

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061219\
 Data File : VD062673.D
 Acq On : 12 Jun 2019 14:47
 Operator : VA/AP
 Sample : K3273-07RE
 Misc : 4.67g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-5 1.0-1.5 060719

Quant Time: Jun 13 07:24:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 00:02:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	695195	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	931512	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	786502	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	443845	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	355497	35.44	ug/l	0.00
Spiked Amount			Recovery	=	70.88%	
35) Dibromofluoromethane	6.92	113	379279	38.61	ug/l	0.00
Spiked Amount			Recovery	=	77.22%	
50) Toluene-d8	10.40	98	710435	34.38	ug/l	-0.02
Spiked Amount			Recovery	=	68.76%	
62) 4-Bromofluorobenzene	13.55	95	379439	39.35	ug/l	0.00
Spiked Amount			Recovery	=	78.70%	

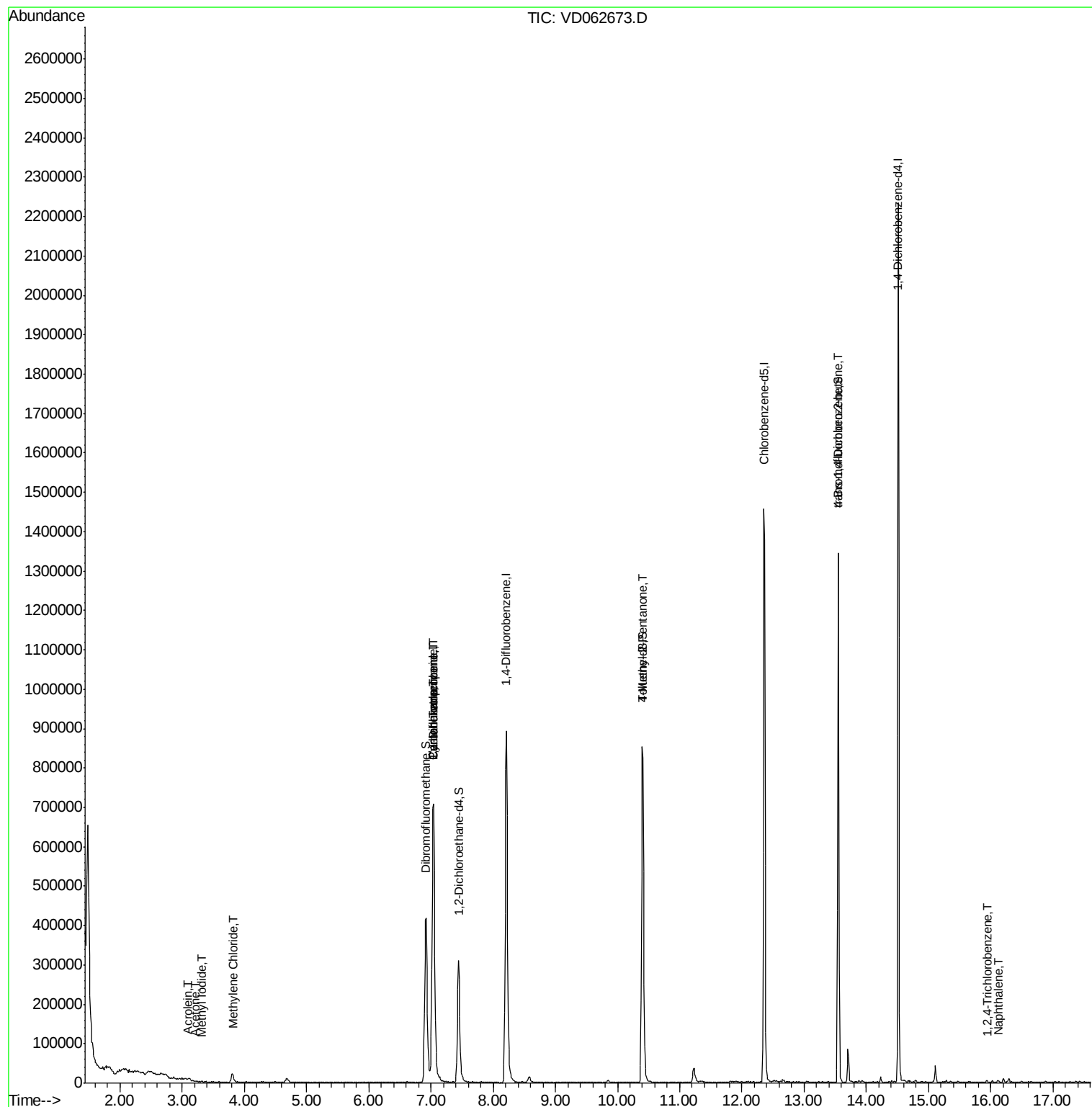
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	1732	Below Cal	#	42
10) Methyl Iodide	3.31	142	789	4.067	ug/l #	86
13) Acrolein	3.09	56	178	1.342	ug/l #	1
16) Acetone	3.21	43	5197	2.829	ug/l #	30
20) Methylene Chloride	3.81	84	12732	1.405	ug/l	85
31) Cyclohexane	7.04	56	15309	1.934	ug/l #	12
36) 1,1-Dichloropropene	7.04	75	56430	5.293	ug/l #	51
38) Carbon Tetrachloride	7.03	117	73363	4.354	ug/l #	16
51) 4-Methyl-2-Pentanone	10.40	43	4763	1.210	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	185087	99.524	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.94	180	1255	3.670	ug/l #	25
95) Naphthalene	16.12	128	4318	3.699	ug/l #	72

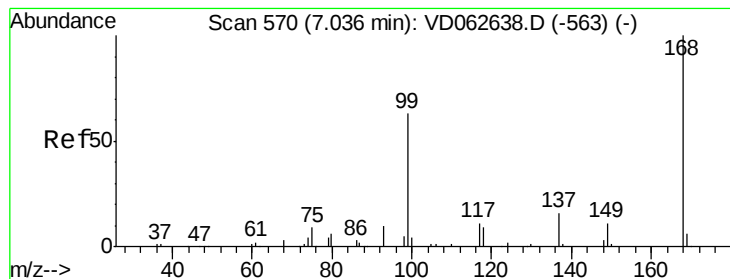
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD061219\
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MSVOA_D
ClientSampleId :
SB-5_1.0-1.5_060719

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
Quant Title : SW846 8260
QLast Update : Sat Jun 08 00:02:21 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.00 min

Lab File: VD062673.D

Acq: 12 Jun 2019 14:47

Instrument :

MSVOA_D

ClientSampleId :

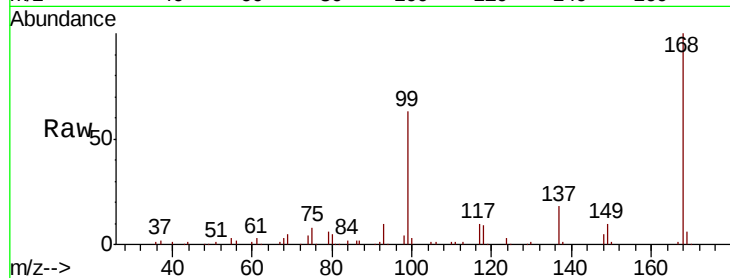
SB-5 1.0-1.5 060719

Tot Ion:168 Resp: 695195

Ion Ratio Lower Upper

168 100

99 63.2 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

250000

200000

150000

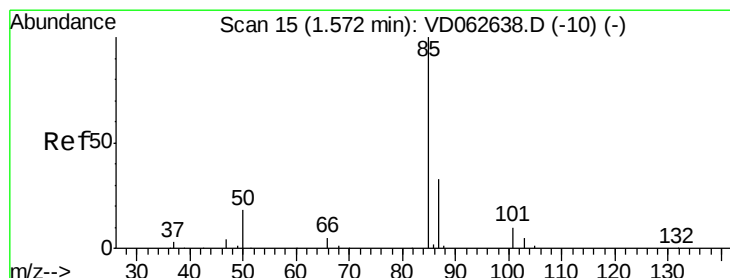
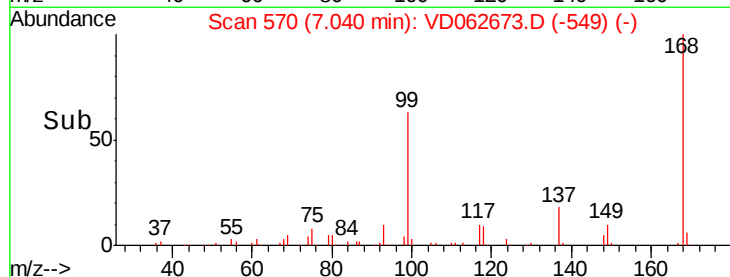
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.58 min Scan# 15

