

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062719\
 Data File : VD062938.D
 Acq On : 27 Jun 2019 18:17
 Operator : VA/AP
 Sample : K3533-02RE
 Misc : 7.25g/5ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 28 02:22:14 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	7.02	168	520101	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.19	114	631393	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.35	117	296705	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.51	152	100210	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.42	65	279052	49.36	ug/l	-0.04
Spiked Amount			Recovery	=	98.72%	
35) Dibromofluoromethane	6.90	113	301376	56.61	ug/l	-0.03
Spiked Amount			Recovery	=	113.22%	
50) Toluene-d8	10.39	98	306087	26.42	ug/l	-0.03
Spiked Amount			Recovery	=	52.84%	
62) 4-Bromofluorobenzene	13.55	95	136699	25.95	ug/l	-0.01
Spiked Amount			Recovery	=	51.90%	

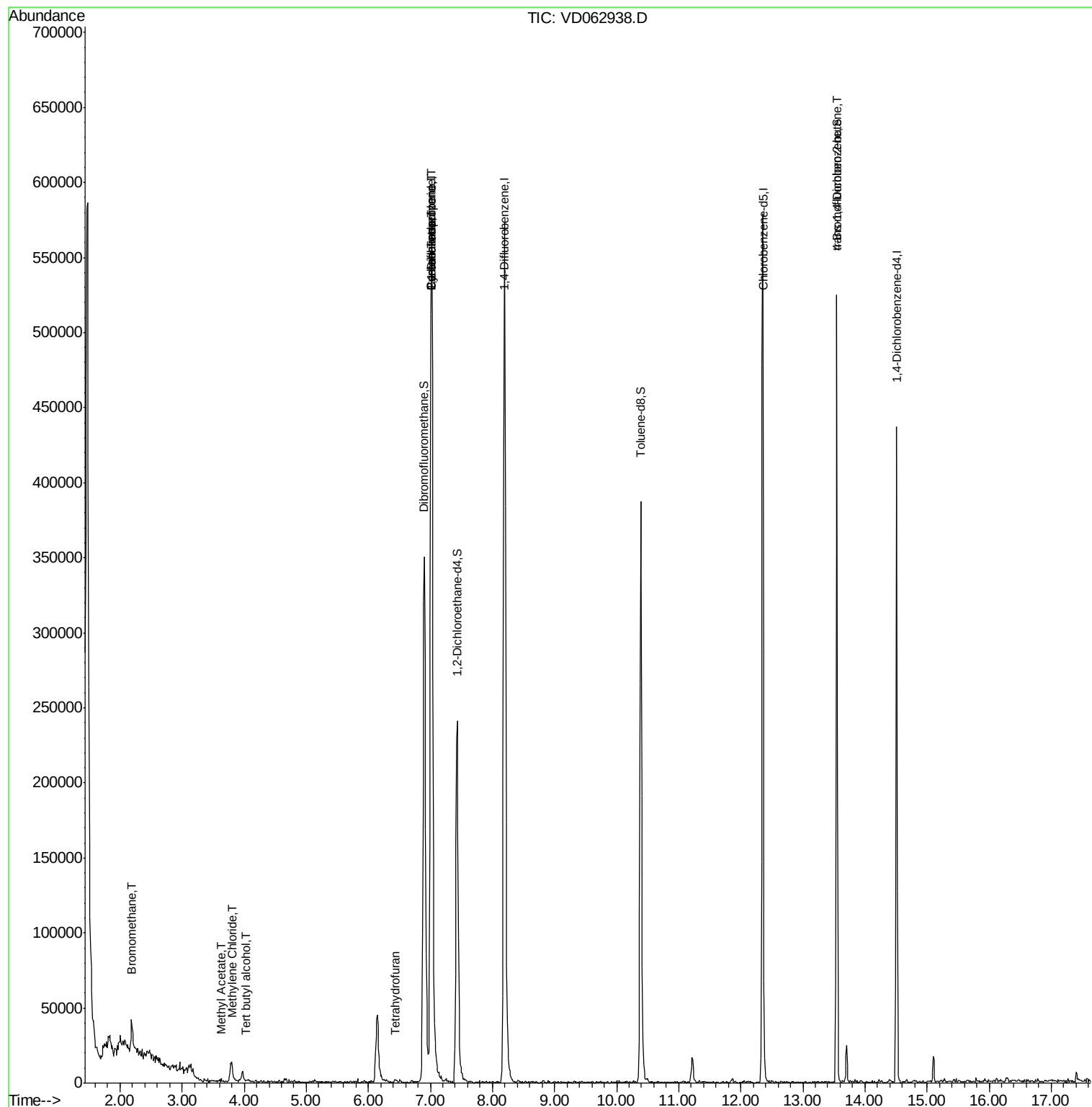
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.19	94	2479	1.055	ug/l #	13
11) Tert butyl alcohol	4.04	59	692	2.688	ug/l #	77
16) Acetone	3.19	43	2326	Below Cal	#	64
18) Methyl Acetate	3.62	43	2266	1.328	ug/l #	58
20) Methylene Chloride	3.79	84	7130	1.654	ug/l #	93
29) Tetrahydrofuran	6.42	42	1690	3.378	ug/l #	43
31) Cyclohexane	7.02	56	13438	2.531	ug/l #	2
36) 1,1-Dichloropropene	7.01	75	40931	6.848	ug/l #	57
38) Carbon Tetrachloride	7.02	117	53910	5.997	ug/l #	13
81) trans-1,4-Dichloro-2-buten	13.55	75	67037	221.103	ug/l #	2

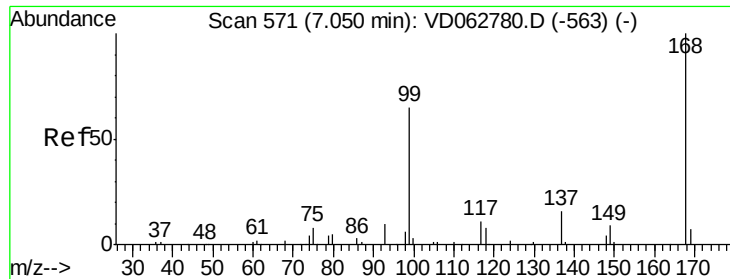
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062719\
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MSVOA_D
ClientSampleId :

Quant Time: Jun 28 02:22:14 2019
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: 7.02 min Scan# 568

Delta R.T. -0.03 min

Lab File: VD062938.D

Acq: 27 Jun 2019 18:17

Instrument :

MSVOA_D

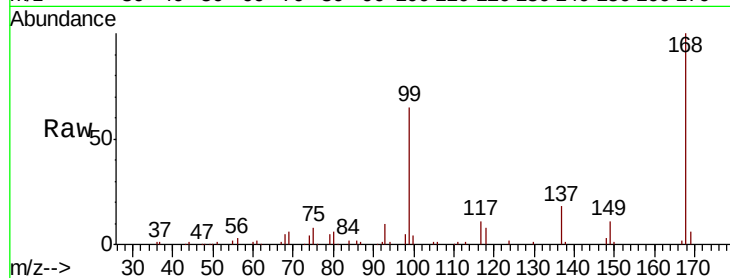
ClientSampleId :

