

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062519\
 Data File : VD062876.D
 Acq On : 25 Jun 2019 13:53
 Operator : VA/AP
 Sample : K3500-04RE
 Misc : 5.24g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-4(9-10)

Quant Time: Jun 26 05:34:23 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	7.06	168	846832	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1210796	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	931024	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	363912	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	411745	44.73	ug/l	0.00
Spiked Amount			Recovery	=	89.46%	
35) Dibromofluoromethane	6.94	113	438639	42.96	ug/l	0.00
Spiked Amount			Recovery	=	85.92%	
50) Toluene-d8	10.41	98	877042	39.47	ug/l	0.00
Spiked Amount			Recovery	=	78.94%	
62) 4-Bromofluorobenzene	13.55	95	312597	30.94	ug/l	0.00
Spiked Amount			Recovery	=	61.88%	

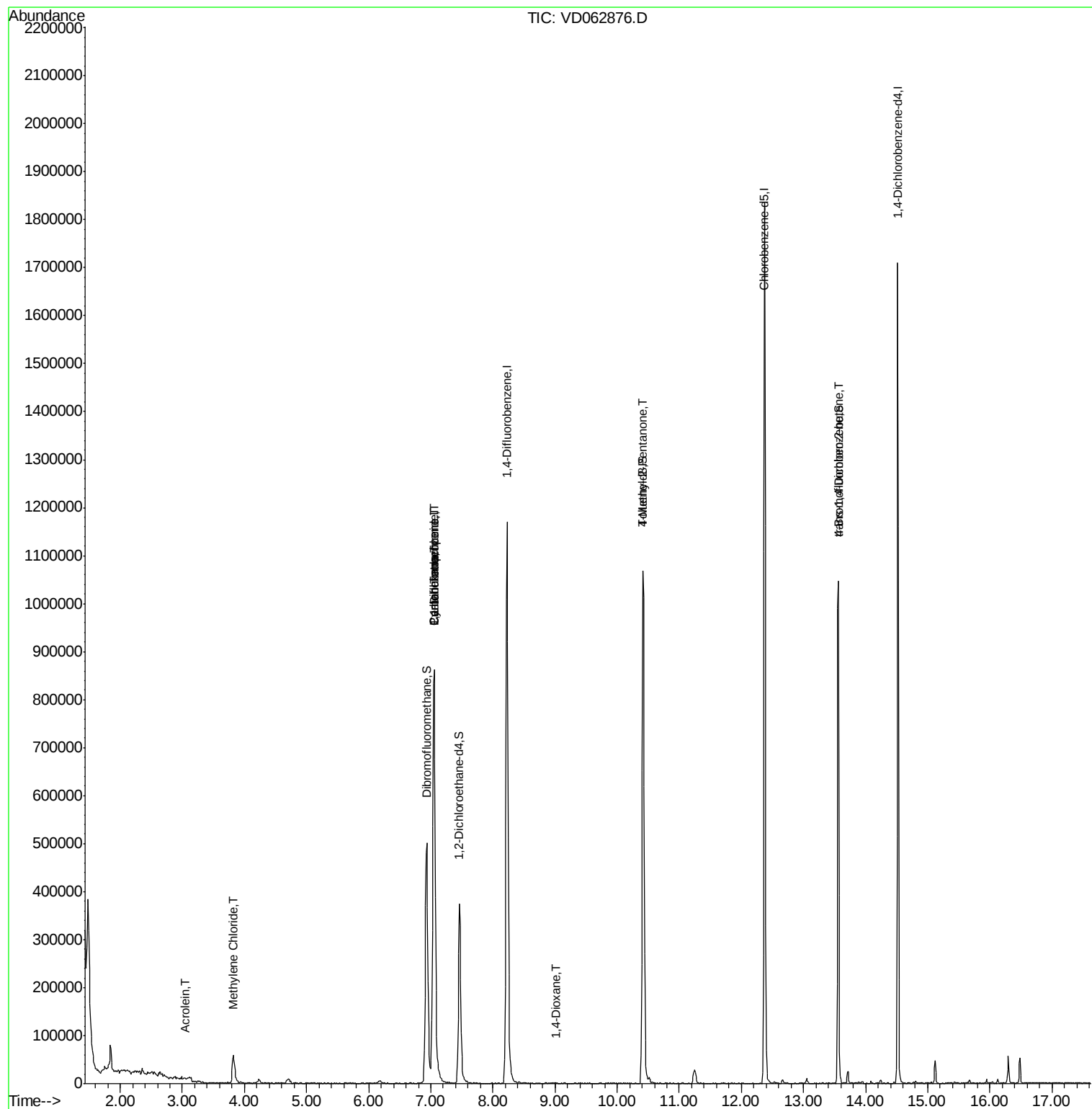
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.05	56	470	1.098	ug/l	88
16) Acetone	3.22	43	3179	Below Cal	#	64
20) Methylene Chloride	3.82	84	36023	5.131	ug/l #	85
31) Cyclohexane	7.06	56	18260	2.112	ug/l #	1
36) 1,1-Dichloropropene	7.06	75	65218	5.690	ug/l #	50
37) Ethyl Acetate	6.21	43	262	Below Cal	#	69
38) Carbon Tetrachloride	7.05	117	89266	5.178	ug/l #	16
49) 1,4-Dioxane	9.00	88	220	6.192	ug/l #	1
51) 4-Methyl-2-Pentanone	10.42	43	5080	1.192	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	149625	135.894	ug/l #	2

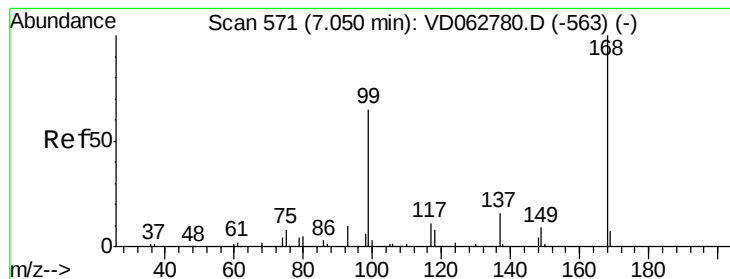
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.06 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD062876.D

Acq: 25 Jun 2019 13:53

Instrument :

MSVOA_D

ClientSampleId :

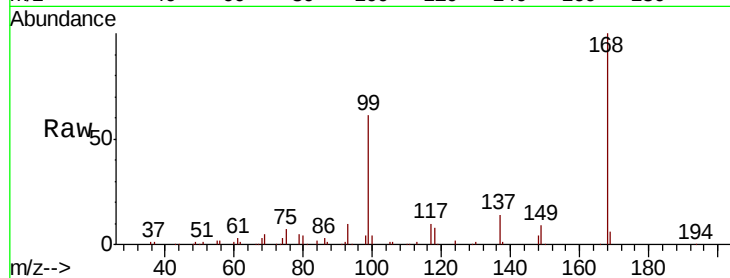
B-4(9-10)

