

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040419\
 Data File : VD061588.D
 Acq On : 4 Apr 2019 19:31
 Operator : VA/AP
 Sample : K2258-02
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 05 01:39:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	408683	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.19	114	709819	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	450855	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.50	152	99826	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.43	65	199944	57.27	ug/l	0.00
Spiked Amount						
			Recovery	=	114.54%	
35) Dibromofluoromethane	6.89	113	291313	53.70	ug/l	0.00
Spiked Amount						
			Recovery	=	107.40%	
50) Toluene-d8	10.39	98	434681	33.41	ug/l	0.00
Spiked Amount						
			Recovery	=	66.82%	
62) 4-Bromofluorobenzene	13.54	95	146988	29.46	ug/l	0.00
Spiked Amount						
			Recovery	=	58.92%	

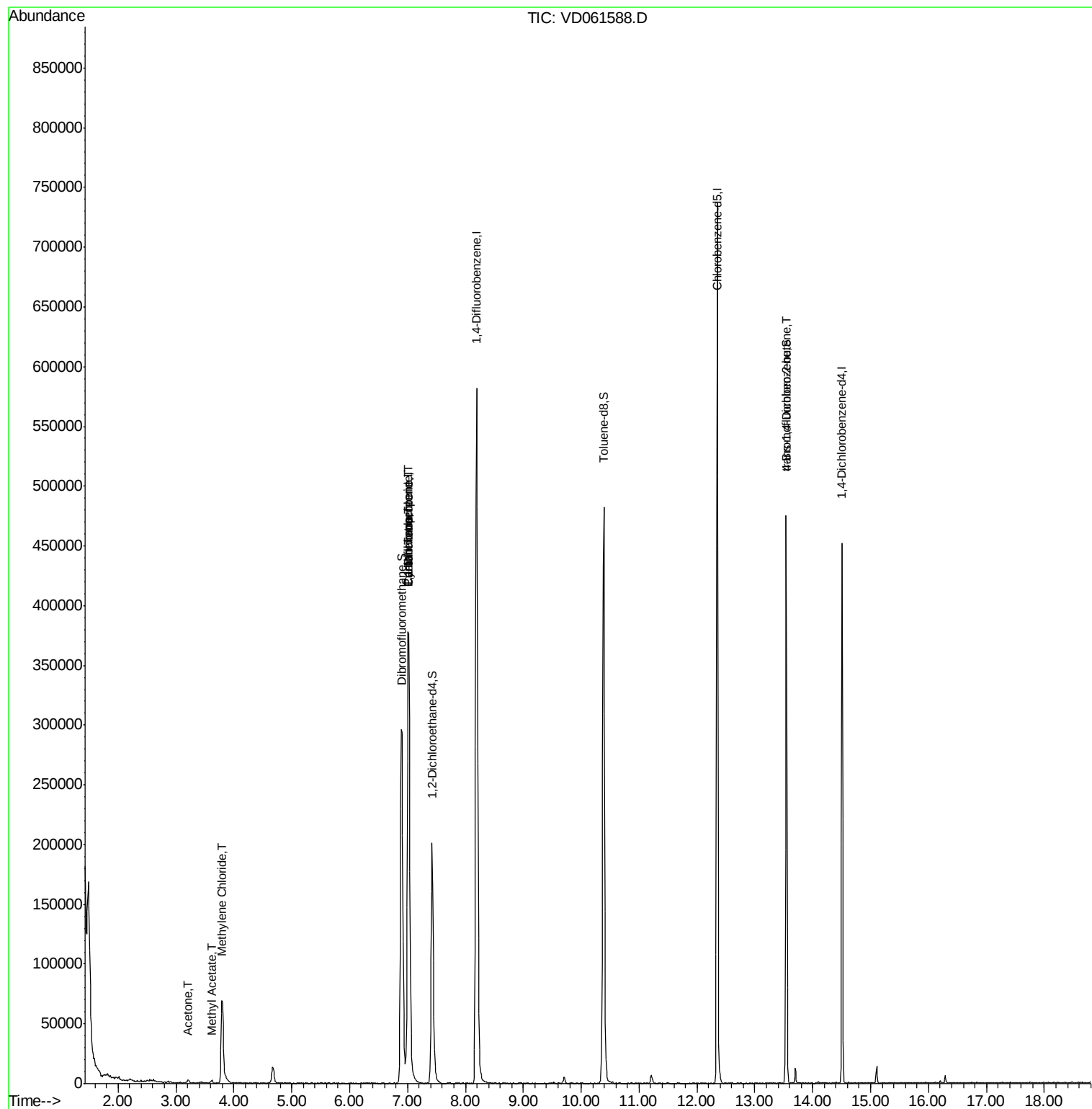
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.21	43	4856	5.411	ug/l	96
18) Methyl Acetate	3.63	43	3741	1.983	ug/l	91
20) Methylene Chloride	3.79	84	57581	9.914	ug/l	94
31) Cyclohexane	7.01	56	6668	1.109	ug/l #	1
36) 1,1-Dichloropropene	7.01	75	29246	4.721	ug/l #	45
38) Carbon Tetrachloride	7.01	117	39916	5.607	ug/l #	15
81) trans-1,4-Dichloro-2-buten	13.54	75	56810	129.210	ug/l #	18

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 28 09:22:37 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.02 min Scan# 569

Delta R.T. 0.00 min

Lab File: VD061588.D

Acq: 4 Apr 2019 19:31

Instrument :

