

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050219\
 Data File : VD062118.D
 Acq On : 2 May 2019 18:35
 Operator : FY/SY
 Sample : K2677-02
 Misc : 6.65g/5mL/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 03 01:11:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 02 07:55:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	428545	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.20	114	681855	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.35	117	585592	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.51	152	243320	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.43	65	166958	49.78	ug/l	-0.03
Spiked Amount			Recovery	=	99.56%	
35) Dibromofluoromethane	6.90	113	239433	50.77	ug/l	-0.04
Spiked Amount			Recovery	=	101.54%	
50) Toluene-d8	10.39	98	602159	53.66	ug/l	-0.03
Spiked Amount			Recovery	=	107.32%	
62) 4-Bromofluorobenzene	13.54	95	223382	49.63	ug/l	-0.02
Spiked Amount			Recovery	=	99.26%	

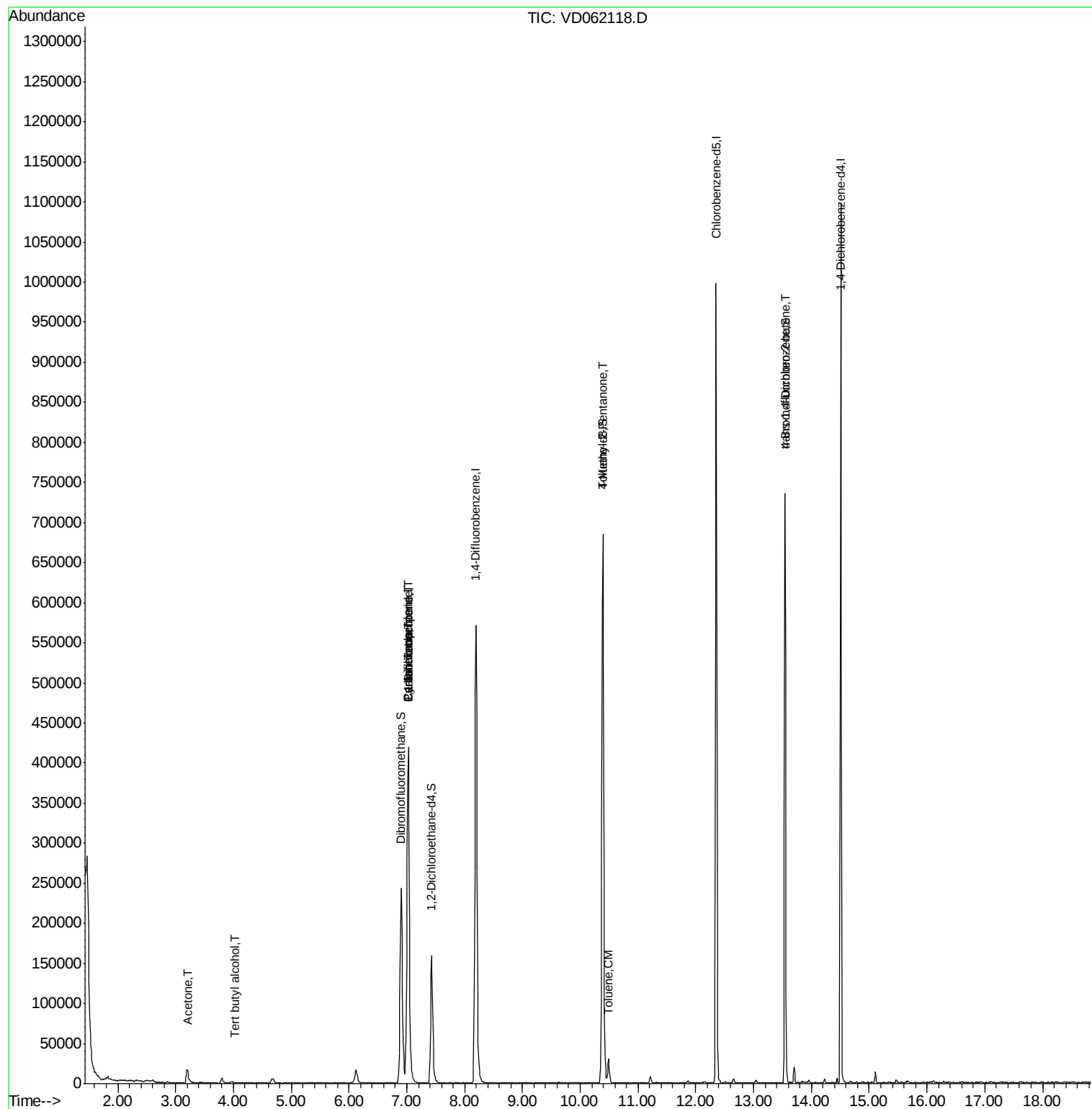
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.15	94	180	Below Cal	#	12
11) Tert butyl alcohol	4.03	59	665	3.509	ug/l #	76
16) Acetone	3.21	43	34218	42.727	ug/l	98
20) Methylene Chloride	3.80	84	4282	Below Cal		90
31) Cyclohexane	7.02	56	7815	1.564	ug/l #	1
36) 1,1-Dichloropropene	7.03	75	31228	5.878	ug/l #	46
38) Carbon Tetrachloride	7.02	117	41003	6.091	ug/l #	15
51) 4-Methyl-2-Pentanone	10.39	43	2189	1.082	ug/l #	1
52) Toluene	10.49	92	16190	1.931	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.54	75	85559	91.377	ug/l #	16

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

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Quant Title : SW846 8260
QLast Update : Thu May 02 07:55:52 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.03 min

Lab File: VD062118.D

Acq: 2 May 2019 18:35

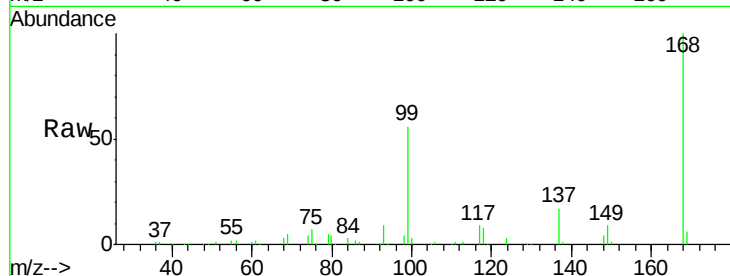
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 428545

