

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062719\
 Data File : VD062933.D
 Acq On : 27 Jun 2019 16:00
 Operator : VA/AP
 Sample : K3534-02RE
 Misc : 5.44g/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 28 02:21:24 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

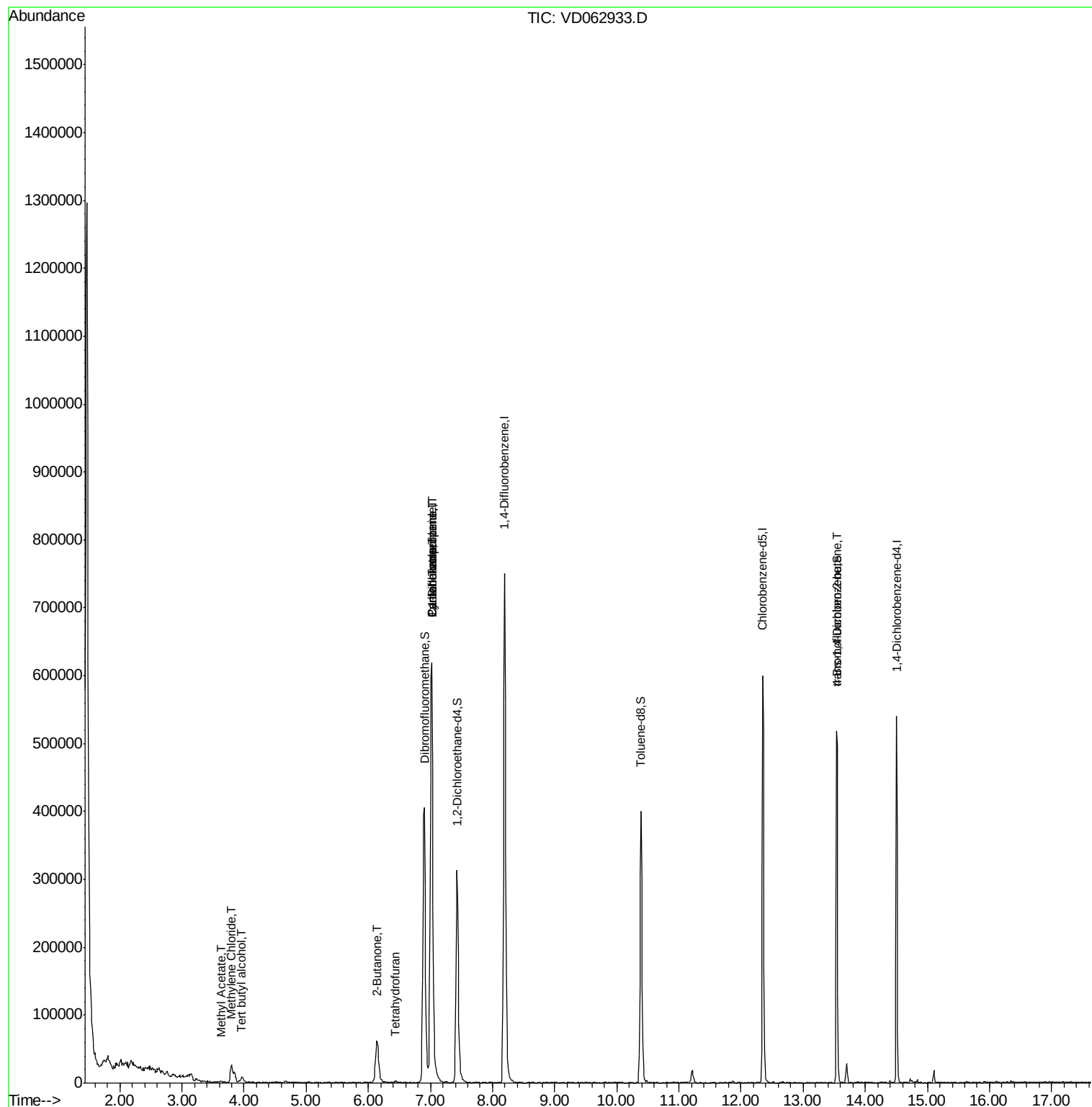
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	605789	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.19	114	739204	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.35	117	313116	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	14.50	152	113898	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.43	65	361672	54.92	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	109.84%	
35) Dibromofluoromethane	6.90	113	356722	57.23	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	114.46%	
50) Toluene-d8	10.39	98	311043	22.93	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	45.86%	
62) 4-Bromofluorobenzene	13.54	95	153760	24.93	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	49.86%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.97	59	7965	26.558	ug/l #	77
16) Acetone	3.29	43	283	Below Cal	#	64
18) Methyl Acetate	3.62	43	3340	1.680	ug/l #	83
20) Methylene Chloride	3.80	84	14029	2.794	ug/l #	76
25) 2-Butanone	6.14	43	5372	4.362	ug/l #	64
29) Tetrahydrofuran	6.43	42	1213	2.082	ug/l #	70
31) Cyclohexane	7.01	56	12657	2.047	ug/l #	15
36) 1,1-Dichloropropene	7.01	75	44477	6.356	ug/l #	54
38) Carbon Tetrachloride	7.02	117	63519	6.036	ug/l #	17
81) trans-1,4-Dichloro-2-buten	13.54	75	72765	211.153	ug/l #	2

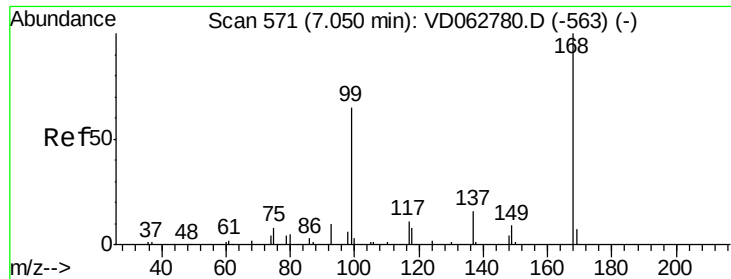
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062719\
Data File : VD062933.D
Acq On : 27 Jun 2019 16:00
Operator : VA/AP
Sample : K3534-02RE
Misc : 5.44g/5ml/MSVOA D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Jun 28 02:21:24 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

