

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031519\
 Data File : VD061093.D
 Acq On : 15 Mar 2019 18:10
 Operator : VA/AP
 Sample : K1908-01RE
 Misc : 5.69g/5ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MH-02

Quant Time: Mar 16 05:44:05 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	7.07	168	467940	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.24	114	844442	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.38	117	637285	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	258350	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.48	65	214053	54.96	ug/l	0.03
Spiked Amount			Recovery	=	109.92%	
35) Dibromofluoromethane	6.94	113	307660	49.09	ug/l	0.02
Spiked Amount			Recovery	=	98.18%	
50) Toluene-d8	10.43	98	705703	44.84	ug/l	0.03
Spiked Amount			Recovery	=	89.68%	
62) 4-Bromofluorobenzene	13.57	95	266085	43.57	ug/l	0.02
Spiked Amount			Recovery	=	87.14%	

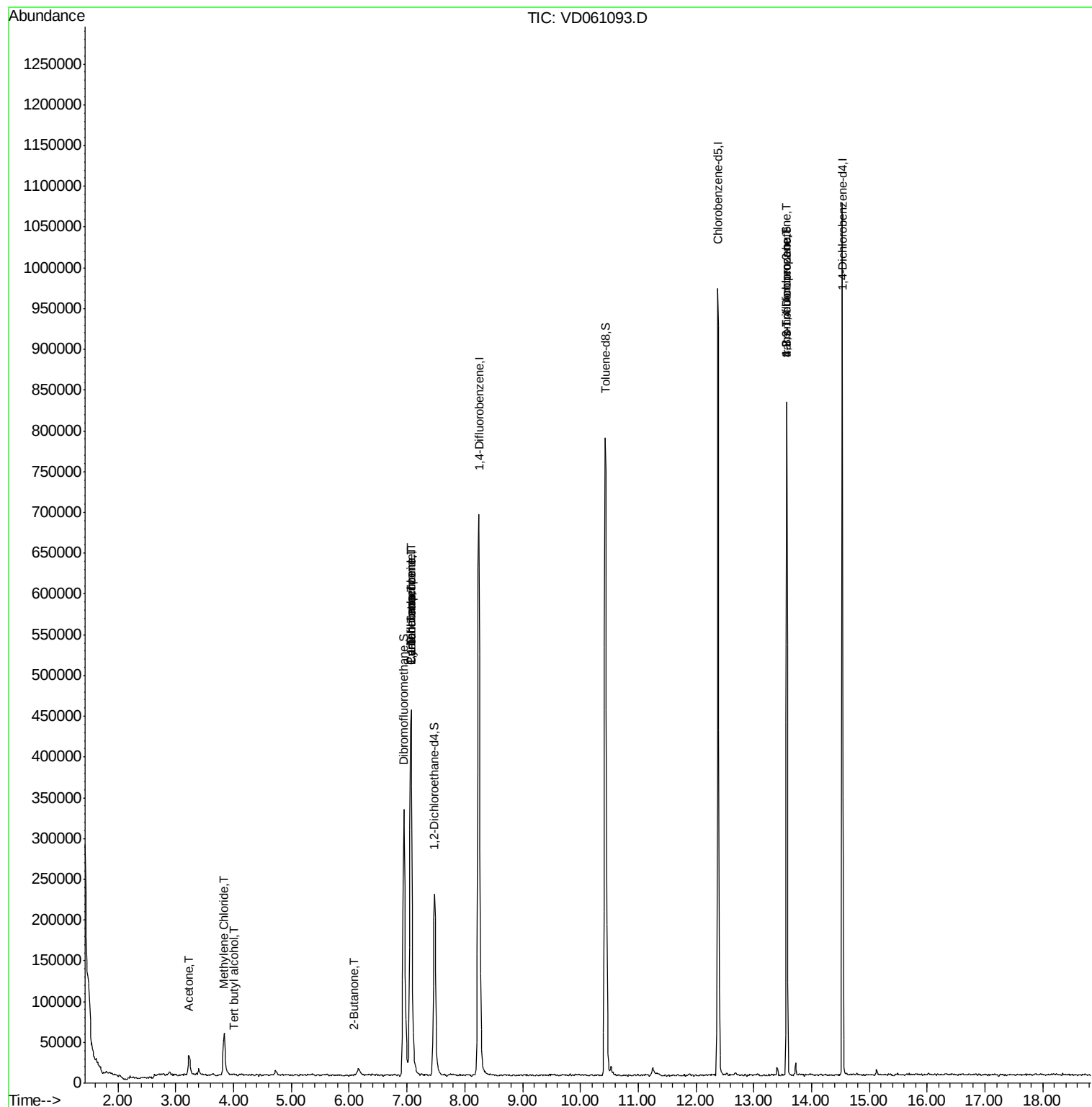
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.17	94	199	Below Cal	#	8
11) Tert butyl alcohol	4.00	59	421	1.698	ug/l #	75
16) Acetone	3.22	43	44615	40.056	ug/l	96
20) Methylene Chloride	3.84	84	37590	3.020	ug/l #	91
25) 2-Butanone	6.10	43	2784	2.203	ug/l #	55
31) Cyclohexane	7.06	56	7454	1.081	ug/l #	1
36) 1,1-Dichloropropene	7.07	75	34141	4.690	ug/l #	46
38) Carbon Tetrachloride	7.07	117	45374	5.659	ug/l #	14
76) 1,2,3-Trichloropropane	13.57	75	92342	24.844	ug/l #	44
81) trans-1,4-Dichloro-2-buten	13.57	75	96302	87.883	ug/l #	17

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

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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: 7.07 min Scan# 574

Delta R.T. 0.03 min

Lab File: VD061093.D

Acq: 15 Mar 2019 18:10

Instrument :

MSVOA_D

ClientSampleId :

