

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032019\
 Data File : VD061206.D
 Acq On : 20 Mar 2019 14:22
 Operator : VA/AP
 Sample : K1987-03RE
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 20190145-COMPOSITE-DRE

Quant Time: Mar 22 01:59:56 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	7.05	168	396209	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	662584	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	424731	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	119504	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	190346	57.72	ug/l	0.00
Spiked Amount			Recovery	=	115.44%	
35) Dibromofluoromethane	6.92	113	283326	57.62	ug/l	0.00
Spiked Amount			Recovery	=	115.24%	
50) Toluene-d8	10.41	98	634331	51.37	ug/l	0.00
Spiked Amount			Recovery	=	102.74%	
62) 4-Bromofluorobenzene	13.55	95	160455	33.49	ug/l	0.00
Spiked Amount			Recovery	=	66.98%	

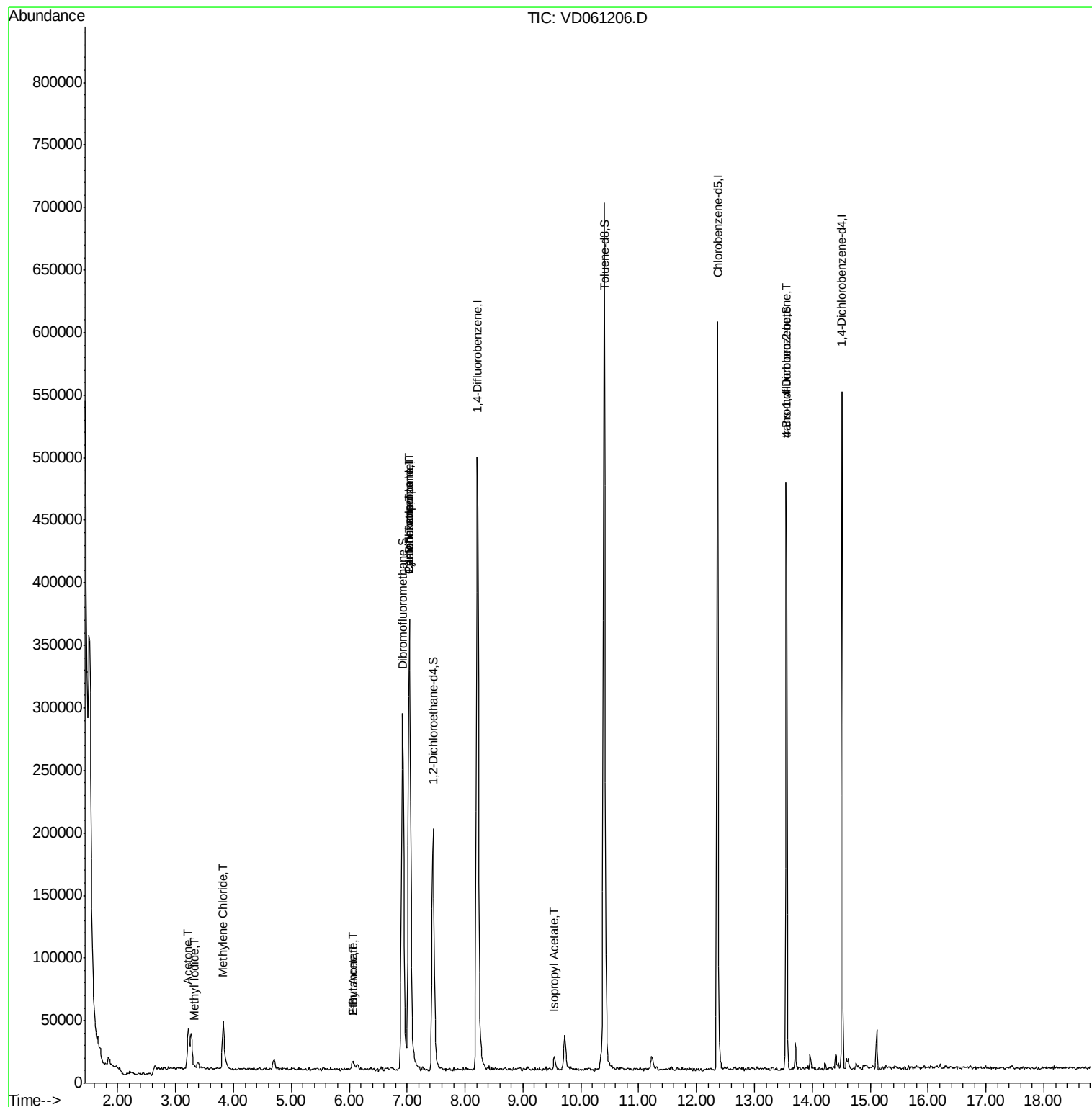
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.19	94	207	Below Cal	#	8
10) Methyl Iodide	3.33	142	438	2.995	ug/l #	39
16) Acetone	3.22	43	65108	69.037	ug/l	98
20) Methylene Chloride	3.83	84	27949	2.025	ug/l	90
25) 2-Butanone	6.06	43	16975	15.862	ug/l	97
31) Cyclohexane	7.04	56	6757	1.158	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	27876	4.881	ug/l #	47
37) Ethyl Acetate	6.06	43	16975	6.334	ug/l #	66
38) Carbon Tetrachloride	7.04	117	37754	6.001	ug/l #	15
43) Isopropyl Acetate	9.55	43	8978	2.419	ug/l #	43
81) trans-1,4-Dichloro-2-buten	13.55	75	58471	115.355	ug/l #	17

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

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20190145-COMPOSITE-DRE

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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: 7.05 min Scan# 571

Delta R.T. 0.01 min

Lab File: VD061206.D

Acq: 20 Mar 2019 14:22

Instrument :

MSVOA_D

ClientSampleId :