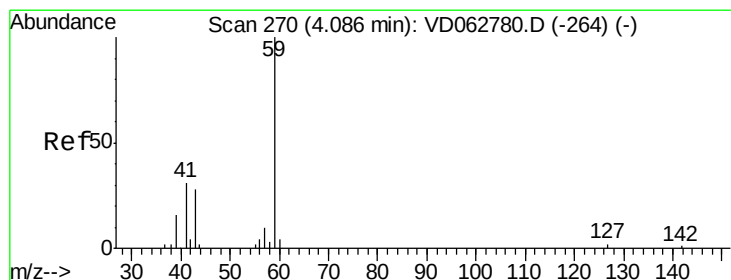
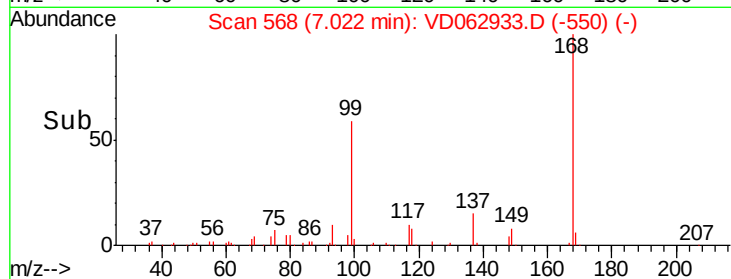
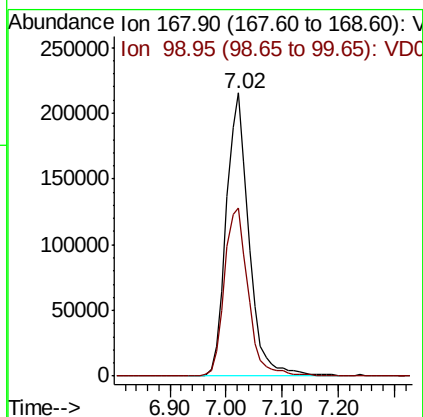
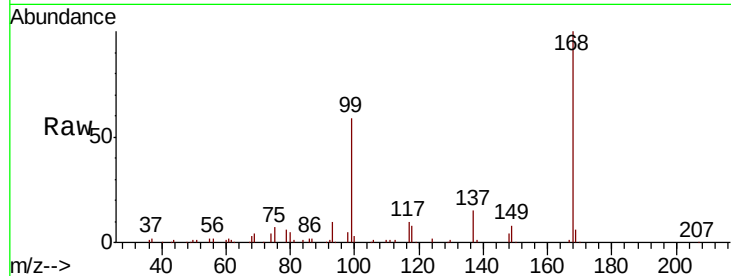




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.02 min Scan# 568
Delta R.T. -0.03 min
Lab File: VD062933.D
Acq: 27 Jun 2019 16:00

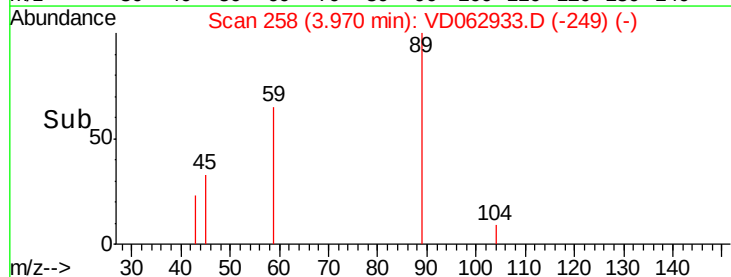
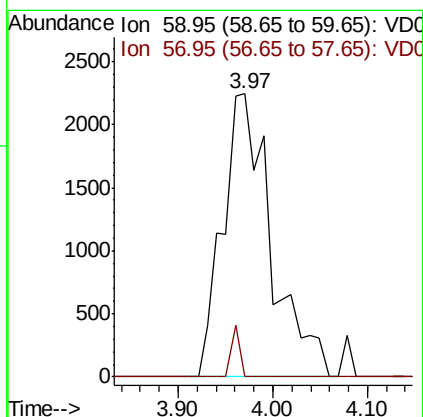
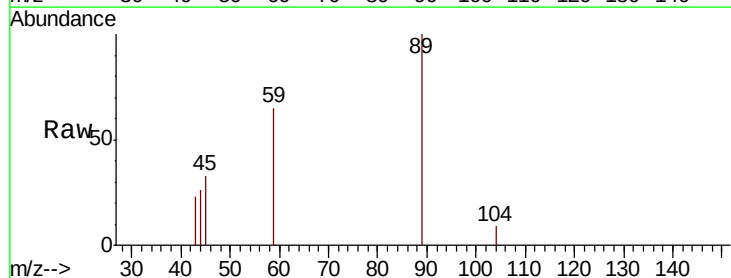
Instrument :
MSVOA_D
ClientSampleId :

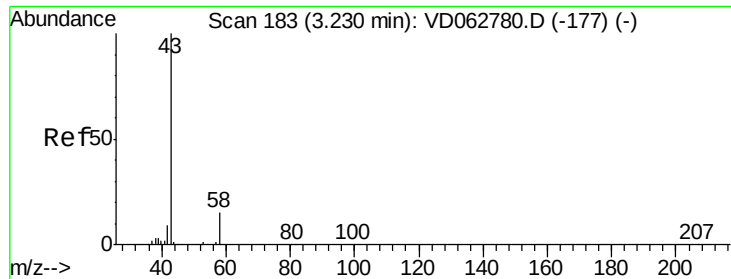
Tot Ion:168 Resp: 605789
Ion Ratio Lower Upper
168 100
99 59.4 53.0 79.6



#11
Tert butyl alcohol
Concen: 26.558 ug/l
RT: 3.97 min Scan# 258
Delta R.T. -0.12 min
Lab File: VD062933.D
Acq: 27 Jun 2019 16:00

Tgt Ion: 59 Resp: 7965
Ion Ratio Lower Upper
59 100
57 0.0 6.6 10.0#





#16

Acetone

Concen: Below Cal

RT: 3.29 min Scan# 189

Delta R.T. 0.06 min

Lab File: VD062933.D

Acq: 27 Jun 2019 16:00

Instrument :

MSVOA_D

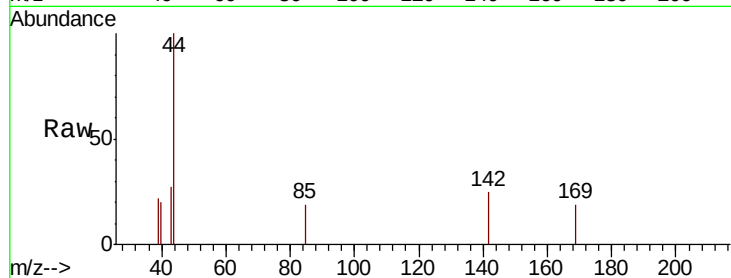
ClientSampled :

Tot Ion: 43 Resp: 283

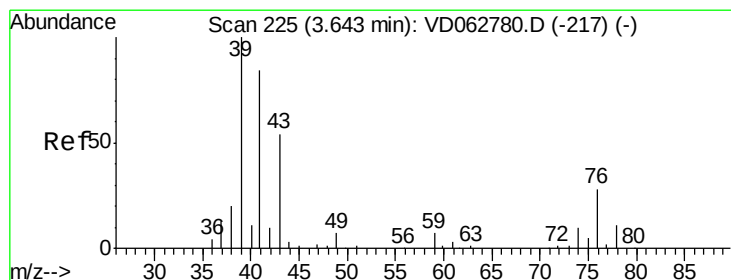
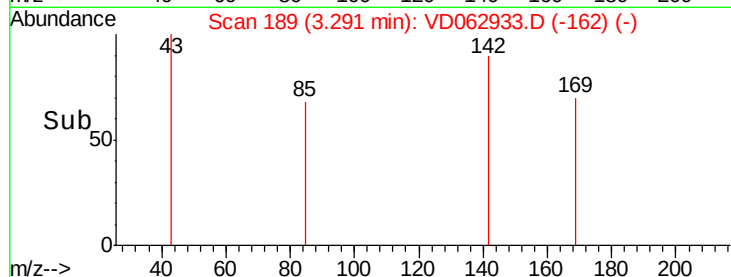
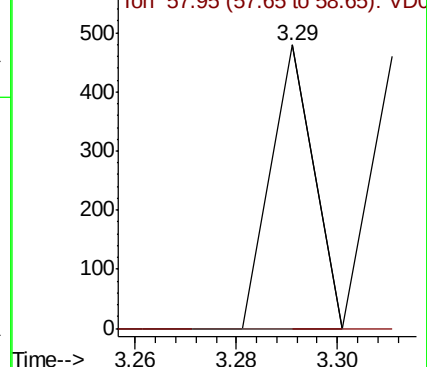
Ion Ratio Lower Upper

