

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062119\
 Data File : VD062821.D
 Acq On : 21 Jun 2019 17:26
 Operator : VA/AP
 Sample : K3470-01RE
 Misc : 6.18g/5ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SAMPLE-4RE

Quant Time: Jun 22 04:14:21 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	7.07	168	590782	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.24	114	764221	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.38	117	496870	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	170289	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	350912	54.64	ug/l	0.00
Spiked Amount			Recovery	=	109.28%	
35) Dibromofluoromethane	6.95	113	348049	54.01	ug/l	0.02
Spiked Amount			Recovery	=	108.02%	
50) Toluene-d8	10.43	98	608405	43.38	ug/l	0.02
Spiked Amount			Recovery	=	86.76%	
62) 4-Bromofluorobenzene	13.56	95	210486	33.01	ug/l	0.00
Spiked Amount			Recovery	=	66.02%	

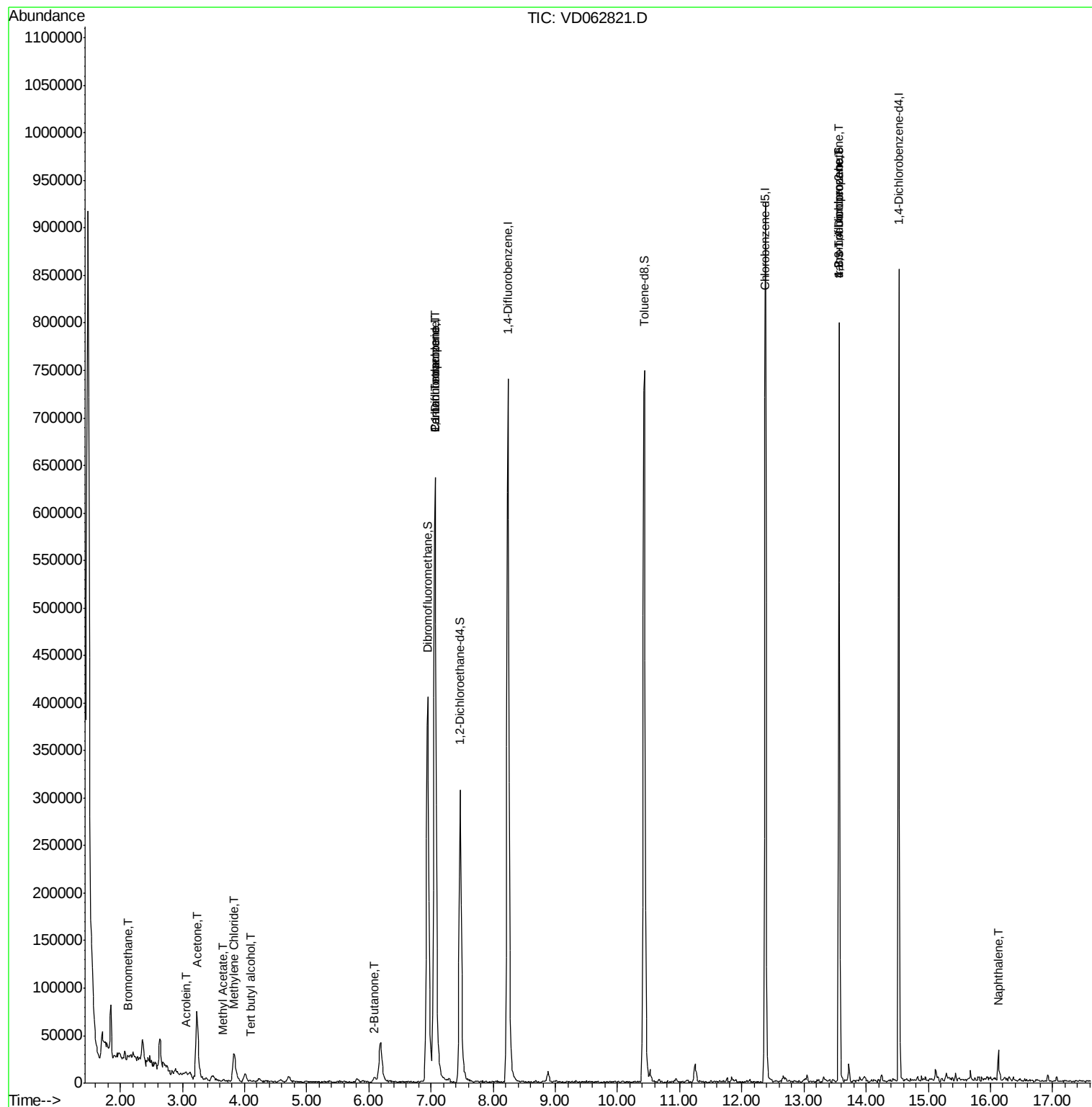
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.13	94	4116	1.542	ug/l #	13
11) Tert butyl alcohol	4.09	59	1313	4.489	ug/l #	77
13) Acrolein	3.05	56	405	1.356	ug/l #	22
16) Acetone	3.24	43	157403	117.151	ug/l	100
18) Methyl Acetate	3.65	43	5382	2.776	ug/l #	58
20) Methylene Chloride	3.82	84	16428	3.354	ug/l #	90
25) 2-Butanone	6.08	43	13423	11.176	ug/l #	90
36) 1,1-Dichloropropene	7.07	75	48620	6.721	ug/l #	54
38) Carbon Tetrachloride	7.07	117	63586	5.844	ug/l #	16
76) 1,2,3-Trichloropropane	13.56	75	78144	39.750	ug/l #	46
81) trans-1,4-Dichloro-2-buten	13.56	75	102181	198.324	ug/l #	2
95) Naphthalene	16.13	128	19673	3.989	ug/l #	94

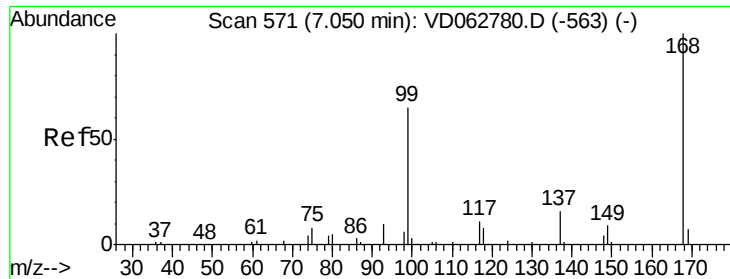
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062119\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 573

Delta R.T. 0.02 min

Lab File: VD062821.D

Acq: 21 Jun 2019 17:26

Instrument :

MSVOA_D

ClientSampleId :

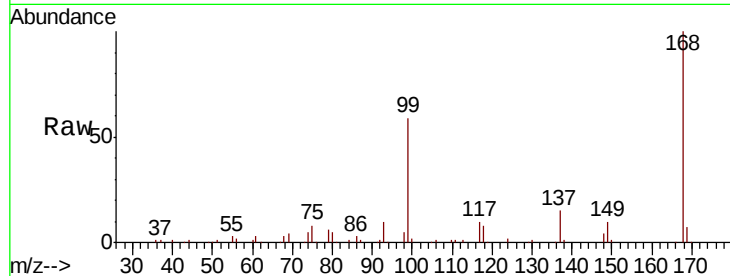
SAMPLE-4RE

Tot Ion:168 Resp: 590782

Ion Ratio Lower Upper

168 100

99 59.5 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.07

250000

200000

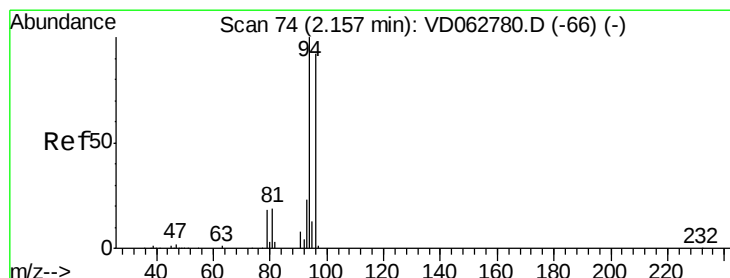
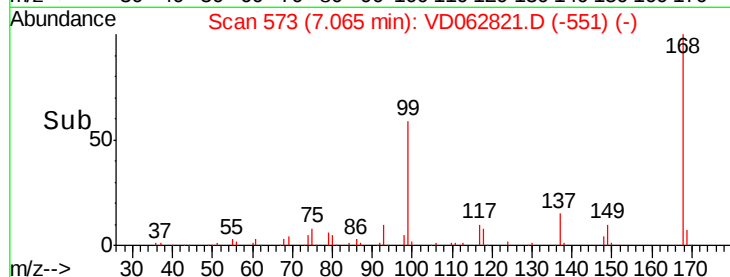
150000