Tot Ion:168 Resp: 846832

Ion Ratio Lower Upper

168 100

99 61.1 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

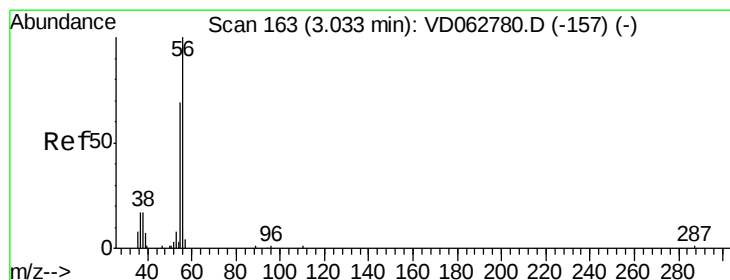
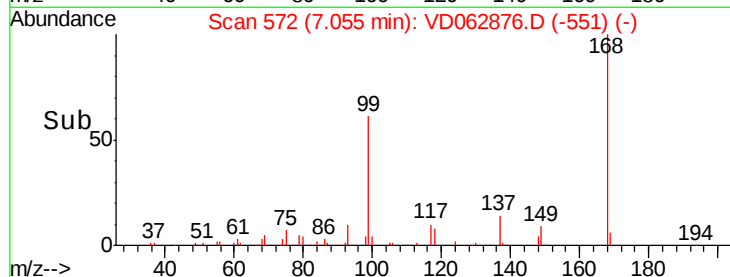
300000

200000

100000

0

Time-->



#13

Acrolein

Concen: 1.098 ug/l

RT: 3.05 min Scan# 165

Delta R.T. 0.02 min

Lab File: VD062876.D

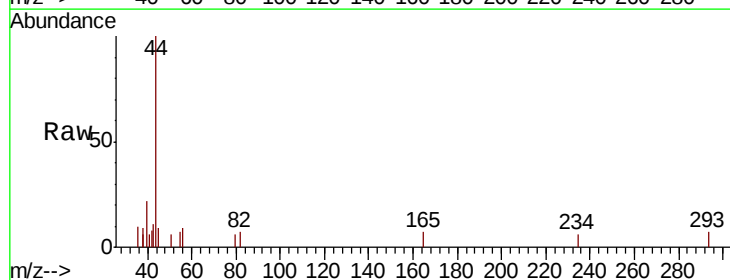
Acq: 25 Jun 2019 13:53

Tgt Ion: 56 Resp: 470

Ion Ratio Lower Upper

56 100

55 78.9 55.4 83.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

800

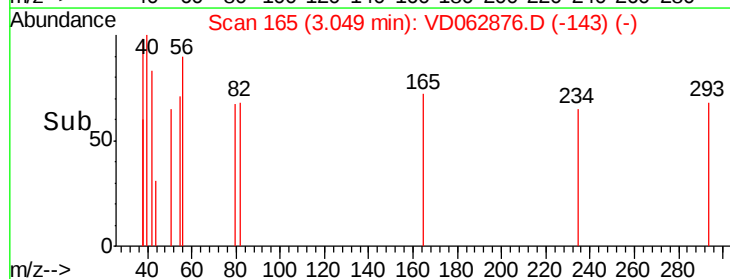
600

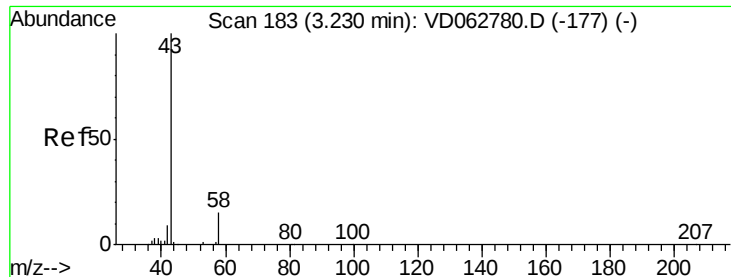
400

200

0

Time-->





#16

Acetone

Concen: Below Cal

RT: 3.22 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD062876.D

Acq: 25 Jun 2019 13:53

Instrument :

MSVOA_D

ClientSampleId :

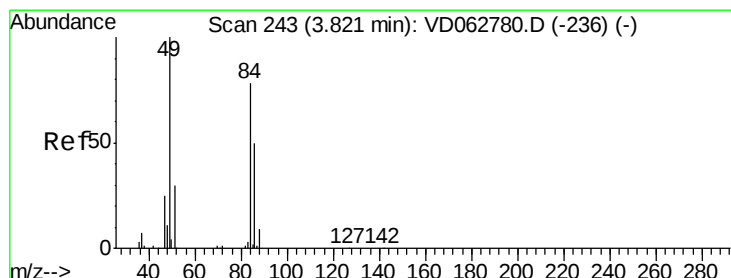
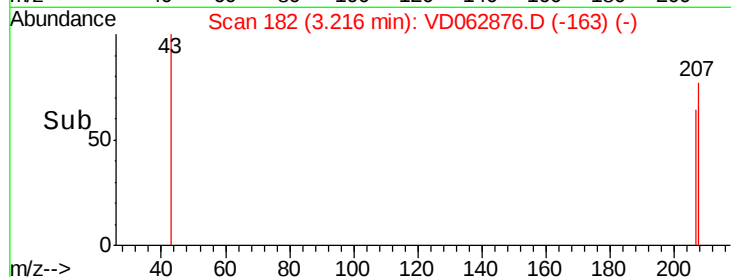
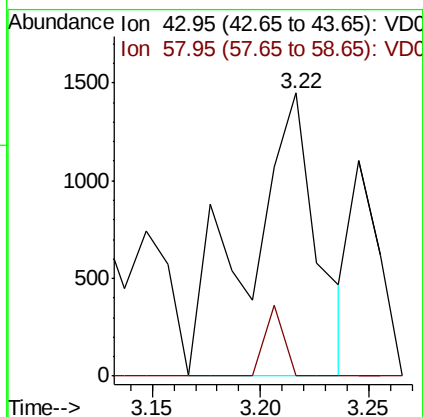
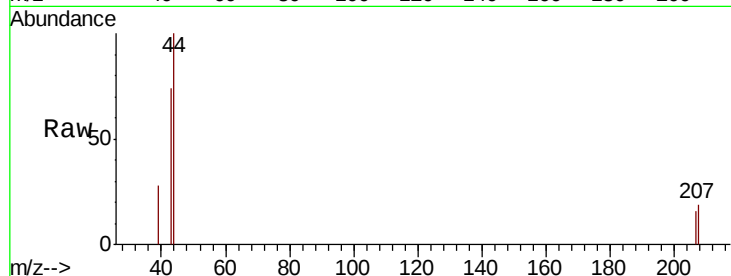
B-4(9-10)