43 100

58 0.0 11.9 17.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC



#18

Methyl Acetate

Concen: 1.680 ug/l

RT: 3.62 min Scan# 222

Delta R.T. -0.03 min

Lab File: VD062933.D

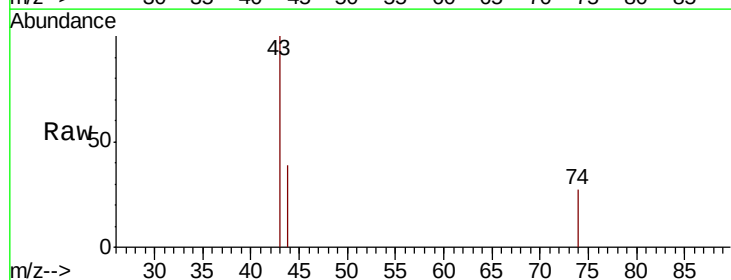
Acq: 27 Jun 2019 16:00

Tgt Ion: 43 Resp: 3340

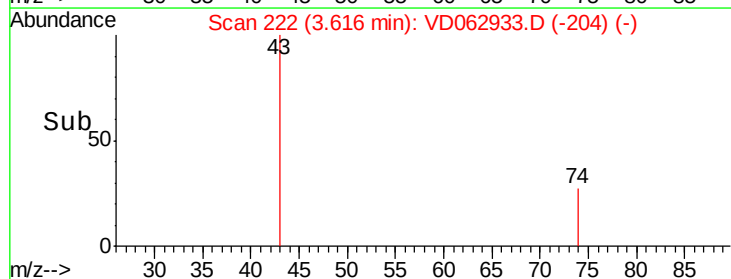
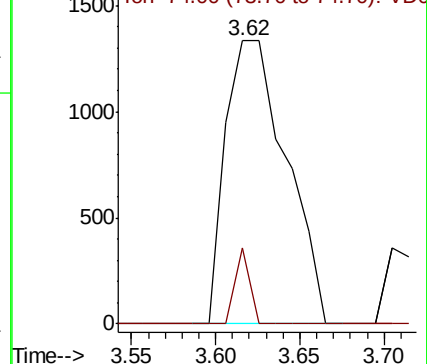
Ion Ratio Lower Upper

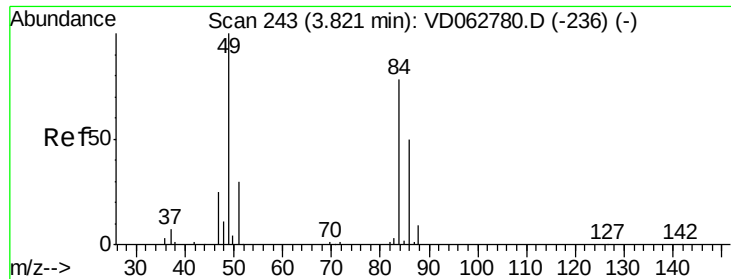
43 100

74 26.8 15.2 22.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

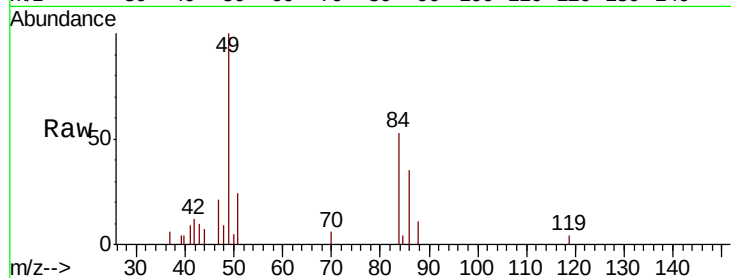




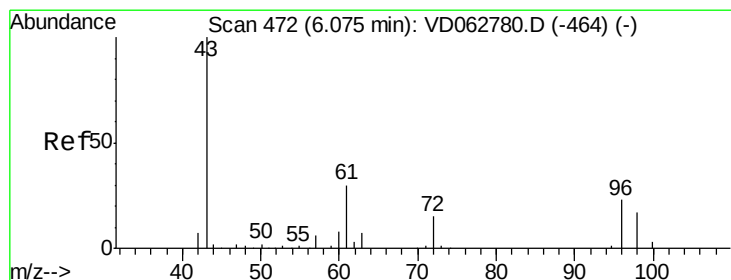
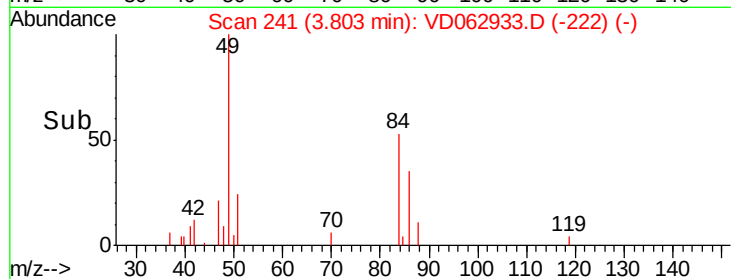
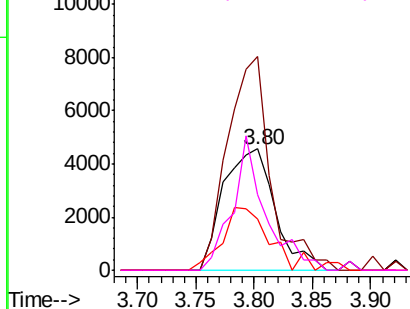
#20
Methylene Chloride
Concen: 2.794 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.02 min
Lab File: VD062933.D
Acq: 27 Jun 2019 16:00

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 14029
Ion Ratio Lower Upper
84 100
49 176.0 102.9 154.3#
51 41.7 31.2 46.8
86 62.4 51.4 77.2

