

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062819\
 Data File : VD062956.D
 Acq On : 28 Jun 2019 10:29
 Operator : VA/AP
 Sample : VD0628SBL01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0628SBL01

Quant Time: Jun 29 00:12:56 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	951191	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.20	114	1271136	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.35	117	1091371	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.51	152	558109	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.43	65	508181	49.15	ug/l	-0.03
Spiked Amount			Recovery	=	98.30%	
35) Dibromofluoromethane	6.90	113	528371	49.30	ug/l	-0.03
Spiked Amount			Recovery	=	98.60%	
50) Toluene-d8	10.38	98	1191616	51.08	ug/l	-0.03
Spiked Amount			Recovery	=	102.16%	
62) 4-Bromofluorobenzene	13.54	95	493731	46.55	ug/l	-0.01
Spiked Amount			Recovery	=	93.10%	

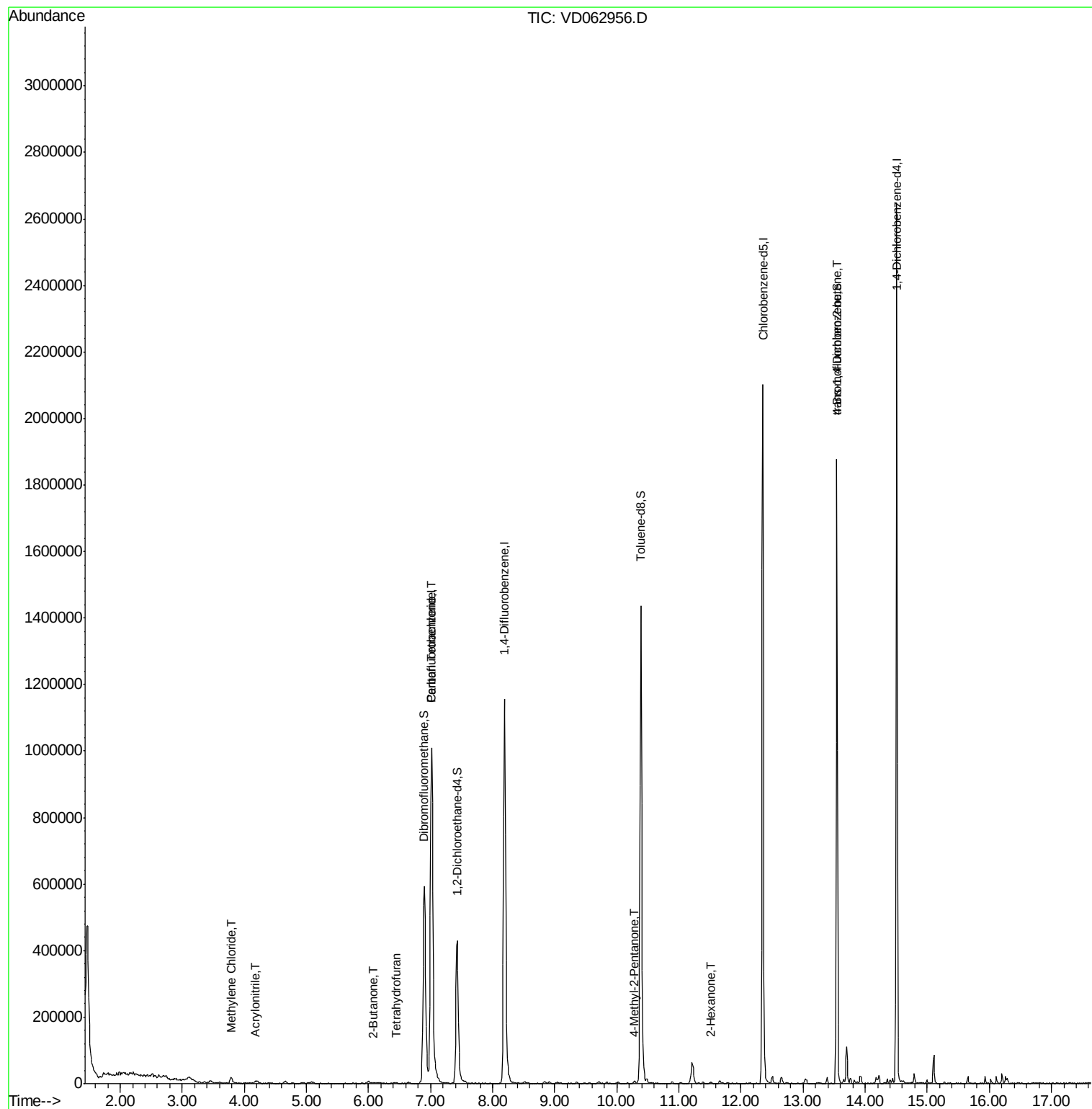
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Acrylonitrile	4.17	53	3089	2.792	ug/l #	44
16) Acetone	3.20	43	10214	Below Cal	#	64
20) Methylene Chloride	3.80	84	10240	1.299	ug/l #	81
25) 2-Butanone	6.06	43	3030	1.567	ug/l #	64
29) Tetrahydrofuran	6.45	42	1484	1.622	ug/l #	66
37) Ethyl Acetate	6.19	43	228	Below Cal	#	69
38) Carbon Tetrachloride	7.02	117	98359	5.435	ug/l #	16
51) 4-Methyl-2-Pentanone	10.28	43	6985	1.562	ug/l #	85
59) 2-Hexanone	11.52	43	4659	1.463	ug/l	78
81) trans-1,4-Dichloro-2-buten	13.54	75	239321	141.727	ug/l #	2

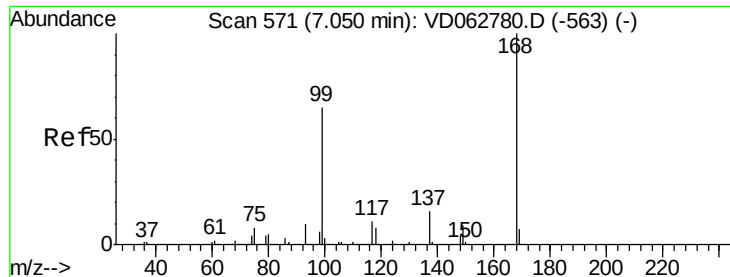
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062819\
Data File : VD062956.D
Acq On : 28 Jun 2019 10:29
Operator : VA/AP
Sample : VD0628SBL01
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0628SBL01

Quant Time: Jun 29 00:12:56 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: VD062956.D

Acq: 28 Jun 2019 10:29

Instrument :

MSVOA_D

ClientSampleId :