100000

50000

0

Time--> 6.90 7.00 7.10 7.20



#5

Bromomethane

Concen: 1.542 ug/l

RT: 2.13 min Scan# 72

Delta R.T. -0.02 min

Lab File: VD062821.D

Acq: 21 Jun 2019 17:26

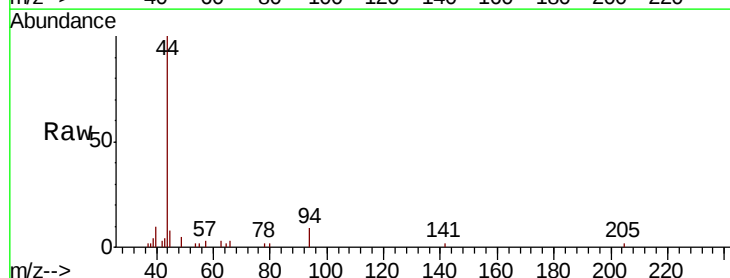
Tgt Ion: 94 Resp: 4116

Ion Ratio Lower Upper

94 100

96 0.0 73.4 110.2#

93 0.0 18.2 27.4#



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC

2000

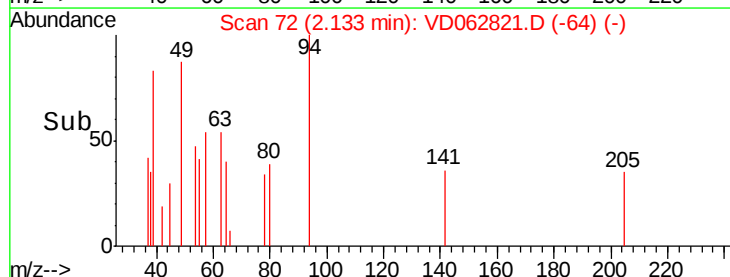
1500

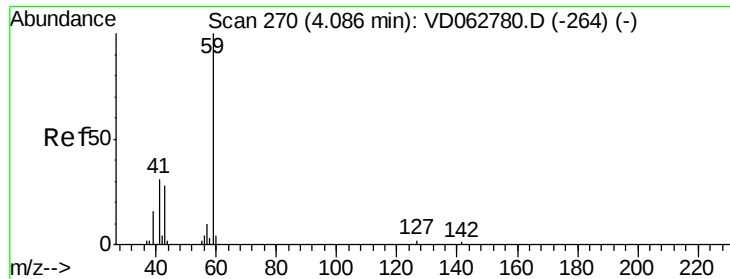
1000

500

0

Time--> 2.10 2.15 2.20

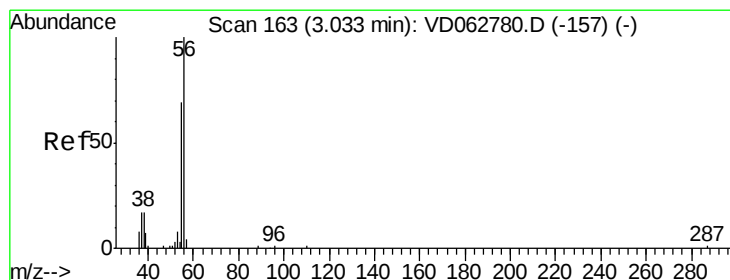
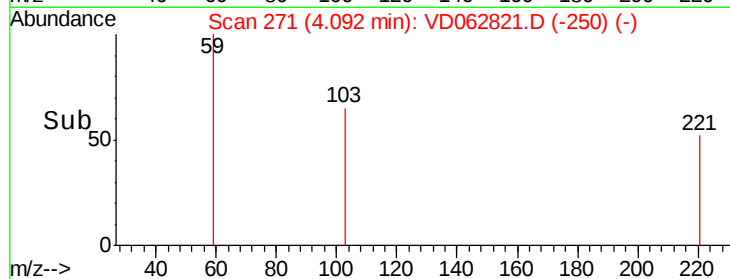
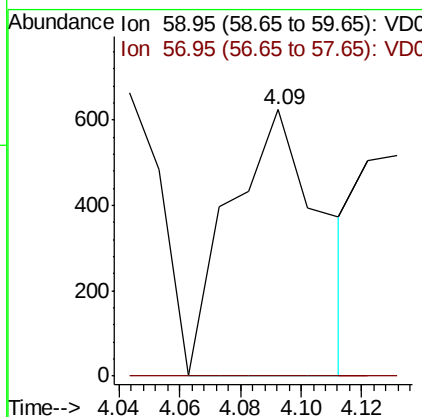
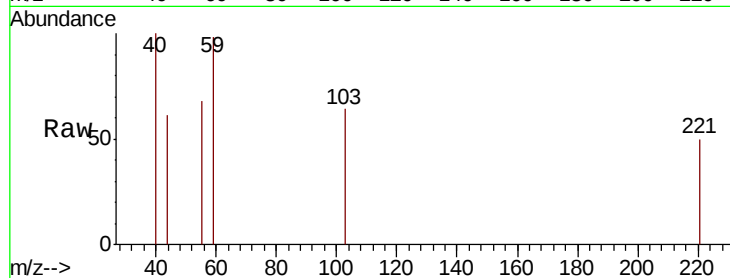




#11
Tert butyl alcohol
Concen: 4.489 ug/l
RT: 4.09 min Scan# 271
Delta R.T. 0.01 min
Lab File: VD062821.D
Acq: 21 Jun 2019 17:26

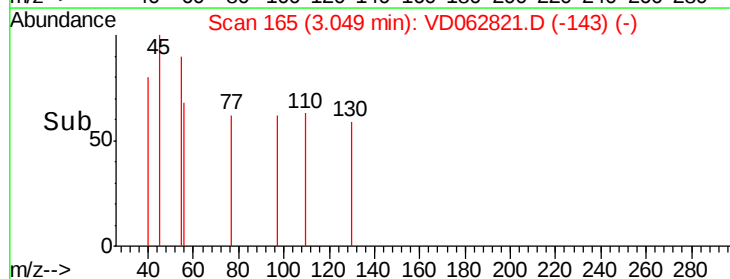
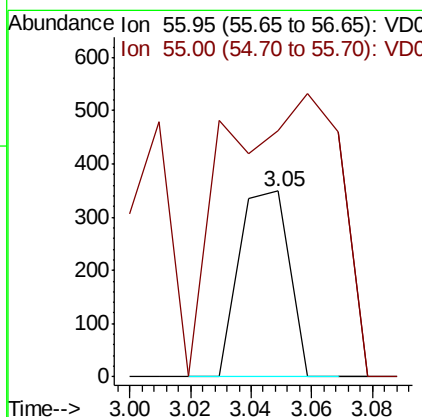
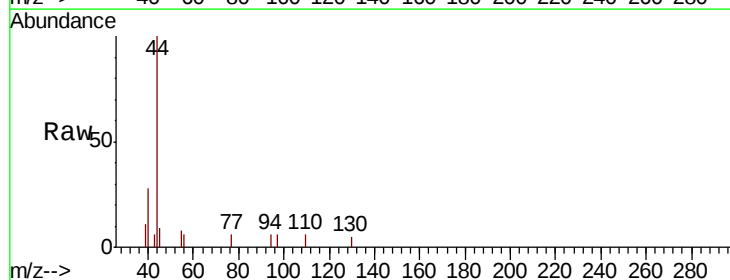
Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-4RE

