

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041119\
 Data File : VD061769.D
 Acq On : 12 Apr 2019 7:01
 Operator : VA/AP
 Sample : K2345-10
 Misc : 7.02g/5ml/MSVOA D/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 12 07:26:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 10:04:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	429160	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	746880	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	541411	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	208214	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	213622	65.67	ug/l	0.00
Spiked Amount			Recovery	=	131.34%	
35) Dibromofluoromethane	6.91	113	322619	62.35	ug/l	0.00
Spiked Amount			Recovery	=	124.70%	
50) Toluene-d8	10.39	98	732242	56.33	ug/l	0.00
Spiked Amount			Recovery	=	112.66%	
62) 4-Bromofluorobenzene	13.55	95	232054	50.99	ug/l	0.00
Spiked Amount			Recovery	=	101.98%	

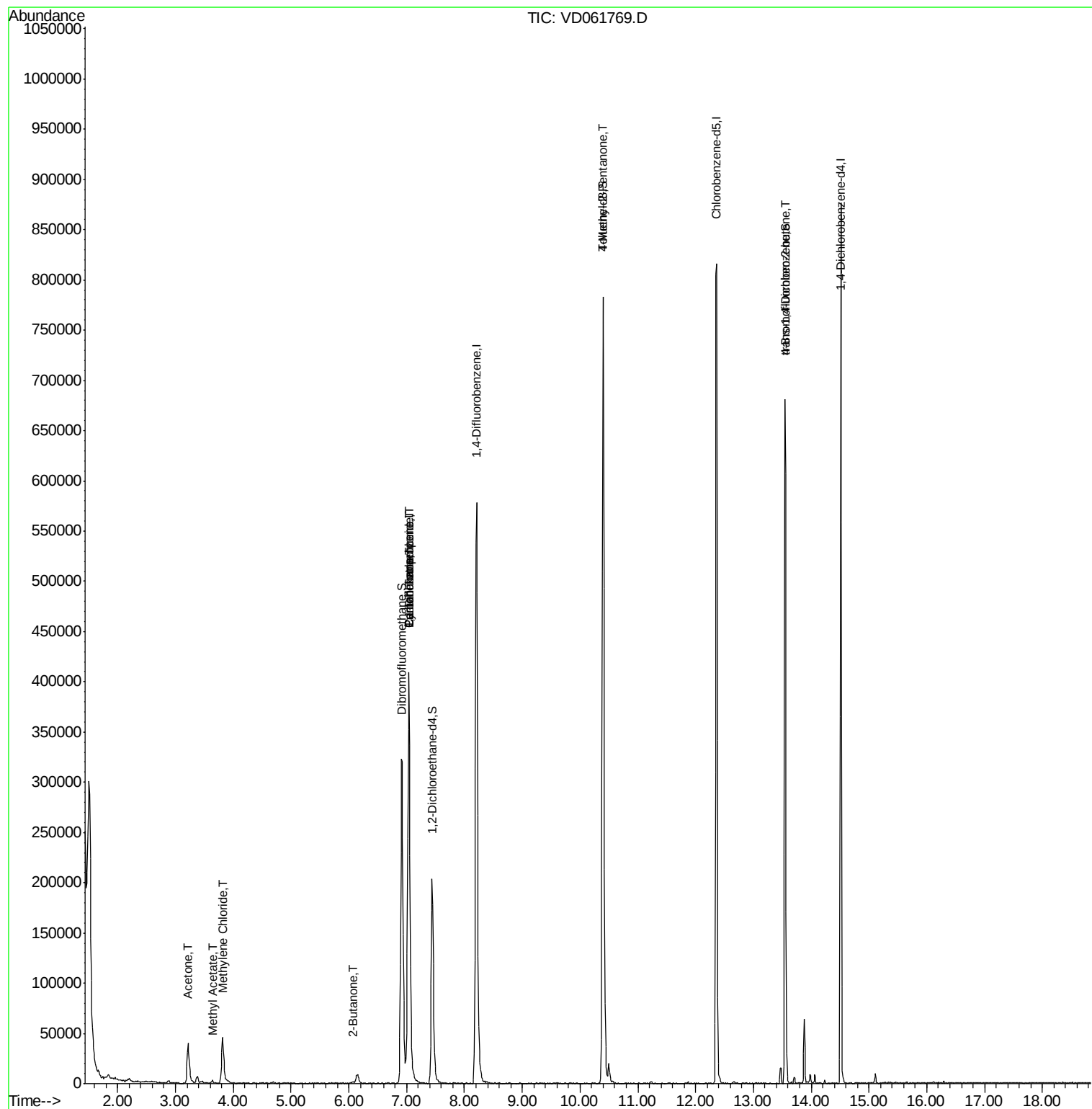
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.22	43	74864	76.986	ug/l	96
18) Methyl Acetate	3.64	43	5623	3.073	ug/l	91
20) Methylene Chloride	3.82	84	36644	6.641	ug/l	95
25) 2-Butanone	6.06	43	4042	3.606	ug/l #	54
31) Cyclohexane	7.04	56	7445	1.216	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	30590	4.680	ug/l #	49
38) Carbon Tetrachloride	7.04	117	42515	5.550	ug/l #	15
51) 4-Methyl-2-Pentanone	10.39	43	3453	1.511	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	84592	98.407	ug/l #	20

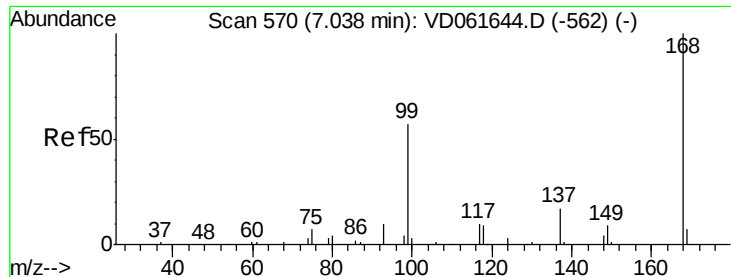
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Apr 08 10:04:03 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.00 min

Lab File: VD061769.D

Acq: 12 Apr 2019 7:01

Instrument :

