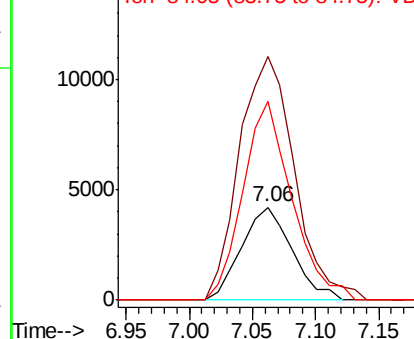
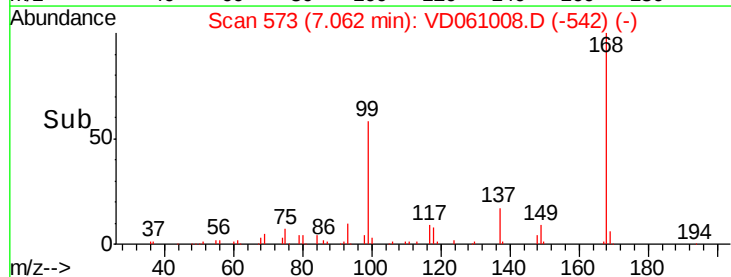


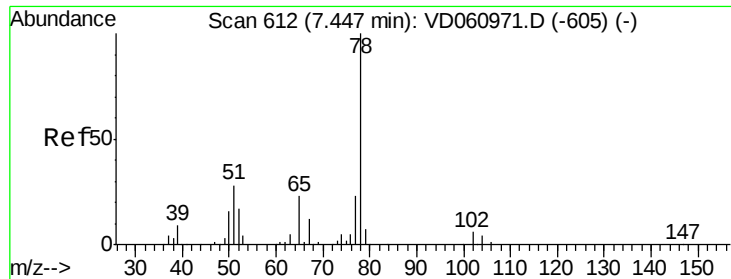
Abundance

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: VD061008.D

Acq: 11 Mar 2019 16:54

Instrument :

MSVOA_D

ClientSampleId :

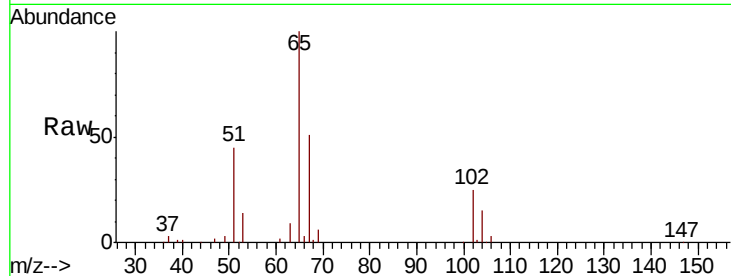
TP-19RE

Tot Ion: 65 Resp: 396245

Ion Ratio Lower Upper

65 100

67 51.2 0.0 105.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.47

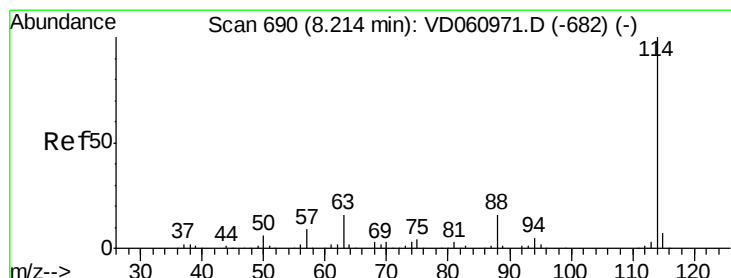
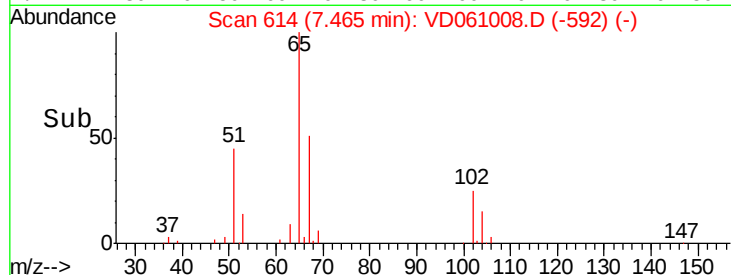
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 692