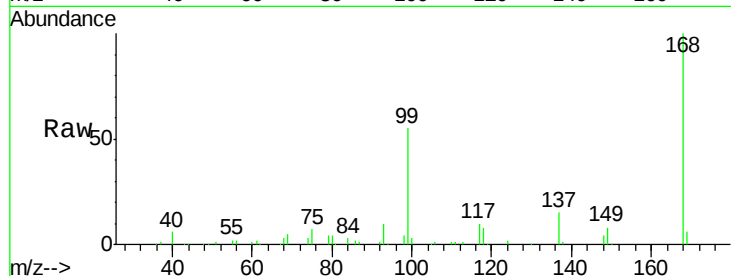
MH-02

Tot Ion:168 Resp: 467940

Ion Ratio Lower Upper

168 100

99 55.2 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.07

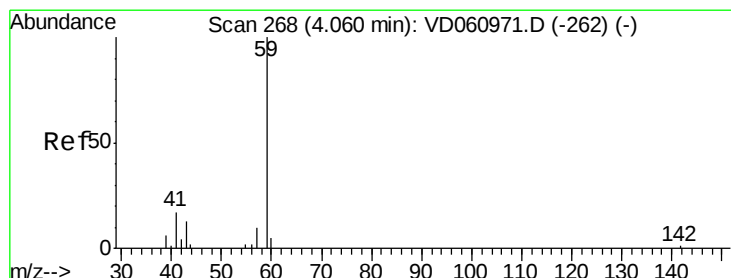
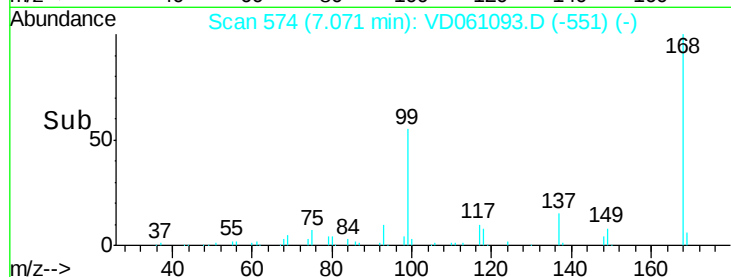
150000

100000

50000

0

Time--> 6.90 7.00 7.10 7.20



#11

Tert butyl alcohol

Concen: 1.698 ug/l

RT: 4.00 min Scan# 262

Delta R.T. -0.06 min

Lab File: VD061093.D

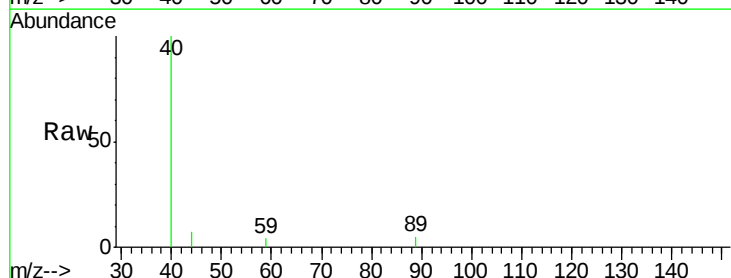
Acq: 15 Mar 2019 18:10

Tgt Ion: 59 Resp: 421

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

4.00

400

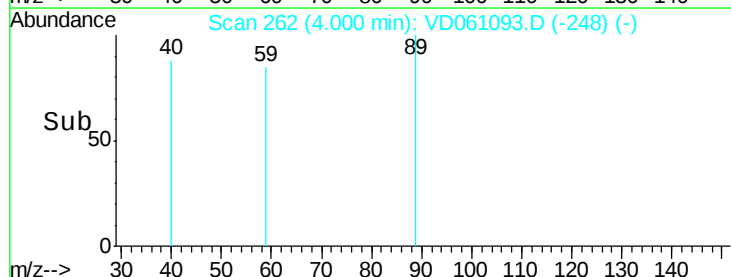
300

200

100

0

Time--> 4.00 4.05

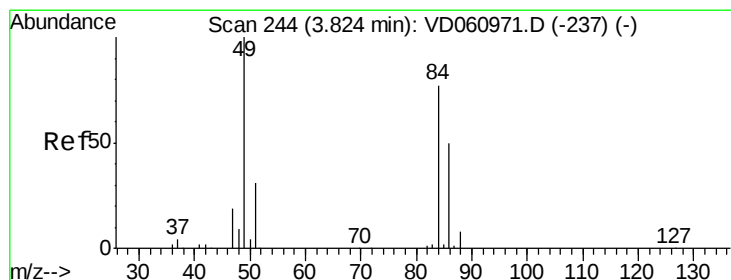
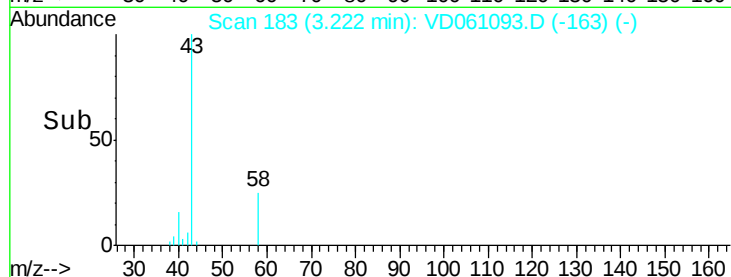
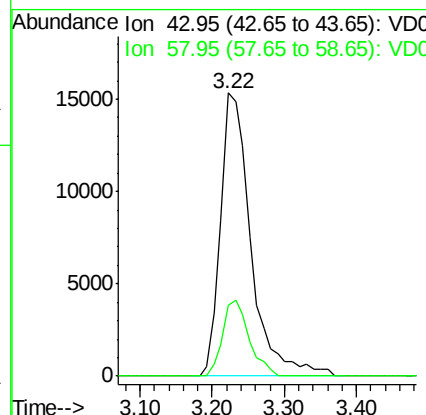
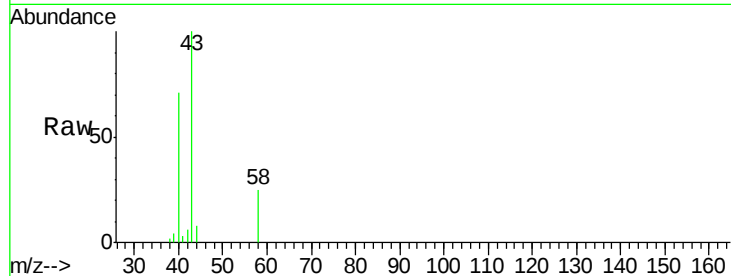




#16
Acetone
Concen: 40.056 ug/l
RT: 3.22 min Scan# 183
Delta R.T. -0.00 min
Lab File: VD061093.D
Acq: 15 Mar 2019 18:10