Ion Ratio Lower Upper

168 100

99 56.0 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.03

150000

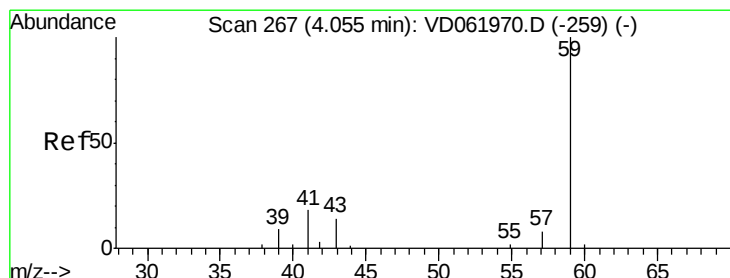
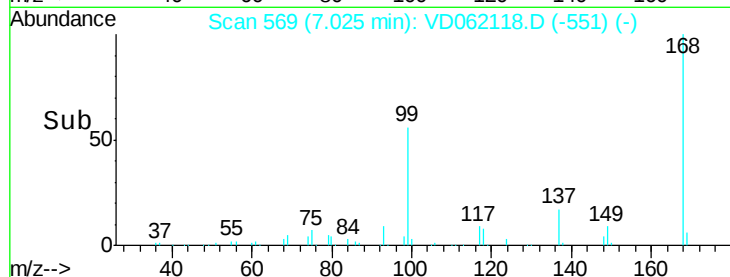
100000

50000

0

6.90 7.00 7.10 7.20 7.30

Time-->



#11

Tert butyl alcohol

Concen: 3.509 ug/l

RT: 4.03 min Scan# 265

Delta R.T. -0.03 min

Lab File: VD062118.D

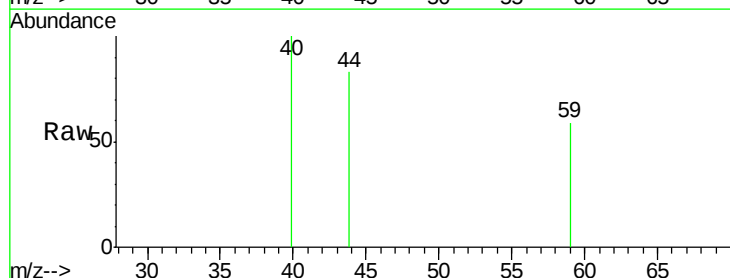
Acq: 2 May 2019 18:35

Tgt Ion: 59 Resp: 665

Ion Ratio Lower Upper

59 100

57 0.0 6.9 10.3#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

4.03

500

400

300

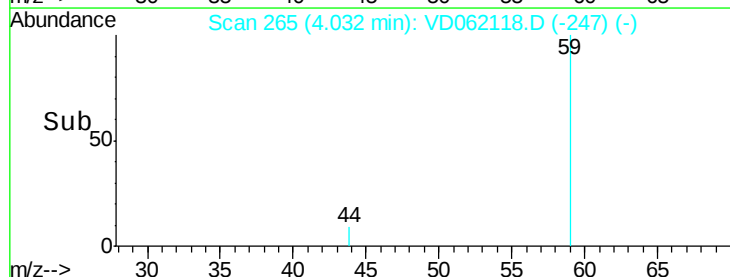
200

100

0

4.00 4.02 4.04 4.06

Time-->





#16

Acetone

Concen: 42.727 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.02 min

Lab File: VD062118.D

Acq: 2 May 2019 18:35

Instrument :

MSVOA_D

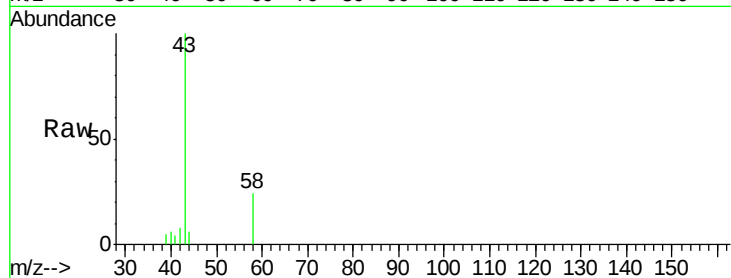
ClientSampleId :

Tot Ion: 43 Resp: 34218

Ion Ratio Lower Upper

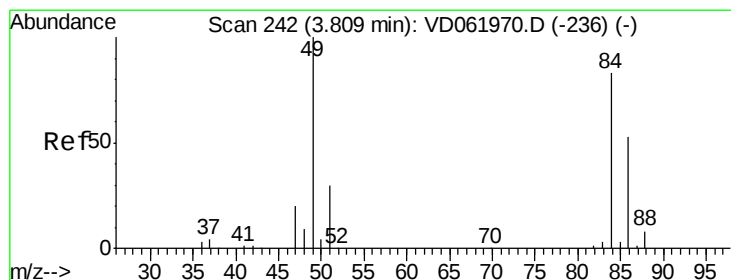
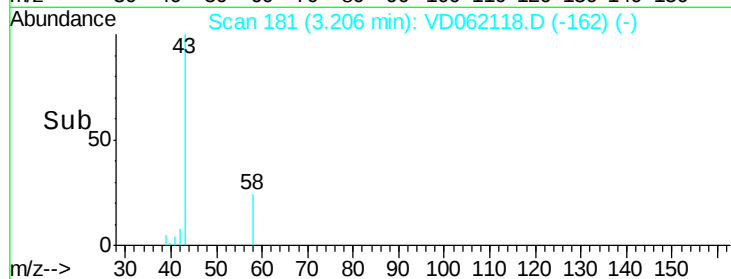
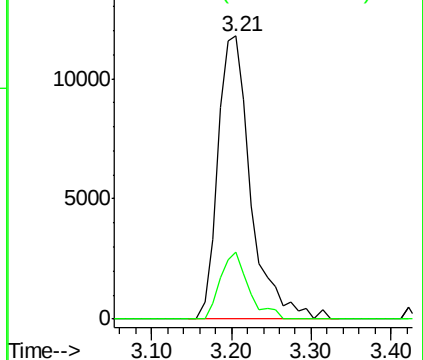
43 100

58 23.7 19.9 29.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 3.80 min Scan# 241