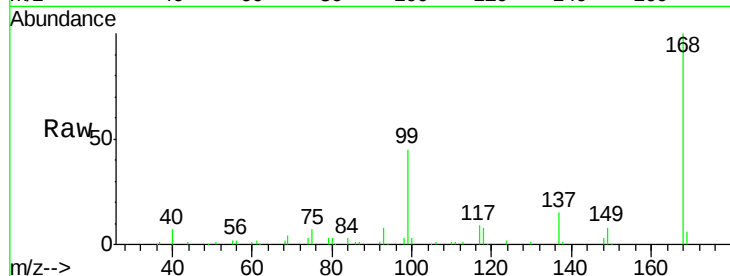
20190145-COMPOSITE-DRE

Tot Ion:168 Resp: 396209

Ion Ratio Lower Upper

168 100

99 45.5 47.3 70.9#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

7.05

150000

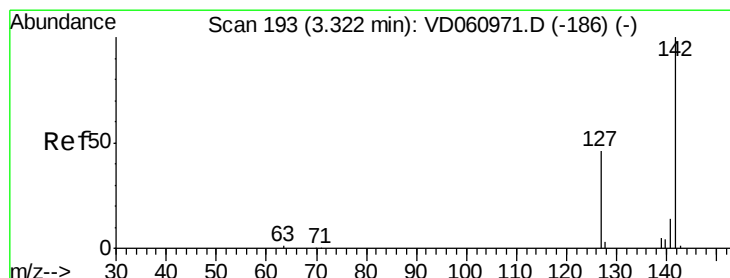
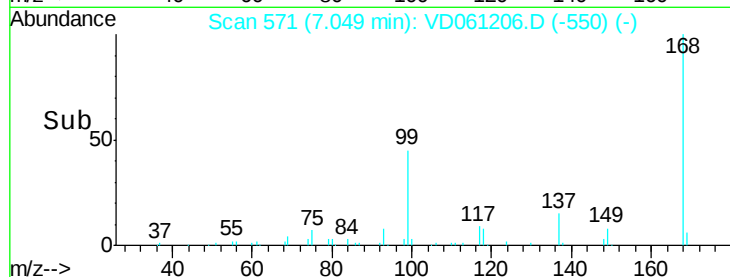
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#10

Methyl Iodide

Concen: 2.995 ug/l

RT: 3.33 min Scan# 193

Delta R.T. 0.01 min

Lab File: VD061206.D

Acq: 20 Mar 2019 14:22

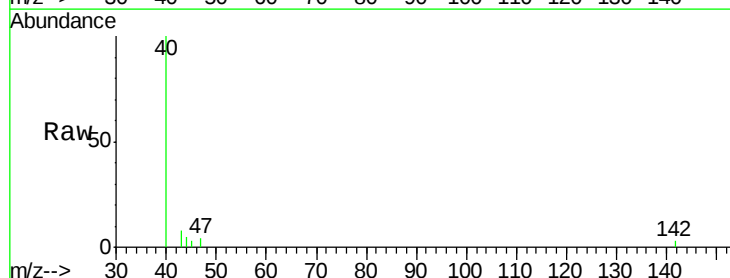
Tgt Ion:142 Resp: 438

Ion Ratio Lower Upper

142 100

127 0.0 36.8 55.2#

141 0.0 11.2 16.8#



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

3.33

500

400

300

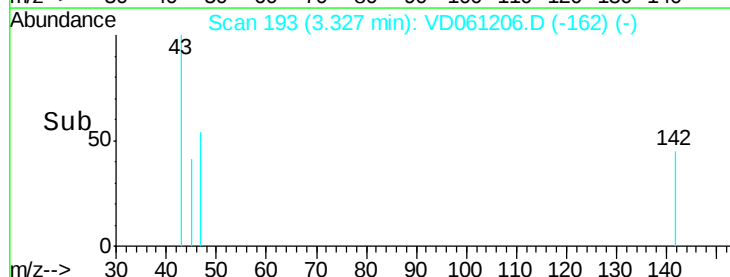
200

100

0

Time-->

3.28 3.30 3.32 3.34 3.36

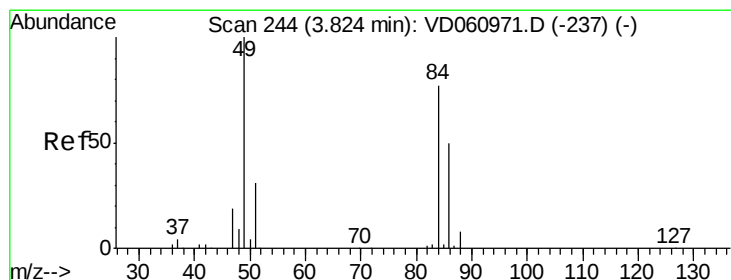
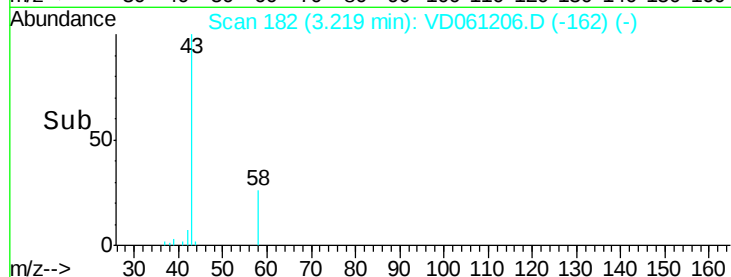
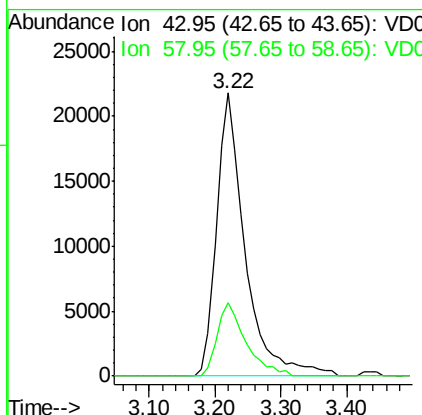
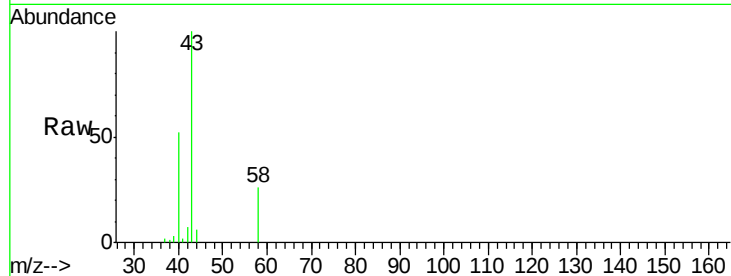




#16
Acetone
Concen: 69.037 ug/l
RT: 3.22 min Scan# 182
Delta R.T. -0.00 min
Lab File: VD061206.D
Acq: 20 Mar 2019 14:22