MSVOA_D

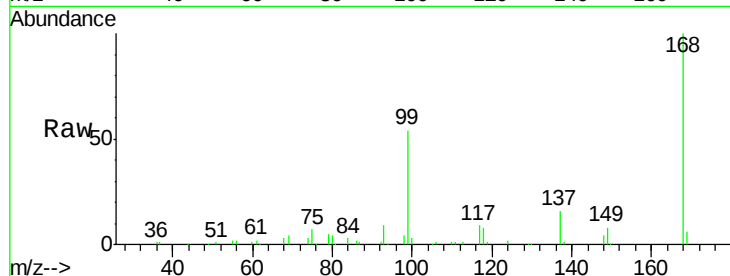
ClientSampleId :

Tot Ion:168 Resp: 408683

Ion Ratio Lower Upper

168 100

99 54.0 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.02

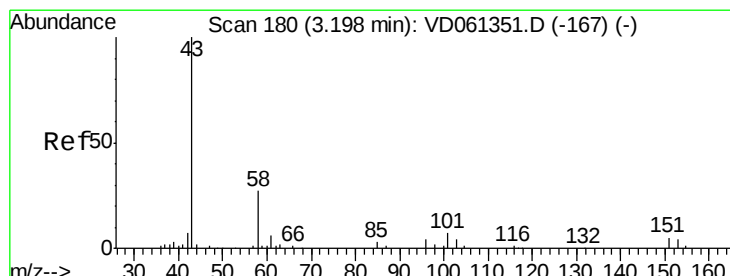
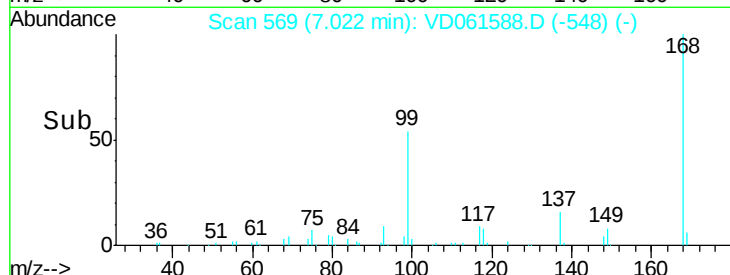
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 5.411 ug/l

RT: 3.21 min Scan# 182

Delta R.T. 0.01 min

Lab File: VD061588.D

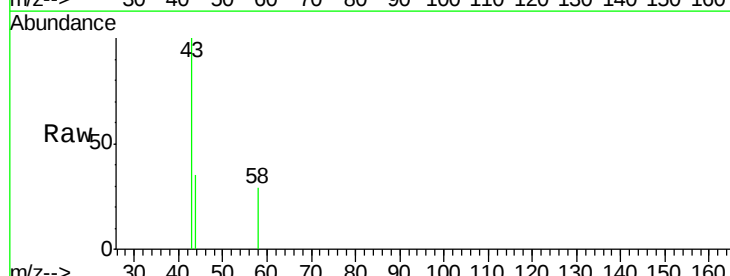
Acq: 4 Apr 2019 19:31

Tgt Ion: 43 Resp: 4856

Ion Ratio Lower Upper

43 100

58 29.1 21.5 32.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.21

2000

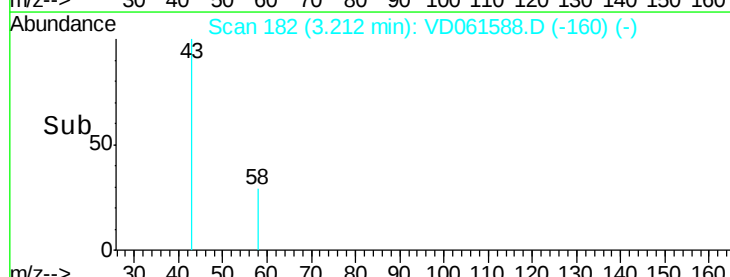
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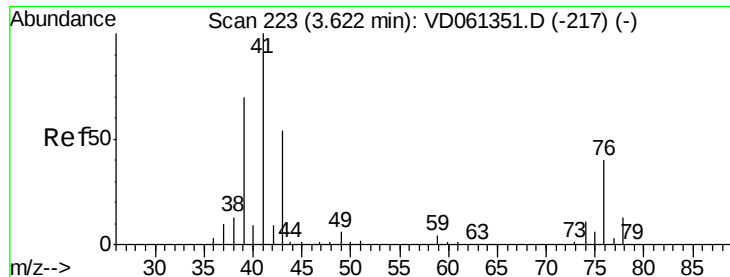
1000

500

0

Time-->

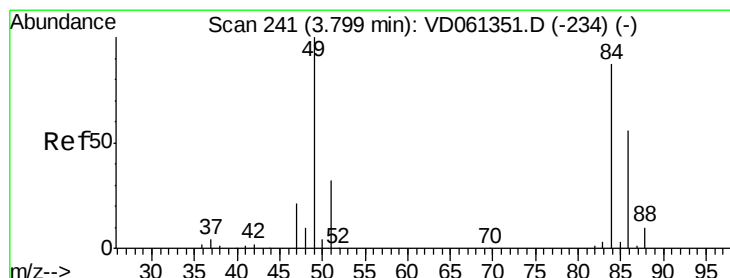
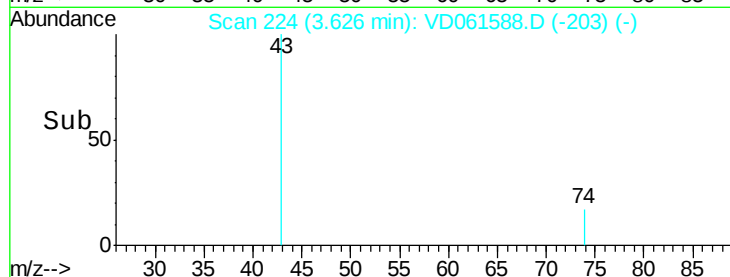
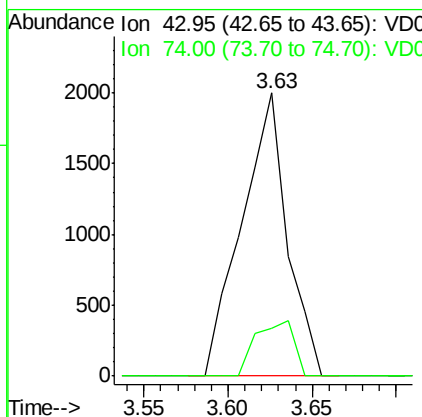
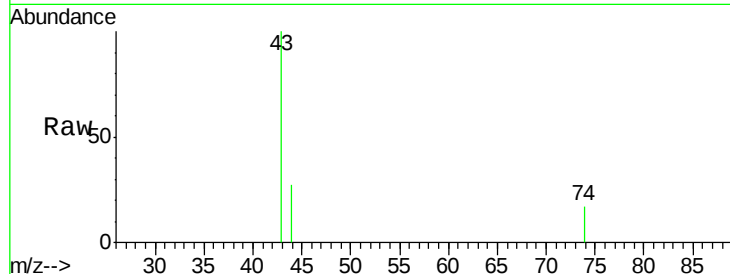