Delta R.T. 0.02 min

Lab File: VD061008.D

Acq: 11 Mar 2019 16:54

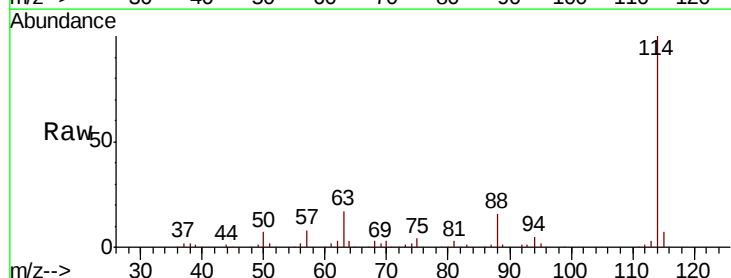
Tgt Ion: 114 Resp: 1395079

Ion Ratio Lower Upper

114 100

63 16.5 0.0 31.4

88 16.4 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

8.23

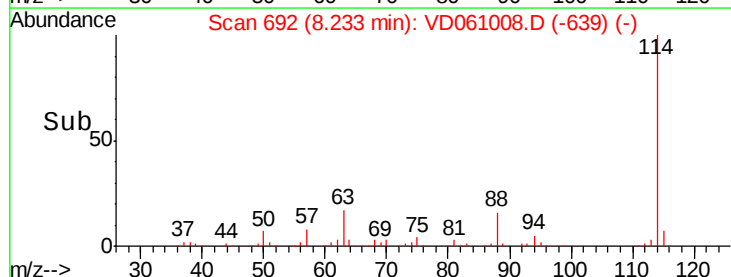
600000

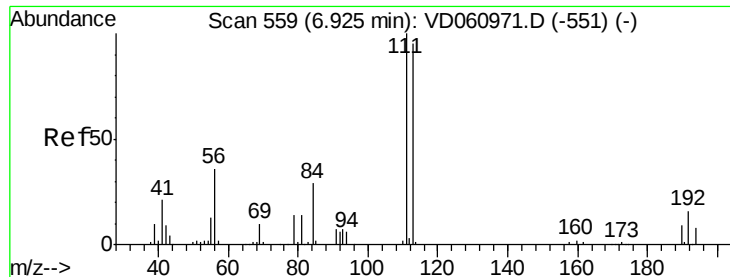
400000

200000

0

Time-->

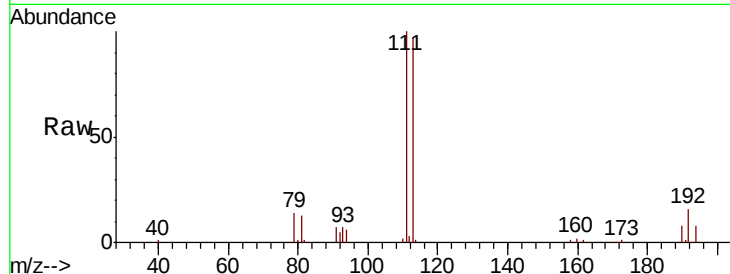




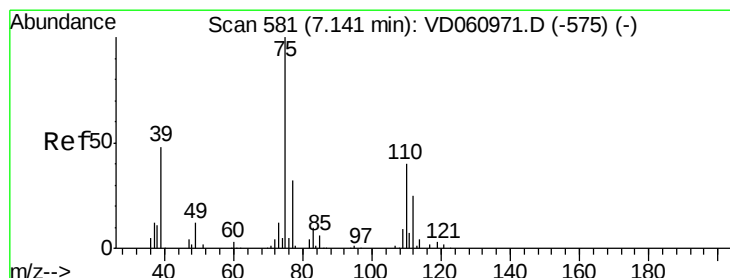
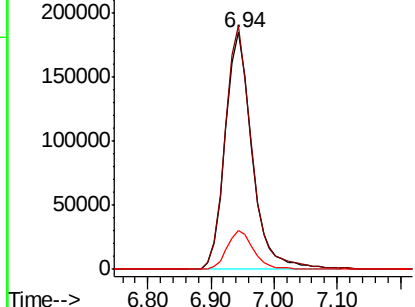
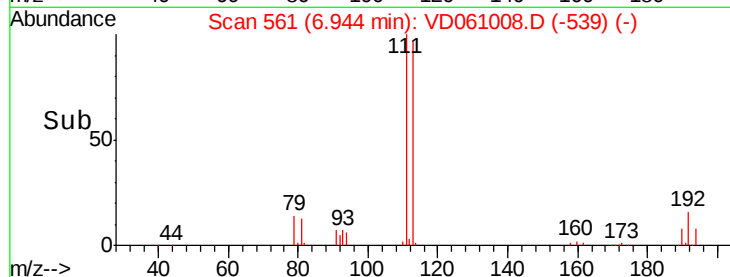
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.94 min Scan# 561
Delta R.T. 0.02 min
Lab File: VD061008.D
Acq: 11 Mar 2019 16:54