Delta R.T. 0.01 min

Lab File: VD062673.D

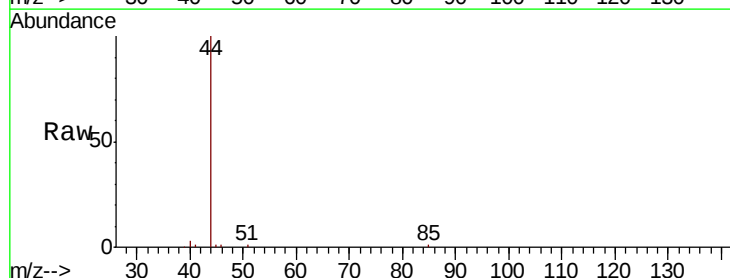
Acq: 12 Jun 2019 14:47

Tgt Ion: 85 Resp: 1732

Ion Ratio Lower Upper

85 100

87 0.0 16.6 49.7#



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

1000

800

600

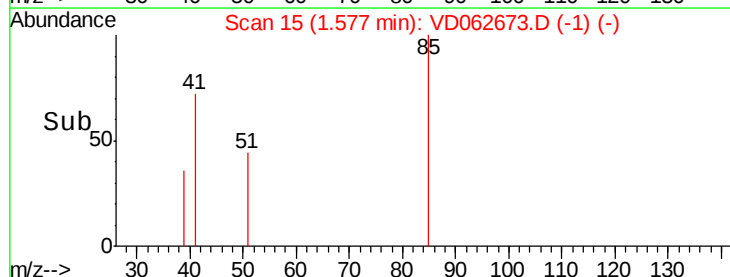
400

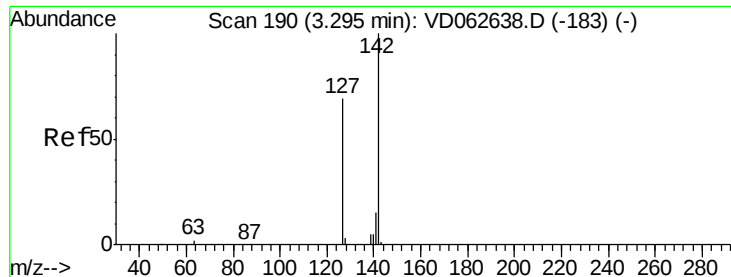
200

0

Time-->

1.55 1.60 1.65

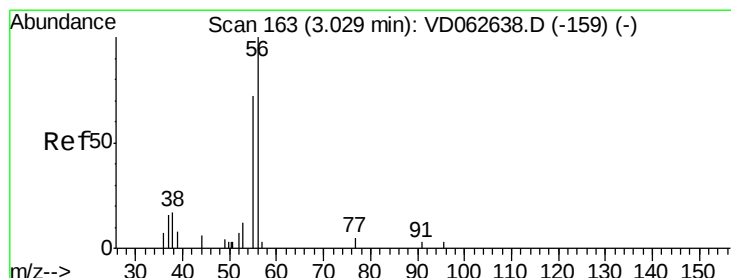
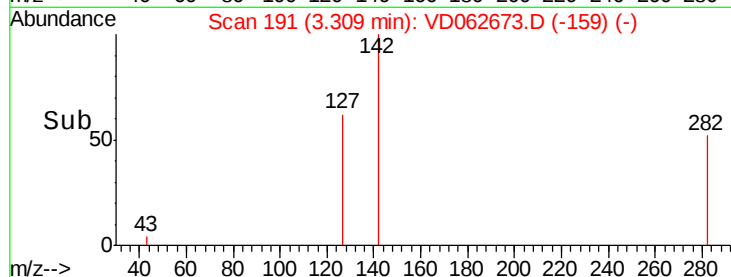
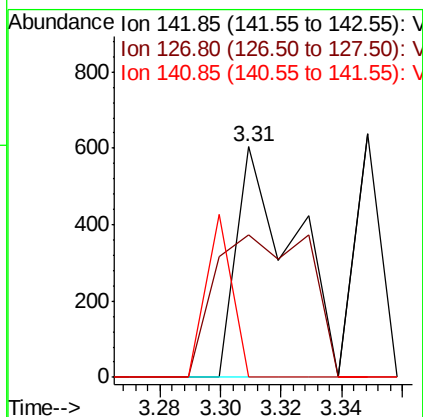
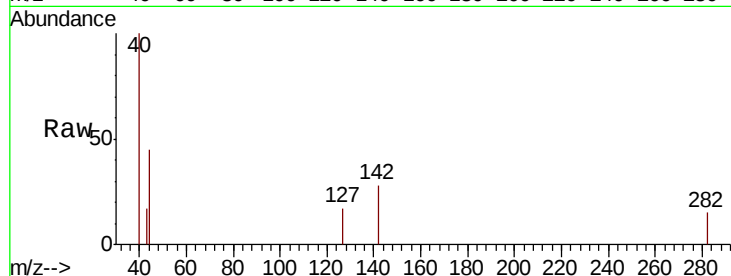




#10
Methvl Iodide
Concen: 4.067 ug/l
RT: 3.31 min Scan# 191
Delta R.T. 0.02 min
Lab File: VD062673.D
Acq: 12 Jun 2019 14:47

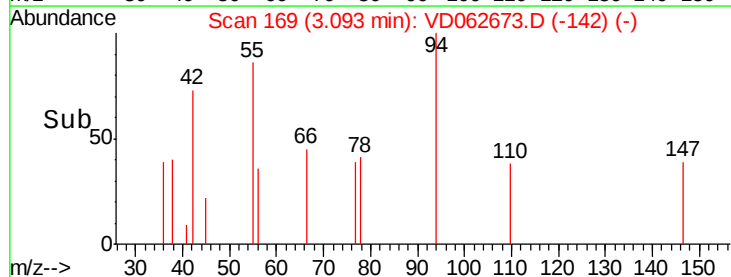
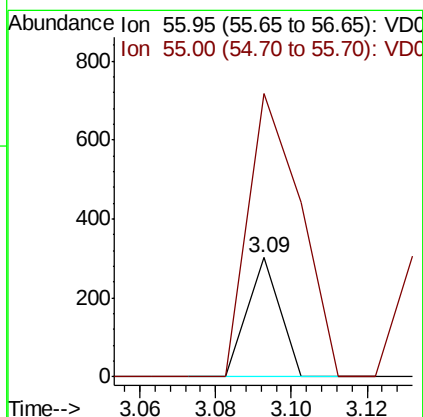
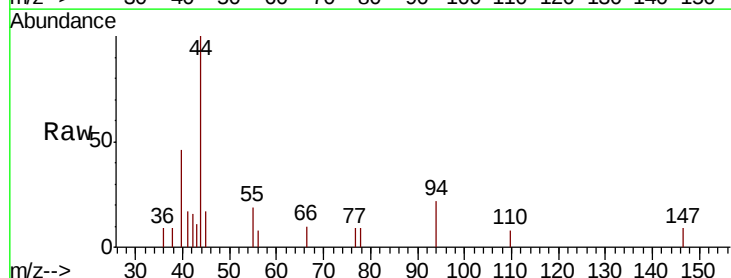
Instrument :
MSVOA_D
ClientSampleId :
SB-5_1.0-1.5_060719