Tot Ion:168 Resp: 520101

Ion Ratio Lower Upper

168 100

99 65.4 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.02

200000

150000

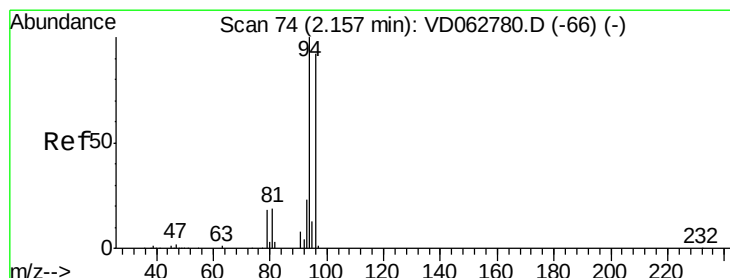
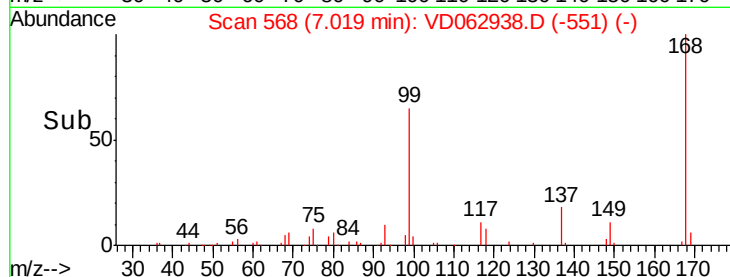
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#5

Bromomethane

Concen: 1.055 ug/l

RT: 2.19 min Scan# 77

Delta R.T. 0.03 min

Lab File: VD062938.D

Acq: 27 Jun 2019 18:17

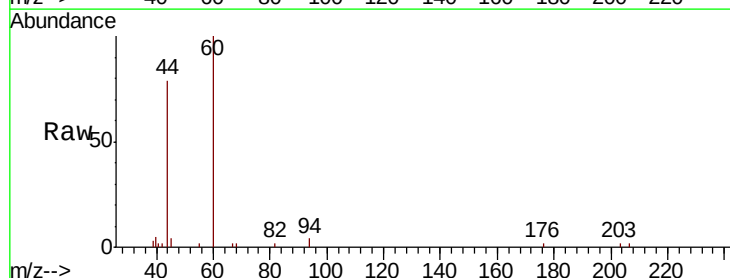
Tgt Ion: 94 Resp: 2479

Ion Ratio Lower Upper

94 100

96 0.0 73.4 110.2#

93 0.0 18.2 27.4#



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC

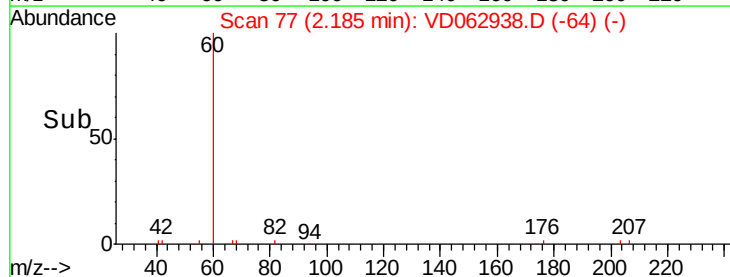
1000

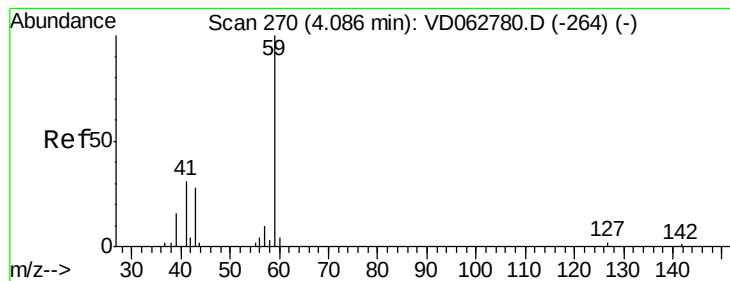
500

0

2.10 2.15 2.20

Time-->



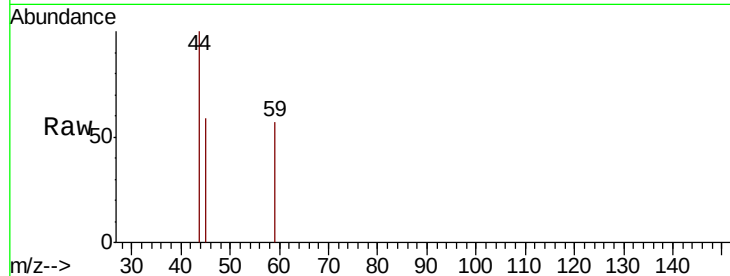


#11

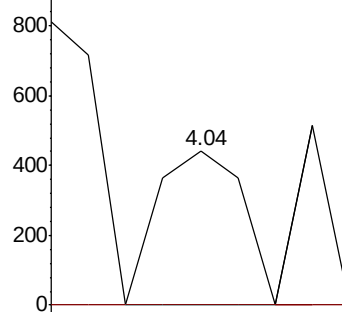
Tert butyl alcohol
 Concen: 2.688 ug/l
 RT: 4.04 min Scan# 265
 Delta R.T. -0.05 min
 Lab File: VD062938.D
 Acq: 27 Jun 2019 18:17

Instrument :
 MSVOA_D
 ClientSampleId :

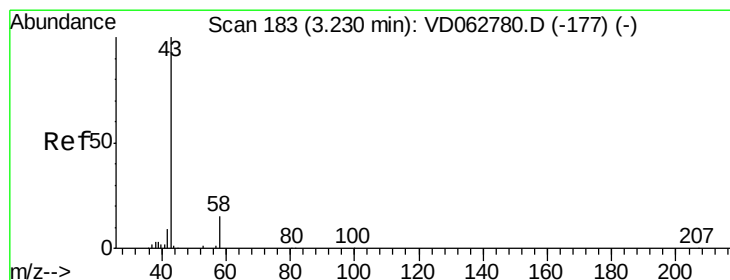
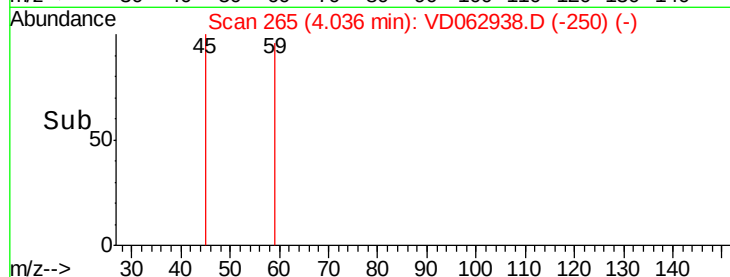
Tot Ion: 59 Resp: 692
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.6 10.0#



Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



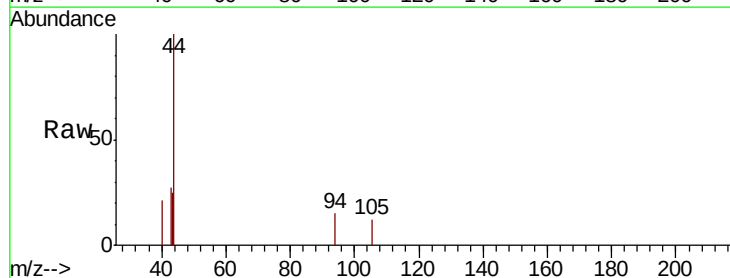
Time-->



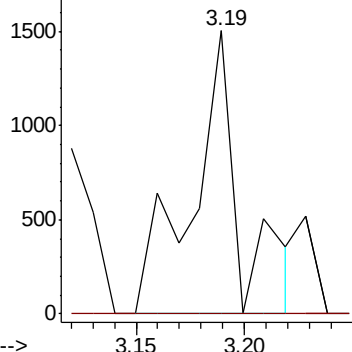
#16

Acetone
 Concen: Below Cal
 RT: 3.19 min Scan# 179
 Delta R.T. -0.04 min
 Lab File: VD062938.D
 Acq: 27 Jun 2019 18:17

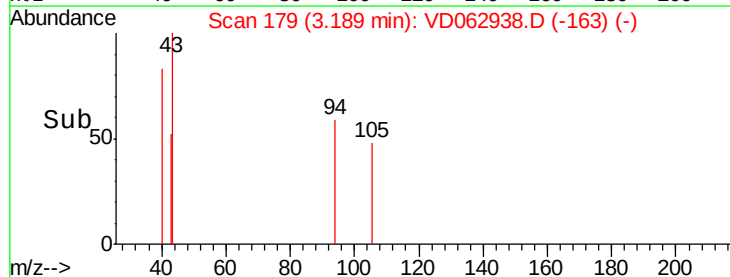
Tgt Ion: 43 Resp: 2326
 Ion Ratio Lower Upper
 43 100
 58 0.0 11.9 17.9#

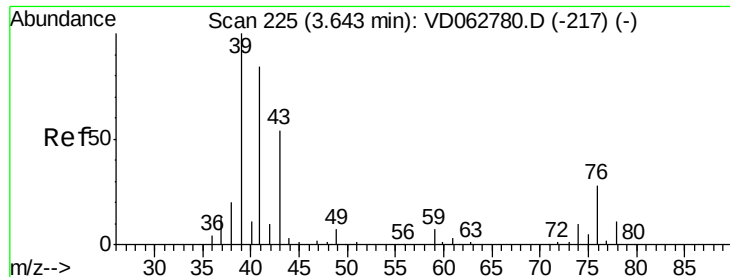


Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 57.95 (57.65 to 58.65): VDC



Time-->

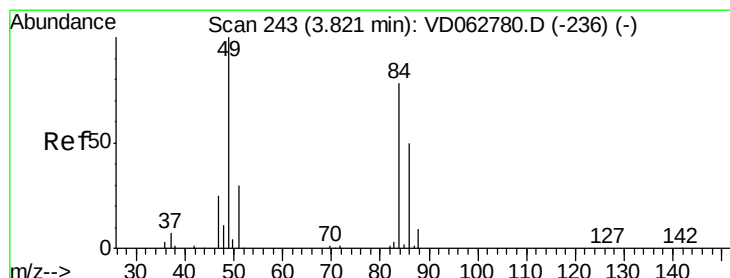
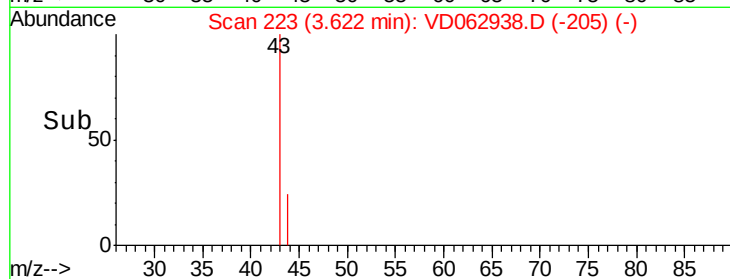
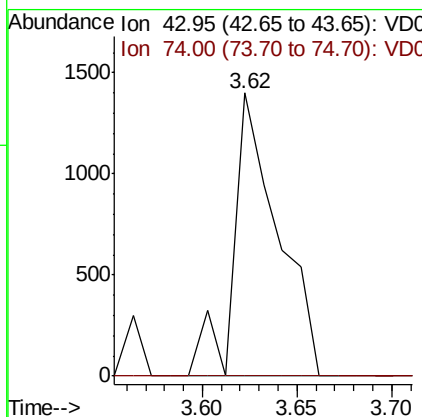
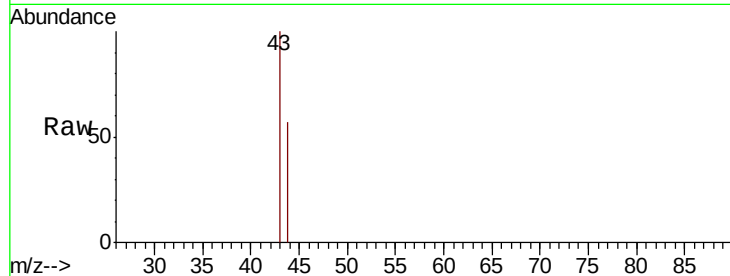




#18
Methyl Acetate
Concen: 1.328 ug/l
RT: 3.62 min Scan# 223
Delta R.T. -0.02 min
Lab File: VD062938.D
Acq: 27 Jun 2019 18:17