MSVOA_D

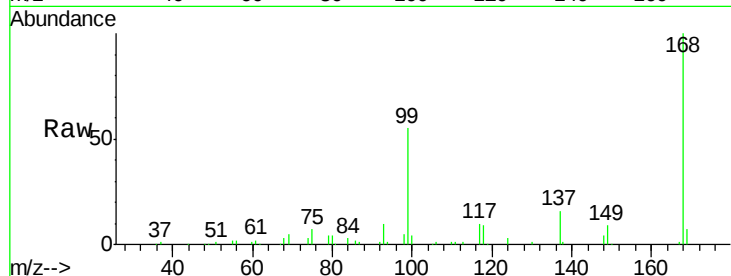
ClientSampleId :

Tot Ion:168 Resp: 429160

Ion Ratio Lower Upper

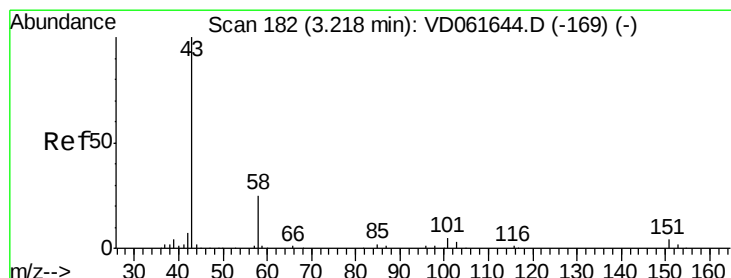
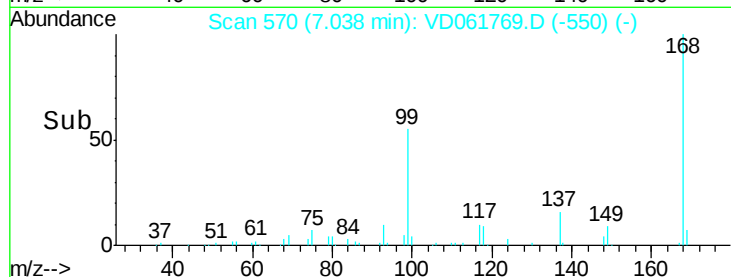
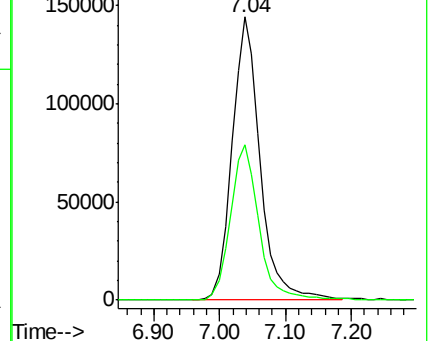
168 100

99 55.0 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 76.986 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.00 min

Lab File: VD061769.D

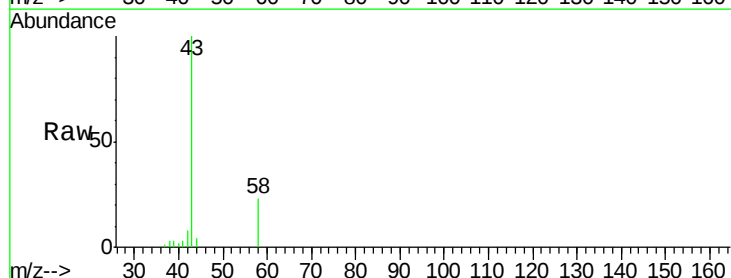
Acq: 12 Apr 2019 7:01

Tgt Ion: 43 Resp: 74864

Ion Ratio Lower Upper

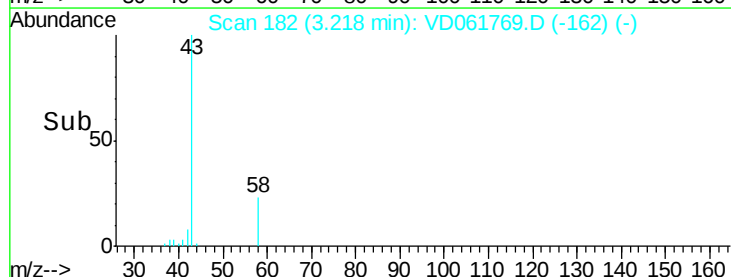
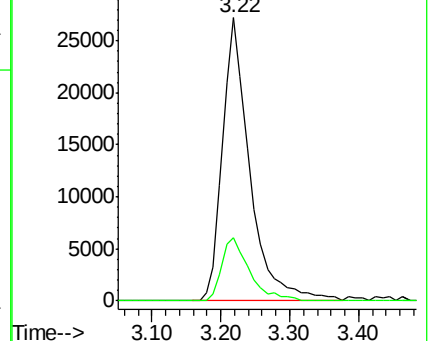
43 100

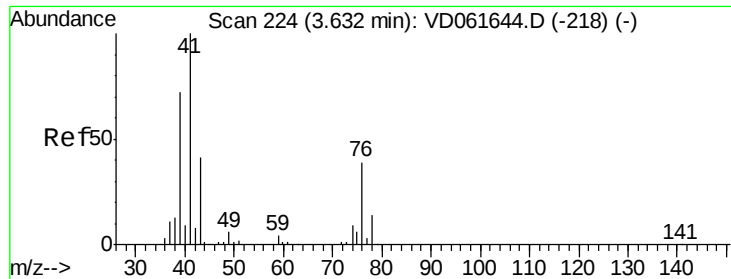
58 22.5 19.7 29.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