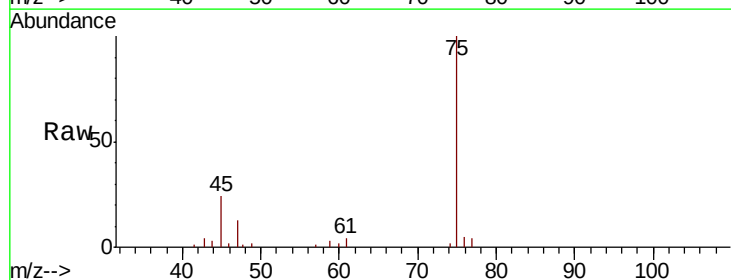


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

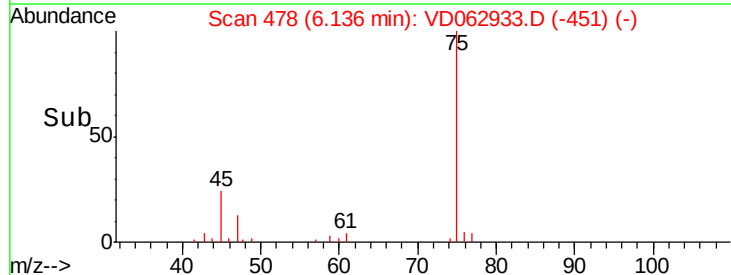
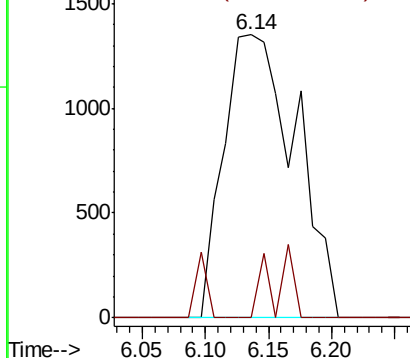


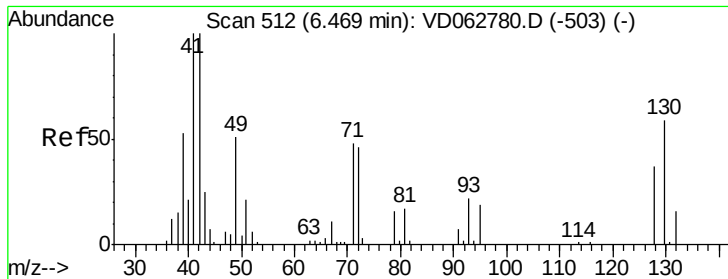
#25
2-Butanone
Concen: 4.362 ug/l
RT: 6.14 min Scan# 478
Delta R.T. 0.06 min
Lab File: VD062933.D
Acq: 27 Jun 2019 16:00

Tgt Ion: 43 Resp: 5372
Ion Ratio Lower Upper
43 100
72 0.0 11.9 17.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC





#29

Tetrahydrofuran

Concen: 2.082 ug/l

RT: 6.43 min Scan# 508

Delta R.T. -0.04 min

Lab File: VD062933.D

Acq: 27 Jun 2019 16:00

Instrument :

MSVOA_D

ClientSampleId :

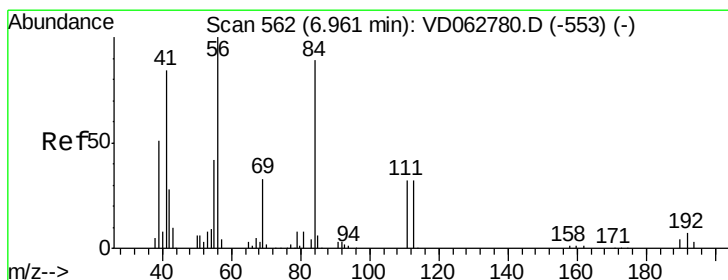
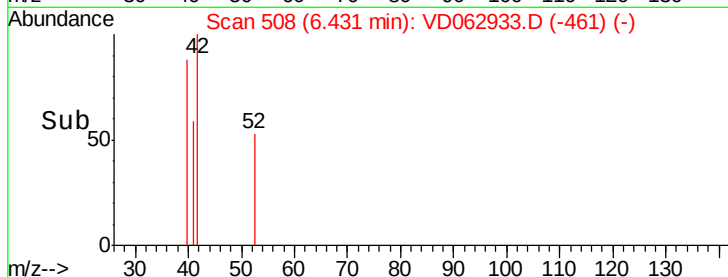
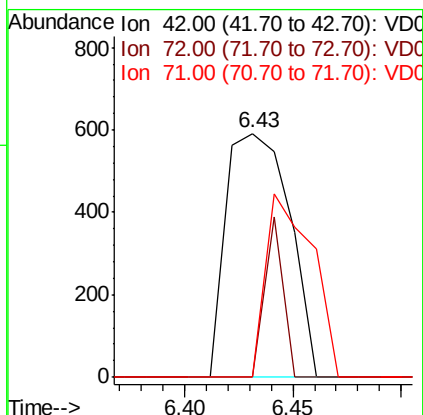
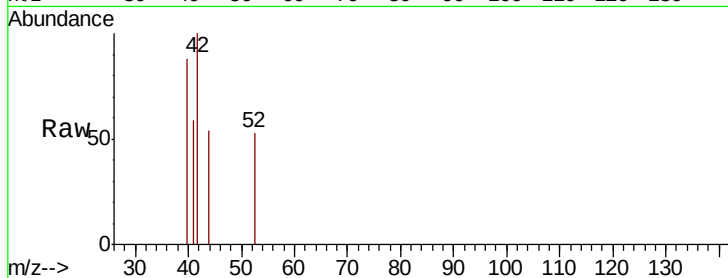
Tot Ion: 42 Resp: 1213

Ion Ratio Lower Upper

42 100

72 19.0 35.0 52.6#

71 54.5 33.3 49.9#



#31

Cyclohexane

Concen: 2.047 ug/l

RT: 7.01 min Scan# 567

Delta R.T. 0.05 min

Lab File: VD062933.D

Acq: 27 Jun 2019 16:00

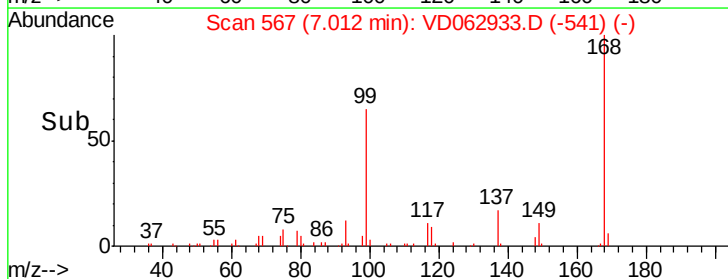
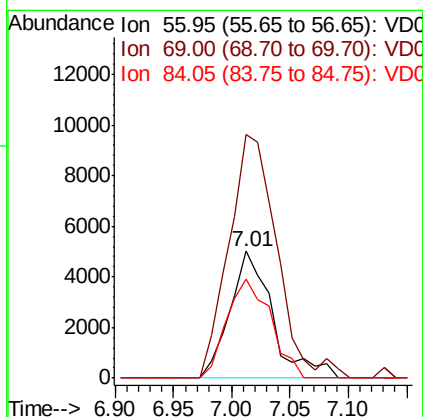
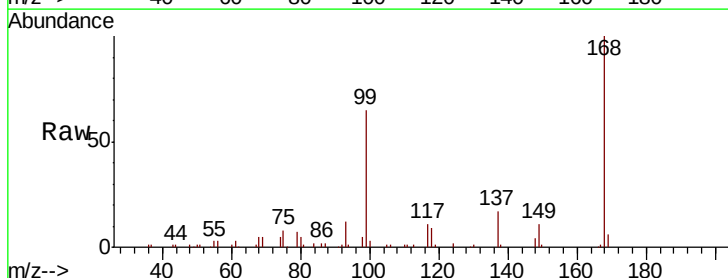
Tgt Ion: 56 Resp: 12657

