

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060519\
 Data File : VD062620.D
 Acq On : 6 Jun 2019 11:40
 Operator : FY/SY
 Sample : VD0606SBL01
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0605SBL01

Quant Time: Jun 07 03:23:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060519S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 06 05:42:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	827863	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.24	114	1161349	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.38	117	918697	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	516971	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	636623	56.10	ug/l	0.00
Spiked Amount			Recovery	=	112.20%	
35) Dibromofluoromethane	6.94	113	648805	54.97	ug/l	0.00
Spiked Amount			Recovery	=	109.94%	
50) Toluene-d8	10.42	98	1319270	51.88	ug/l	0.00
Spiked Amount			Recovery	=	103.76%	
62) 4-Bromofluorobenzene	13.56	95	594602	49.60	ug/l	0.00
Spiked Amount			Recovery	=	99.20%	

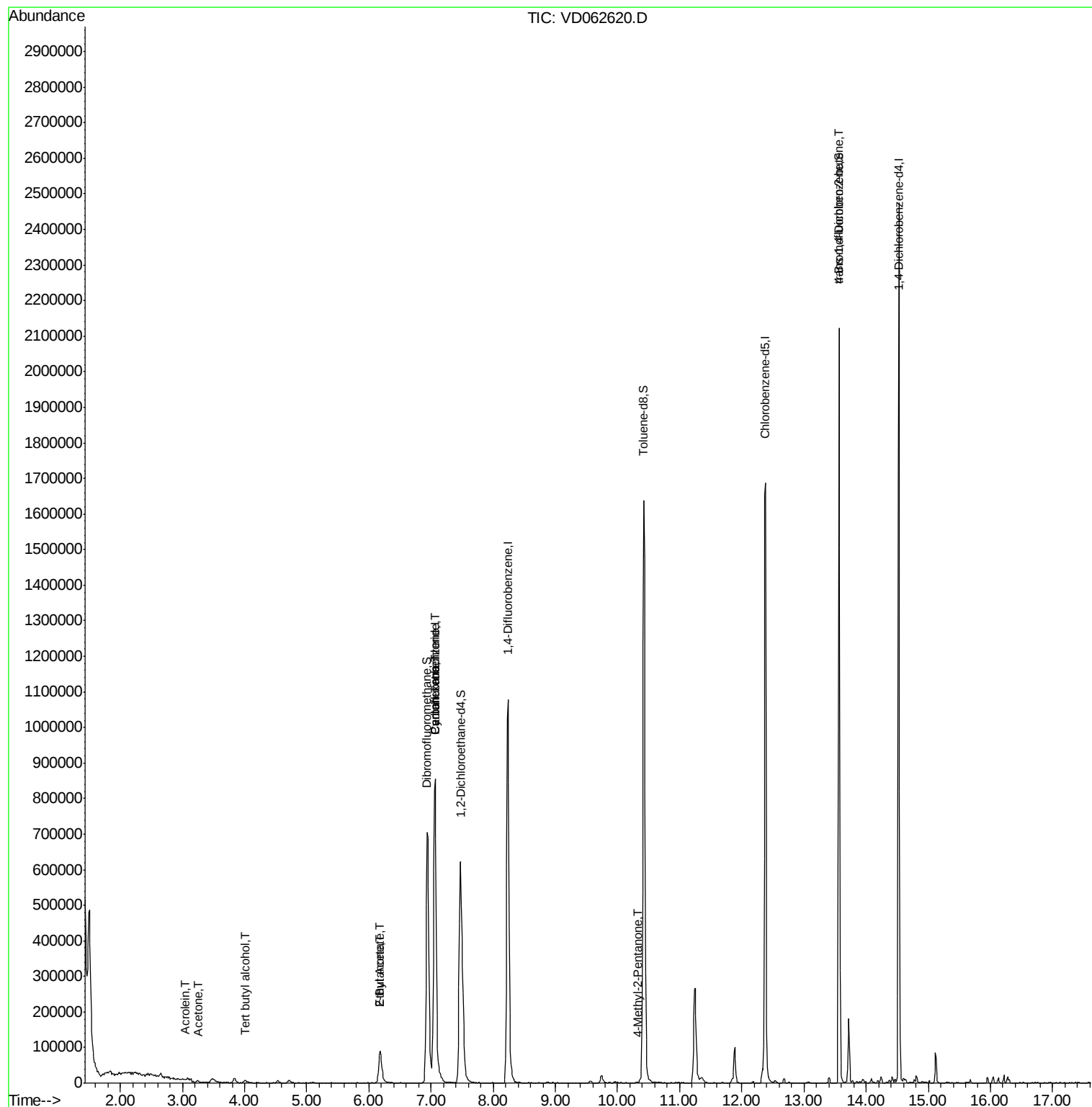
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	2369	Below Cal	#	41
11) Tert butyl alcohol	4.00	59	7310	14.385	ug/l #	77
13) Acrolein	3.05	56	231	1.285	ug/l #	80
16) Acetone	3.24	43	9560	4.688	ug/l #	76
25) 2-Butanone	6.19	43	9900	5.110	ug/l #	57
31) Cyclohexane	7.05	56	19928	2.132	ug/l #	1
37) Ethyl Acetate	6.19	43	9899	1.965	ug/l #	37
38) Carbon Tetrachloride	7.05	117	84746	4.522	ug/l #	13
51) 4-Methyl-2-Pentanone	10.32	43	4679	1.038	ug/l #	78
81) trans-1,4-Dichloro-2-buten	13.56	75	296049	170.787	ug/l #	1

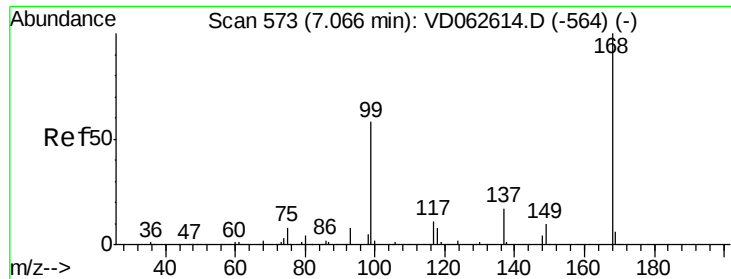
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD060519\
Data File : VD062620.D
Acq On : 6 Jun 2019 11:40
Operator : FY/SY
Sample : VD0606SBL01
Misc : 5.00µ/5mL/MSVOA D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0605SBL01

Quant Time: Jun 07 03:23:22 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D060519S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 06 05:42:40 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 573

