

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062719\
 Data File : VD062929.D
 Acq On : 27 Jun 2019 14:10
 Operator : VA/AP
 Sample : K3528-05RE
 Misc : 5.09g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 28 02:20:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

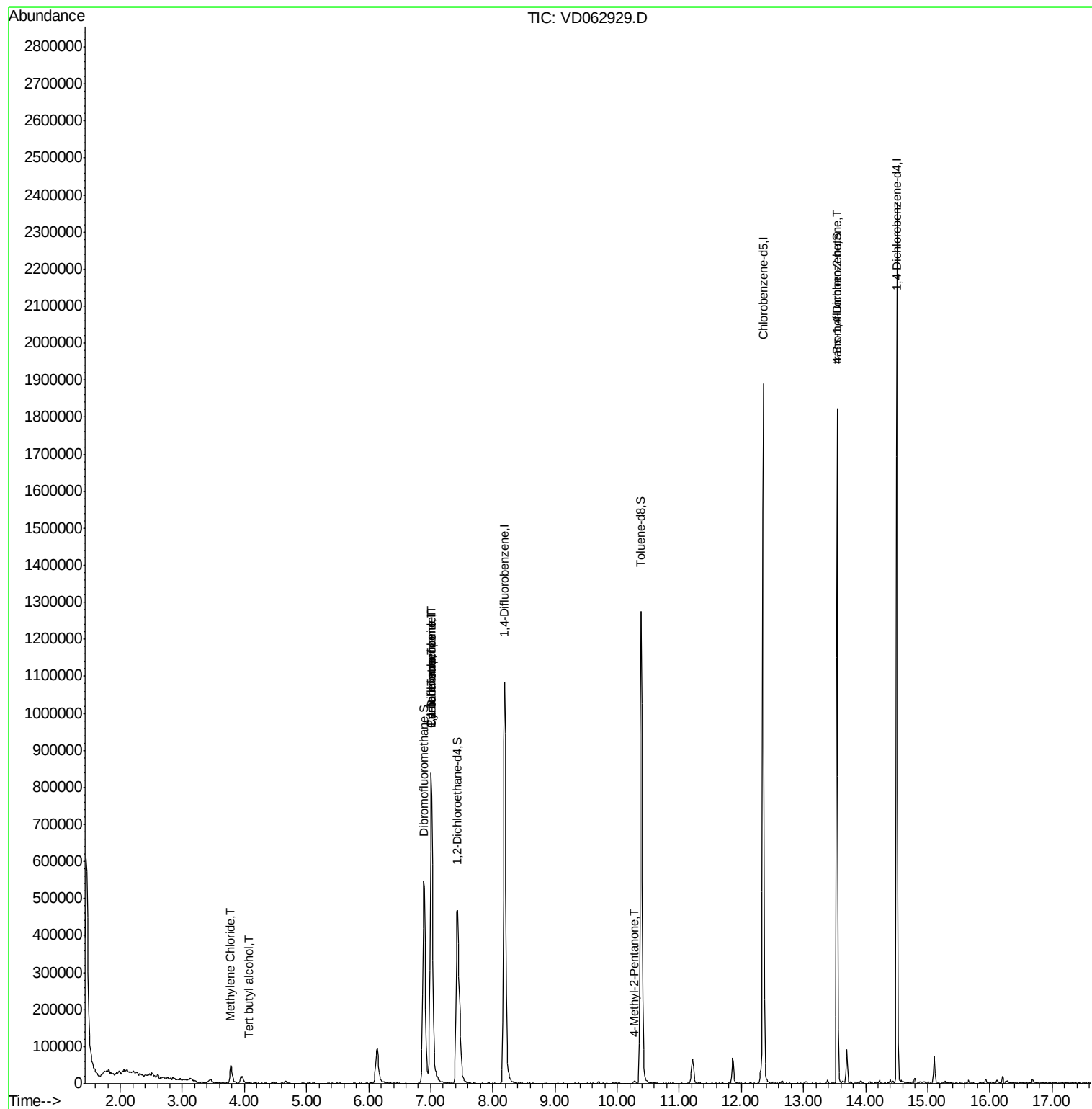
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.01	168	810073	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	8.19	114	1188472	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.35	117	1013659	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.51	152	518239	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.42	65	449229	51.02	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	102.04%	
35) Dibromofluoromethane	6.89	113	487146	48.61	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	97.22%	
50) Toluene-d8	10.38	98	1007356	46.19	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	92.38%	
62) 4-Bromofluorobenzene	13.54	95	491140	49.52	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	99.04%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.06	59	2227	5.553	ug/l #	77
20) Methylene Chloride	3.78	84	28531	4.249	ug/l	97
31) Cyclohexane	7.00	56	18102	2.189	ug/l #	12
36) 1,1-Dichloropropene	7.01	75	66830	5.940	ug/l #	54
38) Carbon Tetrachloride	7.01	117	79981	4.727	ug/l #	18
51) 4-Methyl-2-Pentanone	10.28	43	6152	1.471	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.54	75	232709	148.414	ug/l #	2

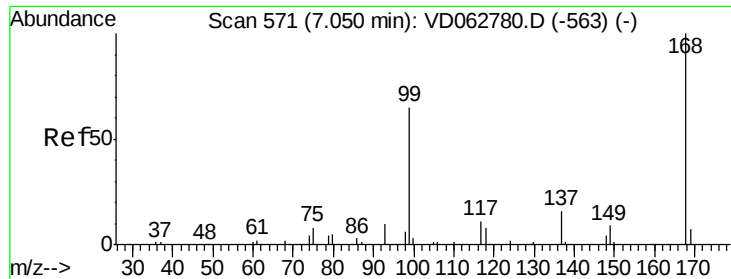
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062719\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 01:50:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.01 min Scan# 567