Tot Ion: 43 Resp: 3179

Ion Ratio Lower Upper

43 100

58 0.0 11.9 17.9#



#20

Methylene Chloride

Concen: 5.131 ug/l

RT: 3.82 min Scan# 243

Delta R.T. -0.00 min

Lab File: VD062876.D

Acq: 25 Jun 2019 13:53

Tgt Ion: 84 Resp: 36023

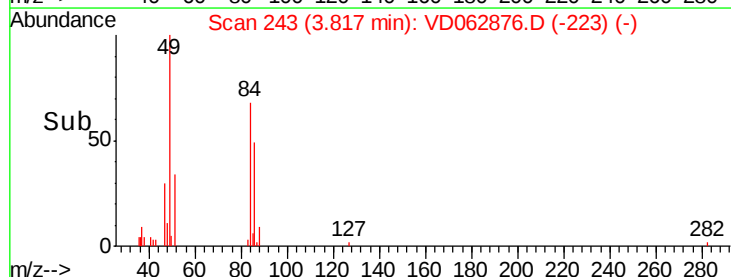
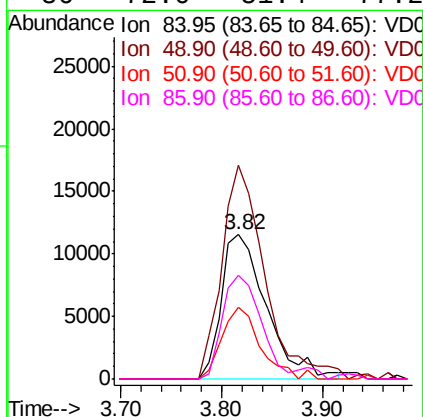
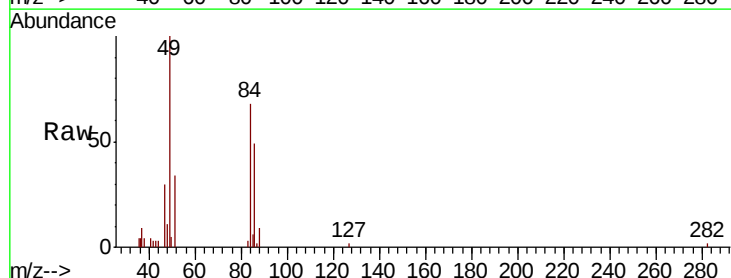
Ion Ratio Lower Upper

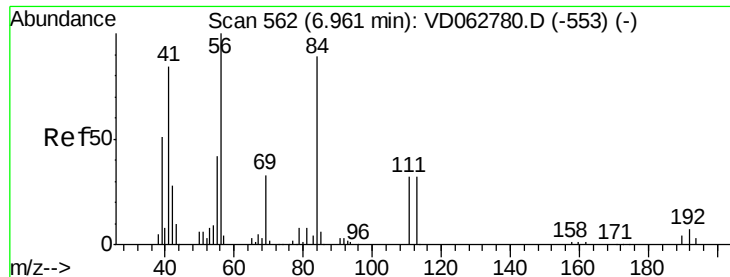
84 100

49 148.0 102.9 154.3

51 49.6 31.2 46.8#

86 72.0 51.4 77.2

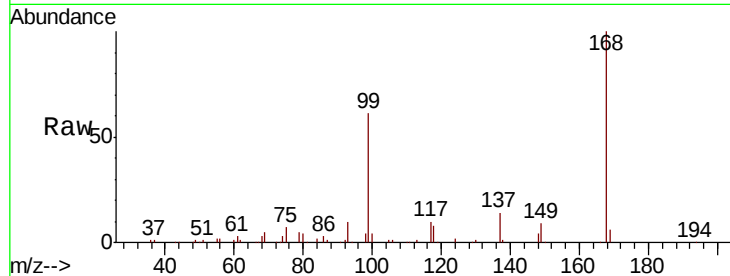




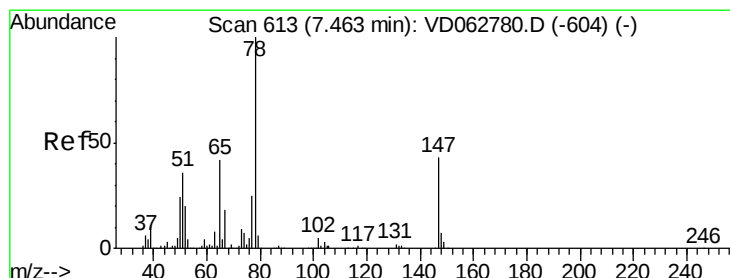
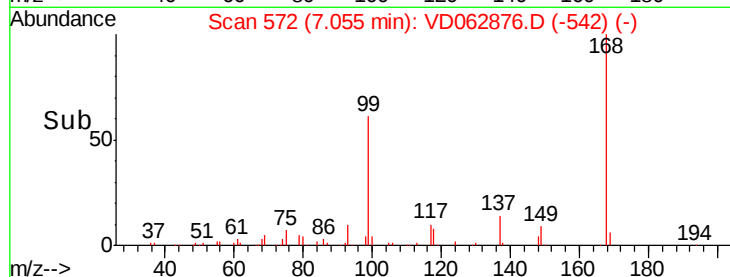
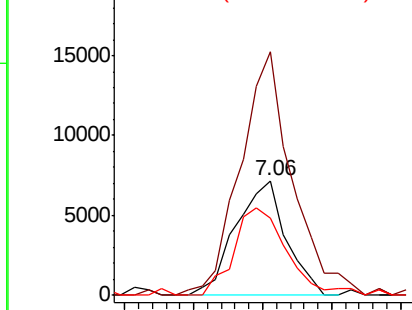
#31
Cyclohexane
Concen: 2.112 ug/l
RT: 7.06 min Scan# 572
Delta R.T. 0.09 min
Lab File: VD062876.D
Acq: 25 Jun 2019 13:53

Instrument :
MSVOA_D
ClientSampleId :
B-4(9-10)

Tot Ion: 56 Resp: 18260
Ion Ratio Lower Upper
56 100
69 211.8 26.6 39.8#
84 67.3 75.5 113.3#