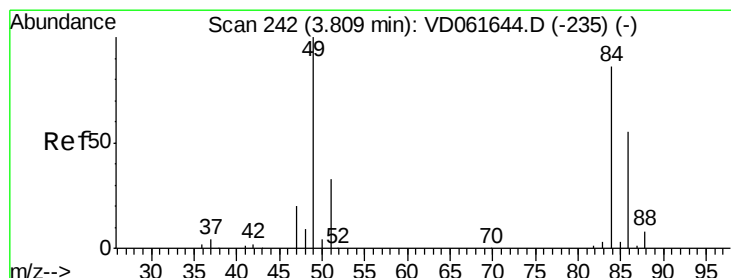
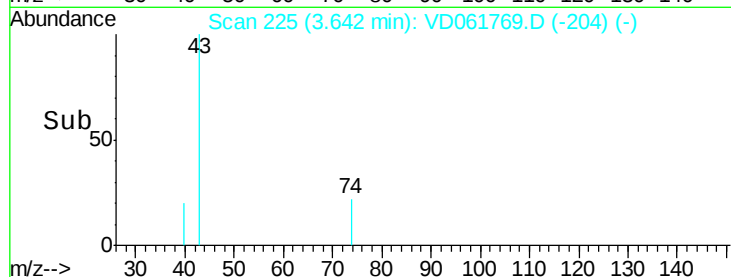
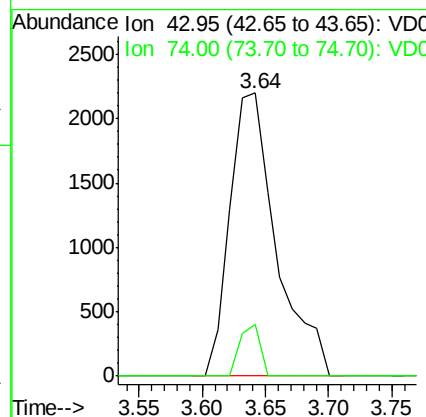
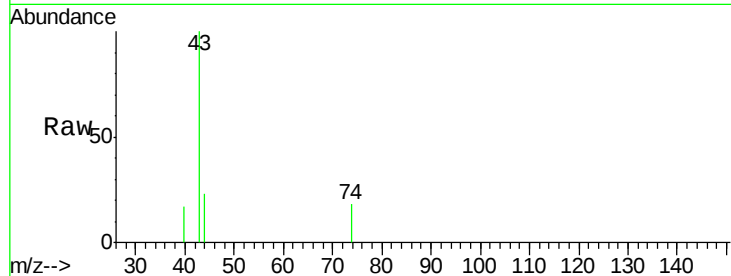




#18
Methyl Acetate
Concen: 3.073 ug/l
RT: 3.64 min Scan# 225
Delta R.T. 0.01 min
Lab File: VD061769.D
Acq: 12 Apr 2019 7:01

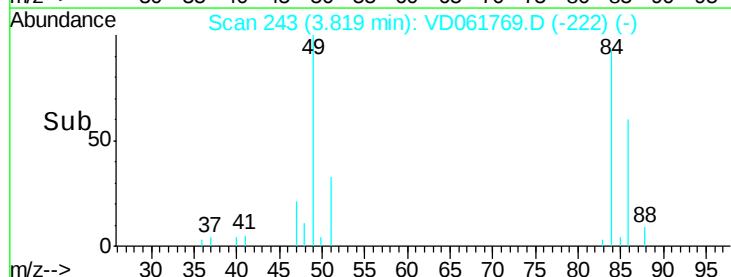
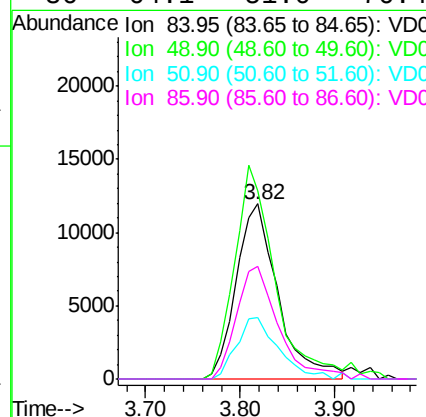
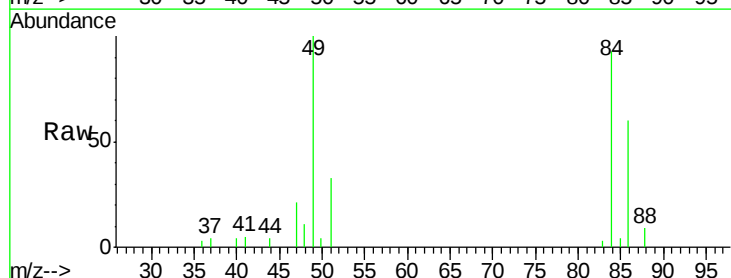
Instrument :
MSVOA_D
ClientSampleId :

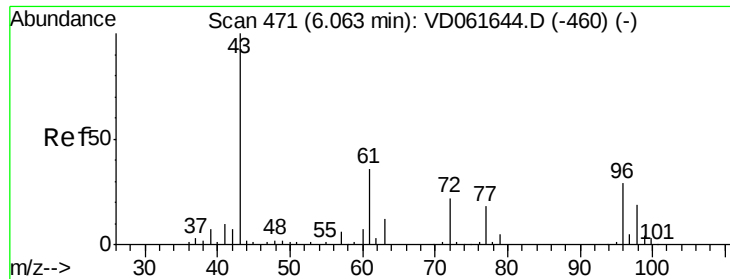
Tot Ion: 43 Resp: 5623
Ion Ratio Lower Upper
43 100
74 18.5 18.2 27.2



#20
Methylene Chloride
Concen: 6.641 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.01 min
Lab File: VD061769.D
Acq: 12 Apr 2019 7:01

Tgt Ion: 84 Resp: 36644
Ion Ratio Lower Upper
84 100
49 107.0 93.0 139.4
51 35.1 30.4 45.6
86 64.1 51.0 76.4





#25

2-Butanone

Concen: 3.606 ug/l

RT: 6.06 min Scan# 471

Delta R.T. 0.00 min

Lab File: VD061769.D

Acq: 12 Apr 2019 7:01

Instrument :

MSVOA_D

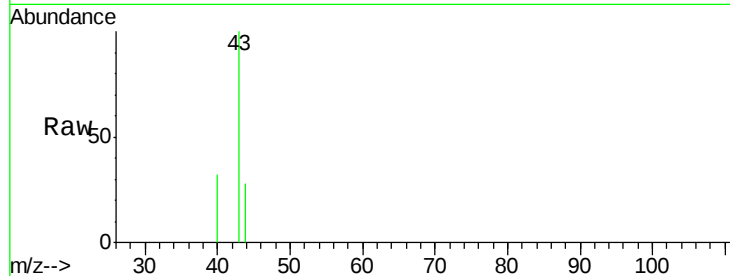
ClientSampleId :