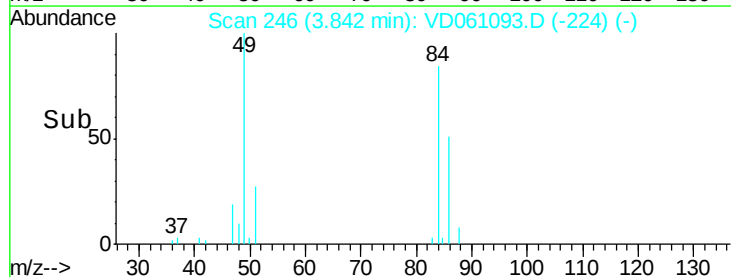
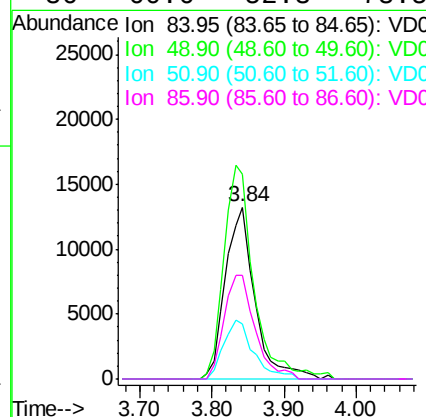
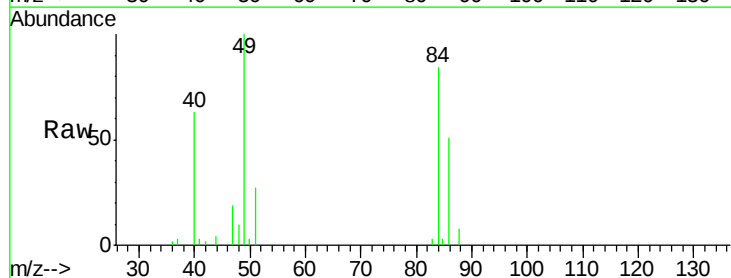
Instrument :
MSVOA_D
ClientSampleId :
MH-02

Tot Ion: 43 Resp: 44615
Ion Ratio Lower Upper
43 100
58 25.1 21.6 32.4



#20
Methylene Chloride
Concen: 3.020 ug/l
RT: 3.84 min Scan# 246
Delta R.T. 0.02 min
Lab File: VD061093.D
Acq: 15 Mar 2019 18:10

Tgt Ion: 84 Resp: 37590
Ion Ratio Lower Upper
84 100
49 119.0 104.2 156.2
51 31.7 32.3 48.5#
86 60.6 52.3 78.5





#25

2-Butanone

Concen: 2.203 ug/l

RT: 6.10 min Scan# 475

Delta R.T. 0.03 min

Lab File: VD061093.D

Acq: 15 Mar 2019 18:10

Instrument :

MSVOA_D

ClientSampled :

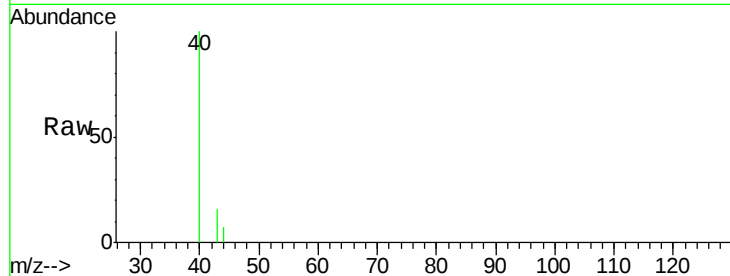
MH-02

Tot Ion: 43 Resp: 2784

Ion Ratio Lower Upper

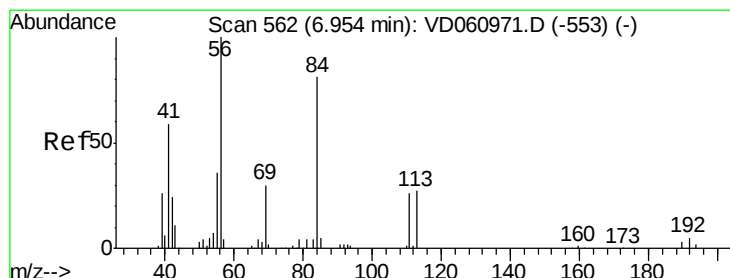
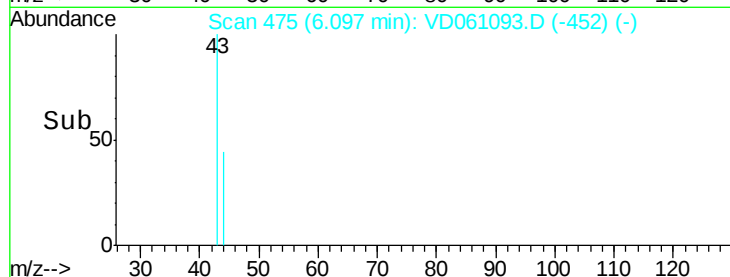
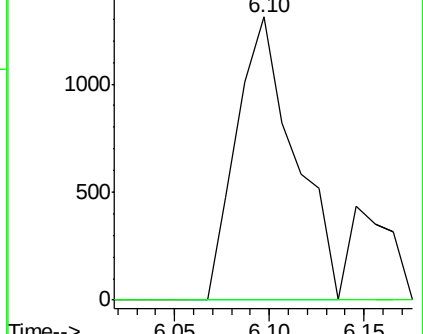
43 100

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: 1.081 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.11 min