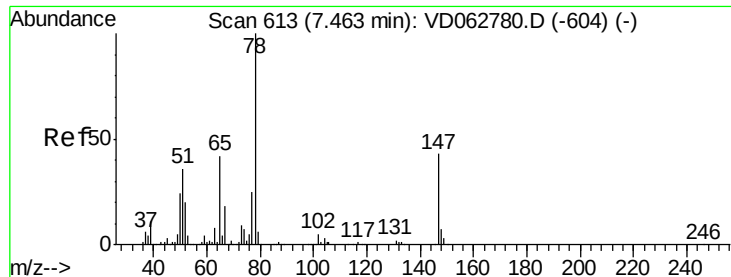
Ion Ratio Lower Upper

56 100

69 192.2 26.6 39.8#

84 78.1 75.5 113.3

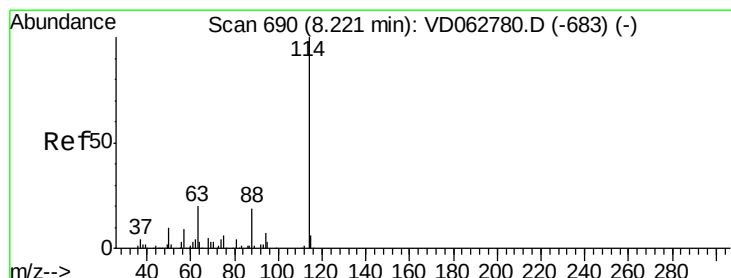
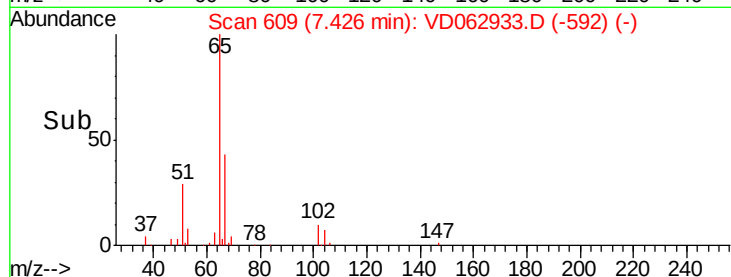
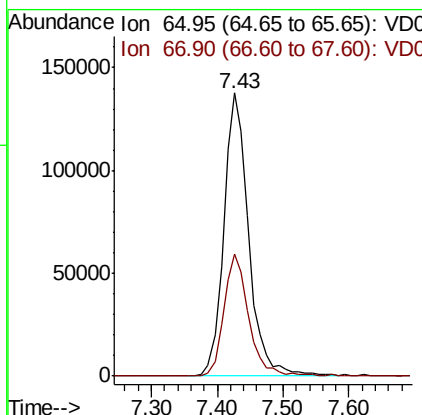
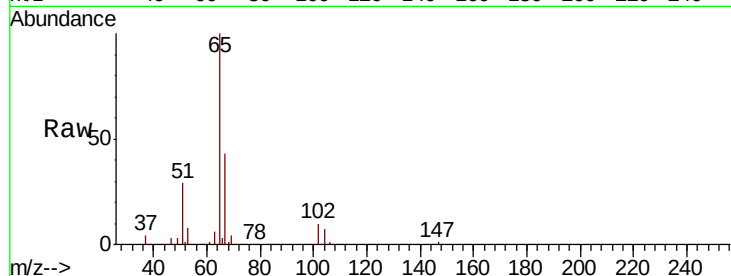




#33
 1,2-Dichloroethane-d4
 Concen: 54.925 ug/l
 RT: 7.43 min Scan# 609
 Delta R.T. -0.04 min
 Lab File: VD062933.D
 Acq: 27 Jun 2019 16:00

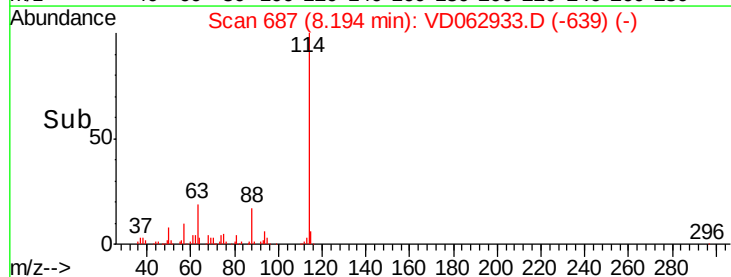
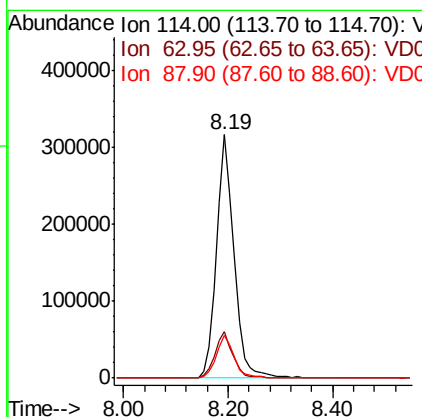
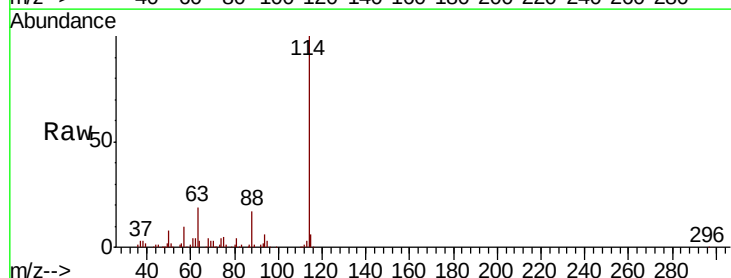
Instrument :
 MSVOA_D
 ClientSampleId :

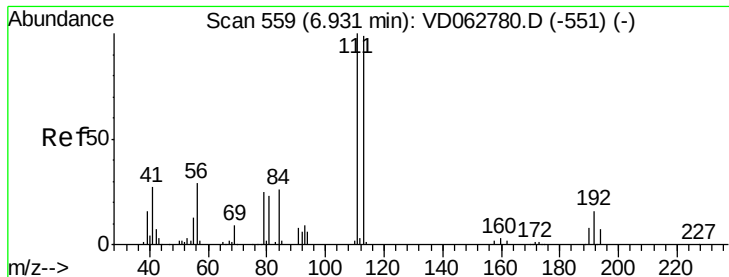
Tot Ion: 65 Resp: 361672
 Ion Ratio Lower Upper
 65 100
 67 43.3 0.0 87.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.19 min Scan# 687
 Delta R.T. -0.03 min
 Lab File: VD062933.D
 Acq: 27 Jun 2019 16:00