Tot Ion: 43 Resp: 4042

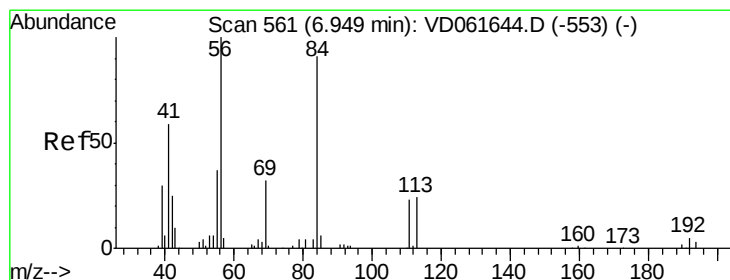
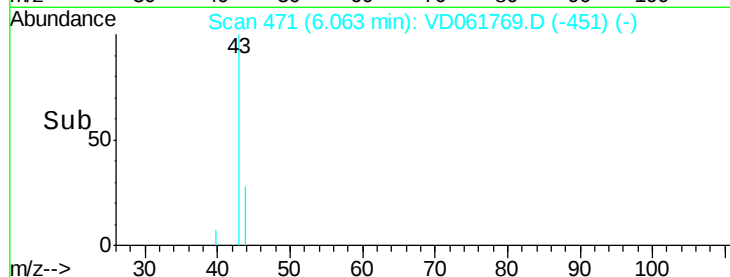
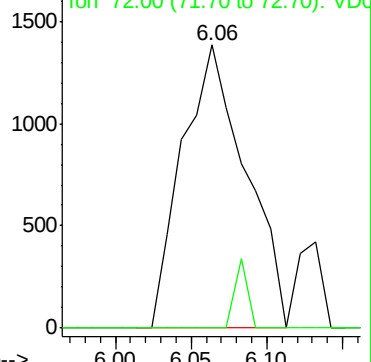
Ion Ratio Lower Upper

43 100

72 0.0 17.4 26.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC



#31

Cyclohexane

Concen: 1.216 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.09 min

Lab File: VD061769.D

Acq: 12 Apr 2019 7:01

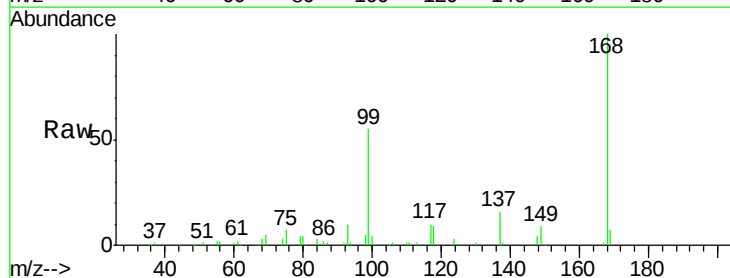
Tgt Ion: 56 Resp: 7445

Ion Ratio Lower Upper

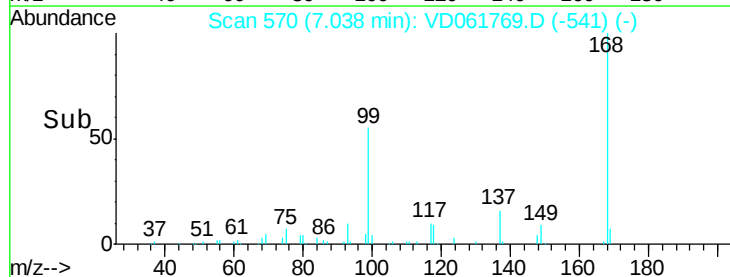
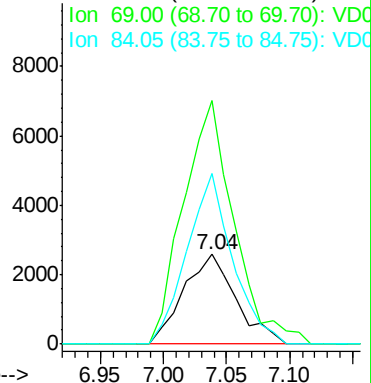
56 100

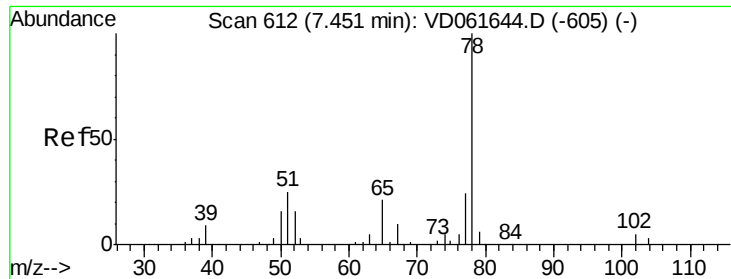
69 272.0 25.8 38.6#

84 190.3 74.2 111.2#



Abundance Ion 55.95 (55.65 to 56.65): VDC





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.01 min

Lab File: VD061769.D

Acq: 12 Apr 2019 7:01

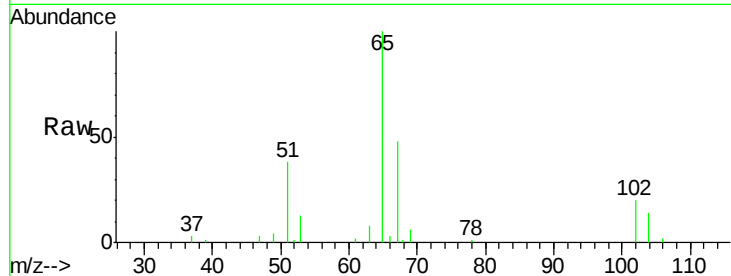
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 65 Resp: 213622

Ion Ratio Lower Upper

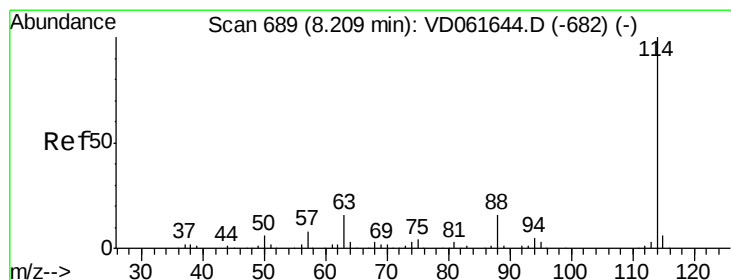
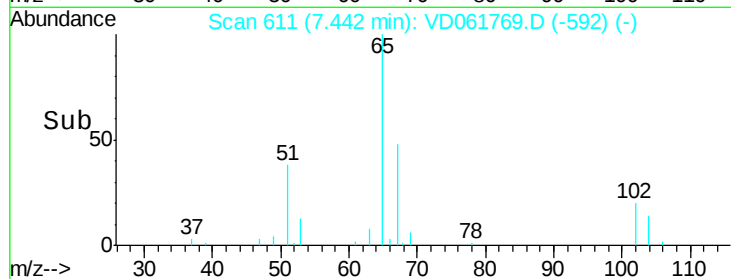
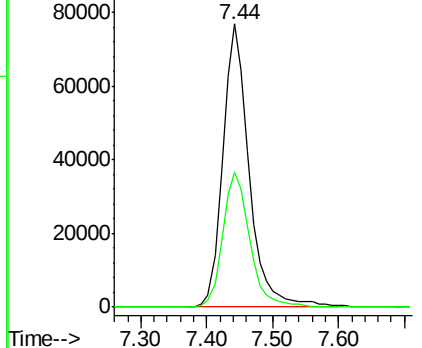
65 100

