

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062119\
 Data File : VD062827.D
 Acq On : 21 Jun 2019 20:10
 Operator : VA/AP
 Sample : K3487-02
 Misc : 6.28g/5ml/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-PS-01-048

Quant Time: Jun 22 04:15:24 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	7.05	168	276162	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	403217	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.38	117	187177	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	35179	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	246598	82.15	ug/l	0.00
Spiked Amount			Recovery	=	164.30%	
35) Dibromofluoromethane	6.93	113	238345	70.10	ug/l	0.00
Spiked Amount			Recovery	=	140.20%	
50) Toluene-d8	10.42	98	288534	38.99	ug/l	0.00
Spiked Amount			Recovery	=	77.98%	
62) 4-Bromofluorobenzene	13.56	95	51683	15.36	ug/l	0.00
Spiked Amount			Recovery	=	30.72%	

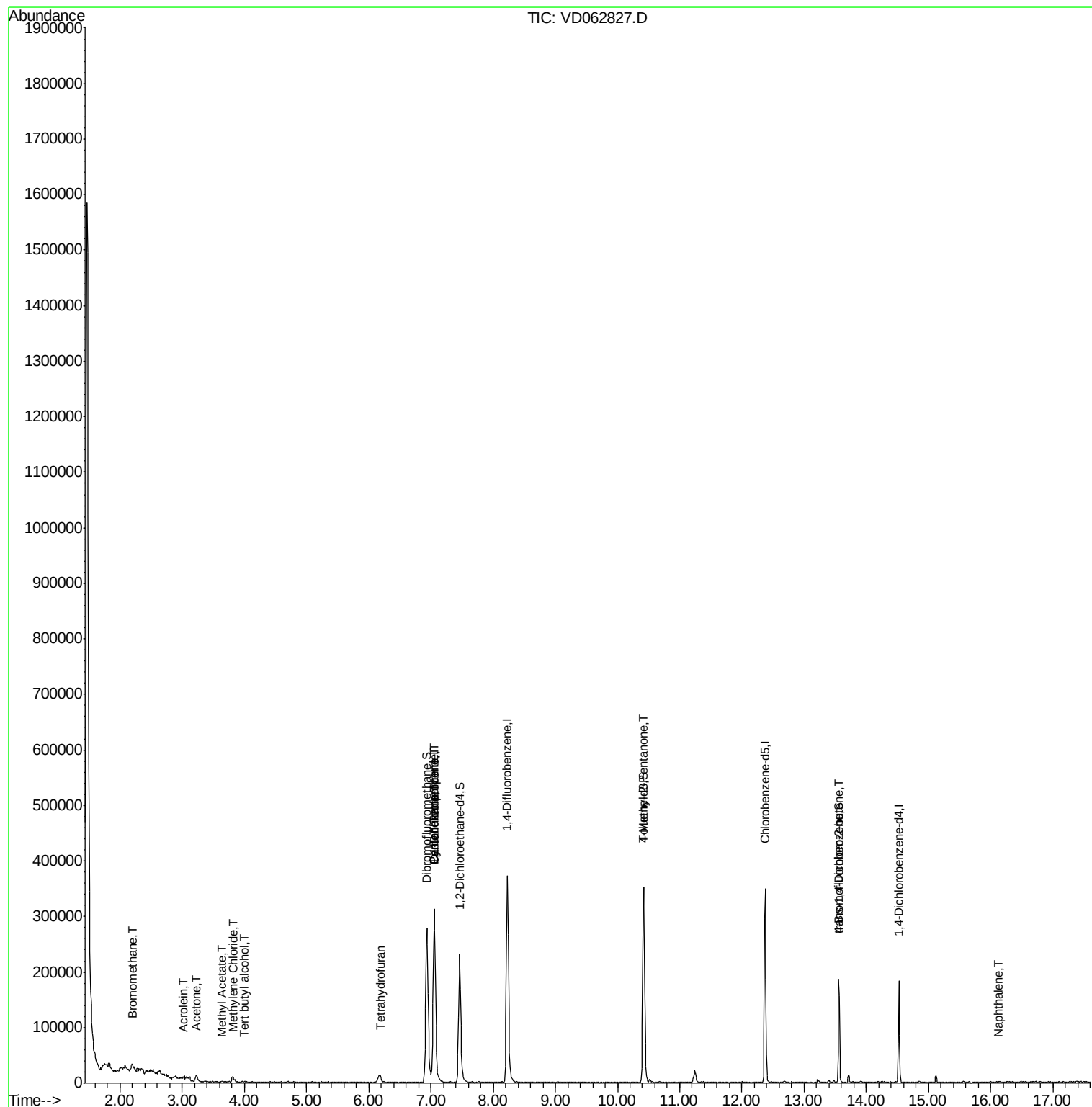
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.19	94	2800	2.244	ug/l #	13
11) Tert butyl alcohol	3.99	59	669	4.893	ug/l #	77
13) Acrolein	3.00	56	198	1.419	ug/l #	1
16) Acetone	3.22	43	24102	33.536	ug/l #	89
18) Methyl Acetate	3.63	43	2156	2.379	ug/l #	58
20) Methylene Chloride	3.81	84	6415	2.802	ug/l #	87
29) Tetrahydrofuran	6.19	42	273	1.028	ug/l #	33
31) Cyclohexane	7.05	56	6383	2.264	ug/l #	11
36) 1,1-Dichloropropene	7.06	75	23379	6.125	ug/l #	58
37) Ethyl Acetate	6.18	43	708	Below Cal	#	12
38) Carbon Tetrachloride	7.06	117	29406	5.122	ug/l #	13
51) 4-Methyl-2-Pentanone	10.42	43	1469	1.035	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.56	75	24485	230.042	ug/l #	2
95) Naphthalene	16.13	128	1275	1.252	ug/l #	70

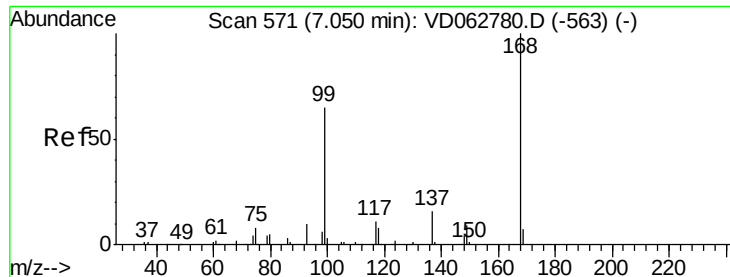
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.00 min

Lab File: VD062827.D

Acq: 21 Jun 2019 20:10

Instrument :

MSVOA_D

ClientSampleId :

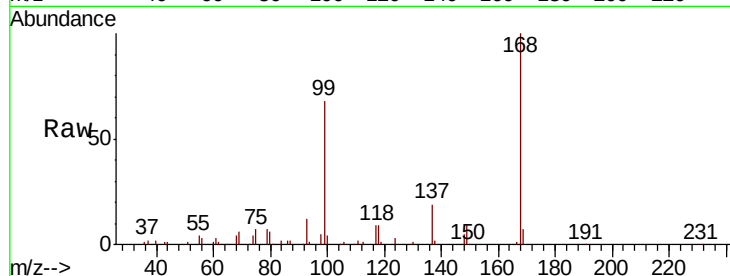
FK-PS-01-048

Tot Ion:168 Resp: 276162

Ion Ratio Lower Upper

168 100

99 68.3 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

100000

80000

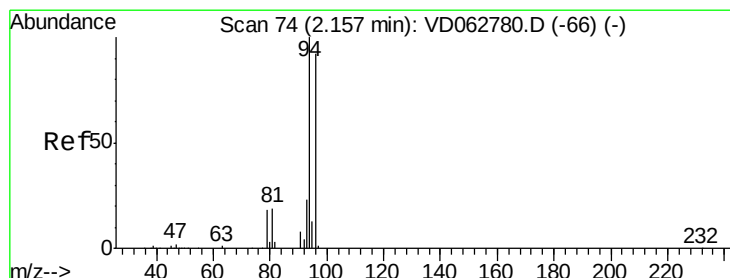
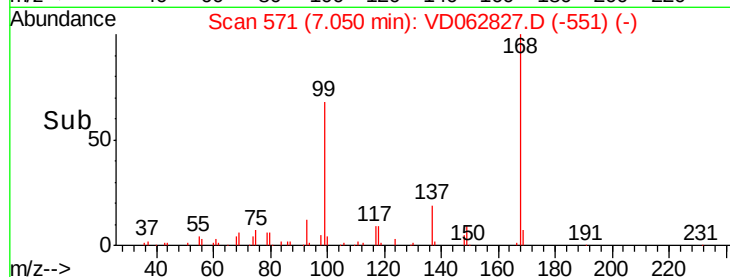
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 2.244 ug/l