Tgt Ion: 114 Resp: 739204
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 40.0
 88 17.5 0.0 38.8





#35

Dibromofluoromethane

Concen: 57.232 ug/l

RT: 6.90 min Scan# 556

Delta R.T. -0.03 min

Lab File: VD062933.D

Acq: 27 Jun 2019 16:00

Instrument :

MSVOA_D

ClientSampleId :

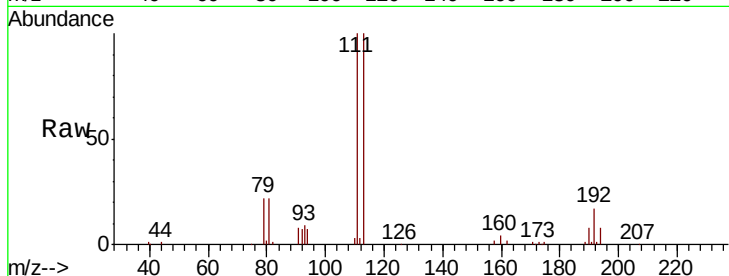
Tot Ion:113 Resp: 356722

Ion Ratio Lower Upper

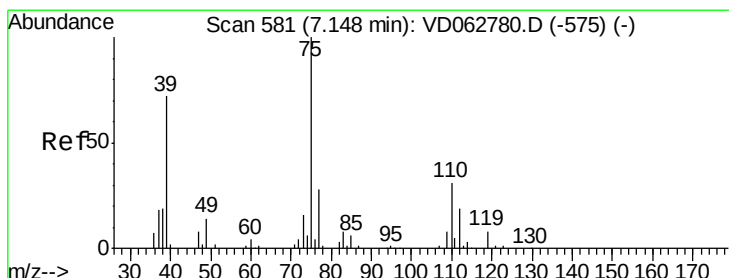
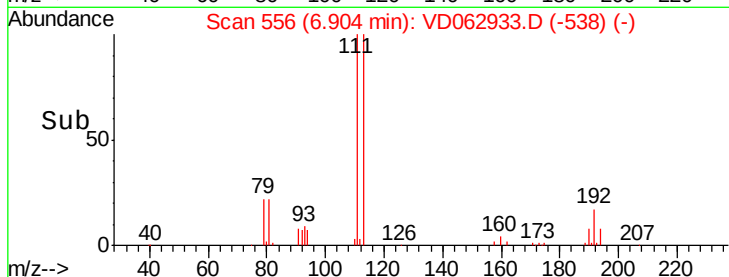
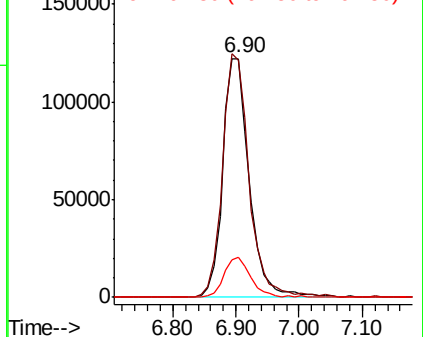
113 100

111 99.7 81.2 121.8

192 17.0 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: 6.356 ug/l

RT: 7.01 min Scan# 567

Delta R.T. -0.14 min

Lab File: VD062933.D

Acq: 27 Jun 2019 16:00

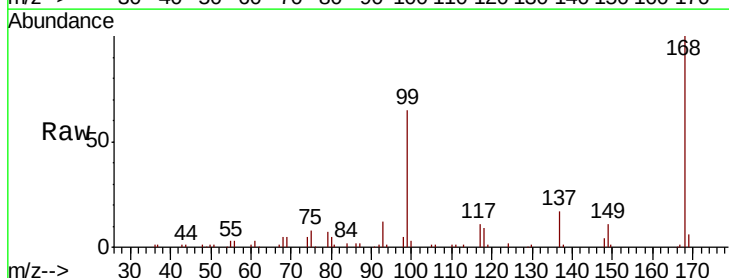
Tgt Ion: 75 Resp: 44477

Ion Ratio Lower Upper

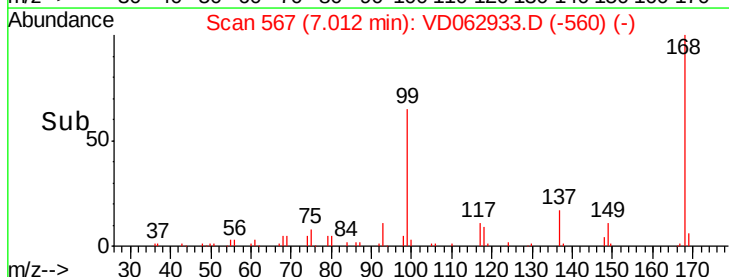
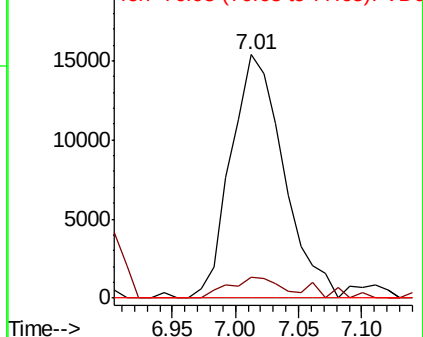
75 100

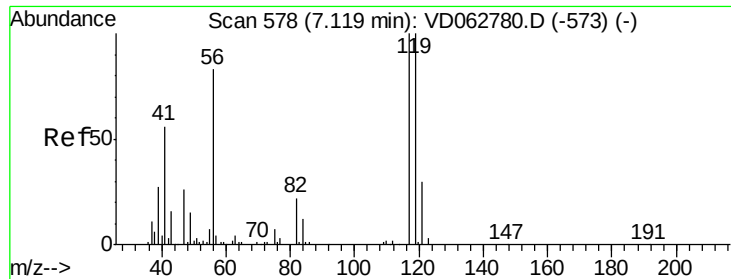
110 8.4 15.0 45.1#

77 0.0 22.2 33.2#



Abundance Ion 75.00 (74.70 to 75.70): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): V





#38

Carbon Tetrachloride

Concen: 6.036 ug/l

RT: 7.02 min Scan# 568

Delta R.T. -0.10 min

Lab File: VD062933.D

Acq: 27 Jun 2019 16:00

Instrument :

MSVOA_D

ClientSampleId :

