

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032019\
 Data File : VD061207.D
 Acq On : 20 Mar 2019 14:50
 Operator : VA/AP
 Sample : K1987-04RE
 Misc : 5.06g/5ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 22 02:00:09 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	412493	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	682396	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	456708	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	129821	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	197882	57.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.26%	
35) Dibromofluoromethane	6.92	113	312545	61.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	123.44%	
50) Toluene-d8	10.40	98	650410	51.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.28%	
62) 4-Bromofluorobenzene	13.55	95	181948	36.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	73.74%	

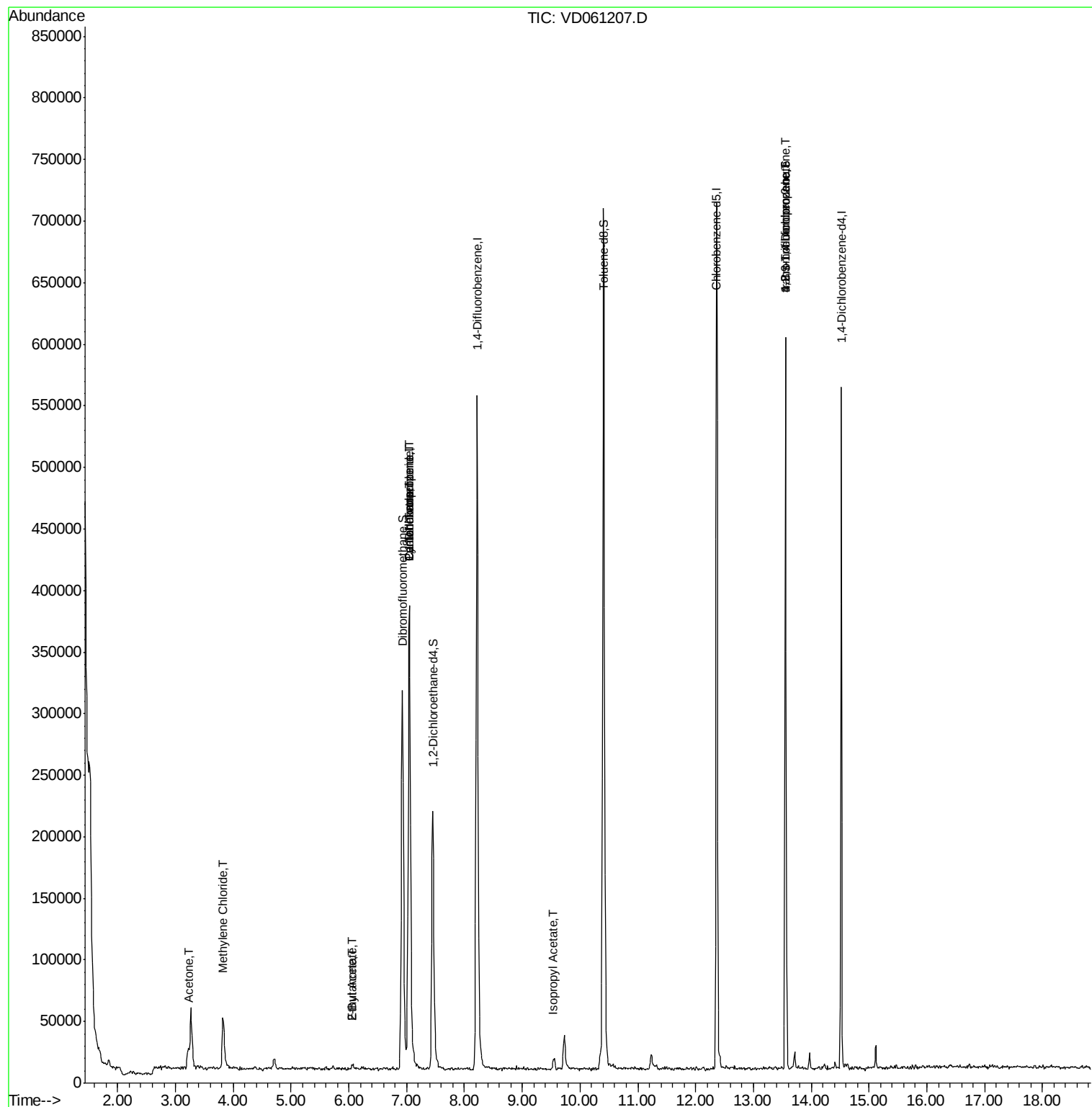
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.15	94	182	Below Cal	#	8
16) Acetone	3.23	43	37771	38.469	ug/l	93
20) Methylene Chloride	3.82	84	34336	3.315	ug/l	88
25) 2-Butanone	6.05	43	8204	7.364	ug/l #	86
31) Cyclohexane	7.05	56	6991	1.151	ug/l #	1
36) 1,1-Dichloropropene	7.05	75	29708	5.051	ug/l #	47
37) Ethyl Acetate	6.05	43	8204	2.972	ug/l #	66
38) Carbon Tetrachloride	7.05	117	38887	6.002	ug/l #	14
43) Isopropyl Acetate	9.54	43	7768	2.032	ug/l #	43
76) 1,2,3-Trichloropropane	13.55	75	47745	25.563	ug/l #	44
81) trans-1,4-Dichloro-2-buten	13.55	75	67062	121.789	ug/l #	17

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

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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. 0.00 min

Lab File: VD061207.D

Acq: 20 Mar 2019 14:50

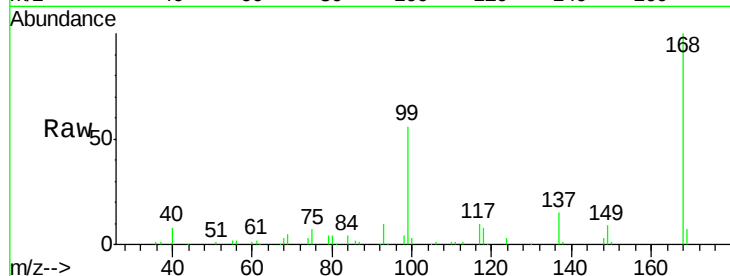
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 412493