Delta R.T. -0.03 min

Lab File: VD062118.D

Acq: 2 May 2019 18:35

Tgt Ion: 84 Resp: 4282

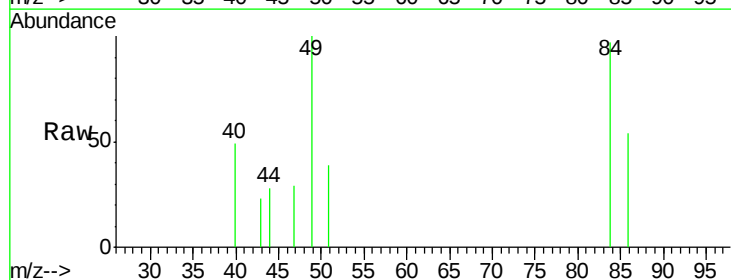
Ion Ratio Lower Upper

84 100

49 103.5 94.0 141.0

51 39.9 29.0 43.4

86 55.8 49.8 74.6

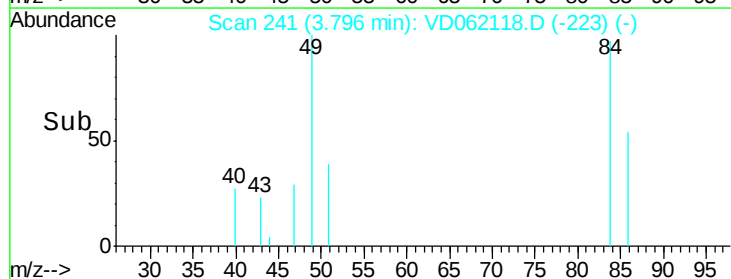
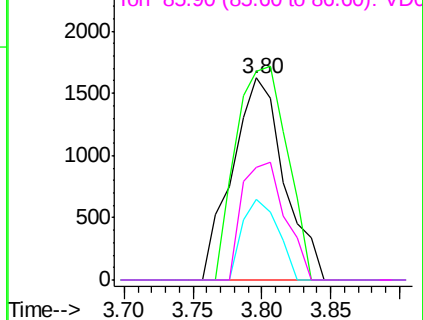


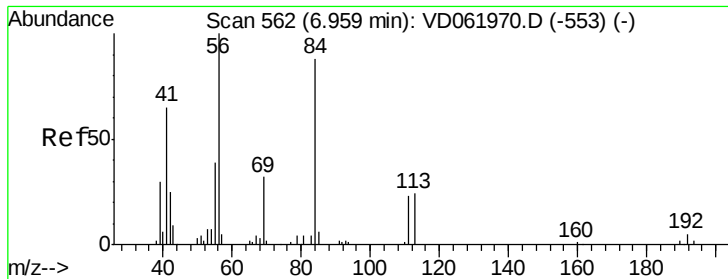
Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

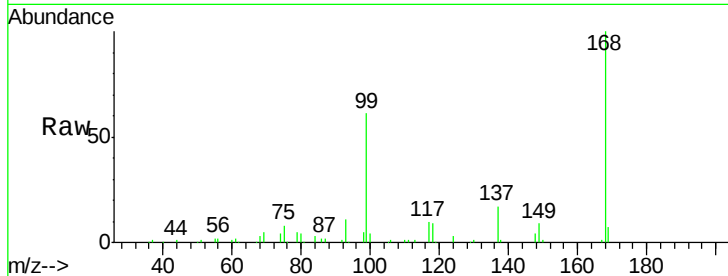




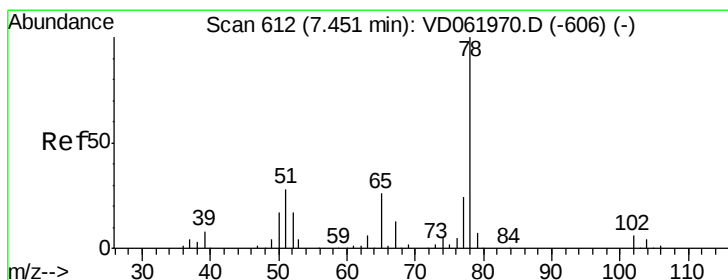
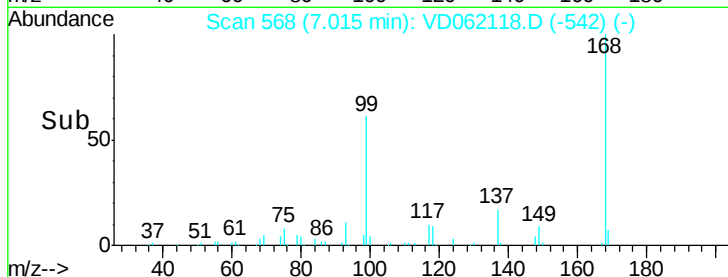
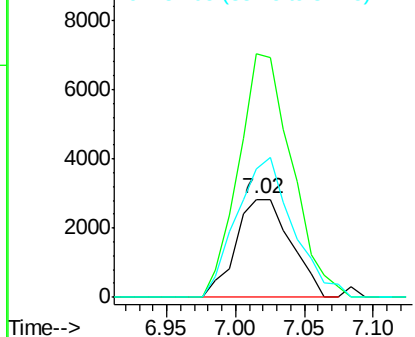
#31
Cyclohexane
Concen: 1.564 ug/l
RT: 7.02 min Scan# 568
Delta R.T. 0.05 min
Lab File: VD062118.D
Acq: 2 May 2019 18:35

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 7815
Ion Ratio Lower Upper
56 100
69 249.0 25.8 38.6#
84 131.1 72.2 108.4#

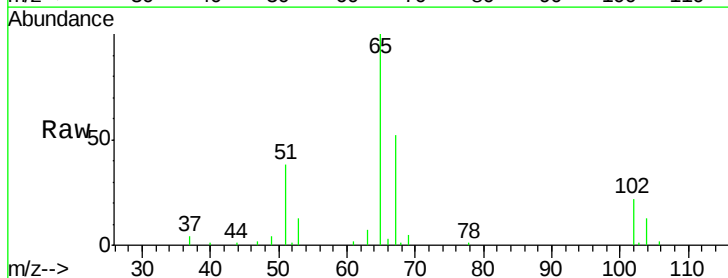


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

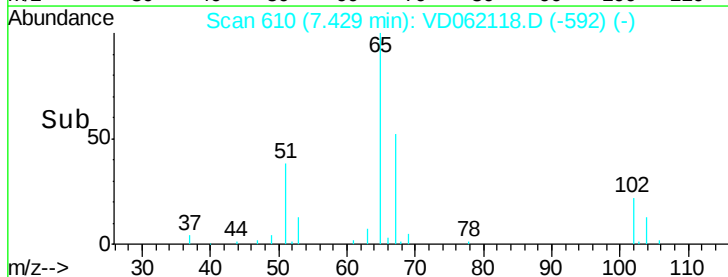
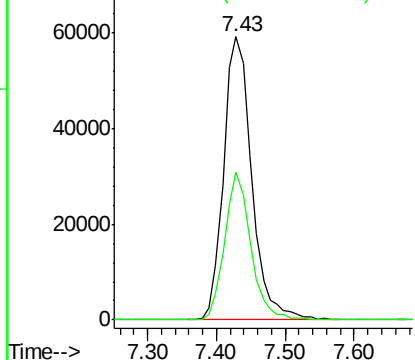