Instrument :
MSVOA_D
ClientSampleId :
TP-19RE

Tot Ion:113 Resp: 546560
Ion Ratio Lower Upper
113 100
111 102.9 84.2 126.4
192 16.6 13.1 19.7

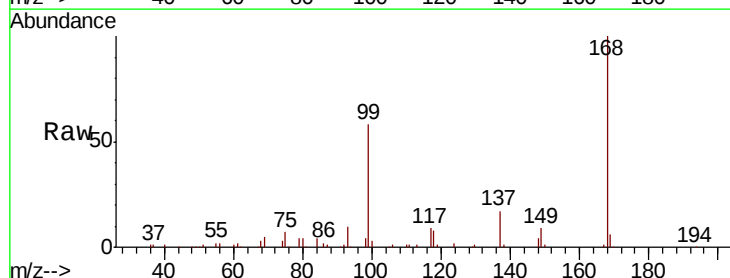


Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V

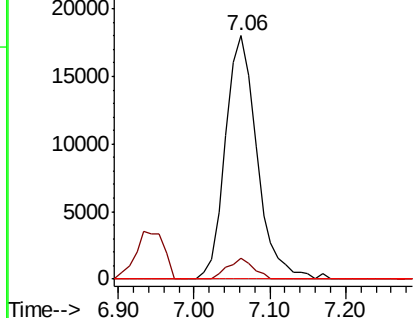
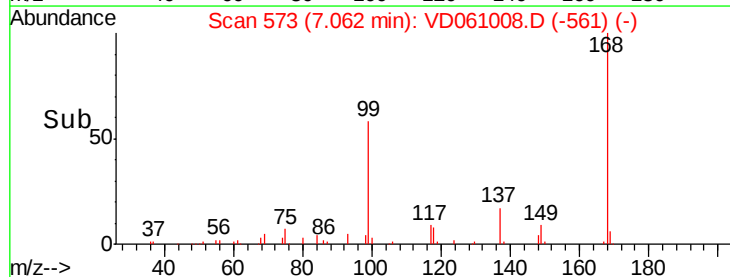


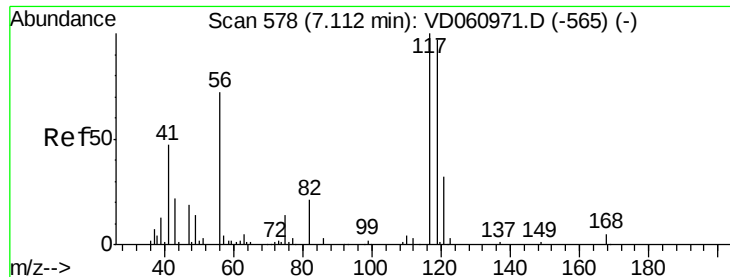
#36
1,1-Dichloropropene
Concen: 4.339 ug/l
RT: 7.06 min Scan# 573
Delta R.T. -0.08 min
Lab File: VD061008.D
Acq: 11 Mar 2019 16:54

Tgt Ion: 75 Resp: 52176
Ion Ratio Lower Upper
75 100
110 8.4 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): V
Ion 76.95 (76.65 to 77.65): VDC