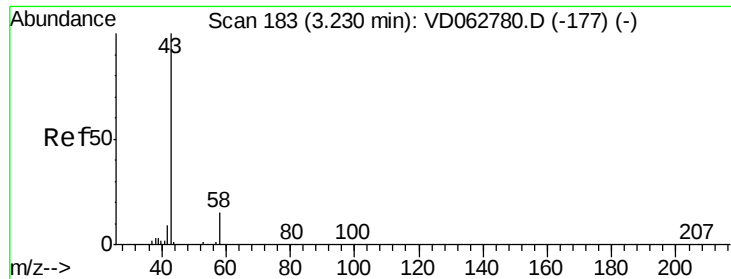
Tot Ion: 59 Resp: 1313
Ion Ratio Lower Upper
59 100
57 0.0 6.6 10.0#



#13
Acrolein
Concen: 1.356 ug/l
RT: 3.05 min Scan# 165
Delta R.T. 0.02 min
Lab File: VD062821.D
Acq: 21 Jun 2019 17:26

Tgt Ion: 56 Resp: 405
Ion Ratio Lower Upper
56 100
55 132.7 55.4 83.0#





#16

Acetone

Concen: 117.151 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.01 min

Lab File: VD062821.D

Acq: 21 Jun 2019 17:26

Instrument :

MSVOA_D

ClientSampleId :

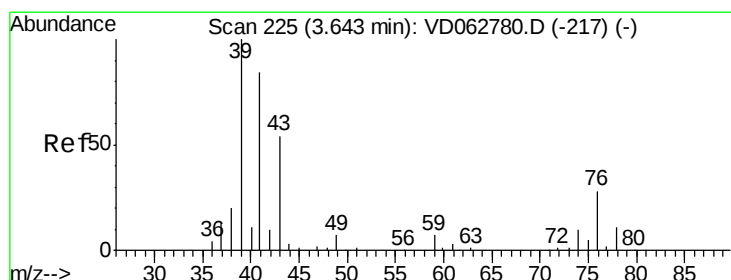
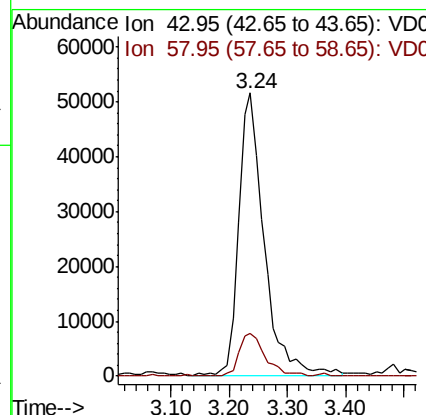
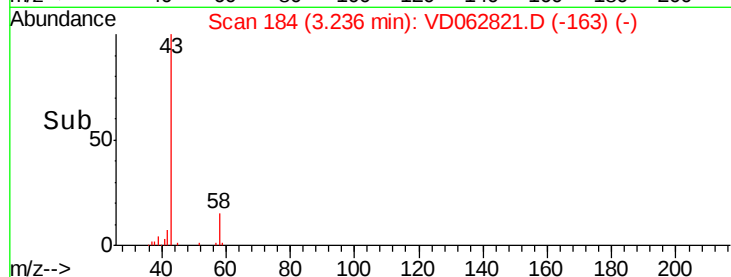
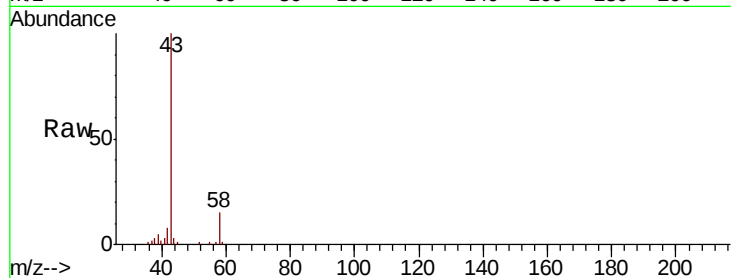
SAMPLE-4RE

Tot Ion: 43 Resp: 157403

Ion Ratio Lower Upper

43 100

58 14.9 11.9 17.9



#18

Methyl Acetate

Concen: 2.776 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.01 min

Lab File: VD062821.D

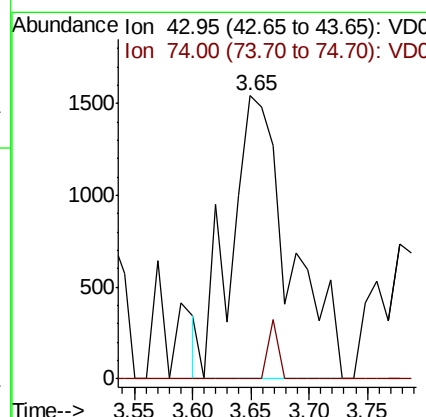
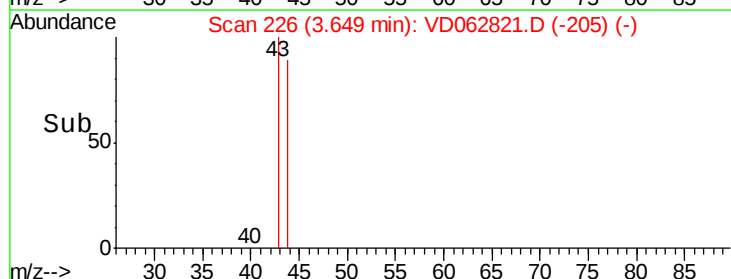
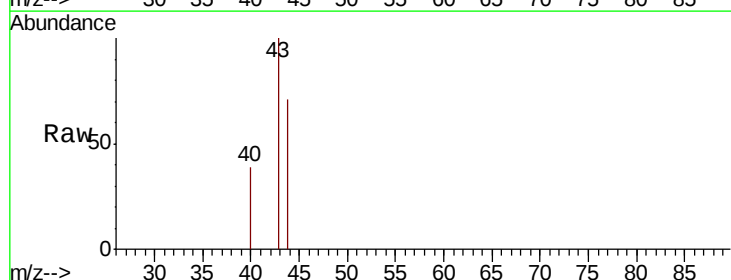
Acq: 21 Jun 2019 17:26