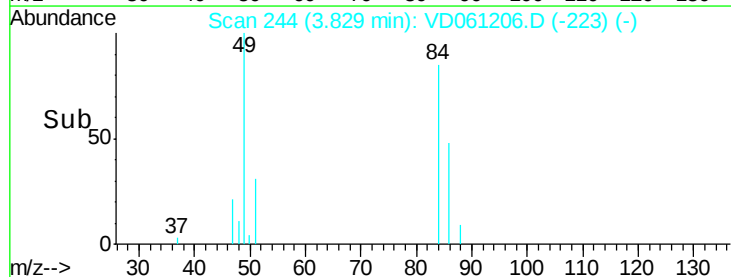
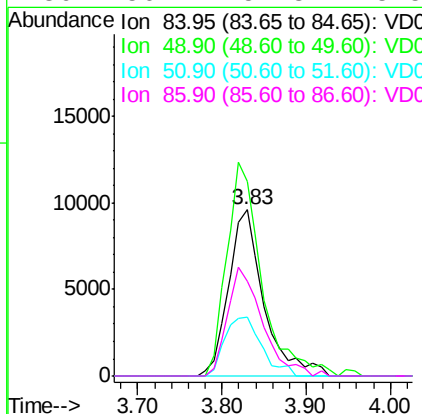
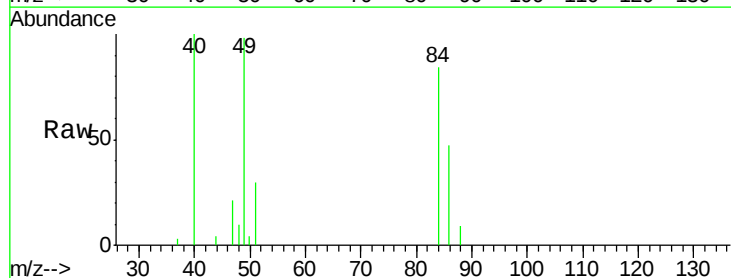
Instrument :
MSVOA_D
ClientSampleId :
20190145-COMPOSITE-DRE

Tot Ion: 43 Resp: 65108
Ion Ratio Lower Upper
43 100
58 26.0 21.6 32.4



#20
Methylene Chloride
Concen: 2.025 ug/l
RT: 3.83 min Scan# 244
Delta R.T. 0.01 min
Lab File: VD061206.D
Acq: 20 Mar 2019 14:22

Tgt Ion: 84 Resp: 27949
Ion Ratio Lower Upper
84 100
49 117.4 104.2 156.2
51 35.8 32.3 48.5
86 56.7 52.3 78.5





#25

2-Butanone

Concen: 15.862 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.00 min

Lab File: VD061206.D

Acq: 20 Mar 2019 14:22

Instrument :

MSVOA_D

ClientSampleId :

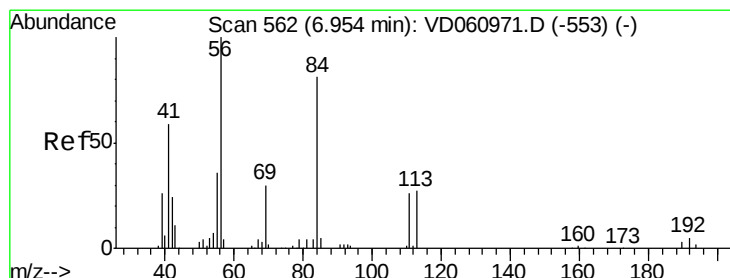
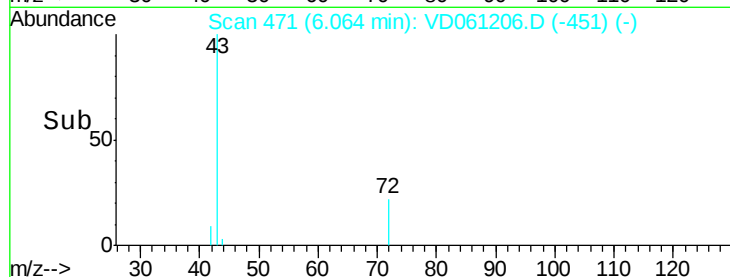
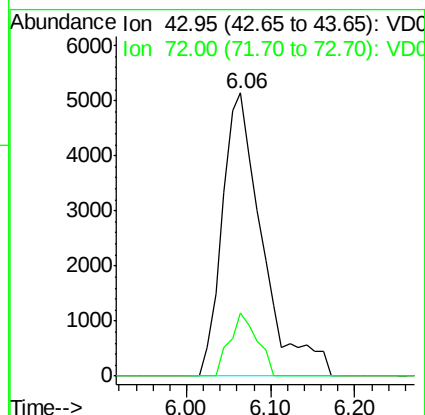
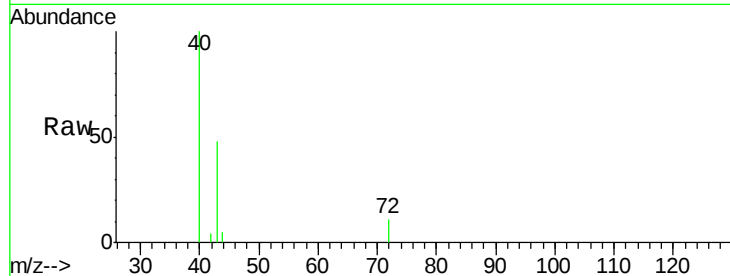
20190145-COMPOSITE-DRE

Tot Ion: 43 Resp: 16975

Ion Ratio Lower Upper

43 100

72 22.1 16.7 25.1



#31

Cyclohexane

Concen: 1.158 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.08 min

Lab File: VD061206.D

Acq: 20 Mar 2019 14:22

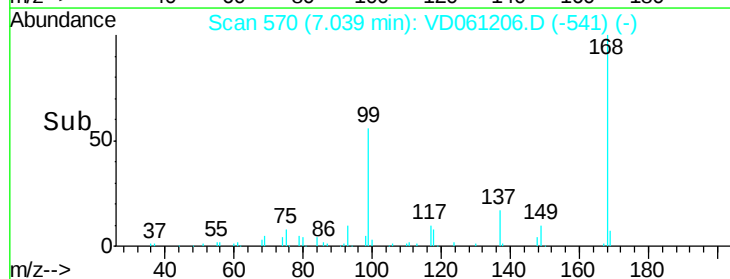
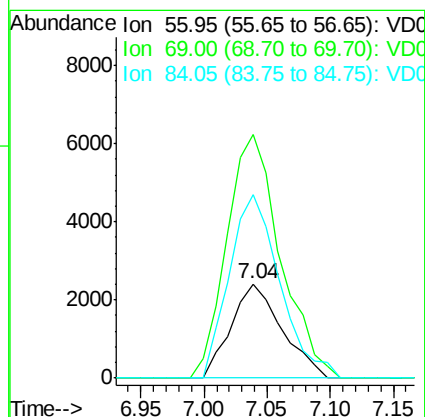
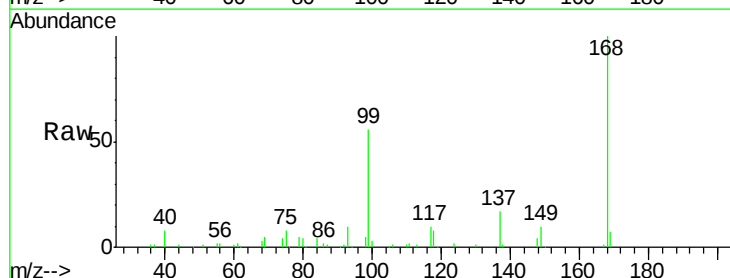
Tgt Ion: 56 Resp: 6757

