

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062119\
 Data File : VD062825.D
 Acq On : 21 Jun 2019 19:15
 Operator : VA/AP
 Sample : K2459-02
 Misc : 3.28g/5ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-BPM-04-002

Quant Time: Jun 22 04:15:05 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	94798	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	145742	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	137118	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	86643	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	93565	90.80	ug/l	0.00
Spiked Amount			Recovery	=	181.60%	
35) Dibromofluoromethane	6.94	113	63680	51.82	ug/l	0.00
Spiked Amount			Recovery	=	103.64%	
50) Toluene-d8	10.42	98	113633	42.49	ug/l	0.00
Spiked Amount			Recovery	=	84.98%	
62) 4-Bromofluorobenzene	13.56	95	66953	55.05	ug/l	0.00
Spiked Amount			Recovery	=	110.10%	

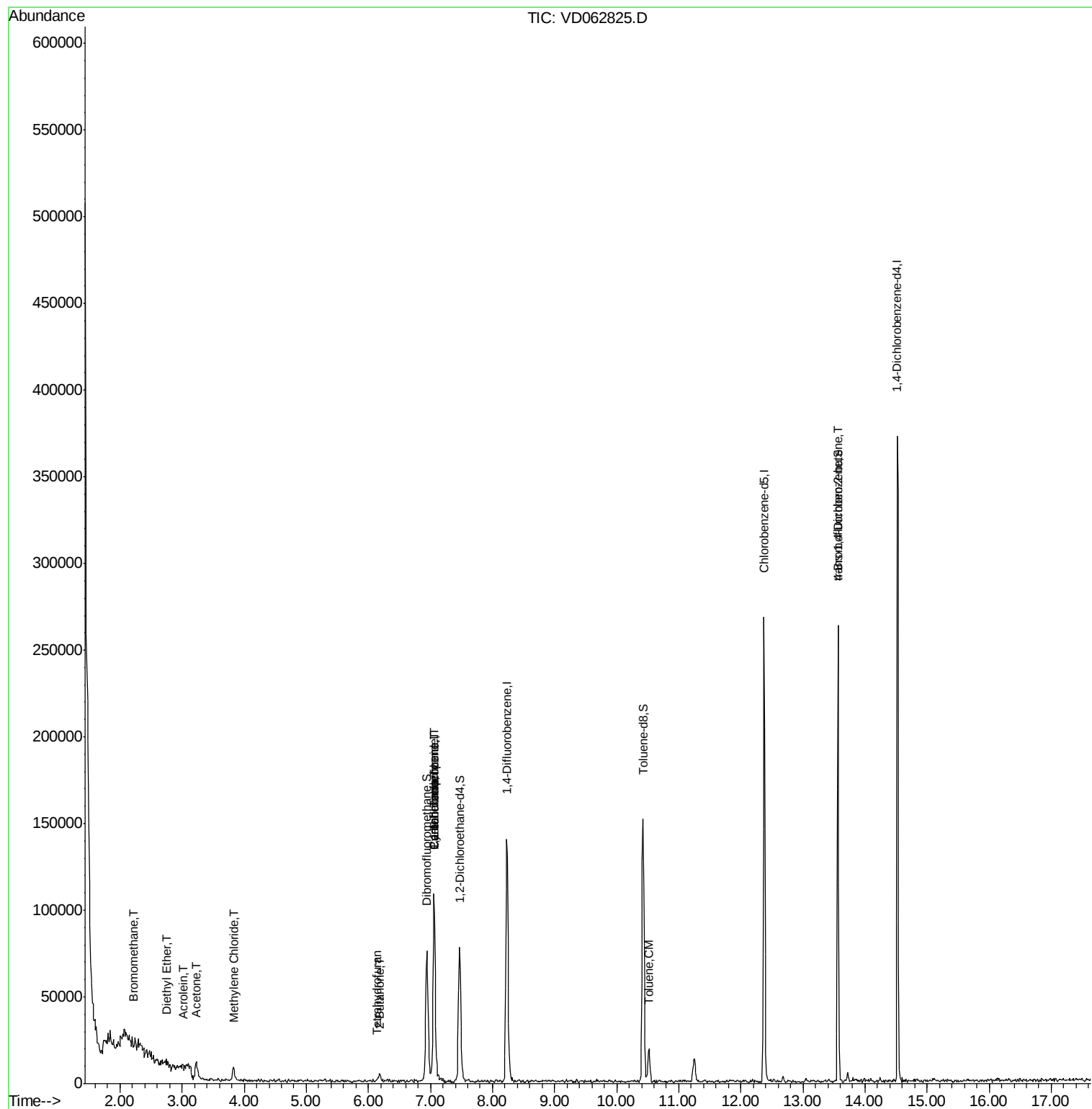
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.21	94	1027	2.397	ug/l #	13
8) Diethyl Ether	2.75	74	259	1.101	ug/l #	1
13) Acrolein	3.02	56	182	3.799	ug/l #	15
16) Acetone	3.23	43	19349	88.063	ug/l	99
20) Methylene Chloride	3.83	84	3980	5.065	ug/l #	88
25) 2-Butanone	6.17	43	231	1.199	ug/l #	64
29) Tetrahydrofuran	6.13	42	181	1.985	ug/l #	33
31) Cyclohexane	7.05	56	2556	2.641	ug/l #	1
36) 1,1-Dichloropropene	7.07	75	8180	5.929	ug/l #	56
37) Ethyl Acetate	6.17	43	231	Below Cal	#	69
38) Carbon Tetrachloride	7.06	117	11121	5.360	ug/l #	13
52) Toluene	10.52	92	9361	5.028	ug/l	83
81) trans-1,4-Dichloro-2-buten	13.56	75	33916	129.379	ug/l #	2

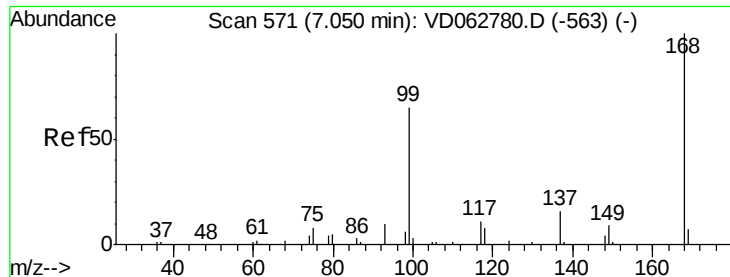
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD062825.D

Acq: 21 Jun 2019 19:15

Instrument :

MSVOA_D

ClientSampleId :

