

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031419\
 Data File : VD061075.D
 Acq On : 14 Mar 2019 20:04
 Operator : VA/AP
 Sample : K1908-01
 Misc : 6.28g/5ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MH-02

Quant Time: Mar 15 02:14:21 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	507044	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.23	114	877323	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.37	117	675223	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	241757	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	221992	52.60	ug/l	0.01
Spiked Amount			Recovery	=	105.20%	
35) Dibromofluoromethane	6.93	113	355826	54.65	ug/l	0.00
Spiked Amount			Recovery	=	109.30%	
50) Toluene-d8	10.41	98	802323	49.07	ug/l	0.01
Spiked Amount			Recovery	=	98.14%	
62) 4-Bromofluorobenzene	13.55	95	278812	43.95	ug/l	0.00
Spiked Amount			Recovery	=	87.90%	

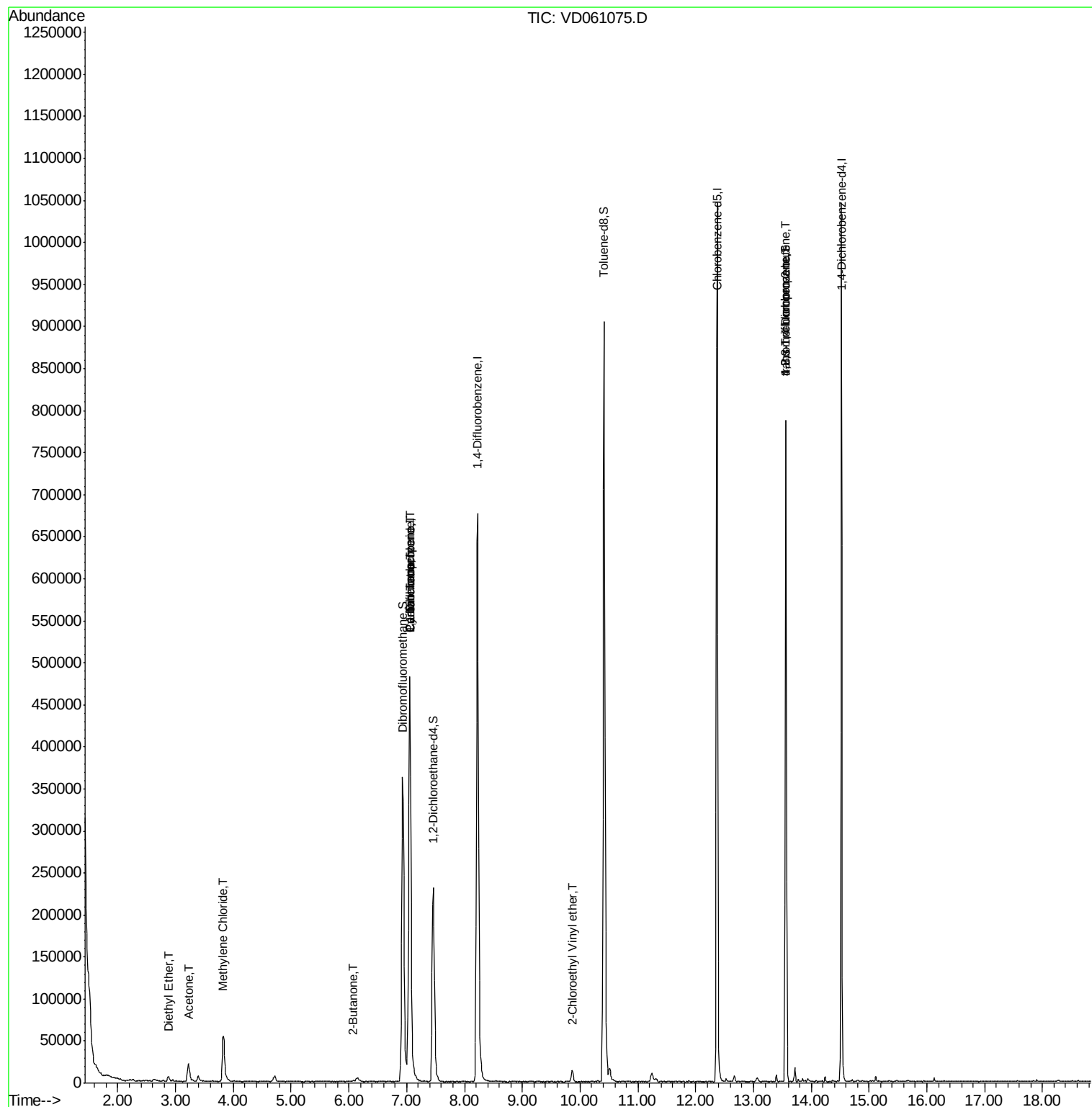
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.22	94	214	Below Cal	#	8
8) Diethyl Ether	2.88	74	2649	1.446	ug/l	70
16) Acetone	3.23	43	42396	35.128	ug/l	100
20) Methylene Chloride	3.83	84	43303	3.535	ug/l	95
25) 2-Butanone	6.08	43	3464	2.529	ug/l	# 55
31) Cyclohexane	7.06	56	8473	1.135	ug/l	# 1
36) 1,1-Dichloropropene	7.06	75	36973	4.889	ug/l	# 45
38) Carbon Tetrachloride	7.06	117	49118	5.896	ug/l	# 15
58) 2-Chloroethyl Vinyl ether	9.86	63	8201	3.783	ug/l	# 81
76) 1,2,3-Trichloropropane	13.55	75	85492	24.580	ug/l	# 45
81) trans-1,4-Dichloro-2-buten	13.55	75	100171	97.688	ug/l	# 17