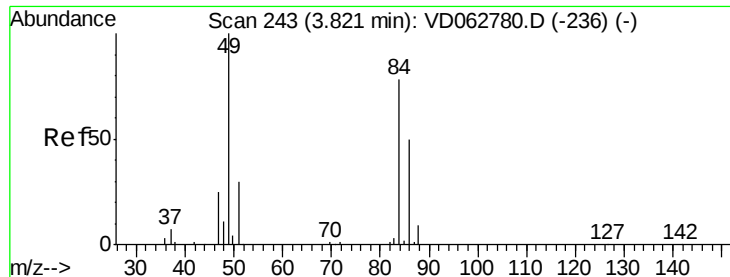
Tgt Ion: 43 Resp: 5382

Ion Ratio Lower Upper

43 100

74 0.0 15.2 22.8#

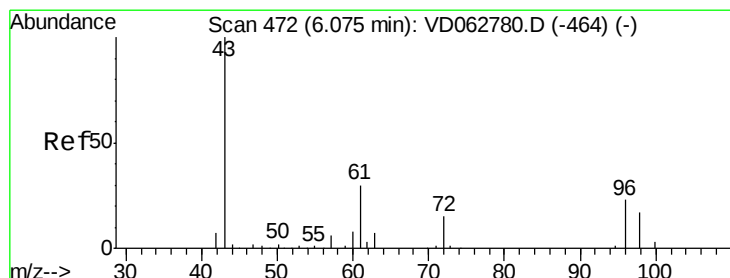
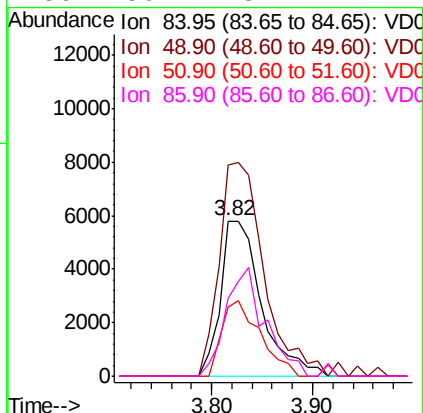
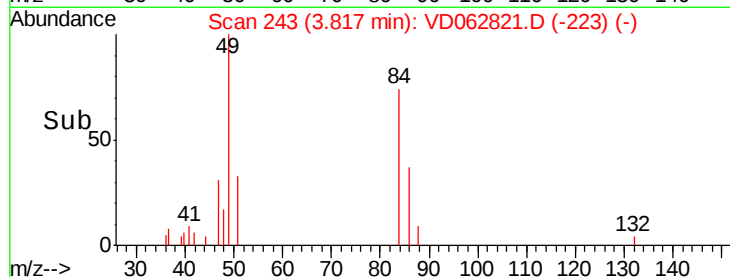
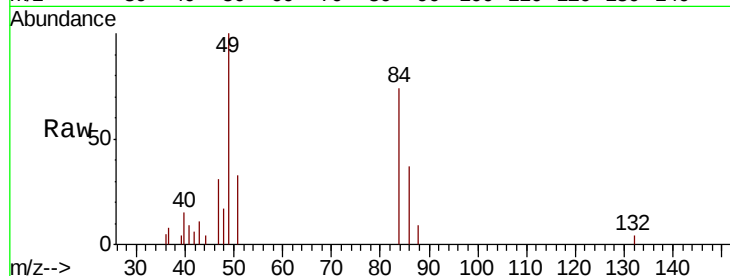




#20
Methvlene Chloride
Concen: 3.354 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.00 min
Lab File: VD062821.D
Acq: 21 Jun 2019 17:26

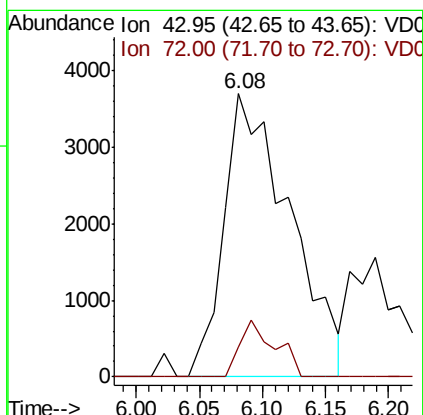
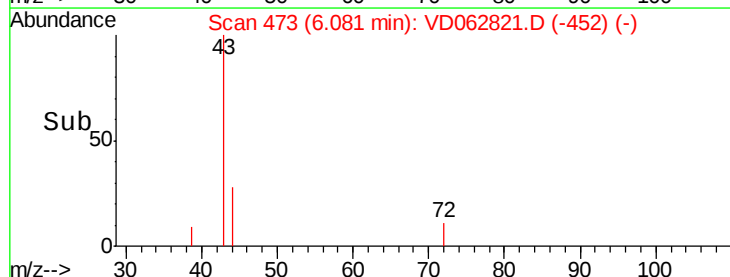
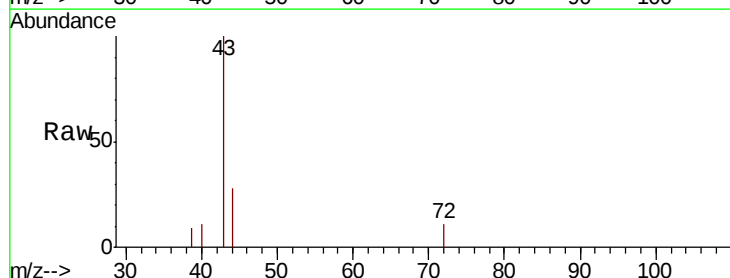
Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-4RE

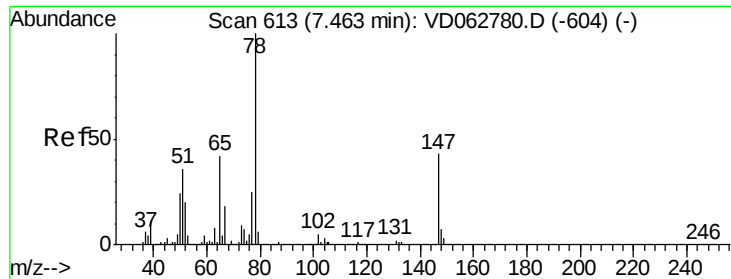
Tot Ion: 84 Resp: 16428
Ion Ratio Lower Upper
84 100
49 135.6 102.9 154.3
51 44.8 31.2 46.8
86 50.2 51.4 77.2#



#25
2-Butanone
Concen: 11.176 ug/l
RT: 6.08 min Scan# 473
Delta R.T. 0.01 min
Lab File: VD062821.D
Acq: 21 Jun 2019 17:26

Tgt Ion: 43 Resp: 13423
Ion Ratio Lower Upper
43 100
72 10.8 11.9 17.9#





#33

1,2-Dichloroethane-d4

Concen: 54.645 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.01 min

Lab File: VD062821.D

Acq: 21 Jun 2019 17:26

Instrument :

MSVOA_D

ClientSampleId :

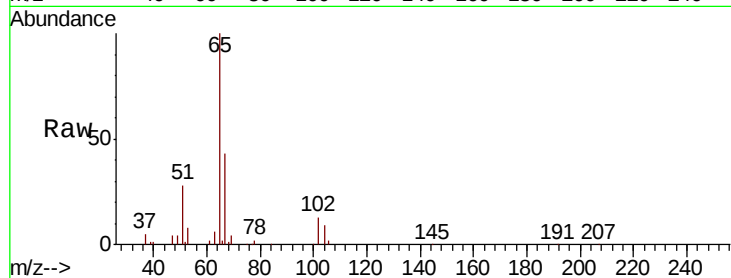
SAMPLE-4RE

Tot Ion: 65 Resp: 350912

Ion Ratio Lower Upper

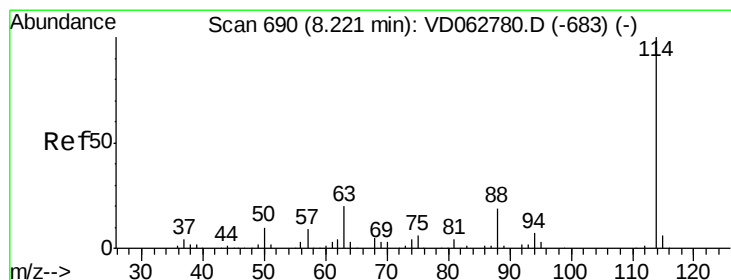
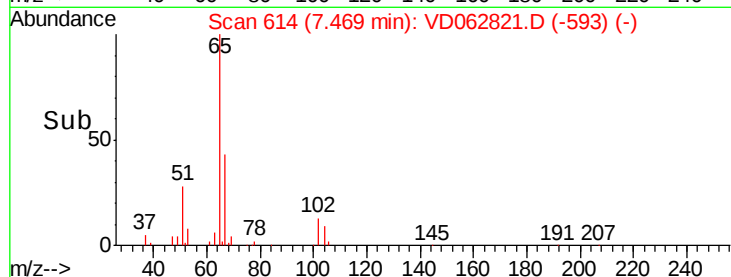
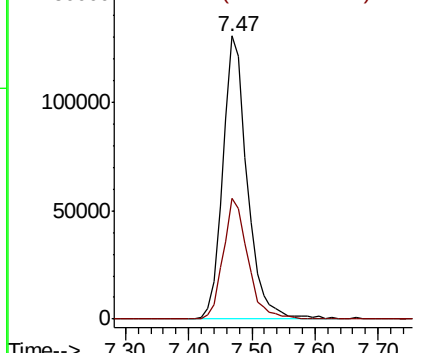
65 100