Delta R.T. -0.00 min

Lab File: VD062620.D

Acq: 6 Jun 2019 11:40

Instrument :

MSVOA_D

ClientSampleId :

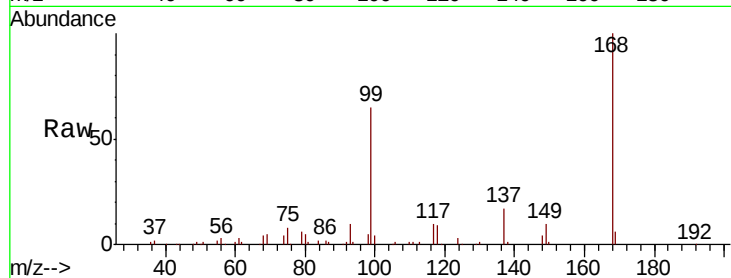
VD0605SBL01

Tot Ion:168 Resp: 827863

Ion Ratio Lower Upper

168 100

99 64.5 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

300000

250000

200000

150000

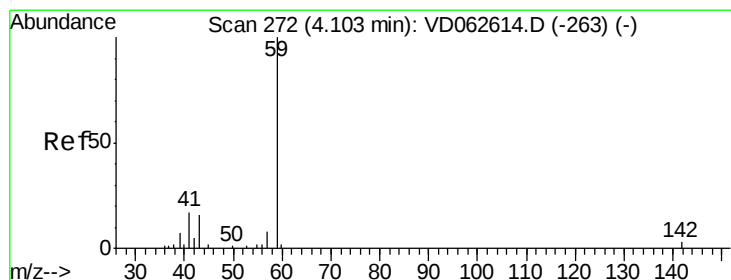
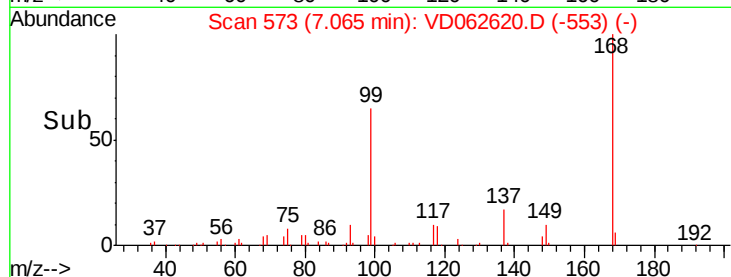
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#11

Tert butyl alcohol

Concen: 14.385 ug/l

RT: 4.00 min Scan# 262

Delta R.T. -0.10 min

Lab File: VD062620.D

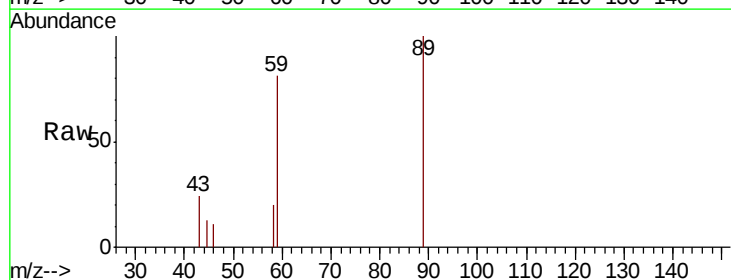
Acq: 6 Jun 2019 11:40

Tgt Ion: 59 Resp: 7310

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

4.00

3000

2500

2000

1500

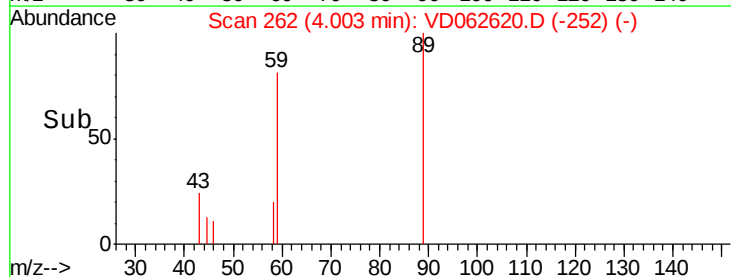
1000

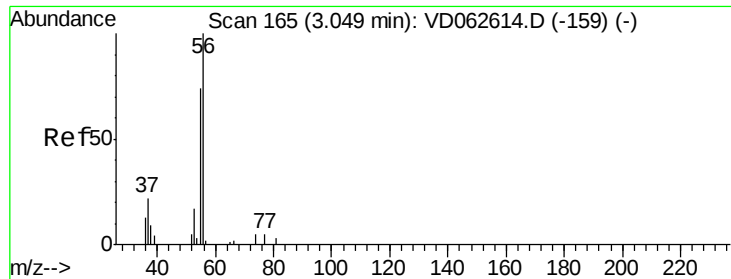
500

0

Time-->

3.90 3.95 4.00 4.05 4.10





#13

Acrolein

Concen: 1.285 ug/l

RT: 3.05 min Scan# 165

Delta R.T. -0.00 min

Lab File: VD062620.D

Acq: 6 Jun 2019 11:40

Instrument :

MSVOA_D

ClientSampleId :