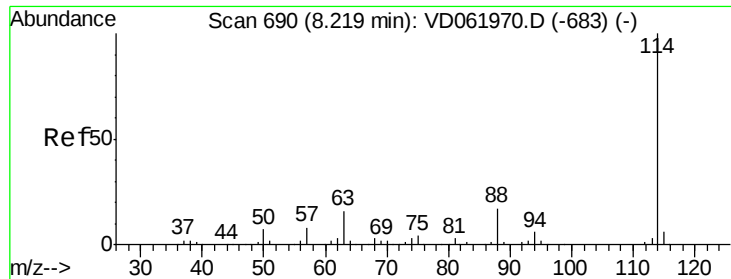
#33
1,2-Dichloroethane-d4
Concen: 49.778 ug/l
RT: 7.43 min Scan# 610
Delta R.T. -0.03 min
Lab File: VD062118.D
Acq: 2 May 2019 18:35

Tgt Ion: 65 Resp: 166958
Ion Ratio Lower Upper
65 100
67 52.3 0.0 98.0



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

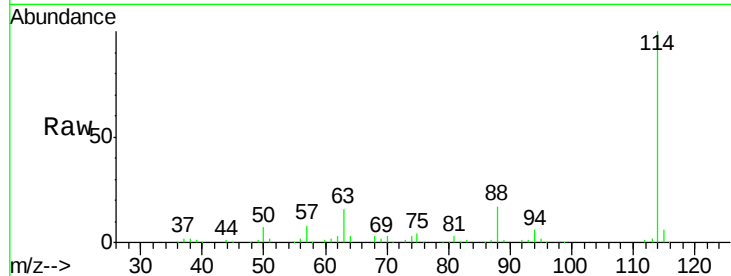




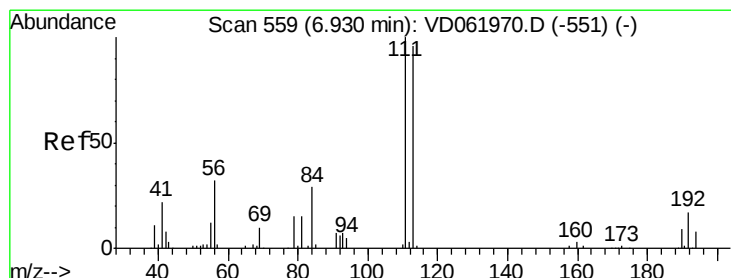
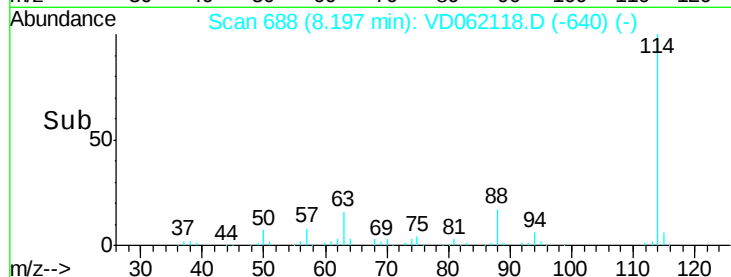
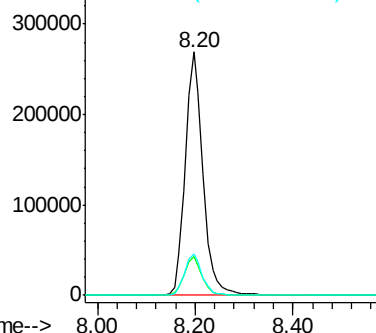
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 688
 Delta R.T. -0.03 min
 Lab File: VD062118.D
 Acq: 2 May 2019 18:35

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 681855
 Ion Ratio Lower Upper
 114 100
 63 16.1 0.0 32.4
 88 17.0 0.0 33.6

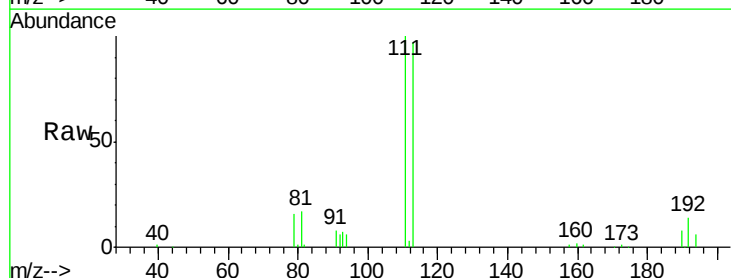


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC

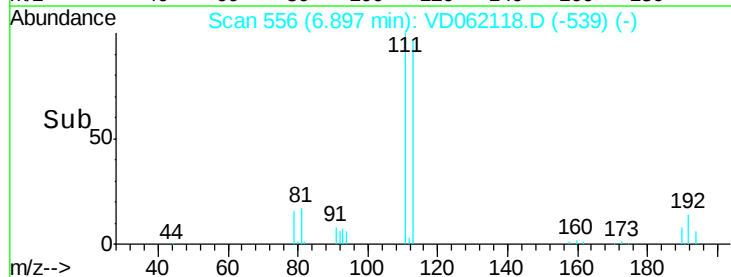
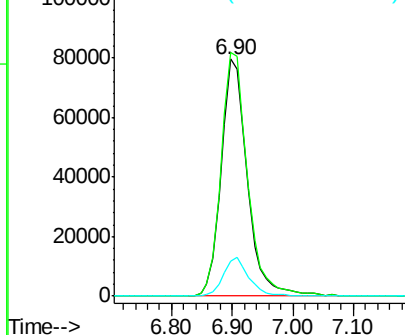