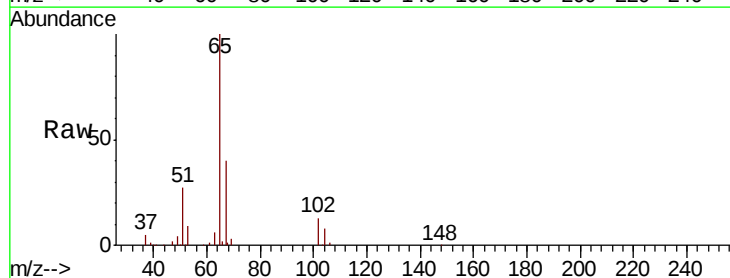


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

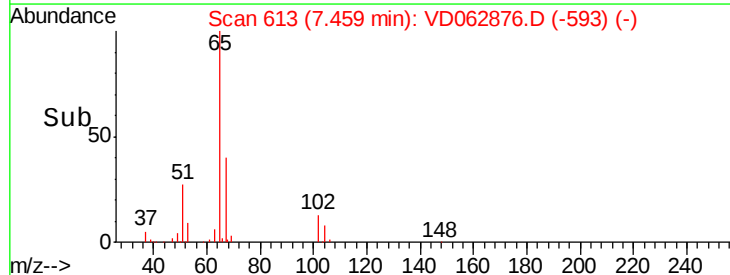
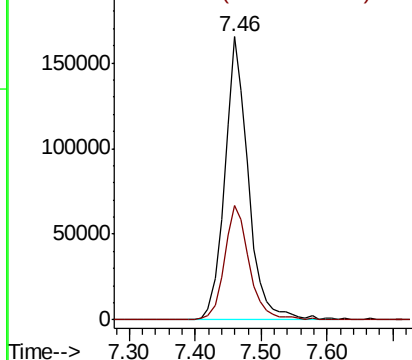


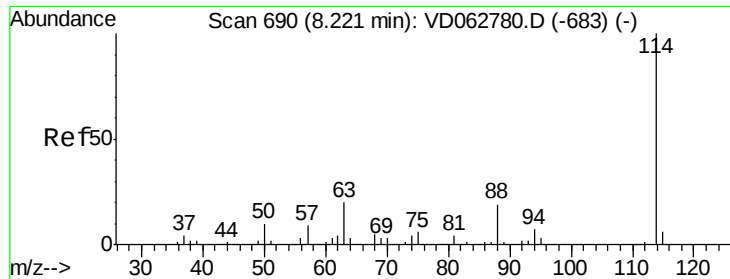
#33
1,2-Dichloroethane-d4
Concen: 44.731 ug/l
RT: 7.46 min Scan# 613
Delta R.T. -0.00 min
Lab File: VD062876.D
Acq: 25 Jun 2019 13:53

Tgt Ion: 65 Resp: 411745
Ion Ratio Lower Upper
65 100
67 40.4 0.0 87.4



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: 8.23 min Scan# 691

Delta R.T. 0.01 min

Lab File: VD062876.D

Acq: 25 Jun 2019 13:53

Instrument :

MSVOA_D

ClientSampleId :

B-4(9-10)

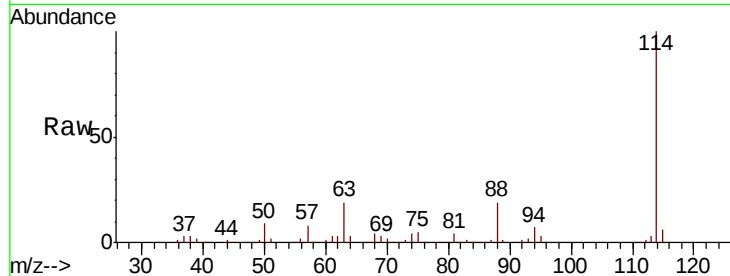
Tot Ion:114 Resp: 1210796

Ion Ratio Lower Upper

114 100

63 19.3 0.0 40.0

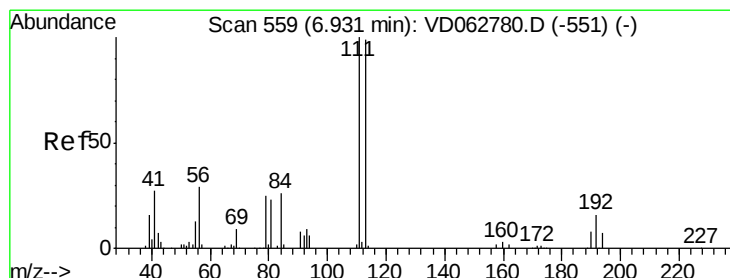
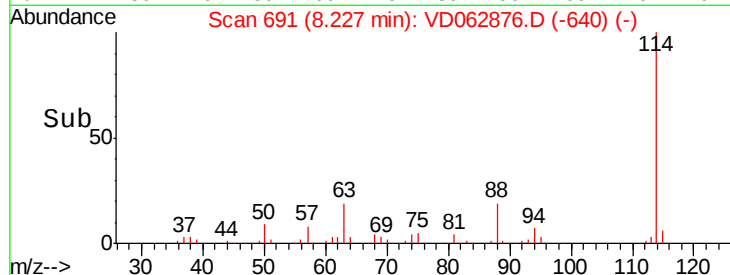
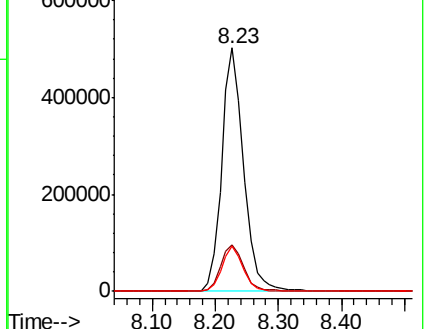
88 18.8 0.0 38.8



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 42.964 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.01 min

Lab File: VD062876.D

Acq: 25 Jun 2019 13:53

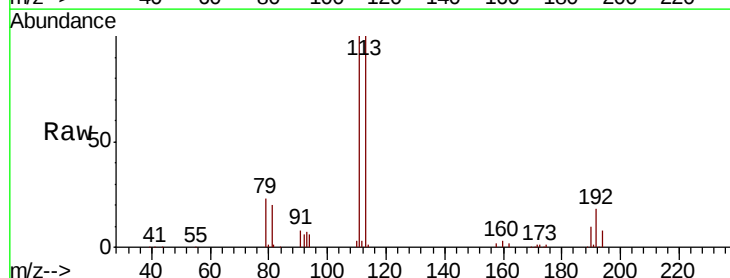
Tgt Ion:113 Resp: 438639

Ion Ratio Lower Upper

113 100

111 100.1 81.2 121.8

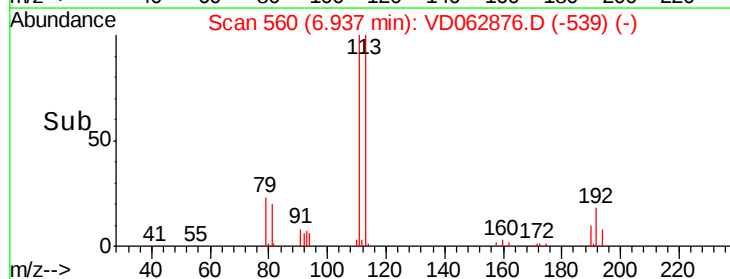
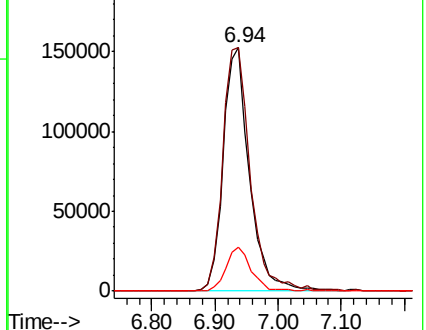
192 18.2 12.9 19.3