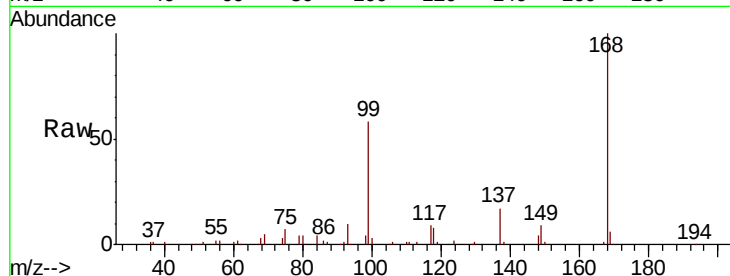




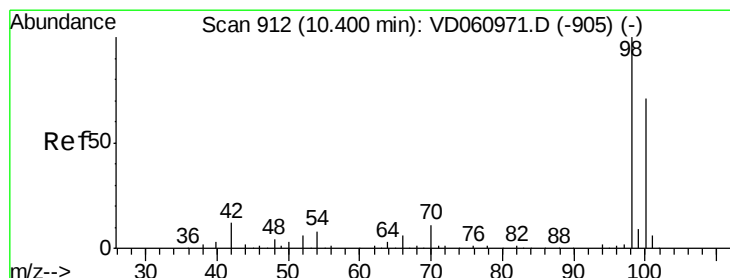
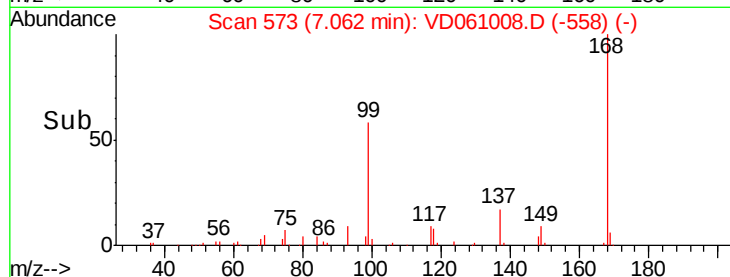
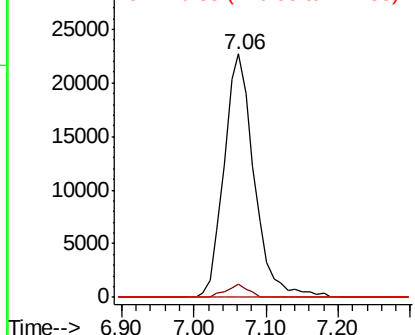
#38
Carbon Tetrachloride
Concen: 4.960 ug/l
RT: 7.06 min Scan# 573
Delta R.T. -0.05 min
Lab File: VD061008.D
Acq: 11 Mar 2019 16:54

Instrument :
MSVOA_D
ClientSampleId :
TP-19RE

Tot Ion:117 Resp: 65707
Ion Ratio Lower Upper
117 100
119 5.4 77.8 116.8#
121 0.0 25.3 37.9#