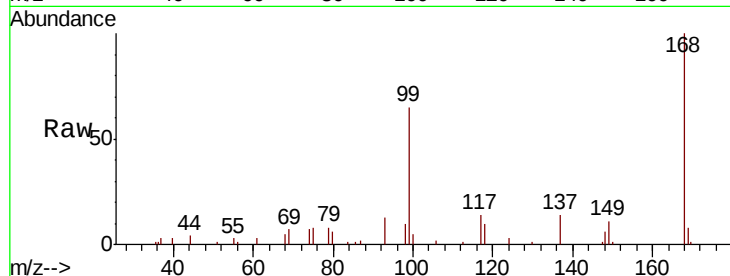
FK-BPM-04-002

Tot Ion:168 Resp: 94798

Ion Ratio Lower Upper

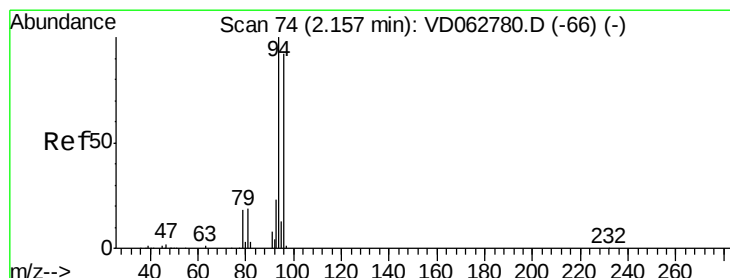
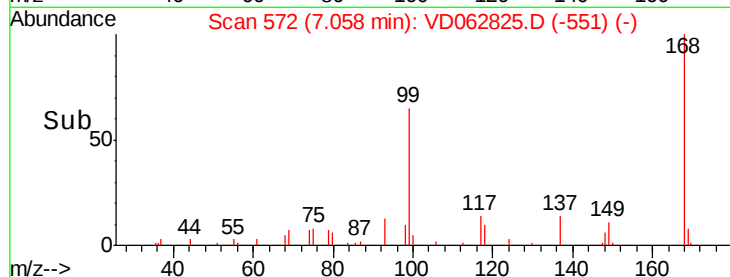
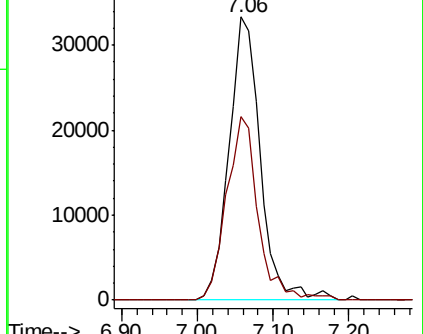
168 100

99 64.7 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 2.397 ug/l

RT: 2.21 min Scan# 80

Delta R.T. 0.06 min

Lab File: VD062825.D

Acq: 21 Jun 2019 19:15

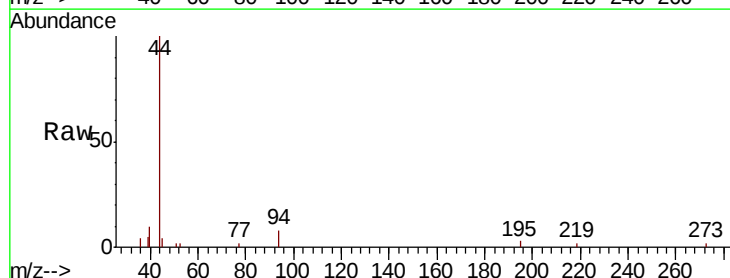
Tgt Ion: 94 Resp: 1027

Ion Ratio Lower Upper

94 100

96 0.0 73.4 110.2#

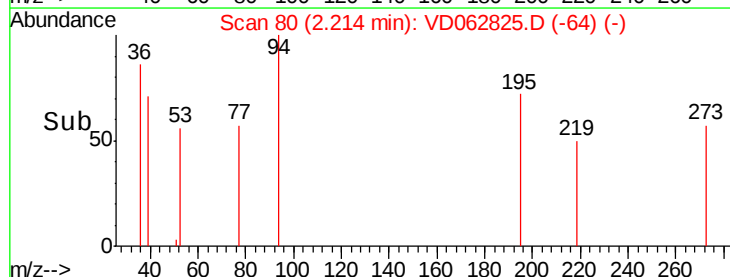
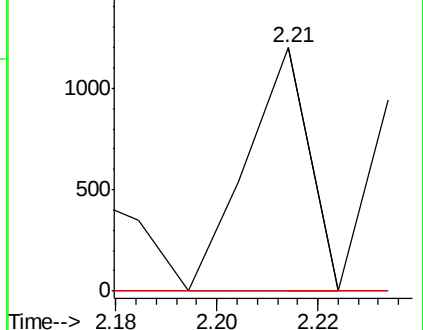
93 0.0 18.2 27.4#

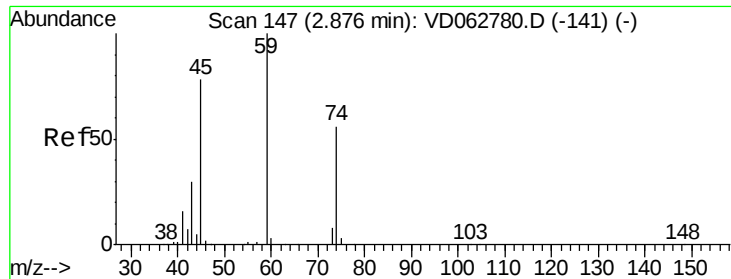


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC





#8

Diethyl Ether

Concen: 1.101 ug/l

RT: 2.75 min Scan# 134

Delta R.T. -0.13 min

Lab File: VD062825.D

Acq: 21 Jun 2019 19:15

Instrument :

MSVOA_D

ClientSampleId :

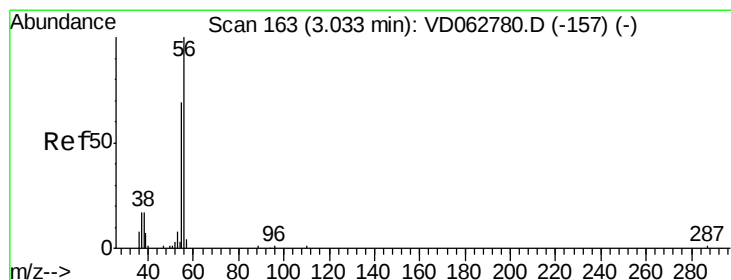
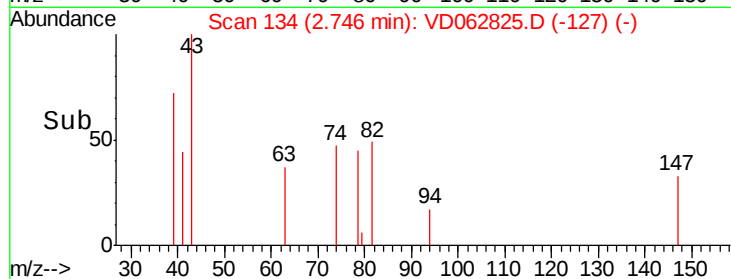
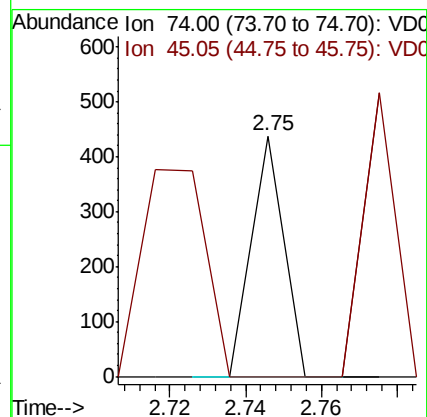
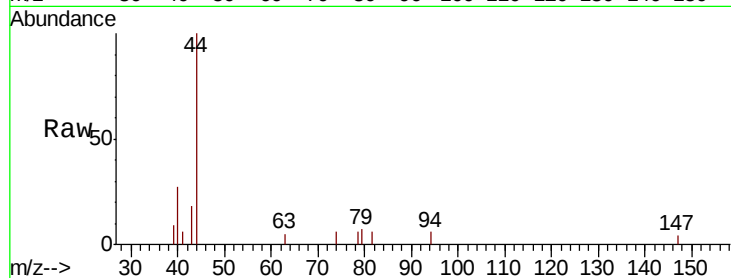
FK-BPM-04-002