RT: 2.19 min Scan# 77

Delta R.T. 0.03 min

Lab File: VD062827.D

Acq: 21 Jun 2019 20:10

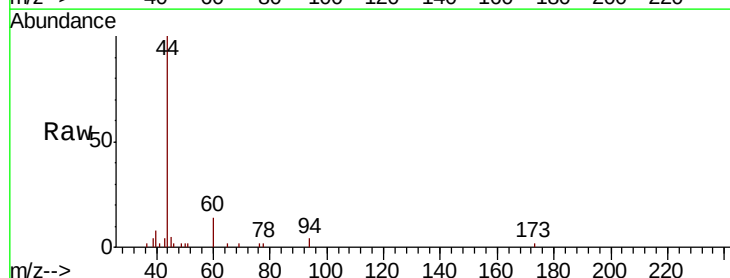
Tgt Ion: 94 Resp: 2800

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

1000

800

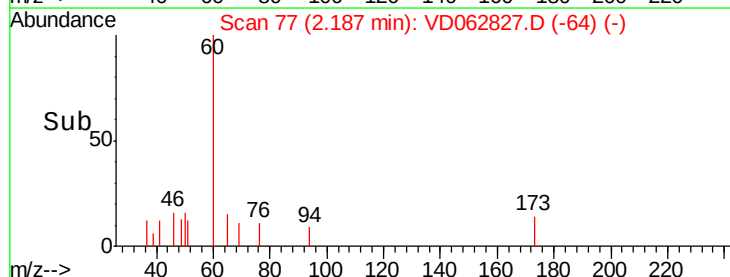
600

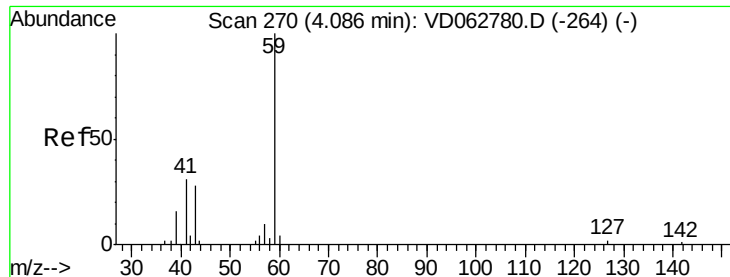
400

200

0

Time-->

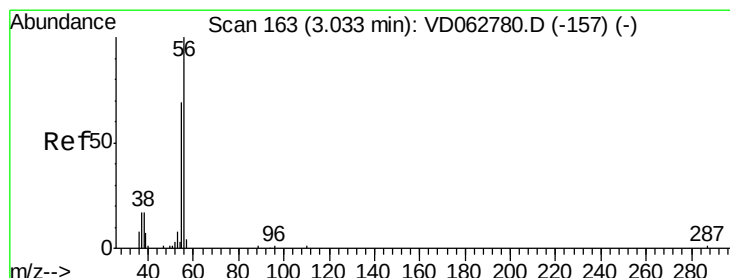
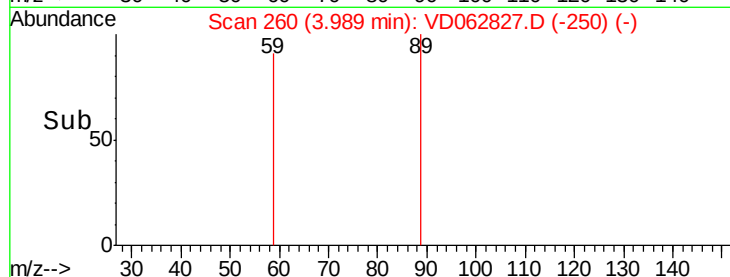
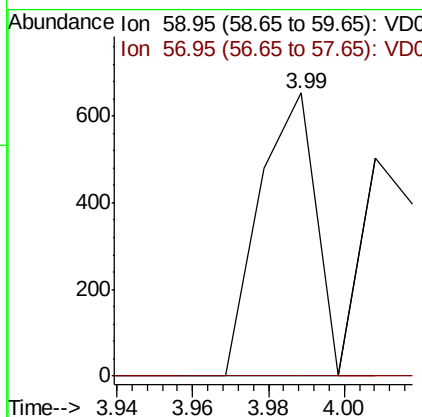
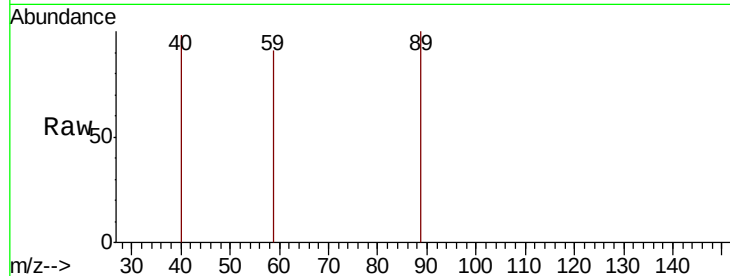




#11
Tert butyl alcohol
Concen: 4.893 ug/l
RT: 3.99 min Scan# 260
Delta R.T. -0.10 min
Lab File: VD062827.D
Acq: 21 Jun 2019 20:10

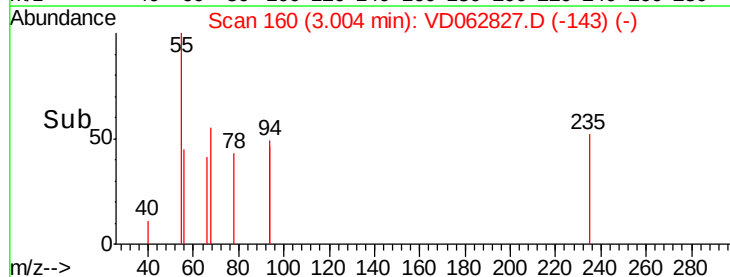
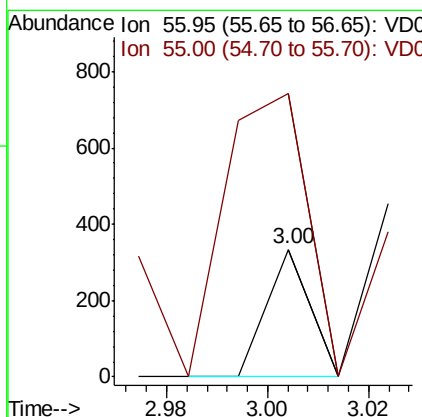
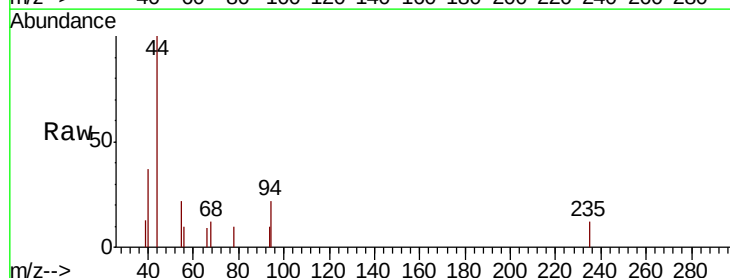
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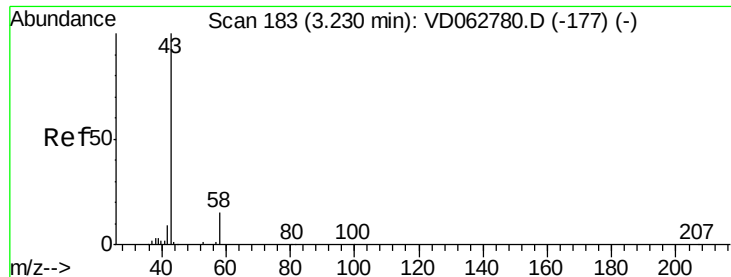
Tot Ion: 59 Resp: 669
Ion Ratio Lower Upper
59 100
57 0.0 6.6 10.0#