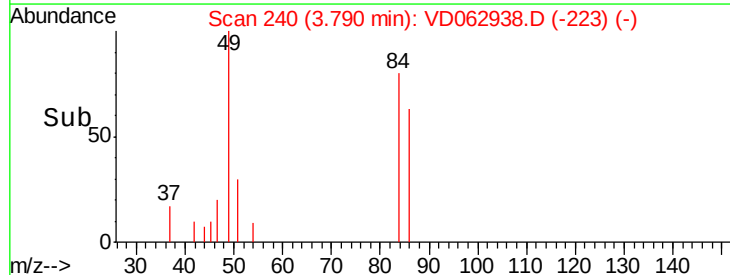
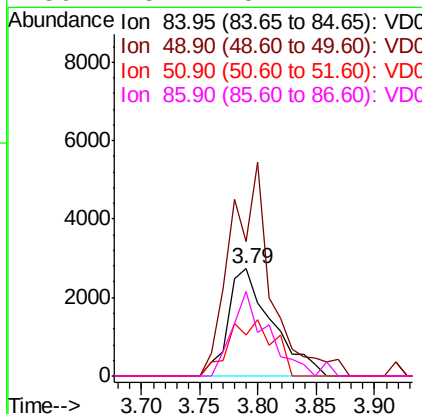
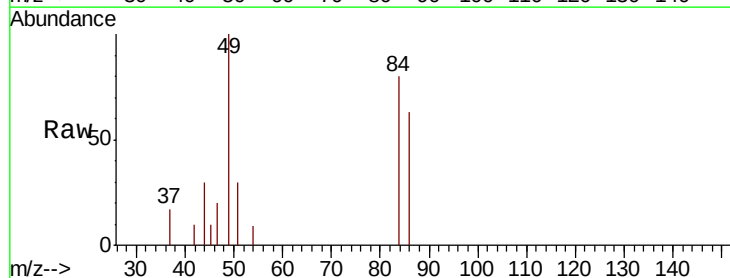
Instrument :
MSVOA_D
ClientSampleId :

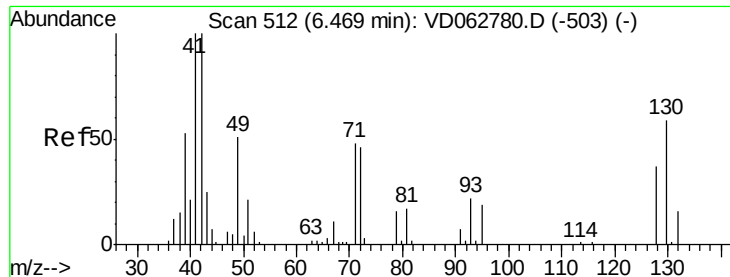
Tot Ion: 43 Resp: 2266
Ion Ratio Lower Upper
43 100
74 0.0 15.2 22.8#



#20
Methylene Chloride
Concen: 1.654 ug/l
RT: 3.79 min Scan# 240
Delta R.T. -0.03 min
Lab File: VD062938.D
Acq: 27 Jun 2019 18:17

Tgt Ion: 84 Resp: 7130
Ion Ratio Lower Upper
84 100
49 125.0 102.9 154.3
51 38.1 31.2 46.8
86 78.7 51.4 77.2#





#29

Tetrahydrofuran

Concen: 3.378 ug/l

RT: 6.42 min Scan# 507

Delta R.T. -0.05 min

Lab File: VD062938.D

Acq: 27 Jun 2019 18:17

Instrument :

MSVOA_D

ClientSampleId :

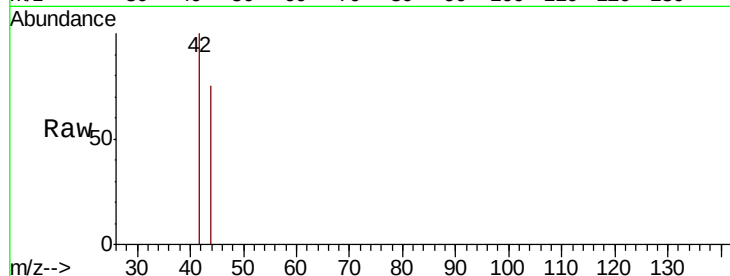
Tot Ion: 42 Resp: 1690

Ion Ratio Lower Upper

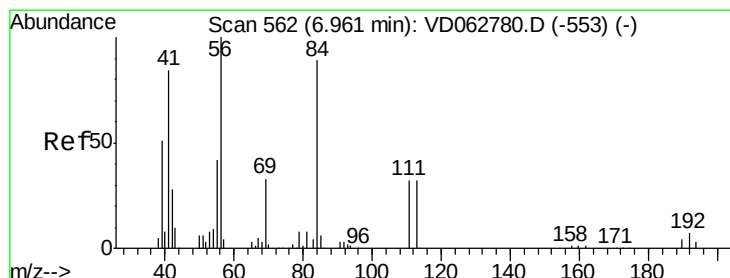
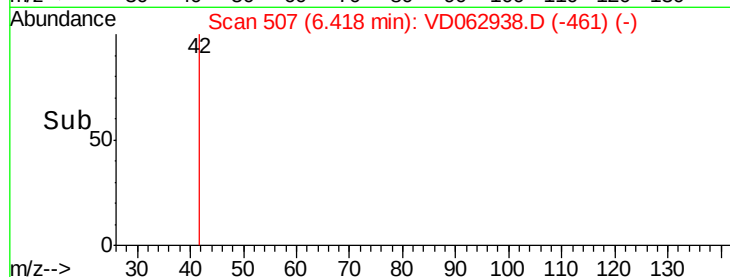
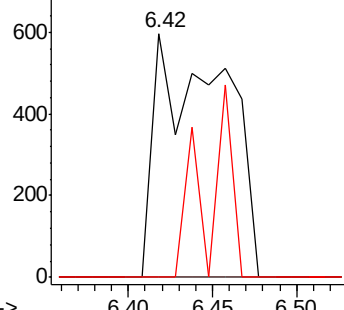
42 100

72 0.0 35.0 52.6#

71 12.8 33.3 49.9#



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#31

Cyclohexane

Concen: 2.531 ug/l

RT: 7.02 min Scan# 568

Delta R.T. 0.06 min

Lab File: VD062938.D

Acq: 27 Jun 2019 18:17

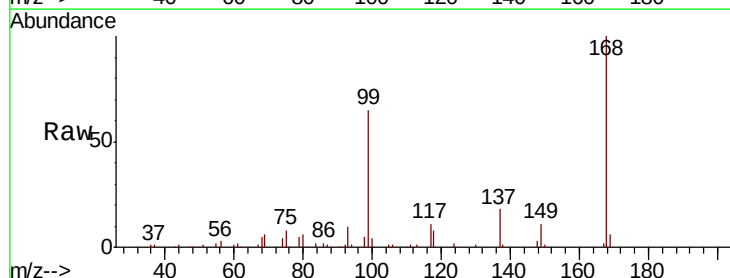
Tgt Ion: 56 Resp: 13438

Ion Ratio Lower Upper

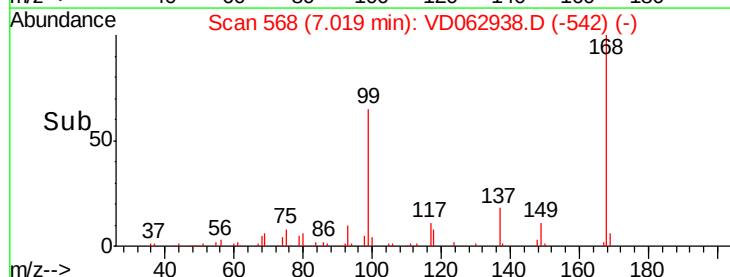
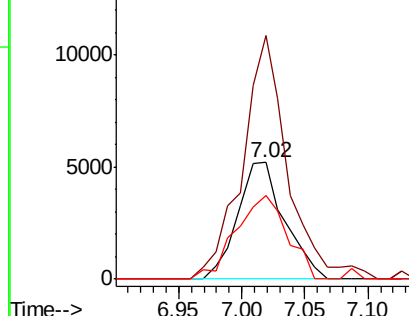
56 100