Tot Ion: 74 Resp: 259

Ion Ratio Lower Upper

74 100

45 0.0 70.2 210.6#



#13

Acrolein

Concen: 3.799 ug/l

RT: 3.02 min Scan# 162

Delta R.T. -0.01 min

Lab File: VD062825.D

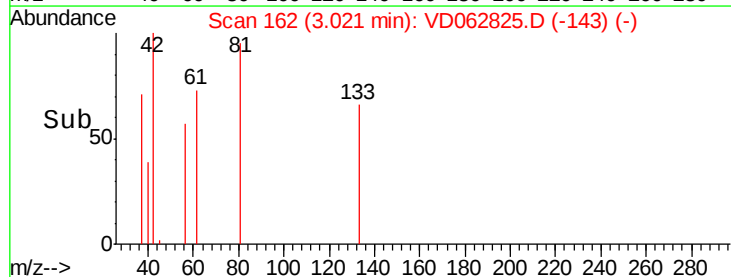
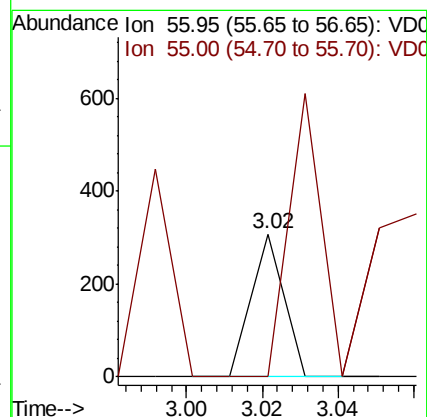
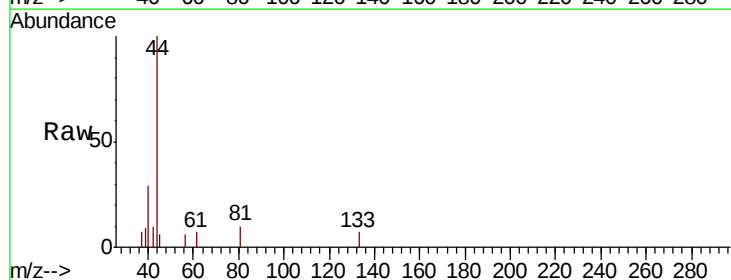
Acq: 21 Jun 2019 19:15

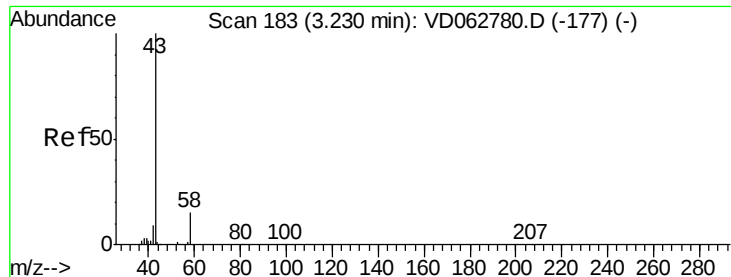
Tgt Ion: 56 Resp: 182

Ion Ratio Lower Upper

56 100

55 0.0 55.4 83.0#





#16

Acetone

Concen: 88.063 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD062825.D

Acq: 21 Jun 2019 19:15

Instrument :

MSVOA_D

ClientSampleId :

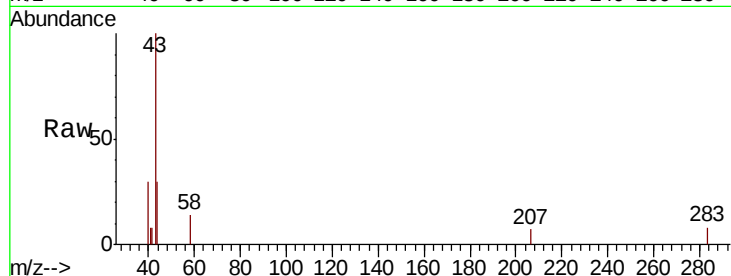
FK-BPM-04-002

Tot Ion: 43 Resp: 19349

Ion Ratio Lower Upper

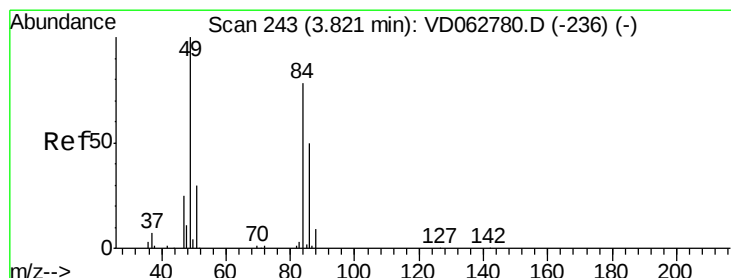
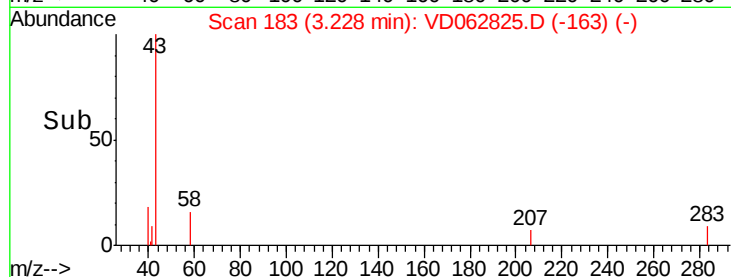
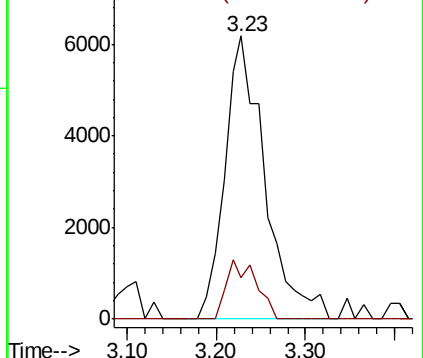
43 100

58 14.5 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: 5.065 ug/l

RT: 3.83 min Scan# 244

Delta R.T. 0.01 min

Lab File: VD062825.D

Acq: 21 Jun 2019 19:15

Tgt Ion: 84 Resp: 3980

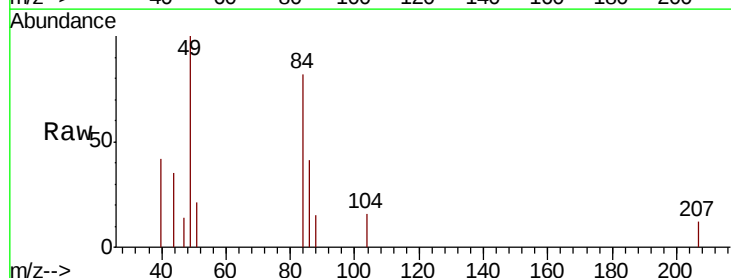
Ion Ratio Lower Upper

84 100

49 121.3 102.9 154.3

51 25.1 31.2 46.8#

86 50.2 51.4 77.2#

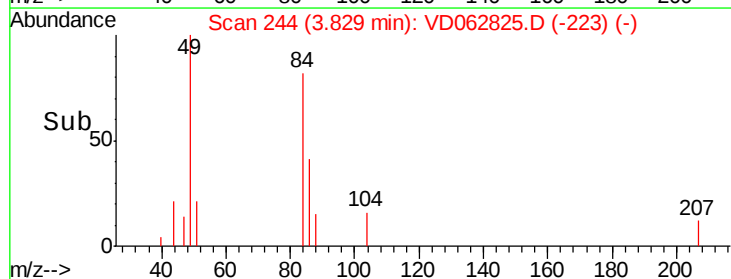
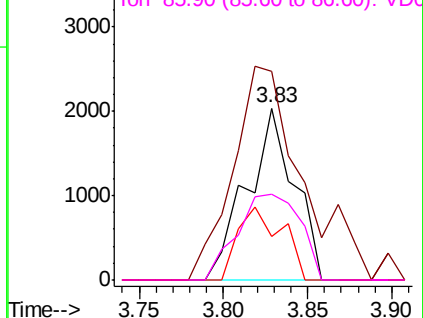


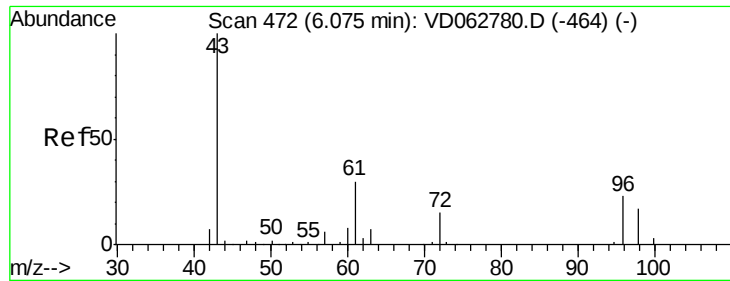
Abundance Ion 83.95 (83.65 to 84.65): VDC