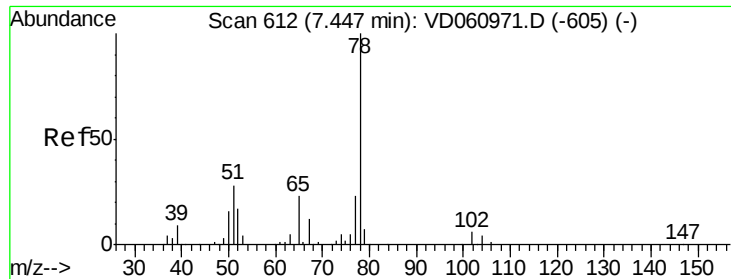
Ion Ratio Lower Upper

56 100

69 258.9 24.0 36.0#

84 195.3 65.8 98.6#

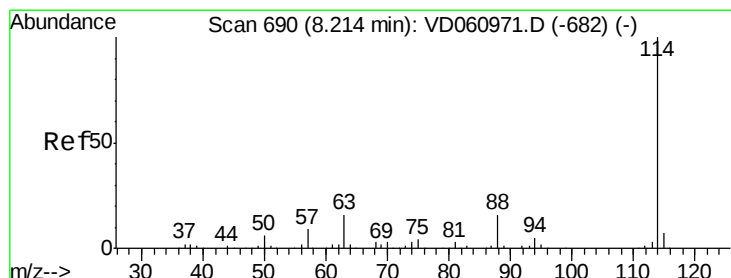
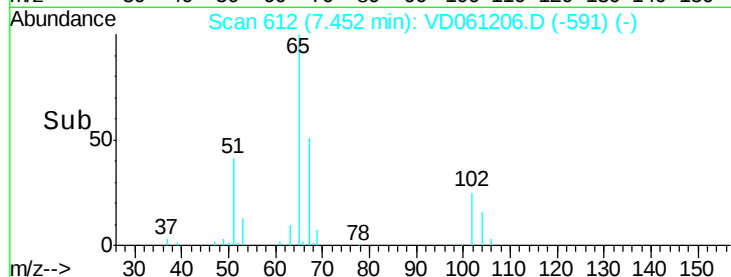
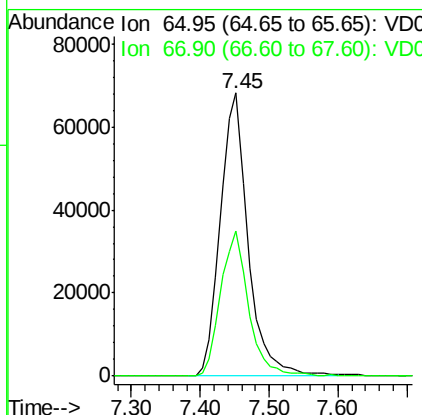
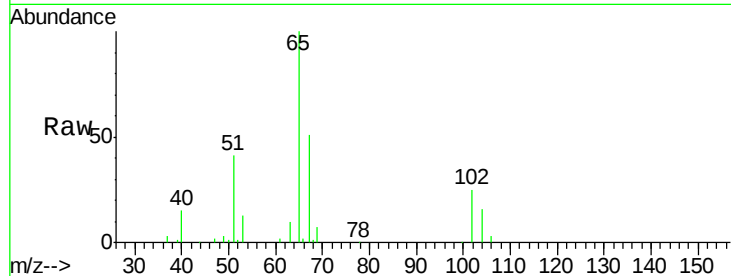




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. 0.01 min
 Lab File: VD061206.D
 Acq: 20 Mar 2019 14:22

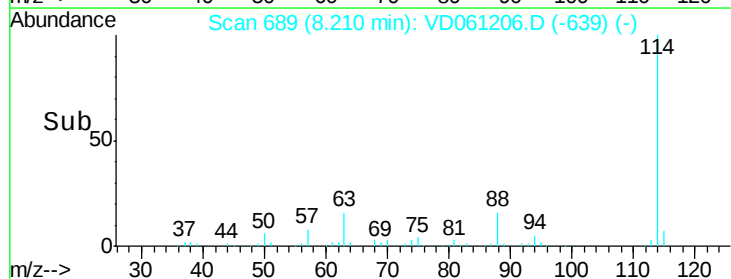
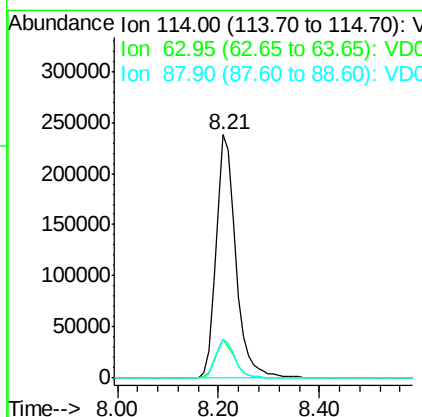
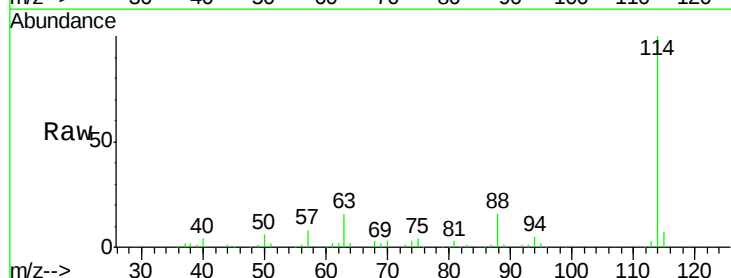
Instrument :
 MSVOA_D
 ClientSampleId :
 20190145-COMPOSITE-DRE

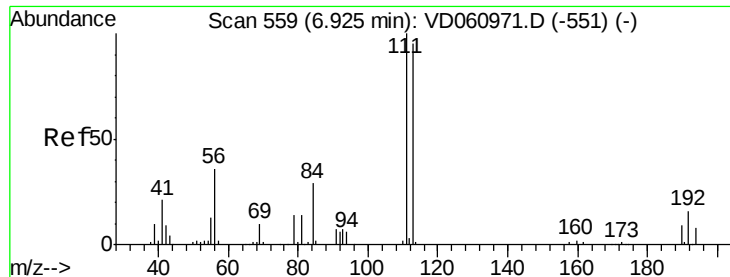
Tot Ion: 65 Resp: 190346
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.00 min
 Lab File: VD061206.D
 Acq: 20 Mar 2019 14:22

Tgt Ion: 114 Resp: 662584
 Ion Ratio Lower Upper
 114 100
 63 16.1 0.0 31.4
 88 15.9 0.0 33.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.00 min

Lab File: VD061206.D

Acq: 20 Mar 2019 14:22

Instrument :

MSVOA_D

ClientSampleId :