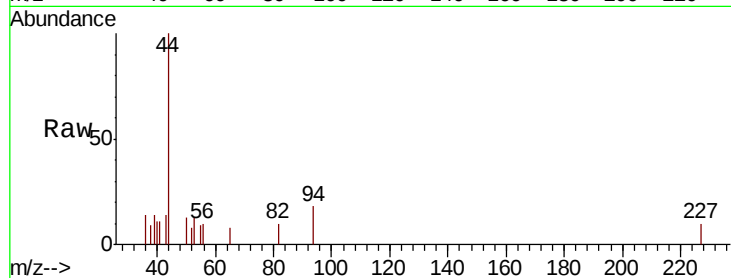
VD0605SBL01

Tot Ion: 56 Resp: 231

Ion Ratio Lower Upper

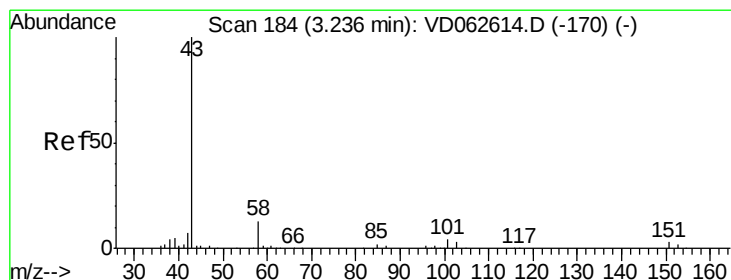
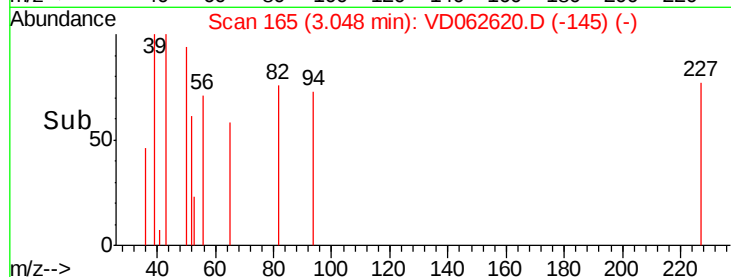
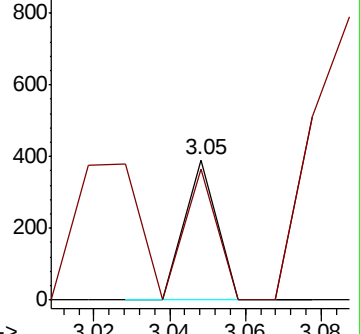
56 100

55 93.6 61.4 92.0#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#16

Acetone

Concen: 4.688 ug/l

RT: 3.24 min Scan# 185

Delta R.T. 0.01 min

Lab File: VD062620.D

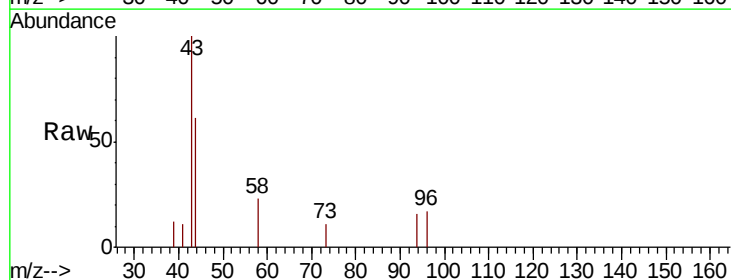
Acq: 6 Jun 2019 11:40

Tgt Ion: 43 Resp: 9560

Ion Ratio Lower Upper

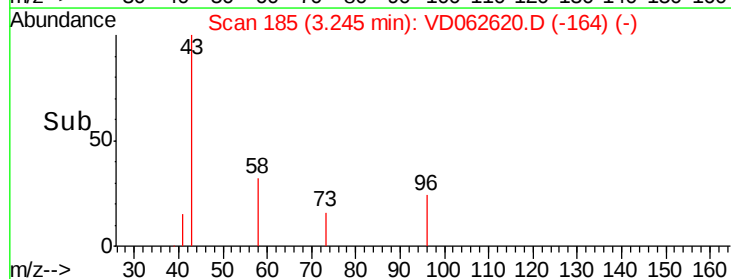
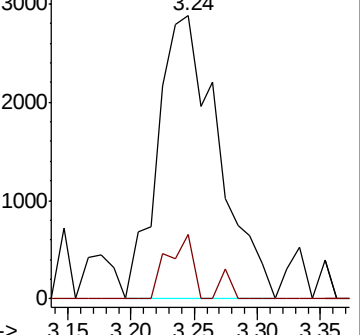
43 100

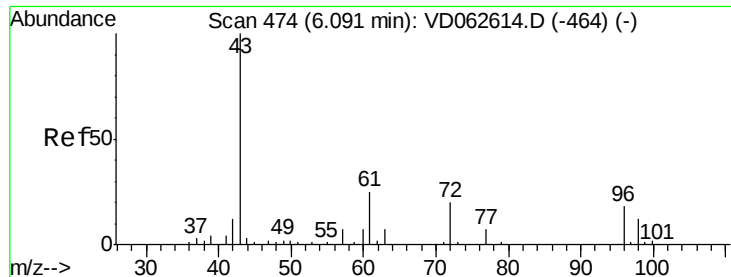
58 22.8 10.7 16.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#25

2-Butanone

Concen: 5.110 ug/l

RT: 6.19 min Scan# 484

Delta R.T. 0.10 min

Lab File: VD062620.D

Acq: 6 Jun 2019 11:40

Instrument :

MSVOA_D

ClientSampleId :

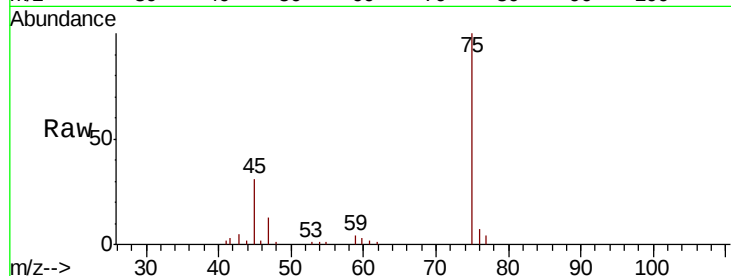
VD0605SBL01

Tot Ion: 43 Resp: 9900

Ion Ratio Lower Upper

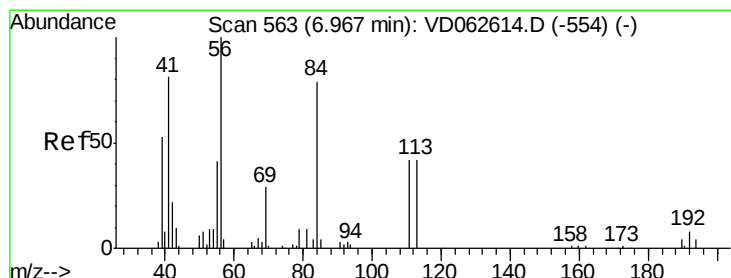
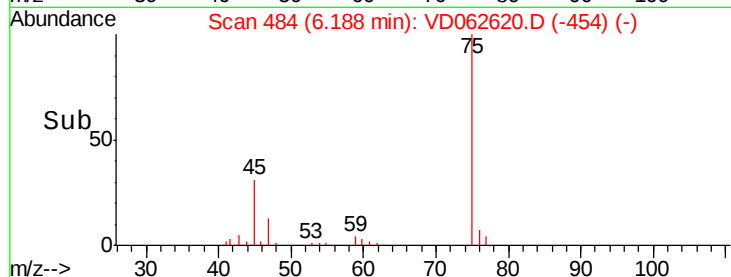
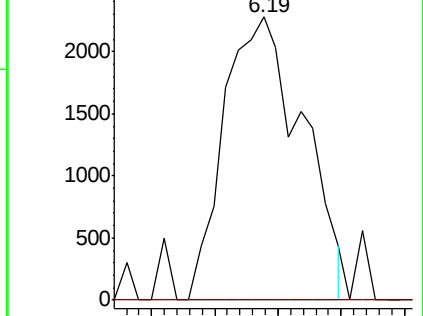
43 100