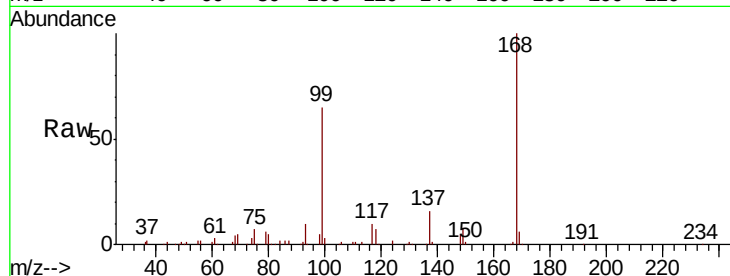
VD0628SBL01

Tot Ion:168 Resp: 951191

Ion Ratio Lower Upper

168 100

99 65.2 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

300000

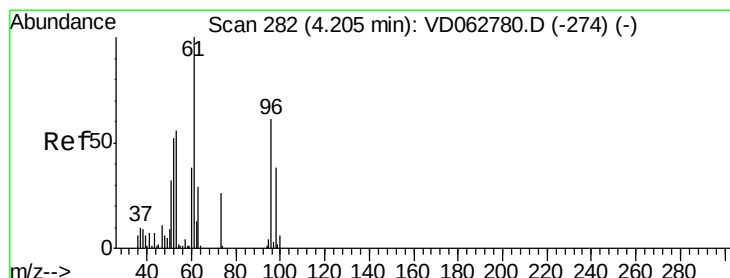
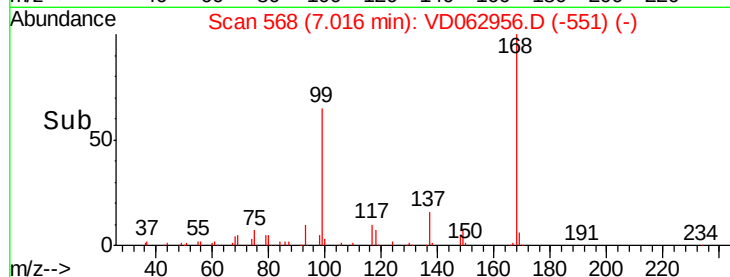
200000

100000

0

Time-->

6.90 7.00 7.10 7.20



#15

Acrylonitrile

Concen: 2.792 ug/l

RT: 4.17 min Scan# 279

Delta R.T. -0.03 min

Lab File: VD062956.D

Acq: 28 Jun 2019 10:29

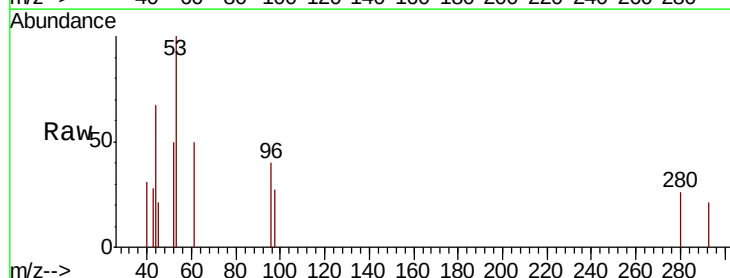
Tgt Ion: 53 Resp: 3089

Ion Ratio Lower Upper

53 100

52 50.2 73.3 109.9#

51 0.0 44.8 67.2#



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC

4.17

2000

1500

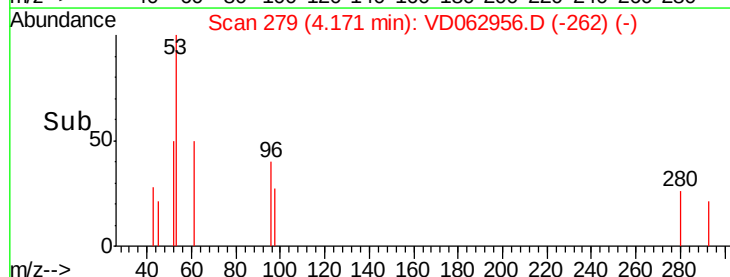
1000

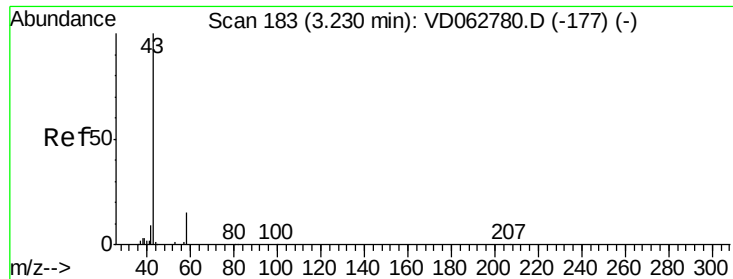
500

0

Time-->

4.10 4.15 4.20 4.25





#16

Acetone

Concen: Below Cal

RT: 3.20 min Scan# 180

Delta R.T. -0.03 min

Lab File: VD062956.D

Acq: 28 Jun 2019 10:29

Instrument :

MSVOA_D

ClientSampleId :

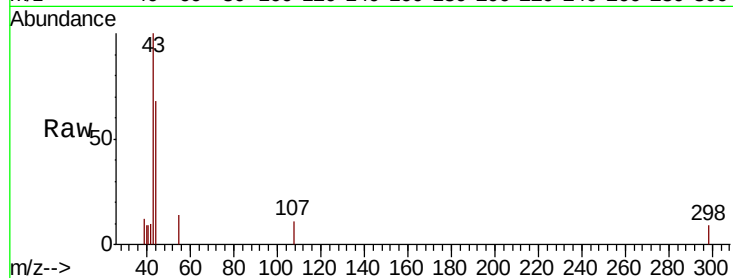
VD0628SBL01

Tot Ion: 43 Resp: 10214

Ion Ratio Lower Upper

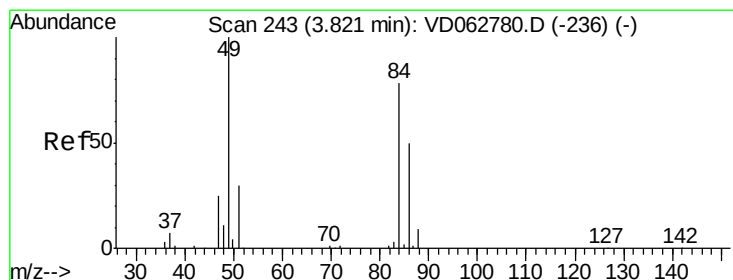
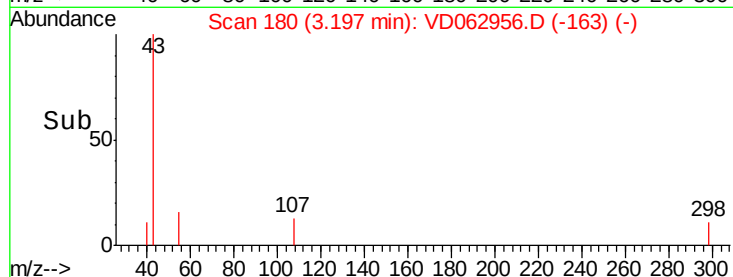
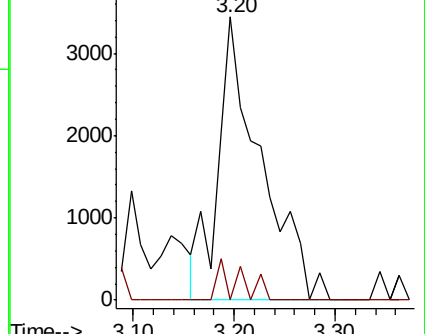
43 100