20190145-COMPOSITE-DRE

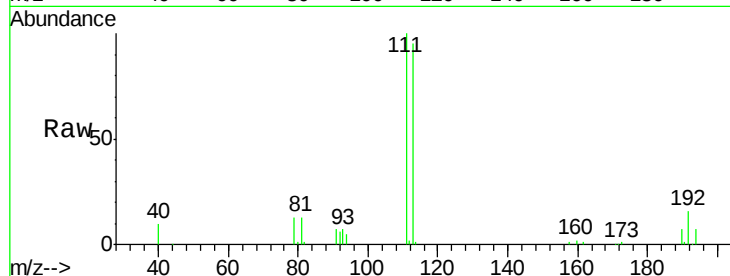
Tot Ion:113 Resp: 283326

Ion Ratio Lower Upper

113 100

111 105.4 84.2 126.4

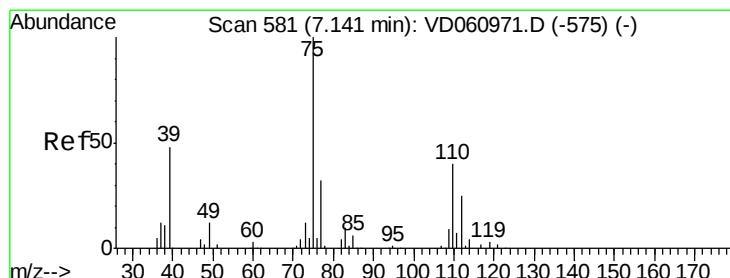
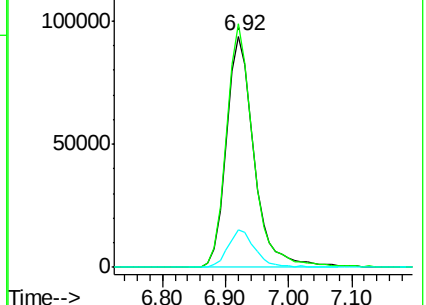
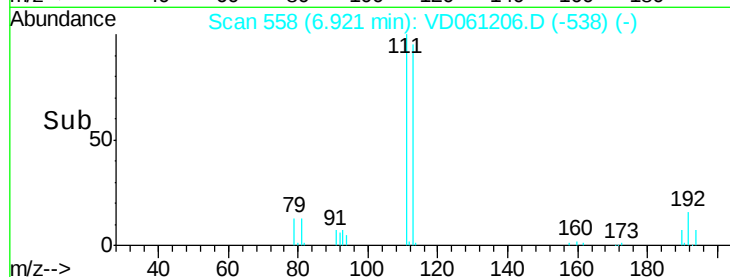
192 16.5 13.1 19.7



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: 4.881 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.10 min

Lab File: VD061206.D

Acq: 20 Mar 2019 14:22

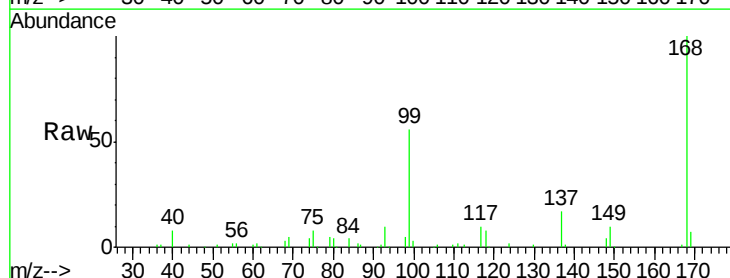
Tgt Ion: 75 Resp: 27876

Ion Ratio Lower Upper

75 100

110 8.9 19.7 59.1#

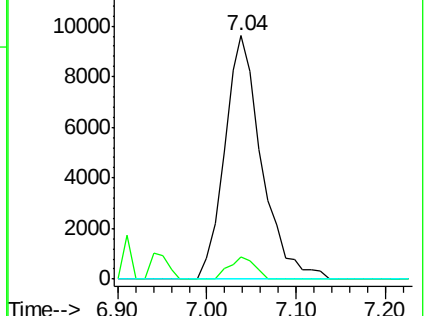
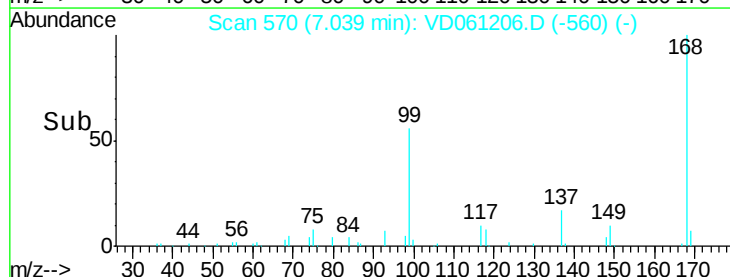
77 0.0 24.7 37.1#