Delta R.T. -0.04 min

Lab File: VD062929.D

Acq: 27 Jun 2019 14:10

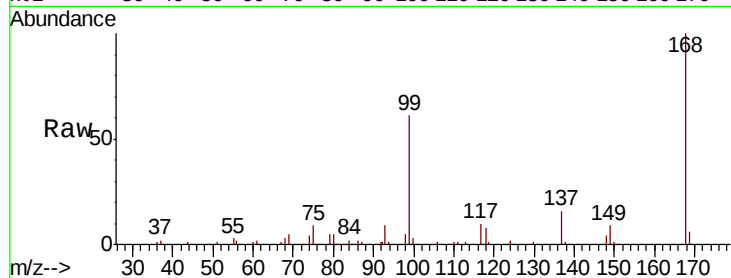
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 810073

Ion Ratio Lower Upper

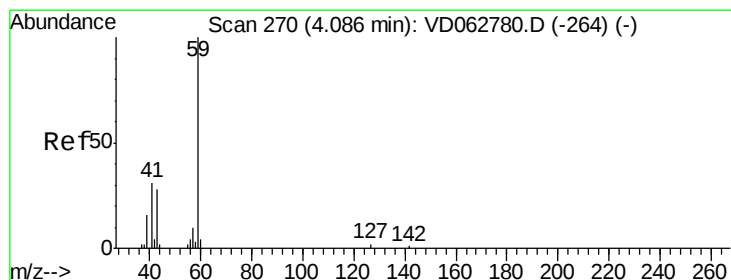
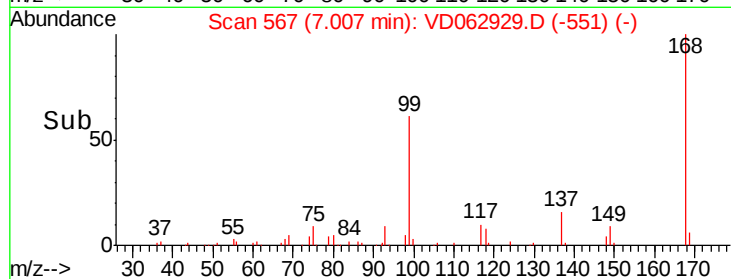
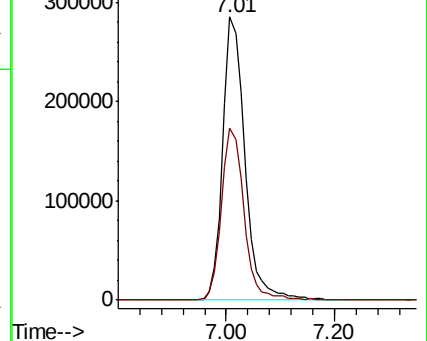
168 100

99 61.0 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 5.553 ug/l

RT: 4.06 min Scan# 268

Delta R.T. -0.02 min

Lab File: VD062929.D

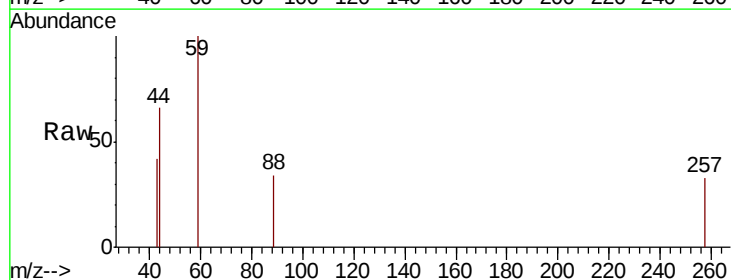
Acq: 27 Jun 2019 14:10

Tgt Ion: 59 Resp: 2227

Ion Ratio Lower Upper

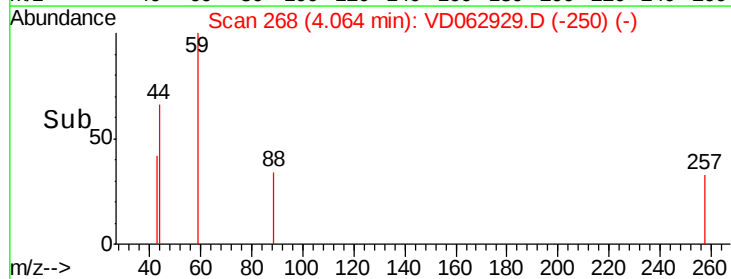
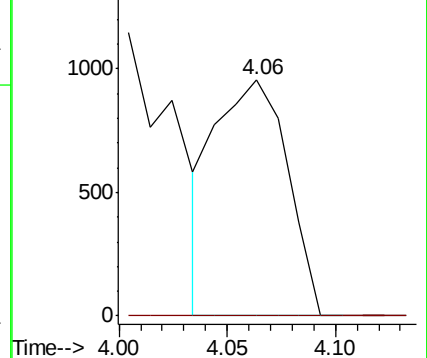
59 100

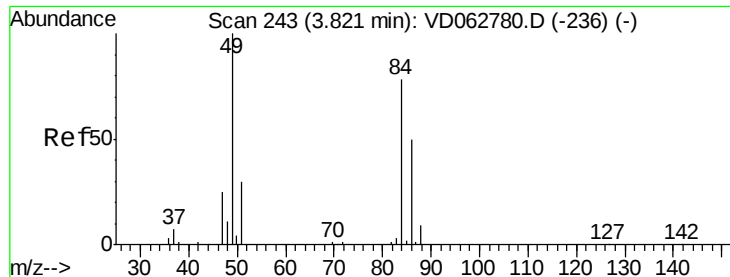
57 0.0 6.6 10.0#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