#18
Methyl Acetate
Concen: 1.983 ug/l
RT: 3.63 min Scan# 224
Delta R.T. 0.00 min
Lab File: VD061588.D
Acq: 4 Apr 2019 19:31

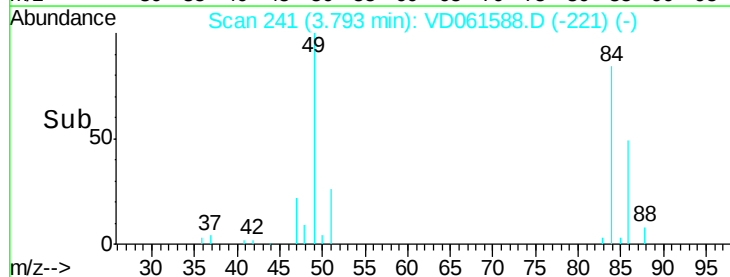
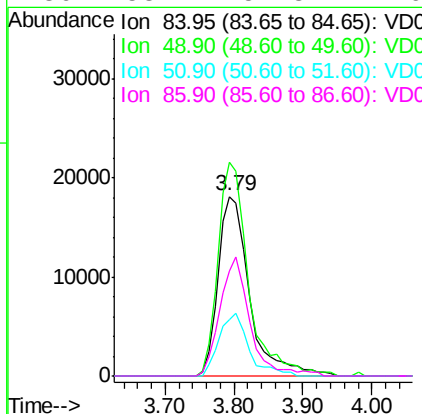
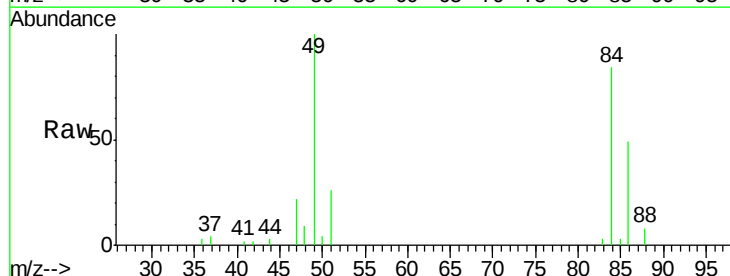
Instrument :
MSVOA_D
ClientSampled :

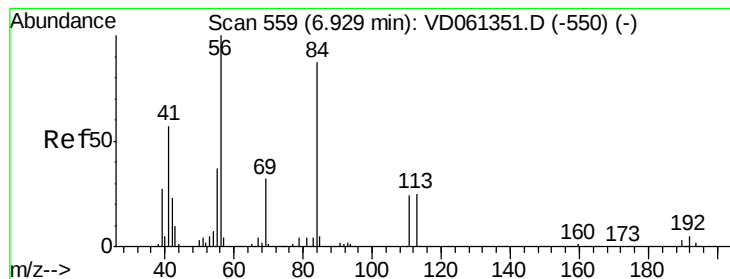
Tot Ion: 43 Resp: 3741
Ion Ratio Lower Upper
43 100
74 16.8 16.7 25.1



#20
Methylene Chloride
Concen: 9.914 ug/l
RT: 3.79 min Scan# 241
Delta R.T. -0.01 min
Lab File: VD061588.D
Acq: 4 Apr 2019 19:31

Tgt Ion: 84 Resp: 57581
Ion Ratio Lower Upper
84 100
49 118.9 91.8 137.8
51 31.4 29.8 44.8
86 58.1 51.8 77.6





#31

Cyclohexane

Concen: 1.109 ug/l

RT: 7.01 min Scan# 568

Delta R.T. 0.08 min

Lab File: VD061588.D

Acq: 4 Apr 2019 19:31

Instrument :
MSVOA_D
ClientSampled :