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

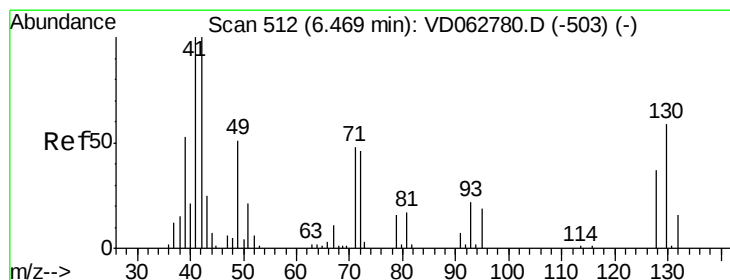
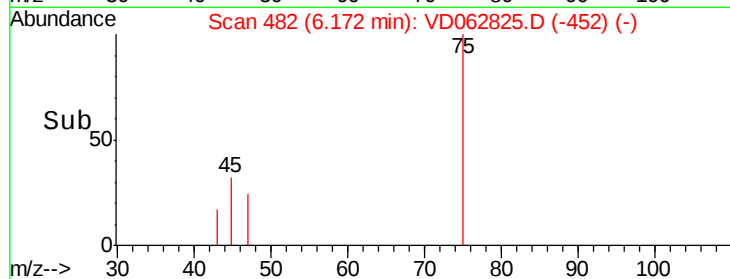
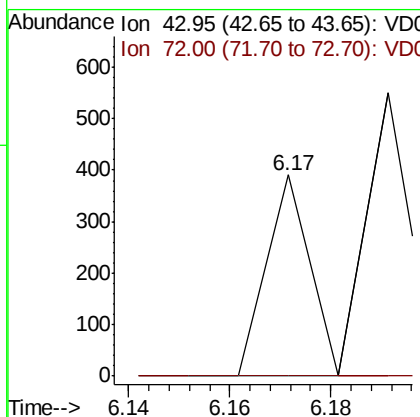
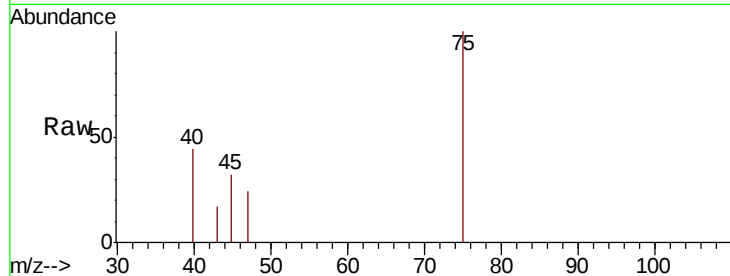




#25
2-Butanone
Concen: 1.199 ug/l
RT: 6.17 min Scan# 482
Delta R.T. 0.10 min
Lab File: VD062825.D
Acq: 21 Jun 2019 19:15

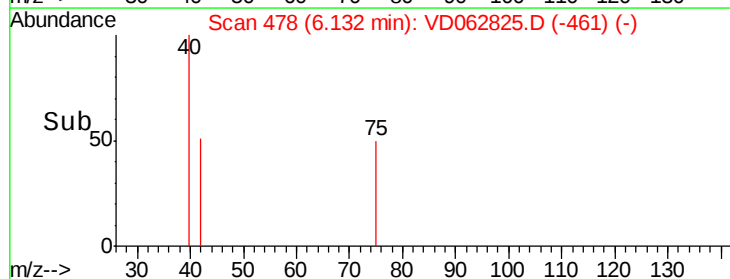
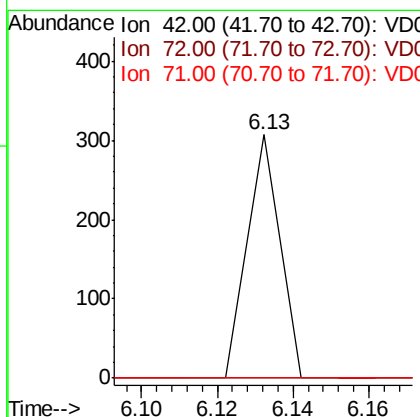
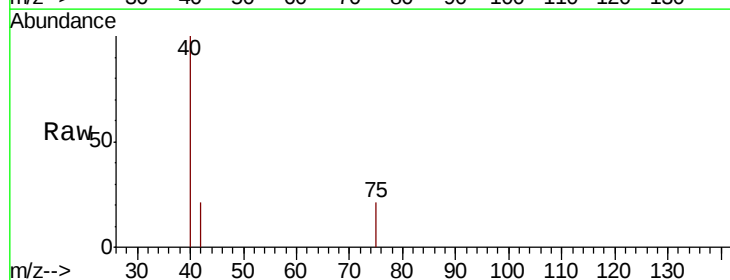
Instrument :
MSVOA_D
ClientSampleId :
FK-BPM-04-002

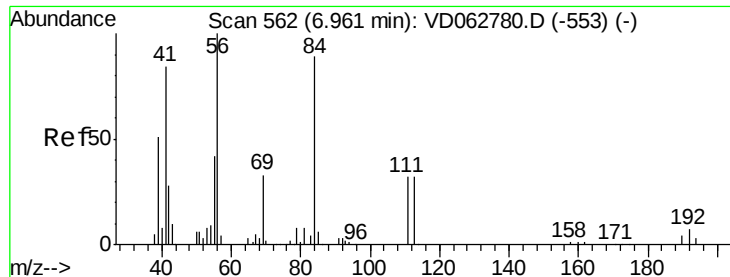
Tot Ion: 43 Resp: 231
Ion Ratio Lower Upper
43 100
72 0.0 11.9 17.9#



#29
Tetrahydrofuran
Concen: 1.985 ug/l
RT: 6.13 min Scan# 478
Delta R.T. -0.34 min
Lab File: VD062825.D
Acq: 21 Jun 2019 19:15

Tgt Ion: 42 Resp: 181
Ion Ratio Lower Upper
42 100
72 0.0 35.0 52.6#
71 0.0 33.3 49.9#

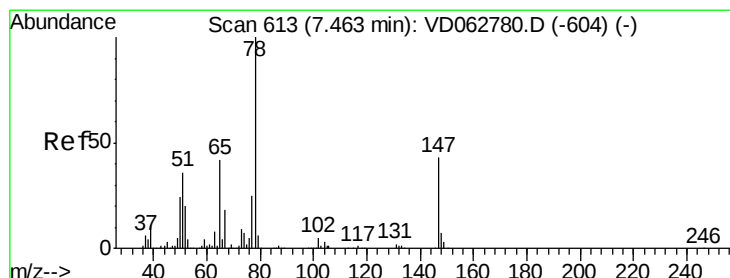
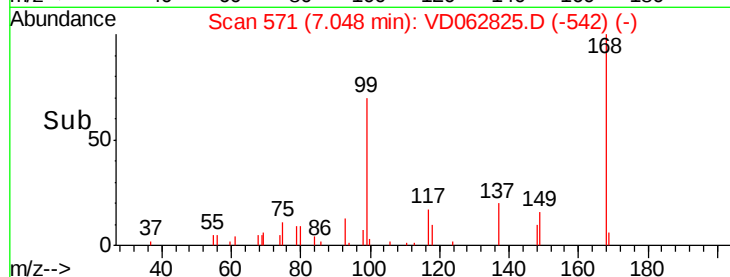
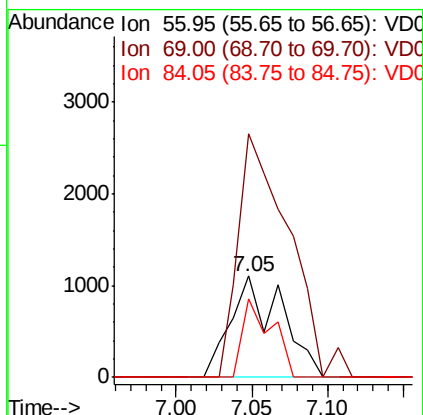
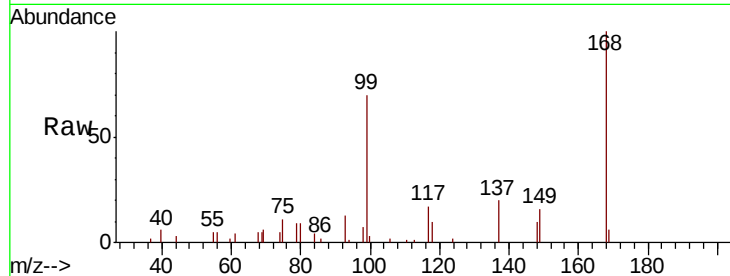