Ion Ratio Lower Upper

168 100

99 56.2 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

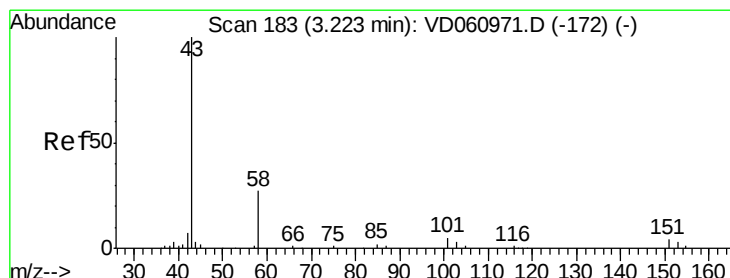
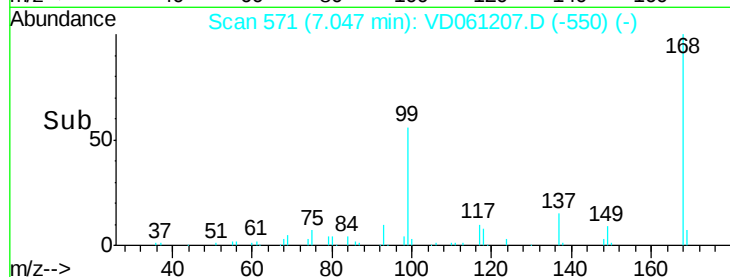
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 38.469 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.00 min

Lab File: VD061207.D

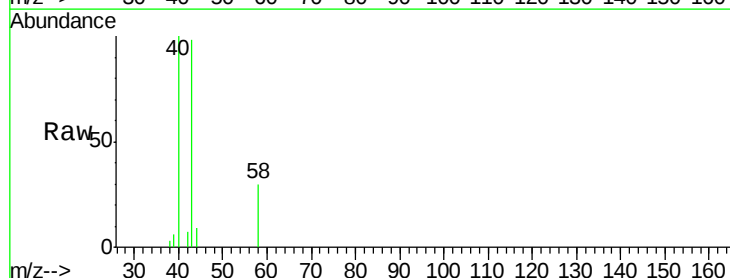
Acq: 20 Mar 2019 14:50

Tgt Ion: 43 Resp: 37771

Ion Ratio Lower Upper

43 100

58 30.8 21.6 32.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.23

12000

10000

8000

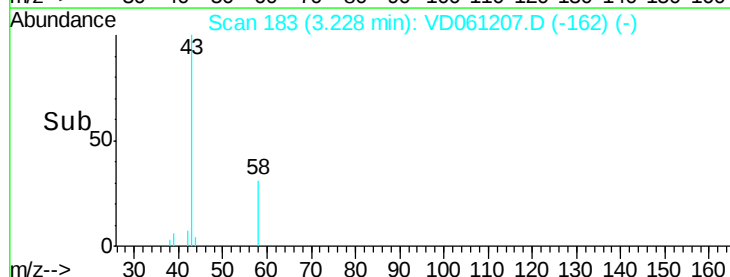
6000

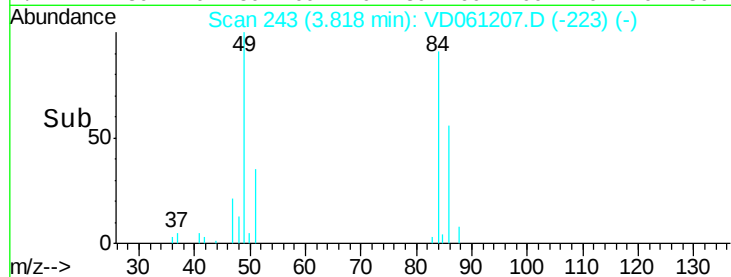
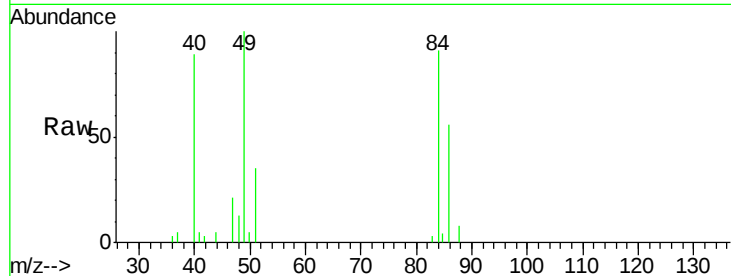
4000

2000

0

Time-->

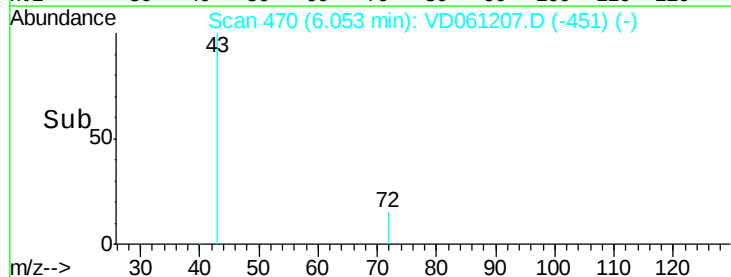
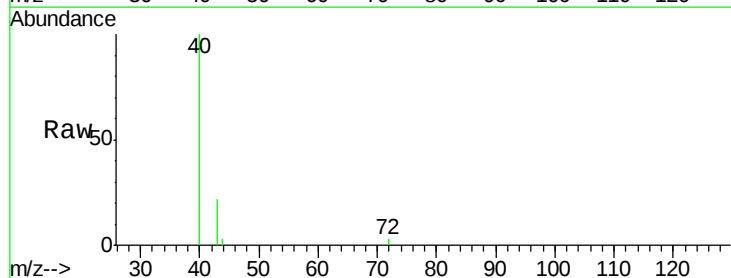
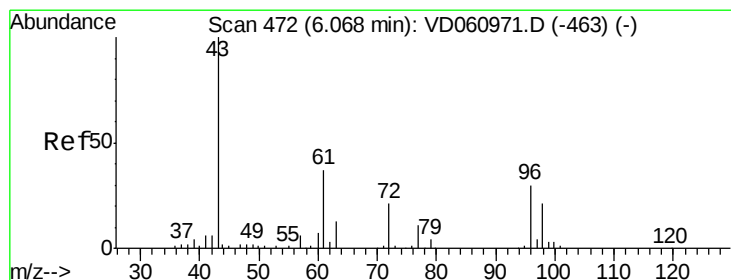
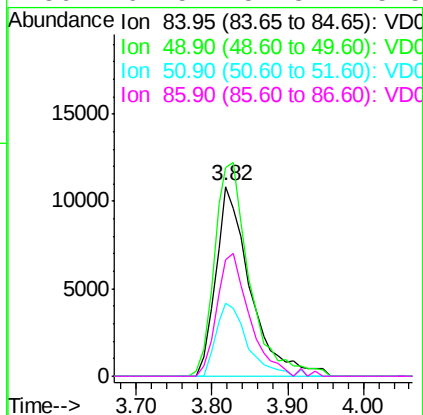




#20
Methylene Chloride
Concen: 3.315 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.00 min
Lab File: VD061207.D
Acq: 20 Mar 2019 14:50