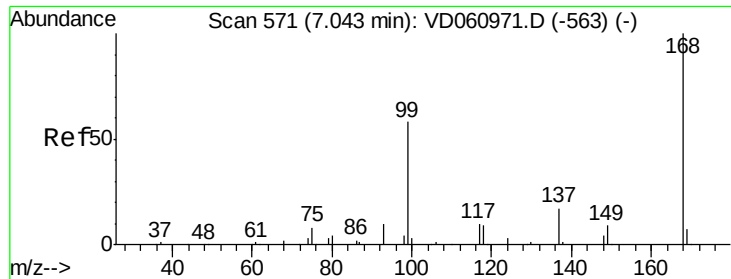
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD031419\
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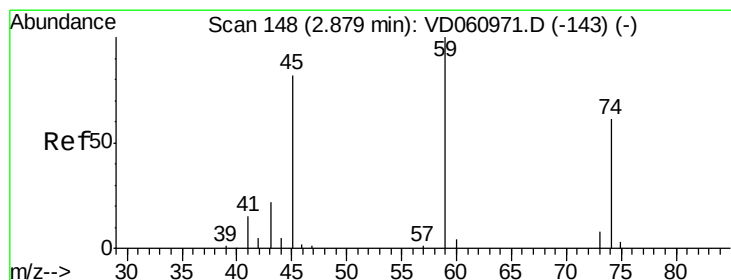
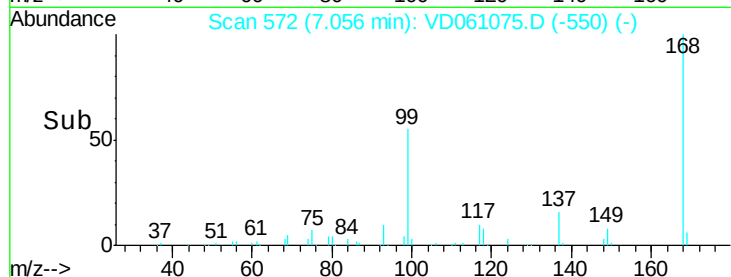
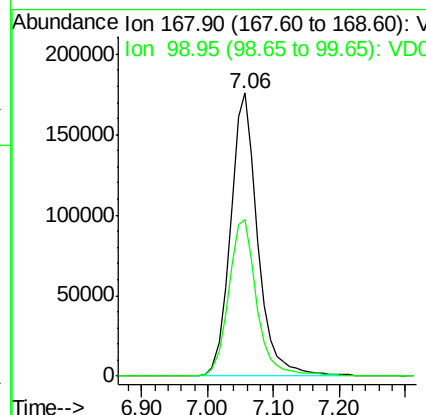
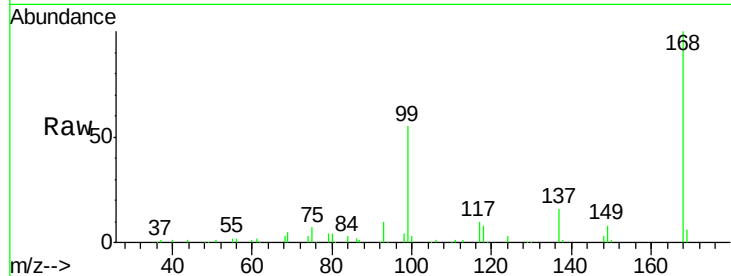




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.06 min Scan# 572
Delta R.T. 0.01 min
Lab File: VD061075.D
Acq: 14 Mar 2019 20:04

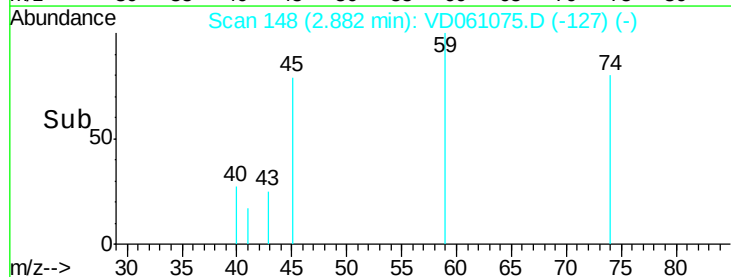
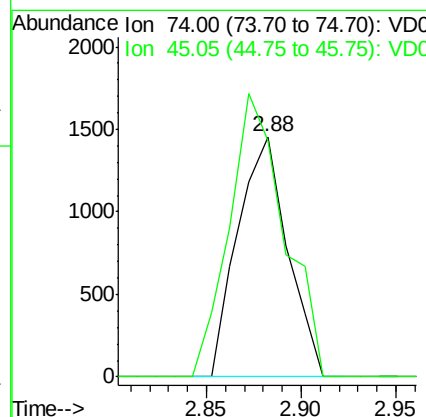
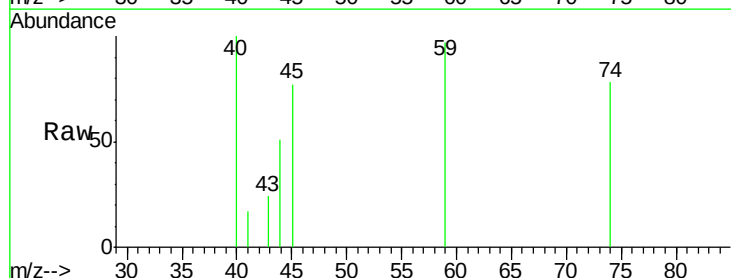
Instrument :
MSVOA_D
ClientSampleId :
MH-02

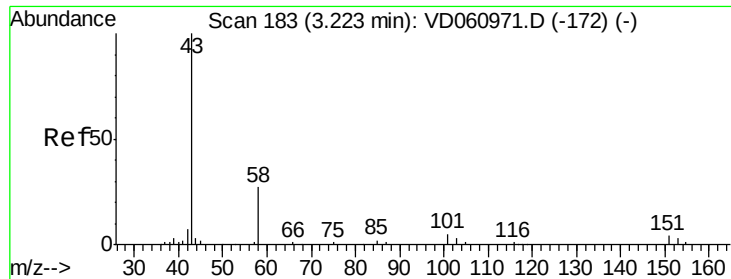
Tot Ion:168 Resp: 507044
Ion Ratio Lower Upper
168 100
99 55.4 47.3 70.9



#8
Diethyl Ether
Concen: 1.446 ug/l
RT: 2.88 min Scan# 148
Delta R.T. 0.00 min
Lab File: VD061075.D
Acq: 14 Mar 2019 20:04

Tgt Ion: 74 Resp: 2649
Ion Ratio Lower Upper
74 100
45 98.5 67.0 201.1





#16

Acetone

Concen: 35.128 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.00 min

Lab File: VD061075.D

Acq: 14 Mar 2019 20:04

Instrument :

MSVOA_D

ClientSampleId :

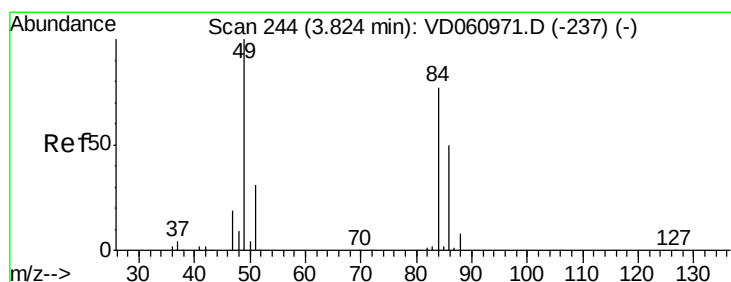
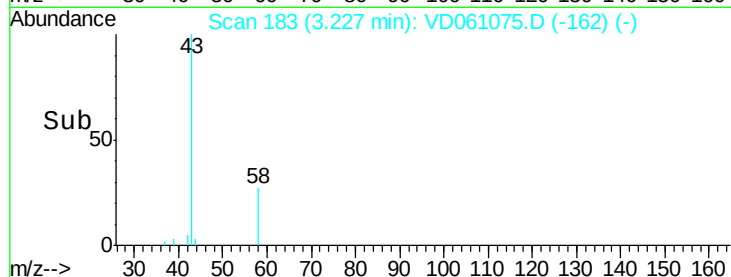
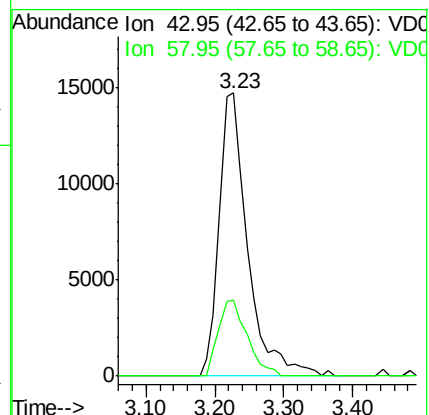
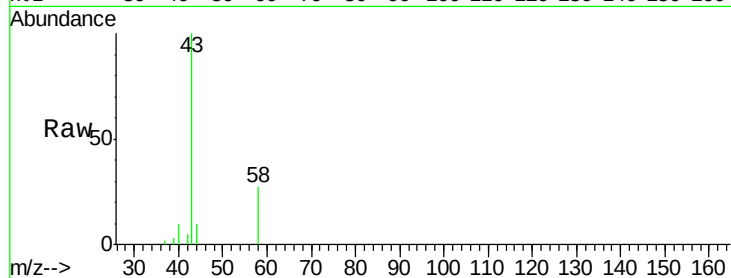
MH-02