#13
Acrolein
Concen: 1.419 ug/l
RT: 3.00 min Scan# 160
Delta R.T. -0.03 min
Lab File: VD062827.D
Acq: 21 Jun 2019 20:10

Tgt Ion: 56 Resp: 198
Ion Ratio Lower Upper
56 100
55 221.5 55.4 83.0#





#16

Acetone

Concen: 33.536 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD062827.D

Acq: 21 Jun 2019 20:10

Instrument :

MSVOA_D

ClientSampleId :

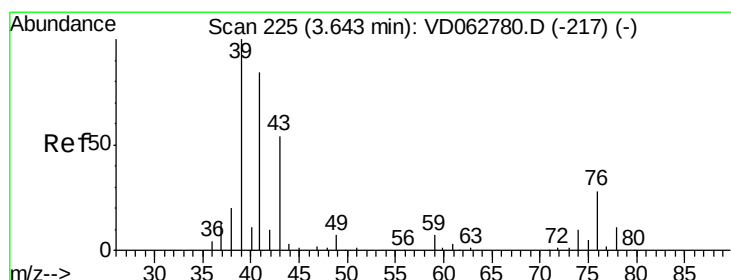
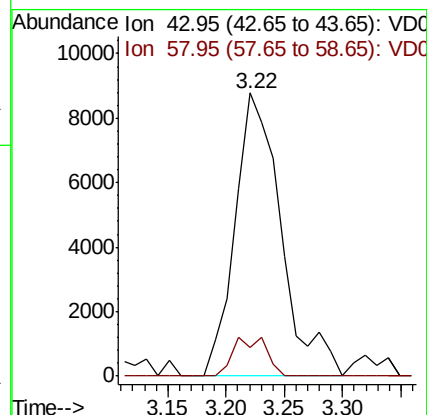
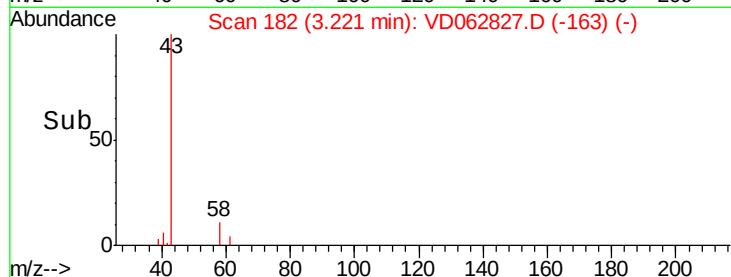
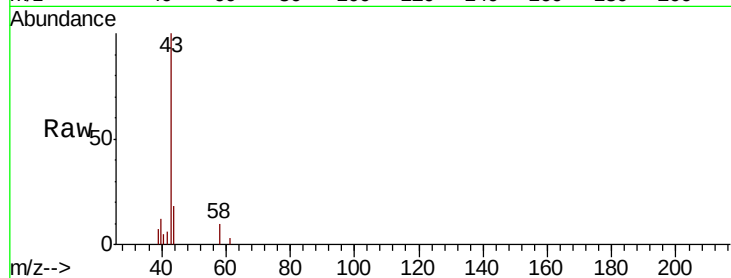
FK-PS-01-048

Tot Ion: 43 Resp: 24102

Ion Ratio Lower Upper

43 100

58 10.3 11.9 17.9#



#18

Methyl Acetate

Concen: 2.379 ug/l

RT: 3.63 min Scan# 224

Delta R.T. -0.01 min

Lab File: VD062827.D

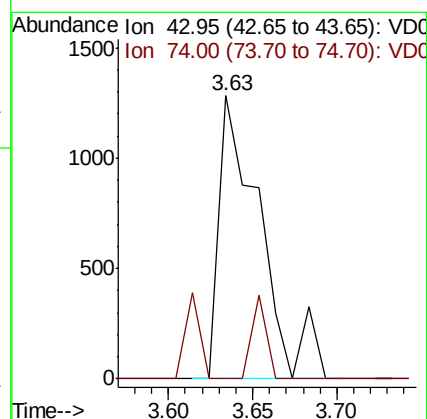
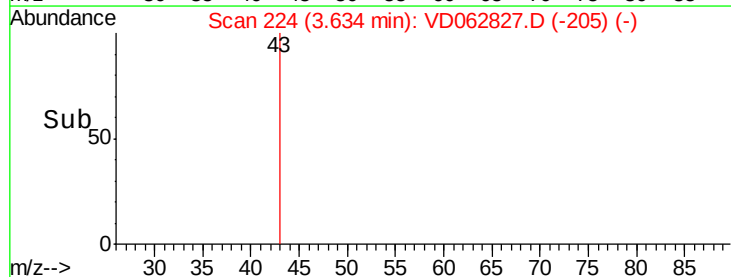
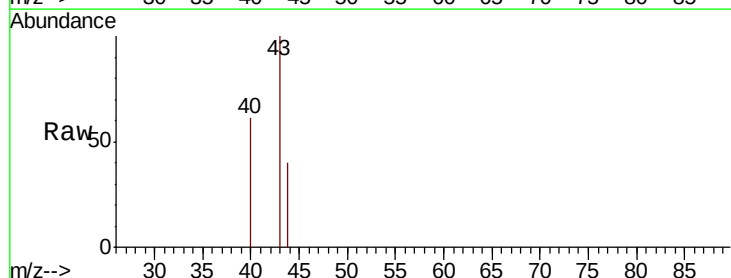
Acq: 21 Jun 2019 20:10

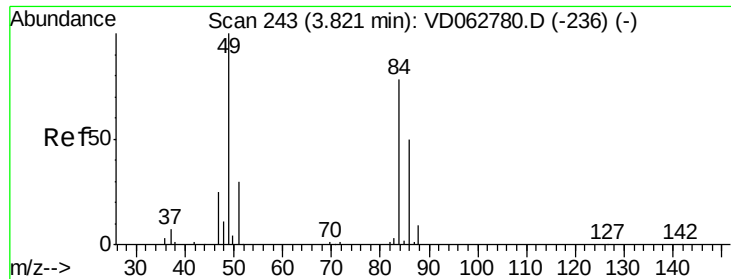
Tgt Ion: 43 Resp: 2156

Ion Ratio Lower Upper

43 100

74 0.0 15.2 22.8#

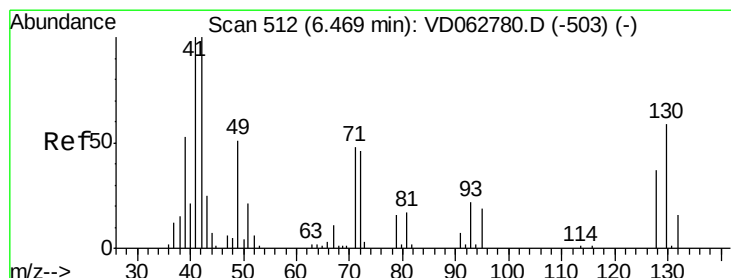
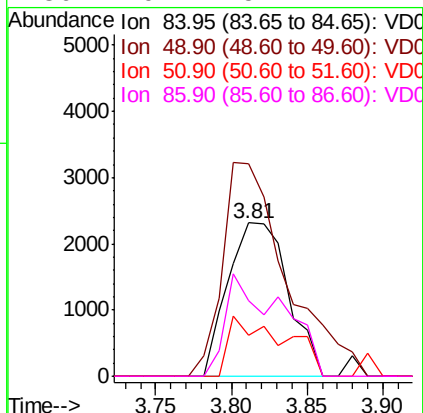
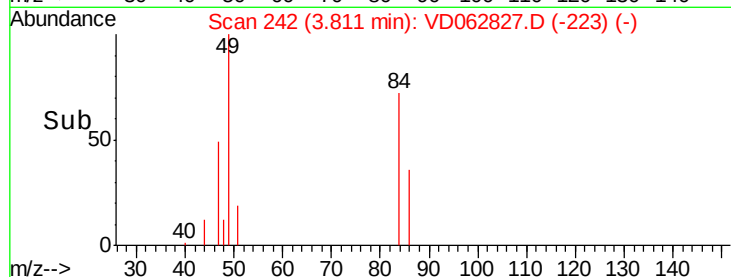
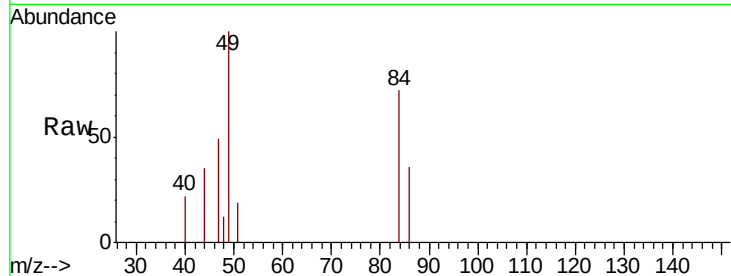