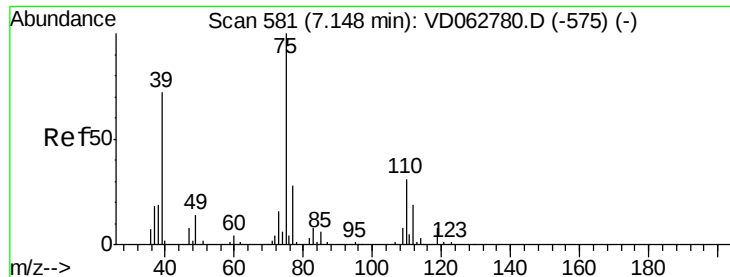


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 5.690 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.09 min

Lab File: VD062876.D

Acq: 25 Jun 2019 13:53

Instrument :

MSVOA_D

ClientSampleId :

B-4(9-10)

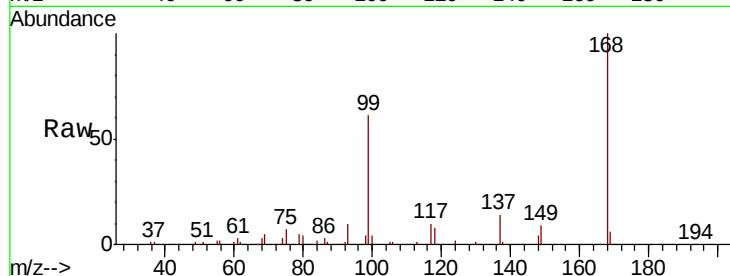
Tot Ion: 75 Resp: 65218

Ion Ratio Lower Upper

75 100

110 4.7 15.0 45.1#

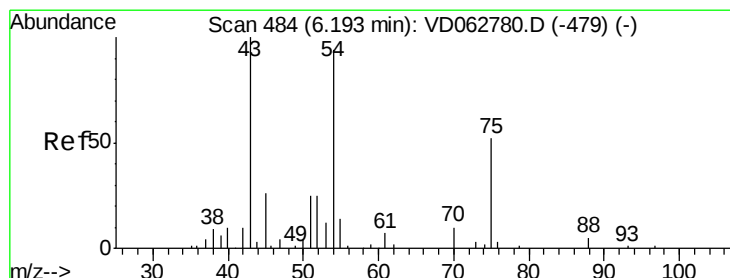
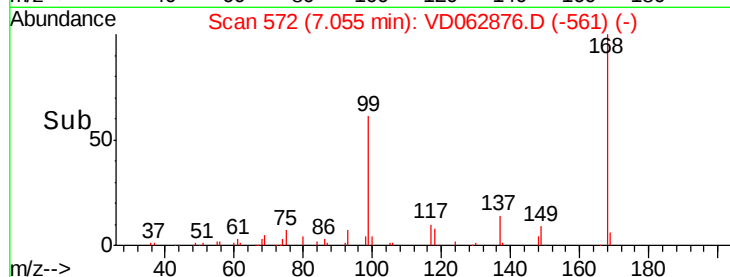
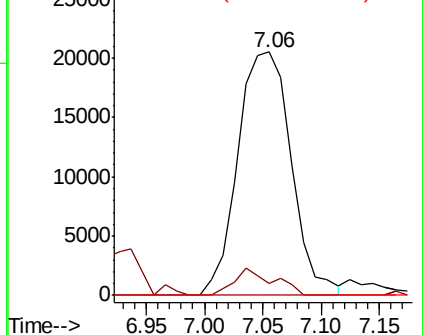
77 0.0 22.2 33.2#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.95 (76.65 to 77.65): VDC



#37

Ethyl Acetate

Concen: Below Cal

RT: 6.21 min Scan# 486

Delta R.T. 0.02 min

Lab File: VD062876.D

Acq: 25 Jun 2019 13:53

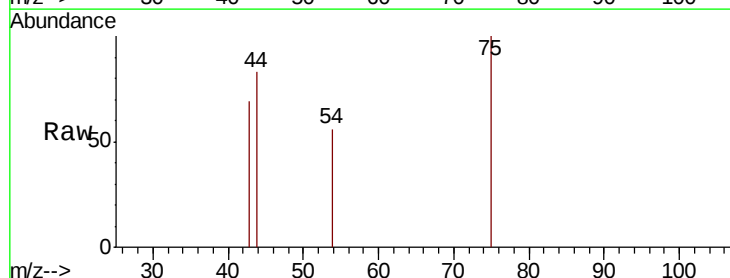
Tgt Ion: 43 Resp: 262

Ion Ratio Lower Upper

43 100

61 0.0 11.6 17.4#

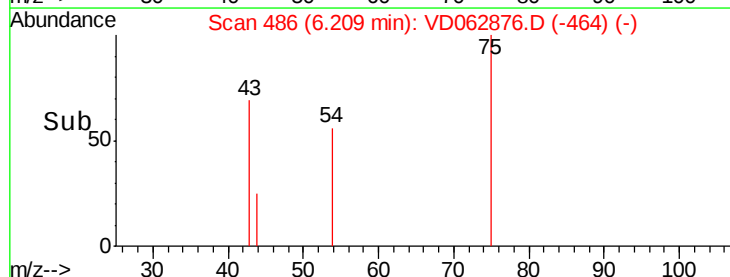
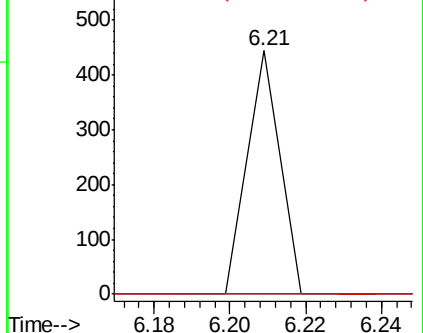
70 0.0 6.4 9.6#

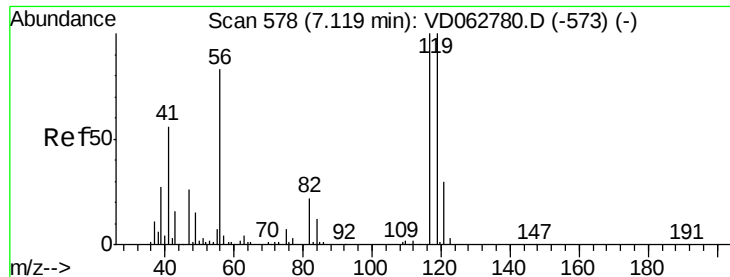


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC





#38

Carbon Tetrachloride

Concen: 5.178 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.07 min

Lab File: VD062876.D

Acq: 25 Jun 2019 13:53

Instrument :