67 42.7 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: 8.24 min Scan# 692

Delta R.T. 0.02 min

Lab File: VD062821.D

Acq: 21 Jun 2019 17:26

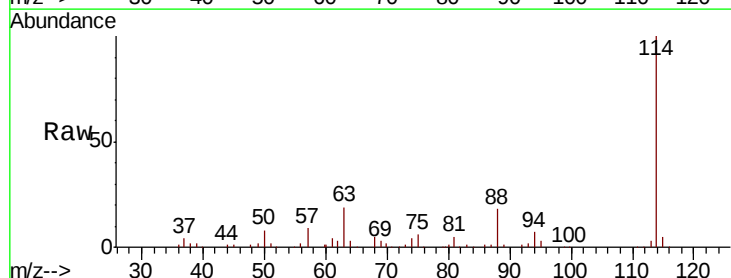
Tgt Ion: 114 Resp: 764221

Ion Ratio Lower Upper

114 100

63 19.0 0.0 40.0

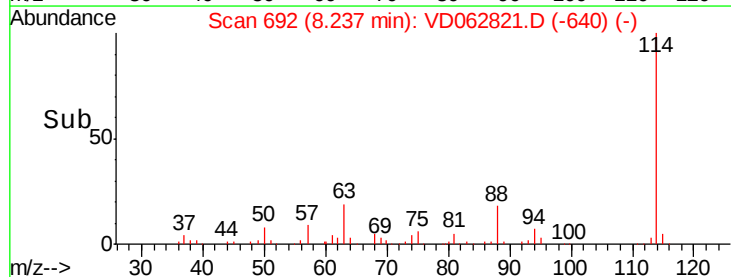
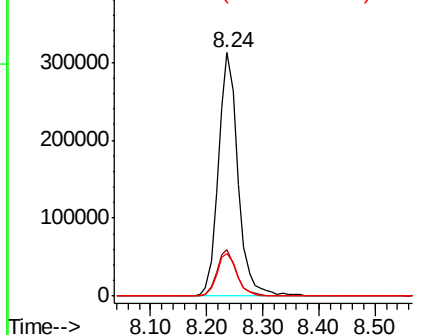
88 17.5 0.0 38.8

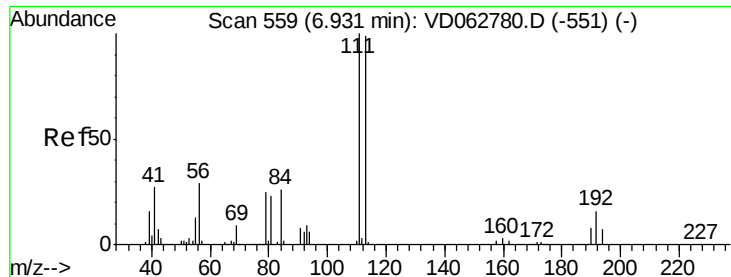


Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

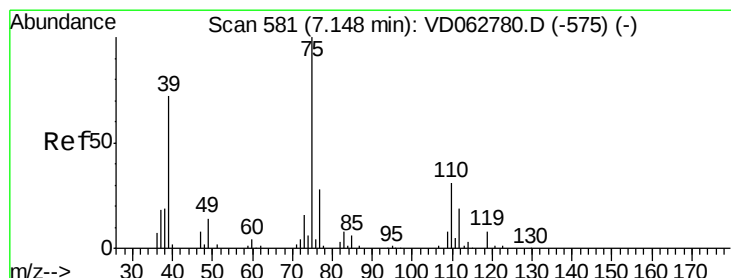
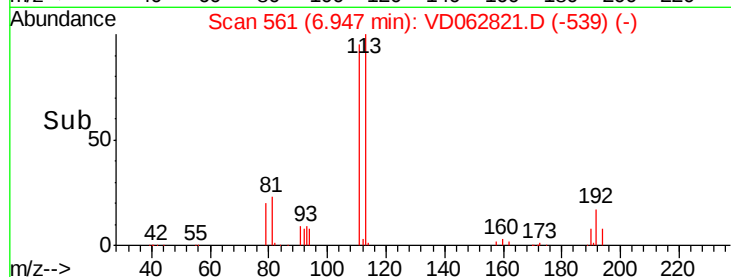
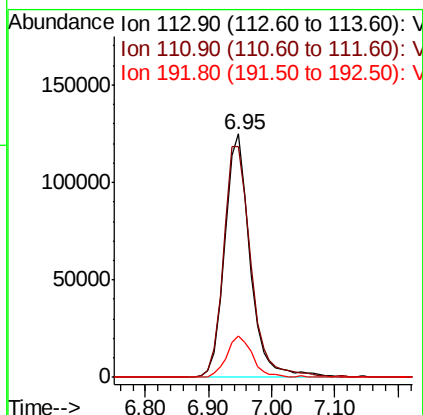
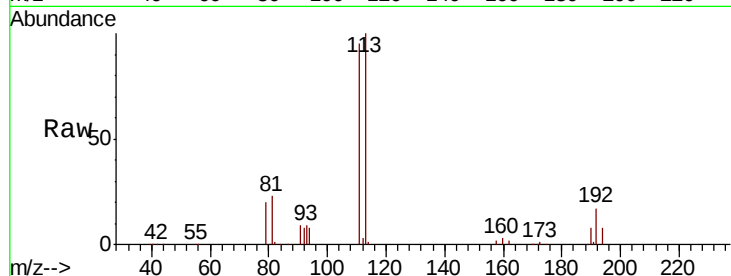




#35
Dibromofluoromethane
Concen: 54.012 ug/l
RT: 6.95 min Scan# 561
Delta R.T. 0.02 min
Lab File: VD062821.D
Acq: 21 Jun 2019 17:26

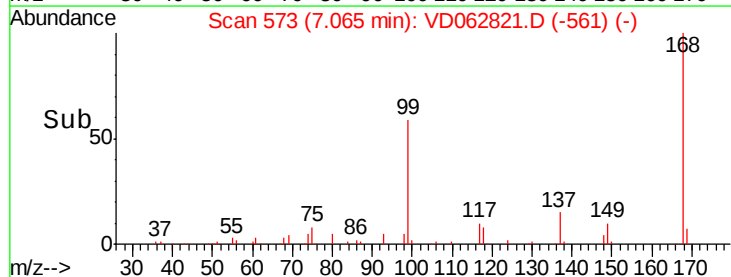
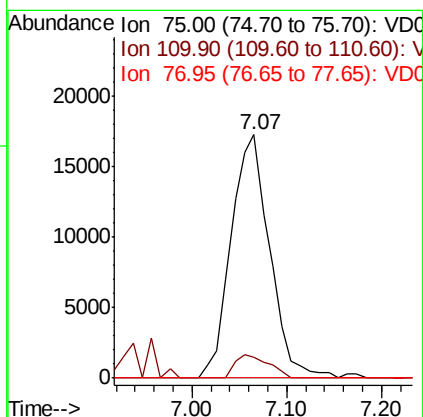
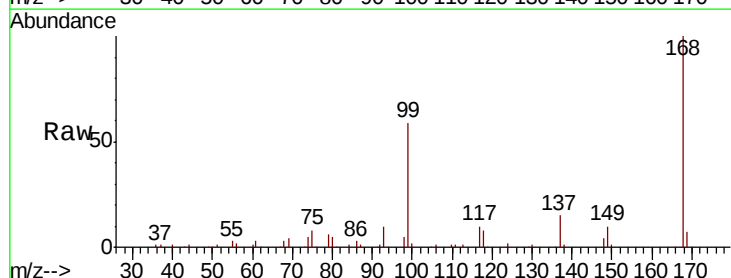
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SAMPLE-4RE