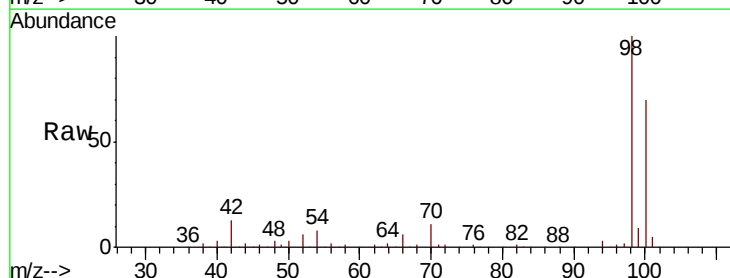


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

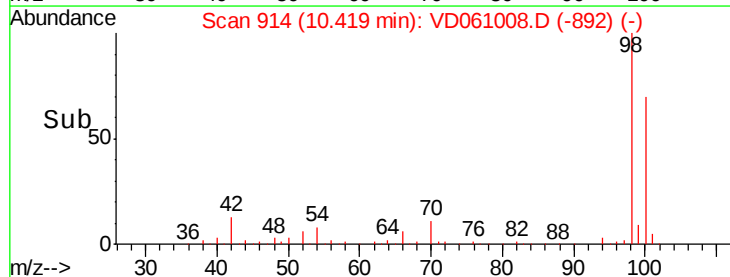
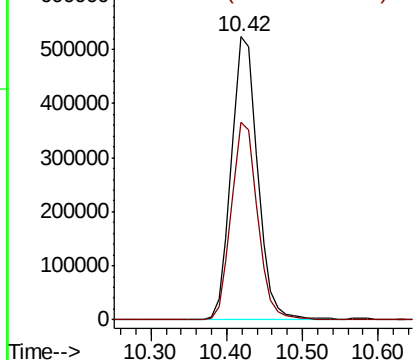


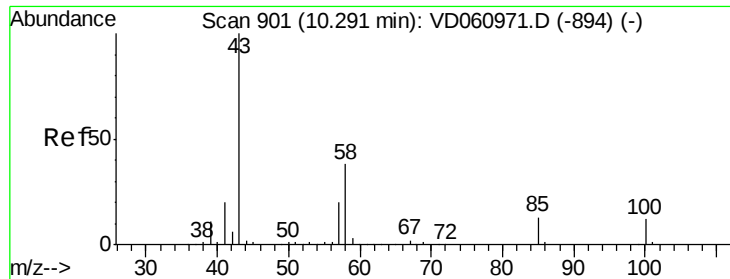
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.02 min
Lab File: VD061008.D
Acq: 11 Mar 2019 16:54

Tgt Ion: 98 Resp: 1256236
Ion Ratio Lower Upper
98 100
100 69.8 57.4 86.2



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





#51

4-Methyl-2-Pentanone

Concen: 1.216 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.13 min

Lab File: VD061008.D

Acq: 11 Mar 2019 16:54

Instrument :

MSVOA_D

ClientSampleId :

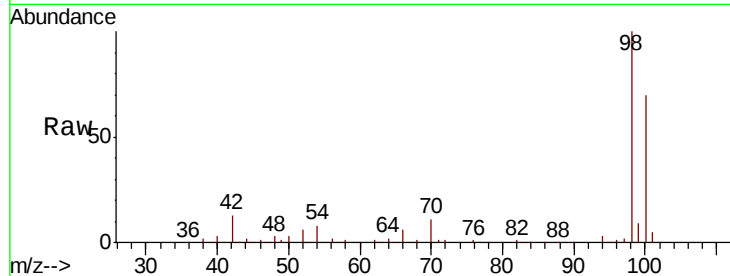
TP-19RE

Tot Ion: 43 Resp: 5824

Ion Ratio Lower Upper

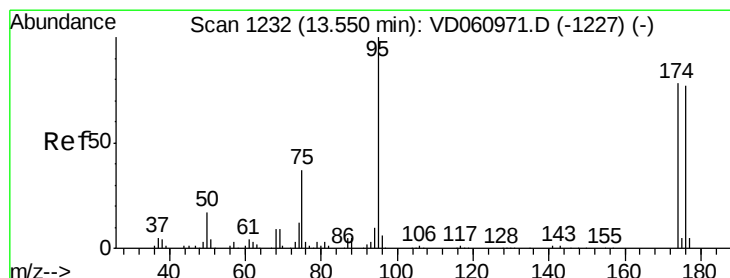
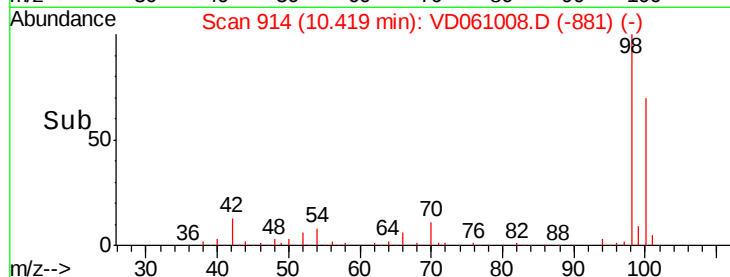
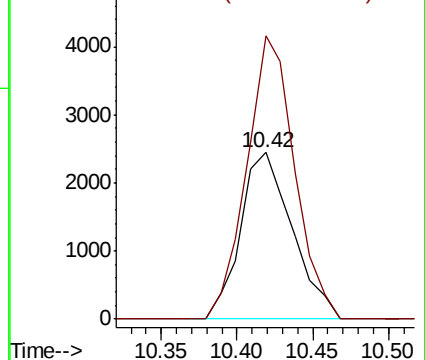
43 100