67 47.8 0.0 99.4



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: 8.21 min Scan# 689

Delta R.T. 0.00 min

Lab File: VD061769.D

Acq: 12 Apr 2019 7:01

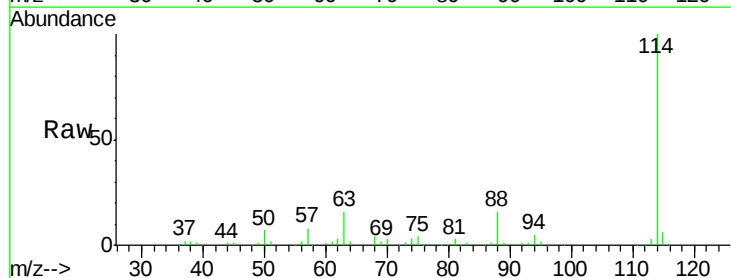
Tgt Ion:114 Resp: 746880

Ion Ratio Lower Upper

114 100

63 16.1 0.0 31.2

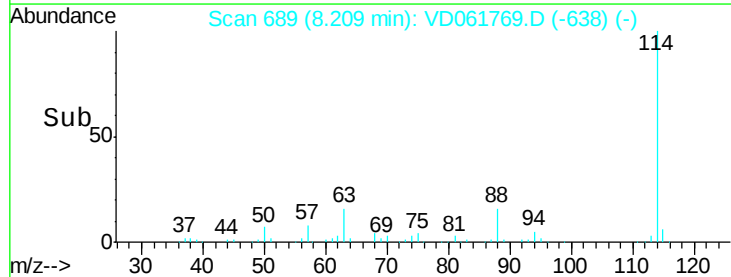
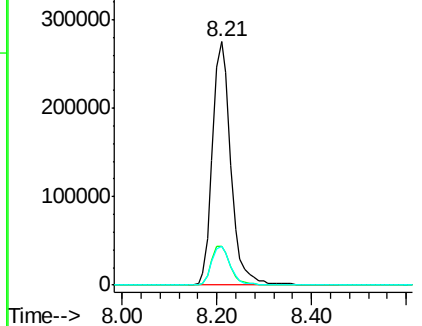
88 16.0 0.0 31.8

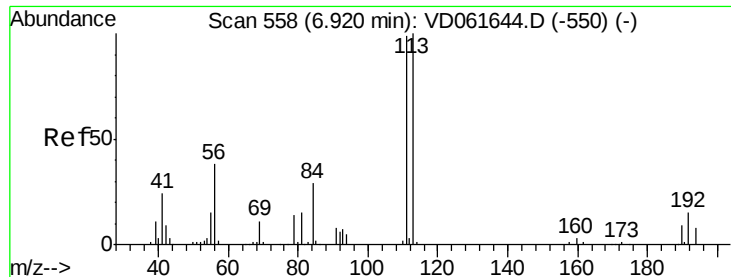


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

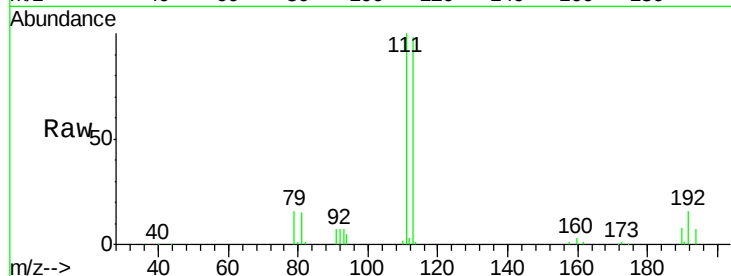




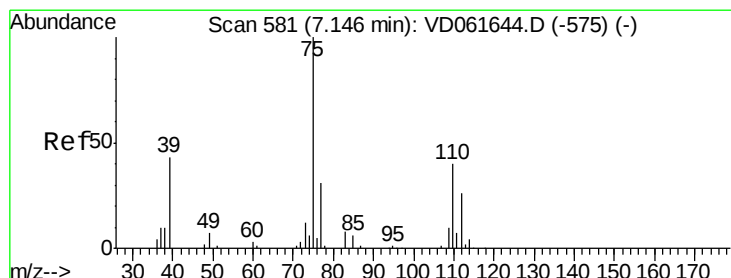
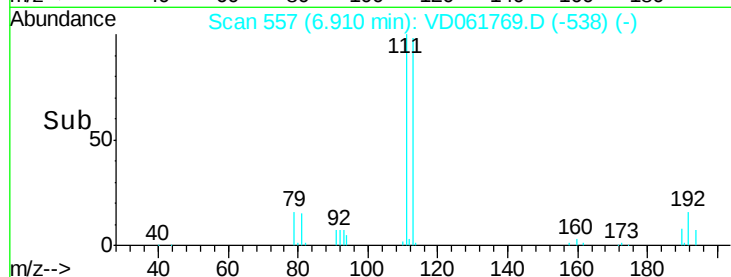
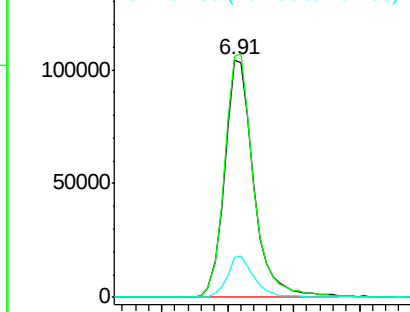
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.91 min Scan# 557
 Delta R.T. -0.01 min
 Lab File: VD061769.D
 Acq: 12 Apr 2019 7:01

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:113 Resp: 322619
 Ion Ratio Lower Upper
 113 100
 111 101.6 79.3 118.9
 192 16.7 12.3 18.5