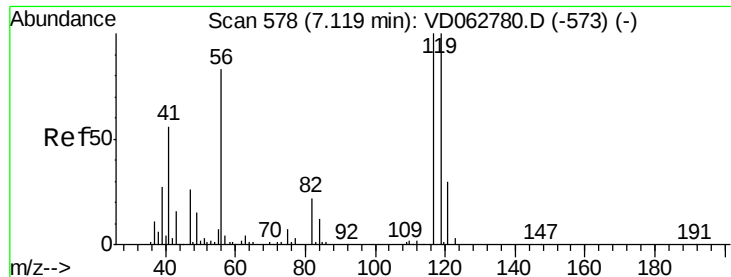
Tot Ion:113 Resp: 348049
Ion Ratio Lower Upper
113 100
111 95.0 81.2 121.8
192 16.9 12.9 19.3



#36
1,1-Dichloropropene
Concen: 6.721 ug/l
RT: 7.07 min Scan# 573
Delta R.T. -0.08 min
Lab File: VD062821.D
Acq: 21 Jun 2019 17:26

Tgt Ion: 75 Resp: 48620
Ion Ratio Lower Upper
75 100
110 8.6 15.0 45.1#
77 0.0 22.2 33.2#

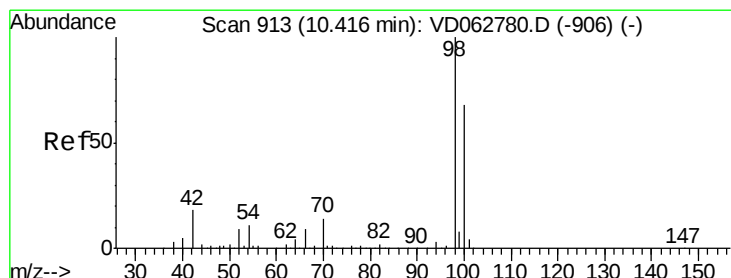
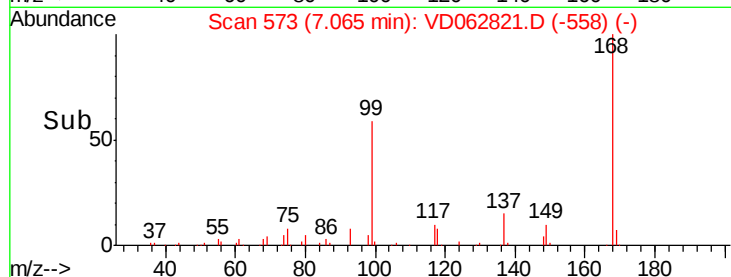
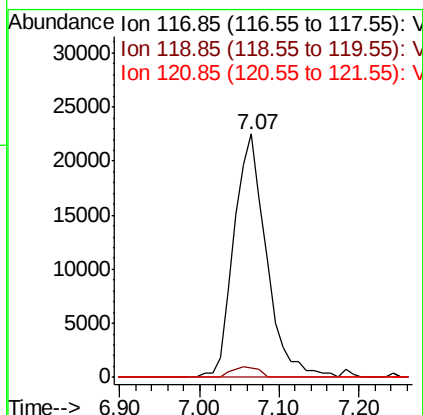
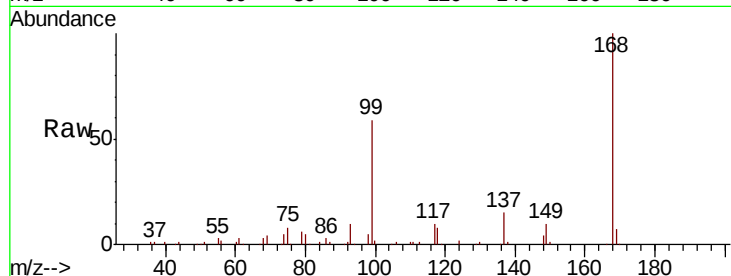




#38
Carbon Tetrachloride
Concen: 5.844 ug/l
RT: 7.07 min Scan# 573
Delta R.T. -0.05 min
Lab File: VD062821.D
Acq: 21 Jun 2019 17:26

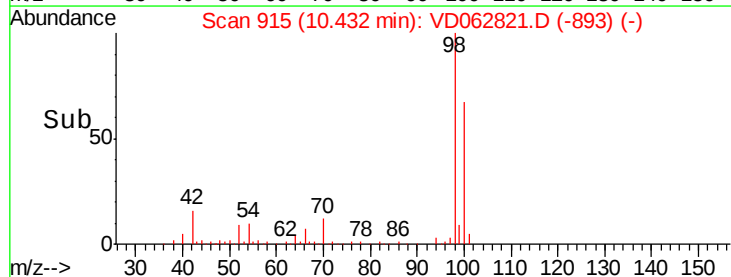
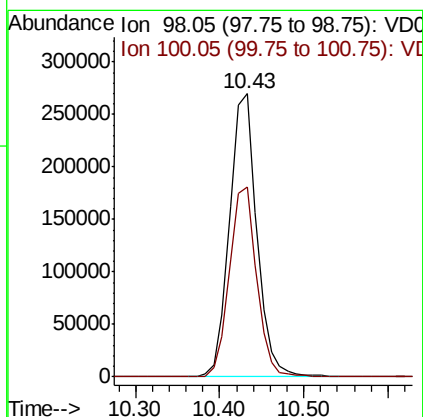
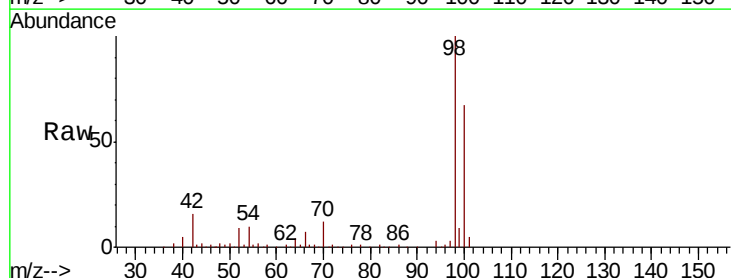
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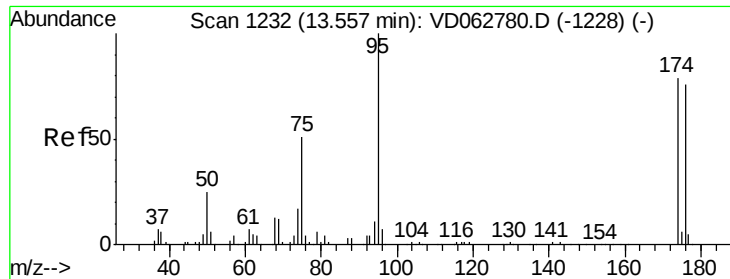
Tot Ion:117 Resp: 63586
Ion Ratio Lower Upper
117 100
119 3.9 75.4 113.2#
121 0.0 22.3 33.5#