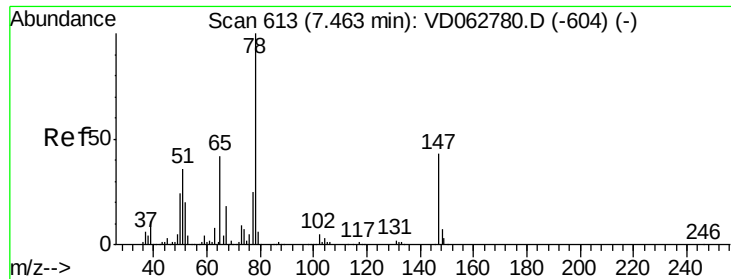
69 209.0 26.6 39.8#

84 71.8 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

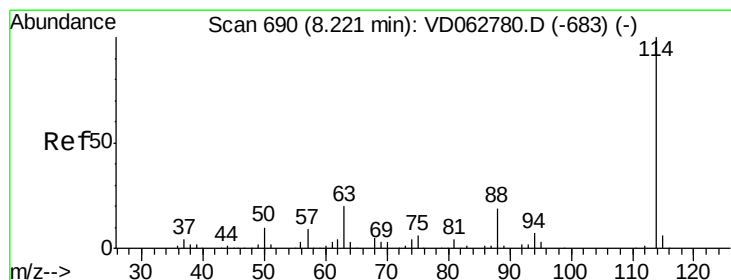
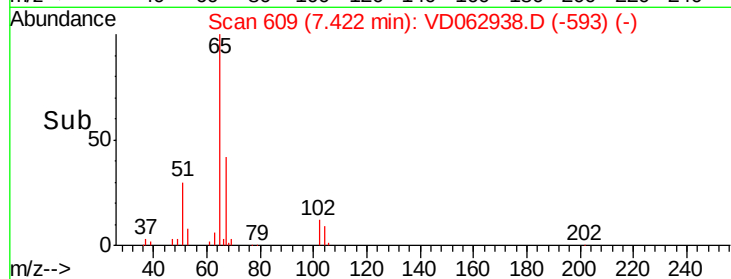
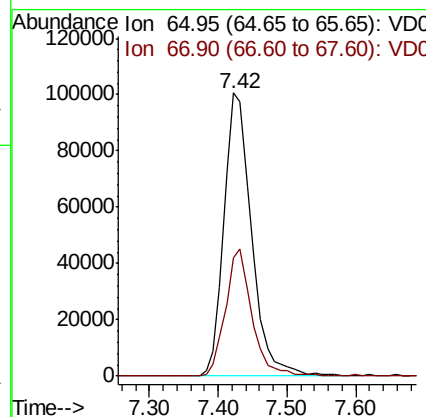
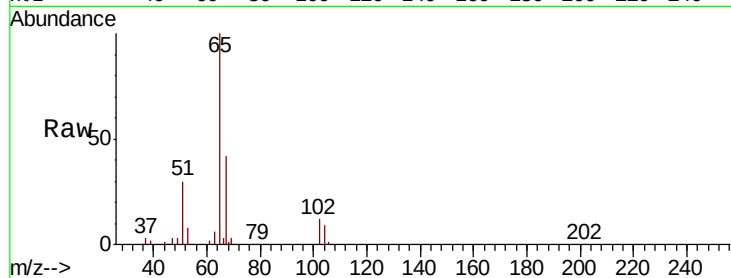




#33
 1,2-Dichloroethane-d4
 Concen: 49.360 ug/l
 RT: 7.42 min Scan# 609
 Delta R.T. -0.04 min
 Lab File: VD062938.D
 Acq: 27 Jun 2019 18:17

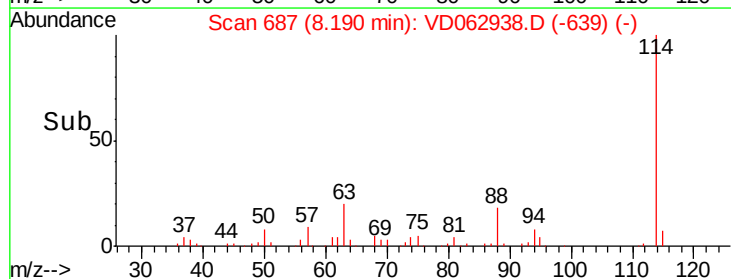
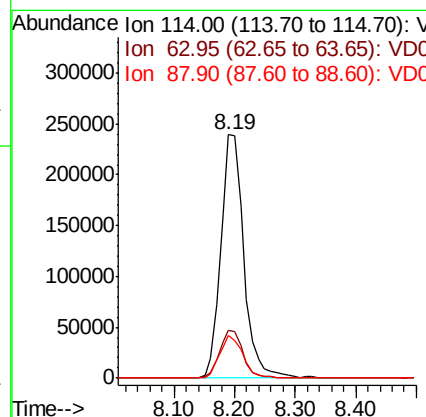
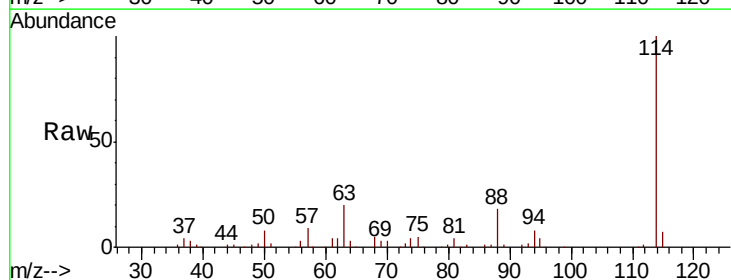
Instrument :
 MSVOA_D
 ClientSampled :

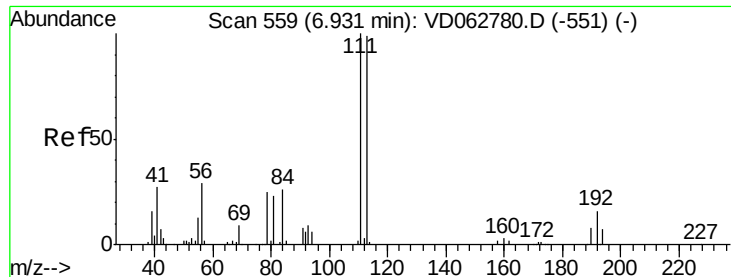
Tot Ion: 65 Resp: 279052
 Ion Ratio Lower Upper
 65 100
 67 41.9 0.0 87.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.19 min Scan# 687
 Delta R.T. -0.03 min
 Lab File: VD062938.D
 Acq: 27 Jun 2019 18:17