Tot Ion: 43 Resp: 42396

Ion Ratio Lower Upper

43 100

58 27.0 21.6 32.4



#20

Methylene Chloride

Concen: 3.535 ug/l

RT: 3.83 min Scan# 244

Delta R.T. 0.00 min

Lab File: VD061075.D

Acq: 14 Mar 2019 20:04

Tgt Ion: 84 Resp: 43303

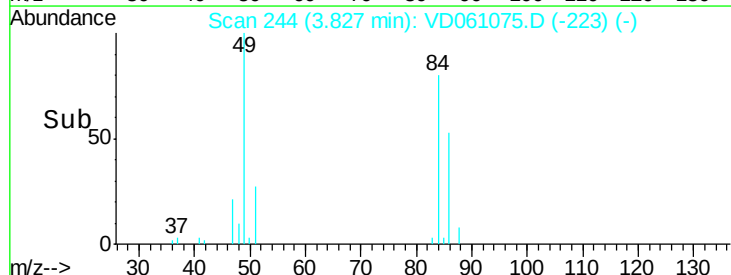
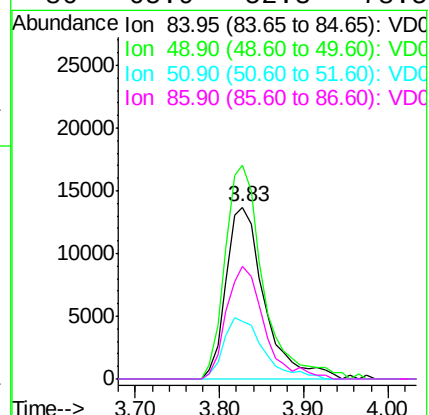
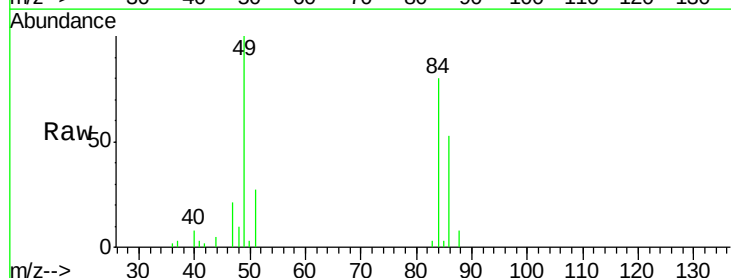
Ion Ratio Lower Upper

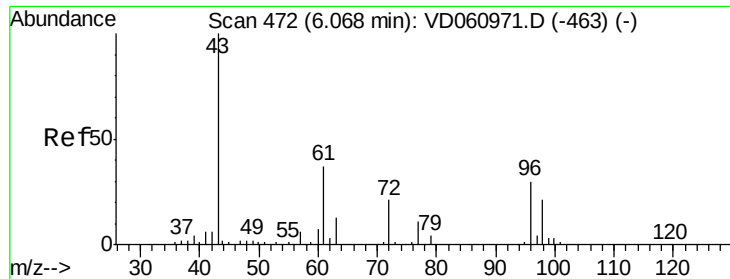
84 100

49 124.3 104.2 156.2

51 33.5 32.3 48.5

86 65.9 52.3 78.5





#25

2-Butanone

Concen: 2.529 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.01 min

Lab File: VD061075.D

Acq: 14 Mar 2019 20:04

Instrument :

MSVOA_D

ClientSampled :

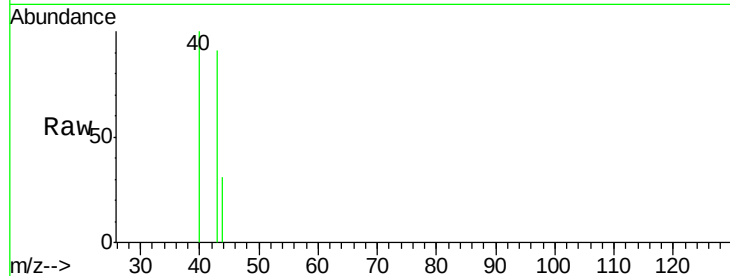
MH-02

Tot Ion: 43 Resp: 3464

Ion Ratio Lower Upper

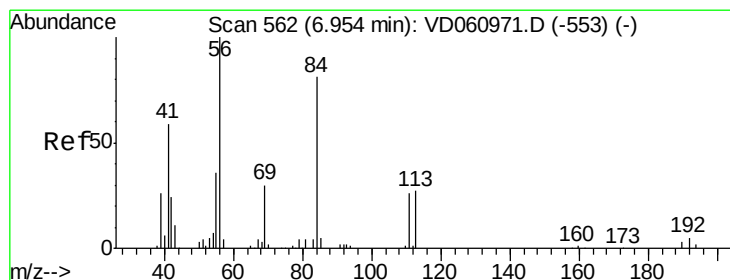
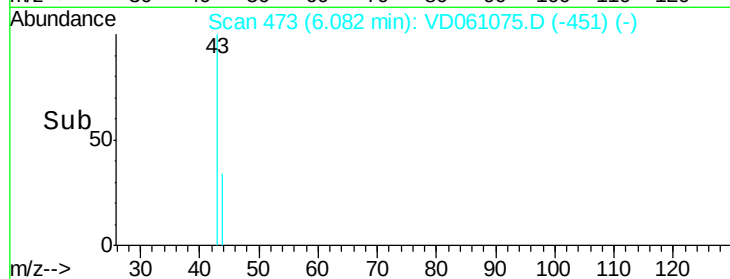
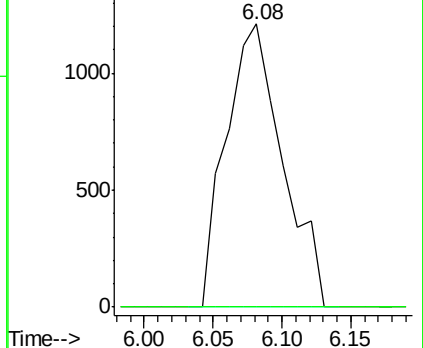
43 100