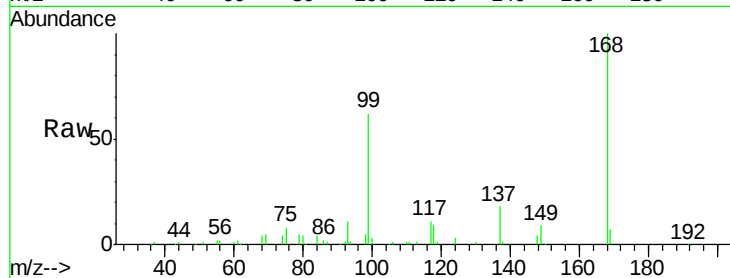
Tot Ion: 56 Resp: 6668

Ion Ratio Lower Upper

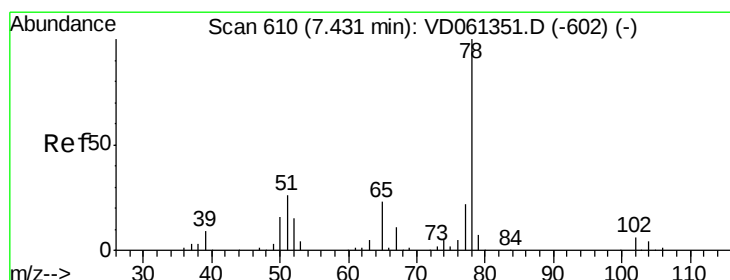
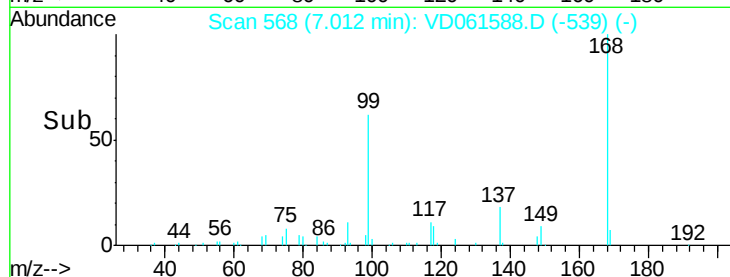
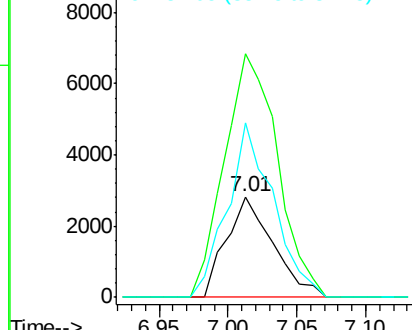
56 100

69 241.7 25.7 38.5#

84 173.4 70.6 105.8#



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: 7.43 min Scan# 610

Delta R.T. -0.01 min

Lab File: VD061588.D

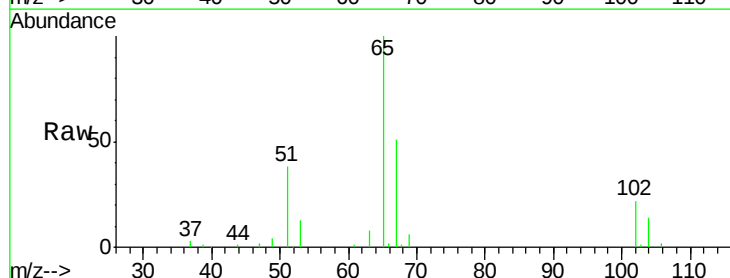
Acq: 4 Apr 2019 19:31

Tgt Ion: 65 Resp: 199944

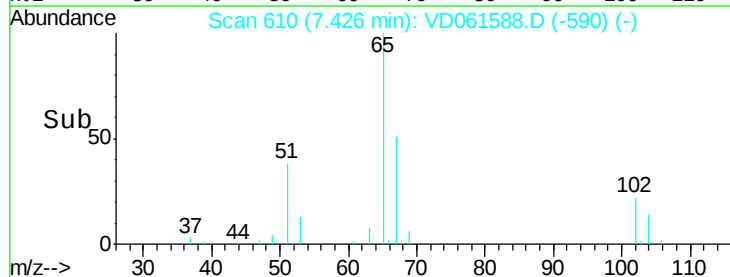
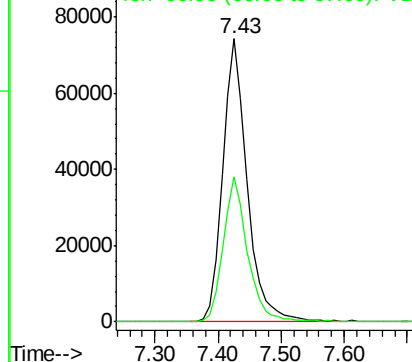
Ion Ratio Lower Upper