Lab File: VD061093.D

Acq: 15 Mar 2019 18:10

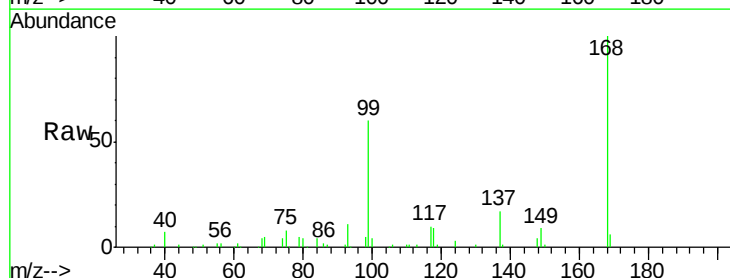
Tgt Ion: 56 Resp: 7454

Ion Ratio Lower Upper

56 100

69 290.0 24.0 36.0#

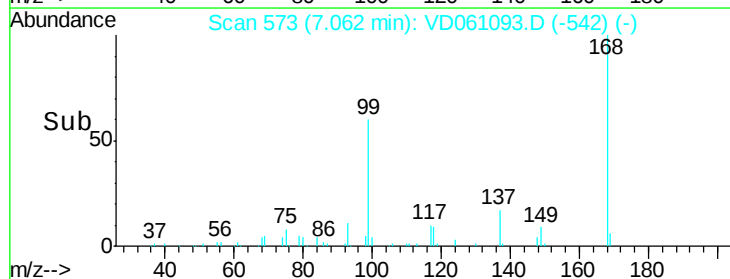
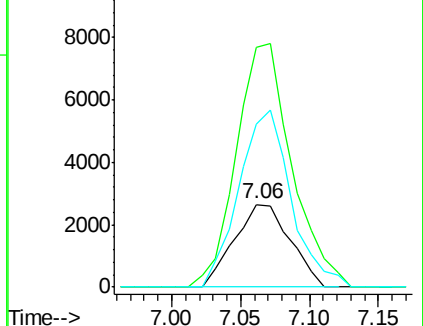
84 197.0 65.8 98.6#

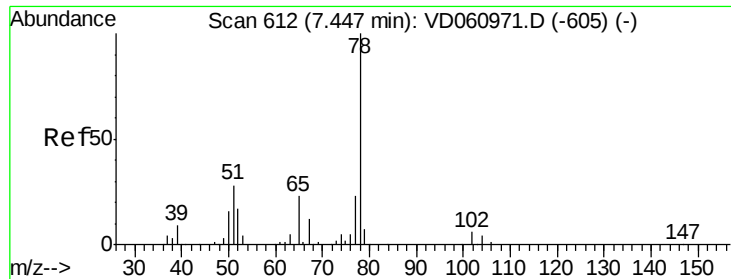


Abundance Ion 55.95 (55.65 to 56.65): VDC

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: 7.48 min Scan# 615

Delta R.T. 0.03 min

Lab File: VD061093.D

Acq: 15 Mar 2019 18:10

Instrument :

MSVOA_D

ClientSampleId :

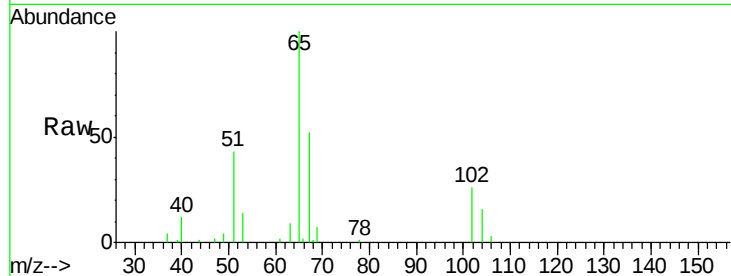
MH-02

Tot Ion: 65 Resp: 214053

Ion Ratio Lower Upper

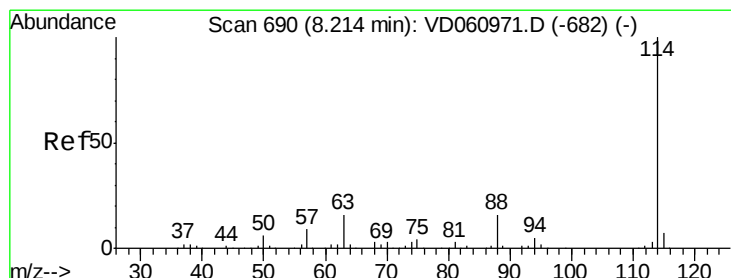
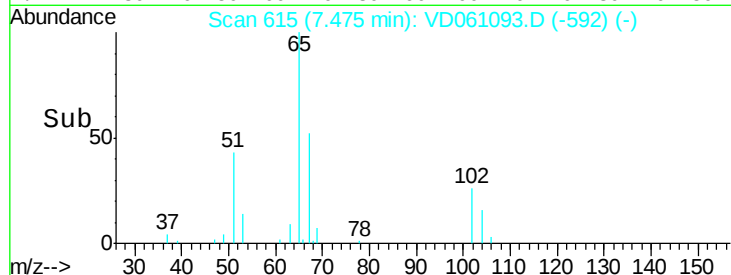
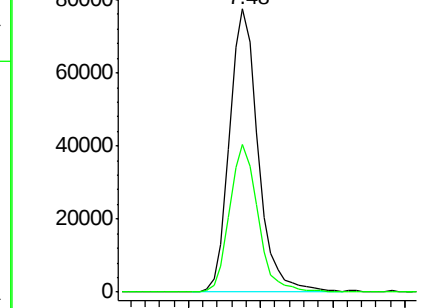
65 100

67 52.3 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: 8.24 min Scan# 693

Delta R.T. 0.03 min

Lab File: VD061093.D

Acq: 15 Mar 2019 18:10

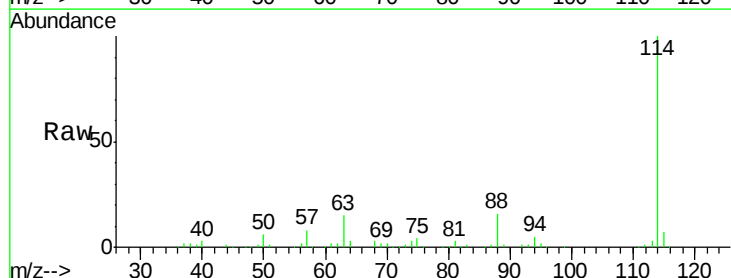
Tgt Ion: 114 Resp: 844442

Ion Ratio Lower Upper

114 100

63 15.4 0.0 31.4

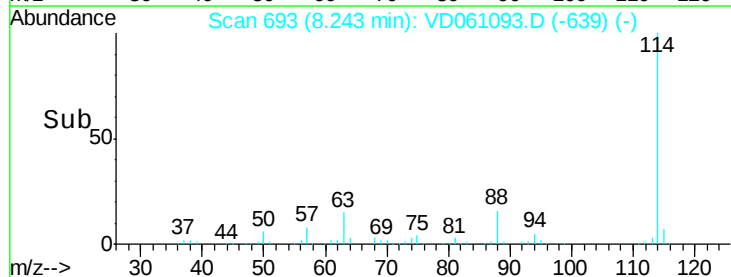
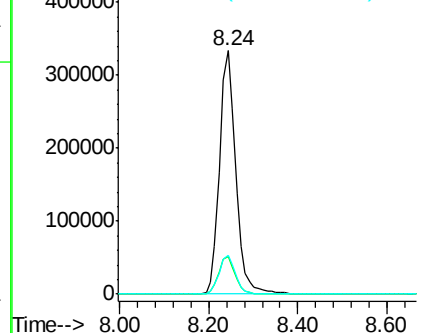
88 16.1 0.0 33.0