72 0.0 16.7 25.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 1.135 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.10 min

Lab File: VD061075.D

Acq: 14 Mar 2019 20:04

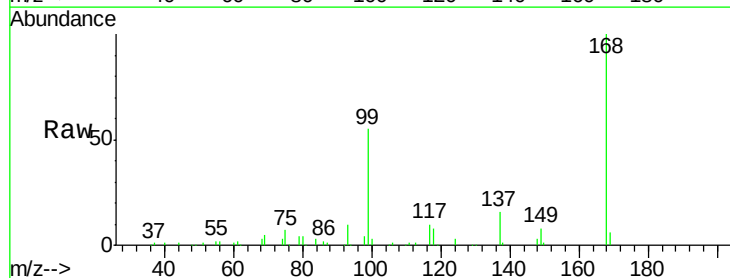
Tgt Ion: 56 Resp: 8473

Ion Ratio Lower Upper

56 100

69 226.6 24.0 36.0#

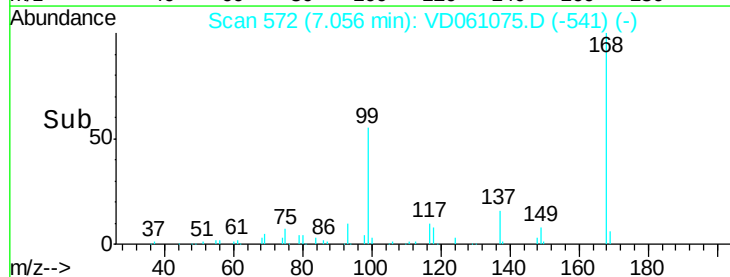
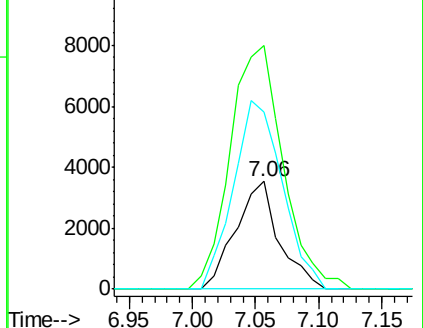
84 164.6 65.8 98.6#

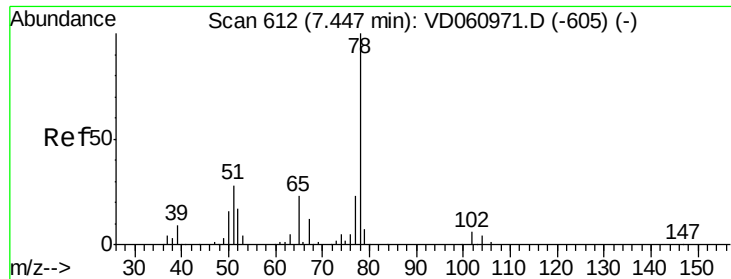


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

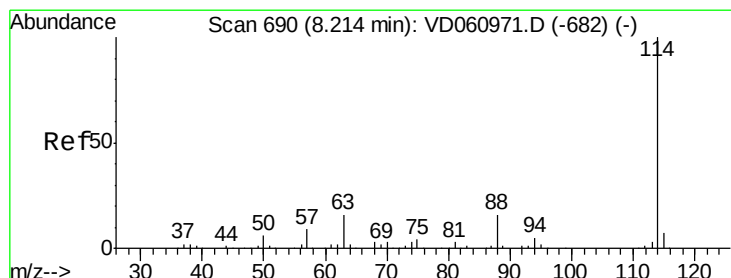
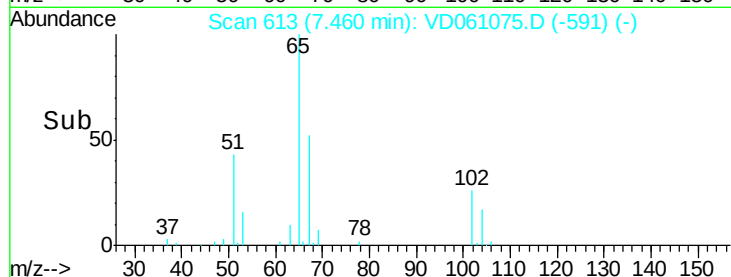
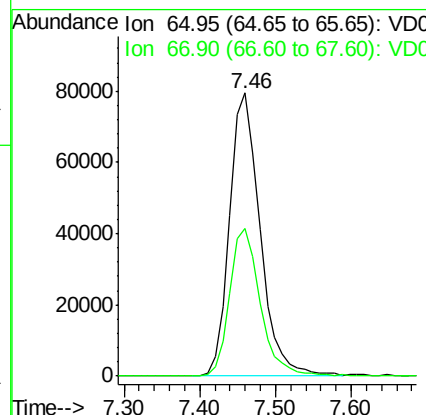
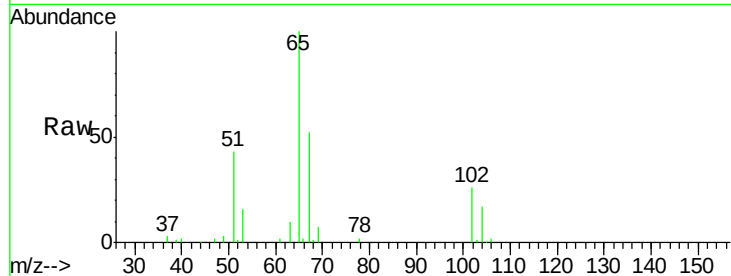




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. 0.01 min
 Lab File: VD061075.D
 Acq: 14 Mar 2019 20:04

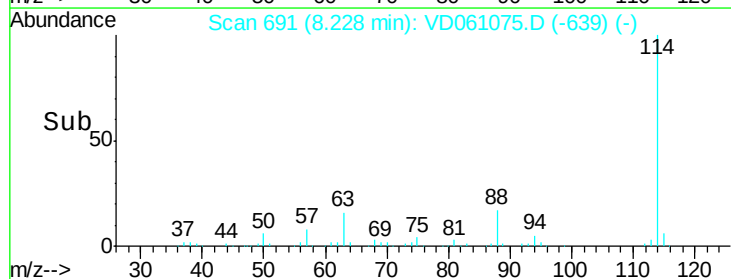
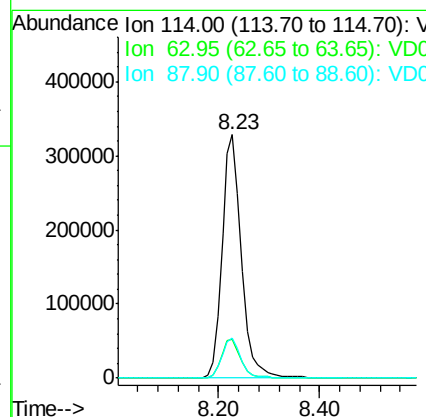
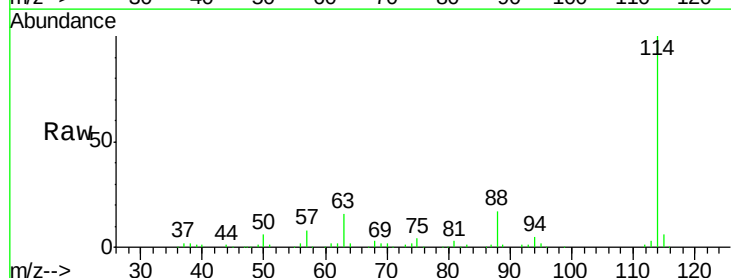
Instrument :
 MSVOA_D
 ClientSampleId :
 MH-02