#20
Methylene Chloride
Concen: 2.802 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.01 min
Lab File: VD062827.D
Acq: 21 Jun 2019 20:10

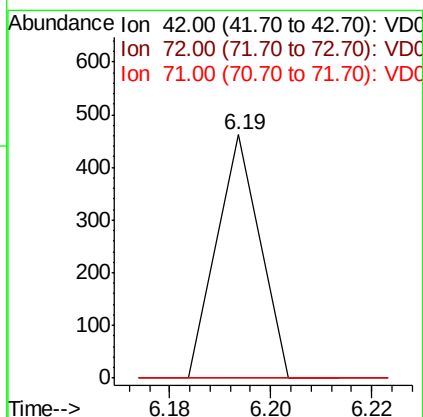
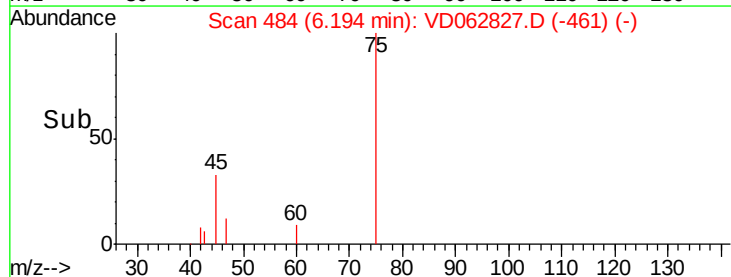
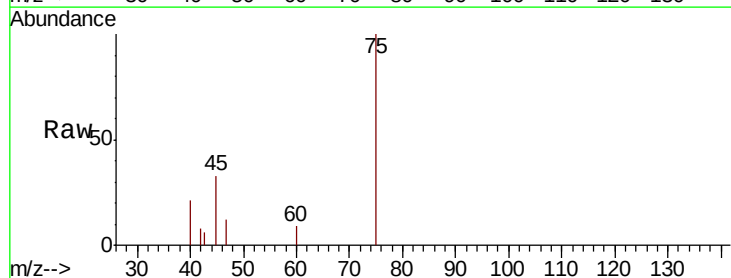
Instrument :
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FK-PS-01-048

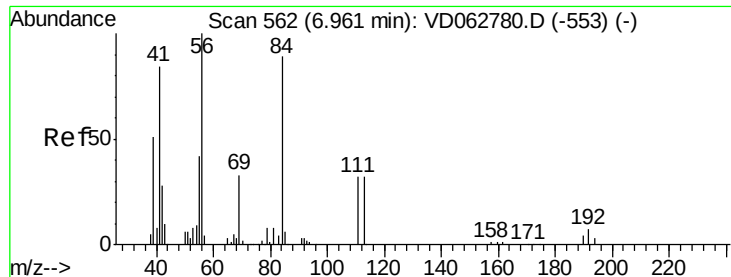
Tot Ion: 84 Resp: 6415
Ion Ratio Lower Upper
84 100
49 138.1 102.9 154.3
51 26.5 31.2 46.8#
86 49.4 51.4 77.2#



#29
Tetrahydrofuran
Concen: 1.028 ug/l
RT: 6.19 min Scan# 484
Delta R.T. -0.28 min
Lab File: VD062827.D
Acq: 21 Jun 2019 20:10

Tgt Ion: 42 Resp: 273
Ion Ratio Lower Upper
42 100
72 0.0 35.0 52.6#
71 0.0 33.3 49.9#

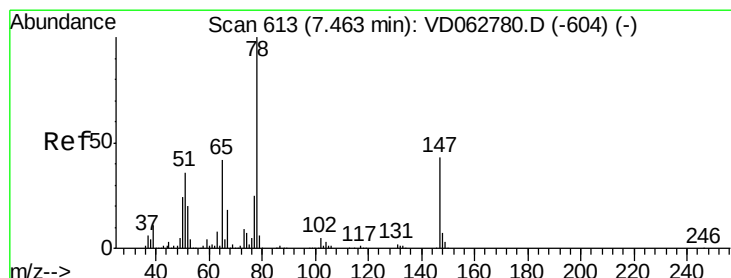
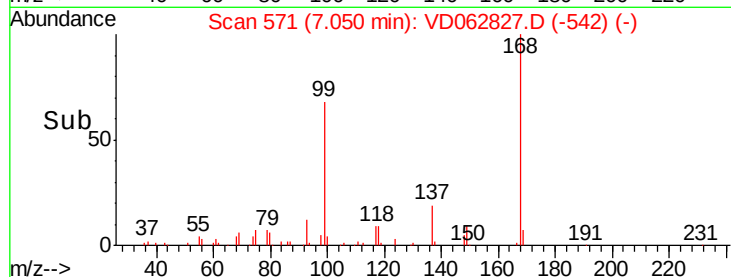
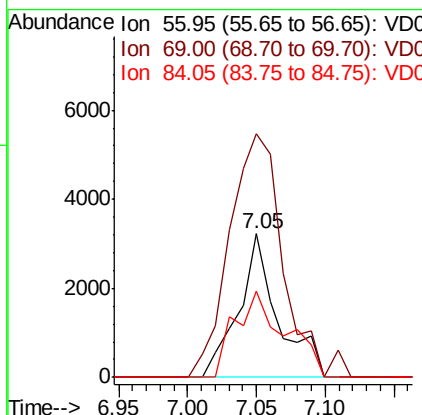
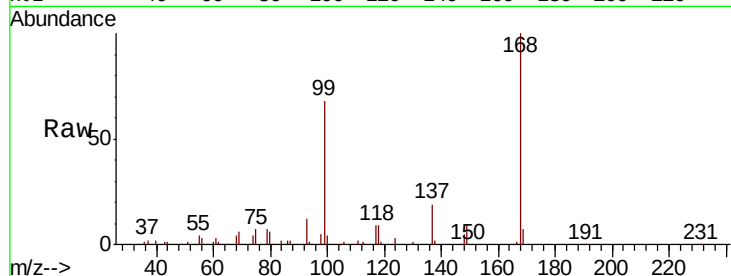




#31
Cyclohexane
Concen: 2.264 ug/l
RT: 7.05 min Scan# 571
Delta R.T. 0.09 min
Lab File: VD062827.D
Acq: 21 Jun 2019 20:10