MSVOA_D

ClientSampleId :

B-4(9-10)

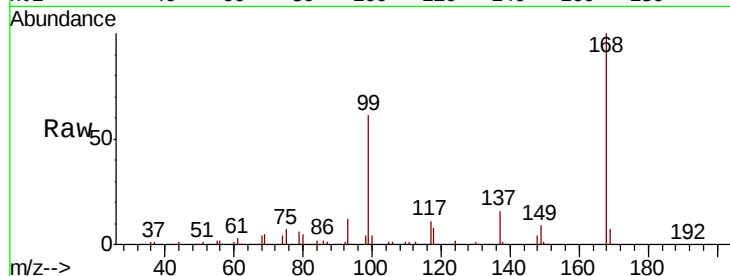
Tot Ion:117 Resp: 89266

Ion Ratio Lower Upper

117 100

119 3.9 75.4 113.2#

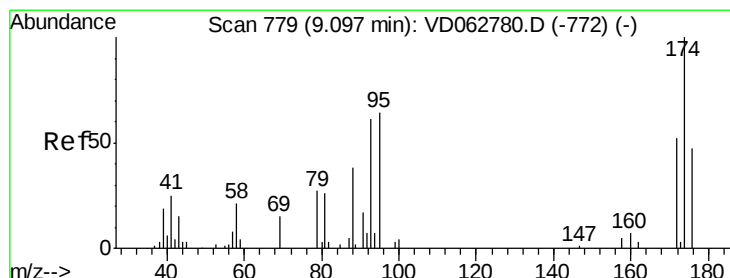
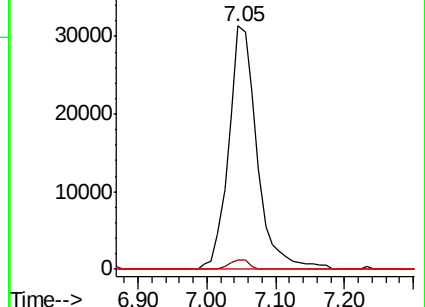
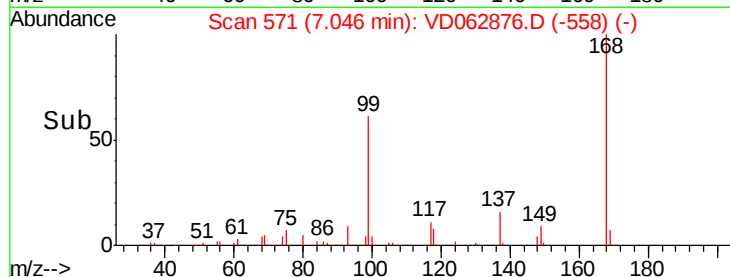
121 0.0 22.3 33.5#



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



#49

1,4-Dioxane

Concen: 6.192 ug/l

RT: 9.00 min Scan# 770

Delta R.T. -0.09 min

Lab File: VD062876.D

Acq: 25 Jun 2019 13:53

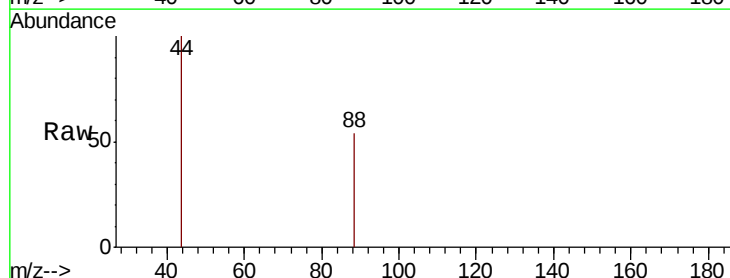
Tgt Ion: 88 Resp: 220

Ion Ratio Lower Upper

88 100

43 183.9 32.1 48.1#

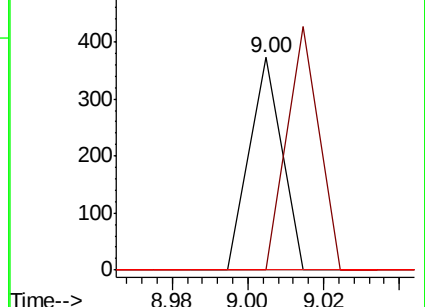
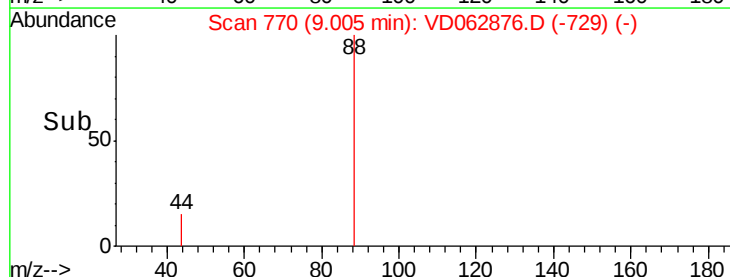
58 0.0 44.1 66.1#

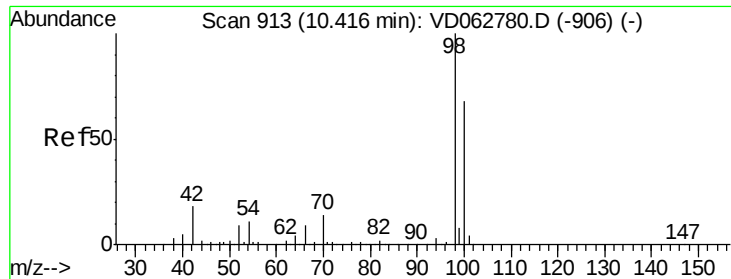


Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC





#50

Toluene-d8

Concen: 39.470 ug/l

RT: 10.41 min Scan# 913

Delta R.T. -0.00 min

Lab File: VD062876.D

Acq: 25 Jun 2019 13:53

Instrument :

MSVOA_D

ClientSampleId :

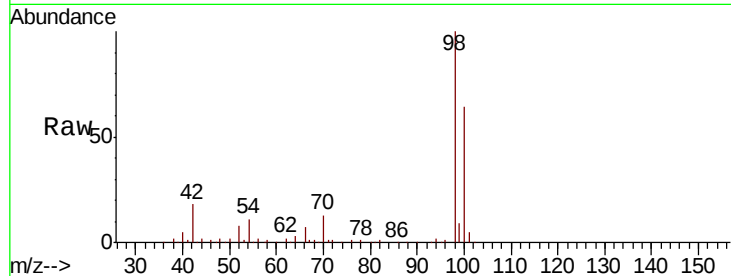
B-4(9-10)