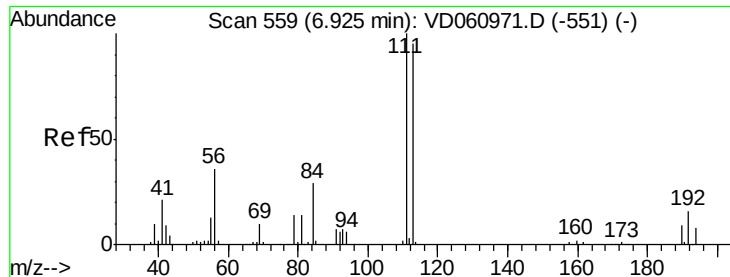
Tot Ion: 65 Resp: 221992
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.01 min
 Lab File: VD061075.D
 Acq: 14 Mar 2019 20:04

Tgt Ion: 114 Resp: 877323
 Ion Ratio Lower Upper
 114 100
 63 15.8 0.0 31.4
 88 16.7 0.0 33.0

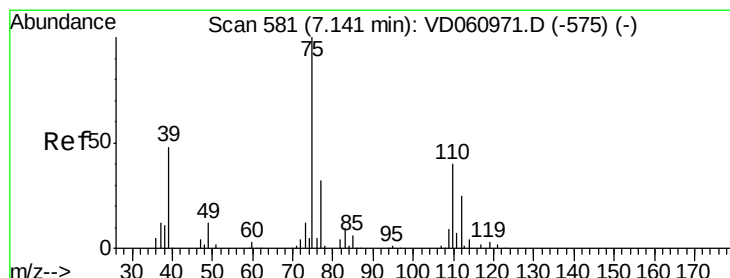
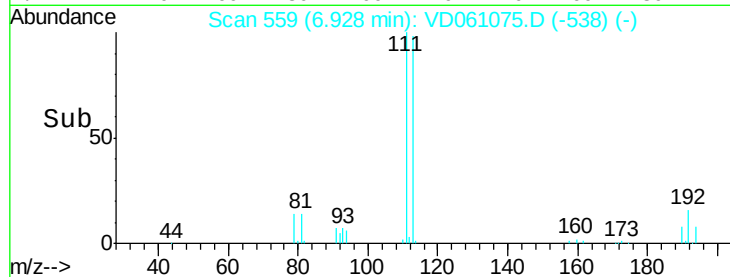
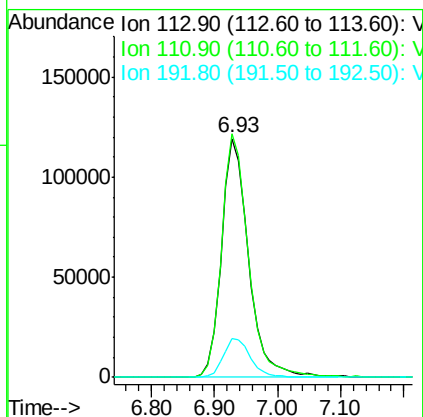
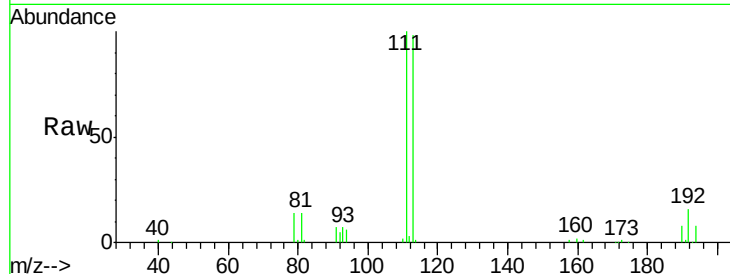




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. 0.00 min
 Lab File: VD061075.D
 Acq: 14 Mar 2019 20:04

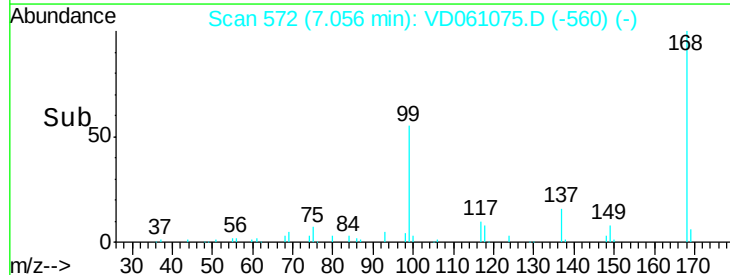
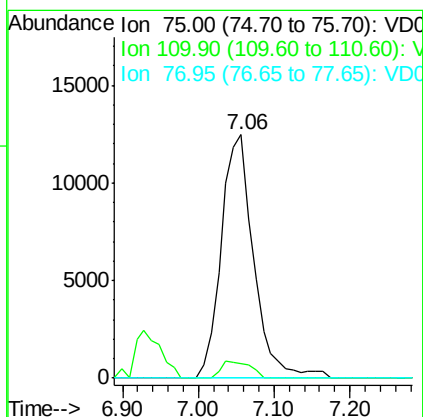
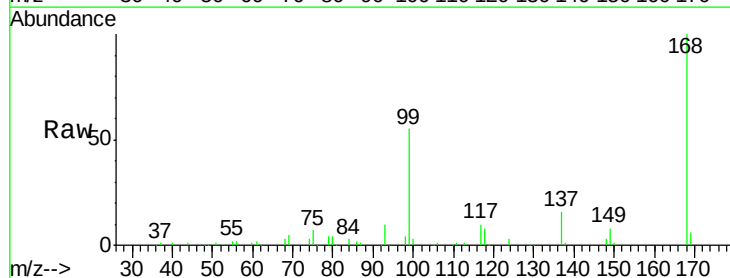
Instrument :
 MSVOA_D
 ClientSampleId :
 MH-02

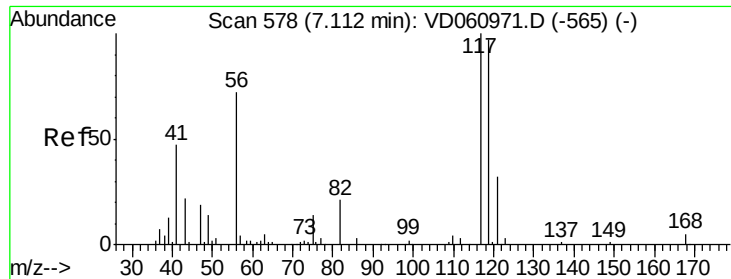
Tot Ion:113 Resp: 355826
 Ion Ratio Lower Upper
 113 100
 111 101.8 84.2 126.4
 192 16.3 13.1 19.7