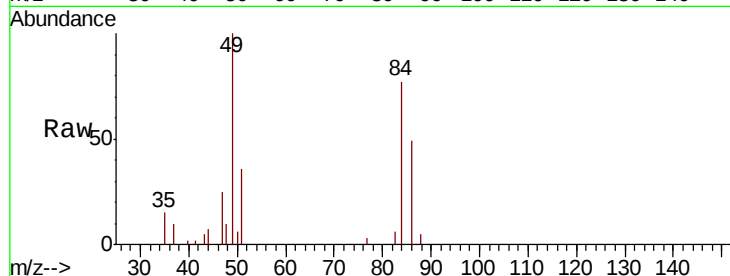




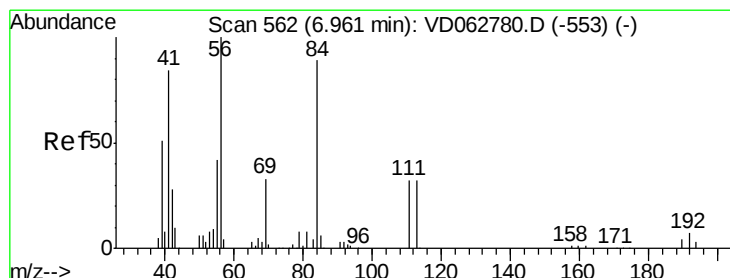
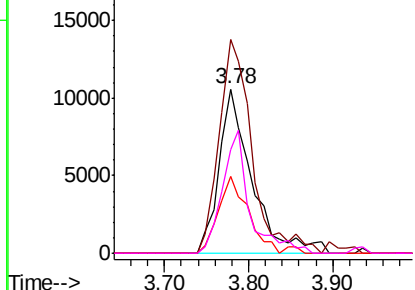
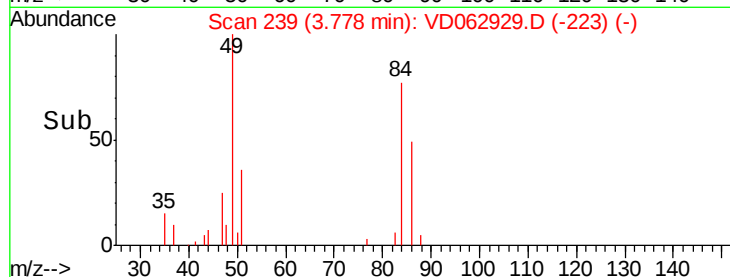
#20
Methvlene Chloride
Concen: 4.249 ug/l
RT: 3.78 min Scan# 239
Delta R.T. -0.04 min
Lab File: VD062929.D
Acq: 27 Jun 2019 14:10

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 28531
Ion Ratio Lower Upper
84 100
49 130.2 102.9 154.3
51 46.7 31.2 46.8
86 63.2 51.4 77.2

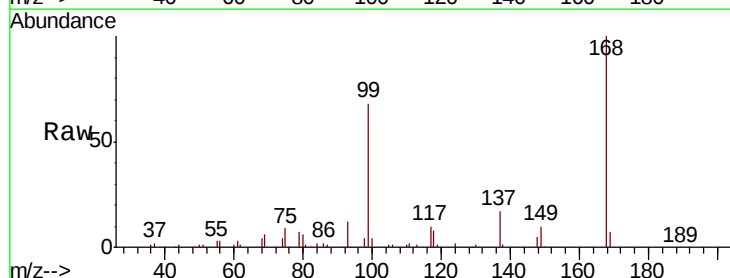


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

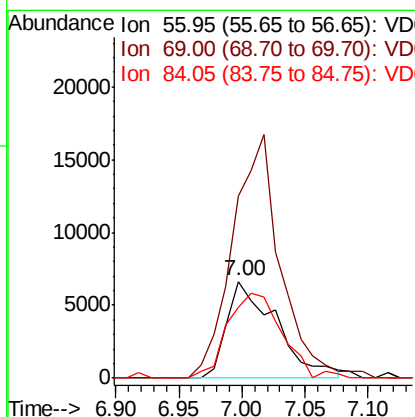
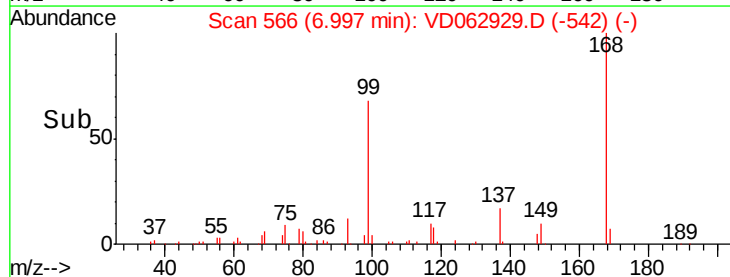


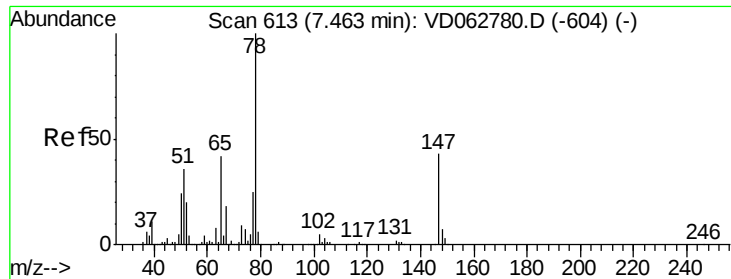
#31
Cyclohexane
Concen: 2.189 ug/l
RT: 7.00 min Scan# 566
Delta R.T. 0.04 min
Lab File: VD062929.D
Acq: 27 Jun 2019 14:10

Tgt Ion: 56 Resp: 18102
Ion Ratio Lower Upper
56 100
69 188.8 26.6 39.8#
84 72.8 75.5 113.3#



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: 51.018 ug/l

RT: 7.42 min Scan# 609

Delta R.T. -0.04 min

Lab File: VD062929.D

Acq: 27 Jun 2019 14:10

Instrument :