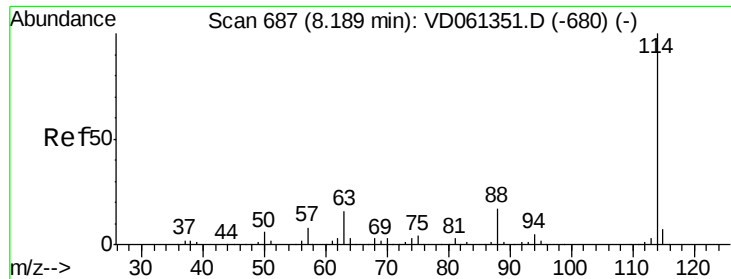
65 100

67 51.1 0.0 99.8



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

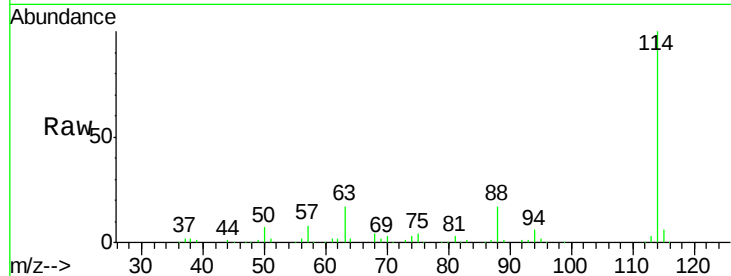




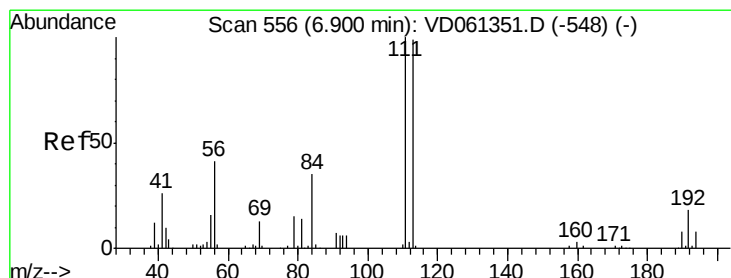
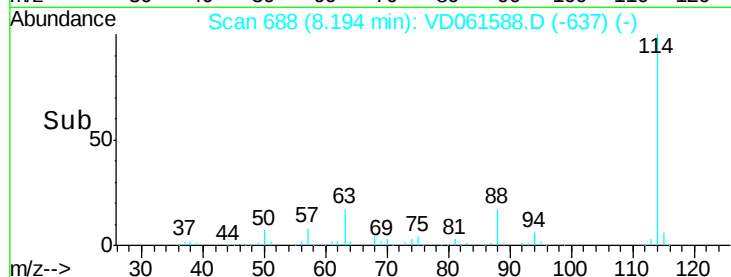
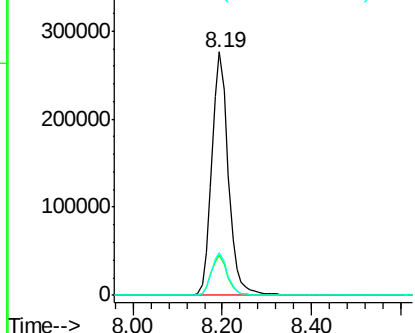
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.19 min Scan# 688
 Delta R.T. 0.00 min
 Lab File: VD061588.D
 Acq: 4 Apr 2019 19:31

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 709819
 Ion Ratio Lower Upper
 114 100
 63 16.6 0.0 31.6
 88 17.3 0.0 33.4

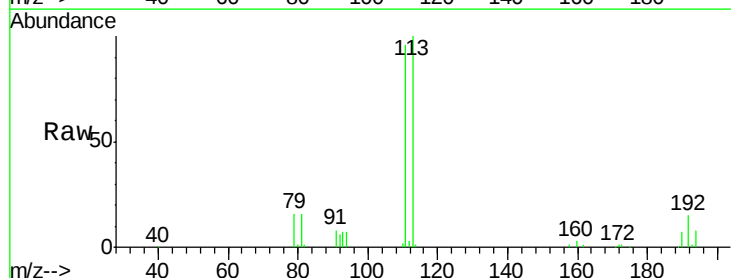


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

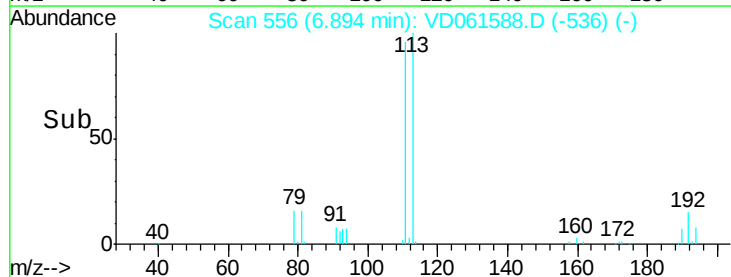
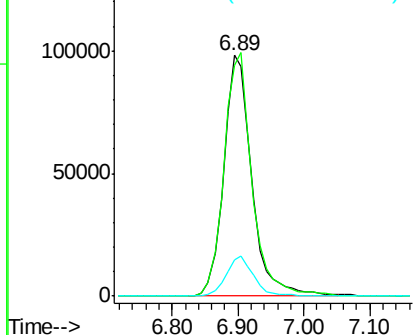


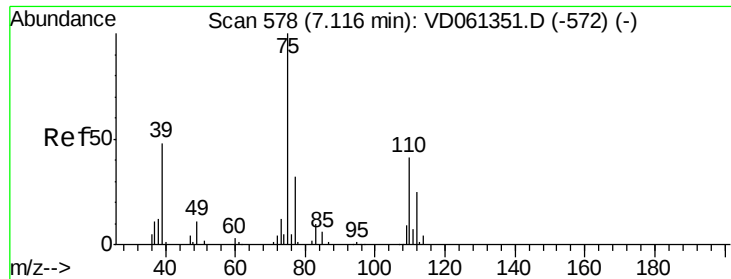
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.89 min Scan# 556
 Delta R.T. -0.01 min
 Lab File: VD061588.D
 Acq: 4 Apr 2019 19:31

Tgt Ion:113 Resp: 291313
 Ion Ratio Lower Upper
 113 100
 111 96.2 81.0 121.6
 192 15.1 14.4 21.6