72 0.0 15.7 23.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 2.132 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.09 min

Lab File: VD062620.D

Acq: 6 Jun 2019 11:40

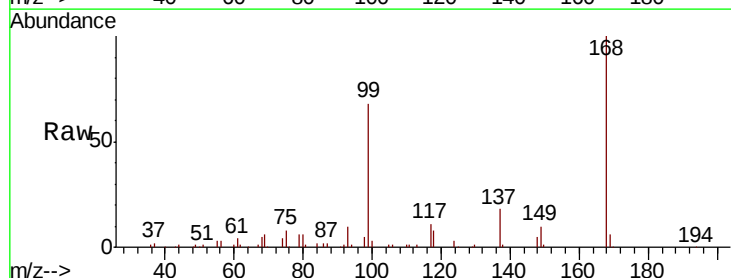
Tgt Ion: 56 Resp: 19928

Ion Ratio Lower Upper

56 100

69 233.2 23.0 34.4#

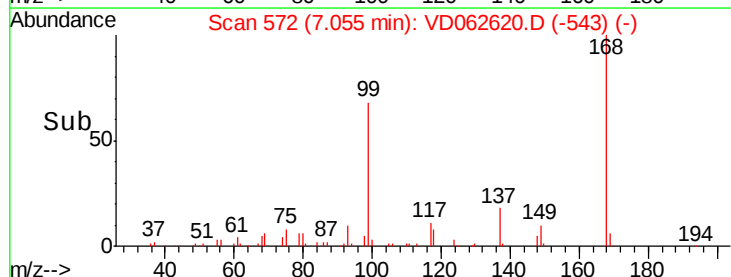
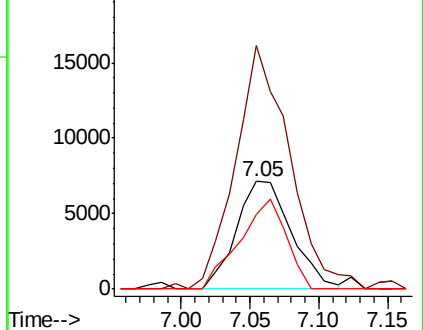
84 70.0 66.0 99.0

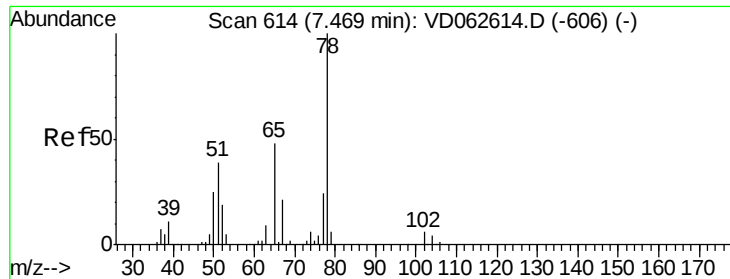


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC





#33

1,2-Dichloroethane-d4

Concen: 56.098 ug/l

RT: 7.47 min Scan# 614

Delta R.T. -0.00 min

Lab File: VD062620.D

Acq: 6 Jun 2019 11:40

Instrument :

MSVOA_D

ClientSampleId :

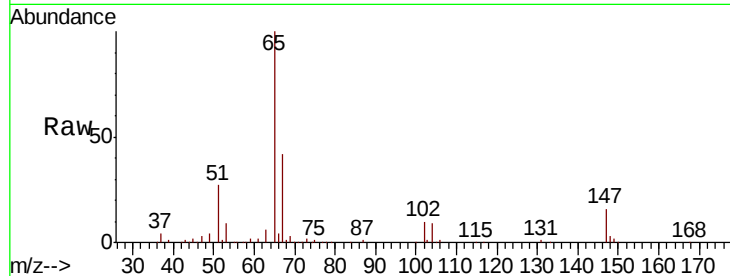
VD0605SBL01

Tot Ion: 65 Resp: 636623

Ion Ratio Lower Upper

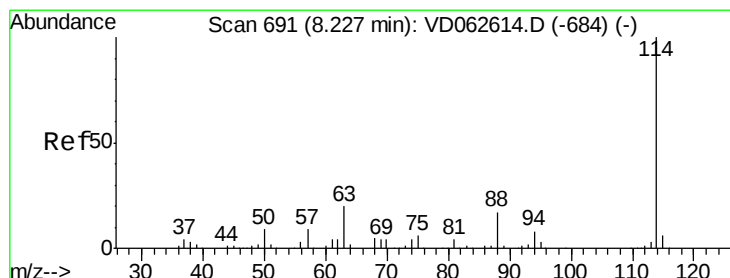
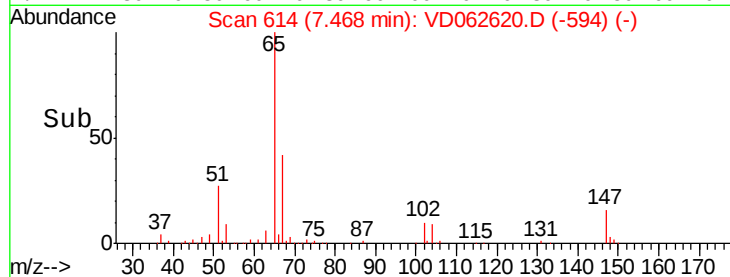
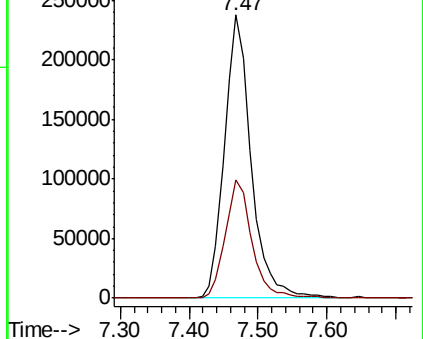
65 100