#31
Cyclohexane
Concen: 2.641 ug/l
RT: 7.05 min Scan# 571
Delta R.T. 0.09 min
Lab File: VD062825.D
Acq: 21 Jun 2019 19:15

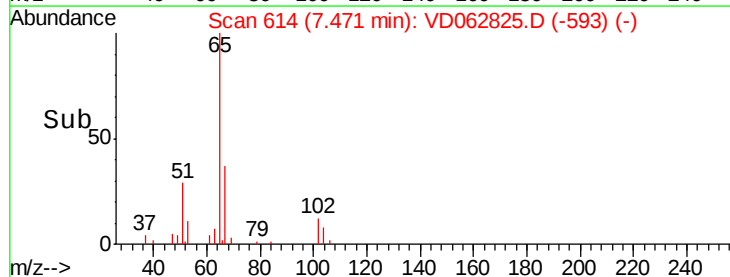
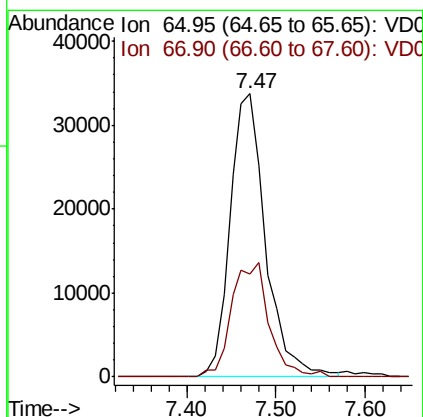
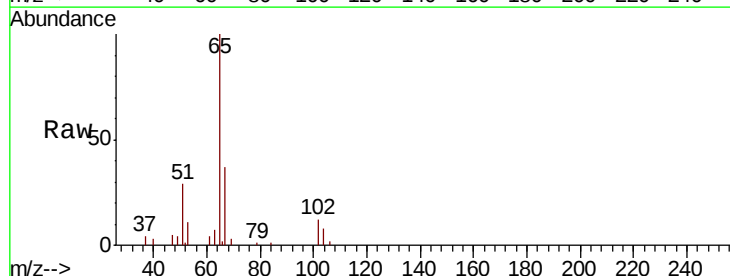
Instrument :
MSVOA_D
ClientSampleId :
FK-BPM-04-002

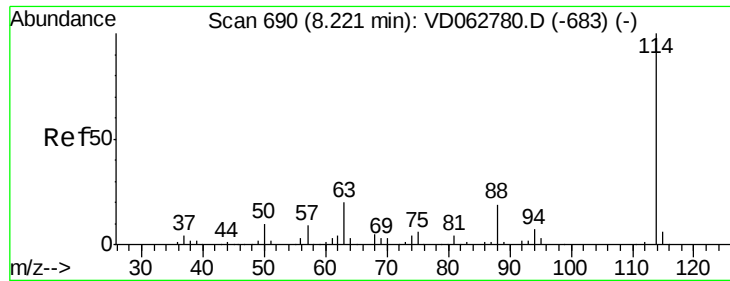
Tot Ion: 56 Resp: 2556
Ion Ratio Lower Upper
56 100
69 240.1 26.6 39.8#
84 77.8 75.5 113.3



#33
1,2-Dichloroethane-d4
Concen: 90.801 ug/l
RT: 7.47 min Scan# 614
Delta R.T. 0.01 min
Lab File: VD062825.D
Acq: 21 Jun 2019 19:15

Tgt Ion: 65 Resp: 93565
Ion Ratio Lower Upper
65 100
67 36.6 0.0 87.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. 0.01 min

Lab File: VD062825.D

Acq: 21 Jun 2019 19:15

Instrument :

MSVOA_D

ClientSampleId :

FK-BPM-04-002

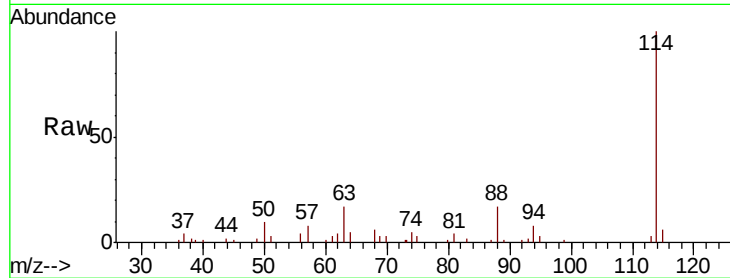
Tot Ion:114 Resp: 145742

Ion Ratio Lower Upper

114 100

63 16.6 0.0 40.0

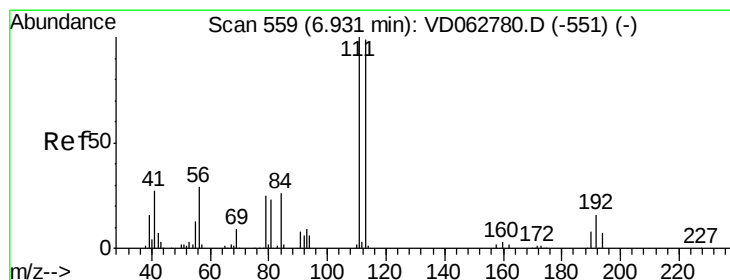
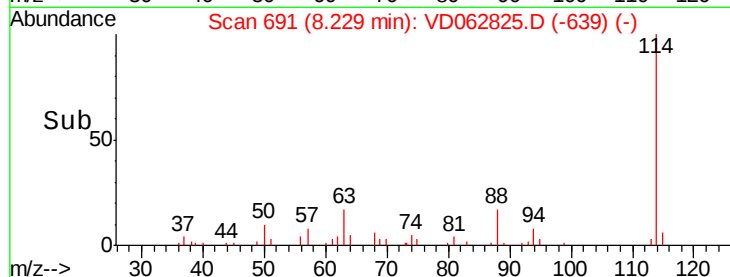
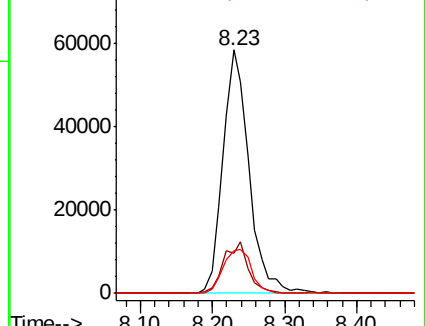
88 17.3 0.0 38.8



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: 51.819 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.01 min