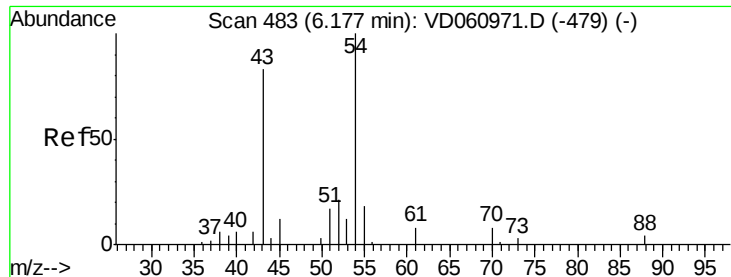


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

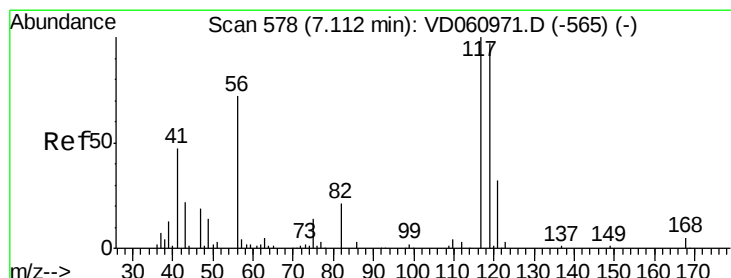
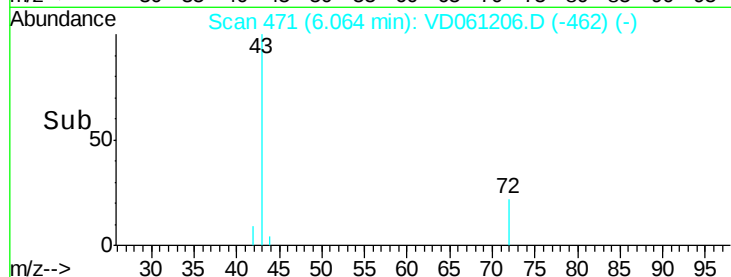
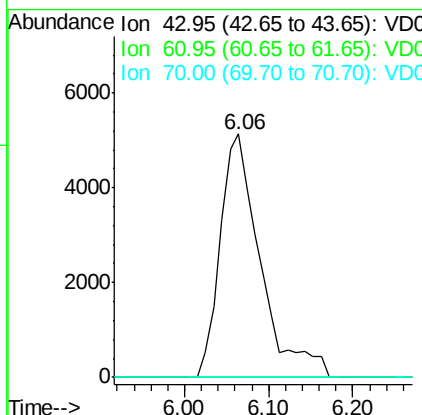
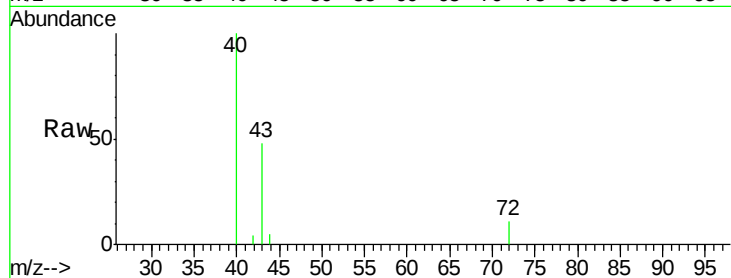




#37
Ethyl Acetate
Concen: 6.334 ug/l
RT: 6.06 min Scan# 471
Delta R.T. -0.11 min
Lab File: VD061206.D
Acq: 20 Mar 2019 14:22

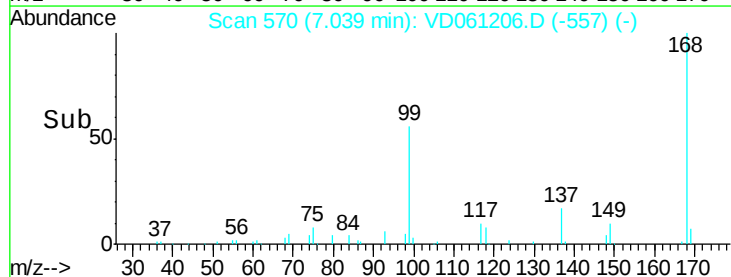
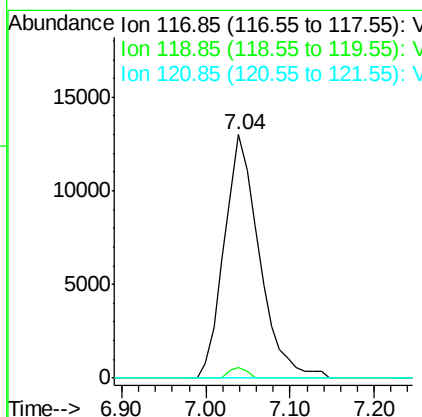
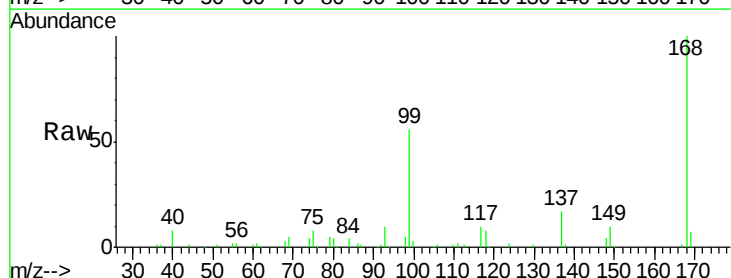
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20190145-COMPOSITE-DRE

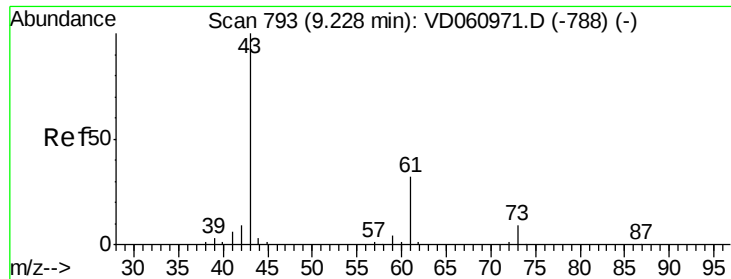
Tot Ion: 43 Resp: 16975
Ion Ratio Lower Upper
43 100
61 0.0 13.7 20.5#
70 0.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 6.001 ug/l
RT: 7.04 min Scan# 570
Delta R.T. -0.07 min
Lab File: VD061206.D
Acq: 20 Mar 2019 14:22

Tgt Ion: 117 Resp: 37754
Ion Ratio Lower Upper
117 100
119 4.2 77.8 116.8#
121 0.0 25.3 37.9#





#43

Isopropyl Acetate

Concen: 2.419 ug/l

RT: 9.55 min Scan# 825

Delta R.T. 0.32 min

Lab File: VD061206.D

Acq: 20 Mar 2019 14:22

Instrument :

MSVOA_D

ClientSampleId :

20190145-COMPOSITE-DRE

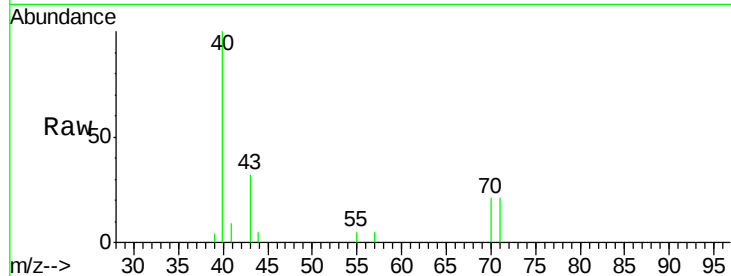
Tot Ion: 43 Resp: 8978

Ion Ratio Lower Upper

43 100

61 0.0 25.6 38.4#

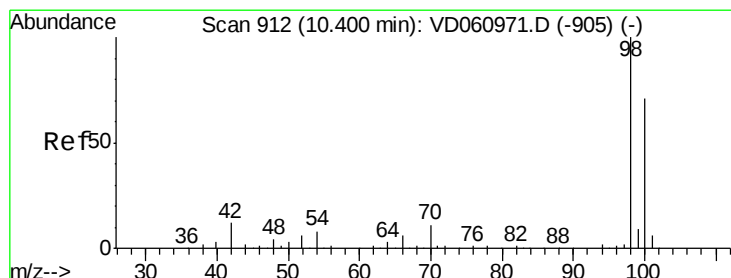
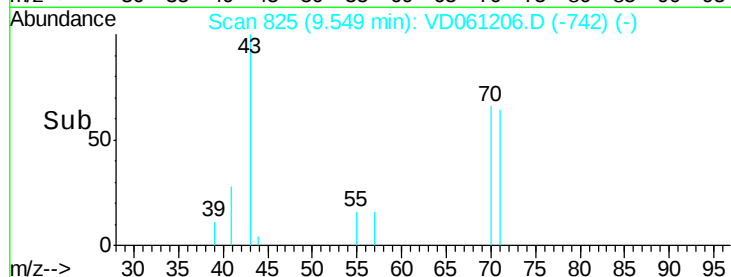
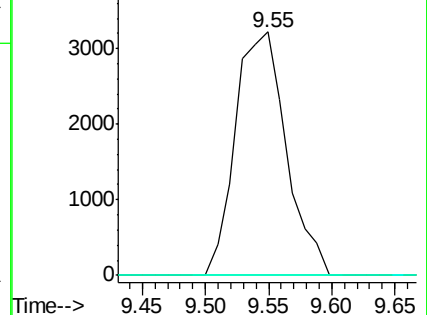
87 0.0 0.2 0.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.41 min Scan# 912