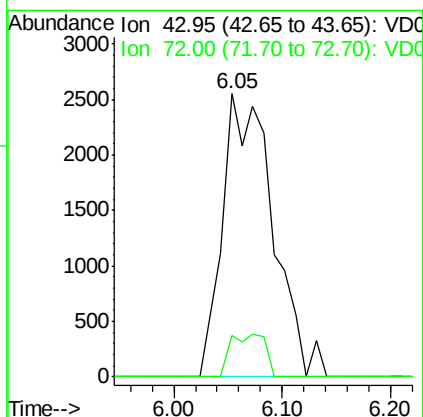
Instrument :
MSVOA_D
ClientSampleId :

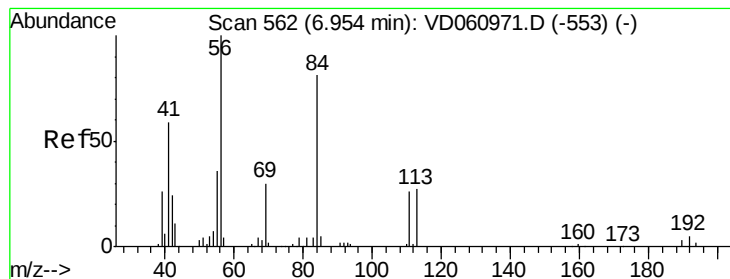
Tot Ion: 84 Resp: 34336
Ion Ratio Lower Upper
84 100
49 109.9 104.2 156.2
51 38.3 32.3 48.5
86 61.5 52.3 78.5



#25
2-Butanone
Concen: 7.364 ug/l
RT: 6.05 min Scan# 470
Delta R.T. -0.02 min
Lab File: VD061207.D
Acq: 20 Mar 2019 14:50

Tgt Ion: 43 Resp: 8204
Ion Ratio Lower Upper
43 100
72 14.6 16.7 25.1#





#31

Cyclohexane

Concen: 1.151 ug/l

RT: 7.05 min Scan# 571

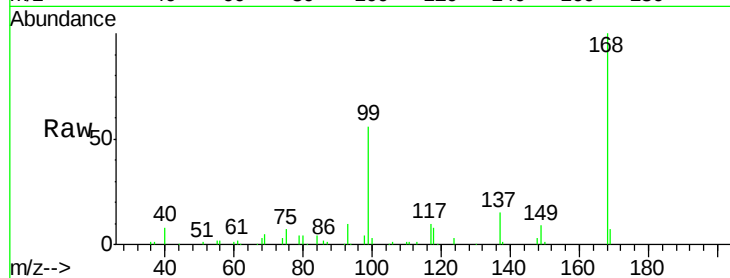
Delta R.T. 0.09 min

Lab File: VD061207.D

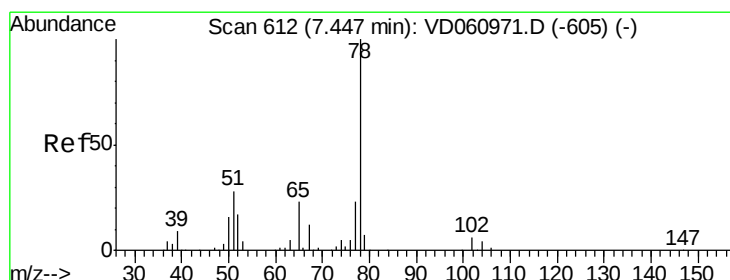
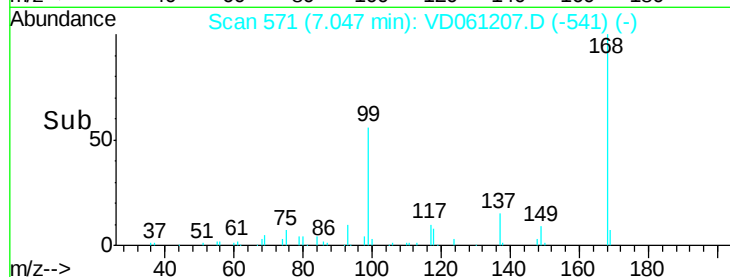
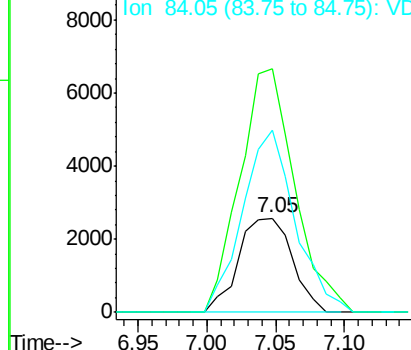
Acq: 20 Mar 2019 14:50

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	56	Resp:	6991
Ion	Ratio	Lower	Upper
56	100		
69	259.4	24.0	36.0#
84	193.6	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

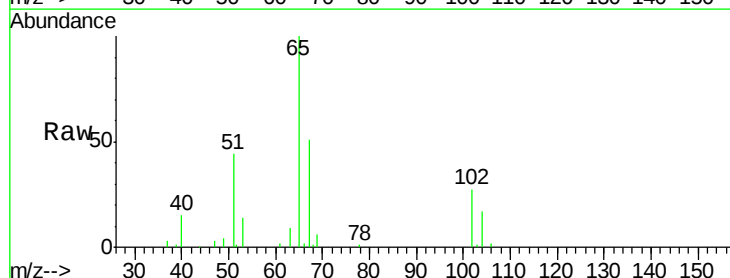
RT: 7.45 min Scan# 612

Delta R.T. 0.00 min

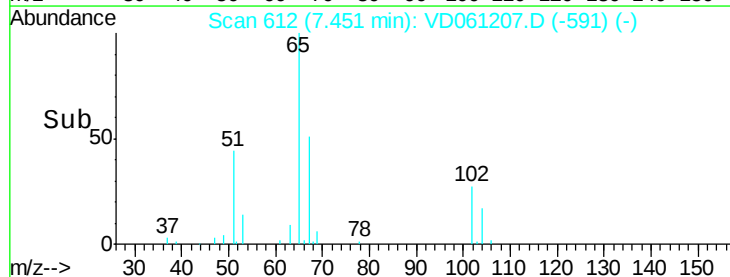
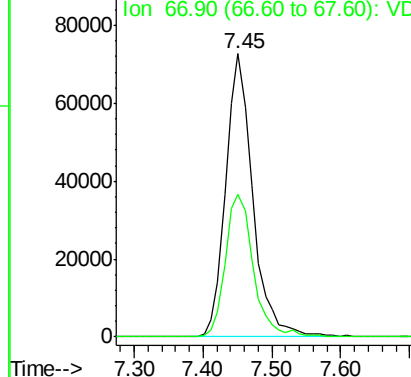
Lab File: VD061207.D