#36
 1,1-Dichloropropene
 Concen: 4.889 ug/l
 RT: 7.06 min Scan# 572
 Delta R.T. -0.09 min
 Lab File: VD061075.D
 Acq: 14 Mar 2019 20:04

Tgt Ion: 75 Resp: 36973
 Ion Ratio Lower Upper
 75 100
 110 6.1 19.7 59.1#
 77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.896 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.06 min

Lab File: VD061075.D

Acq: 14 Mar 2019 20:04

Instrument :

MSVOA_D

ClientSampleId :

MH-02

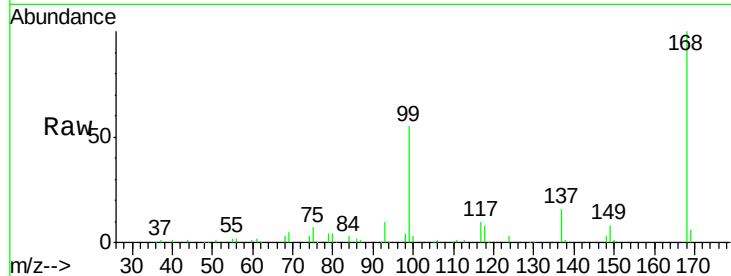
Tot Ion:117 Resp: 49118

Ion Ratio Lower Upper

117 100

119 4.5 77.8 116.8#

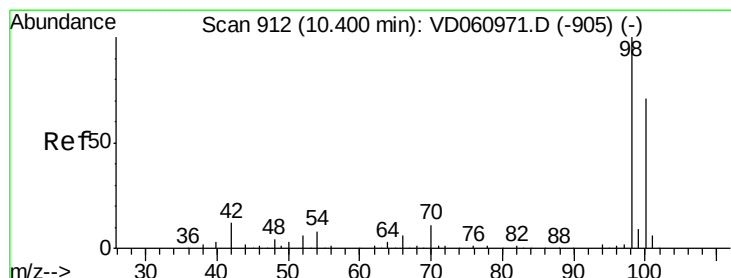
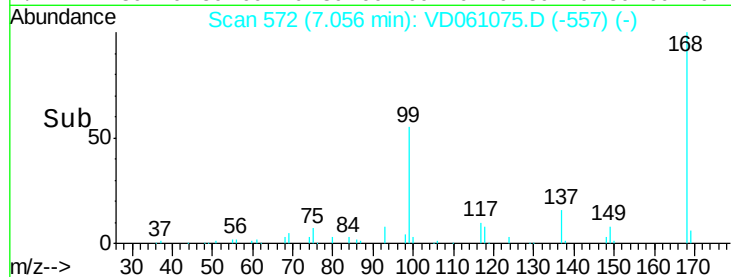
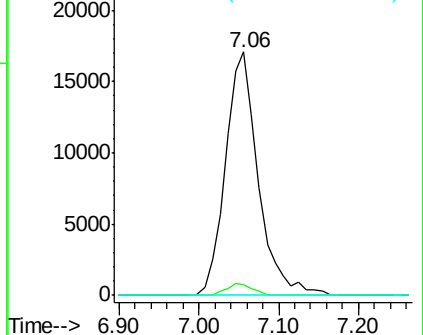
121 0.0 25.3 37.9#



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: 10.41 min Scan# 913

Delta R.T. 0.01 min

Lab File: VD061075.D

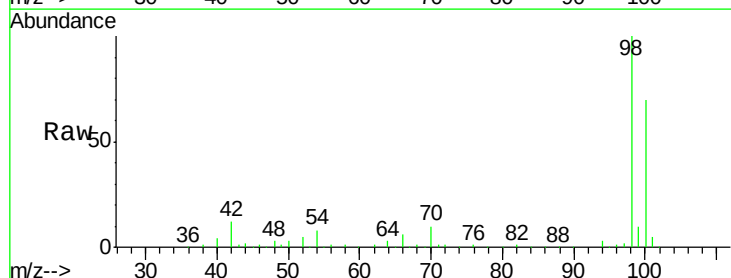
Acq: 14 Mar 2019 20:04

Tgt Ion: 98 Resp: 802323

Ion Ratio Lower Upper

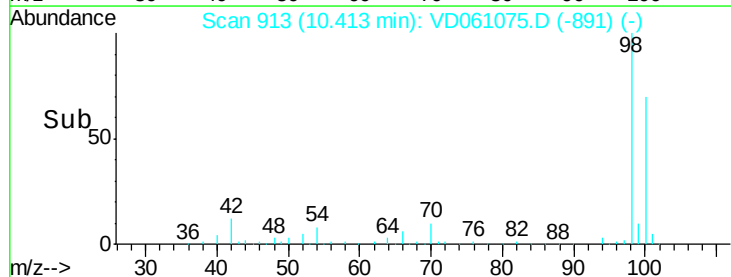
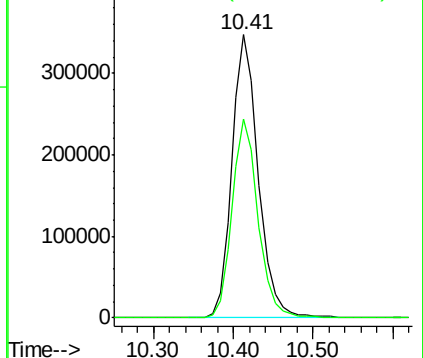
98 100