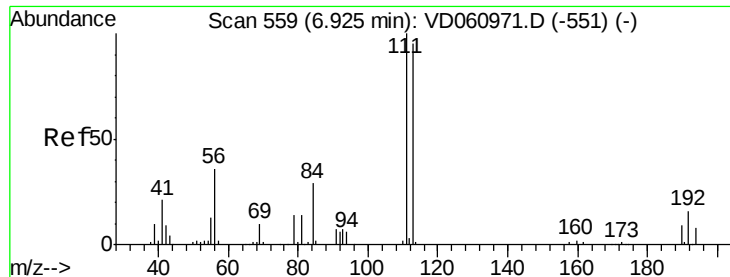


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.94 min Scan# 561

Delta R.T. 0.02 min

Lab File: VD061093.D

Acq: 15 Mar 2019 18:10

Instrument :

MSVOA_D

ClientSampled :

MH-02

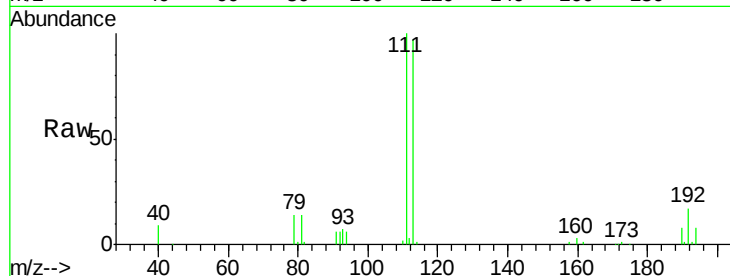
Tot Ion:113 Resp: 307660

Ion Ratio Lower Upper

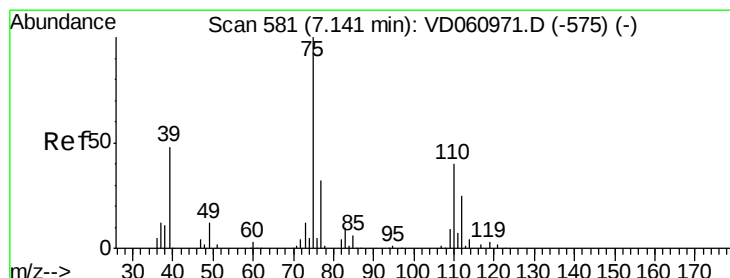
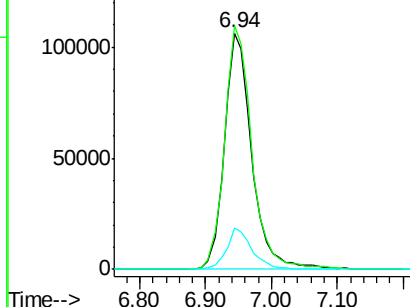
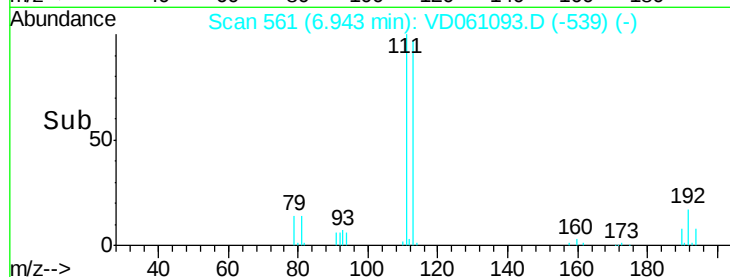
113 100

111 103.2 84.2 126.4

192 17.4 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: 4.690 ug/l

RT: 7.07 min Scan# 574

Delta R.T. -0.07 min

Lab File: VD061093.D

Acq: 15 Mar 2019 18:10

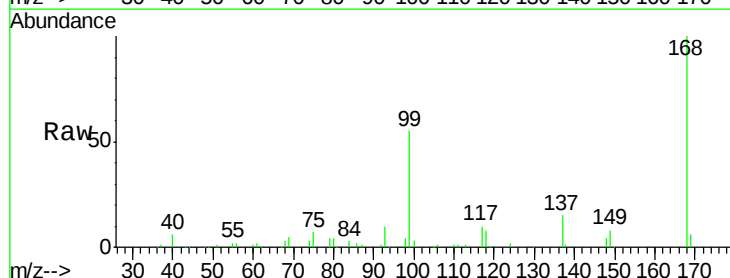
Tgt Ion: 75 Resp: 34141

Ion Ratio Lower Upper

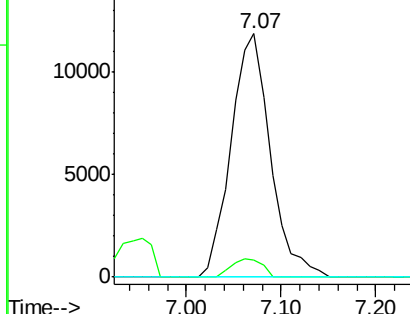
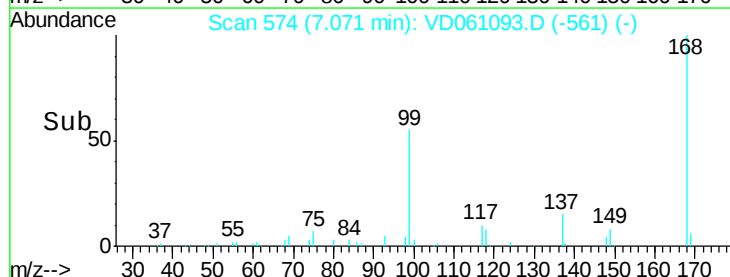
75 100