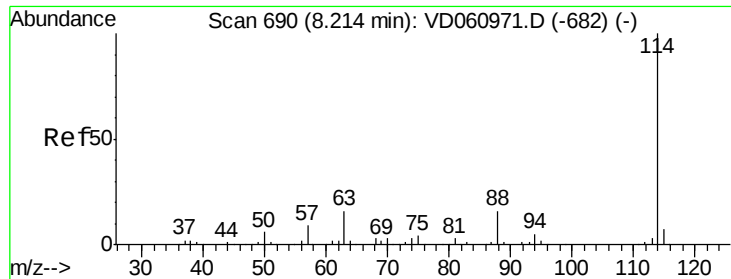
Acq: 20 Mar 2019 14:50

Tgt Ion:	65	Resp:	197882
Ion	Ratio	Lower	Upper
65	100		
67	50.5	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: 8.22 min Scan# 690

Delta R.T. 0.00 min

Lab File: VD061207.D

Acq: 20 Mar 2019 14:50

Instrument :

MSVOA_D

ClientSampleId :

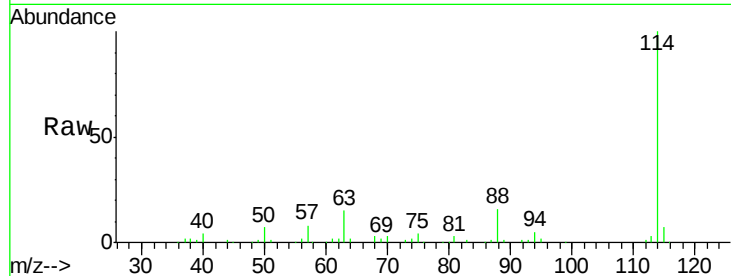
Tot Ion:114 Resp: 682396

Ion Ratio Lower Upper

114 100

63 15.4 0.0 31.4

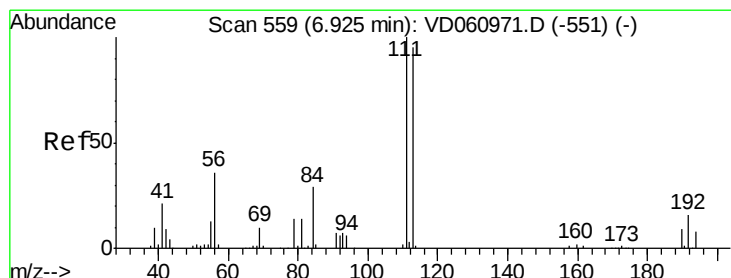
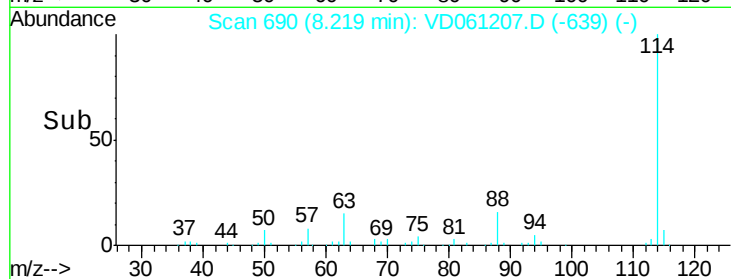
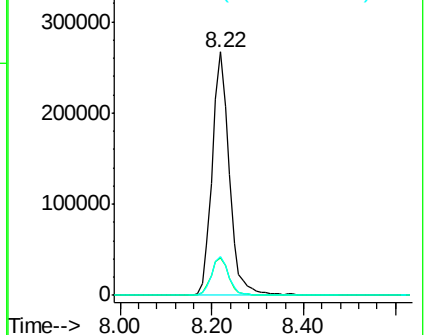
88 15.8 0.0 33.0



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: 6.92 min Scan# 558

Delta R.T. -0.01 min

Lab File: VD061207.D

Acq: 20 Mar 2019 14:50

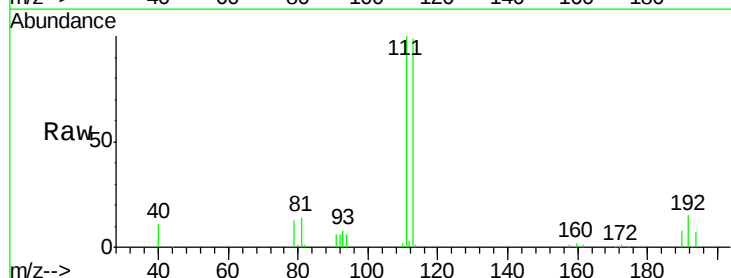
Tgt Ion:113 Resp: 312545

Ion Ratio Lower Upper

113 100

111 100.7 84.2 126.4

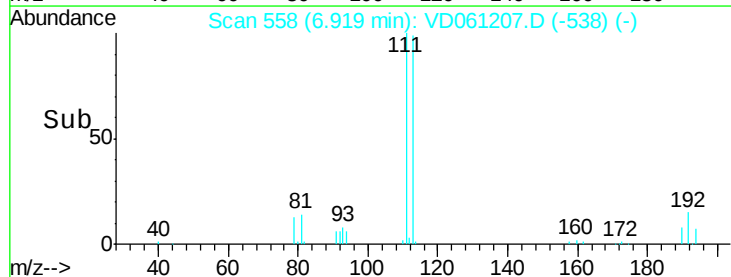
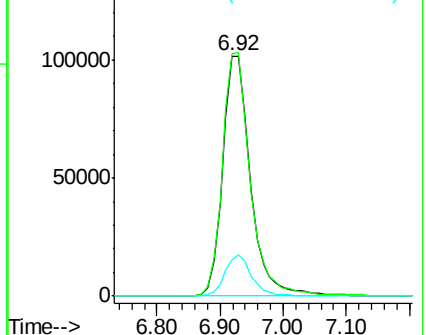
192 15.1 13.1 19.7

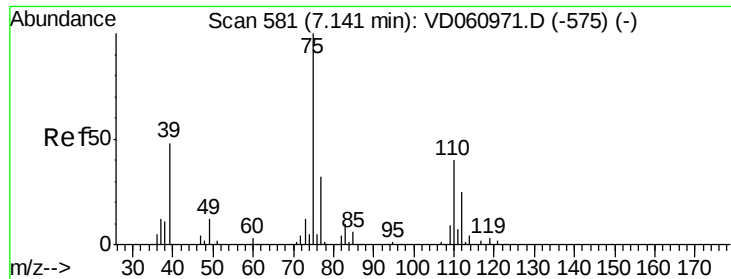


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 5.051 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.09 min

Lab File: VD061207.D

Acq: 20 Mar 2019 14:50

Instrument :

MSVOA_D

ClientSampleId :