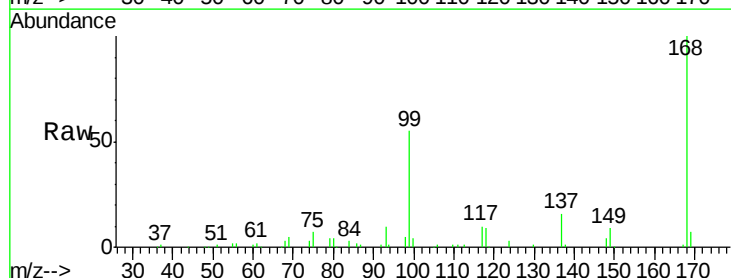


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

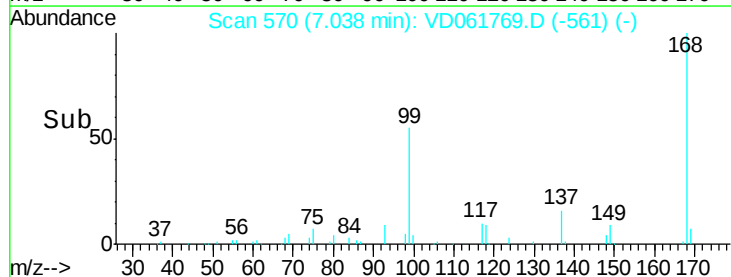
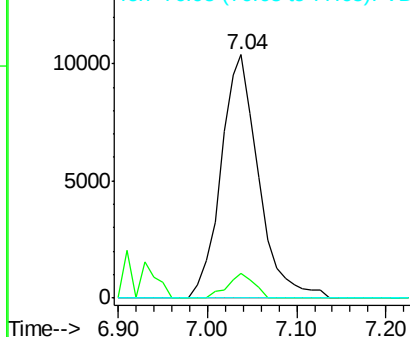


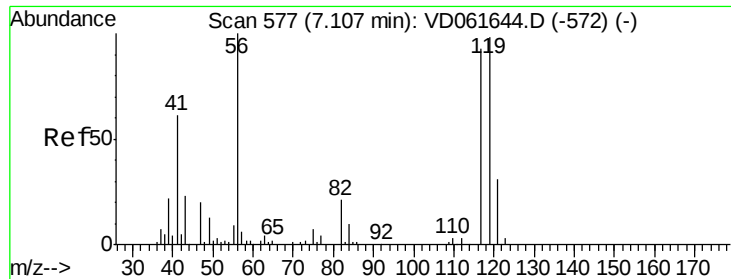
#36
 1,1-Dichloropropene
 Concen: 4.680 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.11 min
 Lab File: VD061769.D
 Acq: 12 Apr 2019 7:01

Tgt Ion: 75 Resp: 30590
 Ion Ratio Lower Upper
 75 100
 110 10.3 19.7 59.0#
 77 0.0 24.8 37.2#



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

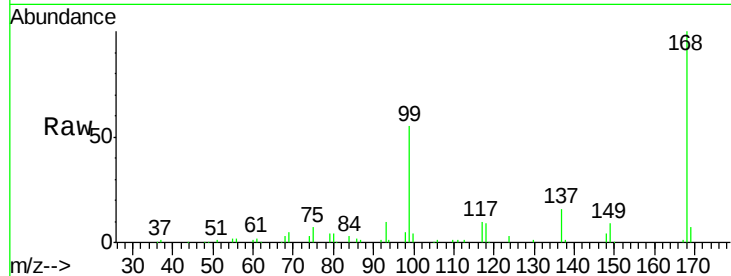




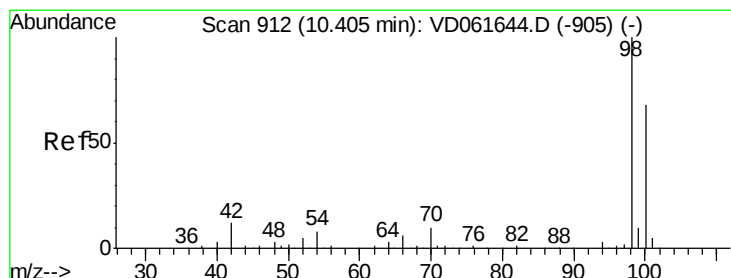
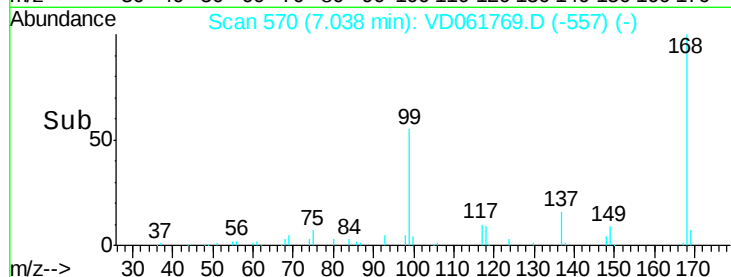
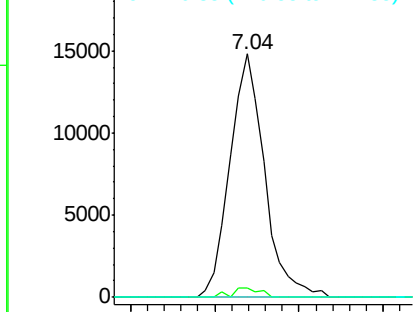
#38
Carbon Tetrachloride
Concen: 5.550 ug/l
RT: 7.04 min Scan# 570
Delta R.T. -0.07 min
Lab File: VD061769.D
Acq: 12 Apr 2019 7:01

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 42515
Ion Ratio Lower Upper
117 100
119 4.1 77.9 116.9#
121 0.0 24.7 37.1#

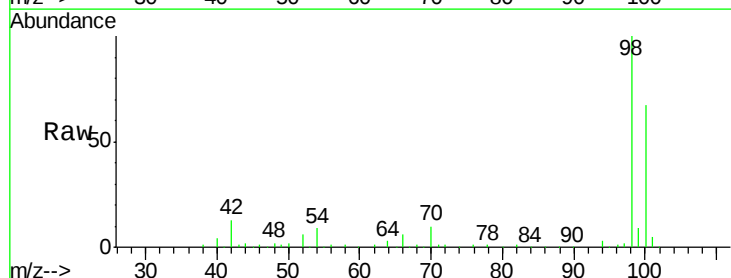


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

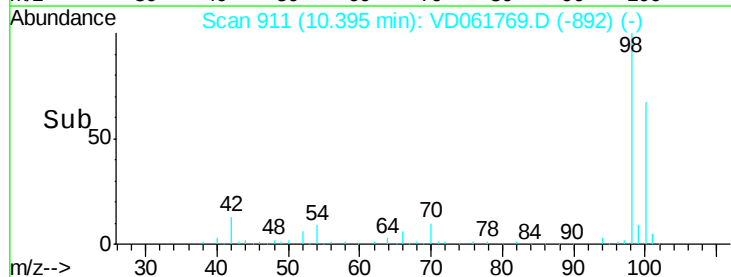
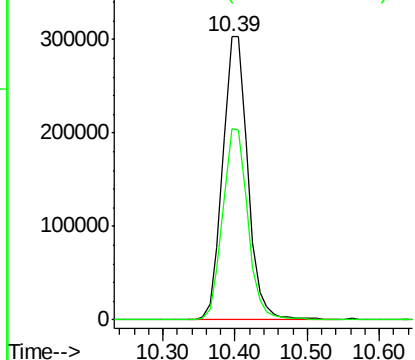