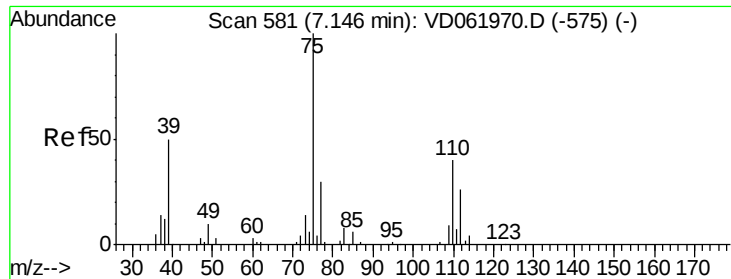
#35
 Dibromofluoromethane
 Concen: 50.774 ug/l
 RT: 6.90 min Scan# 556
 Delta R.T. -0.04 min
 Lab File: VD062118.D
 Acq: 2 May 2019 18:35

Tgt Ion:113 Resp: 239433
 Ion Ratio Lower Upper
 113 100
 111 102.8 78.5 117.7
 192 14.6 13.0 19.4



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

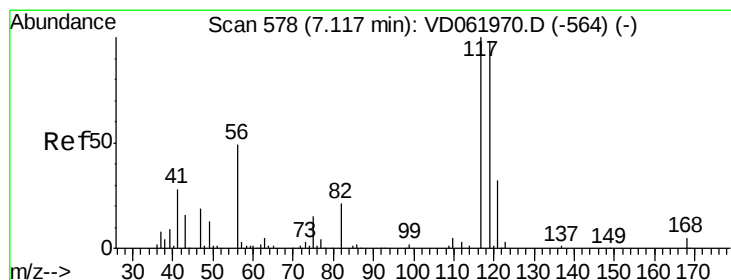
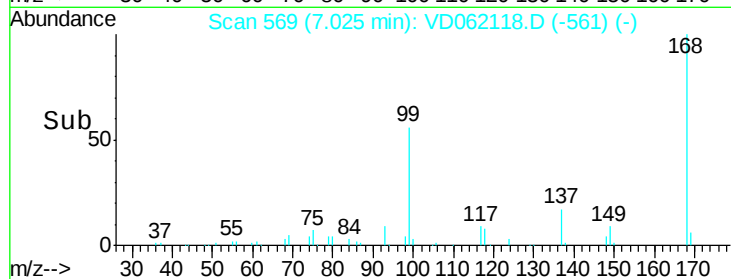
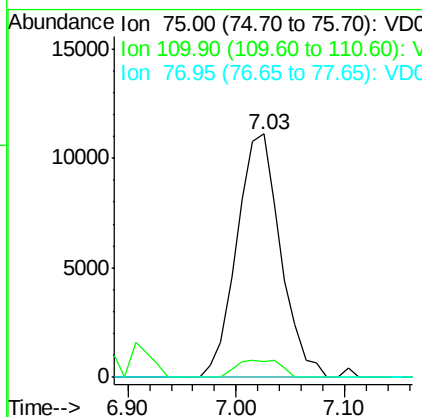
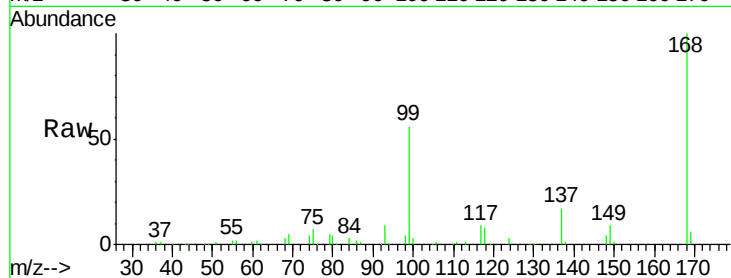




#36
 1,1-Dichloropropene
 Concen: 5.878 ug/l
 RT: 7.03 min Scan# 569
 Delta R.T. -0.13 min
 Lab File: VD062118.D
 Acq: 2 May 2019 18:35

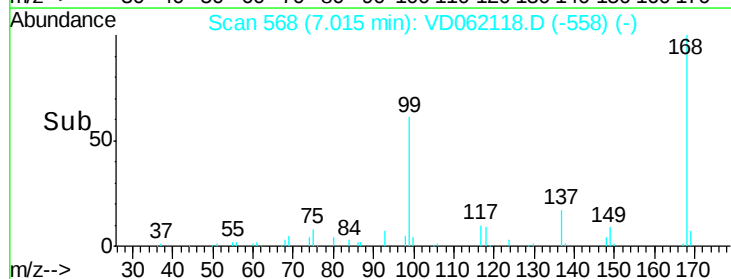
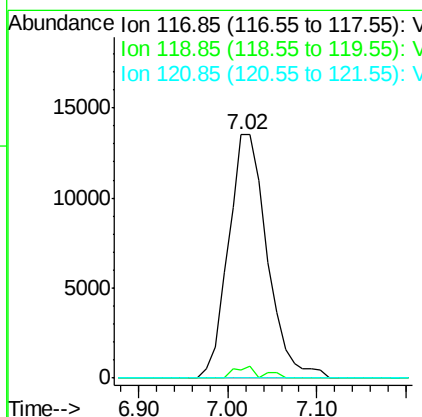
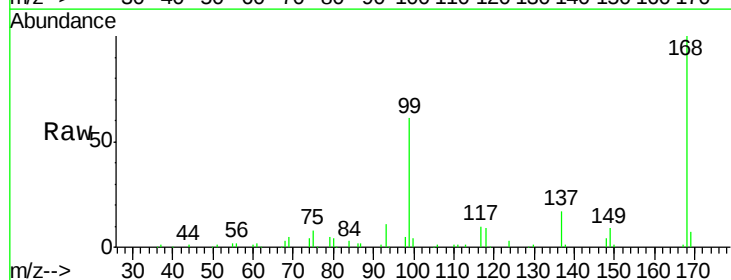
Instrument :
 MSVOA_D
 ClientSampleID :

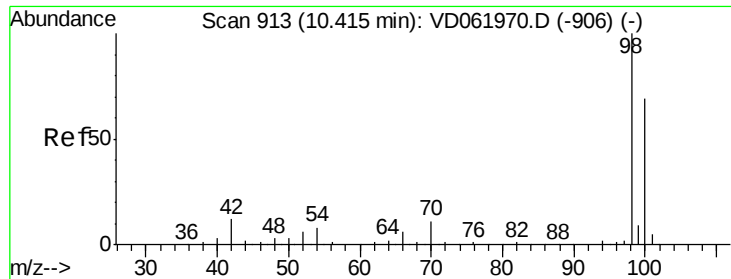
Tot Ion	Ratio	Lower	Upper
75	100		
110	6.7	19.1	57.1#
77	0.0	25.6	38.4#