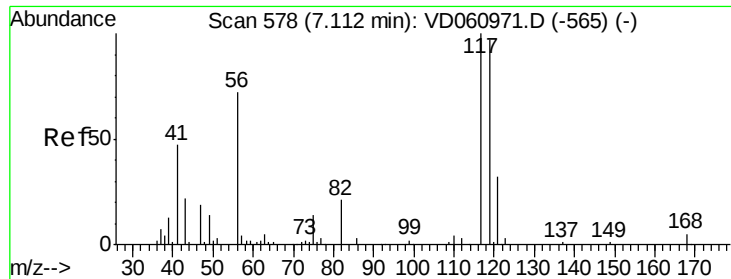
110 7.2 19.7 59.1#

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

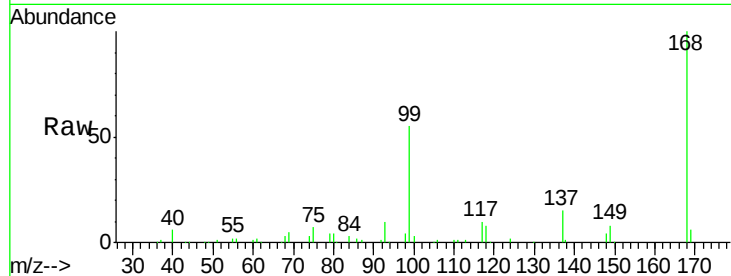




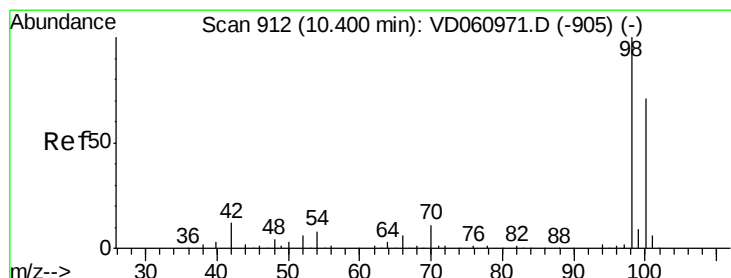
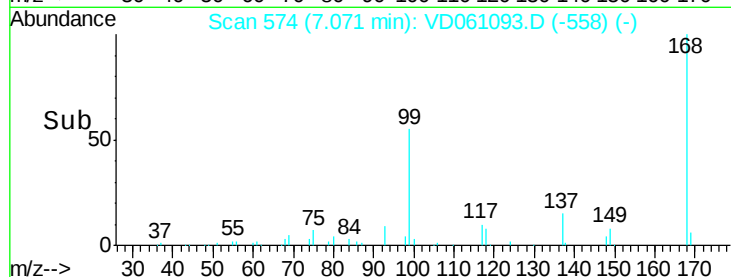
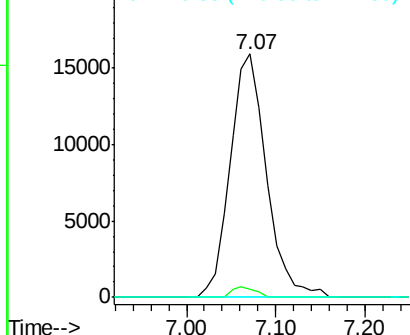
#38
Carbon Tetrachloride
Concen: 5.659 ug/l
RT: 7.07 min Scan# 574
Delta R.T. -0.04 min
Lab File: VD061093.D
Acq: 15 Mar 2019 18:10

Instrument :
MSVOA_D
ClientSampleId :
MH-02

Tot Ion:117 Resp: 45374
Ion Ratio Lower Upper
117 100
119 3.3 77.8 116.8#
121 0.0 25.3 37.9#

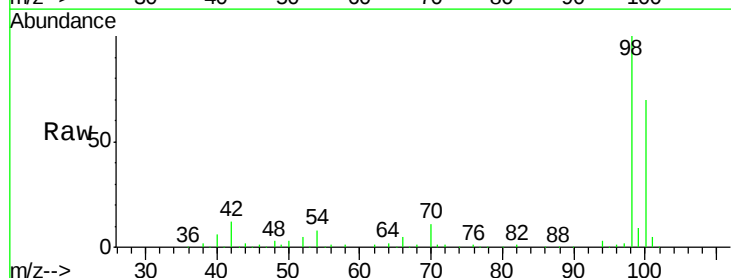


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

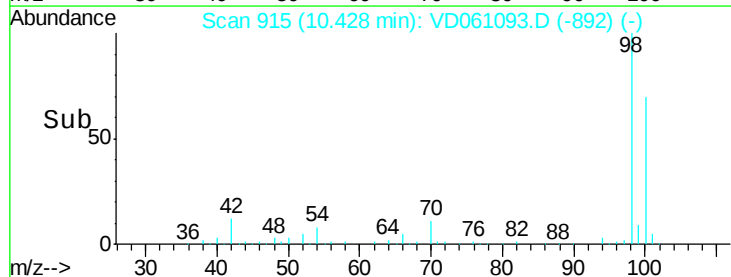
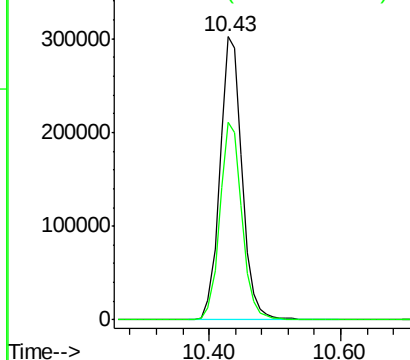


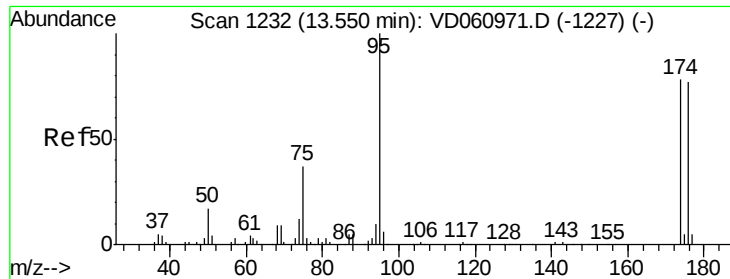
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.43 min Scan# 915
Delta R.T. 0.03 min
Lab File: VD061093.D
Acq: 15 Mar 2019 18:10

Tgt Ion: 98 Resp: 705703
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): VDC





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.02 min

Lab File: VD061093.D

Acq: 15 Mar 2019 18:10

Instrument :