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



#20

Methylene Chloride

Concen: 1.299 ug/l

RT: 3.80 min Scan# 241

Delta R.T. -0.02 min

Lab File: VD062956.D

Acq: 28 Jun 2019 10:29

Tgt Ion: 84 Resp: 10240

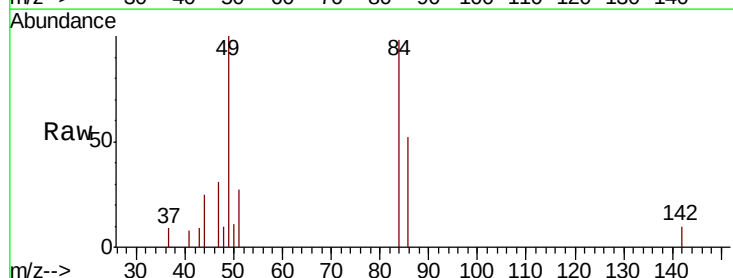
Ion Ratio Lower Upper

84 100

49 102.6 102.9 154.3#

51 27.6 31.2 46.8#

86 53.7 51.4 77.2

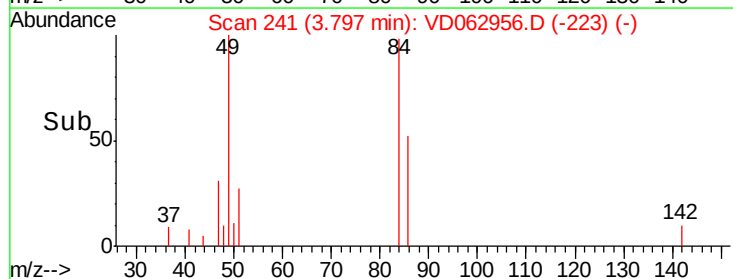
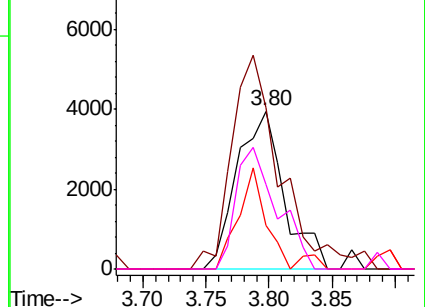


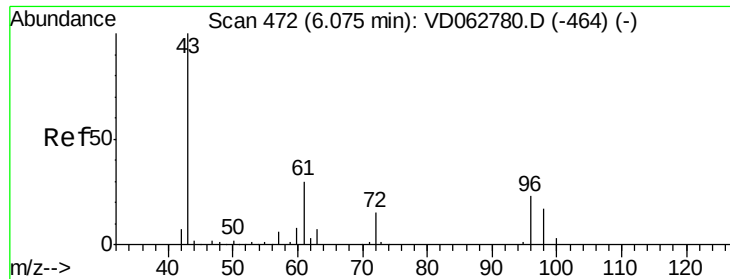
Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 1.567 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.01 min

Lab File: VD062956.D

Acq: 28 Jun 2019 10:29

Instrument :

MSVOA_D

ClientSampleId :

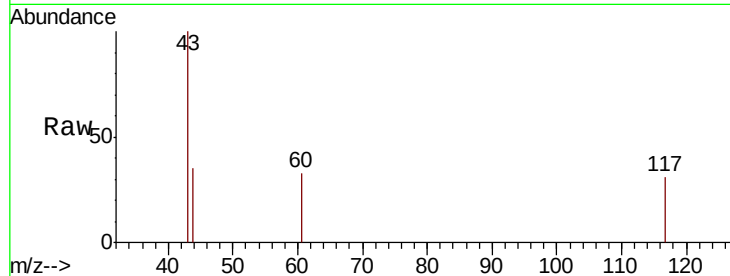
VD0628SBL01

Tot Ion: 43 Resp: 3030

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

6.06

1500

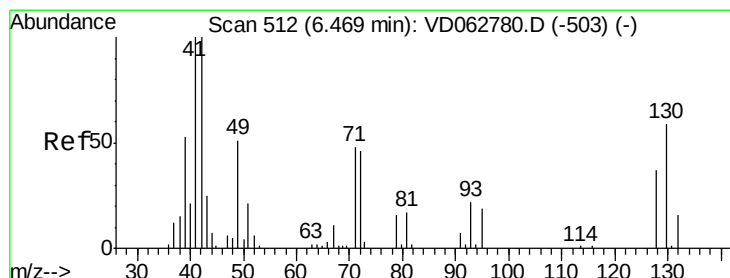
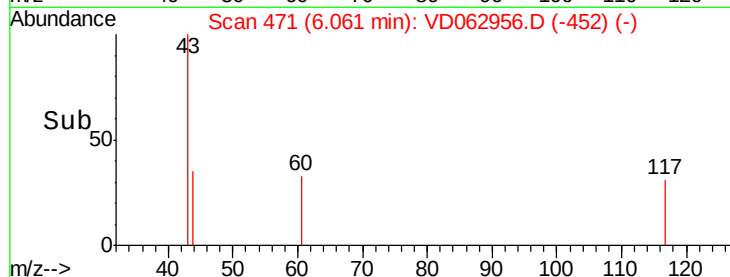
1000