Delta R.T. 0.01 min

Lab File: VD061206.D

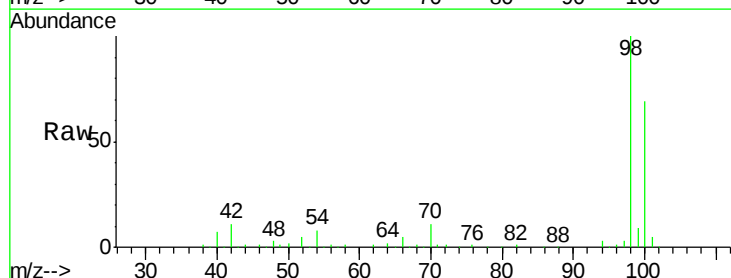
Acq: 20 Mar 2019 14:22

Tgt Ion: 98 Resp: 634331

Ion Ratio Lower Upper

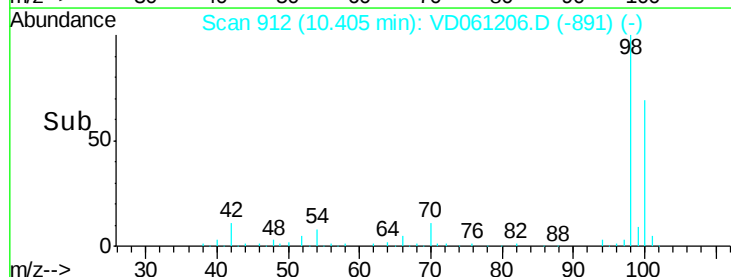
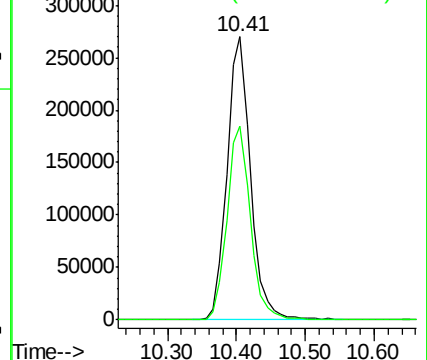
98 100

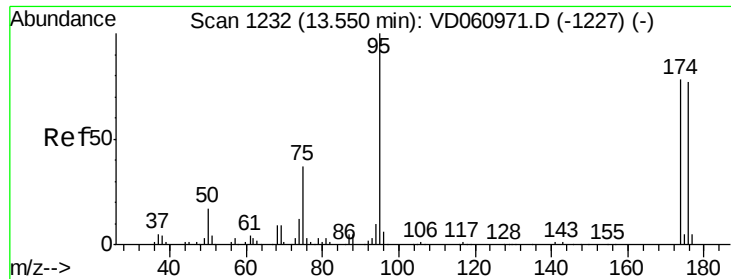
100 68.7 57.4 86.2



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.55 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VD061206.D

Acq: 20 Mar 2019 14:22

Instrument :

MSVOA_D

ClientSampleId :

20190145-COMPOSITE-DRE

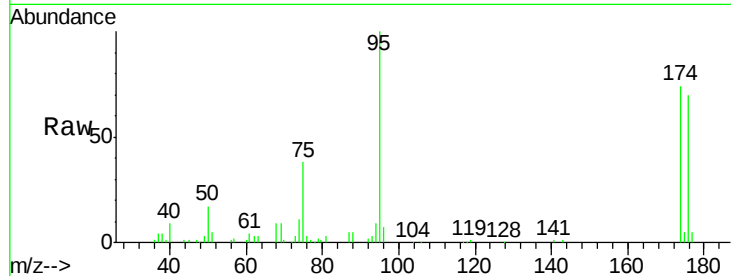
Tot Ion: 95 Resp: 160455

Ion Ratio Lower Upper

95 100

174 74.0 0.0 155.6

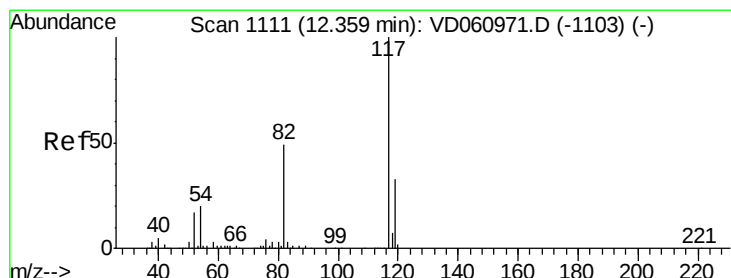
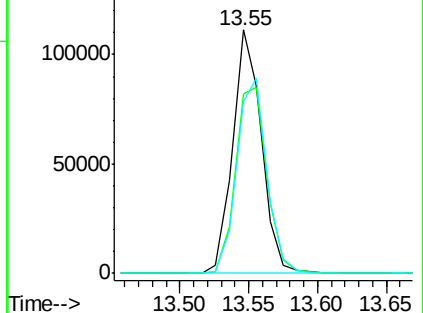
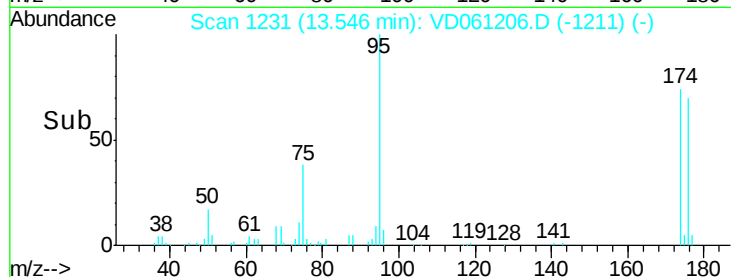
176 70.5 0.0 153.8