Lab File: VD062825.D

Acq: 21 Jun 2019 19:15

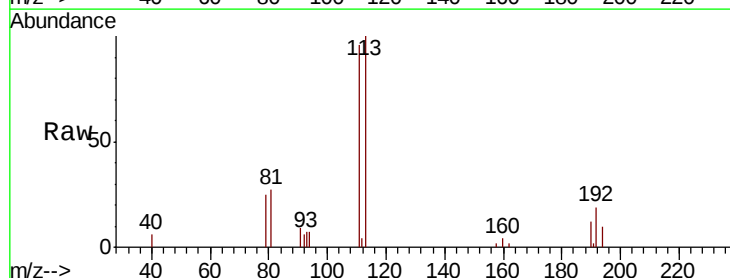
Tgt Ion:113 Resp: 63680

Ion Ratio Lower Upper

113 100

111 96.3 81.2 121.8

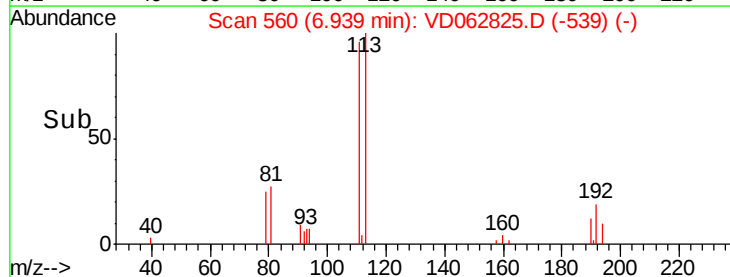
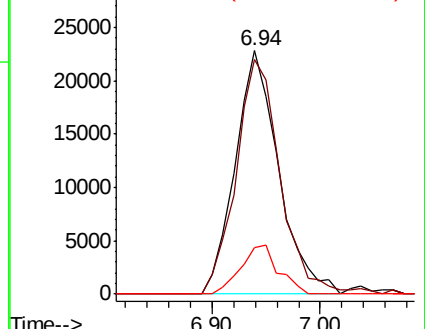
192 19.1 12.9 19.3

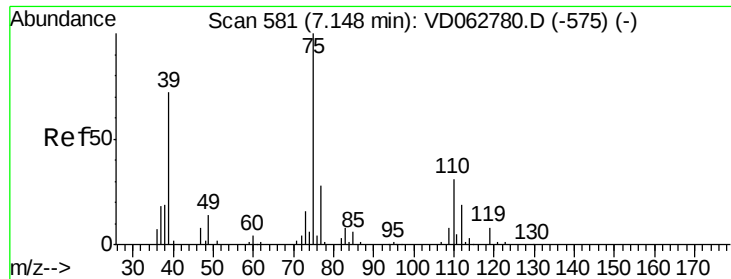


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 5.929 ug/l

RT: 7.07 min Scan# 573

Delta R.T. -0.08 min

Lab File: VD062825.D

Acq: 21 Jun 2019 19:15

Instrument :

MSVOA_D

ClientSampleId :

FK-BPM-04-002

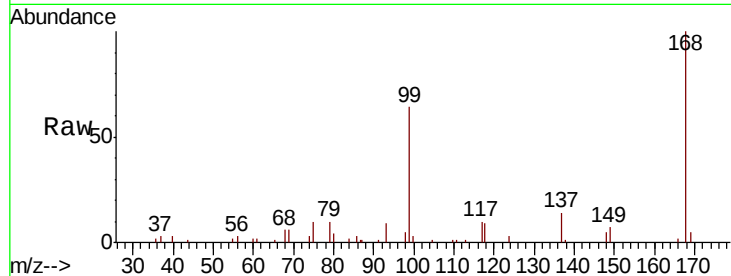
Tot Ion: 75 Resp: 8180

Ion Ratio Lower Upper

75 100

110 10.9 15.0 45.1#

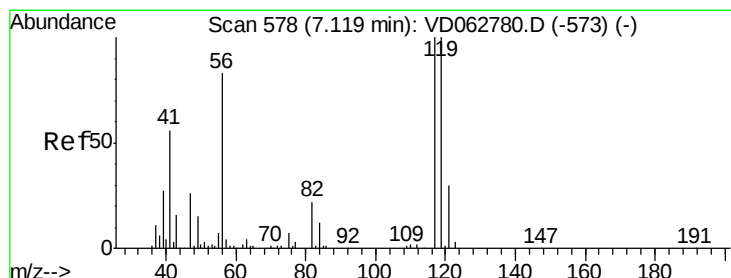
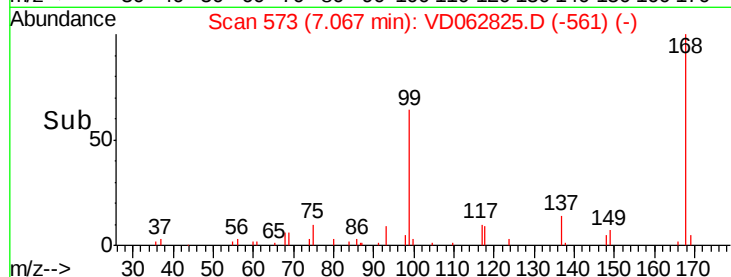
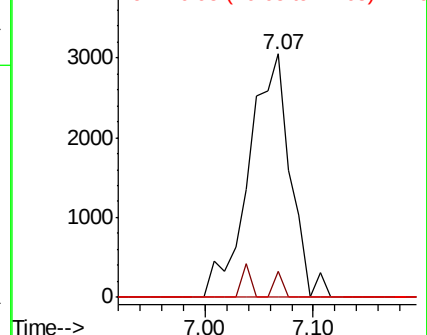
77 0.0 22.2 33.2#



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



#38

Carbon Tetrachloride

Concen: 5.360 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.06 min

Lab File: VD062825.D

Acq: 21 Jun 2019 19:15

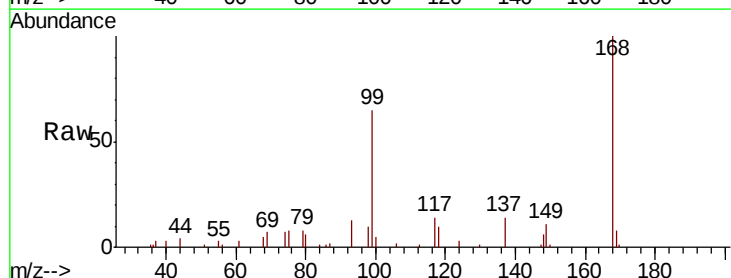
Tgt Ion: 117 Resp: 11121

Ion Ratio Lower Upper

117 100

119 0.0 75.4 113.2#

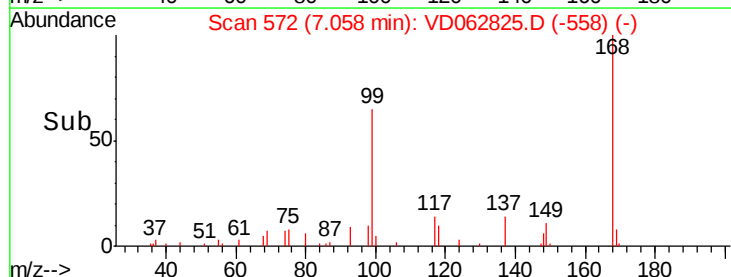
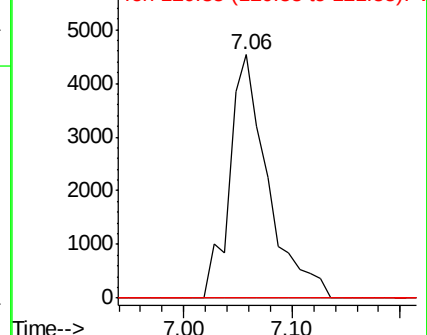
121 0.0 22.3 33.5#