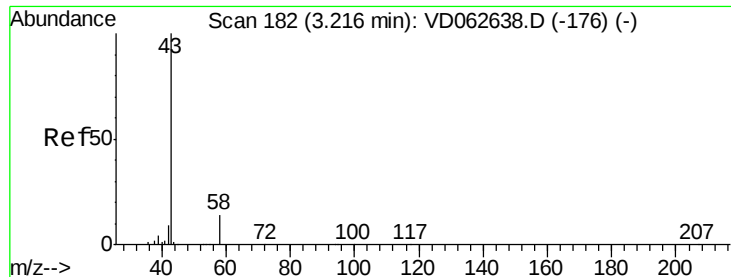
Tot Ion:142 Resp: 789
Ion Ratio Lower Upper
142 100
127 61.6 55.2 82.8
141 0.0 12.1 18.1#



#13
Acrolein
Concen: 1.342 ug/l
RT: 3.09 min Scan# 169
Delta R.T. 0.06 min
Lab File: VD062673.D
Acq: 12 Jun 2019 14:47

Tgt Ion: 56 Resp: 178
Ion Ratio Lower Upper
56 100
55 238.2 59.4 89.0#





#16

Acetone

Concen: 2.829 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.01 min

Lab File: VD062673.D

Acq: 12 Jun 2019 14:47

Instrument :

MSVOA_D

ClientSampleId :

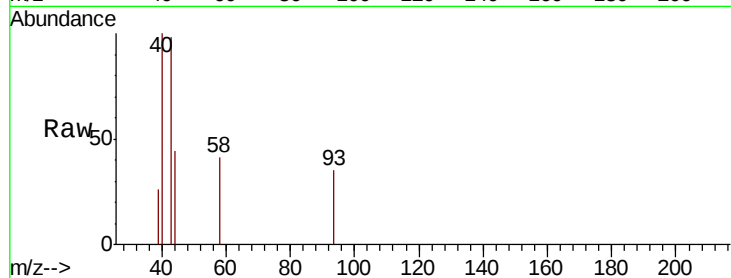
SB-5 1.0-1.5 060719

Tot Ion: 43 Resp: 5197

Ion Ratio Lower Upper

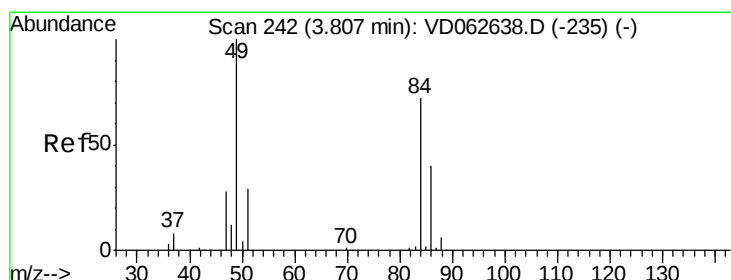
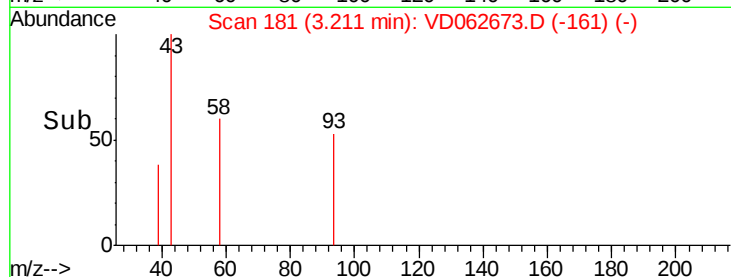
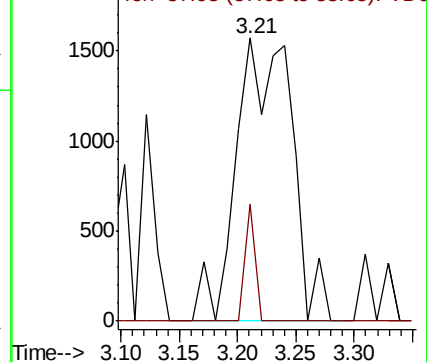
43 100

58 41.5 10.8 16.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 1.405 ug/l

RT: 3.81 min Scan# 242

Delta R.T. 0.01 min

Lab File: VD062673.D

Acq: 12 Jun 2019 14:47

Tgt Ion: 84 Resp: 12732

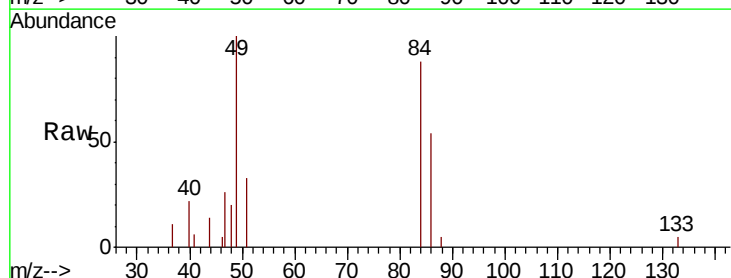
Ion Ratio Lower Upper

84 100

49 113.7 111.2 166.8

51 37.8 31.9 47.9

86 61.5 44.7 67.1

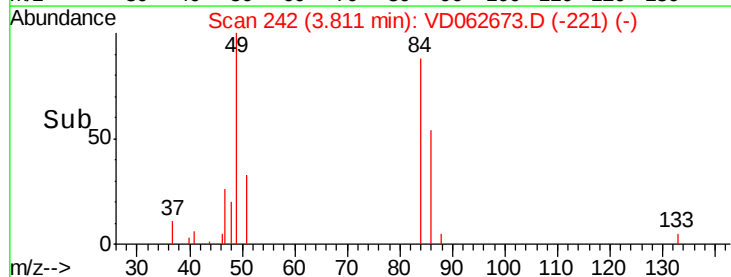
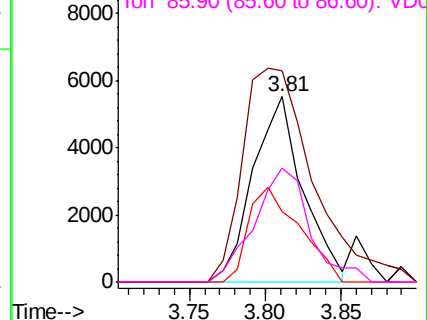


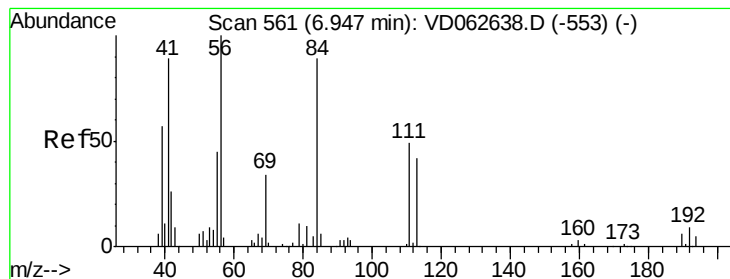
Abundance Ion 83.95 (83.65 to 84.65): VDC