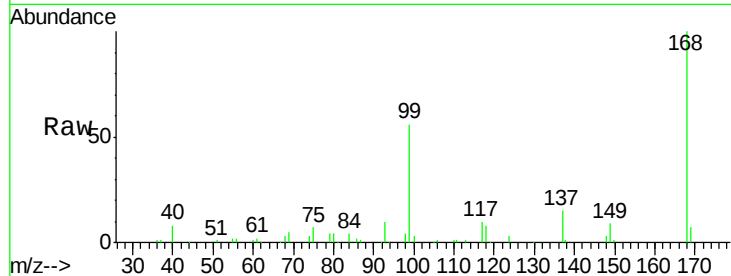
Tot Ion: 75 Resp: 29708

Ion Ratio Lower Upper

75 100

110 8.4 19.7 59.1#

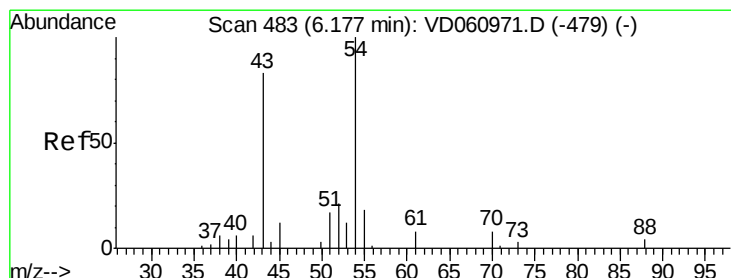
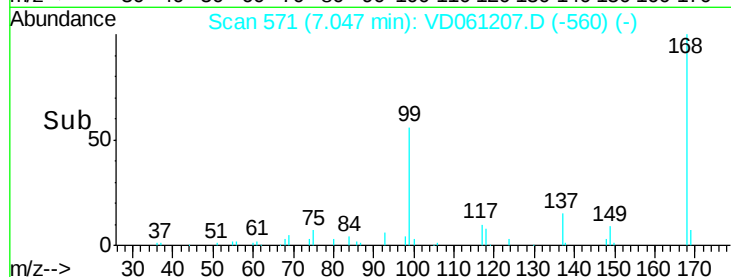
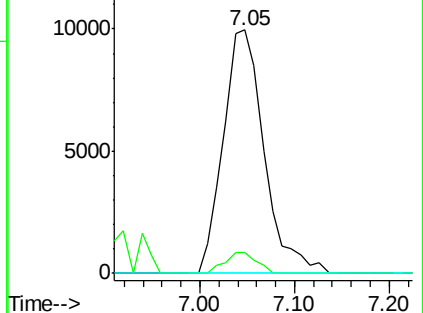
77 0.0 24.7 37.1#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.95 (76.65 to 77.65): VDC



#37

Ethyl Acetate

Concen: 2.972 ug/l

RT: 6.05 min Scan# 470

Delta R.T. -0.12 min

Lab File: VD061207.D

Acq: 20 Mar 2019 14:50

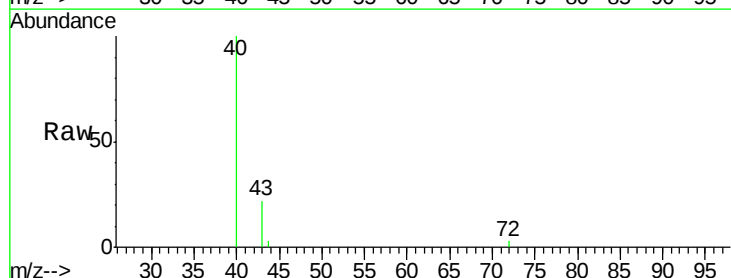
Tgt Ion: 43 Resp: 8204

Ion Ratio Lower Upper

43 100

61 0.0 13.7 20.5#

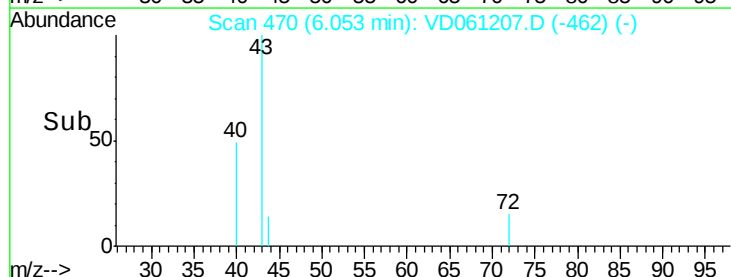
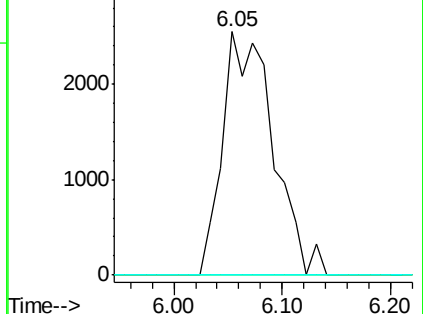
70 0.0 7.1 10.7#