67 42.0 0.0 86.2



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: 8.24 min Scan# 692

Delta R.T. 0.01 min

Lab File: VD062620.D

Acq: 6 Jun 2019 11:40

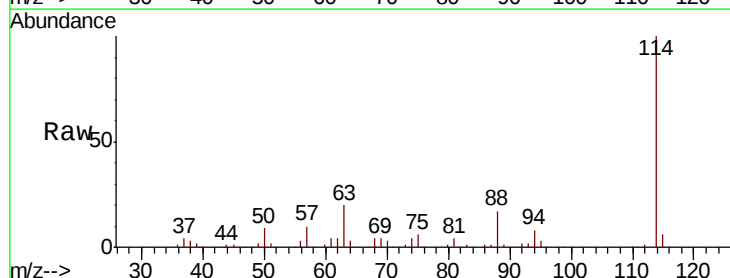
Tgt Ion: 114 Resp: 1161349

Ion Ratio Lower Upper

114 100

63 20.2 0.0 41.0

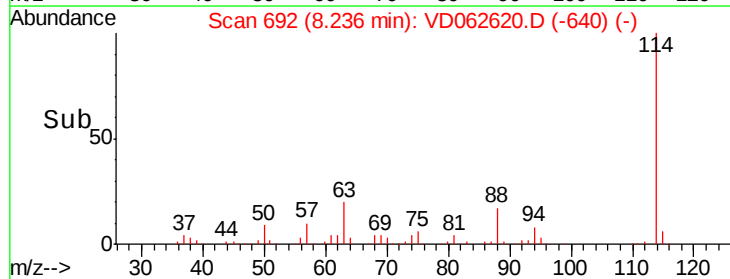
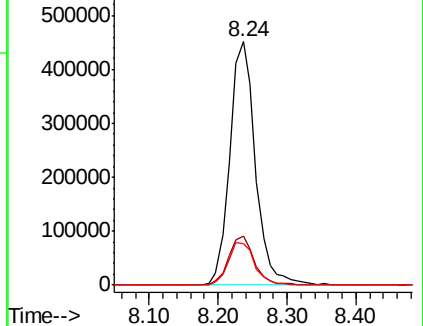
88 17.0 0.0 34.2

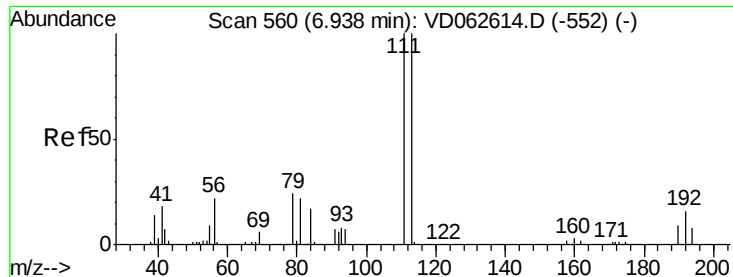


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 54.967 ug/l

RT: 6.94 min Scan# 560

Delta R.T. -0.00 min

Lab File: VD062620.D

Acq: 6 Jun 2019 11:40

Instrument :

MSVOA_D

ClientSampleId :

VD0605SBL01

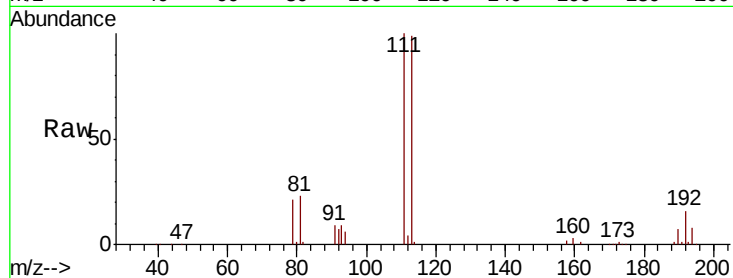
Tot Ion:113 Resp: 648805

Ion Ratio Lower Upper

113 100

111 101.2 80.1 120.1

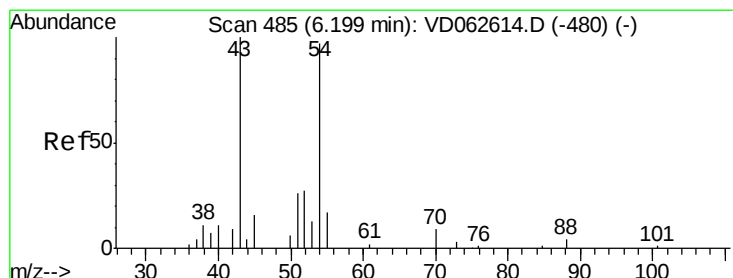
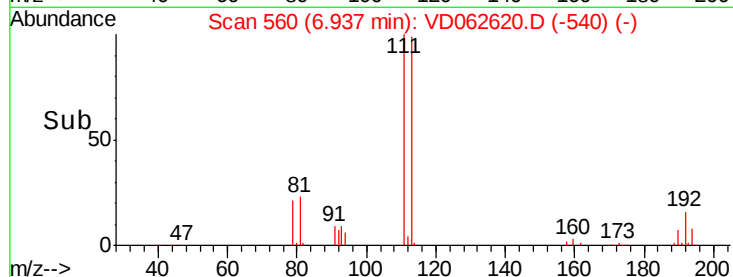
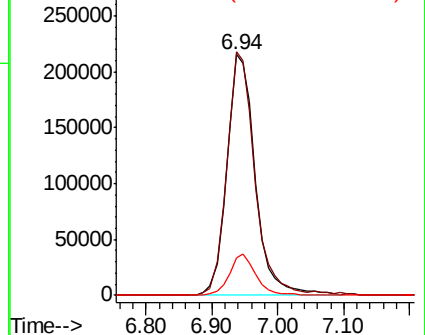
192 15.7 13.0 19.6