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





#31

Cyclohexane

Concen: 1.934 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.09 min

Lab File: VD062673.D

Acq: 12 Jun 2019 14:47

Instrument :

MSVOA_D

ClientSampleId :

SB-5_1.0-1.5_060719

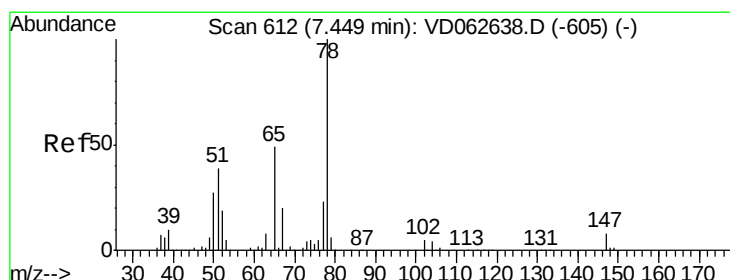
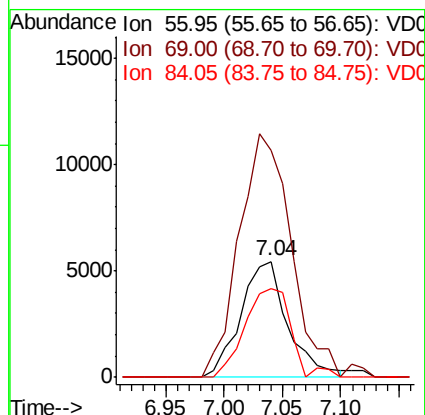
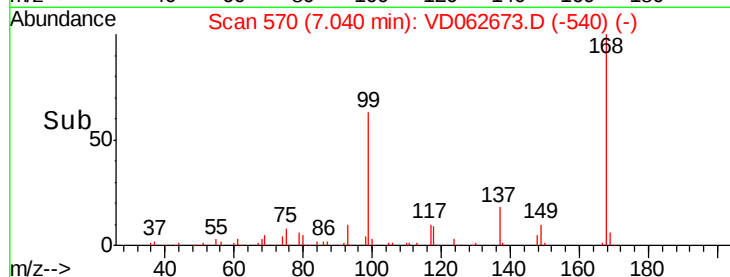
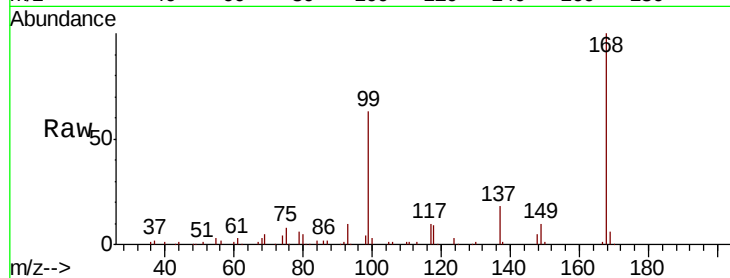
Tot Ion: 56 Resp: 15309

Ion Ratio Lower Upper

56 100

69 195.9 26.8 40.2#

84 76.8 73.9 110.9



#33

1,2-Dichloroethane-d4

Concen: 35.438 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.01 min

Lab File: VD062673.D

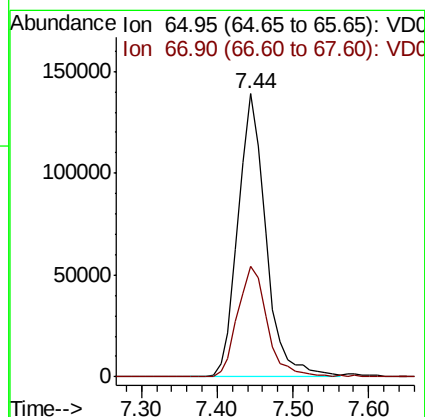
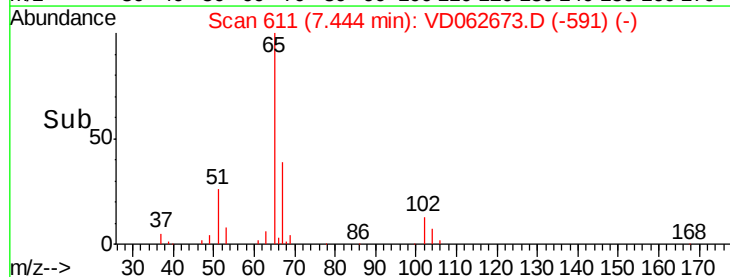
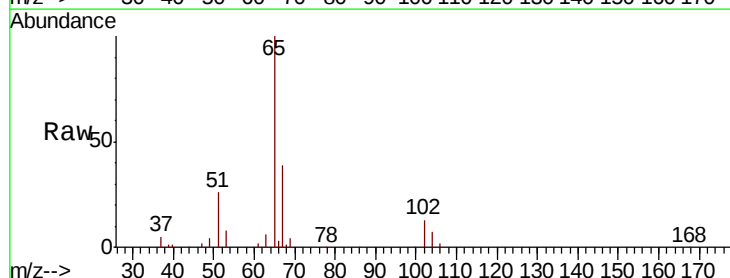
Acq: 12 Jun 2019 14:47

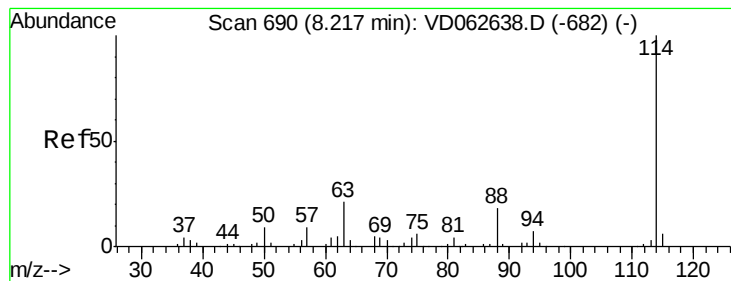
Tgt Ion: 65 Resp: 355497

Ion Ratio Lower Upper

65 100

67 39.2 0.0 81.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. -0.01 min

Lab File: VD062673.D

Acq: 12 Jun 2019 14:47

Instrument :

MSVOA_D

ClientSampleId :