Tgt Ion: 114 Resp: 631393
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 40.0
 88 17.5 0.0 38.8

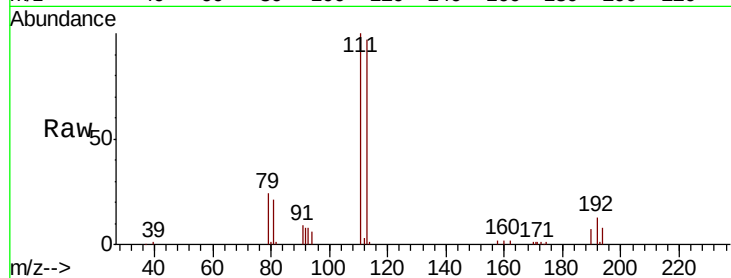




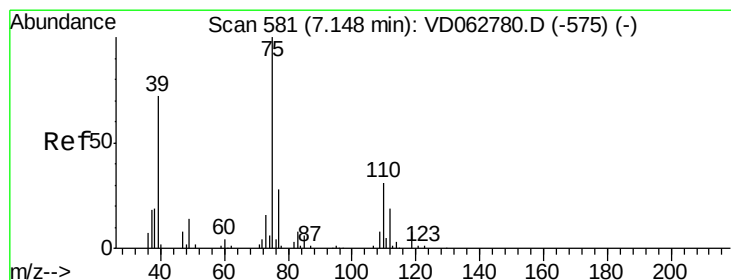
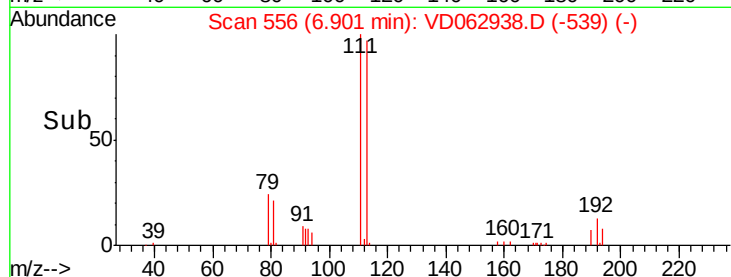
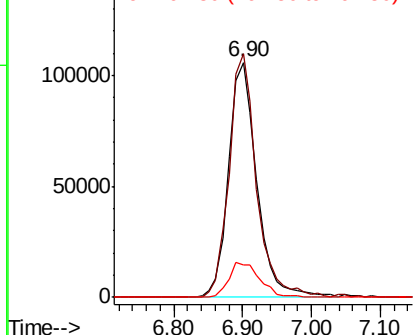
#35
 Dibromofluoromethane
 Concen: 56.608 ug/l
 RT: 6.90 min Scan# 556
 Delta R.T. -0.03 min
 Lab File: VD062938.D
 Acq: 27 Jun 2019 18:17

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.2	121.8
192	13.6	12.9	19.3

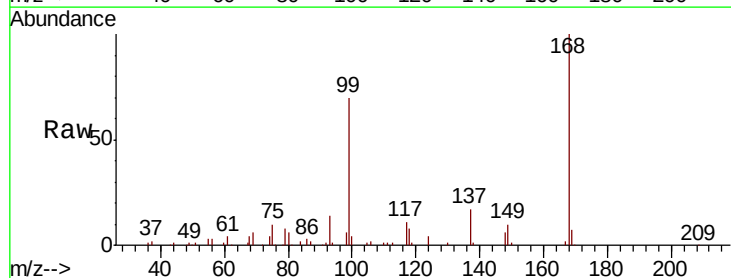


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

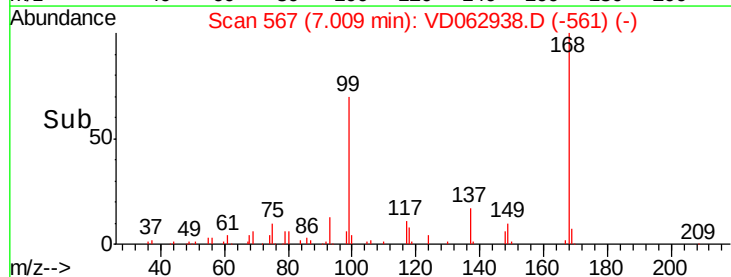
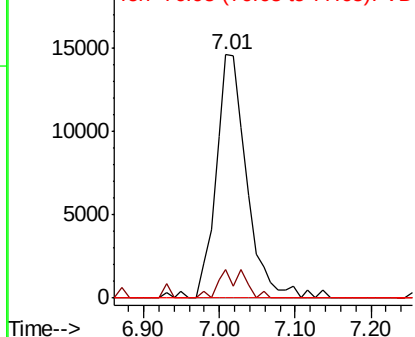


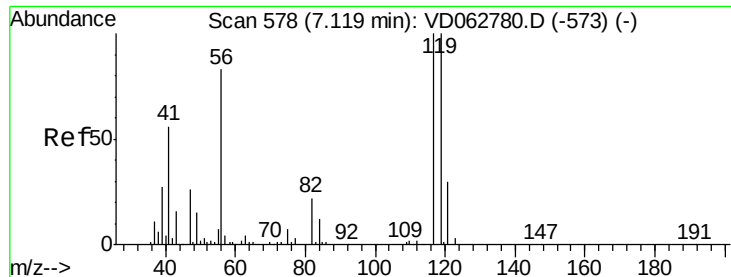
#36
 1,1-Dichloropropene
 Concen: 6.848 ug/l
 RT: 7.01 min Scan# 567
 Delta R.T. -0.14 min
 Lab File: VD062938.D
 Acq: 27 Jun 2019 18:17

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.6	15.0	45.1#
77	0.0	22.2	33.2#