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: 4.721 ug/l

RT: 7.01 min Scan# 568

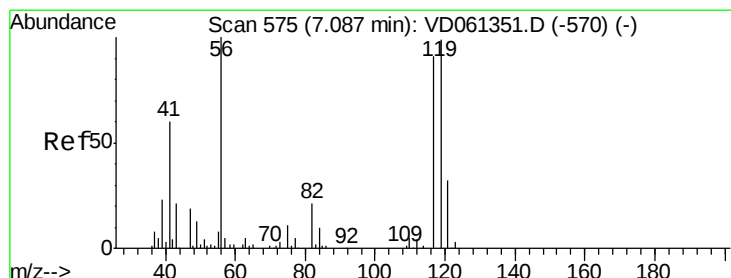
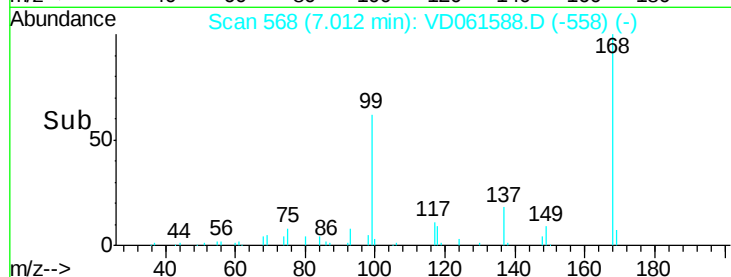
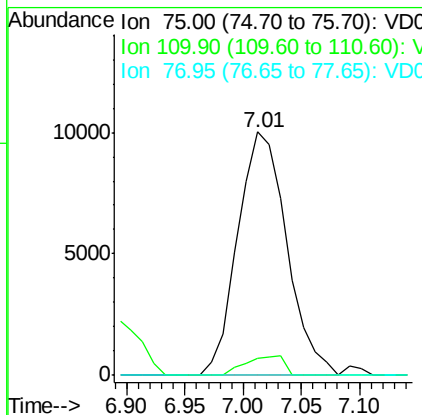
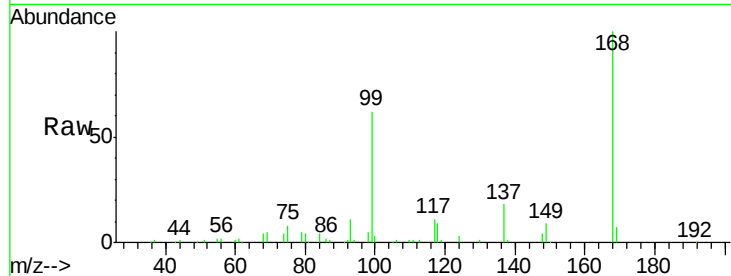
Delta R.T. -0.10 min

Lab File: VD061588.D

Acq: 4 Apr 2019 19:31

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:	75	Resp:	29246
Ion	Ratio	Lower	Upper
75	100		
110	6.9	20.4	61.3#
77	0.0	24.9	37.3#



#38

Carbon Tetrachloride

Concen: 5.607 ug/l

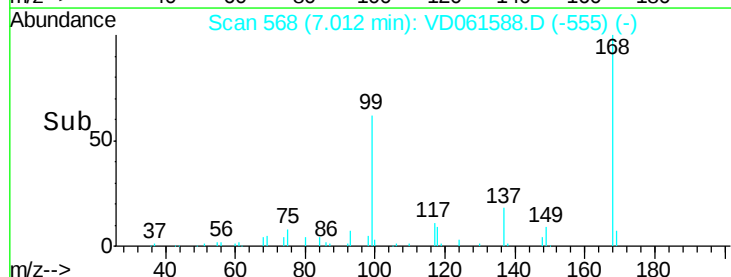
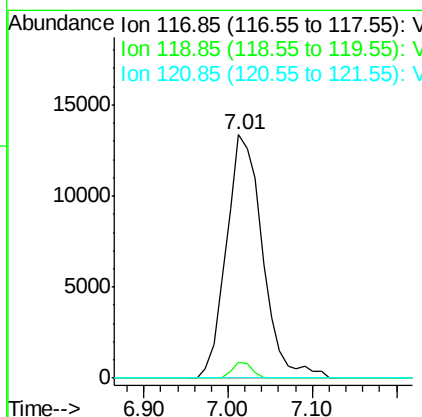
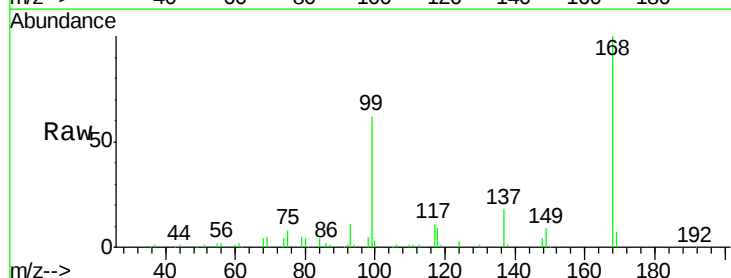
RT: 7.01 min Scan# 568

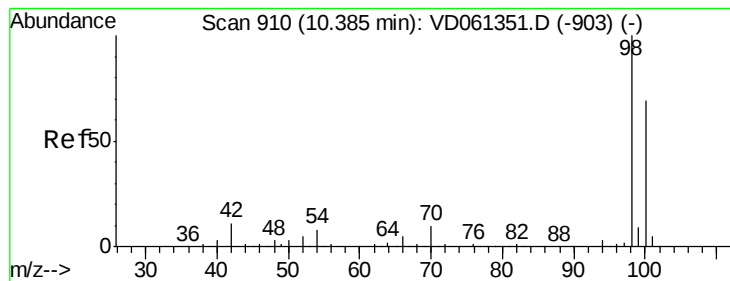
Delta R.T. -0.07 min

Lab File: VD061588.D

Acq: 4 Apr 2019 19:31

Tgt Ion:	117	Resp:	39916
Ion	Ratio	Lower	Upper
117	100		
119	6.4	80.1	120.1#
121	0.0	25.6	38.4#





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.39 min Scan# 911

Delta R.T. 0.00 min

Lab File: VD061588.D

Acq: 4 Apr 2019 19:31

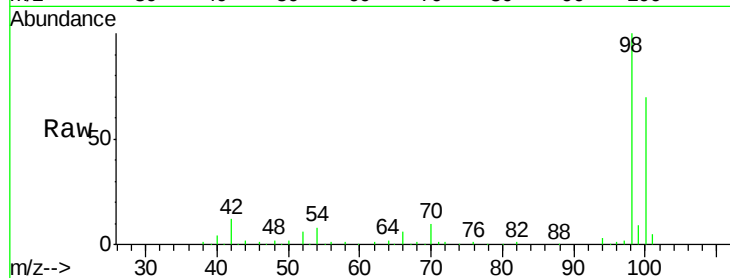
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 434681