SB-5 1.0-1.5 060719

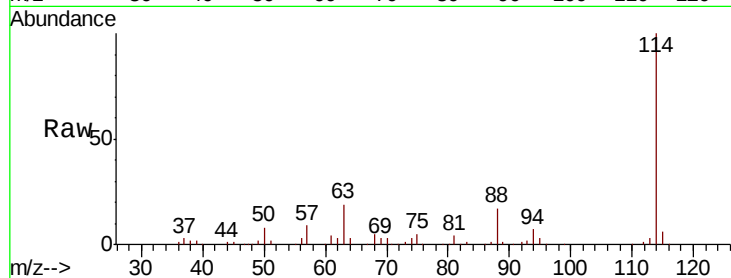
Tot Ion:114 Resp: 931512

Ion Ratio Lower Upper

114 100

63 19.0 0.0 42.4

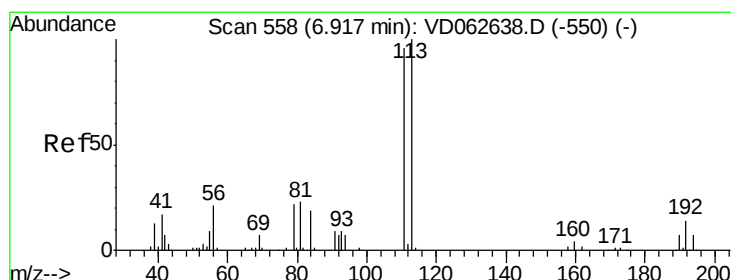
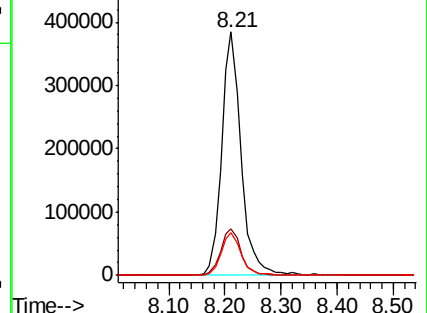
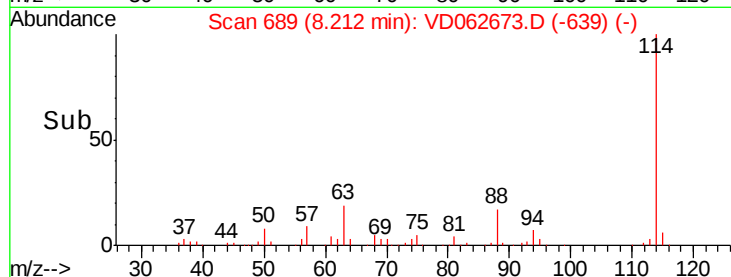
88 17.4 0.0 36.8



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: 38.607 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.00 min

Lab File: VD062673.D

Acq: 12 Jun 2019 14:47

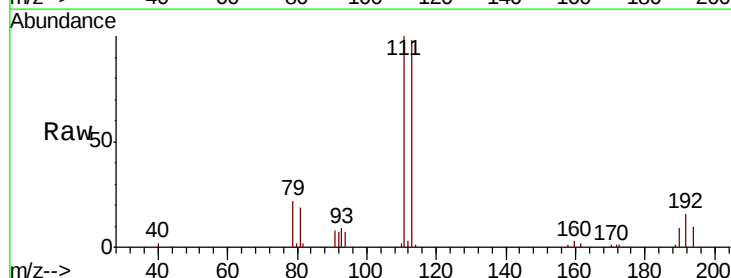
Tgt Ion:113 Resp: 379279

Ion Ratio Lower Upper

113 100

111 101.6 76.4 114.6

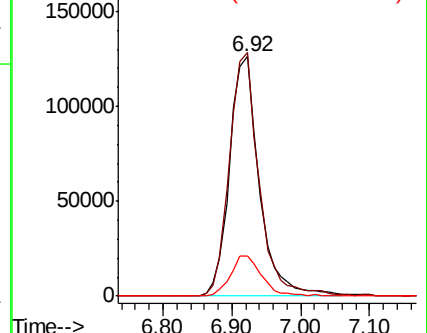
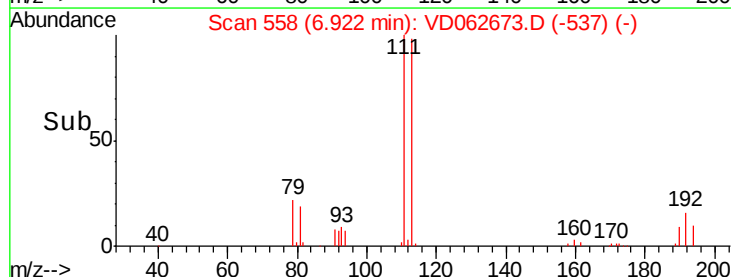
192 16.7 11.4 17.0

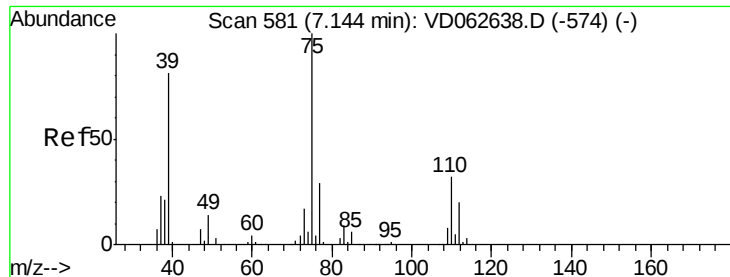


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 5.293 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.10 min

Lab File: VD062673.D

Acq: 12 Jun 2019 14:47

Instrument :

MSVOA_D

ClientSampleId :

SB-5 1.0-1.5 060719

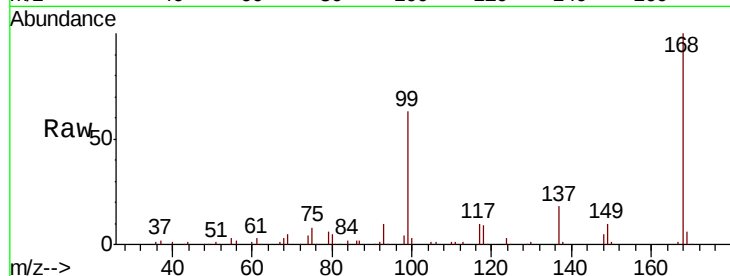
Tot Ion: 75 Resp: 56430

Ion Ratio Lower Upper

75 100

110 6.8 15.9 47.7#

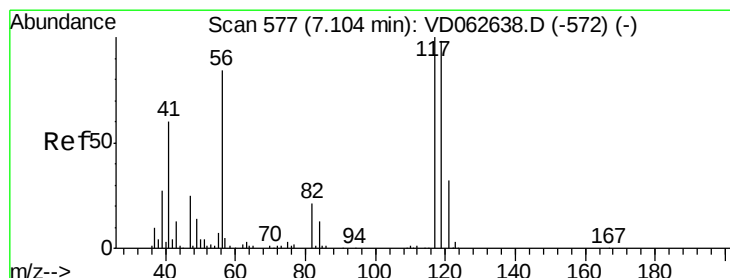
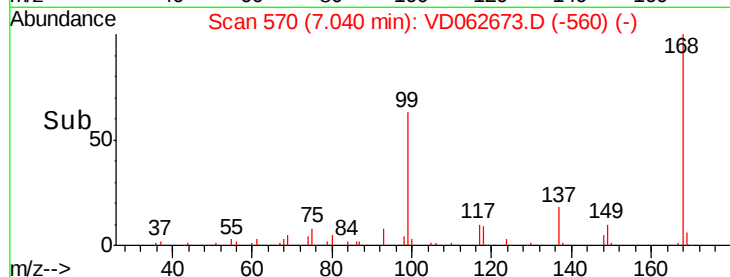
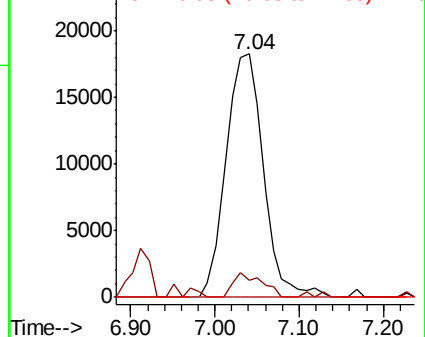
77 0.0 23.3 34.9#



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: 4.354 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.07 min