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

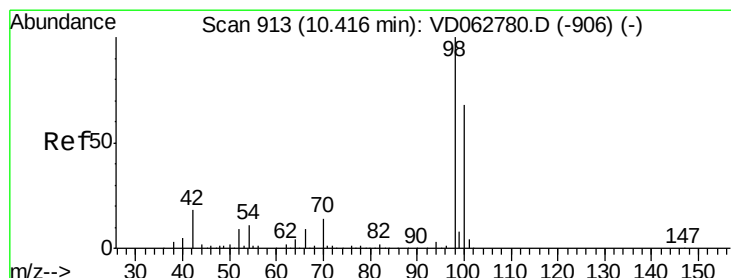
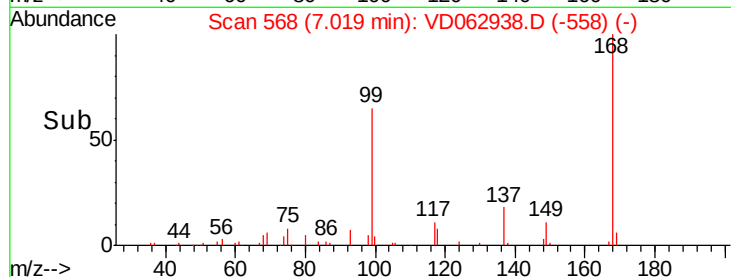
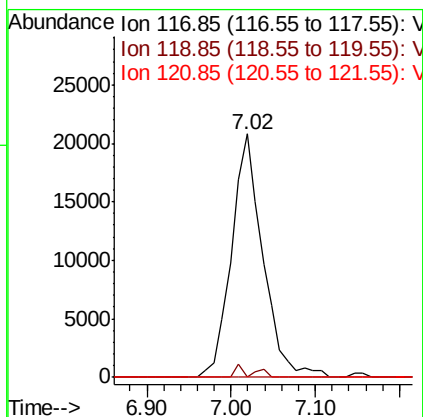
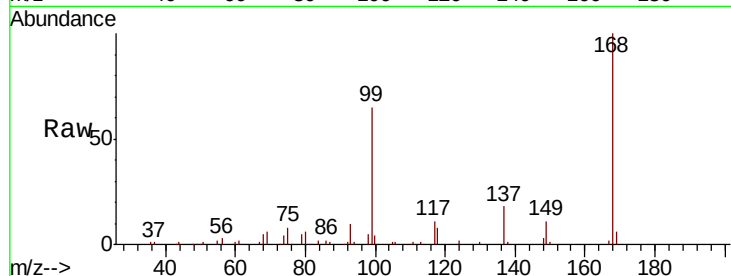




#38
Carbon Tetrachloride
Concen: 5.997 ug/l
RT: 7.02 min Scan# 568
Delta R.T. -0.10 min
Lab File: VD062938.D
Acq: 27 Jun 2019 18:17

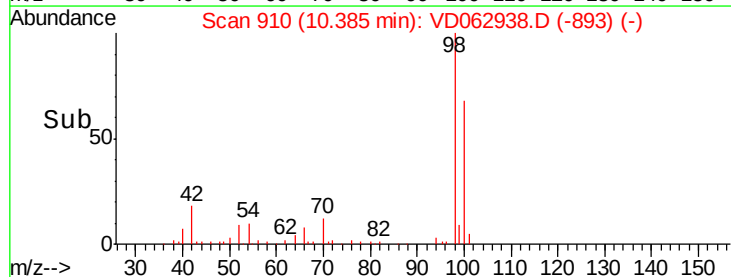
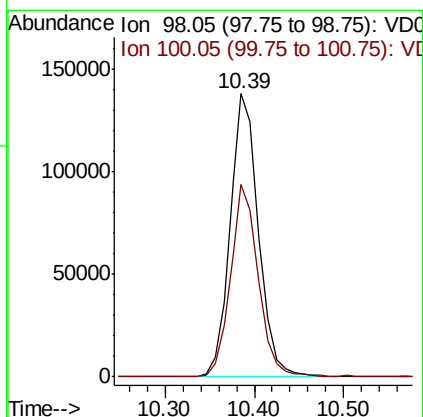
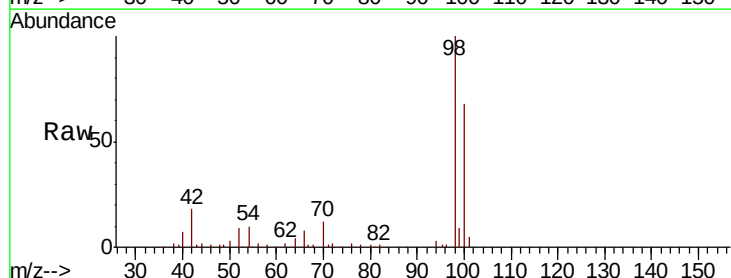
Instrument :
MSVOA_D
ClientSampled :

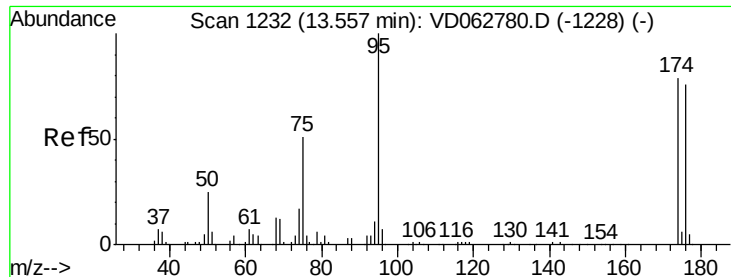
Tot Ion:117 Resp: 53910
Ion Ratio Lower Upper
117 100
119 0.0 75.4 113.2#
121 0.0 22.3 33.5#



#50
Toluene-d8
Concen: 26.416 ug/l
RT: 10.39 min Scan# 910
Delta R.T. -0.03 min
Lab File: VD062938.D
Acq: 27 Jun 2019 18:17

Tgt Ion: 98 Resp: 306087
Ion Ratio Lower Upper
98 100
100 68.0 54.7 82.1





#62

4-Bromofluorobenzene

Concen: 25.945 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD062938.D

Acq: 27 Jun 2019 18:17

Instrument :

MSVOA_D

ClientSampleId :

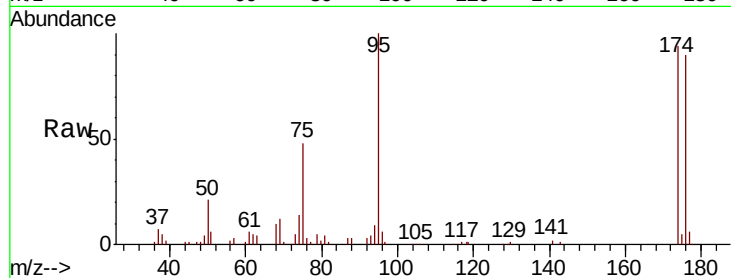
Tot Ion: 95 Resp: 136699

Ion Ratio Lower Upper

95 100

174 94.4 0.0 158.0

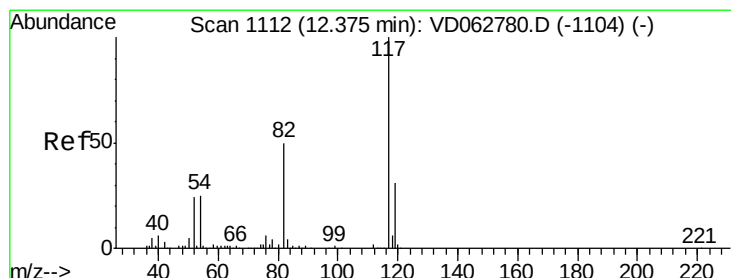
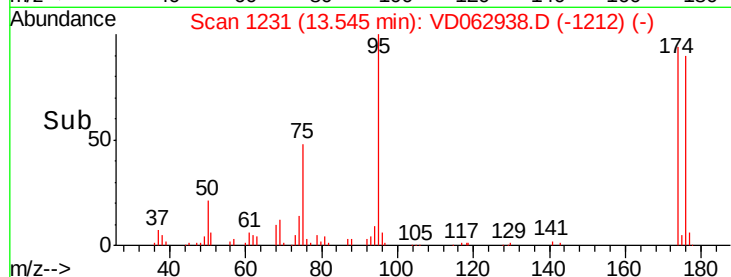
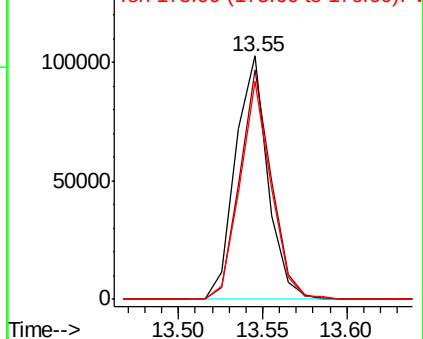
176 89.7 0.0 151.6