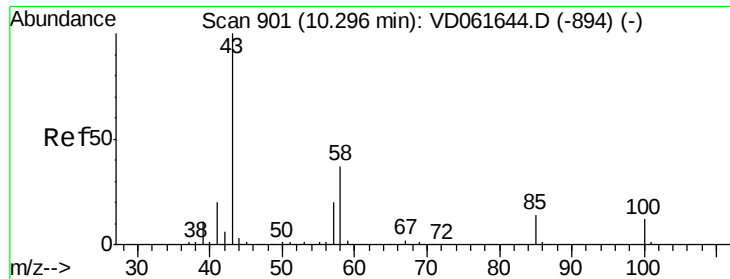
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.39 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD061769.D
Acq: 12 Apr 2019 7:01

Tgt Ion: 98 Resp: 732242
Ion Ratio Lower Upper
98 100
100 67.4 55.4 83.0



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





#51

4-Methyl-2-Pentanone

Concen: 1.511 ug/l

RT: 10.39 min Scan# 911

Delta R.T. 0.10 min

Lab File: VD061769.D

Acq: 12 Apr 2019 7:01

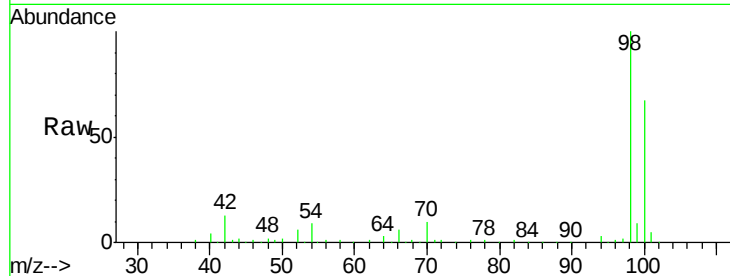
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 3453

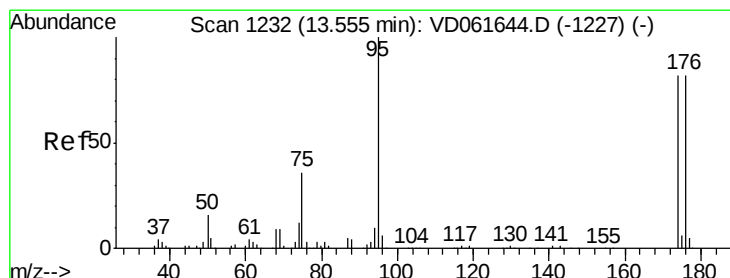
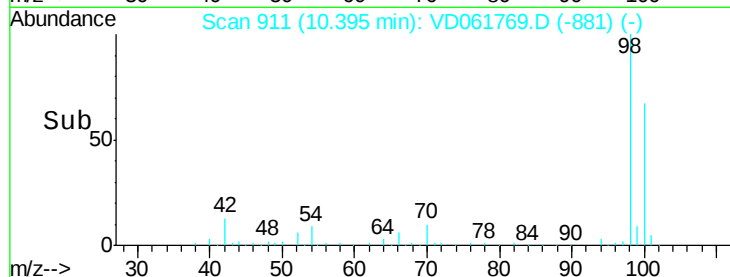
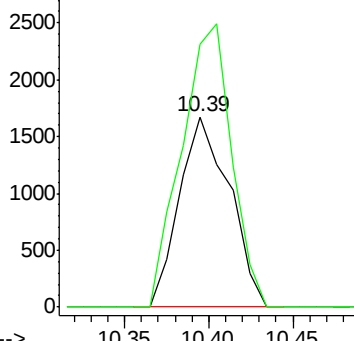
Ion Ratio Lower Upper

43 100

58 138.1 29.8 44.8#



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: 13.55 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD061769.D

Acq: 12 Apr 2019 7:01

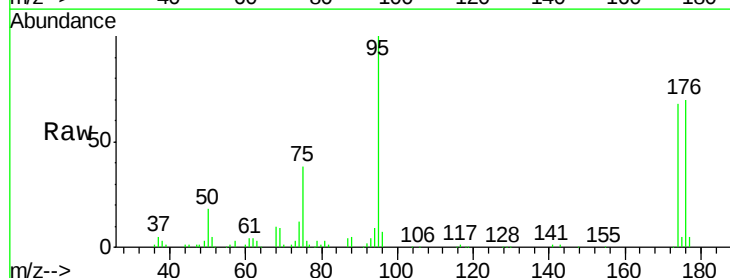
Tgt Ion: 95 Resp: 232054

Ion Ratio Lower Upper

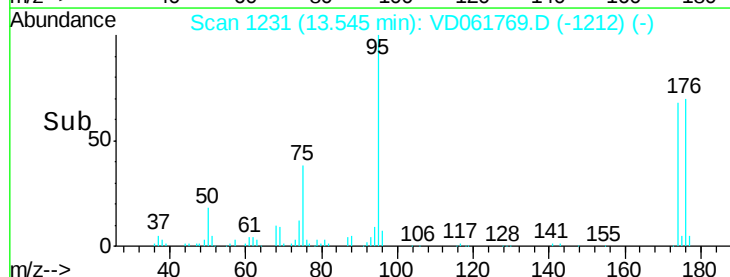
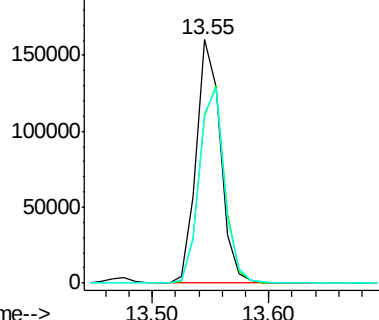
95 100