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: 12.36 min Scan# 1111

Delta R.T. 0.01 min

Lab File: VD061206.D

Acq: 20 Mar 2019 14:22

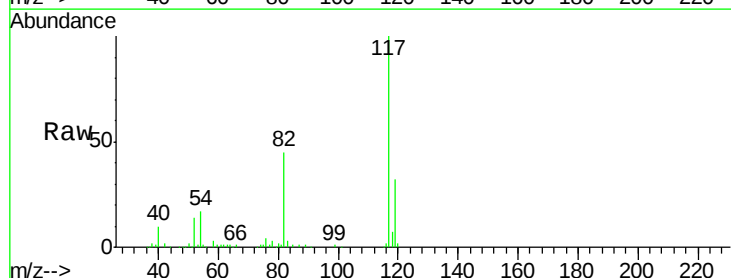
Tgt Ion: 117 Resp: 424731

Ion Ratio Lower Upper

117 100

82 44.8 38.9 58.3

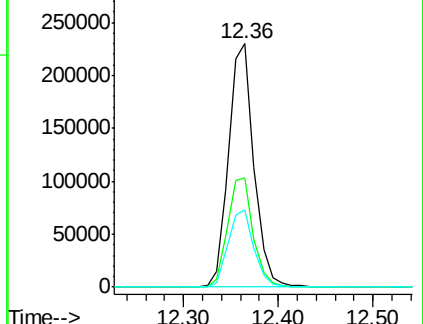
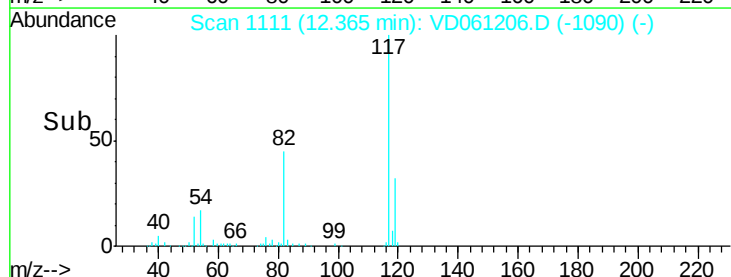
119 31.6 26.6 39.8

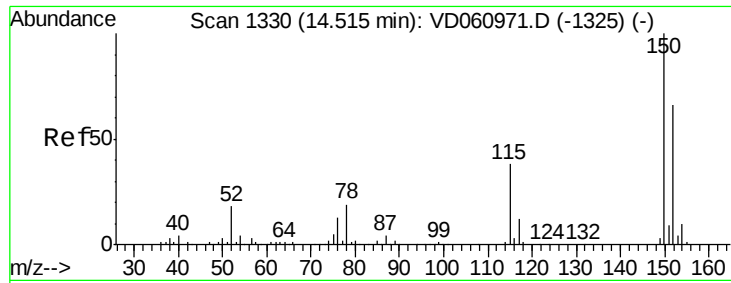


Abundance Ion 116.95 (116.65 to 117.65): V

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: 14.51 min Scan# 1329

Delta R.T. -0.00 min

Lab File: VD061206.D

Acq: 20 Mar 2019 14:22

Instrument :

MSVOA_D

ClientSampleId :

20190145-COMPOSITE-DRE

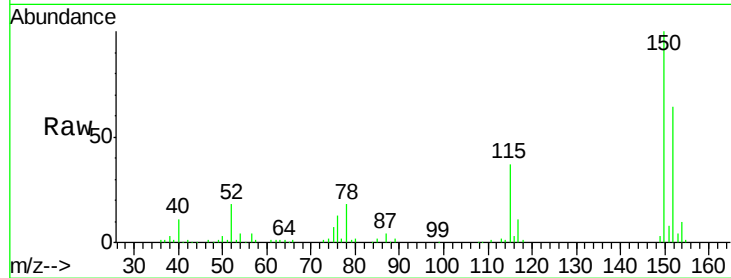
Tot Ion:152 Resp: 119504

Ion Ratio Lower Upper

152 100

115 58.1 28.6 85.9

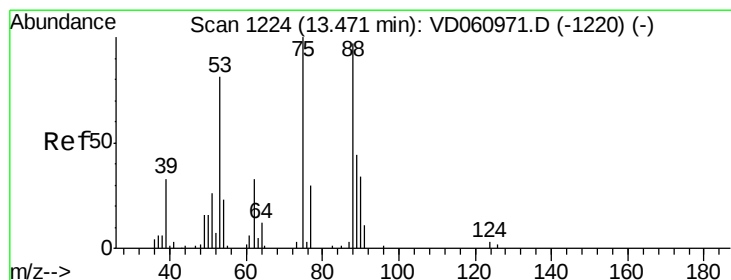
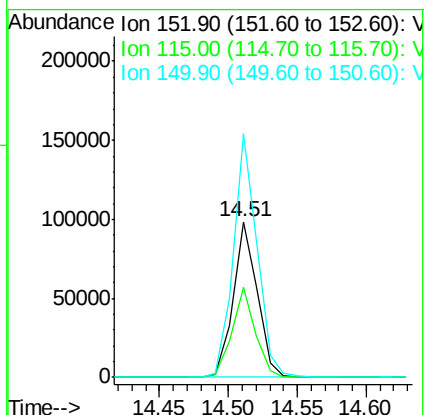
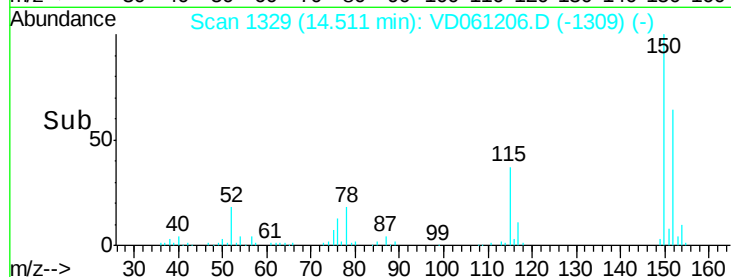
150 156.2 0.0 310.6



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: 115.355 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. 0.07 min

Lab File: VD061206.D

Acq: 20 Mar 2019 14:22

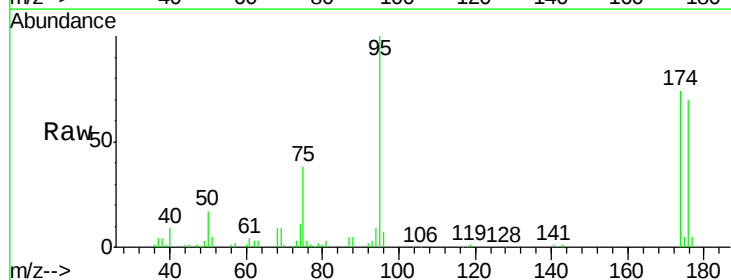
Tgt Ion: 75 Resp: 58471

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): V

Ion 53.00 (52.70 to 53.70): V

Ion 89.00 (88.70 to 89.70): V