Lab File: VD062673.D

Acq: 12 Jun 2019 14:47

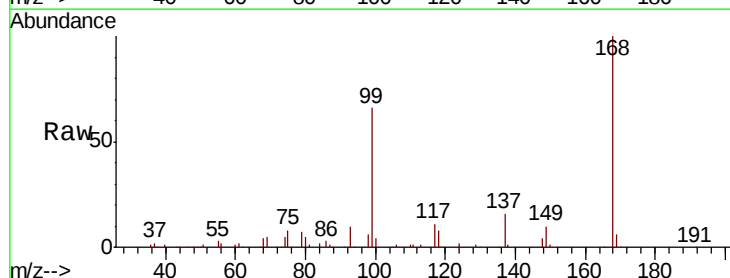
Tgt Ion: 117 Resp: 73363

Ion Ratio Lower Upper

117 100

119 3.1 73.5 110.3#

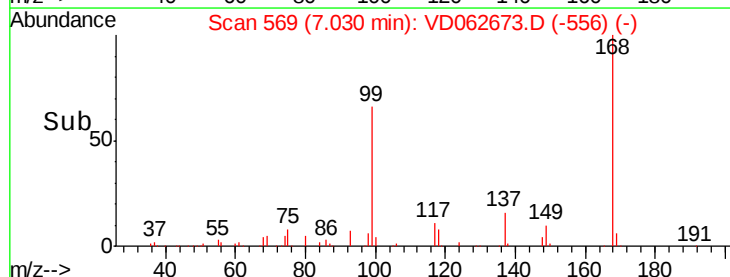
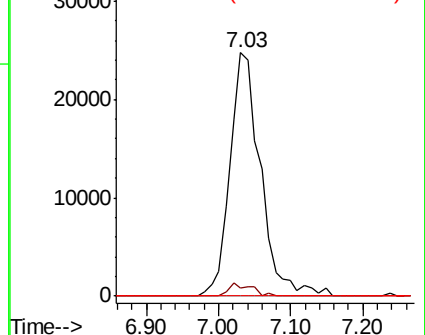
121 0.0 24.2 36.4#

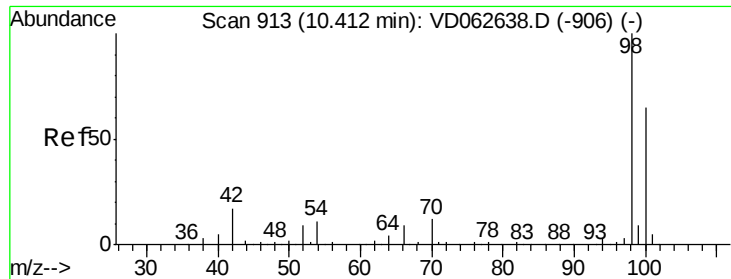


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

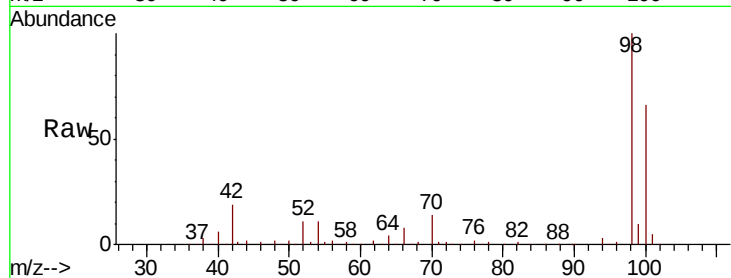




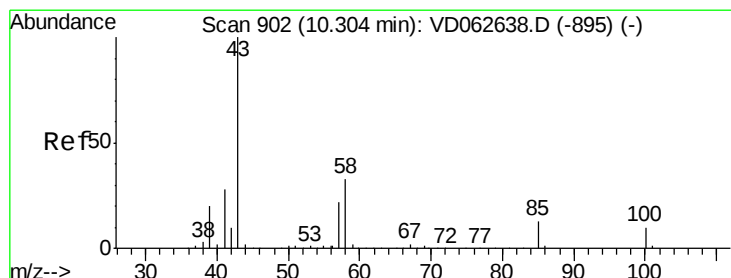
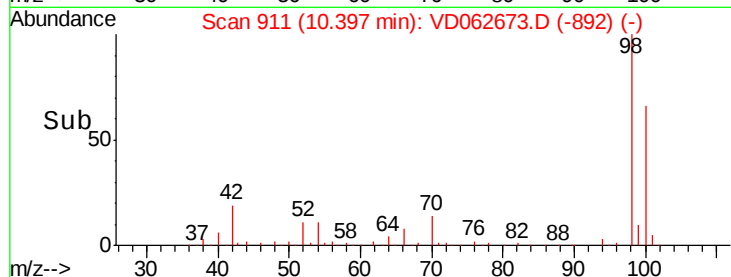
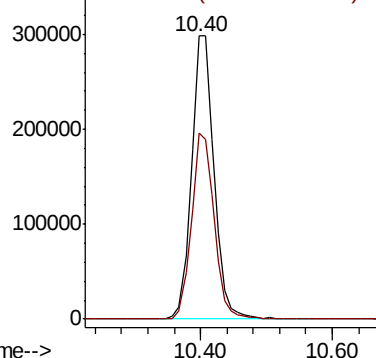
#50
Toluene-d8
Concen: 34.376 ug/l
RT: 10.40 min Scan# 911
Delta R.T. -0.02 min
Lab File: VD062673.D
Acq: 12 Jun 2019 14:47

Instrument :
MSVOA_D
ClientSampleId :
SB-5_1.0-1.5_060719

Tot Ion: 98 Resp: 710435
Ion Ratio Lower Upper
98 100
100 66.0 52.1 78.1

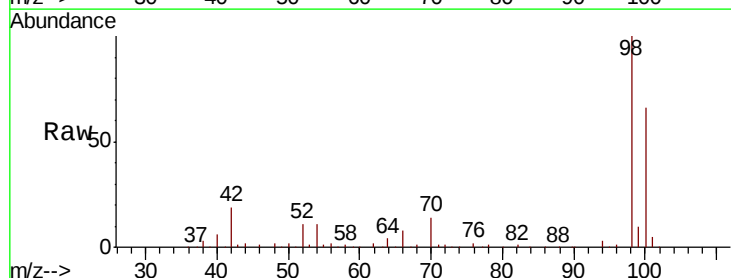


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

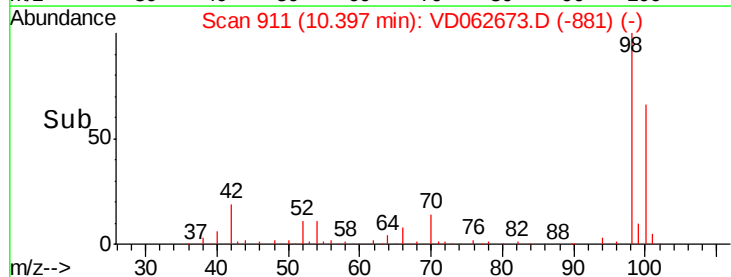
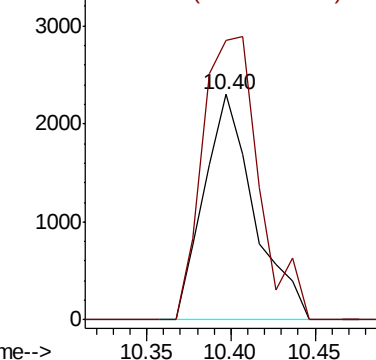


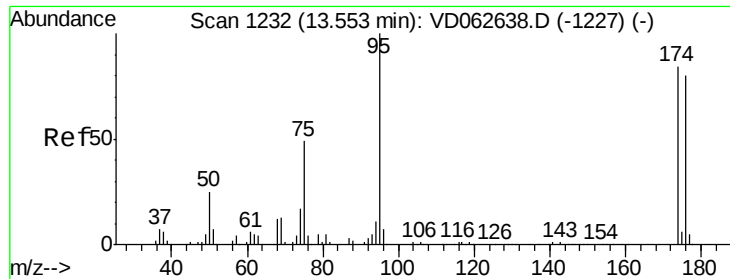
#51
4-Methyl-2-Pentanone
Concen: 1.210 ug/l
RT: 10.40 min Scan# 911
Delta R.T. 0.09 min
Lab File: VD062673.D
Acq: 12 Jun 2019 14:47