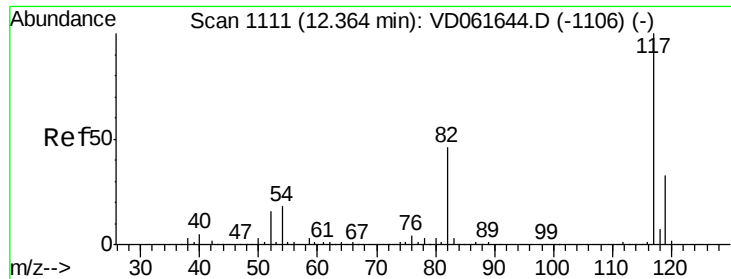
174 68.4 0.0 164.6

176 69.6 0.0 165.0



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

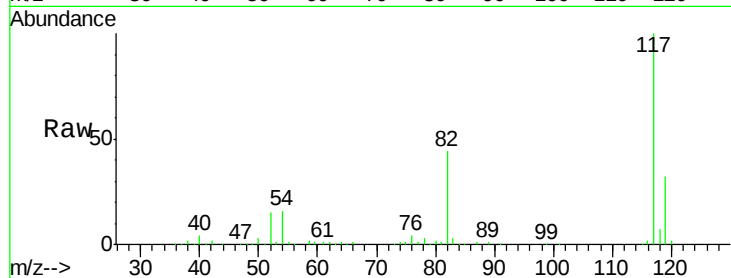




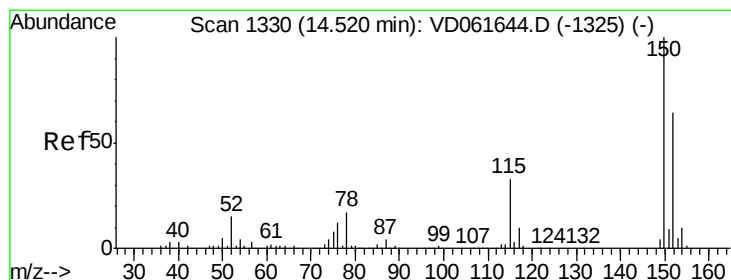
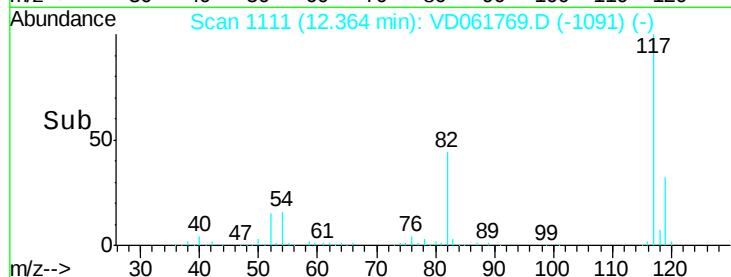
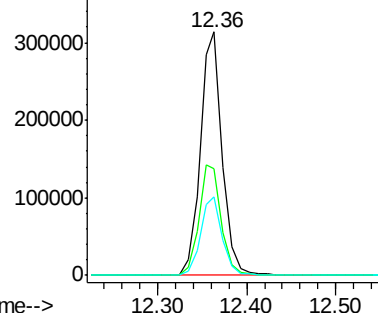
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD061769.D
Acq: 12 Apr 2019 7:01

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 541411
Ion Ratio Lower Upper
117 100
82 43.9 36.8 55.2
119 32.5 26.1 39.1

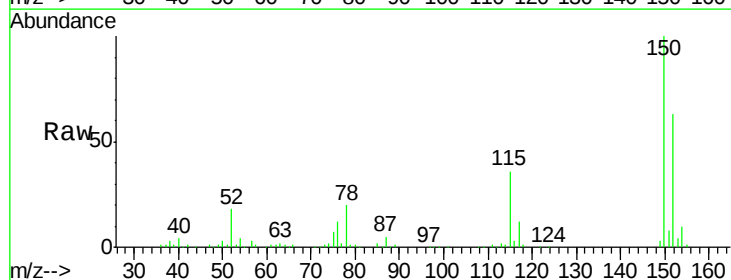


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

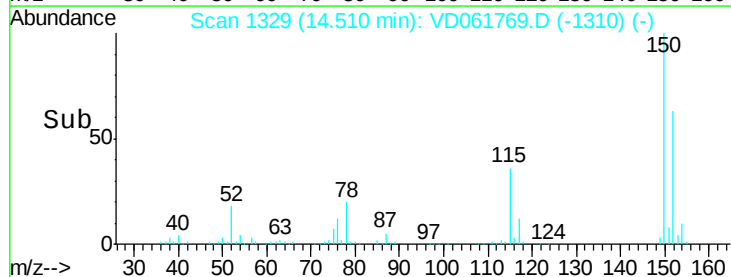
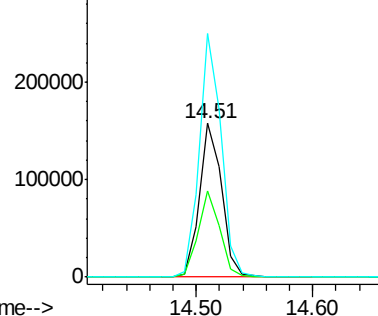


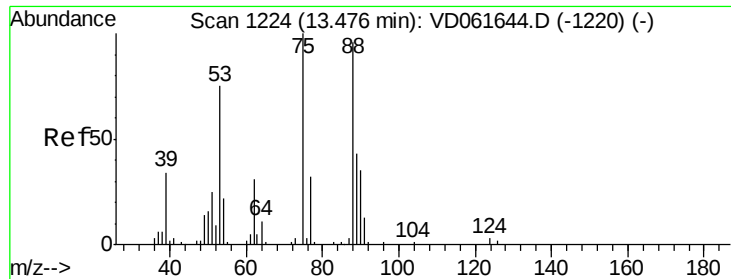
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD061769.D
Acq: 12 Apr 2019 7:01

Tgt Ion:152 Resp: 208214
Ion Ratio Lower Upper
152 100
115 56.4 26.4 79.2
150 158.6 0.0 320.6



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: 98.407 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. 0.07 min

Lab File: VD061769.D

Acq: 12 Apr 2019 7:01

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 84592

Ion Ratio Lower Upper

75 100

53 0.0 60.2 90.2#

89 0.0 34.2 51.2#