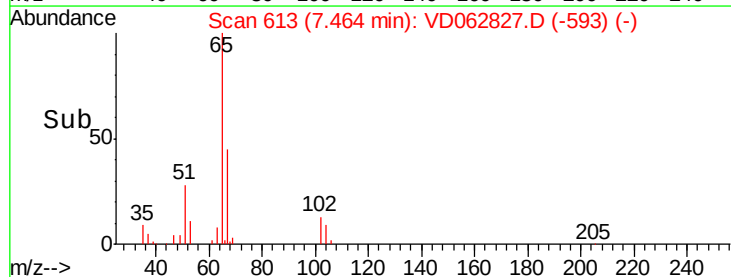
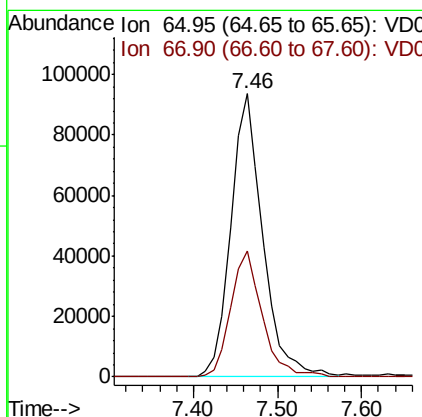
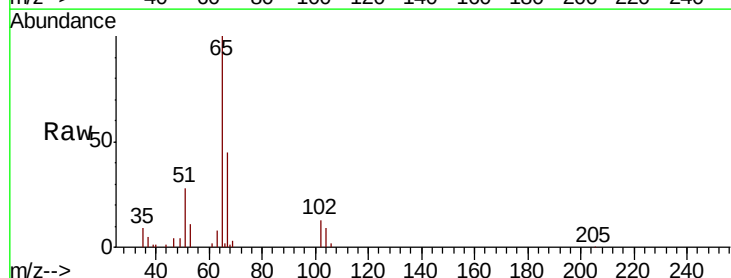
Instrument :
MSVOA_D
ClientSampleId :
FK-PS-01-048

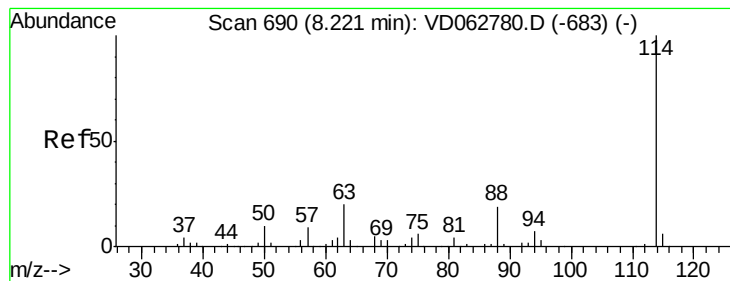
Tot Ion: 56 Resp: 6383
Ion Ratio Lower Upper
56 100
69 169.8 26.6 39.8#
84 59.9 75.5 113.3#



#33
1,2-Dichloroethane-d4
Concen: 82.149 ug/l
RT: 7.46 min Scan# 613
Delta R.T. 0.00 min
Lab File: VD062827.D
Acq: 21 Jun 2019 20:10

Tgt Ion: 65 Resp: 246598
Ion Ratio Lower Upper
65 100
67 44.5 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: VD062827.D

Acq: 21 Jun 2019 20:10

Instrument :

MSVOA_D

ClientSampleId :

FK-PS-01-048

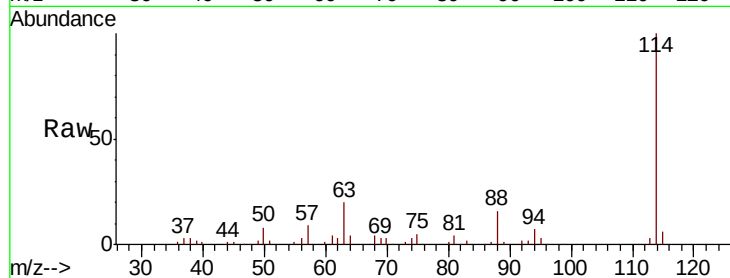
Tot Ion:114 Resp: 403217

Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.0

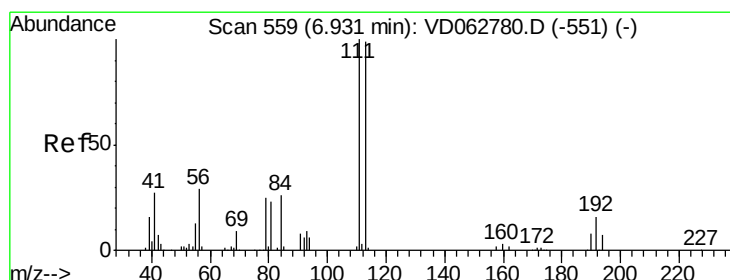
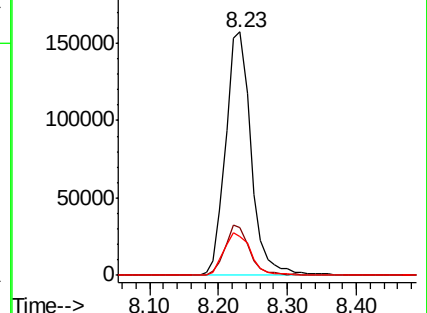
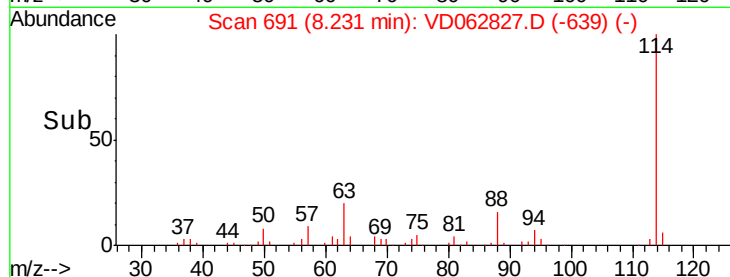
88 15.9 0.0 38.8



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: 70.103 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.00 min

Lab File: VD062827.D

Acq: 21 Jun 2019 20:10

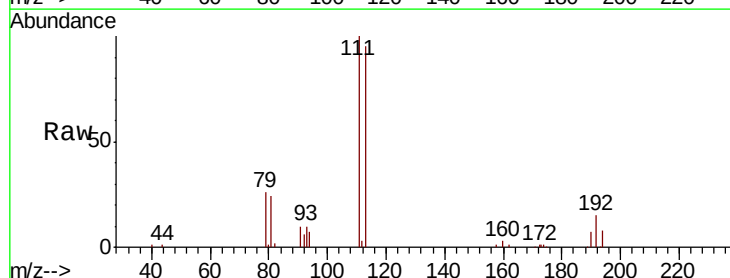
Tgt Ion:113 Resp: 238345

Ion Ratio Lower Upper

113 100

111 104.8 81.2 121.8

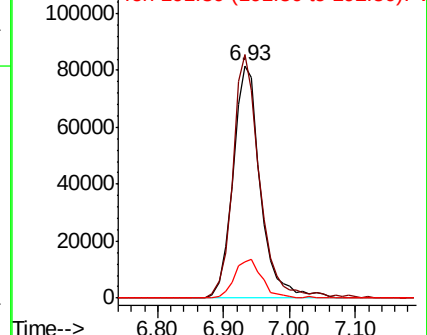
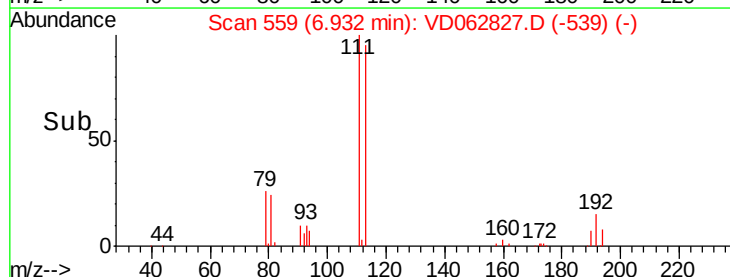
192 15.9 12.9 19.3