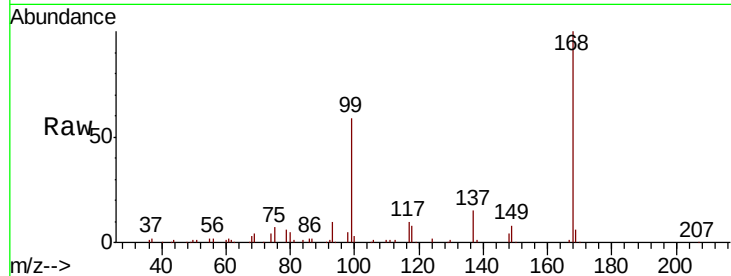
Tot Ion:117 Resp: 63519

Ion Ratio Lower Upper

117 100

119 5.0 75.4 113.2#

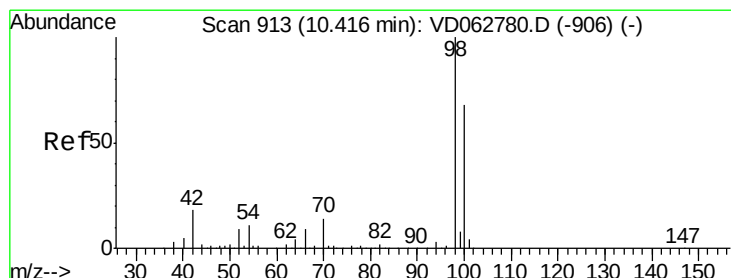
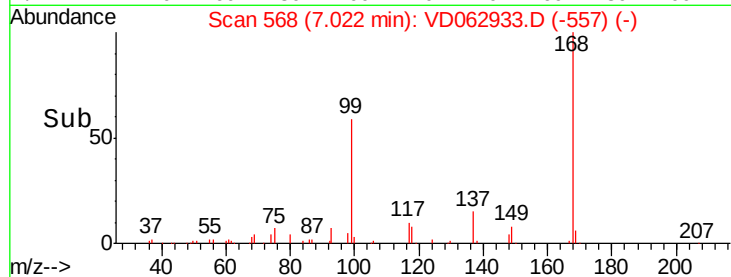
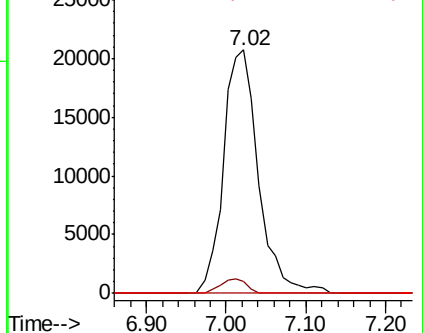
121 0.0 22.3 33.5#



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: 22.929 ug/l

RT: 10.39 min Scan# 910

Delta R.T. -0.03 min

Lab File: VD062933.D

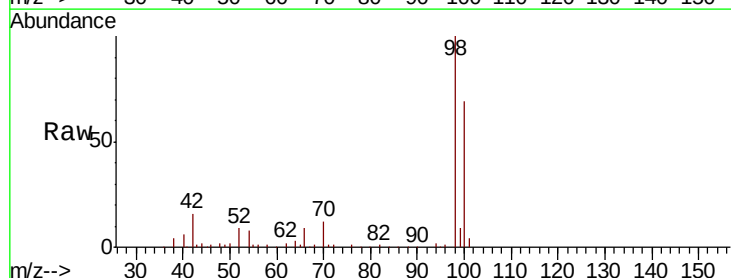
Acq: 27 Jun 2019 16:00

Tgt Ion: 98 Resp: 311043

Ion Ratio Lower Upper

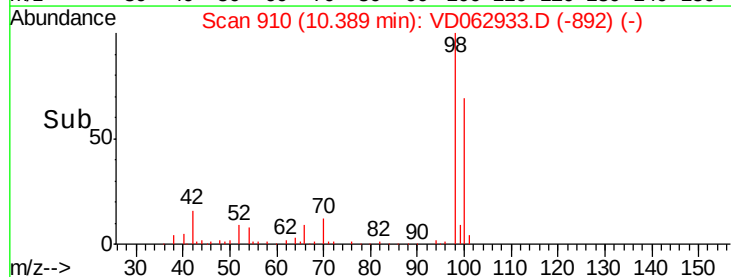
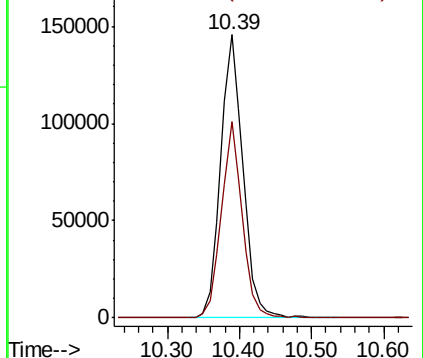
98 100

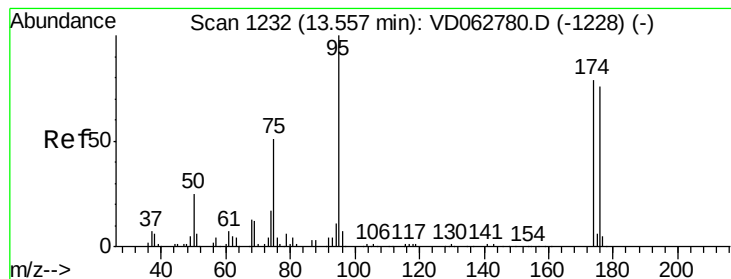
100 69.3 54.7 82.1



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: 24.927 ug/l

RT: 13.54 min Scan# 1230

Delta R.T. -0.02 min

Lab File: VD062933.D

Acq: 27 Jun 2019 16:00

Instrument :

MSVOA_D

ClientSampled :

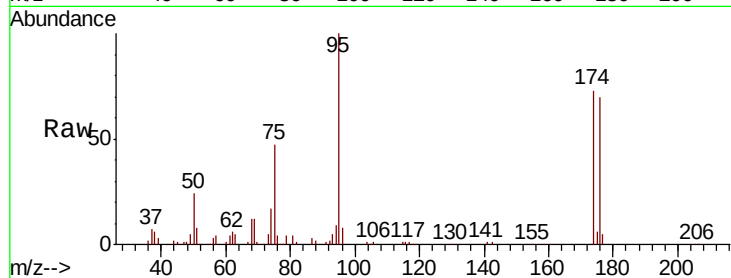
Tot Ion: 95 Resp: 153760

Ion Ratio Lower Upper

95 100

174 73.0 0.0 158.0

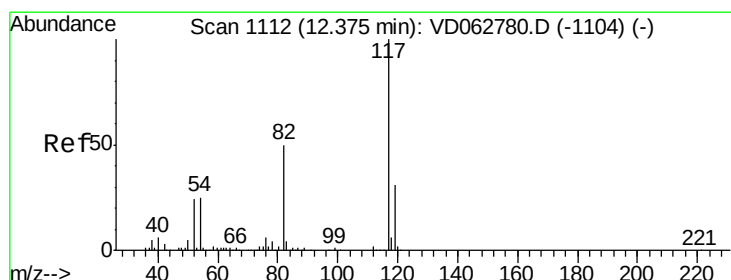
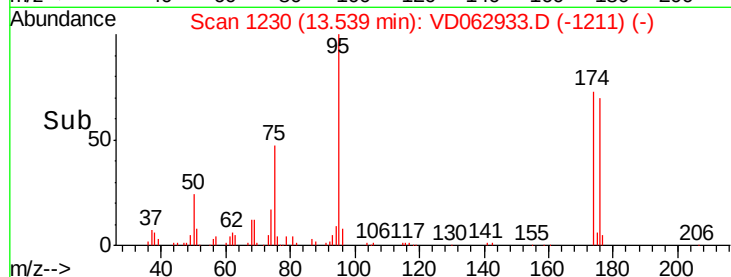
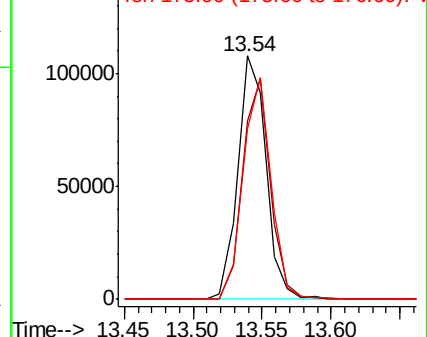
176 70.0 0.0 151.6