58 169.9 30.2 45.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD061008.D

Acq: 11 Mar 2019 16:54

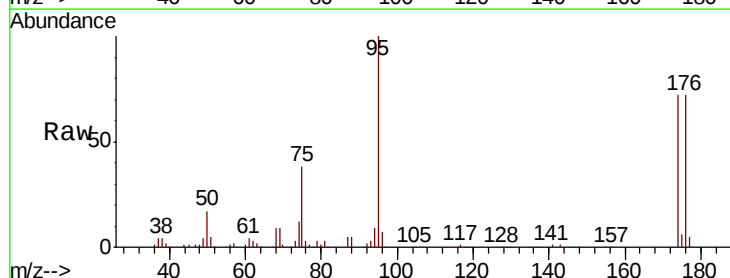
Tgt Ion: 95 Resp: 508122

Ion Ratio Lower Upper

95 100

174 72.4 0.0 155.6

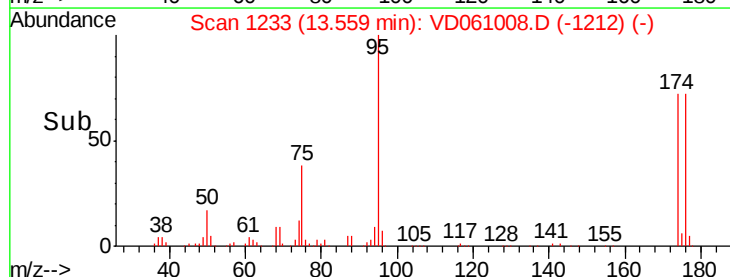
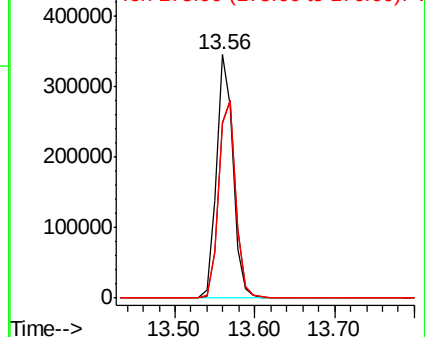
176 71.5 0.0 153.8