MSVOA_D

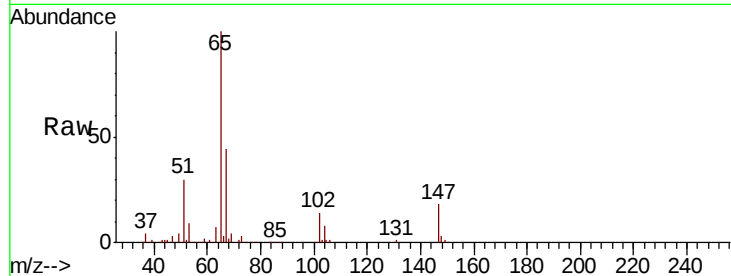
ClientSampleId :

Tot Ion: 65 Resp: 449229

Ion Ratio Lower Upper

65 100

67 43.7 0.0 87.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

200000

150000

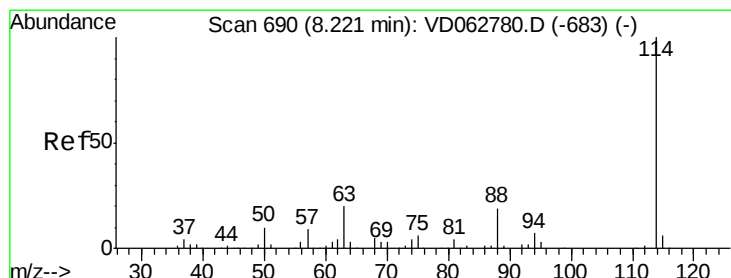
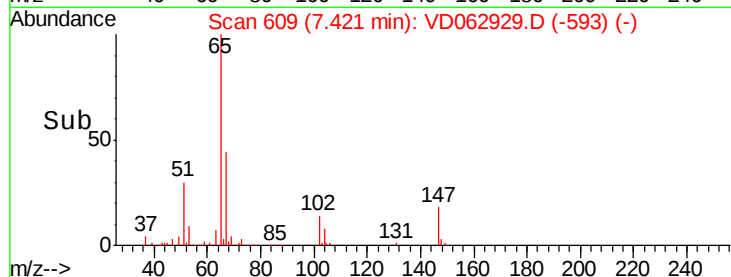
100000