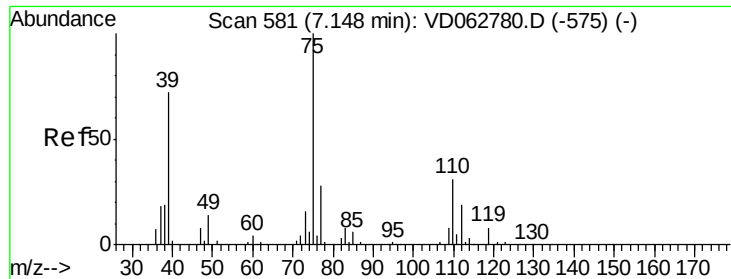


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

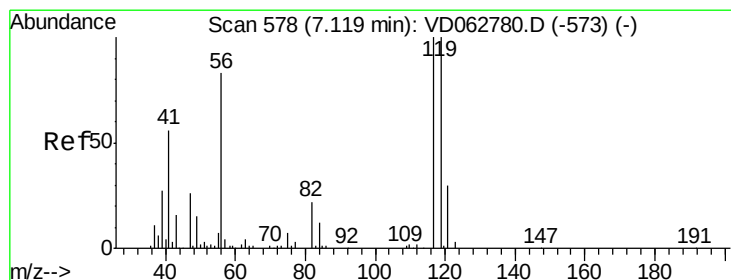
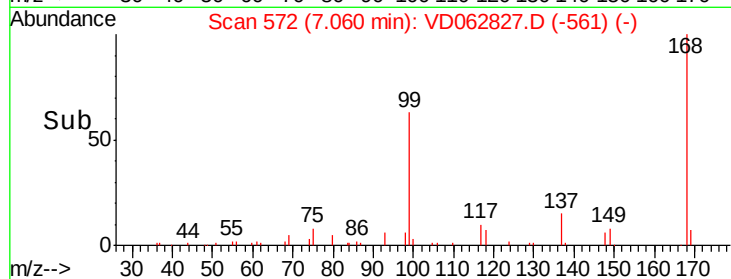
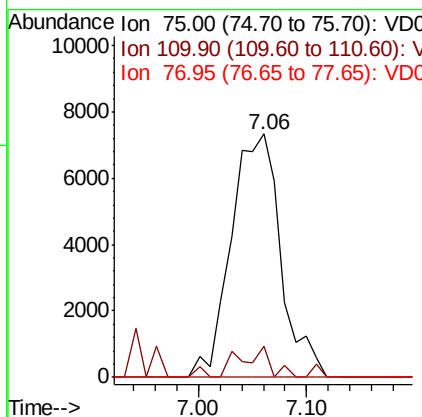
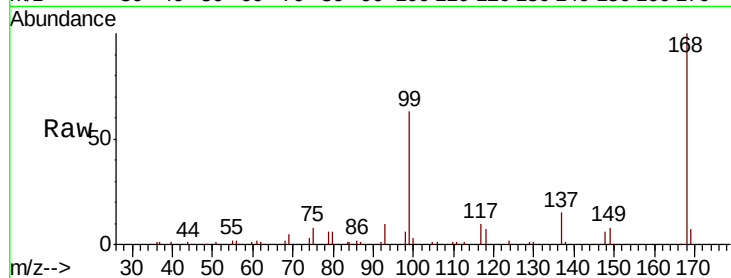




#36
 1,1-Dichloropropene
 Concen: 6.125 ug/l
 RT: 7.06 min Scan# 572
 Delta R.T. -0.09 min
 Lab File: VD062827.D
 Acq: 21 Jun 2019 20:10

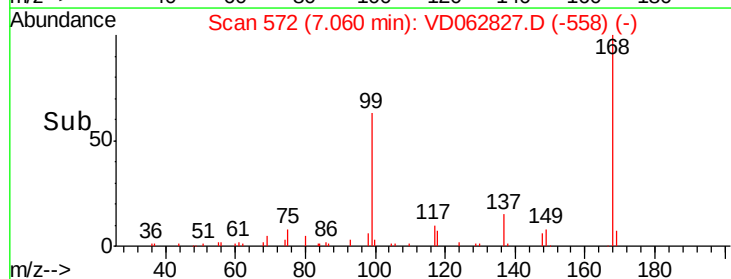
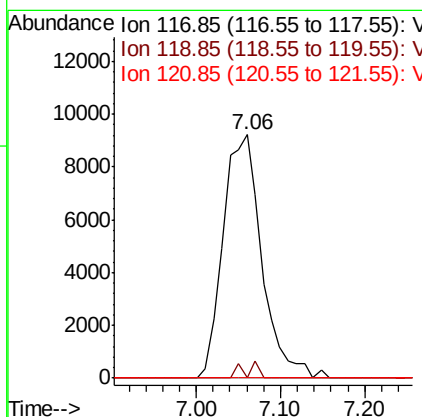
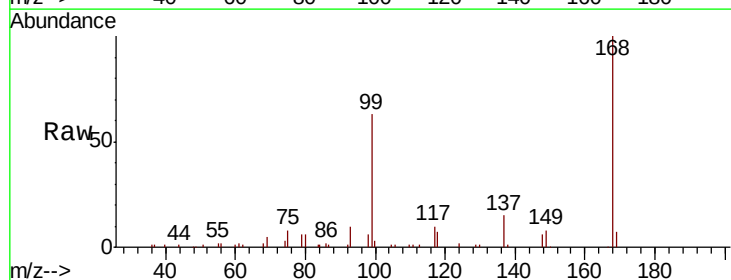
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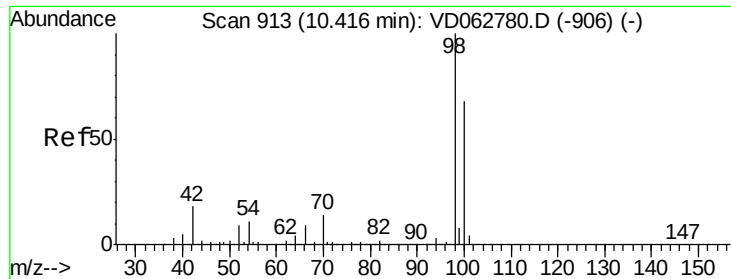
Tot Ion: 75 Resp: 23379
 Ion Ratio Lower Upper
 75 100
 110 13.0 15.0 45.1#
 77 0.0 22.2 33.2#



#38
 Carbon Tetrachloride
 Concen: 5.122 ug/l
 RT: 7.06 min Scan# 572
 Delta R.T. -0.06 min
 Lab File: VD062827.D
 Acq: 21 Jun 2019 20:10

Tgt Ion: 117 Resp: 29406
 Ion Ratio Lower Upper
 117 100
 119 0.0 75.4 113.2#
 121 0.0 22.3 33.5#

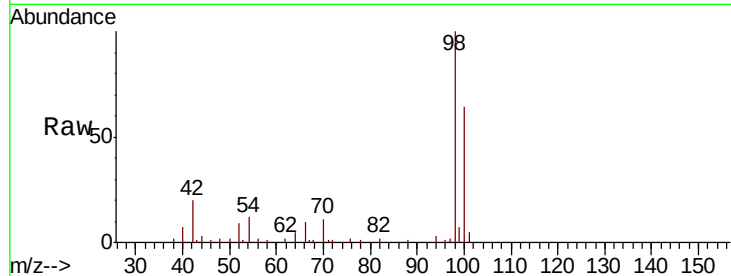




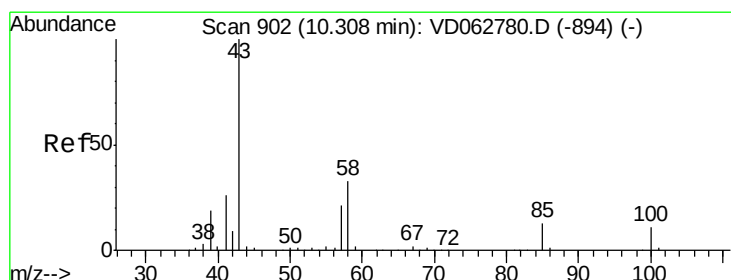
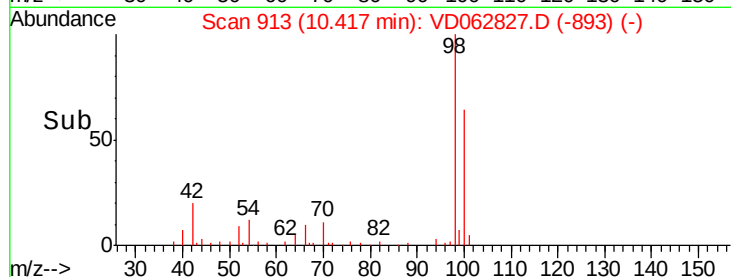
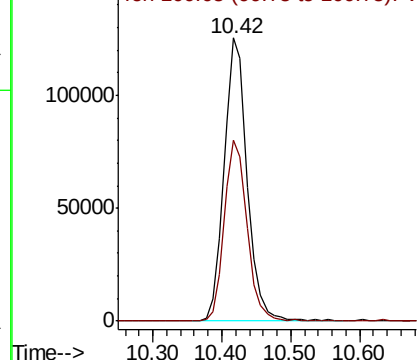
#50
Toluene-d8
Concen: 38.992 ug/l
RT: 10.42 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD062827.D
Acq: 21 Jun 2019 20:10