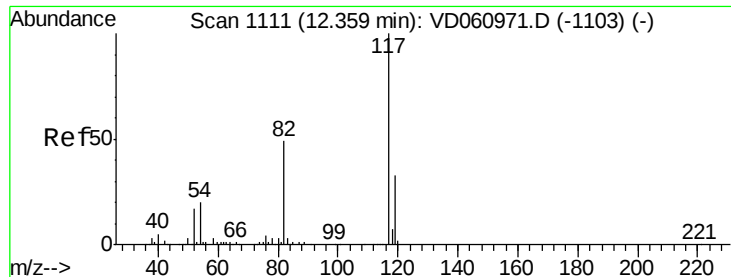


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

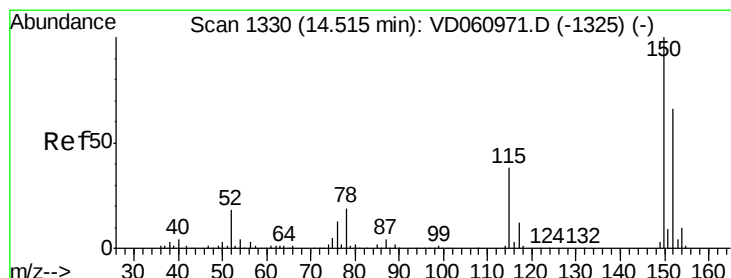
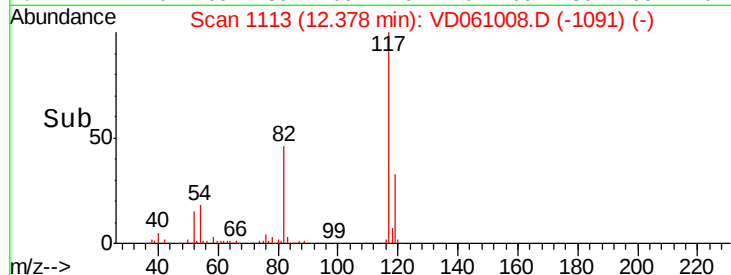
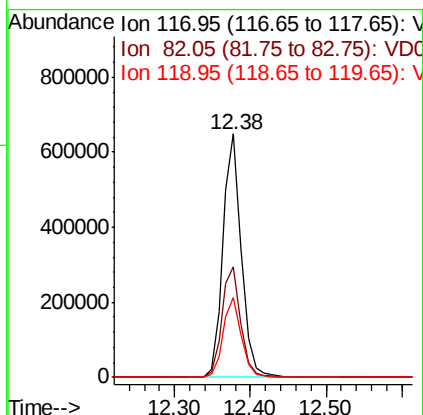
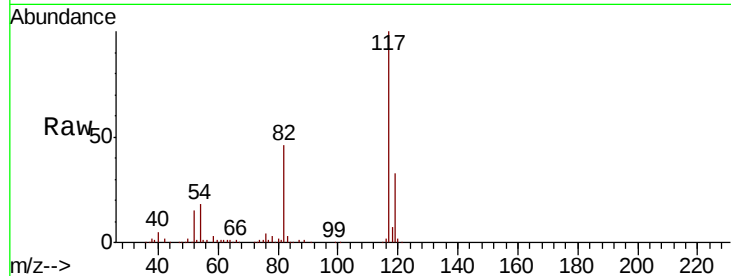




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD061008.D
Acq: 11 Mar 2019 16:54

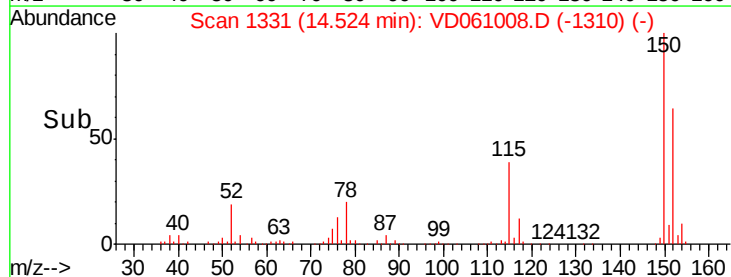
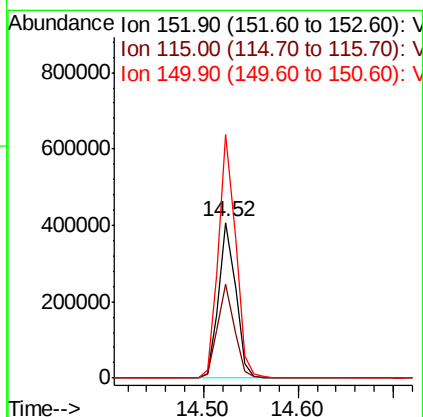
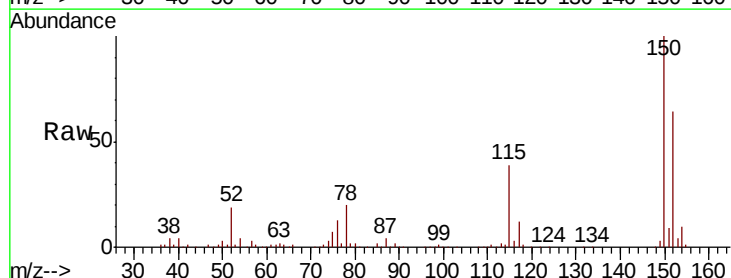
Instrument :
MSVOA_D
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TP-19RE