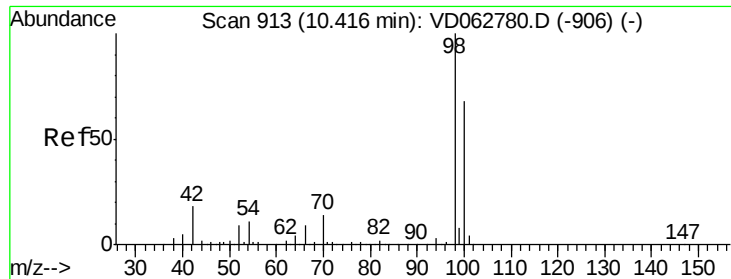


Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 118.85 (118.55 to 119.55): VDC

Ion 120.85 (120.55 to 121.55): VDC

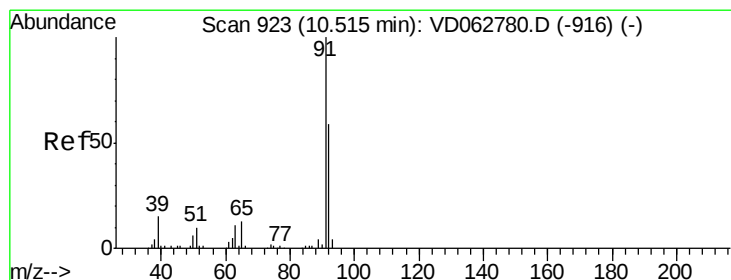
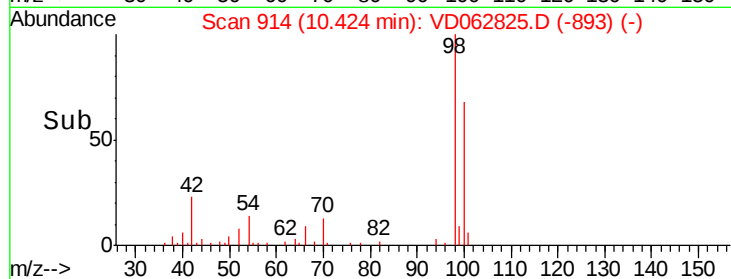
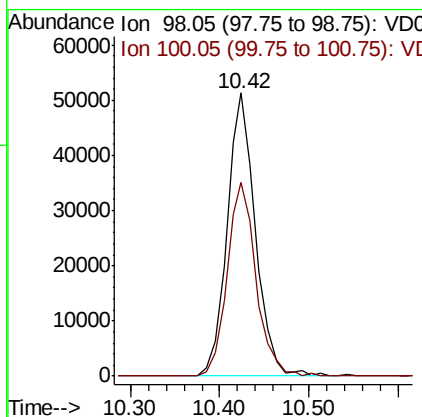
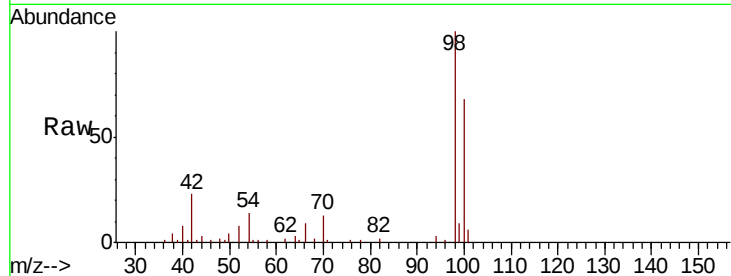




#50
Toluene-d8
Concen: 42.486 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.01 min
Lab File: VD062825.D
Acq: 21 Jun 2019 19:15

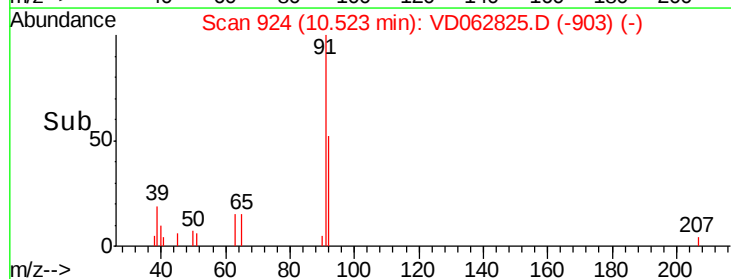
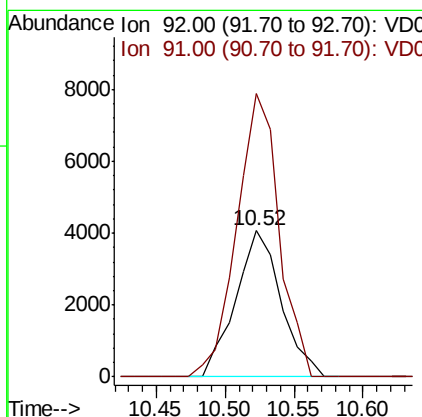
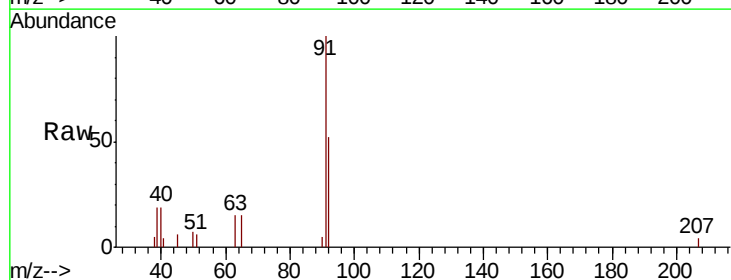
Instrument :
MSVOA_D
ClientSampleId :
FK-BPM-04-002

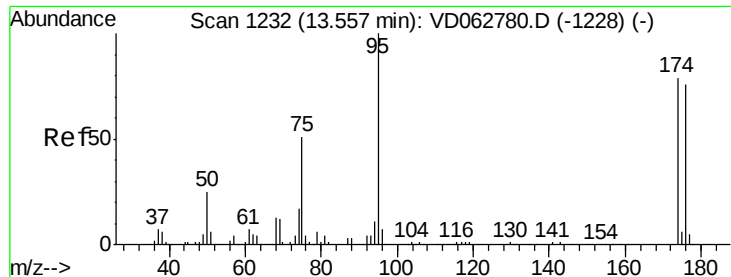
Tot Ion: 98 Resp: 113633
Ion Ratio Lower Upper
98 100
100 68.5 54.7 82.1



#52
Toluene
Concen: 5.028 ug/l
RT: 10.52 min Scan# 924
Delta R.T. 0.01 min
Lab File: VD062825.D
Acq: 21 Jun 2019 19:15

Tgt Ion: 92 Resp: 9361
Ion Ratio Lower Upper
92 100
91 194.0 136.3 204.5





#62

4-Bromofluorobenzene

Concen: 55.052 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD062825.D

Acq: 21 Jun 2019 19:15

Instrument :

MSVOA_D

ClientSampleId :