Tgt Ion: 43 Resp: 4763
Ion Ratio Lower Upper
43 100
58 124.0 26.1 39.1#



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





#62

4-Bromofluorobenzene

Concen: 39.355 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD062673.D

Acq: 12 Jun 2019 14:47

Instrument :

MSVOA_D

ClientSampleId :

SB-5_1.0-1.5_060719

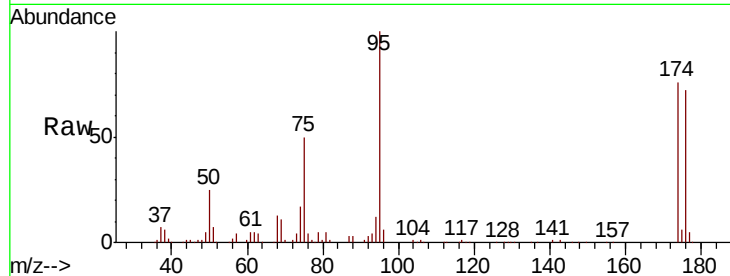
Tot Ion: 95 Resp: 379439

Ion Ratio Lower Upper

95 100

174 76.3 0.0 167.0

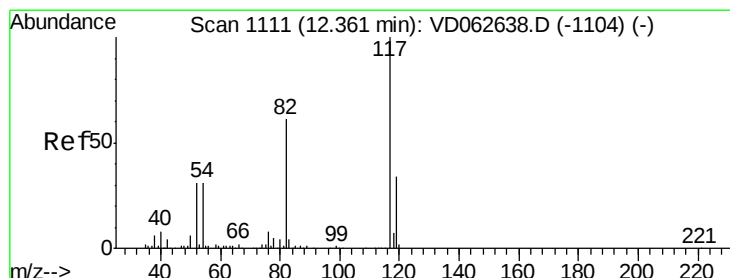
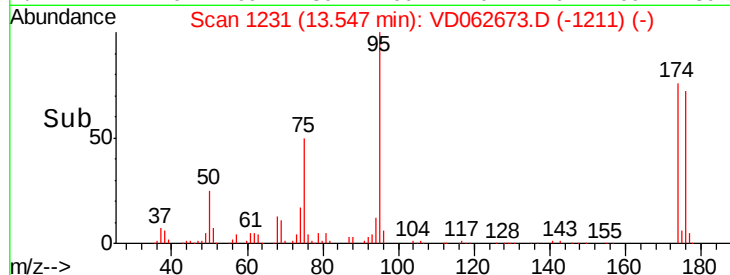
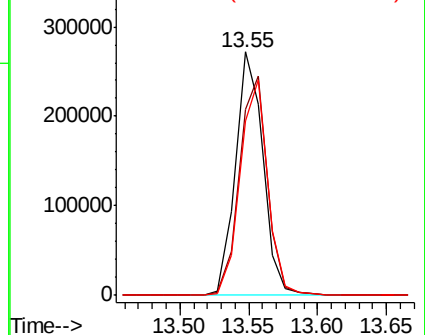
176 71.9 0.0 159.2



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# 1111

Delta R.T. 0.00 min

Lab File: VD062673.D

Acq: 12 Jun 2019 14:47

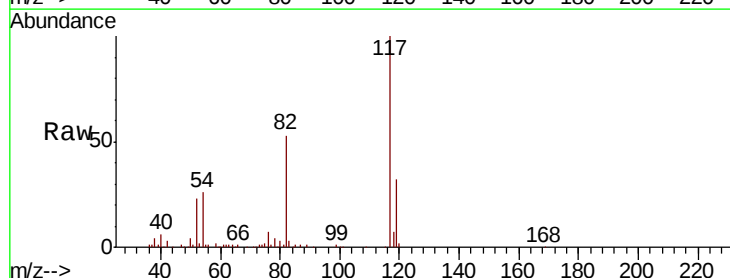
Tgt Ion: 117 Resp: 786502

Ion Ratio Lower Upper

117 100

82 52.5 48.7 73.1

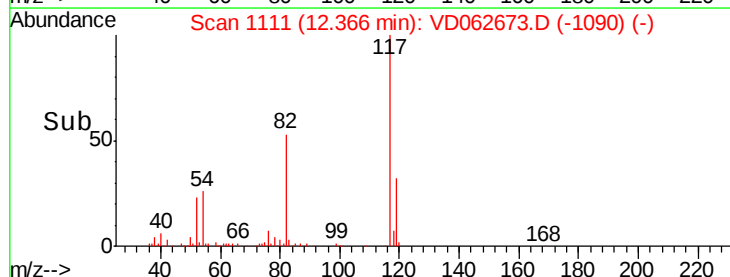
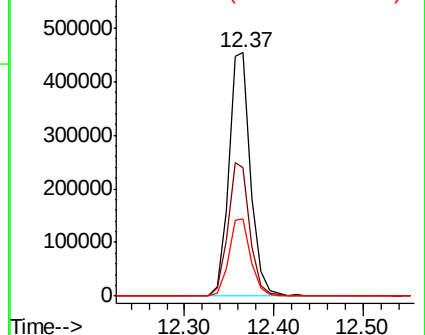
119 31.9 27.0 40.6

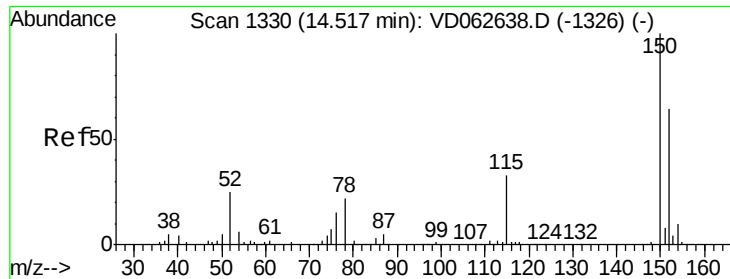


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD062673.D

Acq: 12 Jun 2019 14:47

Instrument :

MSVOA_D

ClientSampleId :

SB-5 1.0-1.5 060719

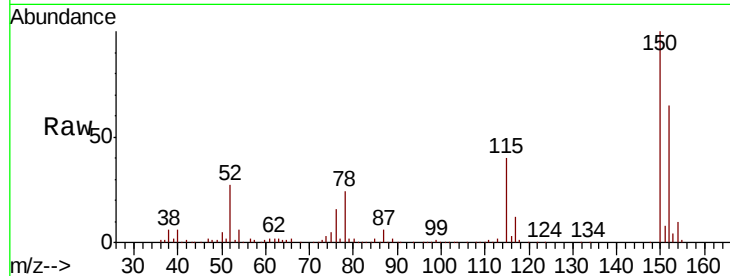
Tot Ion:152 Resp: 443845

Ion Ratio Lower Upper

152 100

115 60.8 30.1 90.5

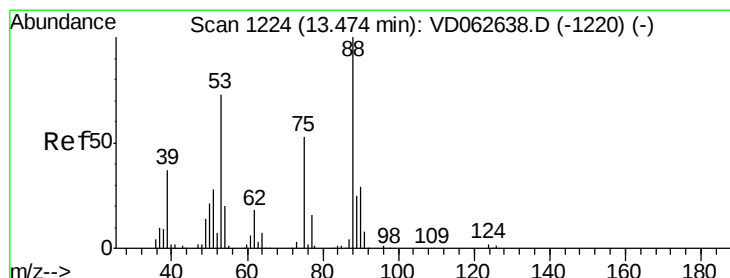
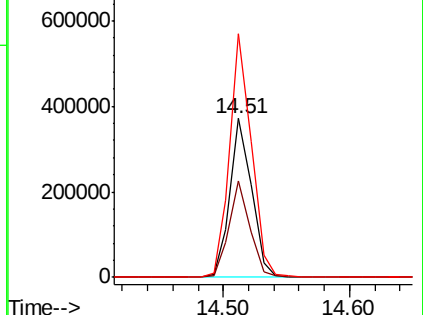
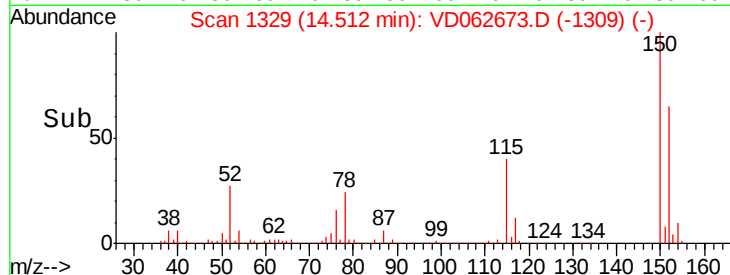
150 153.4 0.0 314.0