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# 1109

Delta R.T. -0.03 min

Lab File: VD062933.D

Acq: 27 Jun 2019 16:00

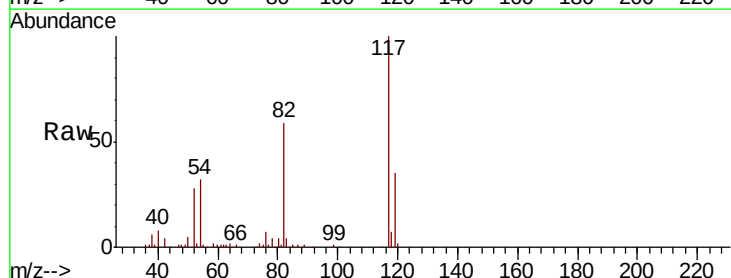
Tgt Ion: 117 Resp: 313116

Ion Ratio Lower Upper

117 100

82 58.7 40.4 60.6

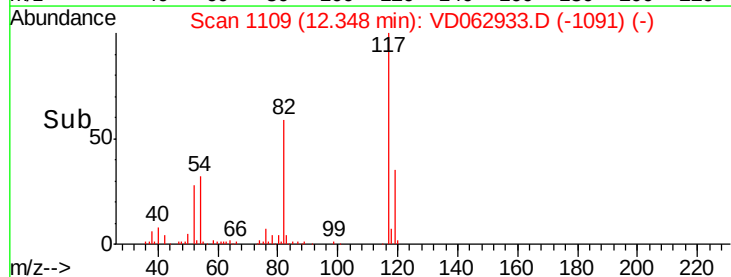
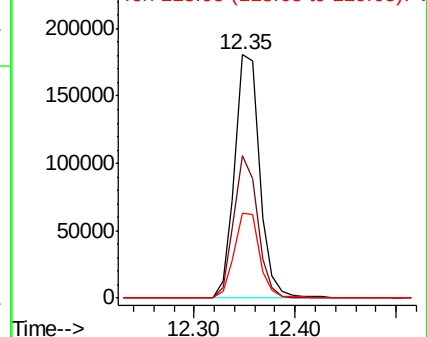
119 35.1 25.2 37.8

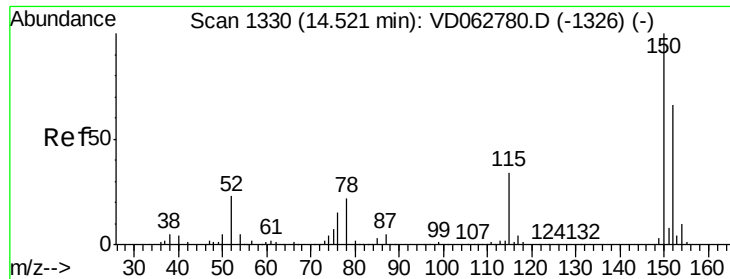


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

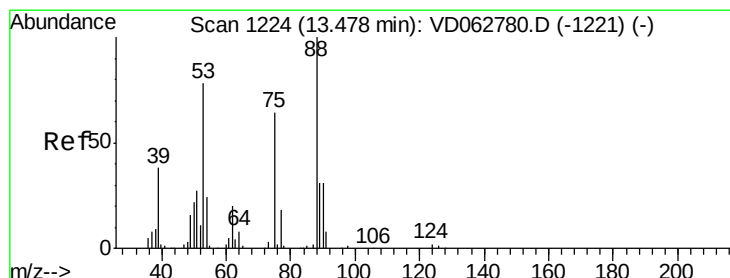
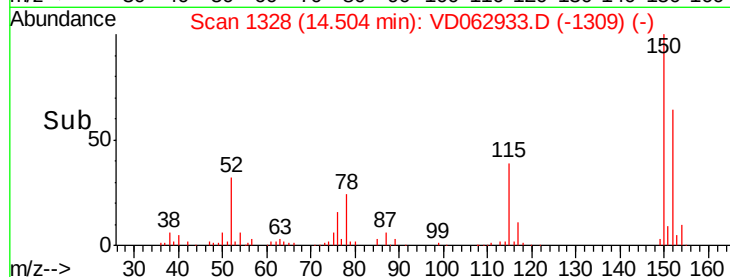
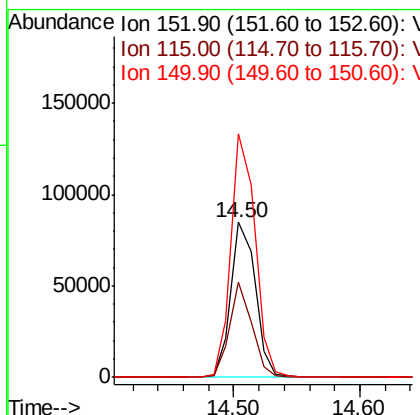
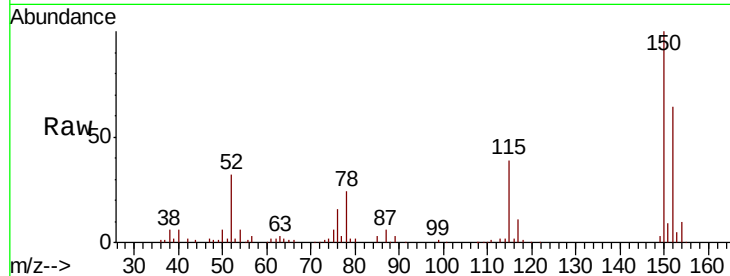




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. -0.02 min
 Lab File: VD062933.D
 Acq: 27 Jun 2019 16:00

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:152 Resp: 113898
 Ion Ratio Lower Upper
 152 100
 115 61.8 29.2 87.6
 150 157.1 0.0 305.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 211.153 ug/l
 RT: 13.54 min Scan# 1230
 Delta R.T. 0.06 min
 Lab File: VD062933.D
 Acq: 27 Jun 2019 16:00

Tgt Ion: 75 Resp: 72765
 Ion Ratio Lower Upper
 75 100
 53 0.0 97.8 146.8#
 89 0.0 39.4 59.2#