MSVOA_D

ClientSampleId :

MH-02

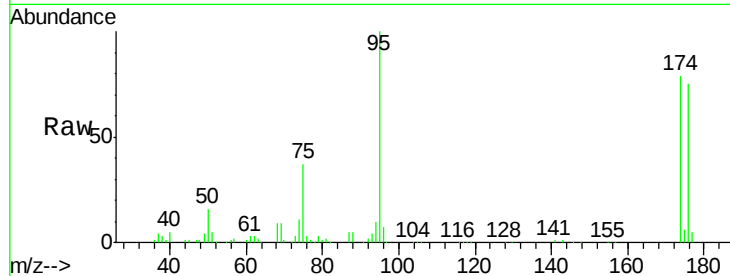
Tot Ion: 95 Resp: 266085

Ion Ratio Lower Upper

95 100

174 79.4 0.0 155.6

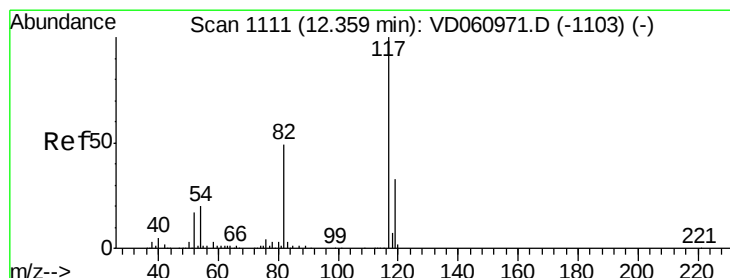
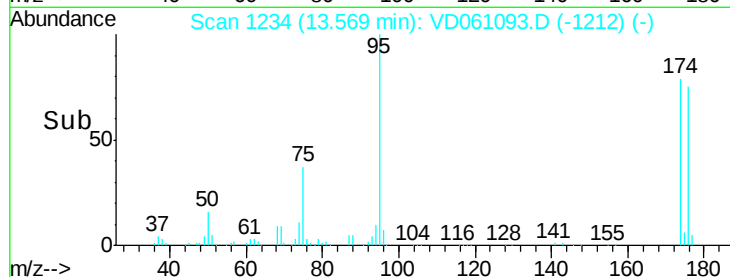
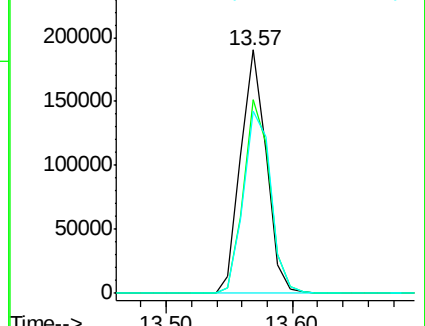
176 75.1 0.0 153.8



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: 12.38 min Scan# 1113

Delta R.T. 0.02 min

Lab File: VD061093.D

Acq: 15 Mar 2019 18:10

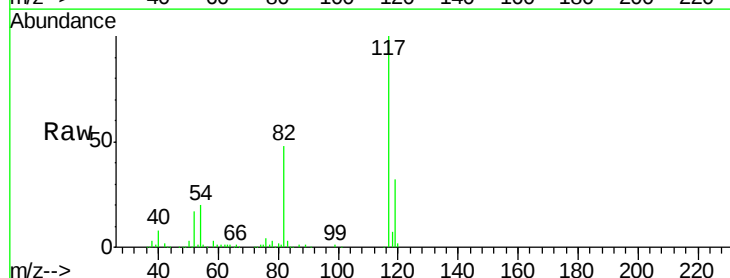
Tgt Ion: 117 Resp: 637285

Ion Ratio Lower Upper

117 100

82 47.8 38.9 58.3

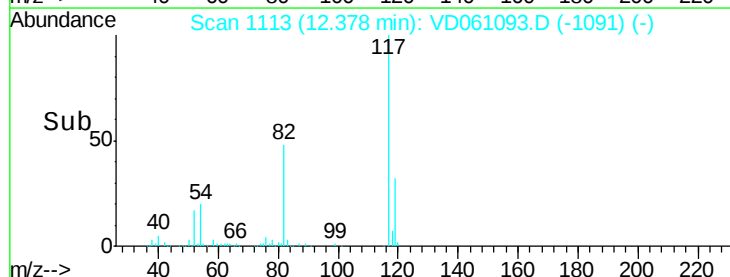
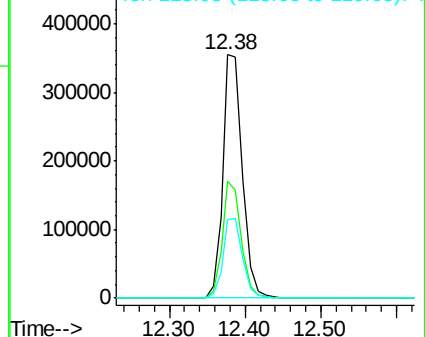
119 32.1 26.6 39.8