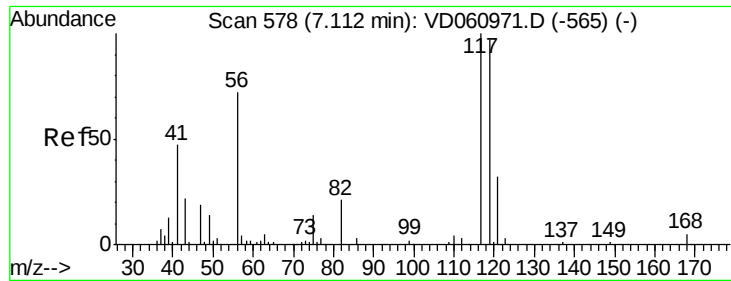


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

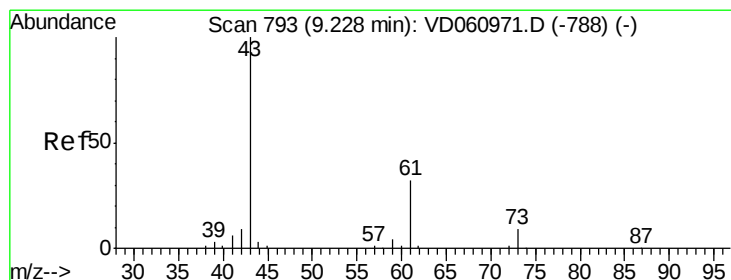
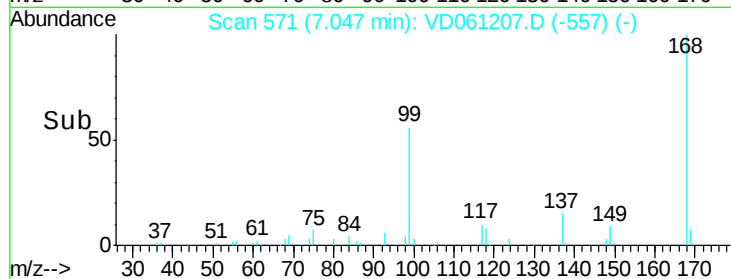
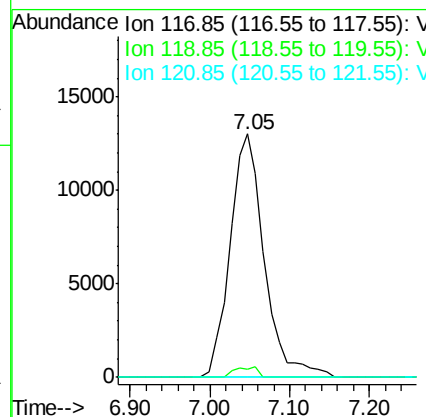
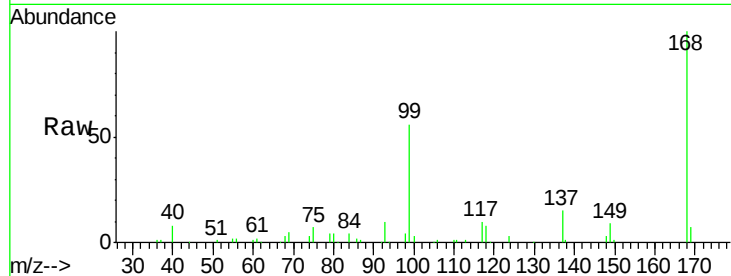




#38
 Carbon Tetrachloride
 Concen: 6.002 ug/l
 RT: 7.05 min Scan# 571
 Delta R.T. -0.06 min
 Lab File: VD061207.D
 Acq: 20 Mar 2019 14:50

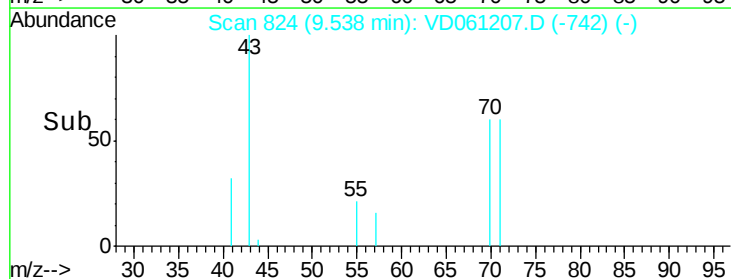
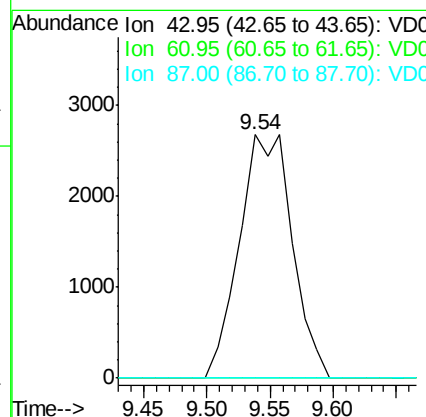
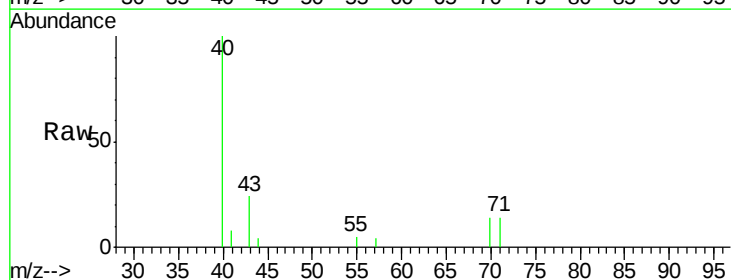
Instrument :
 MSVOA_D
 ClientSampleId :

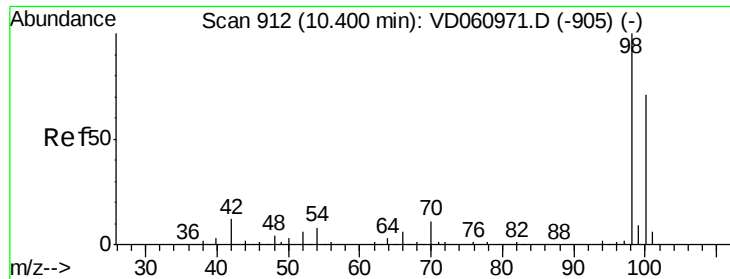
Tot Ion:117 Resp: 38887
 Ion Ratio Lower Upper
 117 100
 119 3.4 77.8 116.8#
 121 0.0 25.3 37.9#



#43
 Isopropyl Acetate
 Concen: 2.032 ug/l
 RT: 9.54 min Scan# 824
 Delta R.T. 0.31 min
 Lab File: VD061207.D
 Acq: 20 Mar 2019 14:50

Tgt Ion: 43 Resp: 7768
 Ion Ratio Lower Upper
 43 100
 61 0.0 25.6 38.4#
 87 0.0 0.2 0.4#





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.00 min

Lab File: VD061207.D

Acq: 20 Mar 2019 14:50

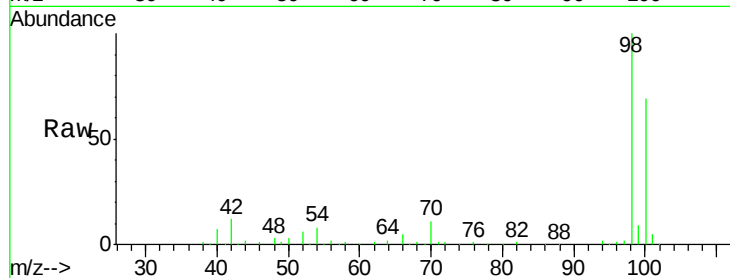
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 98 Resp: 650410