50000

0

7.30 7.40 7.50 7.60

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.19 min Scan# 687

Delta R.T. -0.03 min

Lab File: VD062929.D

Acq: 27 Jun 2019 14:10

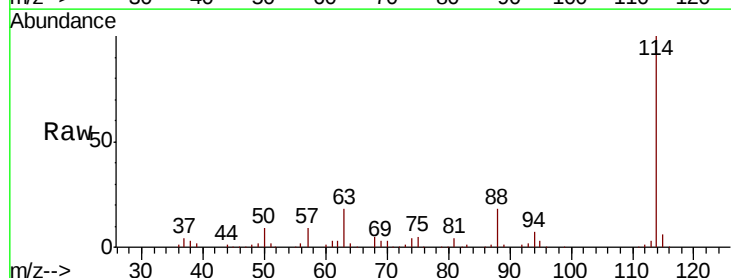
Tgt Ion: 114 Resp: 1188472

Ion Ratio Lower Upper

114 100

63 18.4 0.0 40.0

88 18.2 0.0 38.8



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

600000

500000

400000

300000

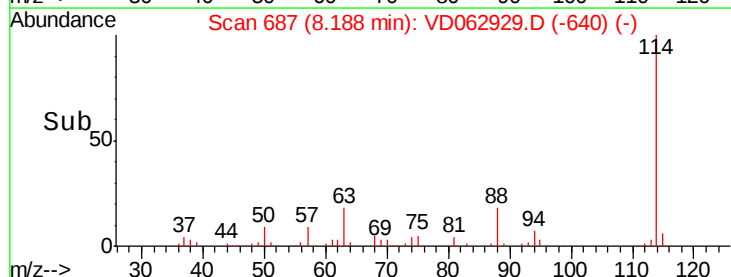
200000

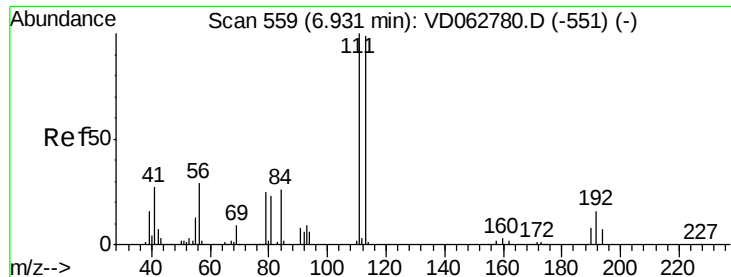
100000

0

8.00 8.20 8.40

Time-->

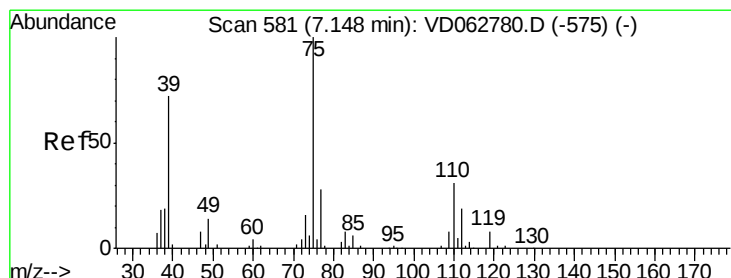
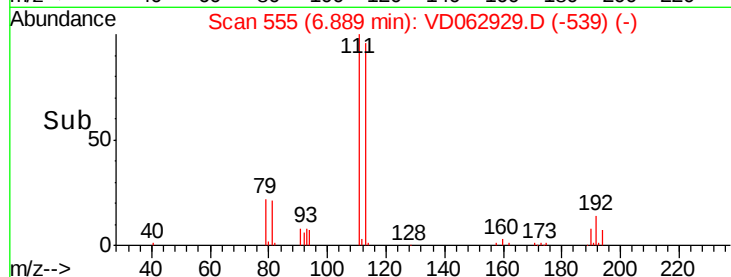
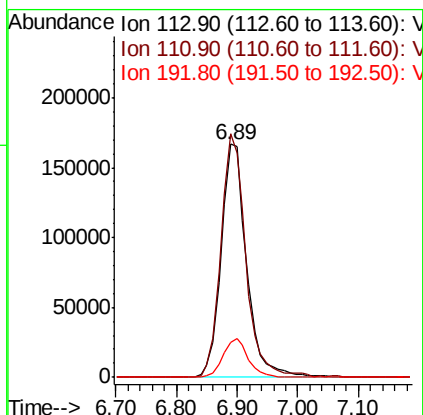
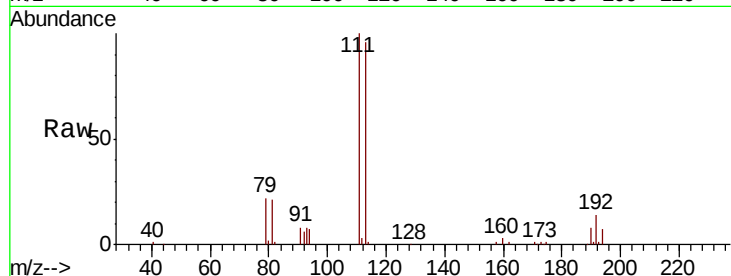




#35
 Dibromofluoromethane
 Concen: 48.612 ug/l
 RT: 6.89 min Scan# 555
 Delta R.T. -0.04 min
 Lab File: VD062929.D
 Acq: 27 Jun 2019 14:10

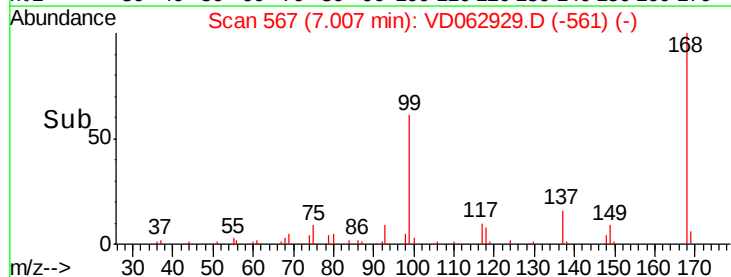
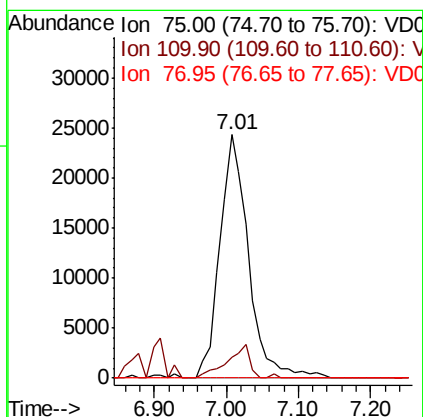
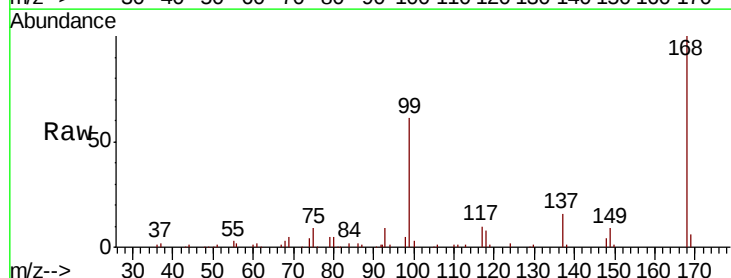
Instrument :
 MSVOA_D
 ClientSampleId :

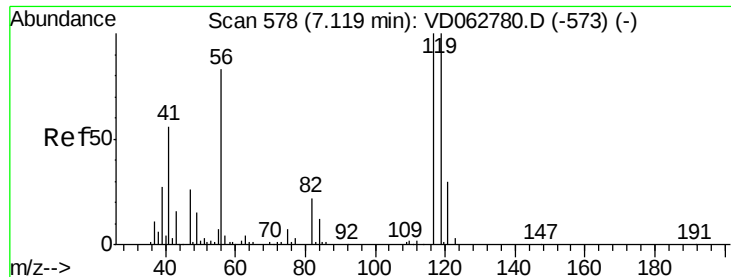
Tot Ion:113 Resp: 487146
 Ion Ratio Lower Upper
 113 100
 111 104.4 81.2 121.8
 192 14.8 12.9 19.3



#36
 1,1-Dichloropropene
 Concen: 5.940 ug/l
 RT: 7.01 min Scan# 567
 Delta R.T. -0.14 min
 Lab File: VD062929.D
 Acq: 27 Jun 2019 14:10

Tgt Ion: 75 Resp: 66830
 Ion Ratio Lower Upper
 75 100
 110 8.3 15.0 45.1#
 77 0.0 22.2 33.2#





#38

Carbon Tetrachloride

Concen: 4.727 ug/l

RT: 7.01 min Scan# 567

Delta R.T. -0.11 min

Lab File: VD062929.D

Acq: 27 Jun 2019 14:10

Instrument :

MSVOA_D

ClientSampleId :