#50
Toluene-d8
Concen: 43.381 ug/l
RT: 10.43 min Scan# 915
Delta R.T. 0.02 min
Lab File: VD062821.D
Acq: 21 Jun 2019 17:26

Tgt Ion: 98 Resp: 608405
Ion Ratio Lower Upper
98 100
100 67.1 54.7 82.1





#62

4-Bromofluorobenzene

Concen: 33.006 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD062821.D

Acq: 21 Jun 2019 17:26

Instrument :

MSVOA_D

ClientSampleId :

SAMPLE-4RE

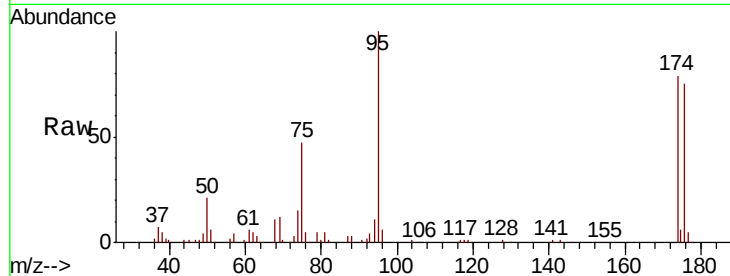
Tot Ion: 95 Resp: 210486

Ion Ratio Lower Upper

95 100

174 79.0 0.0 158.0

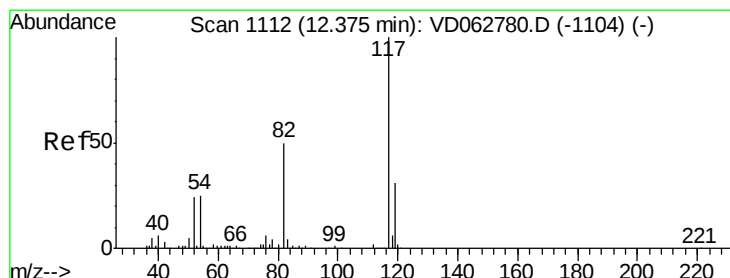
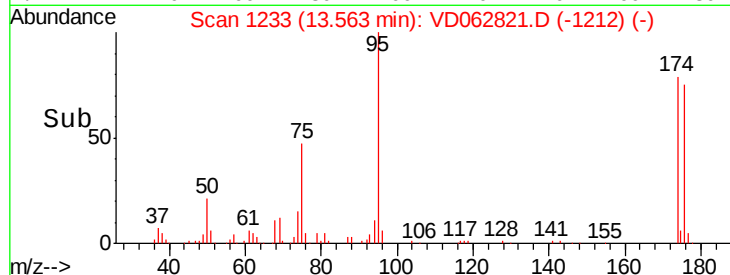
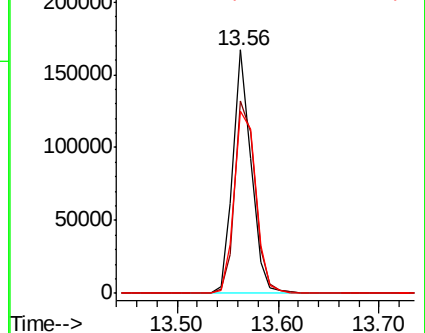
176 75.1 0.0 151.6



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: 12.38 min Scan# 1113

Delta R.T. 0.01 min

Lab File: VD062821.D

Acq: 21 Jun 2019 17:26

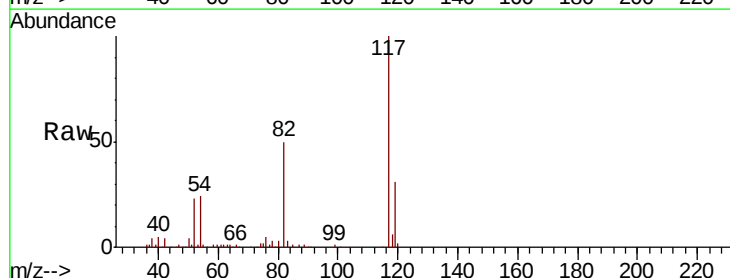
Tgt Ion: 117 Resp: 496870

Ion Ratio Lower Upper

117 100

82 49.9 40.4 60.6

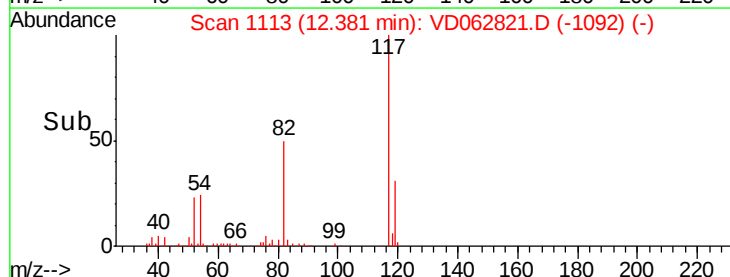
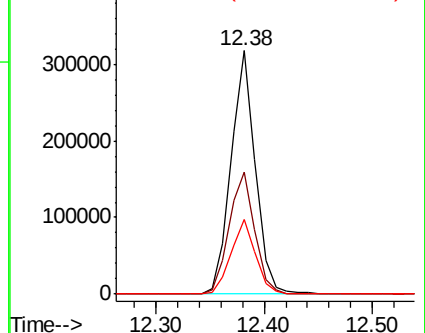
119 30.7 25.2 37.8

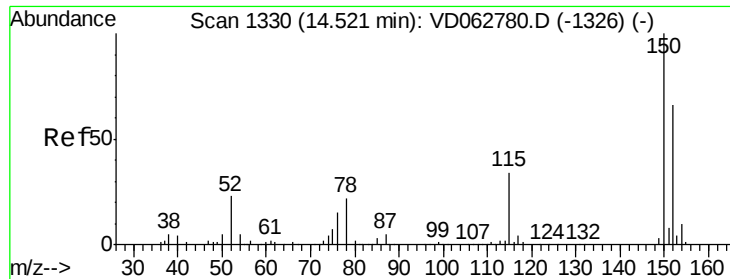


Abundance Ion 116.95 (116.65 to 117.65): V

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: 14.53 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD062821.D

Acq: 21 Jun 2019 17:26

Instrument :

MSVOA_D

ClientSampleId :

SAMPLE-4RE

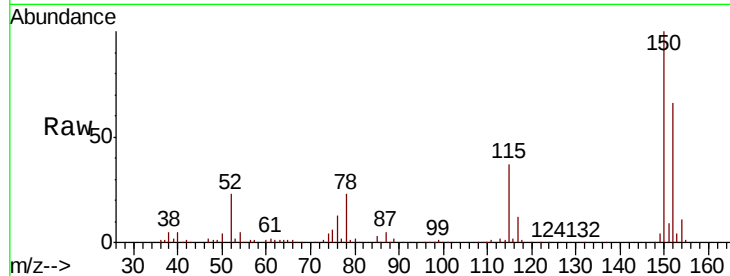
Tot Ion:152 Resp: 170289

Ion Ratio Lower Upper

152 100

115 56.4 29.2 87.6

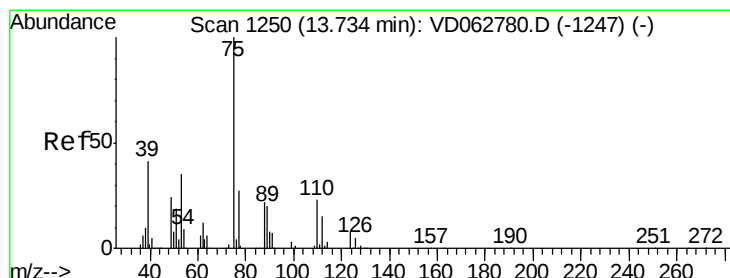
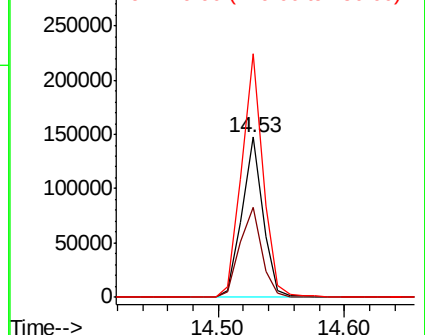
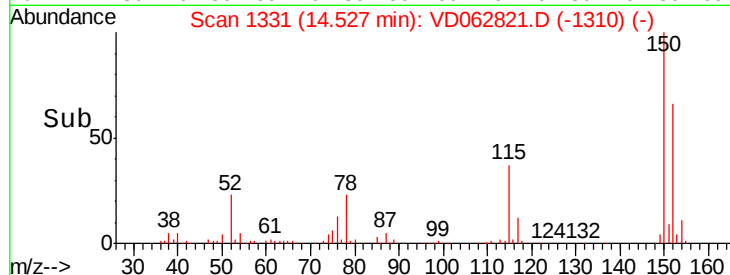
150 152.3 0.0 305.8