Ion Ratio Lower Upper

98 100

100 69.6 56.2 84.2



Abundance Ion 98.05 (97.75 to 98.75): VD061351.D (-903) (-)

Ion 100.05 (99.75 to 100.75): VD061351.D (-903) (-)

200000

150000

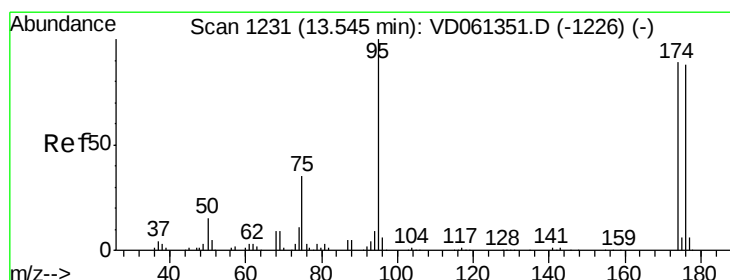
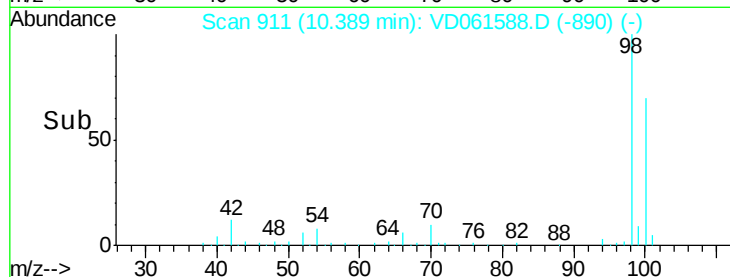
100000

50000

0

10.30 10.40 10.50 10.60

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.54 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD061588.D

Acq: 4 Apr 2019 19:31

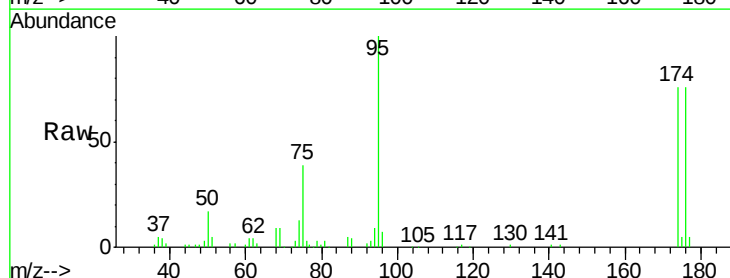
Tgt Ion: 95 Resp: 146988

Ion Ratio Lower Upper

95 100

174 75.8 0.0 178.0

176 76.3 0.0 175.0



Abundance Ion 95.00 (94.70 to 95.70): VD061351.D (-1226) (-)

Ion 173.90 (173.60 to 174.60): VD061351.D (-1226) (-)

Ion 175.90 (175.60 to 176.60): VD061351.D (-1226) (-)