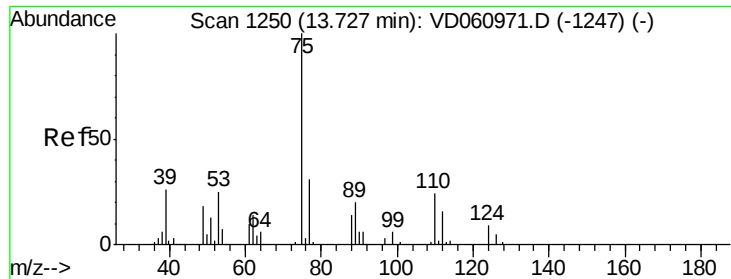
Tot Ion:117 Resp: 1090773
Ion Ratio Lower Upper
117 100
82 45.6 38.9 58.3
119 32.8 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD061008.D
Acq: 11 Mar 2019 16:54

Tgt Ion:152 Resp: 514106
Ion Ratio Lower Upper
152 100
115 60.7 28.6 85.9
150 156.5 0.0 310.6

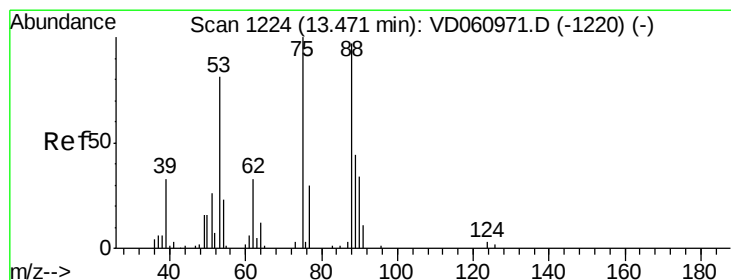
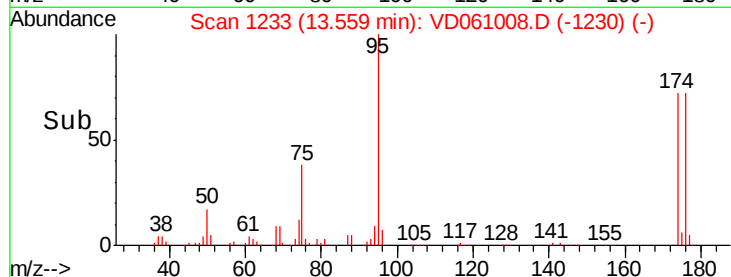
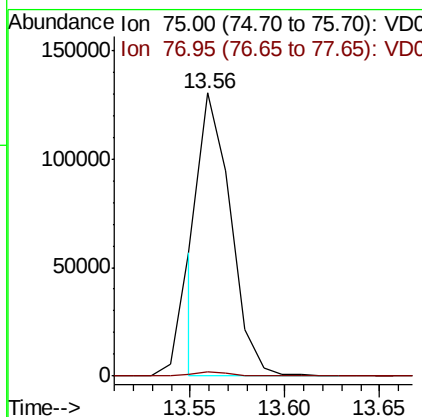
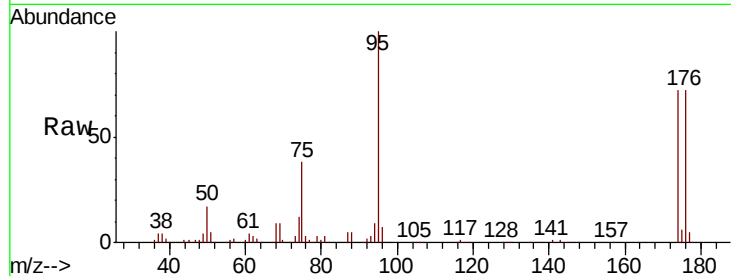




#76
 1,2,3-Trichloropropane
 Concen: 20.087 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. -0.17 min
 Lab File: VD061008.D
 Acq: 11 Mar 2019 16:54

Instrument :
 MSVOA_D
 ClientSampled :
 TP-19RE

Tot Ion: 75 Resp: 148573
 Ion Ratio Lower Upper
 75 100
 77 1.5 16.6 49.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 85.083 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.09 min
 Lab File: VD061008.D
 Acq: 11 Mar 2019 16:54

Tgt Ion: 75 Resp: 185531
 Ion Ratio Lower Upper
 75 100
 53 0.0 64.4 96.6#
 89 0.0 34.8 52.2#