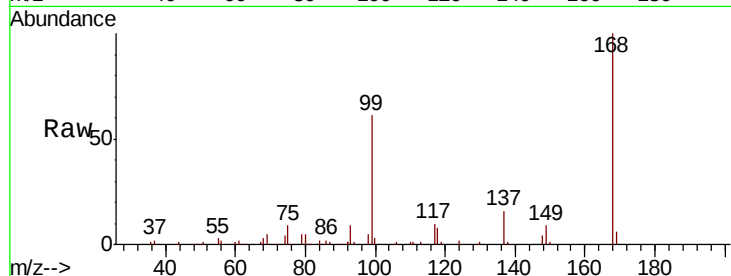
Tot Ion:117 Resp: 79981

Ion Ratio Lower Upper

117 100

119 6.6 75.4 113.2#

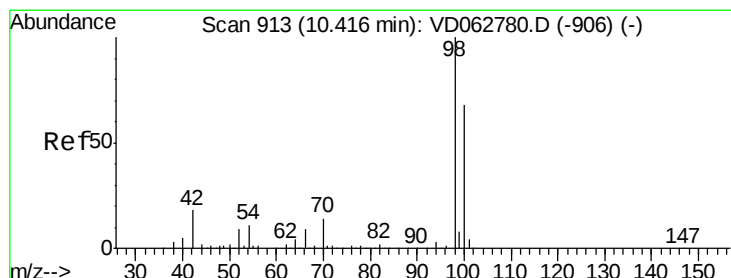
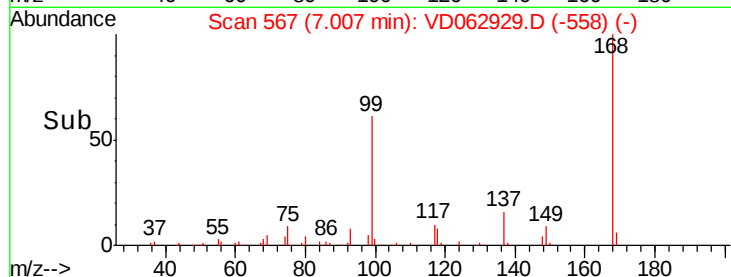
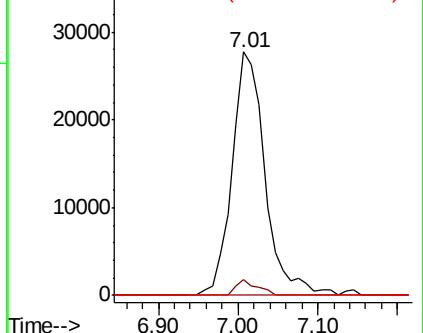
121 0.0 22.3 33.5#



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: 46.186 ug/l

RT: 10.38 min Scan# 910

Delta R.T. -0.03 min

Lab File: VD062929.D

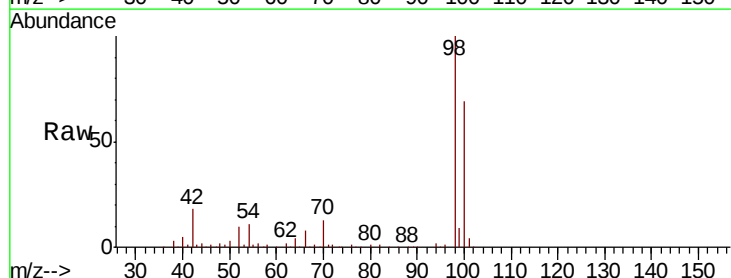
Acq: 27 Jun 2019 14:10

Tgt Ion: 98 Resp: 1007356

Ion Ratio Lower Upper

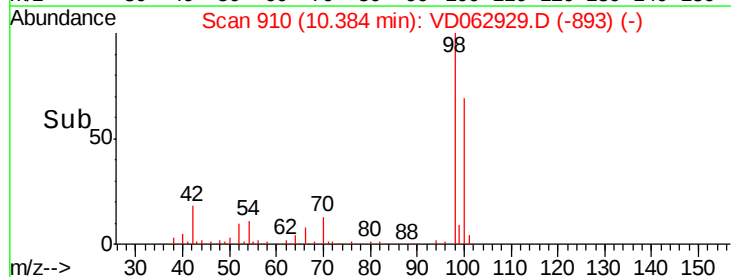
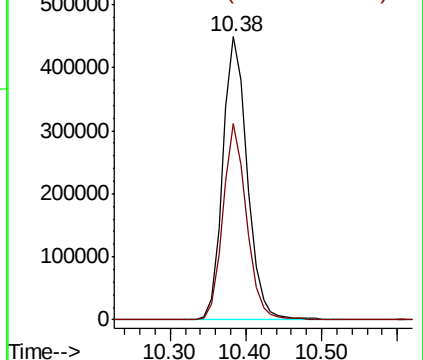
98 100

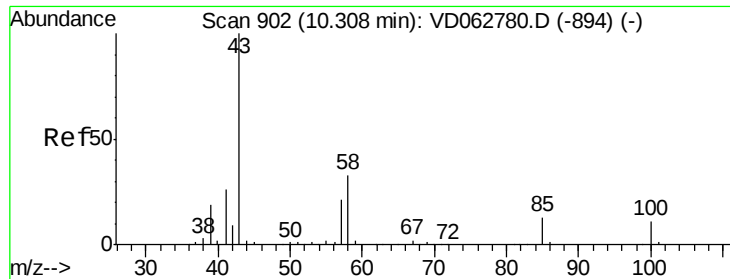
100 69.3 54.7 82.1



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#51

4-Methyl-2-Pentanone

Concen: 1.471 ug/l

RT: 10.28 min Scan# 899

Delta R.T. -0.03 min

Lab File: VD062929.D

Acq: 27 Jun 2019 14:10

Instrument :

MSVOA_D

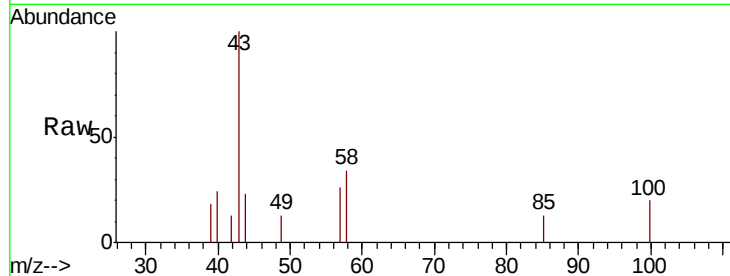
ClientSampled :