#38
 Carbon Tetrachloride
 Concen: 6.091 ug/l
 RT: 7.02 min Scan# 568
 Delta R.T. -0.11 min
 Lab File: VD062118.D
 Acq: 2 May 2019 18:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.6	75.8	113.8#
121	0.0	25.9	38.9#

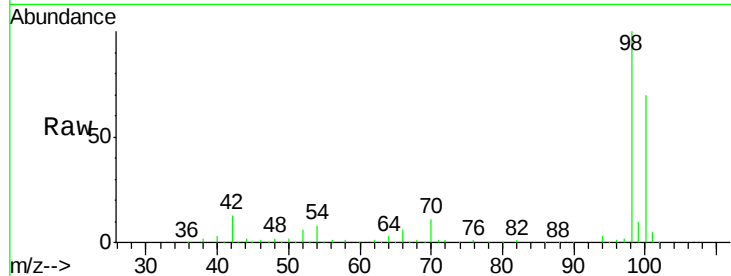




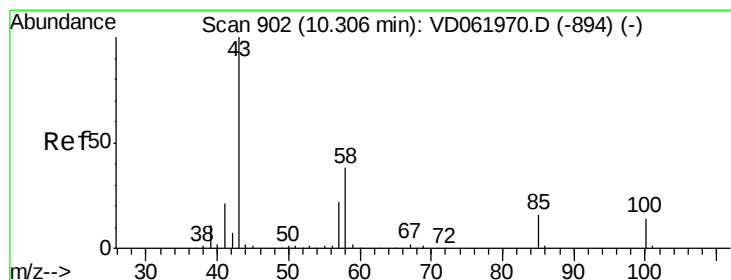
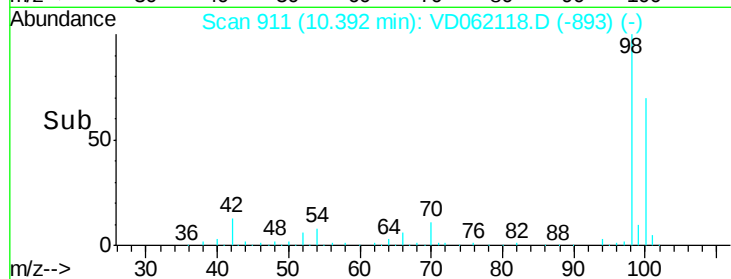
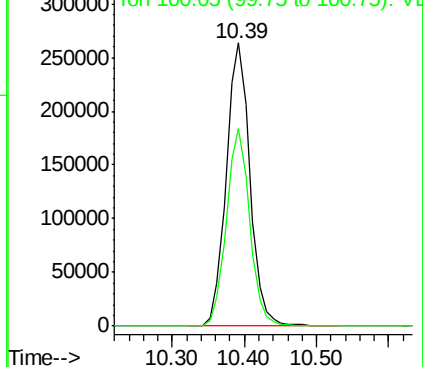
#50
Toluene-d8
Concen: 53.664 ug/l
RT: 10.39 min Scan# 911
Delta R.T. -0.03 min
Lab File: VD062118.D
Acq: 2 May 2019 18:35

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 98 Resp: 602159
Ion Ratio Lower Upper
98 100
100 70.0 53.8 80.8

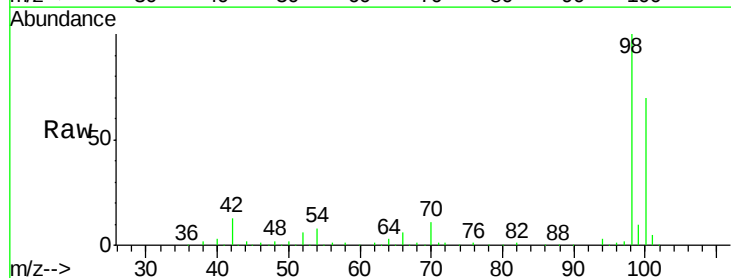


Abundance Ion 98.05 (97.75 to 98.75): VD061970.D (-906) (-)
Ion 100.05 (99.75 to 100.75): VD061970.D (-906) (-)

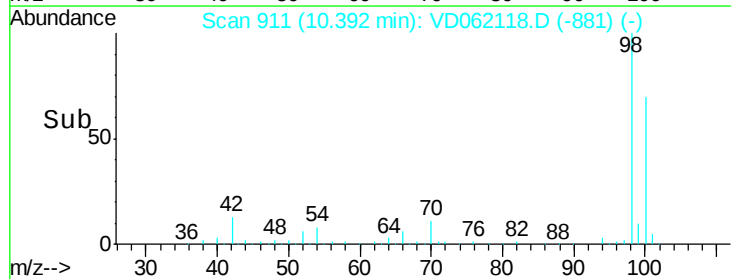
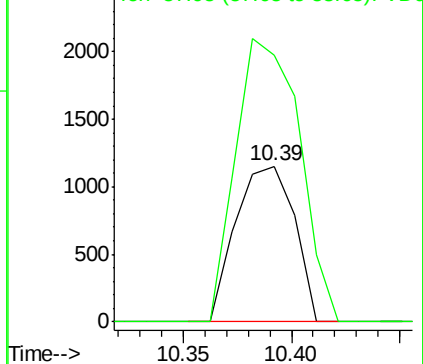


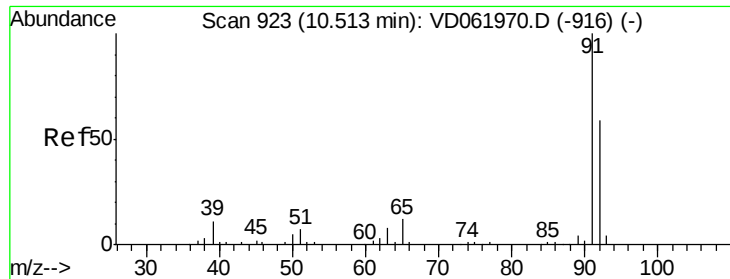
#51
4-Methyl-2-Pentanone
Concen: 1.082 ug/l
RT: 10.39 min Scan# 911
Delta R.T. 0.09 min
Lab File: VD062118.D
Acq: 2 May 2019 18:35

Tgt Ion: 43 Resp: 2189
Ion Ratio Lower Upper
43 100
58 171.2 30.4 45.6#



Abundance Ion 42.95 (42.65 to 43.65): VD061970.D (-894) (-)
Ion 57.95 (57.65 to 58.65): VD061970.D (-894) (-)