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



#76

1,2,3-Trichloropropane

Concen: 39.750 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.17 min

Lab File: VD062821.D

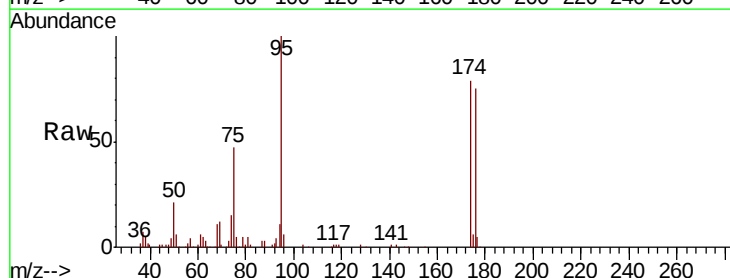
Acq: 21 Jun 2019 17:26

Tgt Ion: 75 Resp: 78144

Ion Ratio Lower Upper

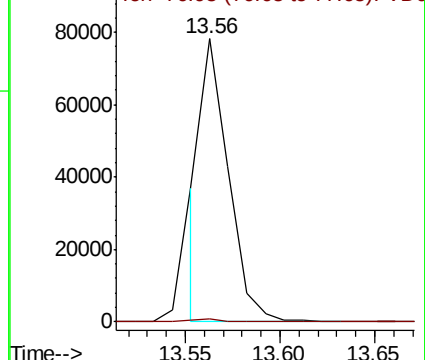
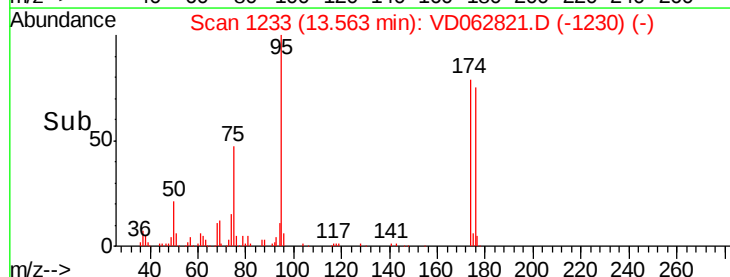
75 100

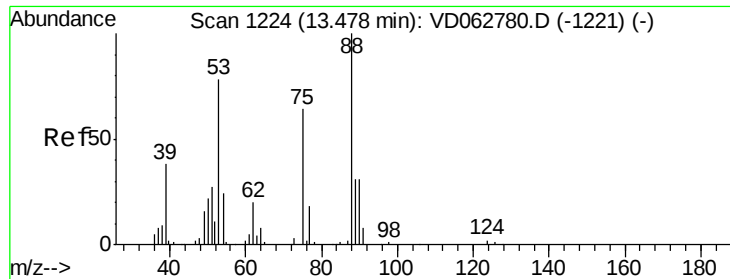
77 0.9 15.0 45.1#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

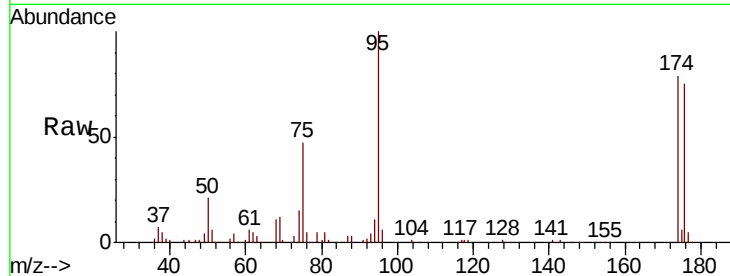




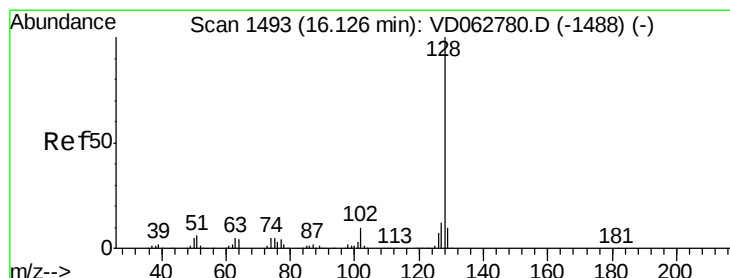
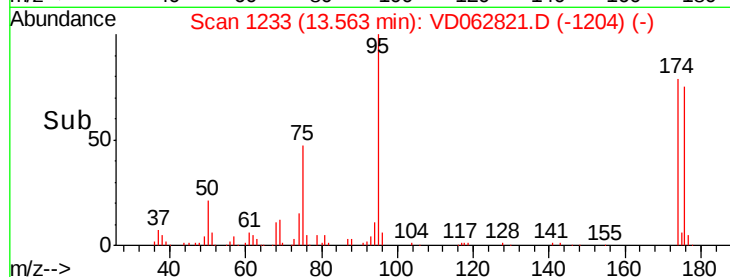
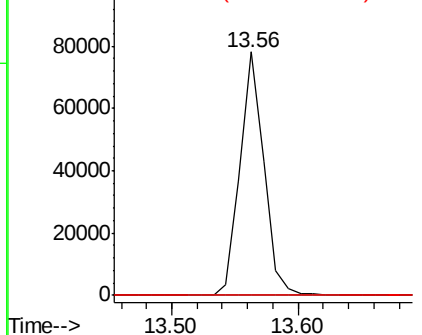
#81
trans-1,4-Dichloro-2-butene
Concen: 198.324 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.08 min
Lab File: VD062821.D
Acq: 21 Jun 2019 17:26

Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-4RE

Tot Ion: 75 Resp: 102181
Ion Ratio Lower Upper
75 100
53 0.0 97.8 146.8#
89 0.0 39.4 59.2#

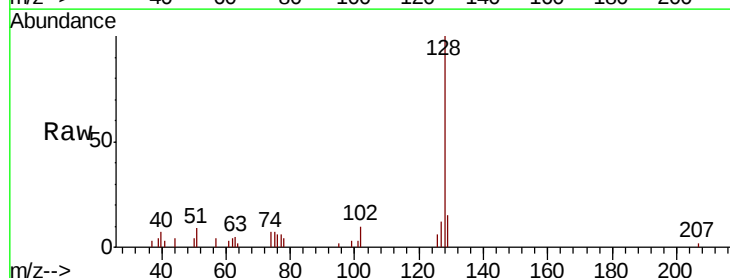


Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#95
Naphthalene
Concen: 3.989 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VD062821.D
Acq: 21 Jun 2019 17:26

Tgt Ion:128 Resp: 19673
Ion Ratio Lower Upper
128 100
127 11.8 9.7 14.5
129 14.9 8.3 12.5#



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