150000

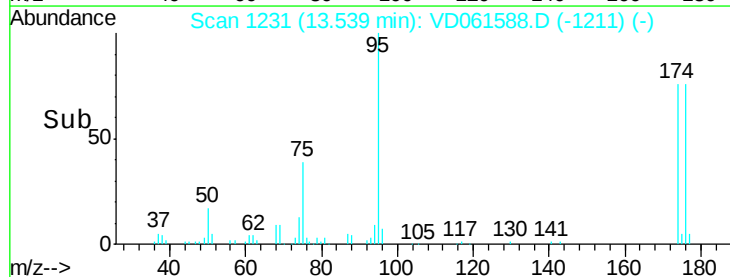
100000

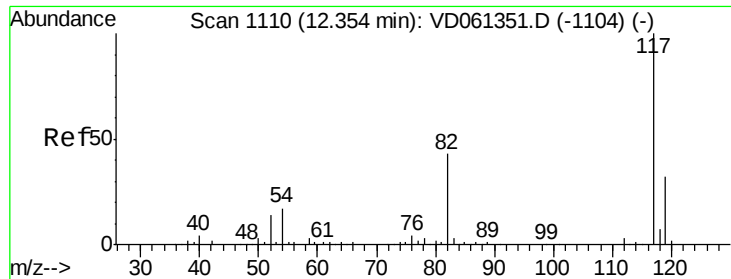
50000

0

13.45 13.50 13.55 13.60

Time-->

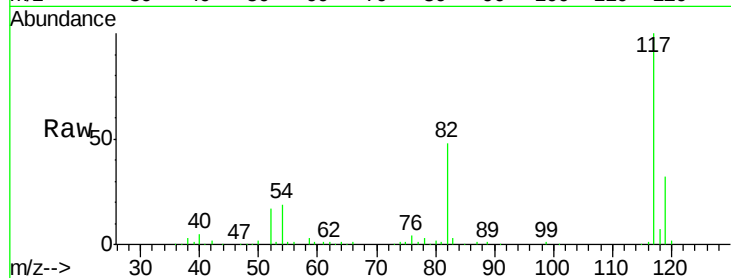




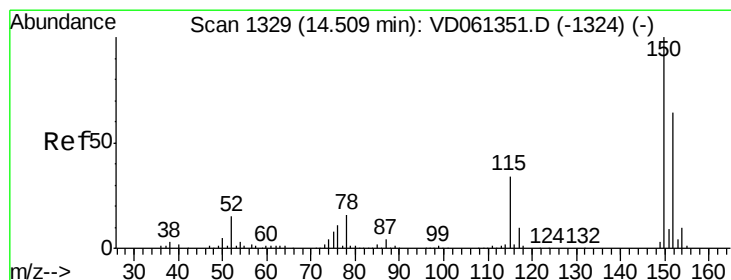
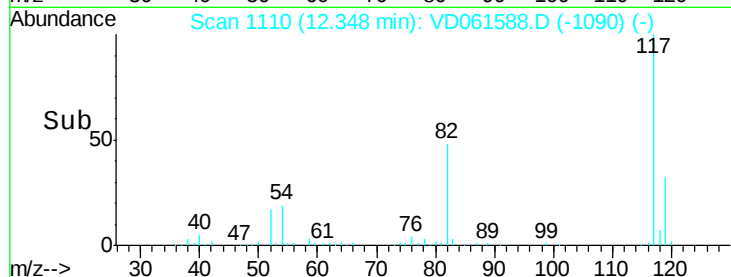
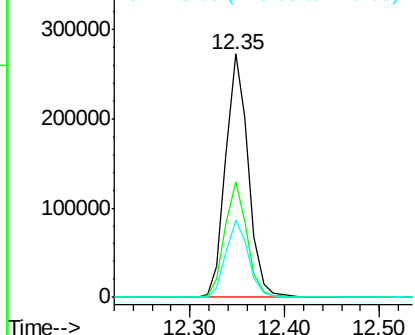
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.01 min
Lab File: VD061588.D
Acq: 4 Apr 2019 19:31

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 450855
Ion Ratio Lower Upper
117 100
82 47.5 34.4 51.6
119 31.7 25.8 38.6

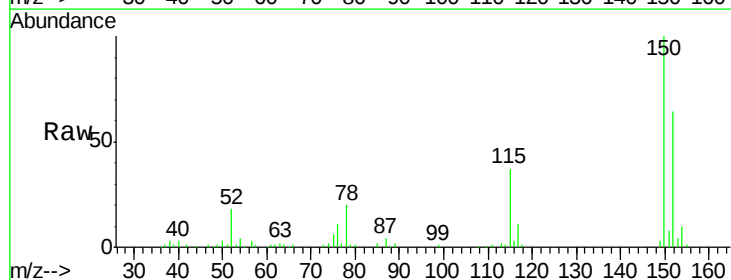


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

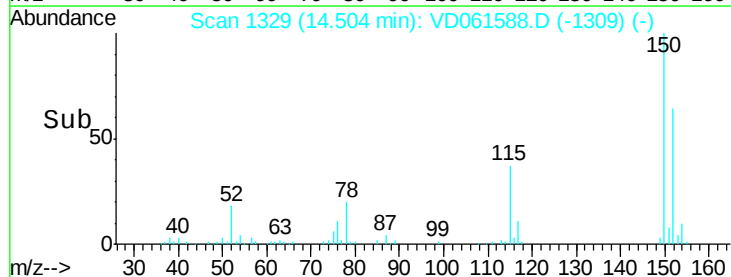
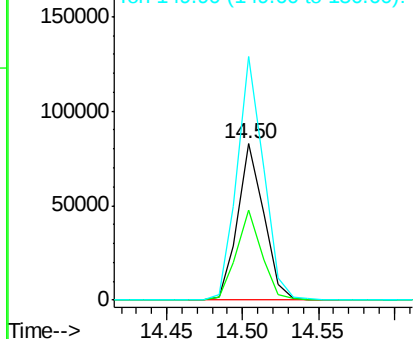


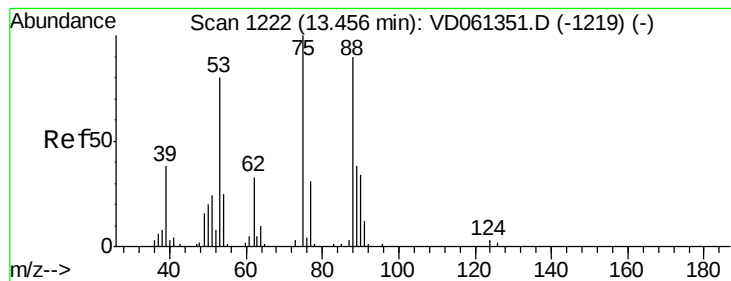
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.50 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD061588.D
Acq: 4 Apr 2019 19:31

Tgt Ion:152 Resp: 99826
Ion Ratio Lower Upper
152 100
115 57.3 26.9 80.6
150 155.9 0.0 318.0



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: 129.210 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. 0.08 min

Lab File: VD061588.D

Acq: 4 Apr 2019 19:31

Instrument :

MSVOA_D

ClientSampleId :

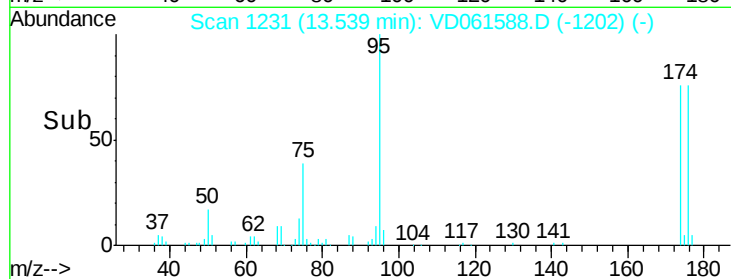
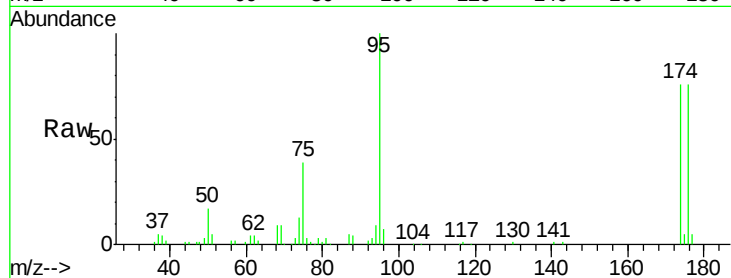
Tot Ion: 75 Resp: 56810

Ion Ratio Lower Upper

75 100

53 0.0 63.8 95.8#

89 0.0 30.5 45.7#



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