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: 1.965 ug/l

RT: 6.19 min Scan# 484

Delta R.T. -0.01 min

Lab File: VD062620.D

Acq: 6 Jun 2019 11:40

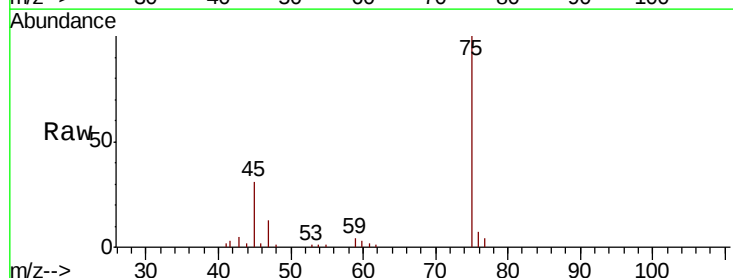
Tgt Ion: 43 Resp: 9899

Ion Ratio Lower Upper

43 100

61 45.1 8.8 13.2#

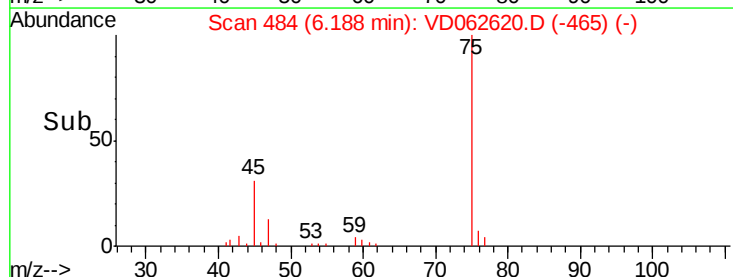
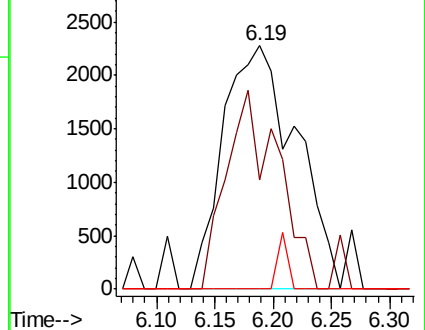
70 0.0 5.6 8.4#

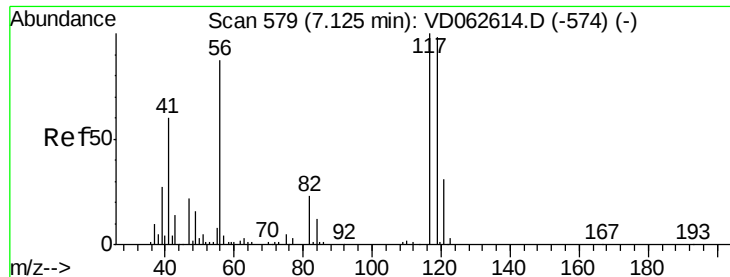


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC





#38

Carbon Tetrachloride

Concen: 4.522 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.07 min

Lab File: VD062620.D

Acq: 6 Jun 2019 11:40

Instrument :

MSVOA_D

ClientSampleId :

VD0605SBL01

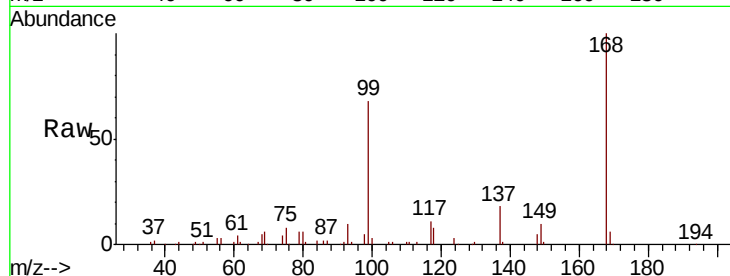
Tot Ion:117 Resp: 84746

Ion Ratio Lower Upper

117 100

119 0.0 74.1 111.1#

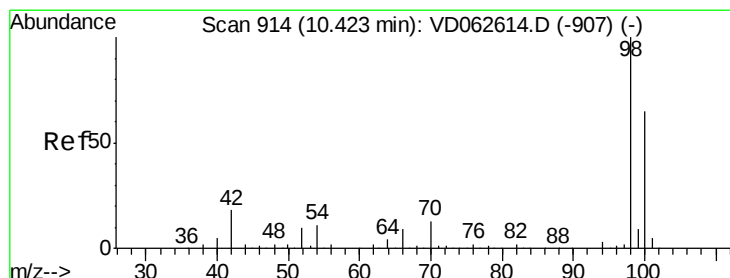
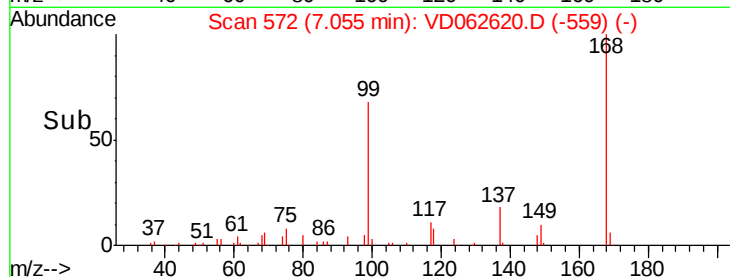
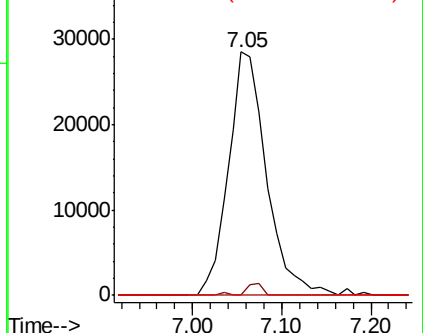
121 0.0 23.5 35.3#



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: 51.883 ug/l

RT: 10.42 min Scan# 914

Delta R.T. -0.00 min

Lab File: VD062620.D

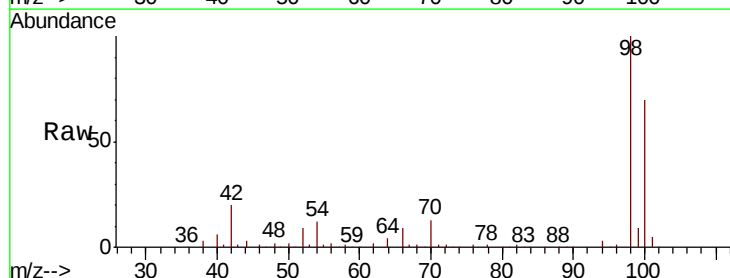
Acq: 6 Jun 2019 11:40

Tgt Ion: 98 Resp: 1319270

Ion Ratio Lower Upper

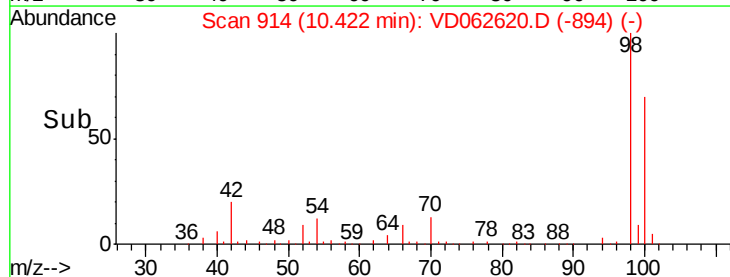
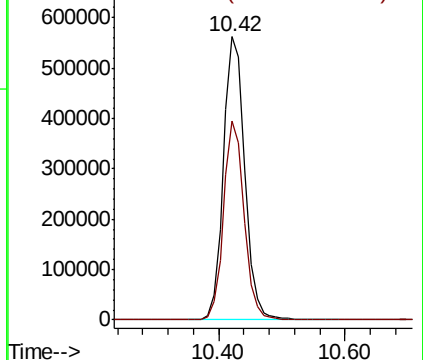
98 100