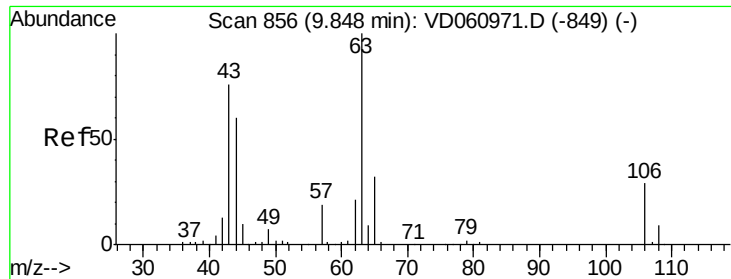
100 70.1 57.4 86.2



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

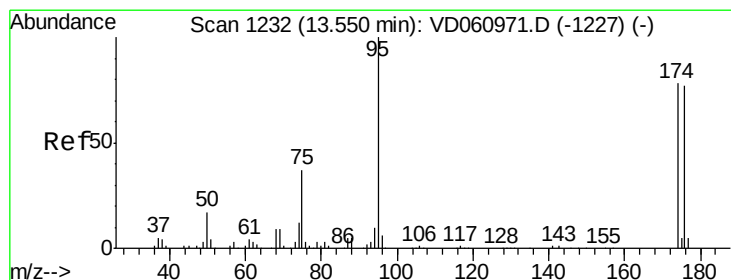
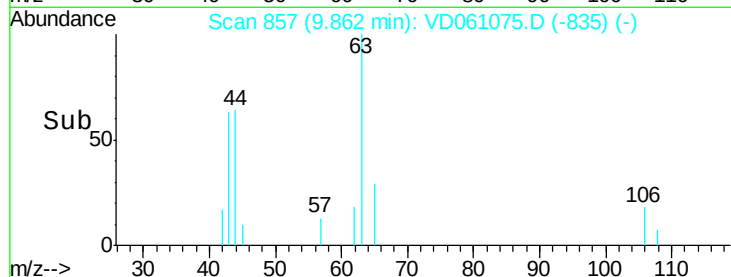
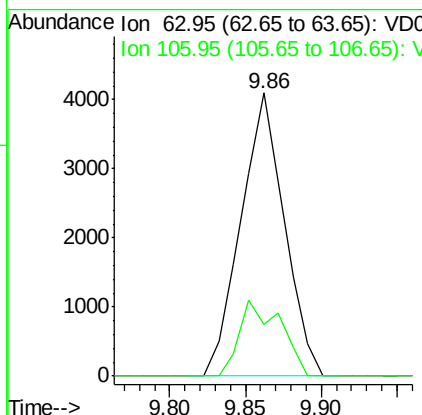
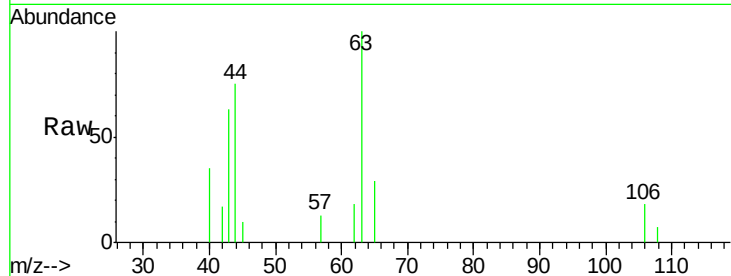




#58
 2-Chloroethyl Vinyl ether
 Concen: 3.783 ug/l
 RT: 9.86 min Scan# 857
 Delta R.T. 0.01 min
 Lab File: VD061075.D
 Acq: 14 Mar 2019 20:04

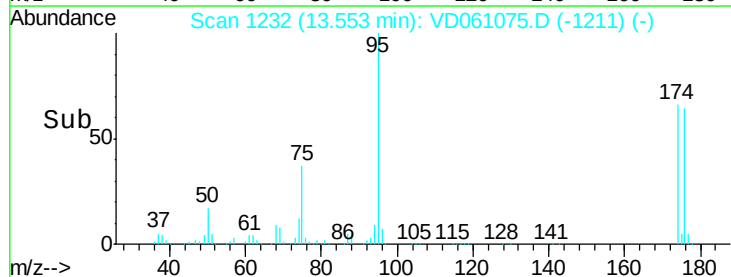
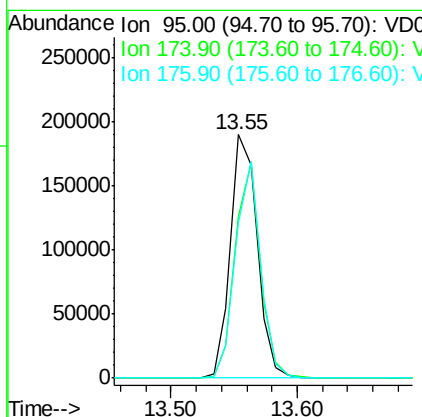
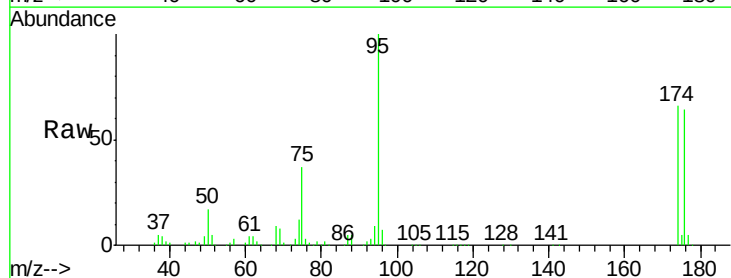
Instrument :
 MSVOA_D
 ClientSampleId :
 MH-02

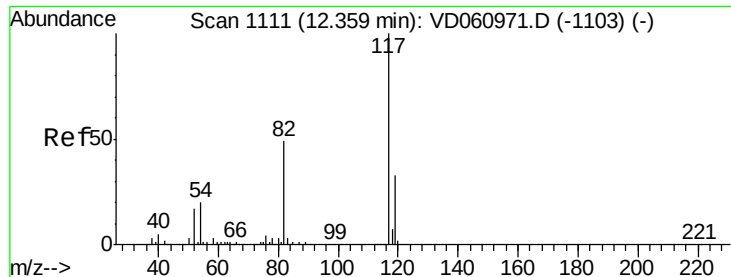
Tot Ion: 63 Resp: 8201
 Ion Ratio Lower Upper
 63 100
 106 18.5 22.8 34.2#



#62
 4-Bromofluorobenzene
 Concen: N.D. ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD061075.D
 Acq: 14 Mar 2019 20:04

Tgt Ion: 95 Resp: 278812
 Ion Ratio Lower Upper
 95 100
 174 66.4 0.0 155.6
 176 63.6 0.0 153.8

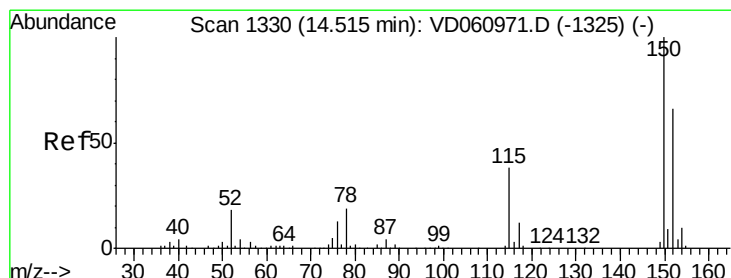
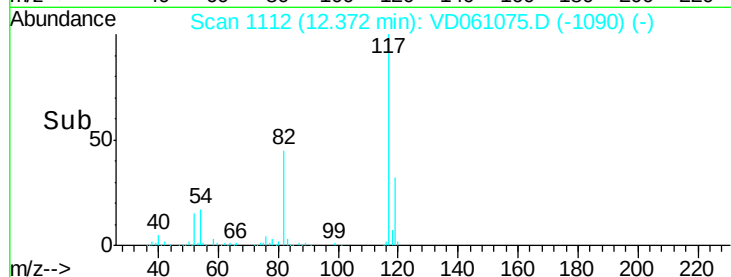
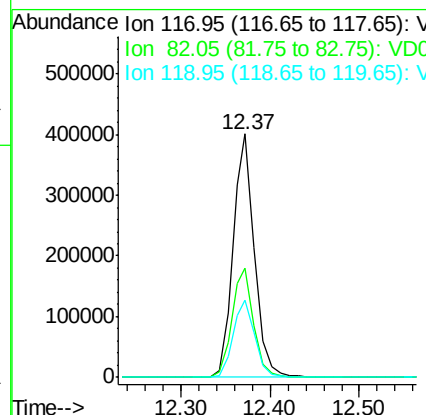
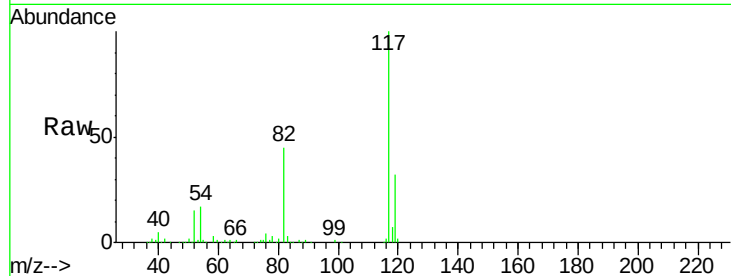