500

0

Time-->

6.00 6.05 6.10



#29

Tetrahydrofuran

Concen: 1.622 ug/l

RT: 6.45 min Scan# 510

Delta R.T. -0.02 min

Lab File: VD062956.D

Acq: 28 Jun 2019 10:29

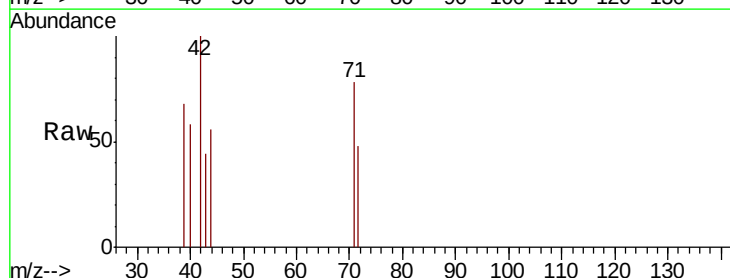
Tgt Ion: 42 Resp: 1484

Ion Ratio Lower Upper

42 100

72 14.2 35.0 52.6#

71 28.0 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

1200

1000

800

600

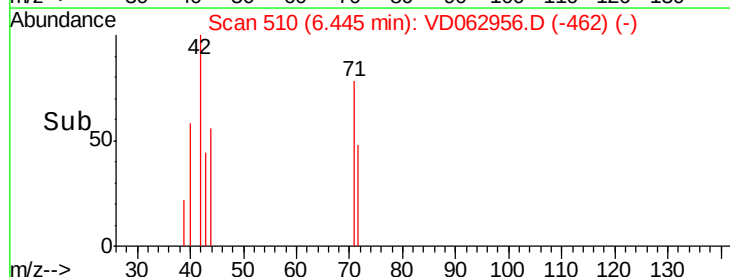
400

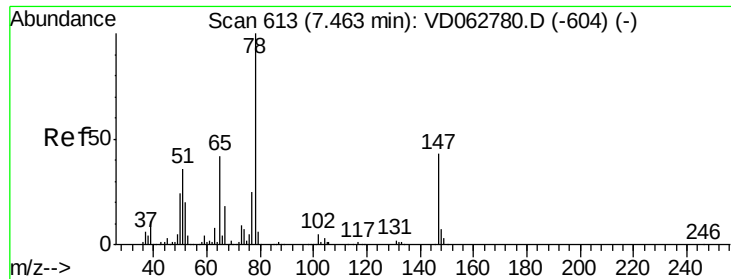
200

0

Time-->

6.40 6.45 6.50

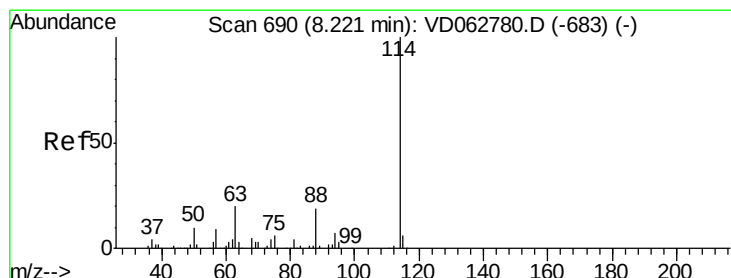
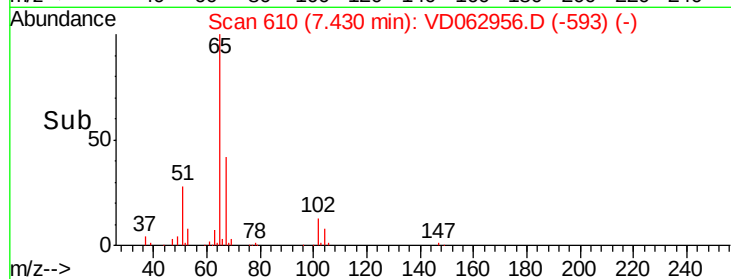
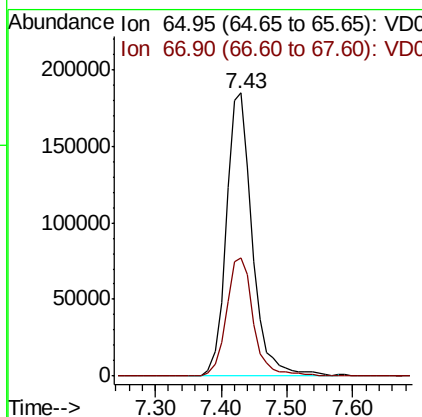
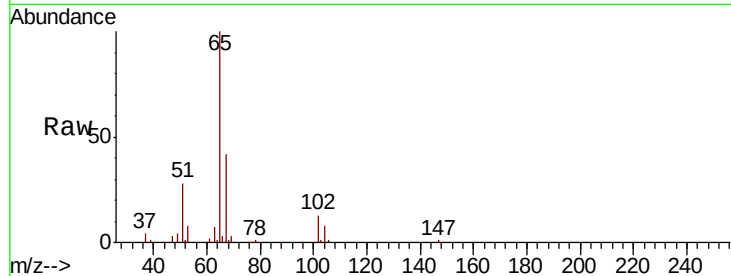




#33
 1,2-Dichloroethane-d4
 Concen: 49.150 ug/l
 RT: 7.43 min Scan# 610
 Delta R.T. -0.03 min
 Lab File: VD062956.D
 Acq: 28 Jun 2019 10:29

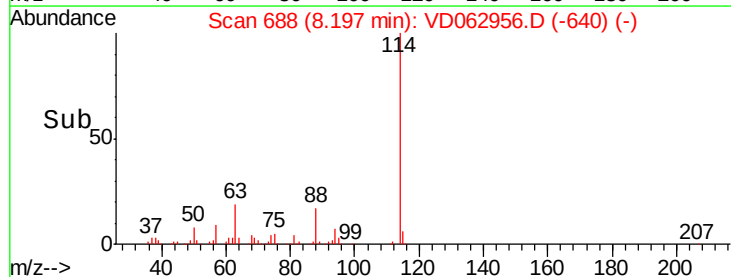
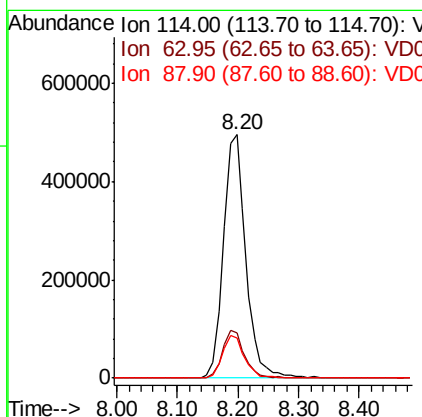
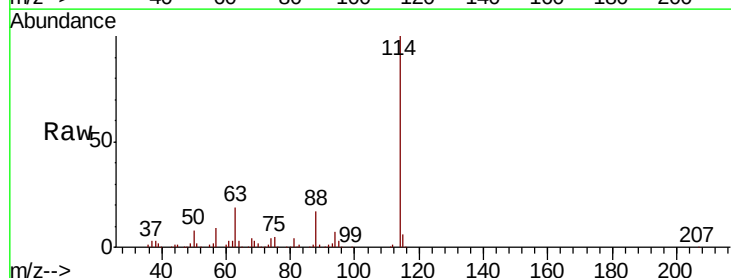
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0628SBL01

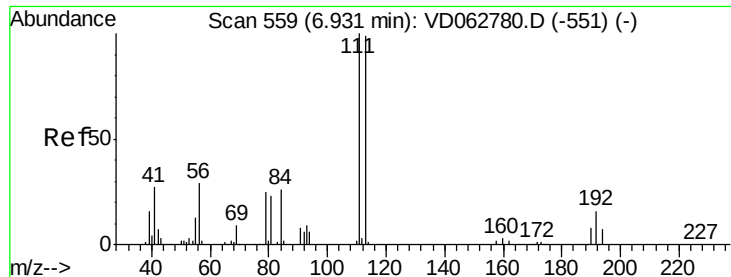
Tot Ion: 65 Resp: 508181
 Ion Ratio Lower Upper
 65 100
 67 41.9 0.0 87.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 688
 Delta R.T. -0.02 min
 Lab File: VD062956.D
 Acq: 28 Jun 2019 10:29