Tot Ion: 43 Resp: 6152

Ion Ratio Lower Upper

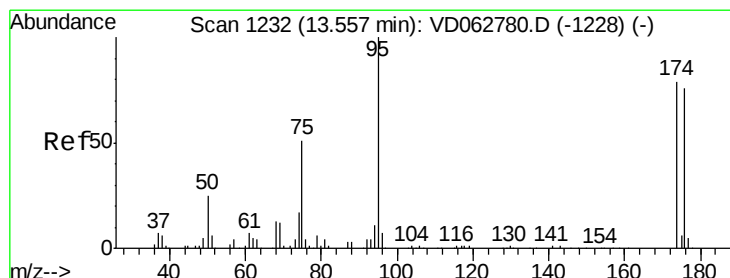
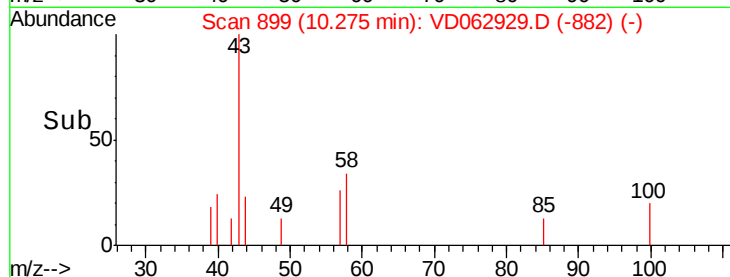
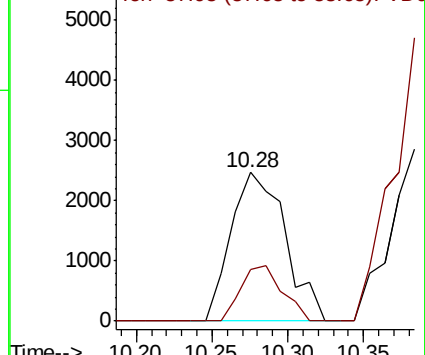
43 100

58 34.5 26.6 40.0



Abundance Ion 42.95 (42.65 to 43.65): VD062780.D (-894) (-)

Ion 57.95 (57.65 to 58.65): VD062780.D (-894) (-)



#62

4-Bromofluorobenzene

Concen: 49.523 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD062929.D

Acq: 27 Jun 2019 14:10

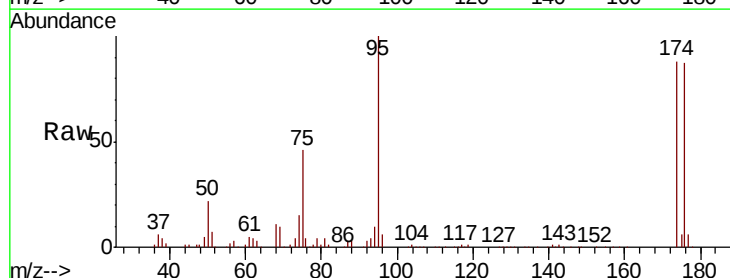
Tgt Ion: 95 Resp: 491140

Ion Ratio Lower Upper

95 100

174 87.7 0.0 158.0

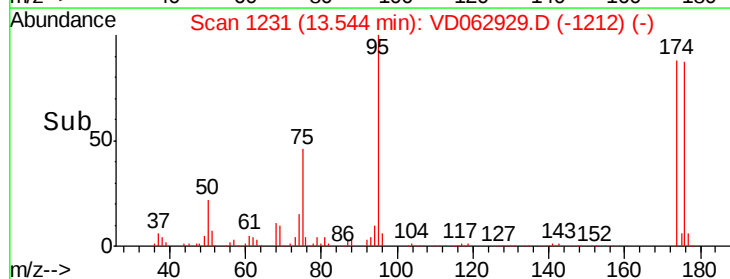
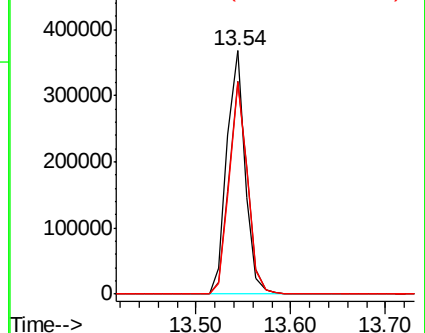
176 86.7 0.0 151.6

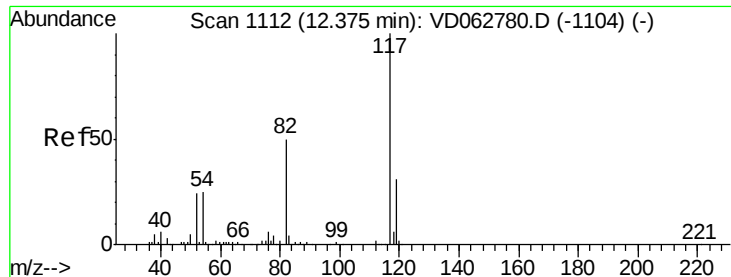


Abundance Ion 95.00 (94.70 to 95.70): VD062780.D (-1228) (-)

Ion 173.90 (173.60 to 174.60): VD062780.D (-1228) (-)

Ion 175.90 (175.60 to 176.60): VD062780.D (-1228) (-)