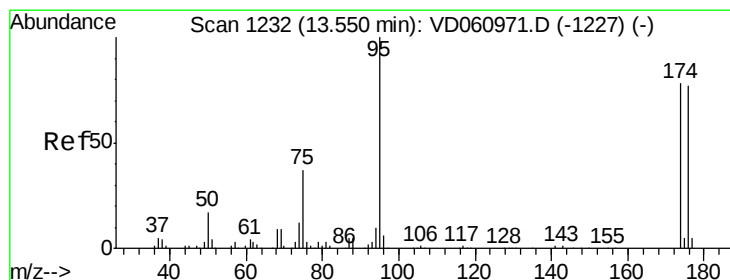
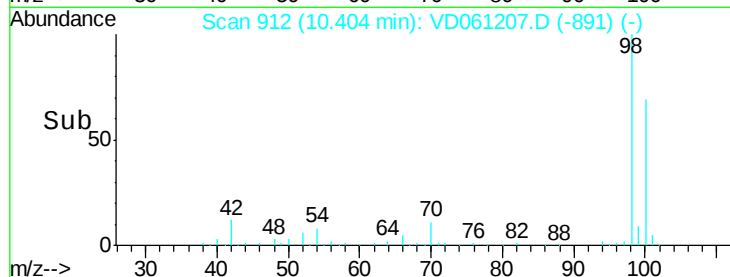
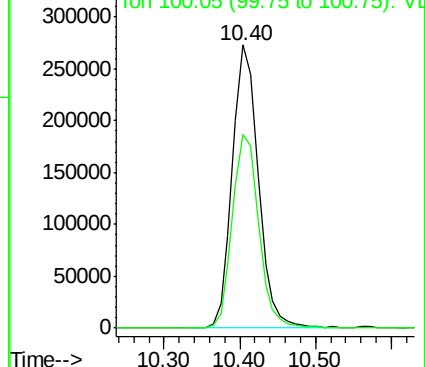
Ion Ratio Lower Upper

98 100

100 68.6 57.4 86.2



Abundance Ion 98.05 (97.75 to 98.75): VD060971.D (-905) (-)



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD061207.D

Acq: 20 Mar 2019 14:50

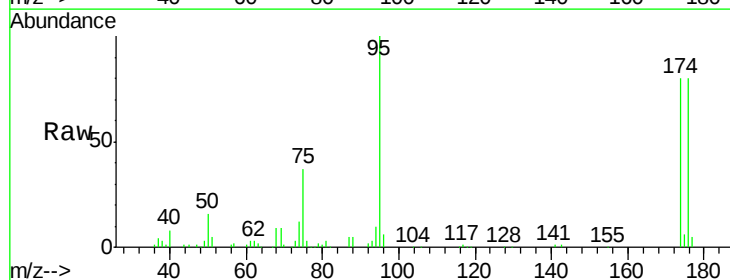
Tgt Ion: 95 Resp: 181948

Ion Ratio Lower Upper

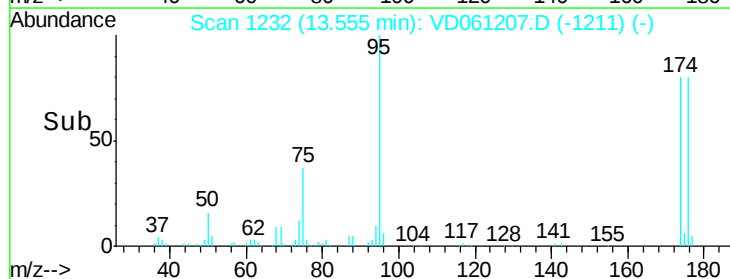
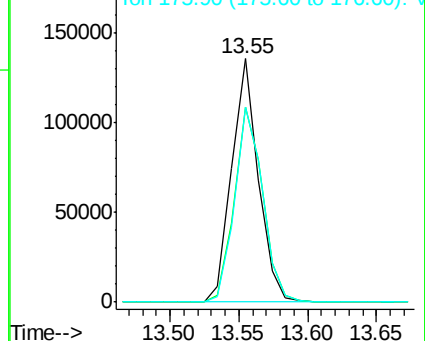
95 100

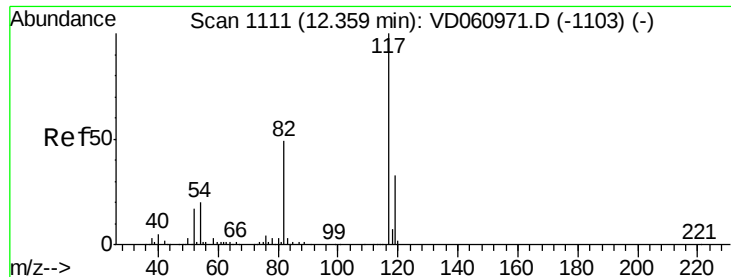
174 80.2 0.0 155.6

176 79.9 0.0 153.8



Abundance Ion 95.00 (94.70 to 95.70): VD060971.D (-1227) (-)

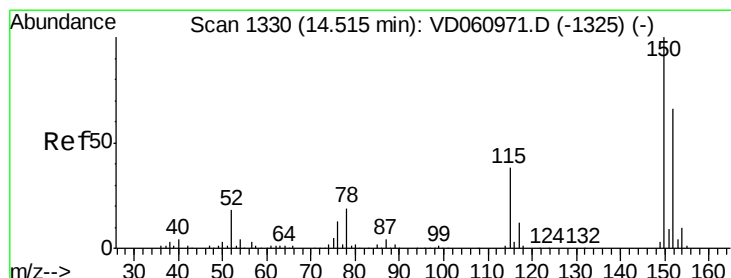
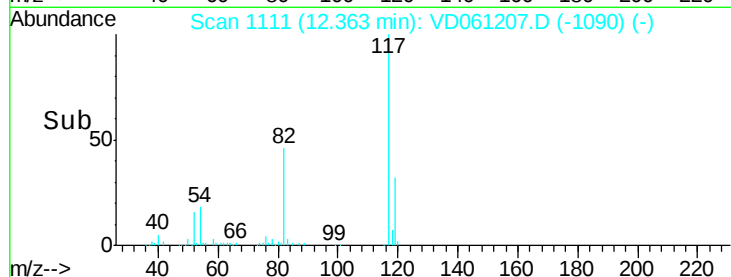
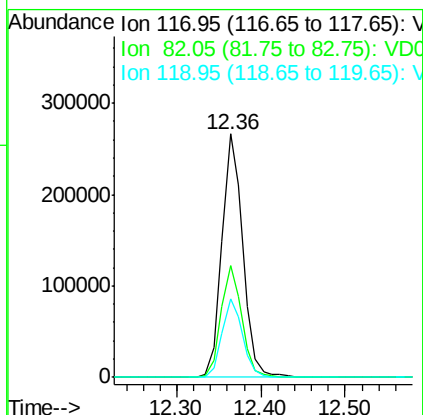
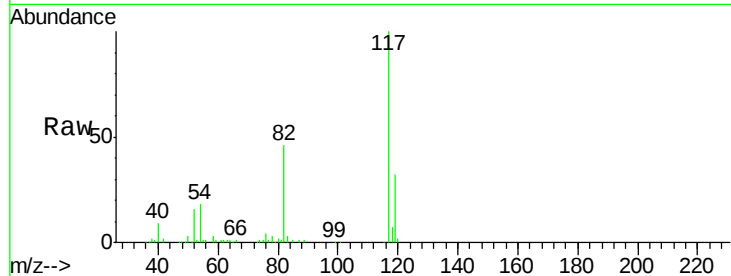




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD061207.D
Acq: 20 Mar 2019 14:50