Tgt Ion: 114 Resp: 1271136
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 40.0
 88 16.7 0.0 38.8

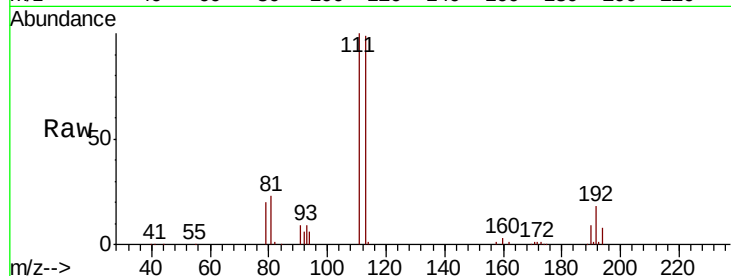




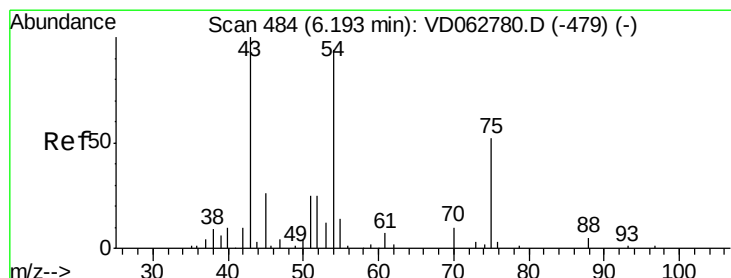
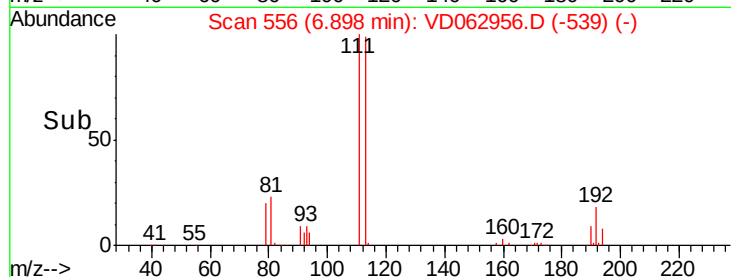
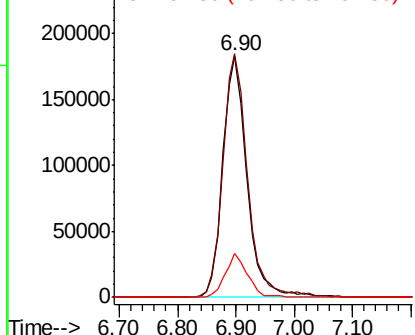
#35
Dibromofluoromethane
Concen: 49.297 ug/l
RT: 6.90 min Scan# 556
Delta R.T. -0.03 min
Lab File: VD062956.D
Acq: 28 Jun 2019 10:29

Instrument :
MSVOA_D
ClientSampleId :
VD0628SBL01

Tot Ion:113 Resp: 528371
Ion Ratio Lower Upper
113 100
111 100.9 81.2 121.8
192 18.0 12.9 19.3

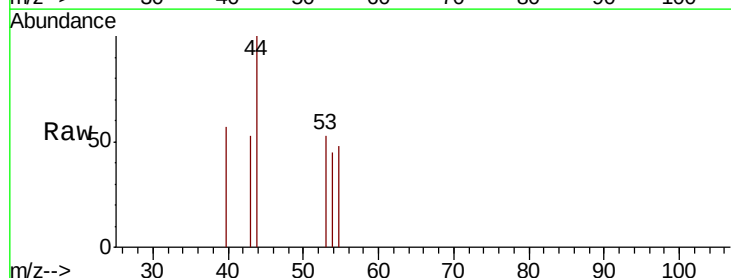


Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V

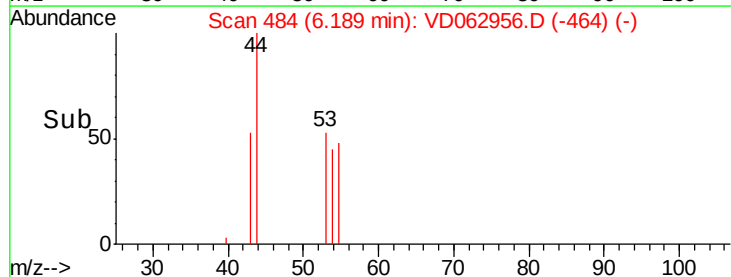
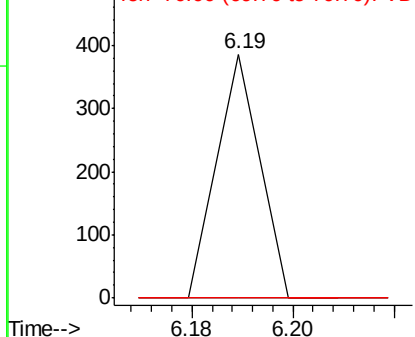


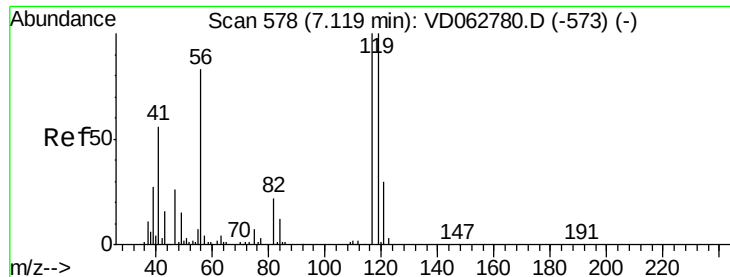
#37
Ethyl Acetate
Concen: Below Cal
RT: 6.19 min Scan# 484
Delta R.T. -0.00 min
Lab File: VD062956.D
Acq: 28 Jun 2019 10:29

Tgt Ion: 43 Resp: 228
Ion Ratio Lower Upper
43 100
61 0.0 11.6 17.4#
70 0.0 6.4 9.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC





#38

Carbon Tetrachloride

Concen: 5.435 ug/l

RT: 7.02 min Scan# 568

Delta R.T. -0.10 min

Lab File: VD062956.D

Acq: 28 Jun 2019 10:29

Instrument :

MSVOA_D

ClientSampleId :