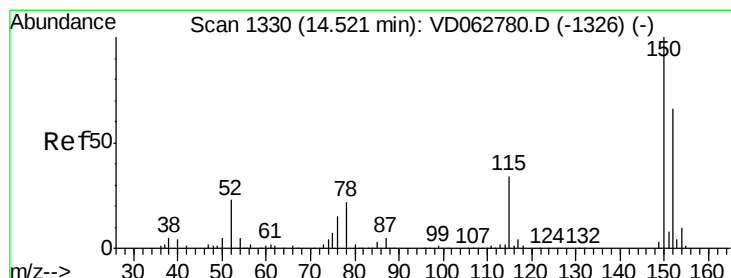
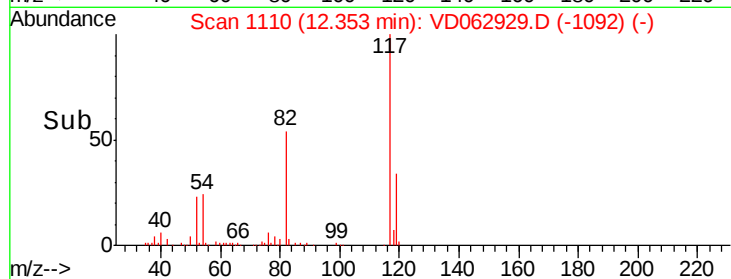
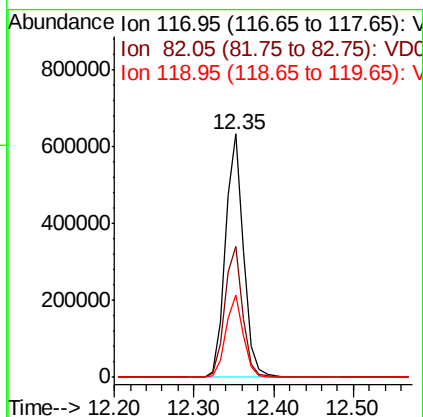
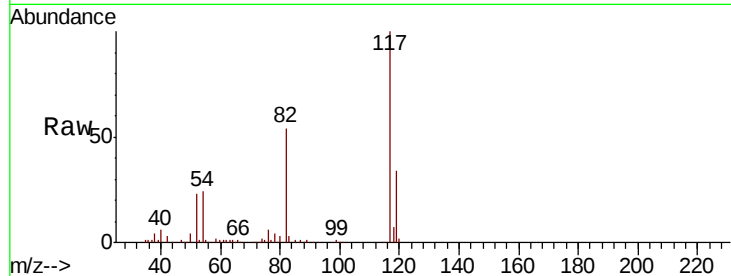




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.02 min
Lab File: VD062929.D
Acq: 27 Jun 2019 14:10

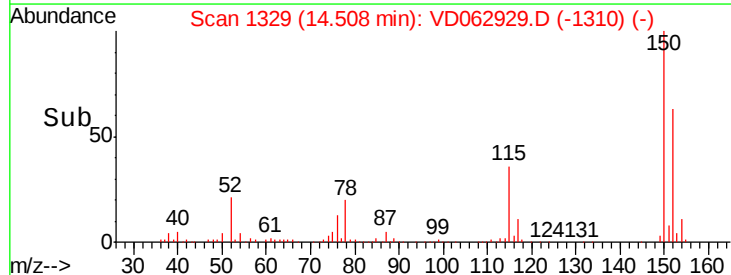
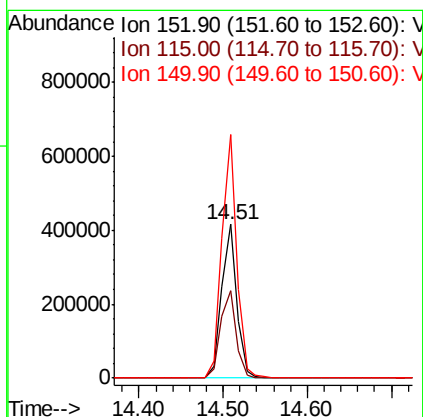
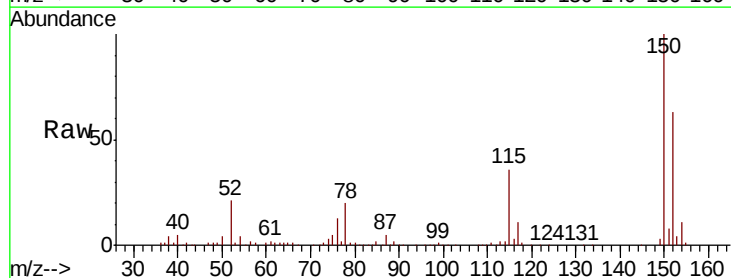
Instrument :
MSVOA_D
ClientSampleId :

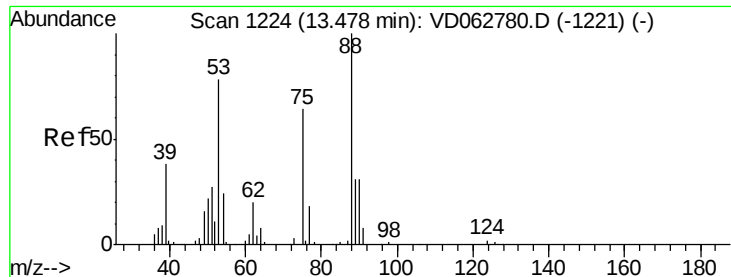
Tot Ion:117 Resp: 1013659
Ion Ratio Lower Upper
117 100
82 53.5 40.4 60.6
119 33.7 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD062929.D
Acq: 27 Jun 2019 14:10

Tgt Ion:152 Resp: 518239
Ion Ratio Lower Upper
152 100
115 56.9 29.2 87.6
150 158.6 0.0 305.8





#81

trans-1,4-Dichloro-2-butene

Concen: 148.414 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. 0.07 min

Lab File: VD062929.D

Acq: 27 Jun 2019 14:10

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 232709

Ion Ratio Lower Upper

75 100

53 0.0 97.8 146.8#

89 0.0 39.4 59.2#