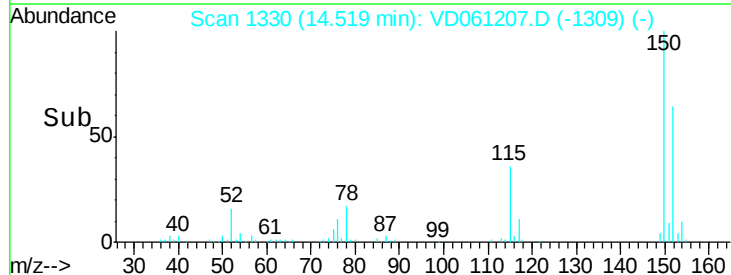
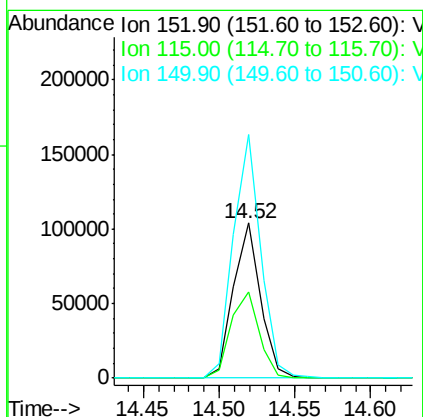
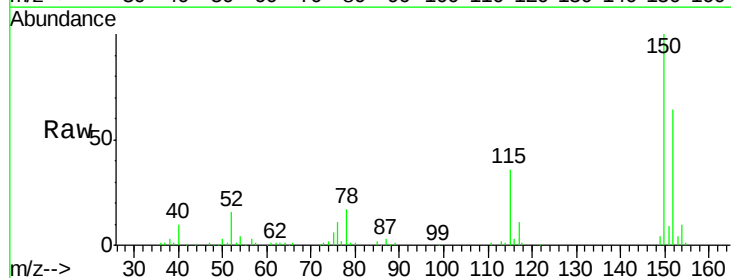
Instrument :
MSVOA_D
ClientSampleId :

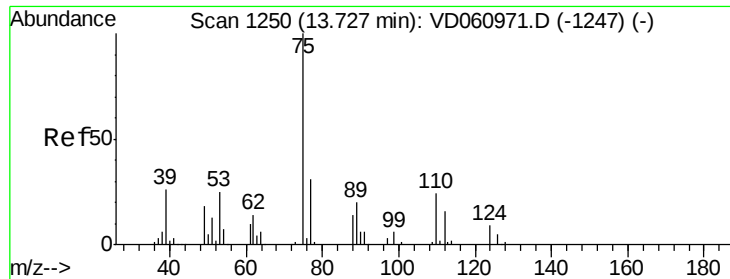
Tot Ion:117 Resp: 456708
Ion Ratio Lower Upper
117 100
82 46.0 38.9 58.3
119 32.0 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD061207.D
Acq: 20 Mar 2019 14:50

Tgt Ion:152 Resp: 129821
Ion Ratio Lower Upper
152 100
115 56.0 28.6 85.9
150 157.1 0.0 310.6





#76

1,2,3-Trichloropropane

Concen: 25.563 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.17 min

Lab File: VD061207.D

Acq: 20 Mar 2019 14:50

Instrument :

MSVOA_D

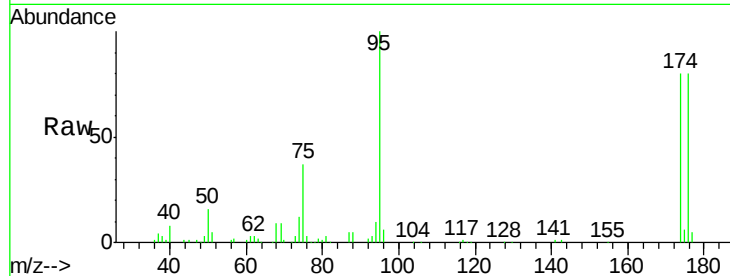
ClientSampleId :

Tot Ion: 75 Resp: 47745

Ion Ratio Lower Upper

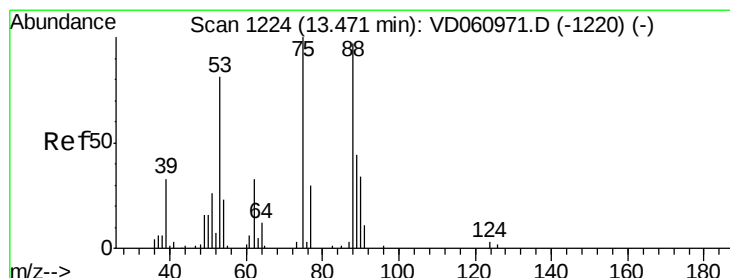
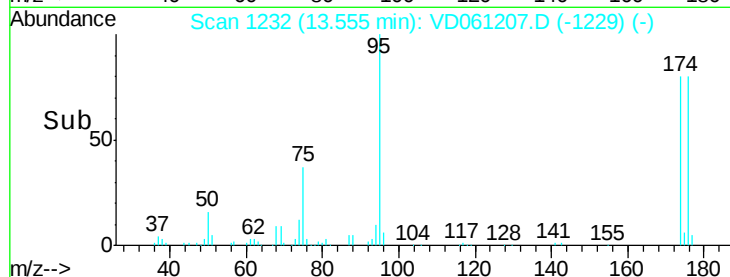
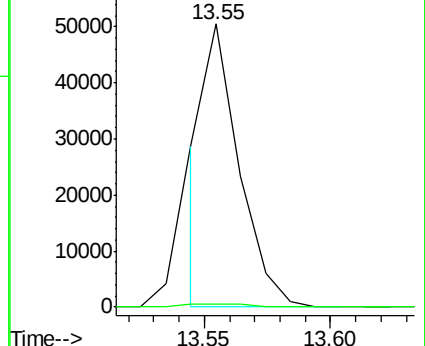
75 100

77 1.2 16.6 49.7#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 121.789 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD061207.D

Acq: 20 Mar 2019 14:50

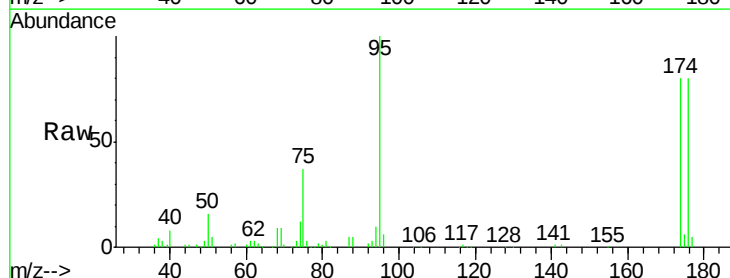
Tgt Ion: 75 Resp: 67062

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