FK-BPM-04-002

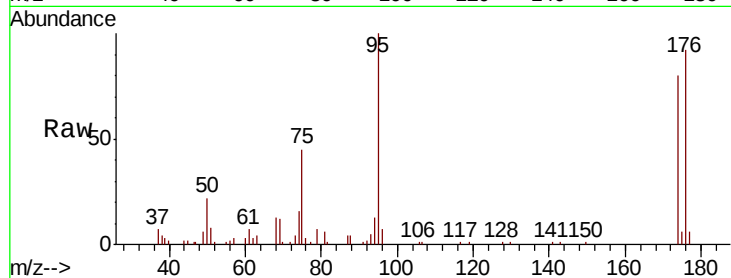
Tot Ion: 95 Resp: 66953

Ion Ratio Lower Upper

95 100

174 79.5 0.0 158.0

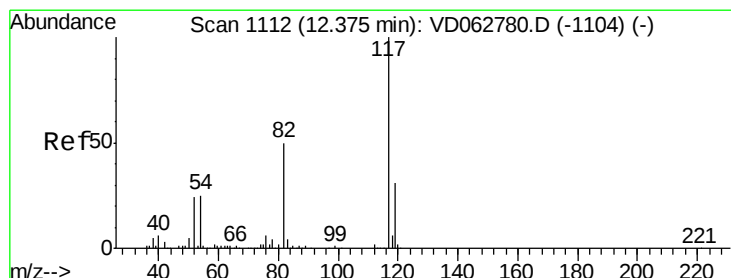
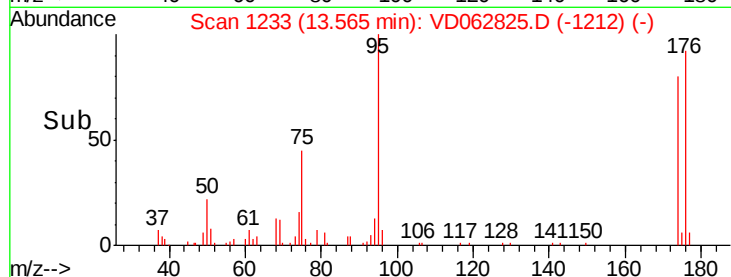
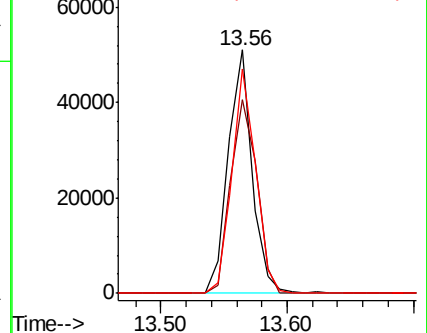
176 92.3 0.0 151.6



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: VD062825.D

Acq: 21 Jun 2019 19:15

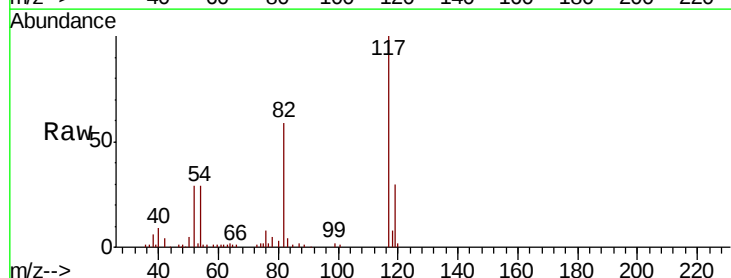
Tgt Ion: 117 Resp: 137118

Ion Ratio Lower Upper

117 100

82 59.0 40.4 60.6

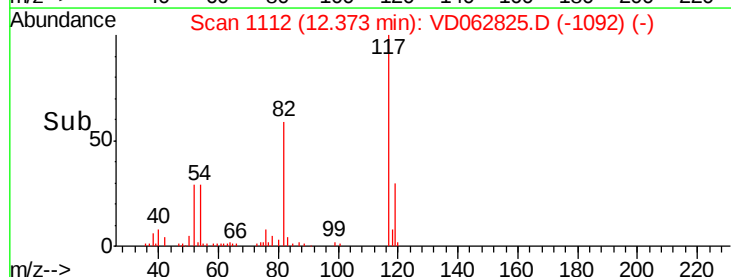
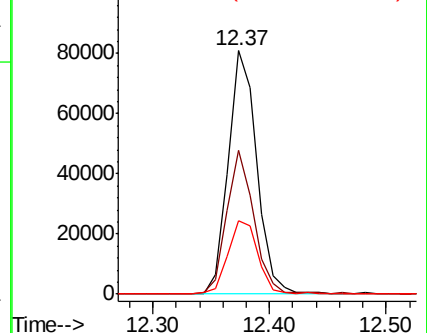
119 30.0 25.2 37.8

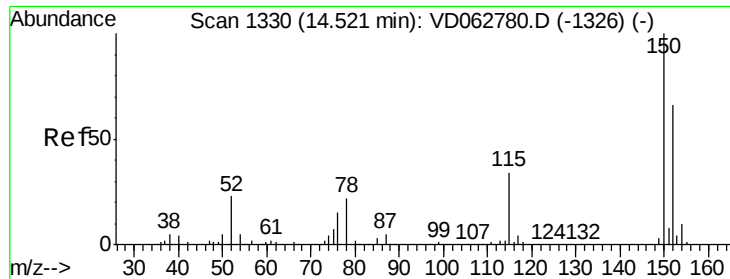


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD062825.D

Acq: 21 Jun 2019 19:15

Instrument :

MSVOA_D

ClientSampleId :

FK-BPM-04-002

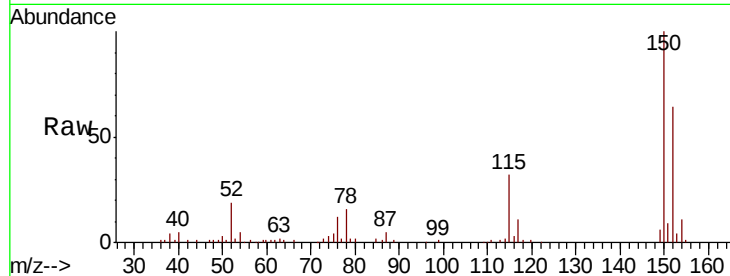
Tot Ion:152 Resp: 86643

Ion Ratio Lower Upper

152 100

115 49.5 29.2 87.6

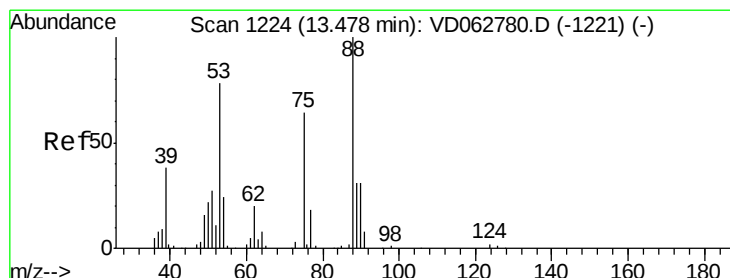
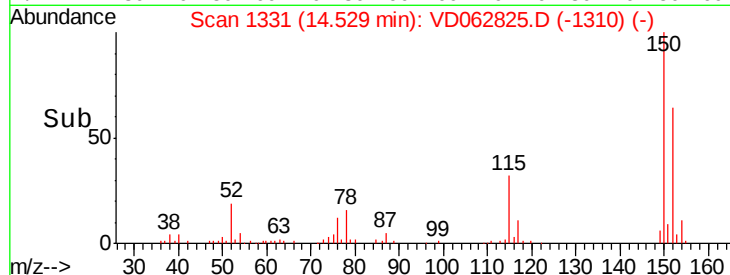
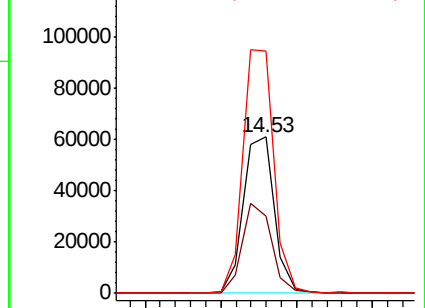
150 155.5 0.0 305.8



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: 129.379 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD062825.D

Acq: 21 Jun 2019 19:15

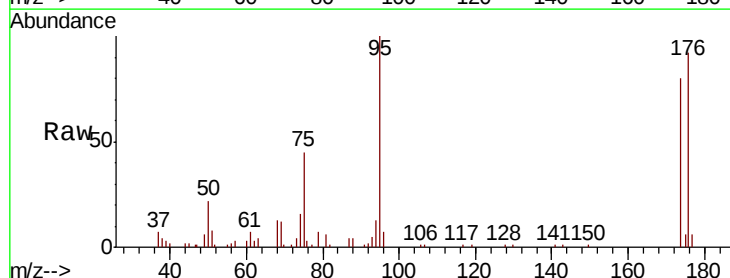
Tgt Ion: 75 Resp: 33916

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