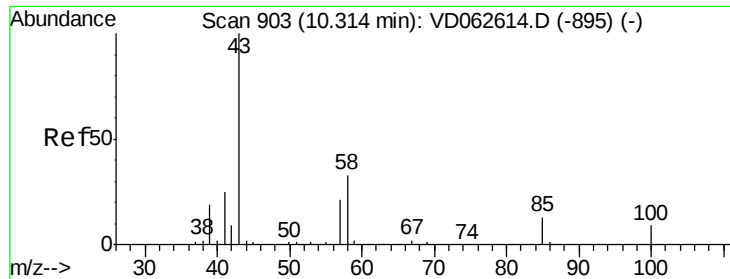
100 70.2 52.8 79.2



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: 1.038 ug/l

RT: 10.32 min Scan# 904

Delta R.T. 0.01 min

Lab File: VD062620.D

Acq: 6 Jun 2019 11:40

Instrument :

MSVOA_D

ClientSampleID :

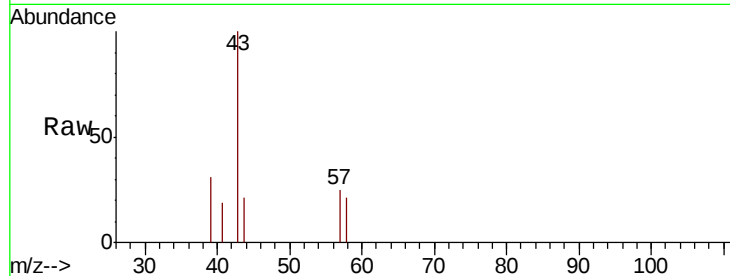
VD0605SBL01

Tot Ion: 43 Resp: 4679

Ion Ratio Lower Upper

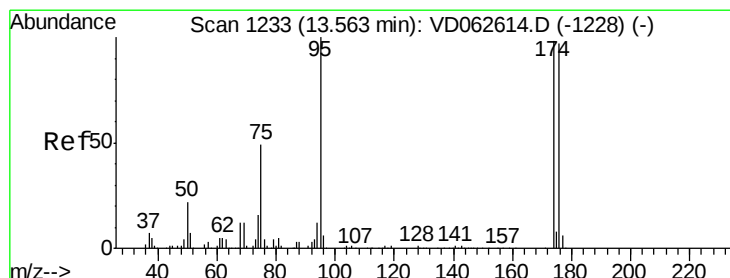
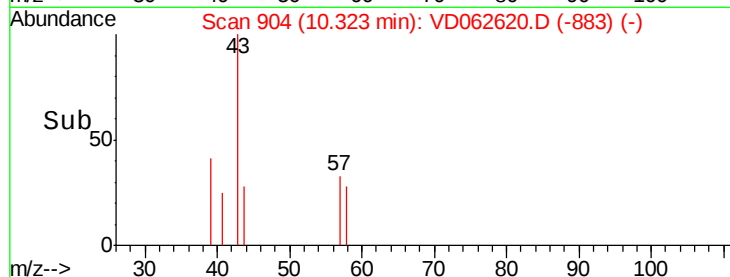
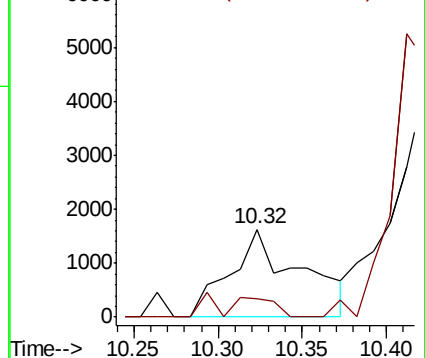
43 100

58 21.2 26.8 40.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#62

4-Bromofluorobenzene

Concen: 49.602 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.00 min

Lab File: VD062620.D

Acq: 6 Jun 2019 11:40

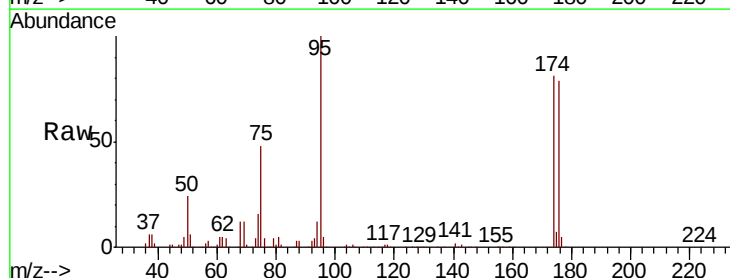
Tgt Ion: 95 Resp: 594602

Ion Ratio Lower Upper

95 100

174 80.8 0.0 195.8

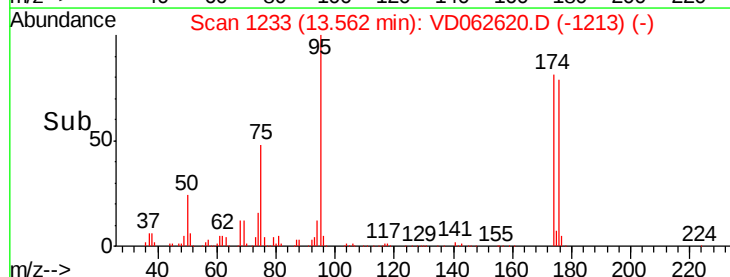
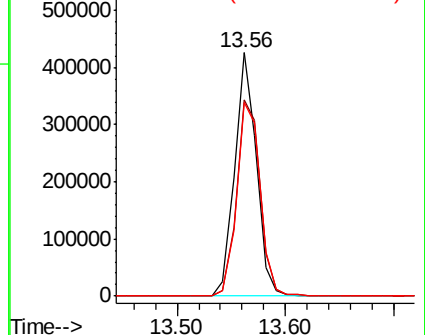
176 79.4 0.0 193.2