Tot Ion: 98 Resp: 877042

Ion Ratio Lower Upper

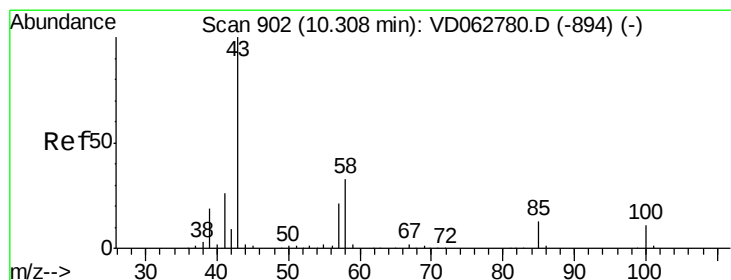
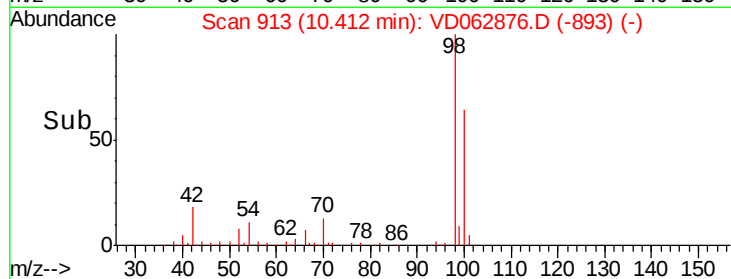
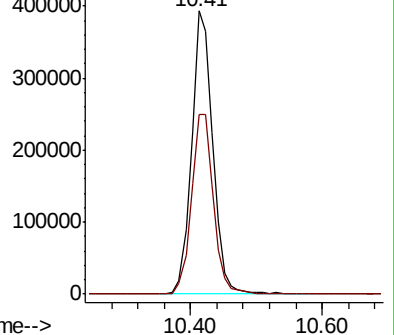
98 100

100 63.7 54.7 82.1



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC



#51

4-Methyl-2-Pentanone

Concen: 1.192 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.11 min

Lab File: VD062876.D

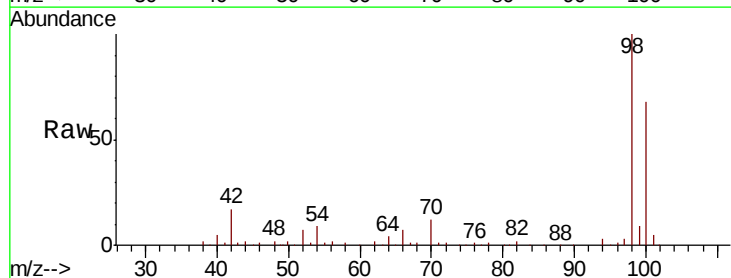
Acq: 25 Jun 2019 13:53

Tgt Ion: 43 Resp: 5080

Ion Ratio Lower Upper

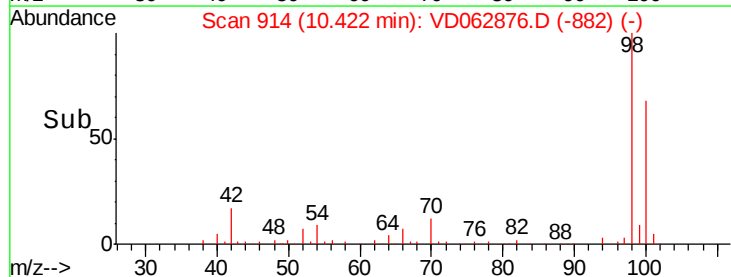
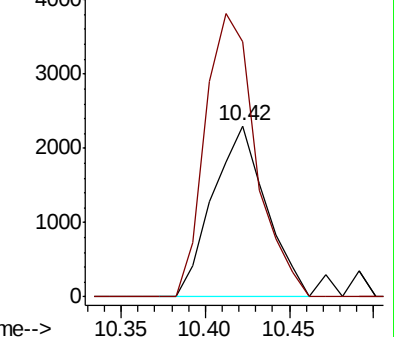
43 100

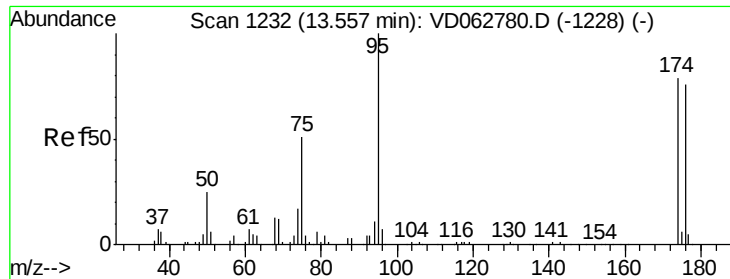
58 149.1 26.6 40.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#62

4-Bromofluorobenzene

Concen: 30.939 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD062876.D

Acq: 25 Jun 2019 13:53

Instrument :

MSVOA_D

ClientSampled :

B-4(9-10)

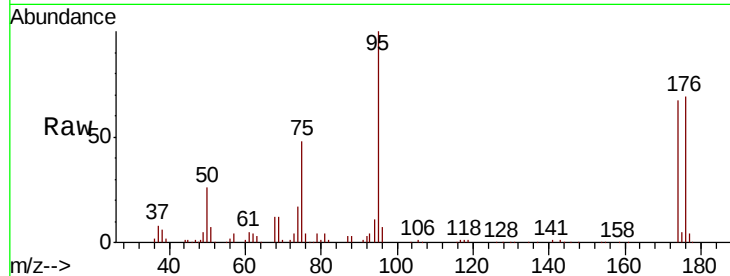
Tot Ion: 95 Resp: 312597

Ion Ratio Lower Upper

95 100

174 66.8 0.0 158.0

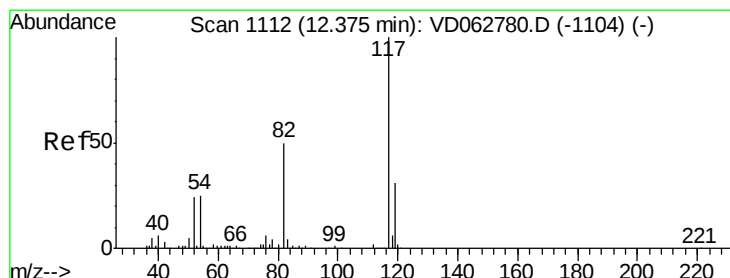
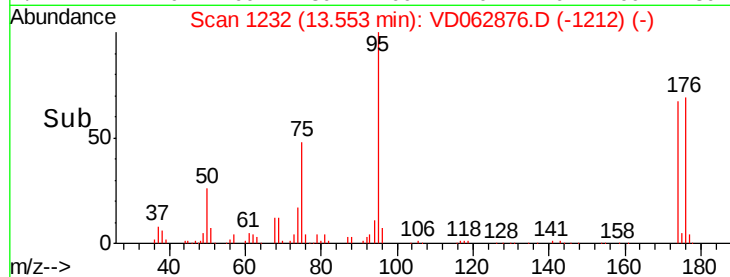
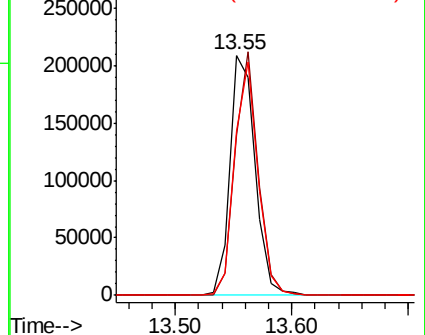
176 68.6 0.0 151.6