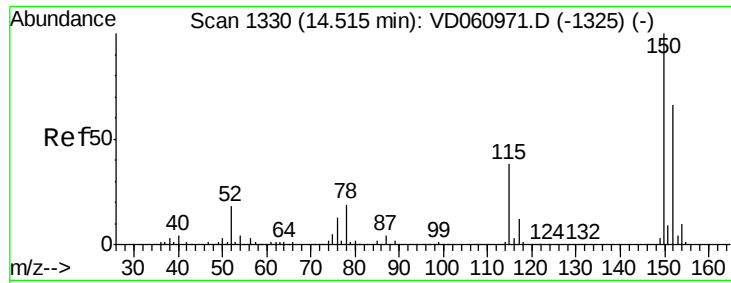


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



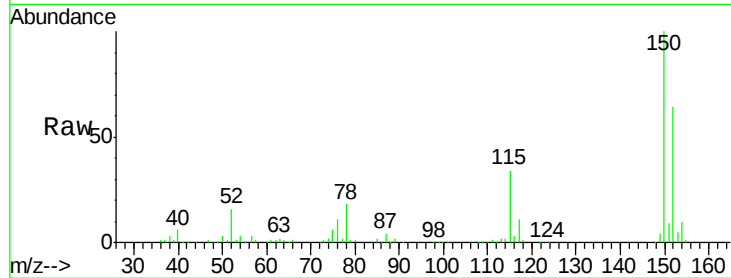


#72

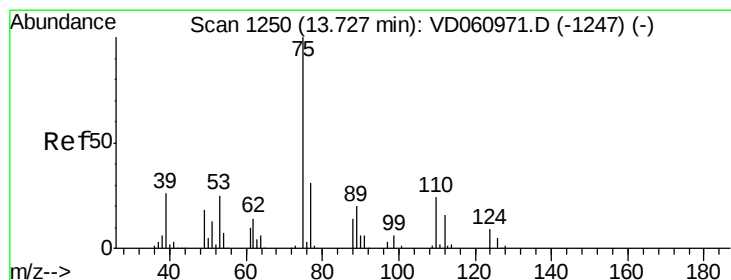
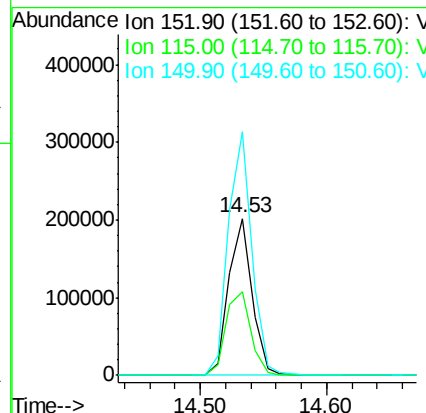
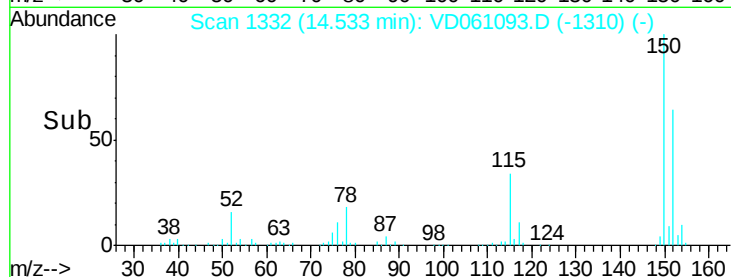
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1332
Delta R.T. 0.02 min
Lab File: VD061093.D
Acq: 15 Mar 2019 18:10

Instrument :
MSVOA_D
ClientSampleId :
MH-02

Tot Ion:152 Resp: 258350
Ion Ratio Lower Upper
152 100
115 53.4 28.6 85.9
150 155.4 0.0 310.6



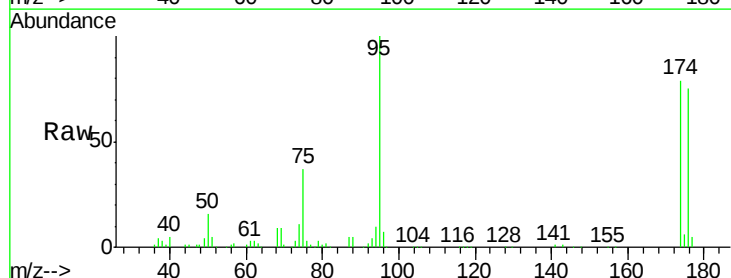
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



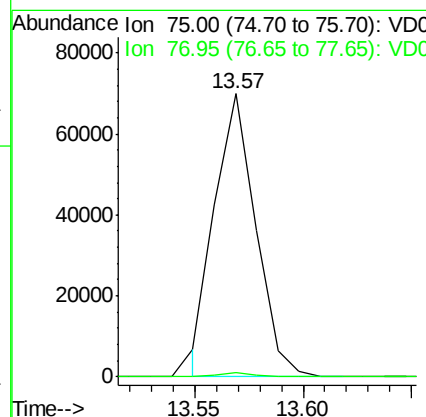
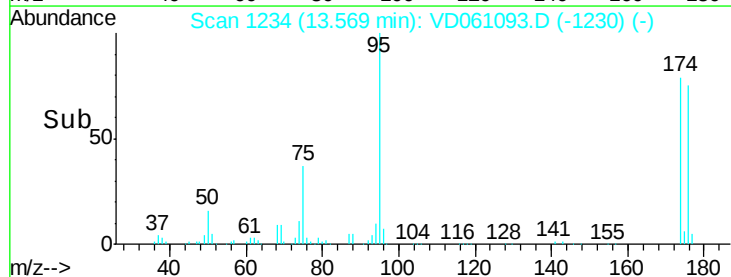
#76

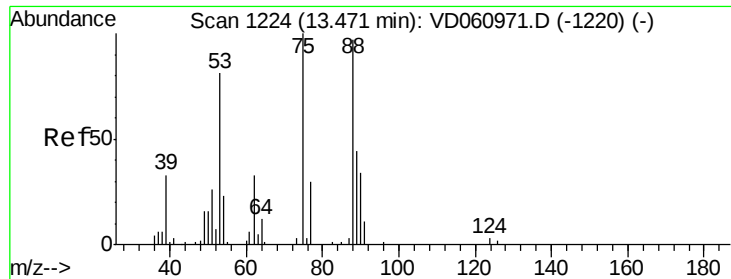
1,2,3-Trichloropropane
Concen: 24.844 ug/l
RT: 13.57 min Scan# 1234
Delta R.T. -0.16 min
Lab File: VD061093.D
Acq: 15 Mar 2019 18:10

Tgt Ion: 75 Resp: 92342
Ion Ratio Lower Upper
75 100
77 1.5 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: 87.883 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.10 min

Lab File: VD061093.D

Acq: 15 Mar 2019 18:10

Instrument :

MSVOA_D

ClientSampleId :

MH-02

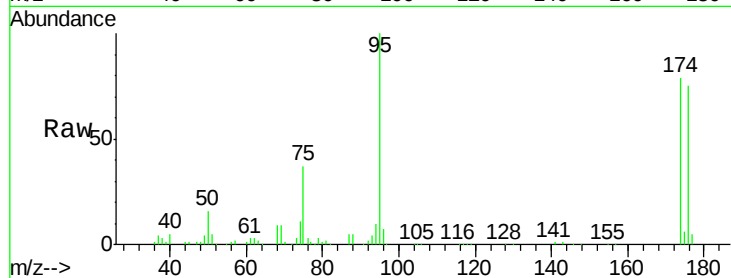
Tot Ion: 75 Resp: 96302

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