VD0628SBL01

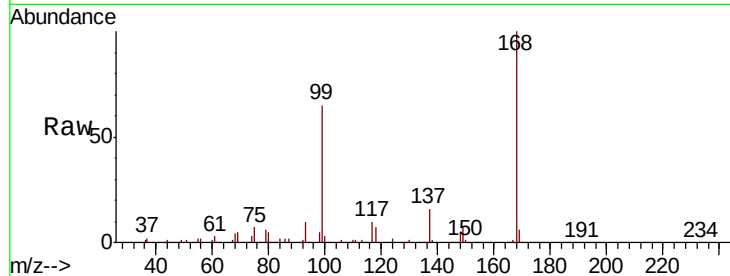
Tot Ion:117 Resp: 98359

Ion Ratio Lower Upper

117 100

119 4.1 75.4 113.2#

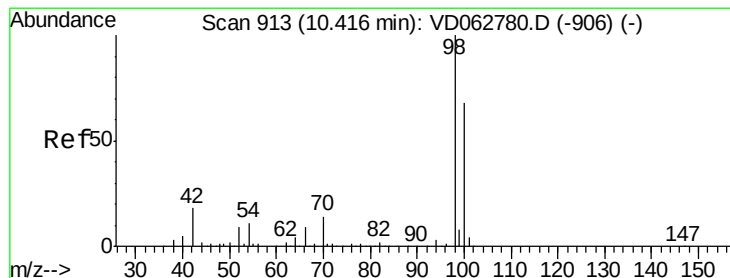
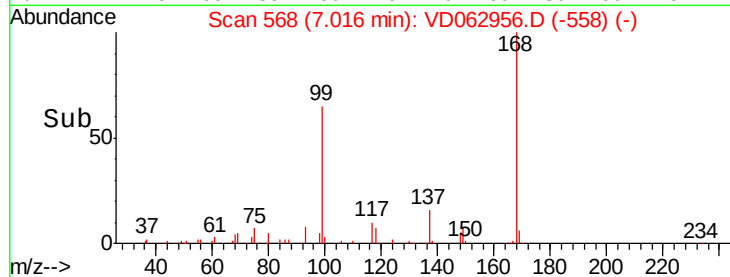
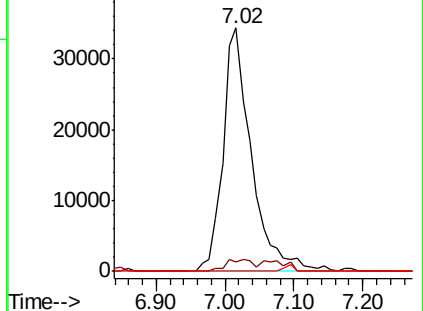
121 0.0 22.3 33.5#



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: 51.082 ug/l

RT: 10.38 min Scan# 910

Delta R.T. -0.03 min

Lab File: VD062956.D

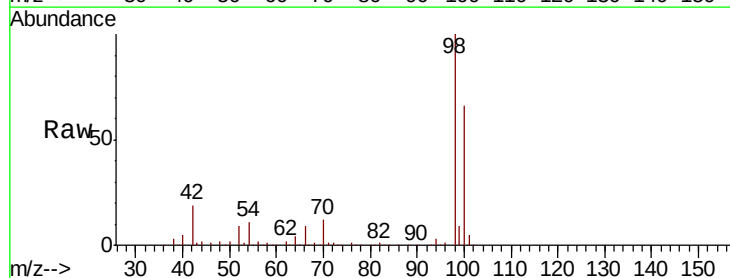
Acq: 28 Jun 2019 10:29

Tgt Ion: 98 Resp: 1191616

Ion Ratio Lower Upper

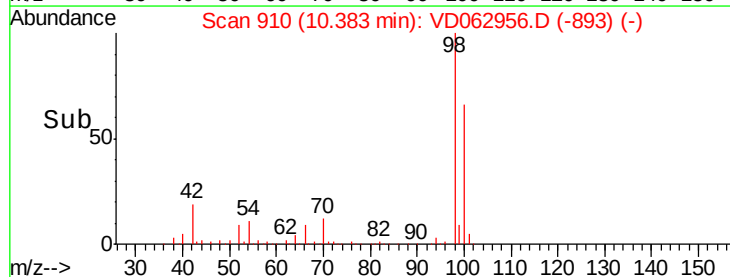
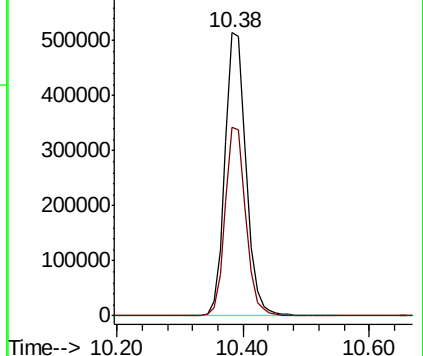
98 100

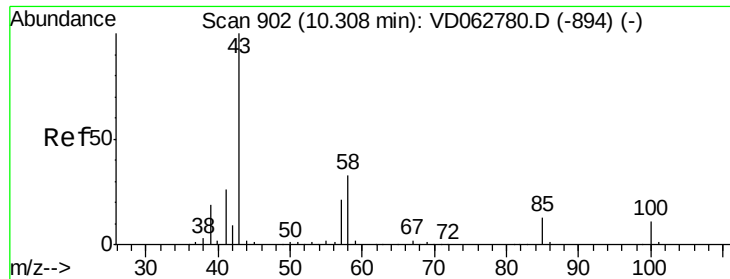
100 66.5 54.7 82.1



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: 1.562 ug/l

RT: 10.28 min Scan# 900

Delta R.T. -0.02 min

Lab File: VD062956.D

Acq: 28 Jun 2019 10:29

Instrument :

MSVOA_D

ClientSampleId :