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: 12.37 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD062876.D

Acq: 25 Jun 2019 13:53

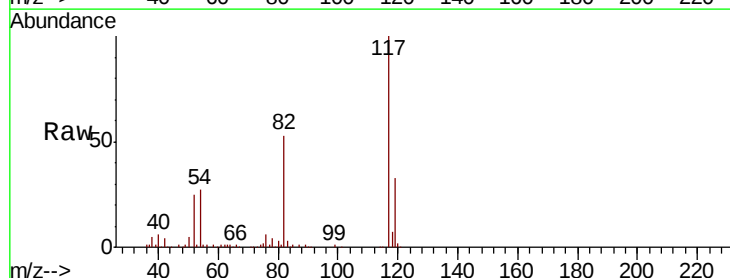
Tgt Ion: 117 Resp: 931024

Ion Ratio Lower Upper

117 100

82 52.8 40.4 60.6

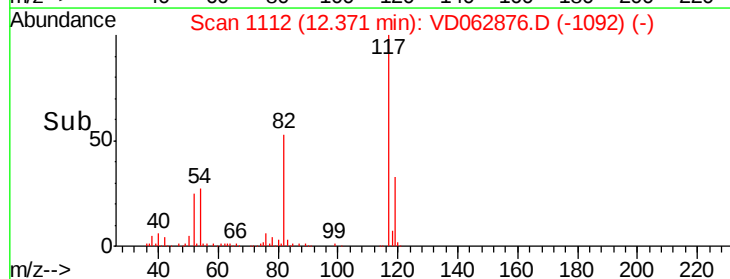
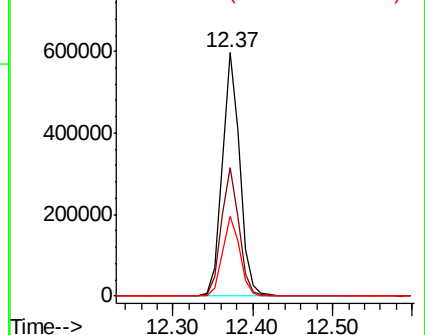
119 32.7 25.2 37.8

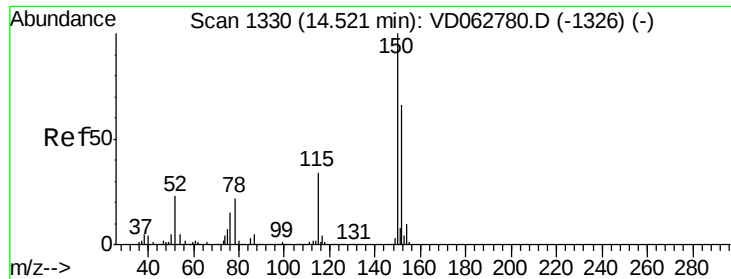


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

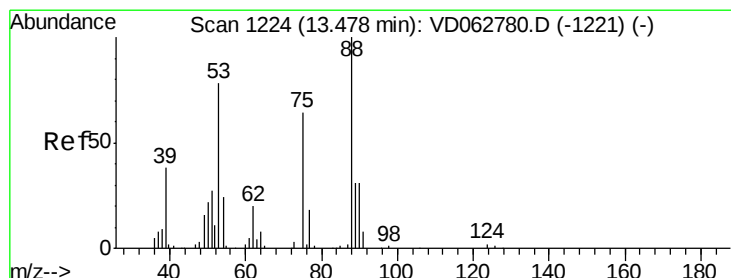
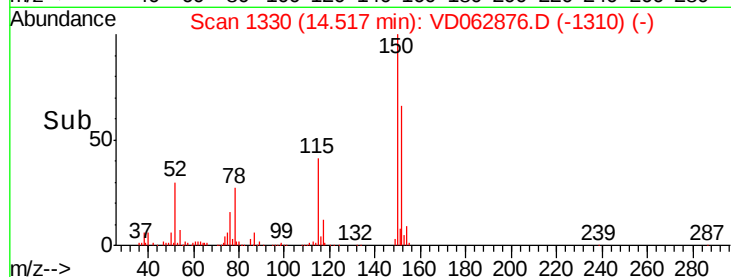
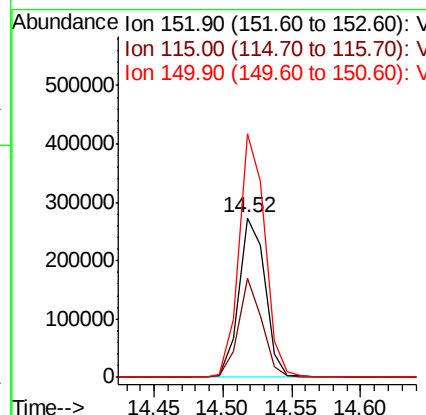
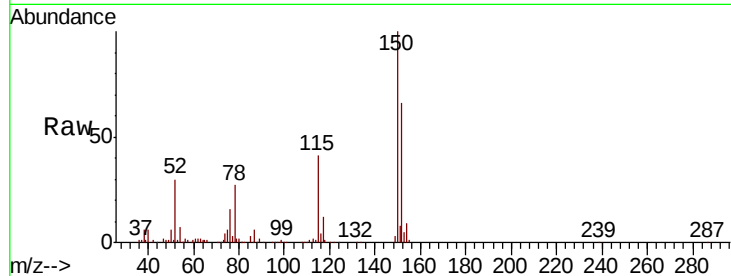




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.52 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VD062876.D
 Acq: 25 Jun 2019 13:53

Instrument :
 MSVOA_D
 ClientSampled :
 B-4(9-10)

Tot Ion	Ratio	Lower	Upper
152	100		
115	62.3	29.2	87.6
150	152.6	0.0	305.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 135.894 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.07 min
 Lab File: VD062876.D
 Acq: 25 Jun 2019 13:53

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