Instrument :
MSVOA_D
ClientSampleId :
FK-PS-01-048

Tot Ion: 98 Resp: 288534
Ion Ratio Lower Upper
98 100
100 63.8 54.7 82.1

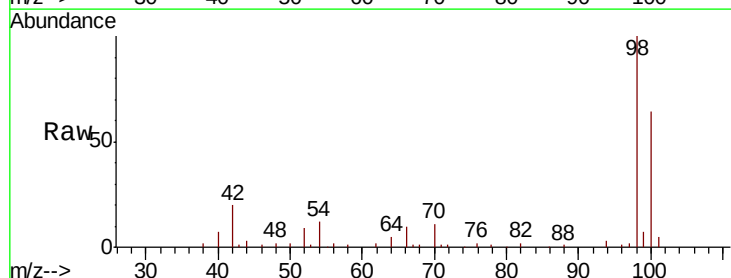


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

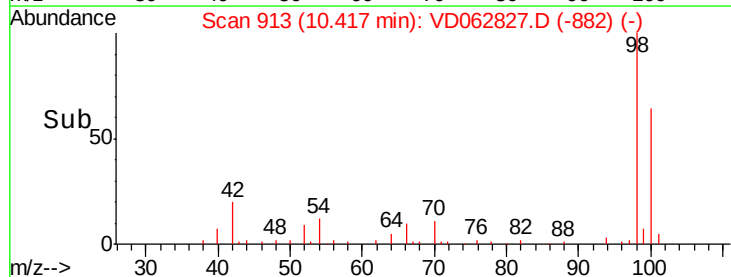
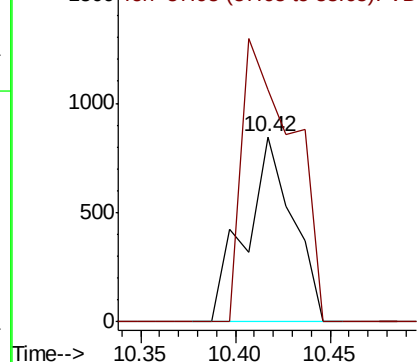


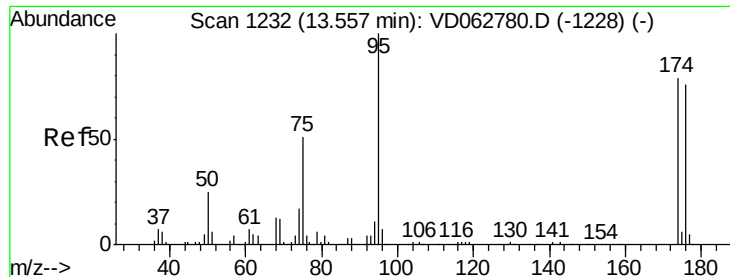
#51
4-Methyl-2-Pentanone
Concen: 1.035 ug/l
RT: 10.42 min Scan# 913
Delta R.T. 0.11 min
Lab File: VD062827.D
Acq: 21 Jun 2019 20:10

Tgt Ion: 43 Resp: 1469
Ion Ratio Lower Upper
43 100
58 125.5 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: 15.360 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD062827.D

Acq: 21 Jun 2019 20:10

Instrument :

MSVOA_D

ClientSampleId :

FK-PS-01-048

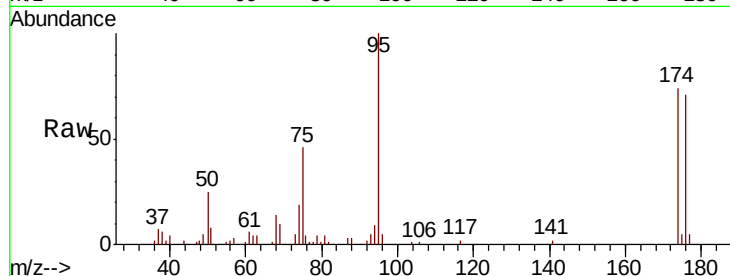
Tot Ion: 95 Resp: 51683

Ion Ratio Lower Upper

95 100

174 74.1 0.0 158.0

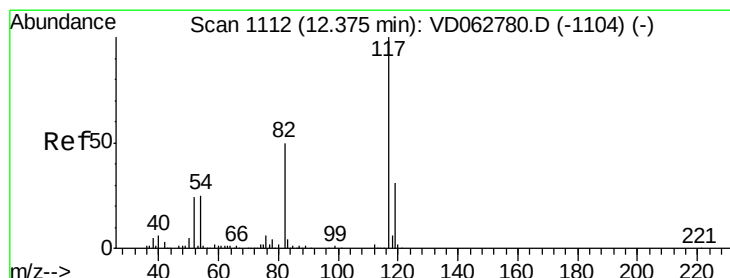
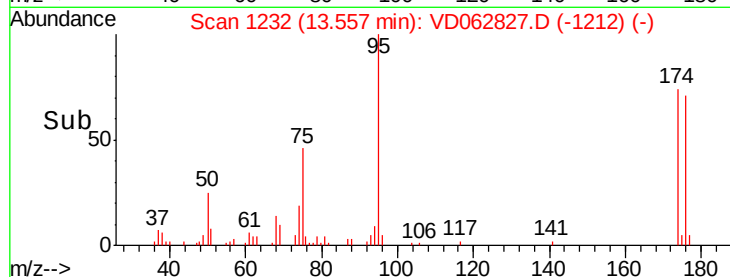
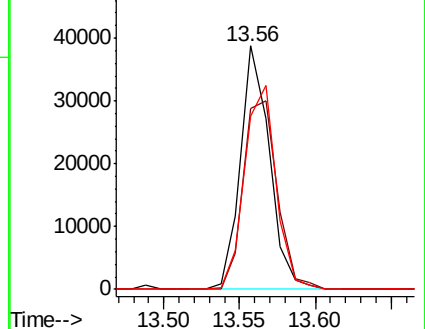
176 71.2 0.0 151.6



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# 1112

Delta R.T. 0.00 min

Lab File: VD062827.D

Acq: 21 Jun 2019 20:10

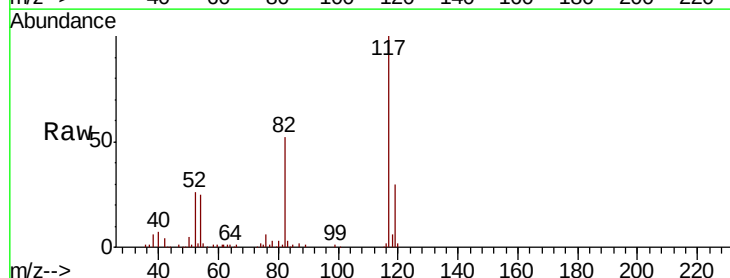
Tgt Ion: 117 Resp: 187177

Ion Ratio Lower Upper

117 100

82 51.7 40.4 60.6

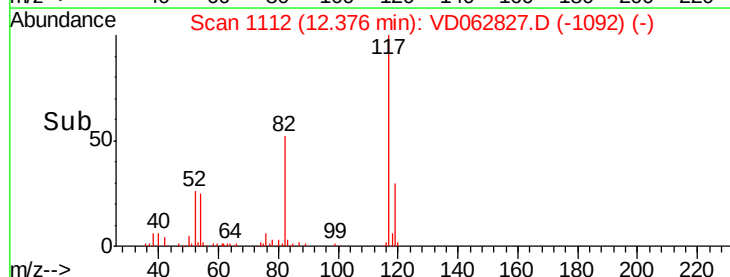
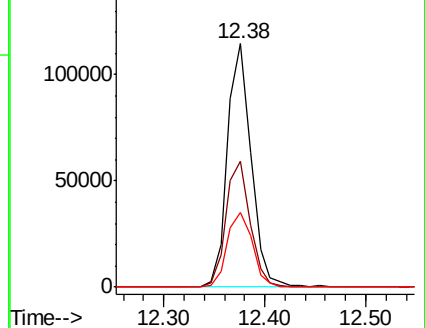
119 30.5 25.2 37.8