#52

Toluene

Concen: 1.931 ug/l

RT: 10.49 min Scan# 921

Delta R.T. -0.03 min

Lab File: VD062118.D

Acq: 2 May 2019 18:35

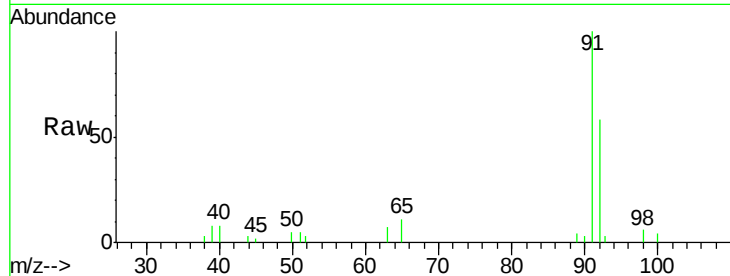
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 92 Resp: 16190

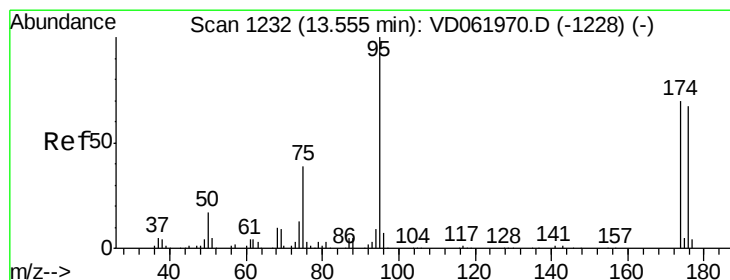
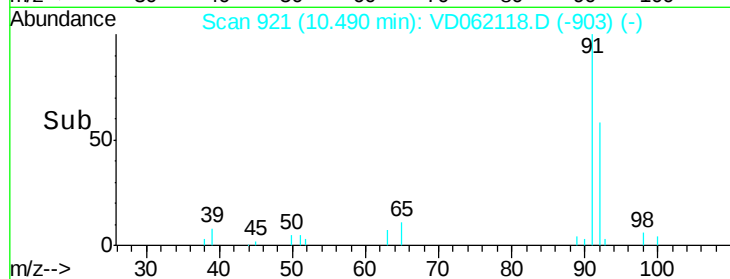
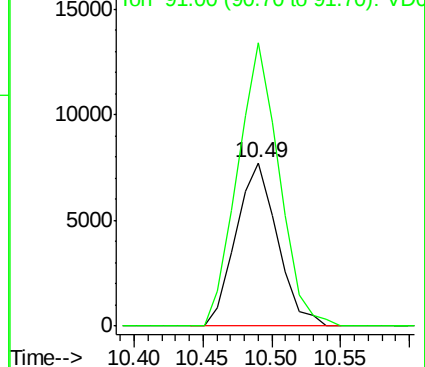
Ion Ratio Lower Upper

92 100

91 165.4 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC
Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: 49.633 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. -0.02 min

Lab File: VD062118.D

Acq: 2 May 2019 18:35

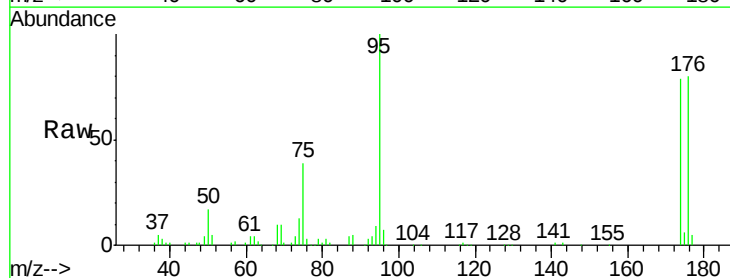
Tgt Ion: 95 Resp: 223382

Ion Ratio Lower Upper

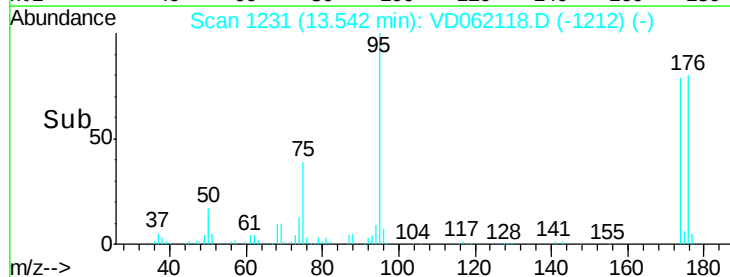
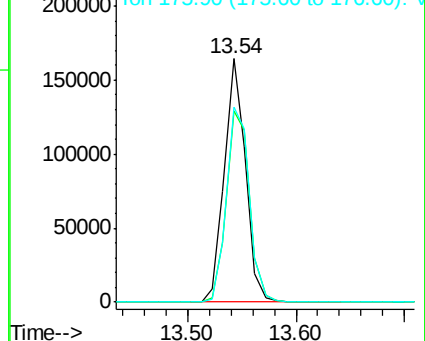
95 100

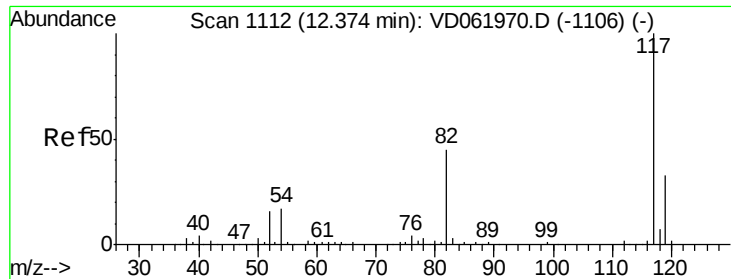
174 78.5 0.0 181.8

176 80.1 0.0 174.4



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: 12.35 min Scan# 1110

Delta R.T. -0.02 min

Lab File: VD062118.D

Acq: 2 May 2019 18:35

Instrument :

MSVOA_D

ClientSampleId :