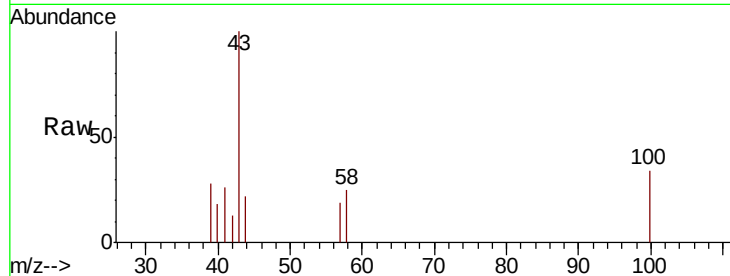
VD0628SBL01

Tot Ion: 43 Resp: 6985

Ion Ratio Lower Upper

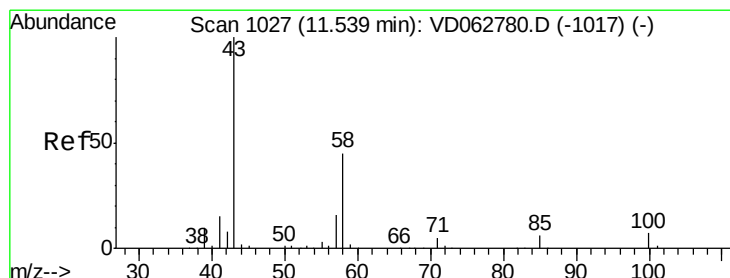
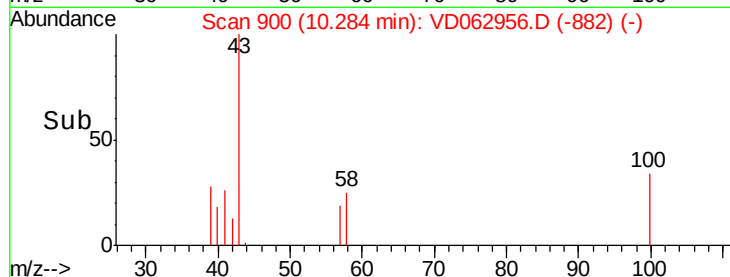
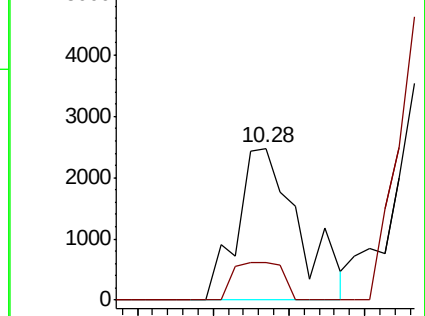
43 100

58 24.5 26.6 40.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#59

2-Hexanone

Concen: 1.463 ug/l

RT: 11.52 min Scan# 1025

Delta R.T. -0.02 min

Lab File: VD062956.D

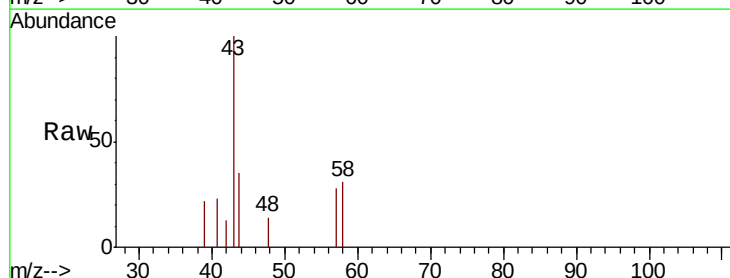
Acq: 28 Jun 2019 10:29

Tgt Ion: 43 Resp: 4659

Ion Ratio Lower Upper

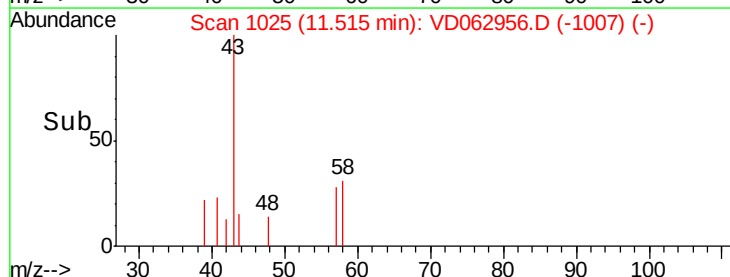
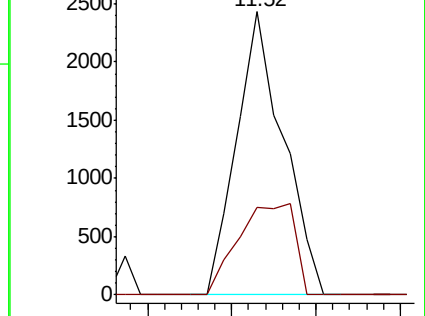
43 100

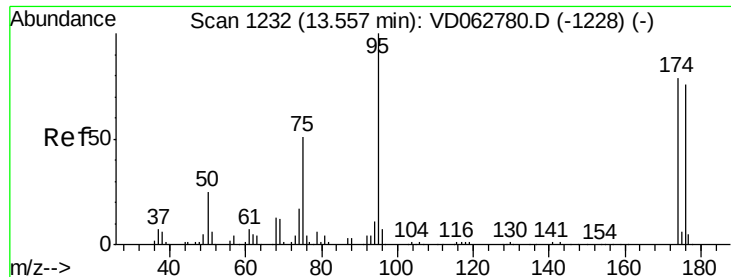
58 30.8 22.4 67.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#62

4-Bromofluorobenzene

Concen: 46.547 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD062956.D

Acq: 28 Jun 2019 10:29

Instrument :

MSVOA_D

ClientSampleId :

VD0628SBL01

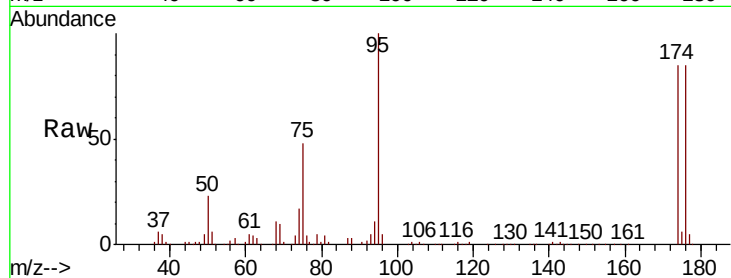
Tot Ion: 95 Resp: 493731

Ion Ratio Lower Upper

95 100

174 85.1 0.0 158.0

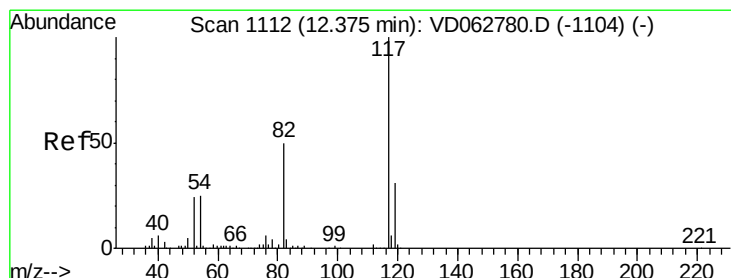
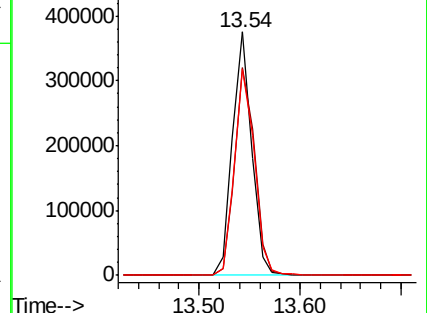
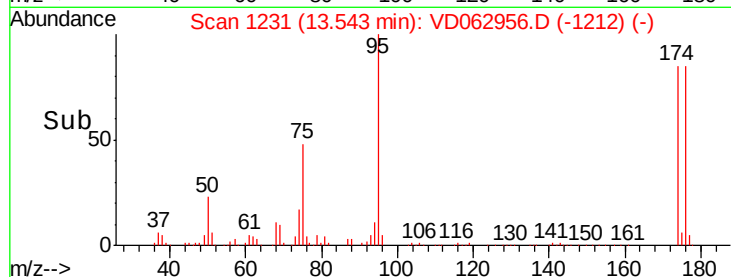
176 84.9 0.0 151.6