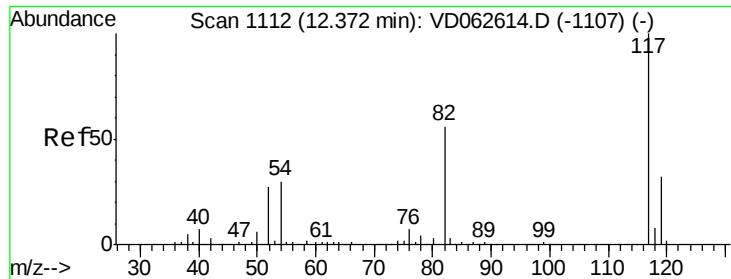


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

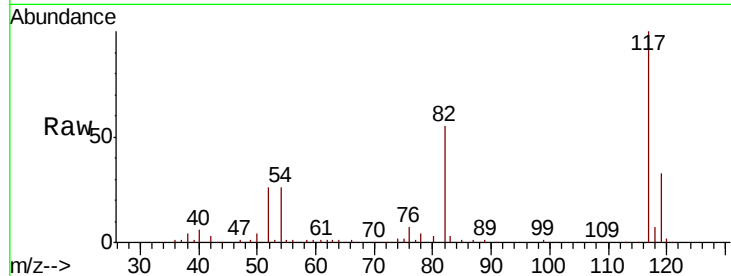




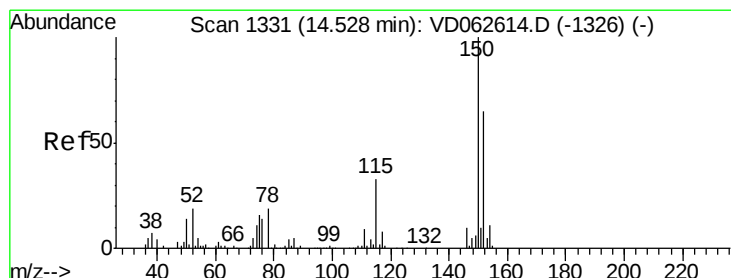
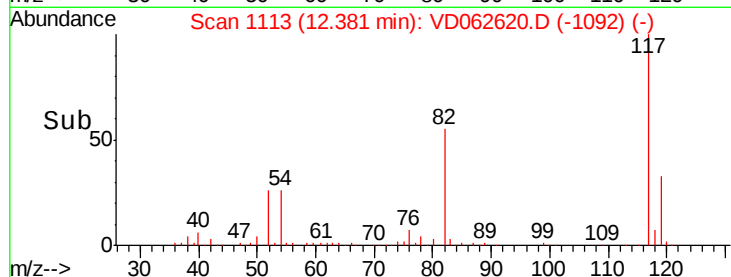
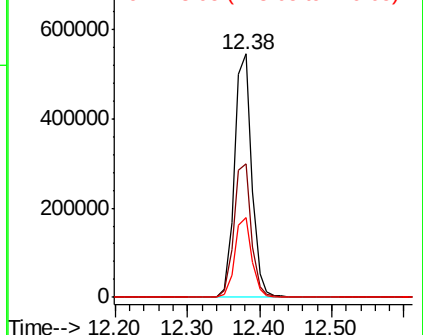
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.01 min
Lab File: VD062620.D
Acq: 6 Jun 2019 11:40

Instrument :
MSVOA_D
ClientSampleId :
VD0605SBL01

Tot Ion:117 Resp: 918697
Ion Ratio Lower Upper
117 100
82 54.8 45.0 67.6
119 32.5 25.7 38.5

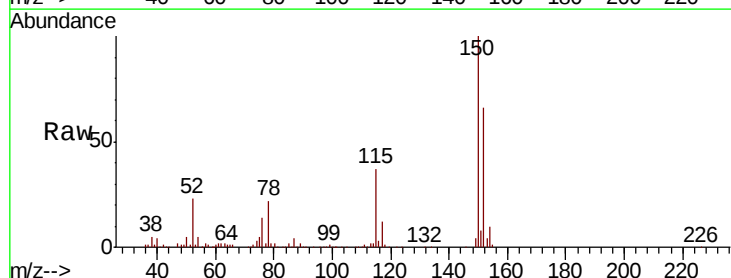


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

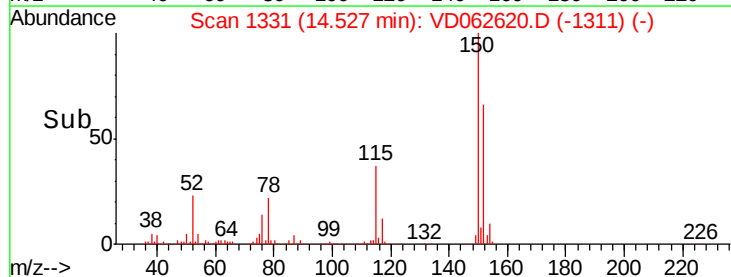
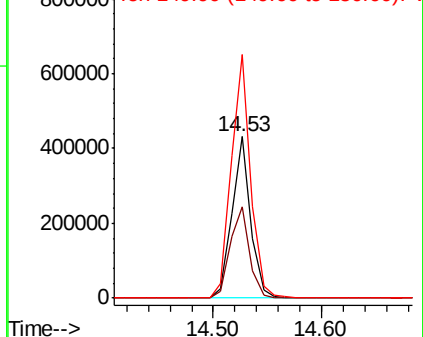


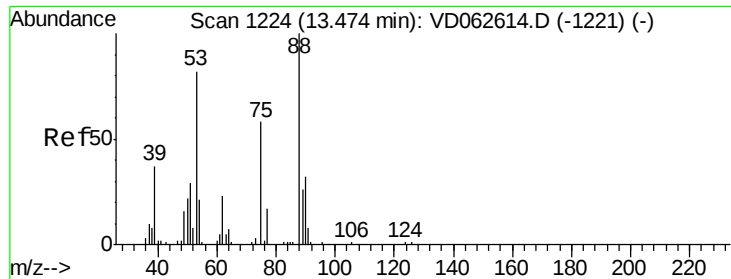
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. -0.00 min
Lab File: VD062620.D
Acq: 6 Jun 2019 11:40

Tgt Ion:152 Resp: 516971
Ion Ratio Lower Upper
152 100
115 56.2 27.1 81.3
150 150.9 0.0 315.0



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: 170.787 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD062620.D

Acq: 6 Jun 2019 11:40

Instrument :

MSVOA_D

ClientSampleId :

VD0605SBL01

Tot Ion: 75 Resp: 296049

Ion Ratio Lower Upper

75 100

53 0.0 113.2 169.8#

89 0.0 36.9 55.3#