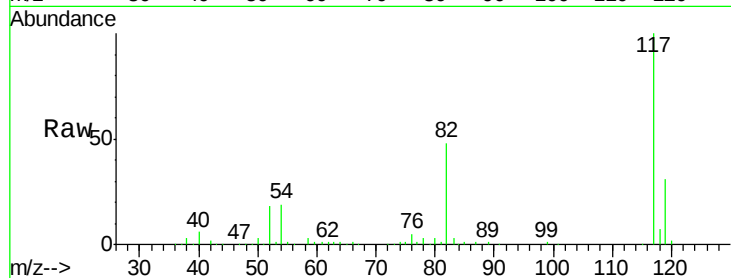
Tot Ion:117 Resp: 585592

Ion Ratio Lower Upper

117 100

82 47.7 36.2 54.2

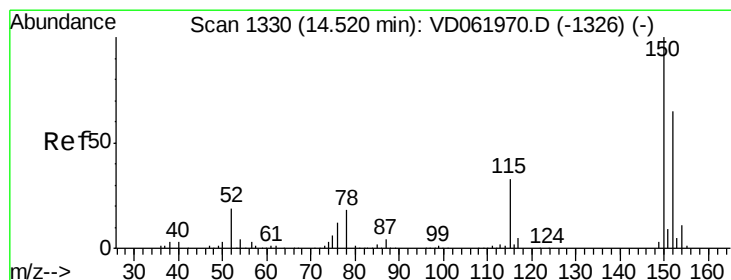
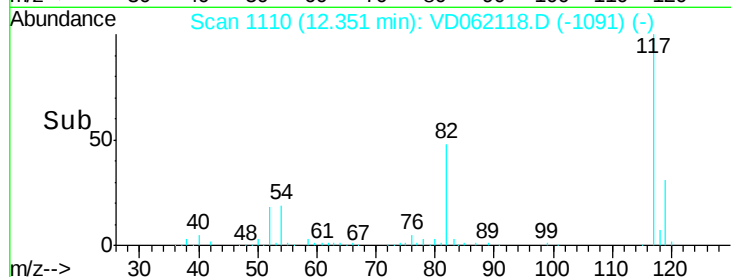
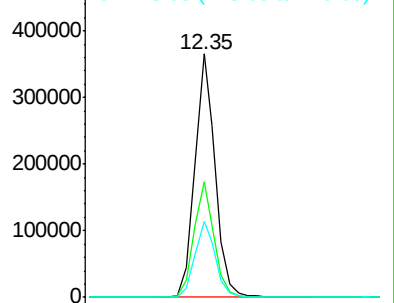
119 31.3 26.2 39.4



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. -0.02 min

Lab File: VD062118.D

Acq: 2 May 2019 18:35

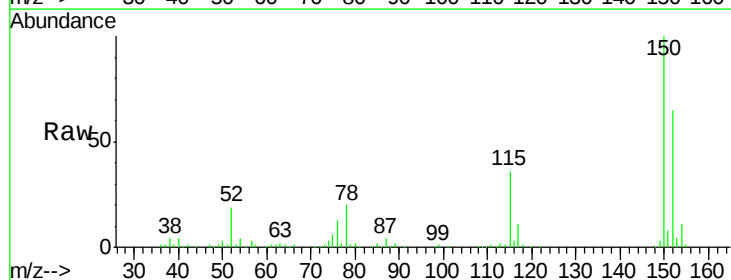
Tgt Ion:152 Resp: 243320

Ion Ratio Lower Upper

152 100

115 54.7 30.9 92.7

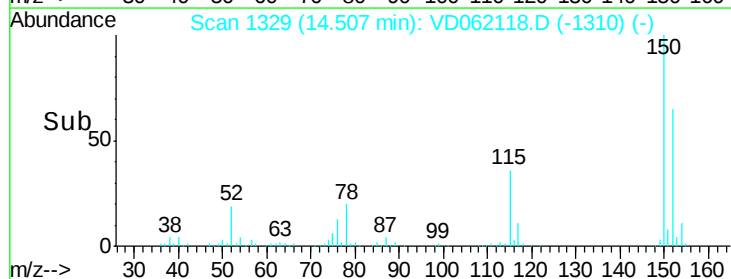
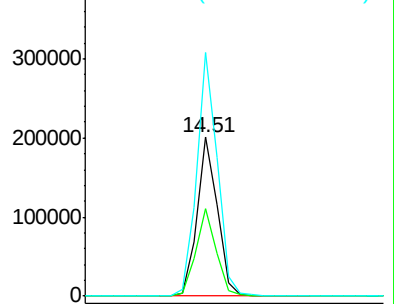
150 153.1 0.0 314.8

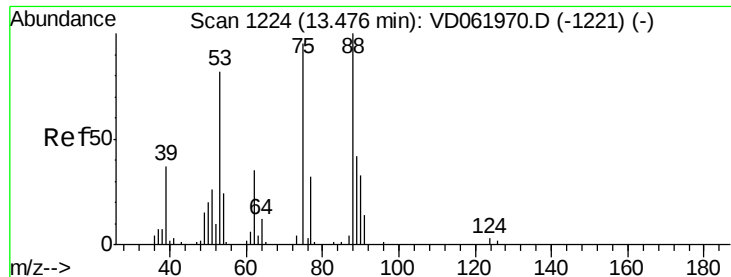


Abundance Ion 151.90 (151.60 to 152.60): V

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: 91.377 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. 0.06 min

Lab File: VD062118.D

Acq: 2 May 2019 18:35

Instrument :

MSVOA_D

ClientSampleId :

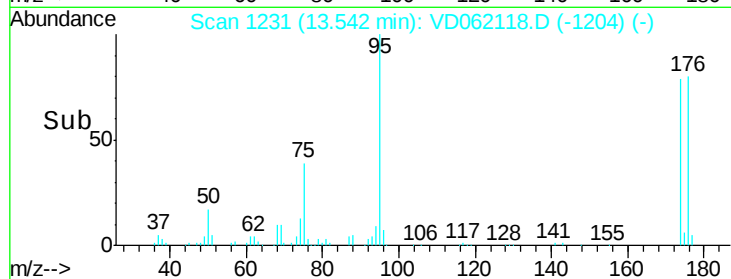
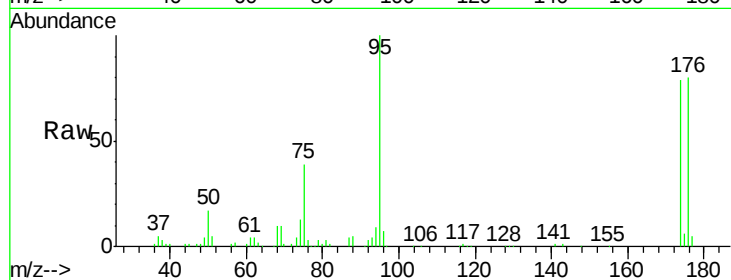
Tot Ion: 75 Resp: 85559

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

89 0.0 35.0 52.6#



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