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD061075.D
Acq: 14 Mar 2019 20:04

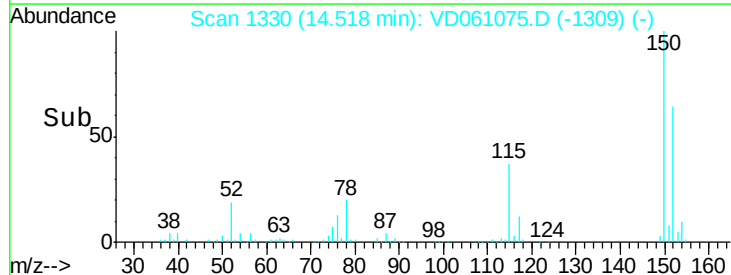
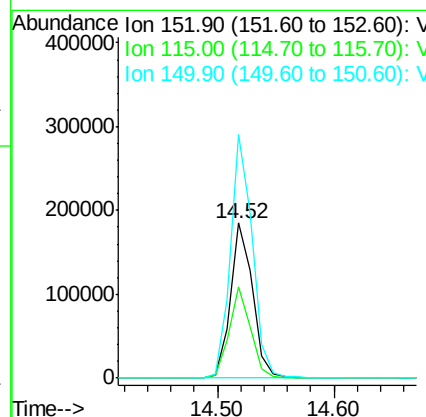
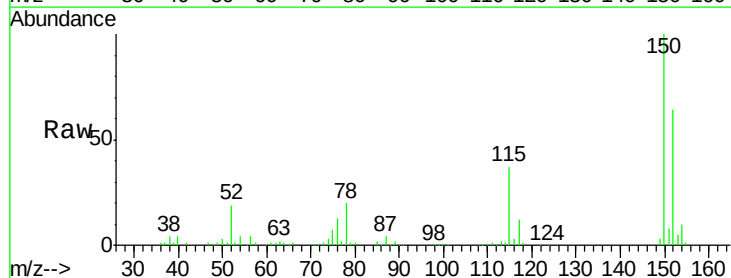
Instrument :
MSVOA_D
ClientSampled :
MH-02

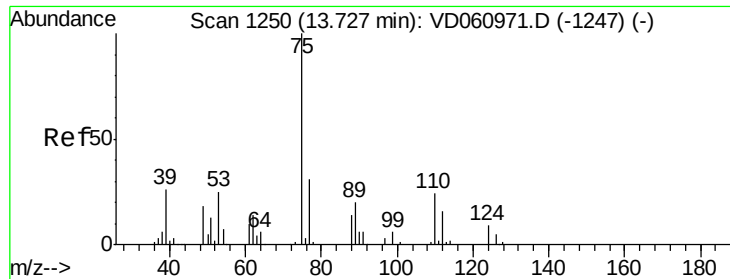
Tot Ion:117 Resp: 675223
Ion Ratio Lower Upper
117 100
82 44.9 38.9 58.3
119 31.8 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD061075.D
Acq: 14 Mar 2019 20:04

Tgt Ion:152 Resp: 241757
Ion Ratio Lower Upper
152 100
115 58.7 28.6 85.9
150 157.2 0.0 310.6





#76

1,2,3-Trichloropropane

Concen: 24.580 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.17 min

Lab File: VD061075.D

Acq: 14 Mar 2019 20:04

Instrument :

MSVOA_D

ClientSampleId :

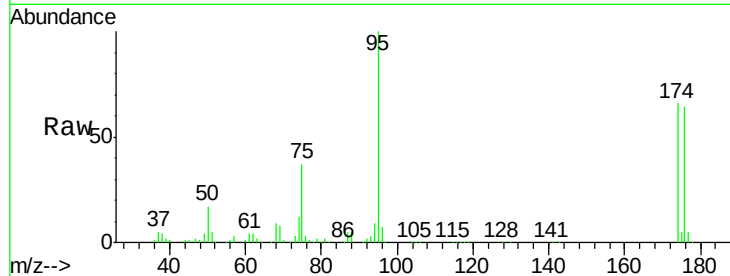
MH-02

Tot Ion: 75 Resp: 85492

Ion Ratio Lower Upper

75 100

77 1.8 16.6 49.7#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

13.55

80000

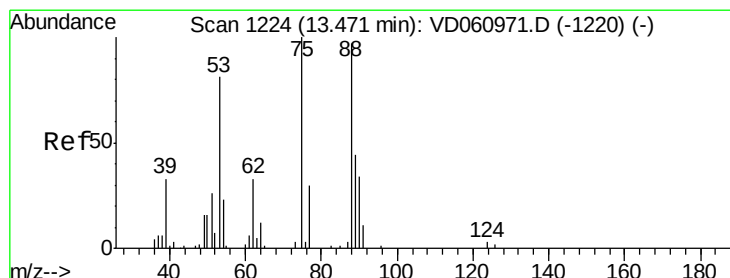
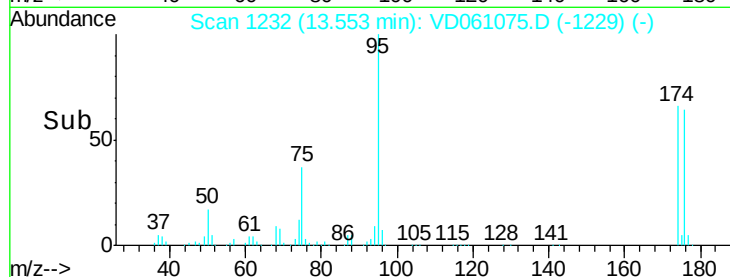
60000

40000

20000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 97.688 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD061075.D

Acq: 14 Mar 2019 20:04

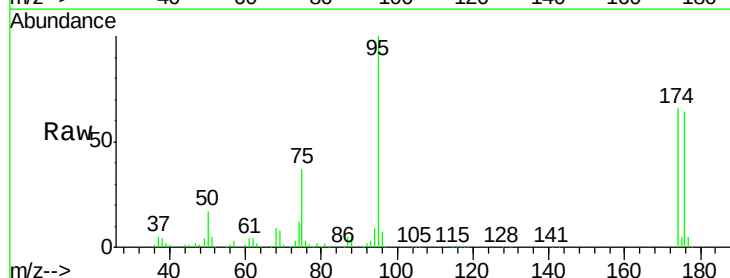
Tgt Ion: 75 Resp: 100171

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

13.55

80000

60000

40000

20000

0

Time-->