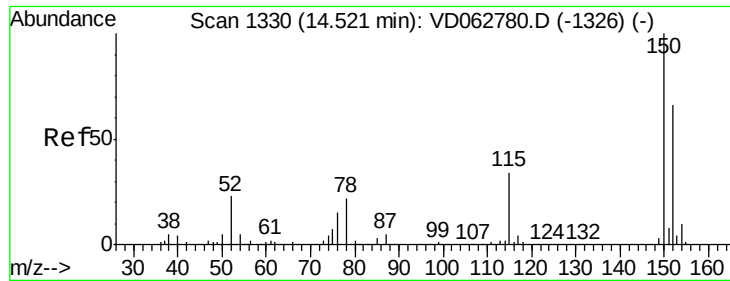


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

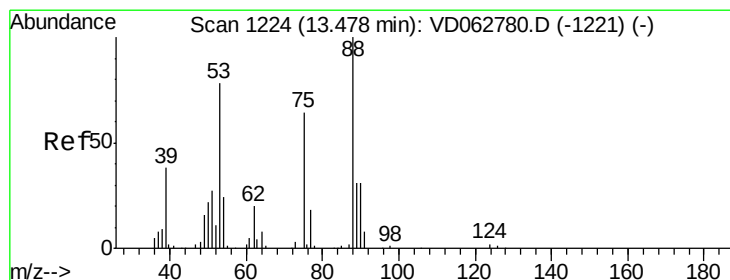
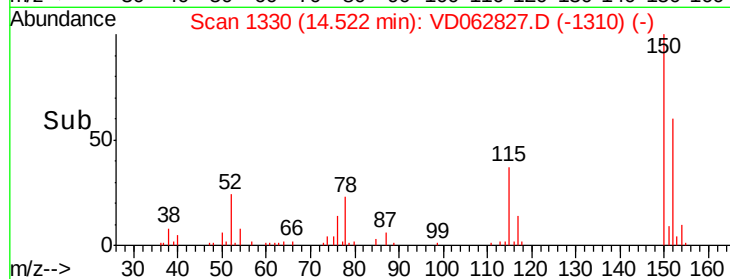
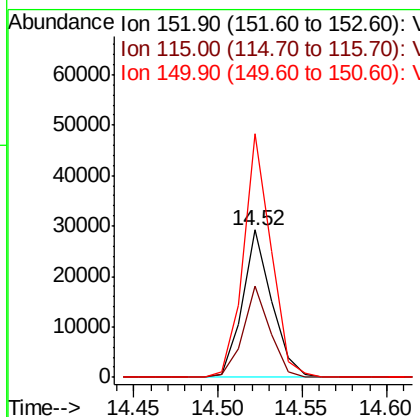
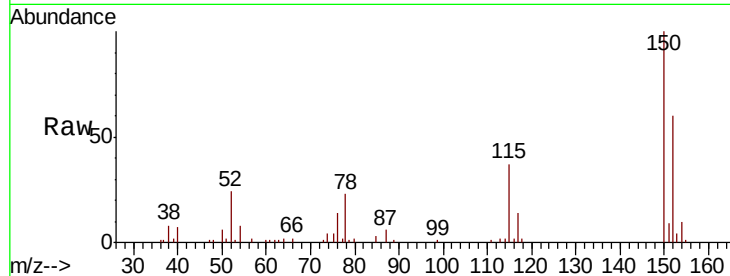




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.52 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VD062827.D
 Acq: 21 Jun 2019 20:10

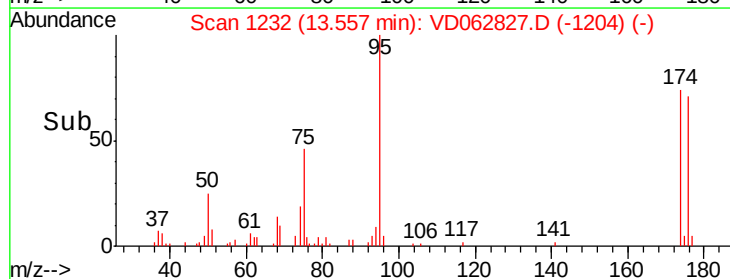
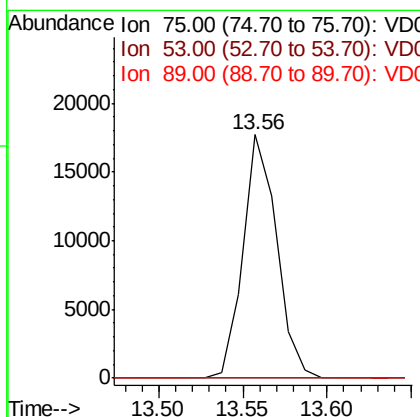
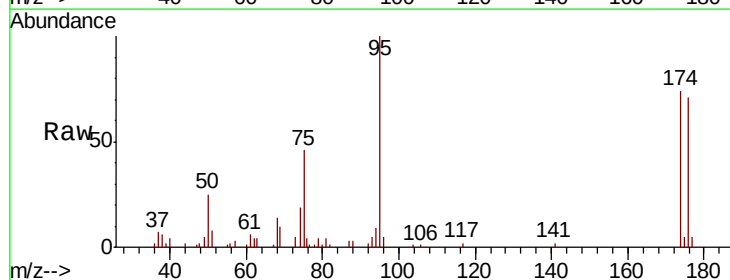
Instrument :
 MSVOA_D
 ClientSampleId :
 FK-PS-01-048

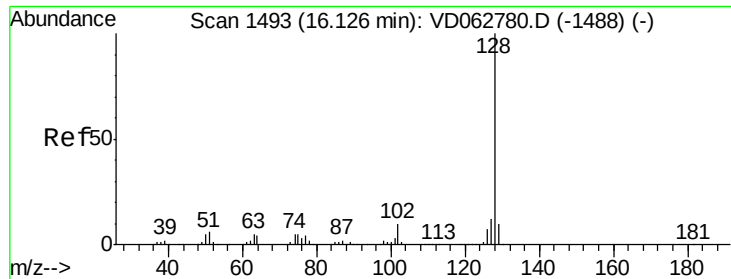
Tot Ion:152 Resp: 35179
 Ion Ratio Lower Upper
 152 100
 115 62.0 29.2 87.6
 150 165.5 0.0 305.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 230.042 ug/l
 RT: 13.56 min Scan# 1232
 Delta R.T. 0.08 min
 Lab File: VD062827.D
 Acq: 21 Jun 2019 20:10

Tgt Ion: 75 Resp: 24485
 Ion Ratio Lower Upper
 75 100
 53 0.0 97.8 146.8#
 89 0.0 39.4 59.2#





#95

Naphthalene

Concen: 1.252 ug/l

RT: 16.13 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VD062827.D

Acq: 21 Jun 2019 20:10

Instrument :

MSVOA_D

ClientSampleId :

FK-PS-01-048

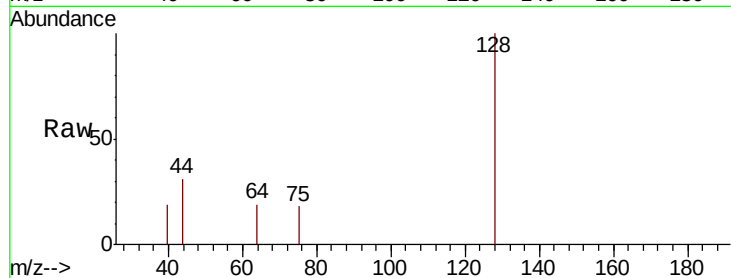
Tot Ion:128 Resp: 1275

Ion Ratio Lower Upper

128 100

127 0.0 9.7 14.5#

129 0.0 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