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: VD062956.D

Acq: 28 Jun 2019 10:29

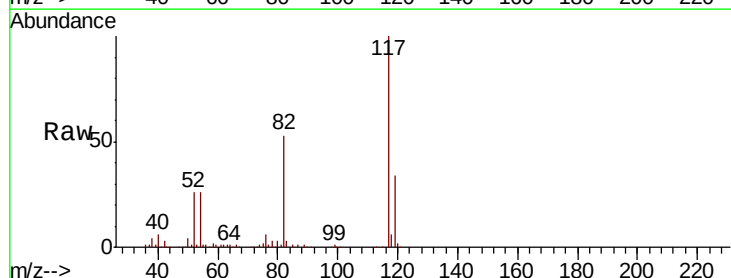
Tgt Ion: 117 Resp: 1091371

Ion Ratio Lower Upper

117 100

82 52.8 40.4 60.6

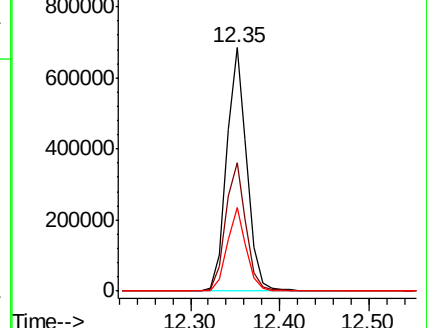
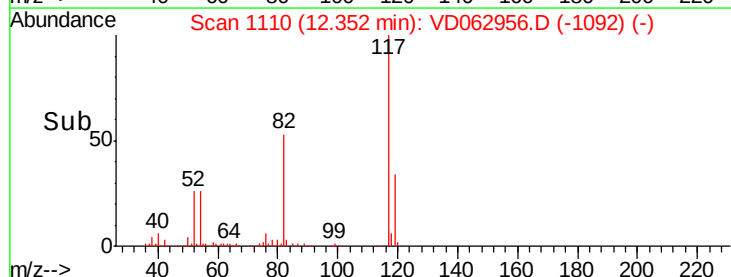
119 34.3 25.2 37.8

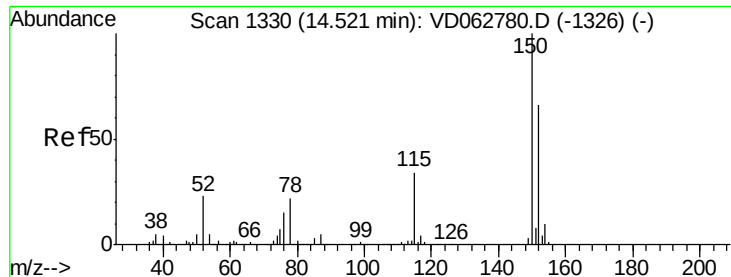


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



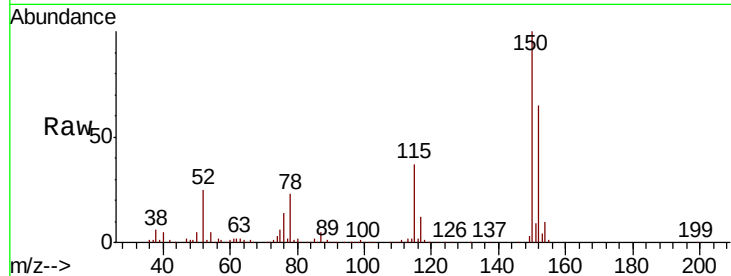


#72

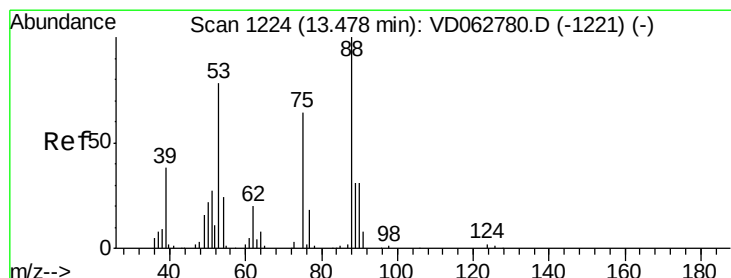
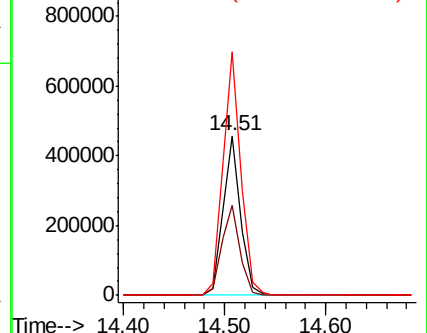
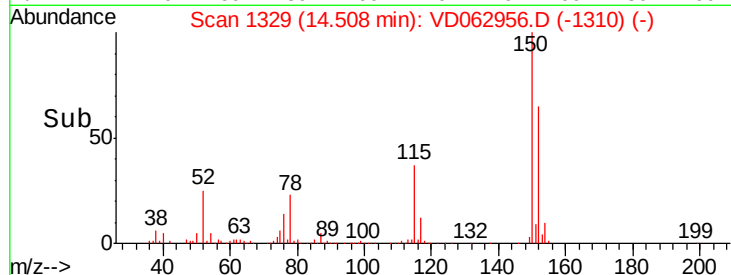
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD062956.D
Acq: 28 Jun 2019 10:29

Instrument :
MSVOA_D
ClientSampleId :
VD0628SBL01

Tot Ion:152 Resp: 558109
Ion Ratio Lower Upper
152 100
115 56.8 29.2 87.6
150 152.8 0.0 305.8



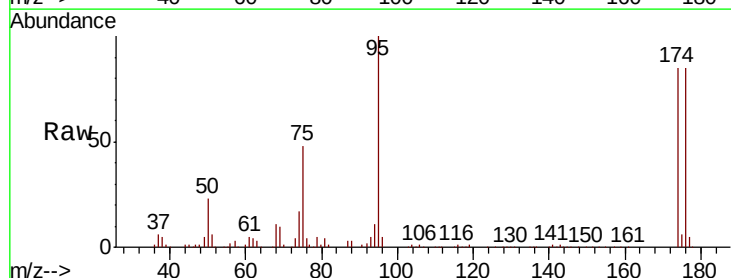
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene
Concen: 141.727 ug/l
RT: 13.54 min Scan# 1231
Delta R.T. 0.06 min
Lab File: VD062956.D
Acq: 28 Jun 2019 10:29

Tgt Ion: 75 Resp: 239321
Ion Ratio Lower Upper
75 100
53 0.0 97.8 146.8#
89 0.0 39.4 59.2#



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