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: 12.35 min Scan# 1110

Delta R.T. -0.02 min

Lab File: VD062938.D

Acq: 27 Jun 2019 18:17

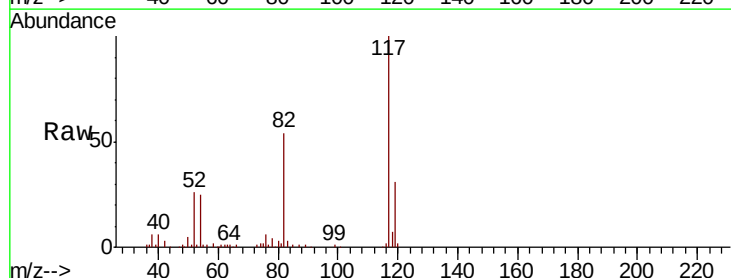
Tgt Ion: 117 Resp: 296705

Ion Ratio Lower Upper

117 100

82 54.4 40.4 60.6

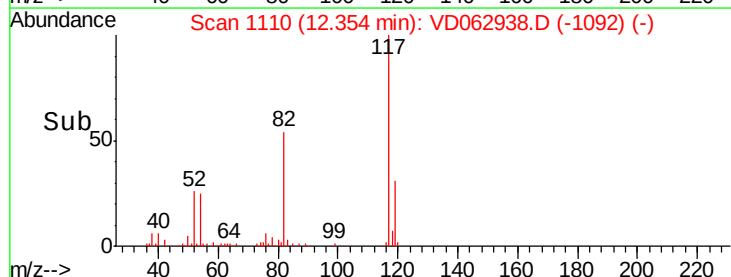
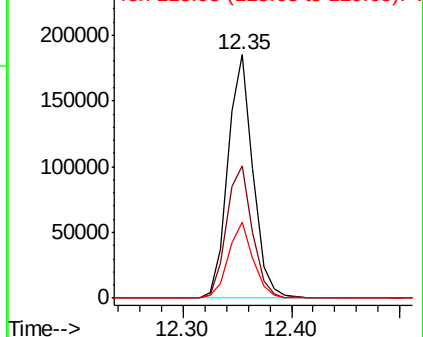
119 31.4 25.2 37.8

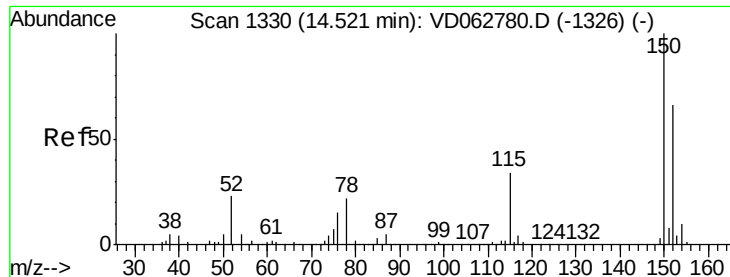


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



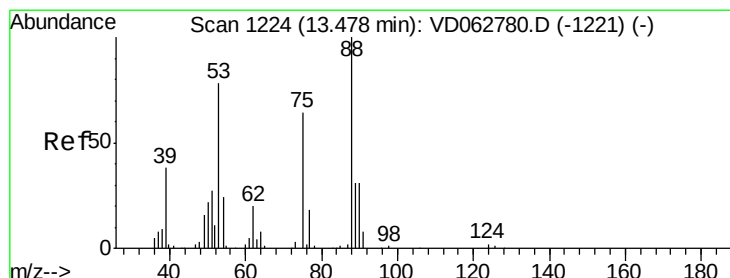
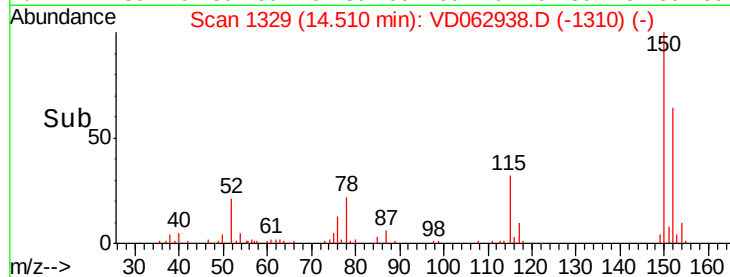
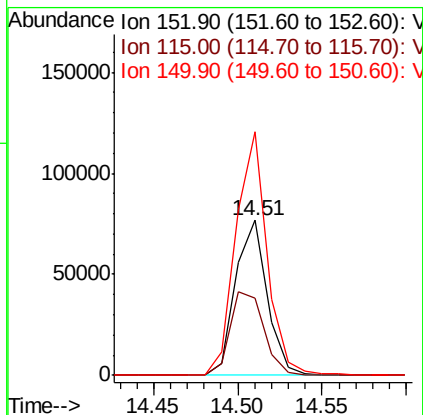
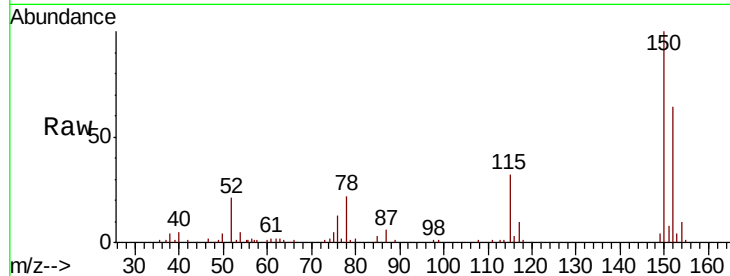


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD062938.D
Acq: 27 Jun 2019 18:17

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	50.0	29.2	87.6
150	157.3	0.0	305.8



#81

trans-1,4-Dichloro-2-butene
Concen: 221.103 ug/l
RT: 13.55 min Scan# 1231
Delta R.T. 0.07 min
Lab File: VD062938.D
Acq: 27 Jun 2019 18:17

Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	97.8	146.8#
89	0.0	39.4	59.2#