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: 99.524 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. 0.07 min

Lab File: VD062673.D

Acq: 12 Jun 2019 14:47

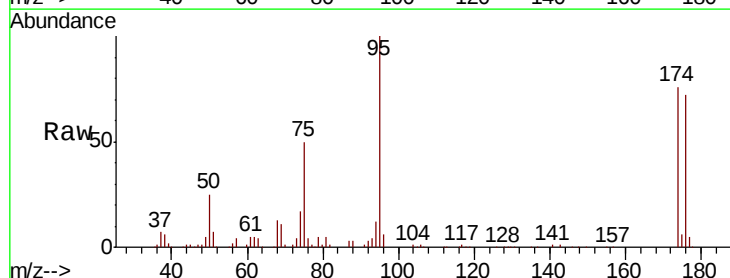
Tgt Ion: 75 Resp: 185087

Ion Ratio Lower Upper

75 100

53 0.0 109.4 164.2#

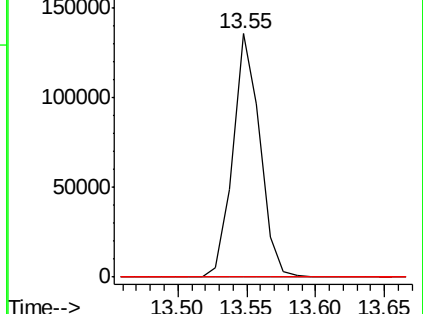
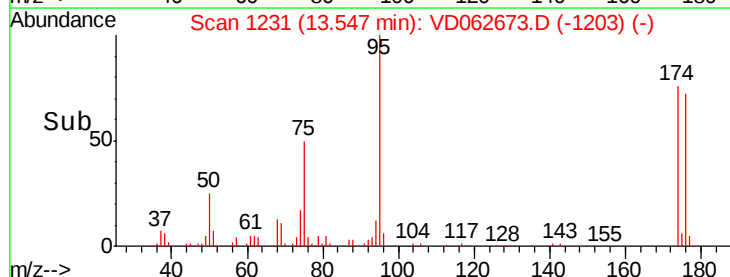
89 0.0 37.0 55.6#

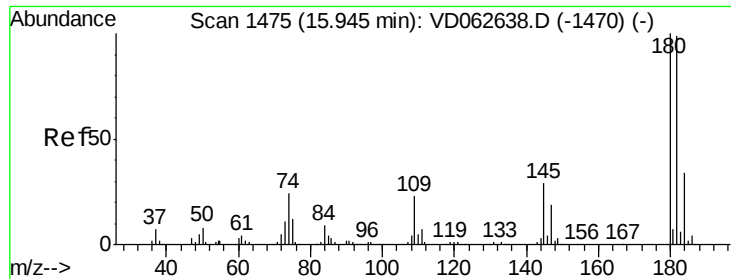


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

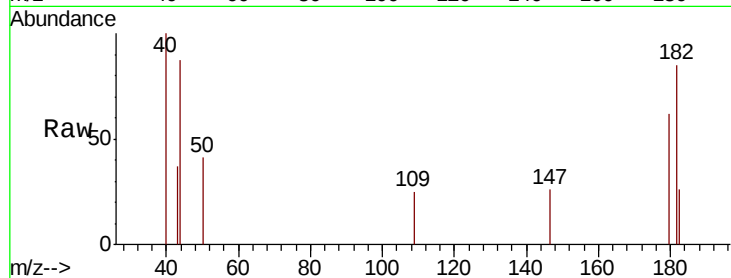




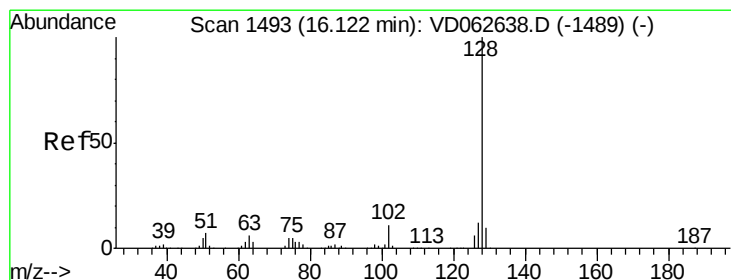
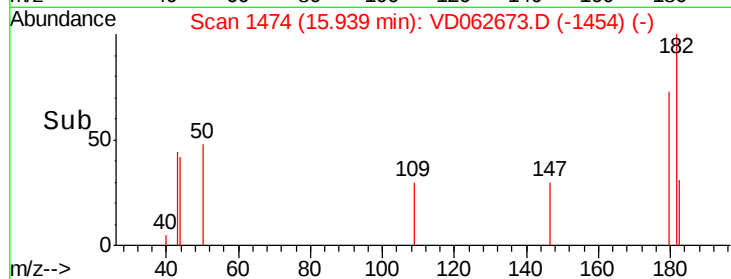
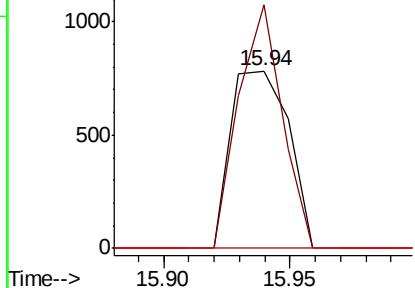
#93
 1,2,4-Trichlorobenzene
 Concen: 3.670 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.00 min
 Lab File: VD062673.D
 Acq: 12 Jun 2019 14:47

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-5_1.0-1.5_060719

Tot Ion:180 Resp: 1255
 Ion Ratio Lower Upper
 180 100
 182 179.3 49.4 148.2#
 145 0.0 14.5 43.6#

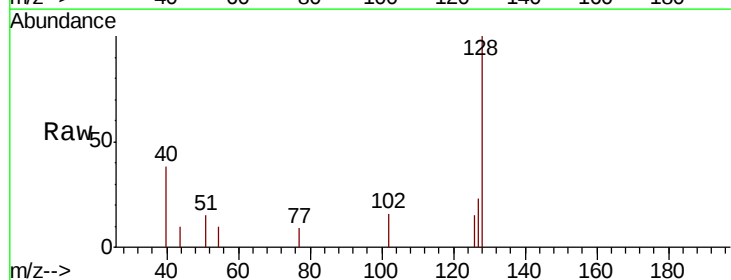


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V



#95
 Naphthalene
 Concen: 3.699 ug/l
 RT: 16.12 min Scan# 1492
 Delta R.T. -0.00 min
 Lab File: VD062673.D
 Acq: 12 Jun 2019 14:47

Tgt Ion:128 Resp: 4318
 Ion Ratio Lower Upper
 128 100
 127 22.9 9.7 14.5#
 129 0.0 8.1 12.1#



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

