

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071619\
 Data File : VD063118.D
 Acq On : 16 Jul 2019 20:36
 Operator : VA/AP
 Sample : K3776-02RE
 Misc : 4.81g/5ml/MSVOA D/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-SF-01-006-ARE

Quant Time: Jul 17 07:38:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 08:11:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	469204	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	724416	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	432828	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	124295	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	308726	52.82	ug/l	0.00
Spiked Amount			Recovery	=	105.64%	
35) Dibromofluoromethane	6.91	113	60911	8.44	ug/l	0.00
Spiked Amount			Recovery	=	16.88%	
50) Toluene-d8	10.39	98	582941	37.61	ug/l	0.00
Spiked Amount			Recovery	=	75.22%	
62) 4-Bromofluorobenzene	13.54	95	187617	26.17	ug/l	0.00
Spiked Amount			Recovery	=	52.34%	

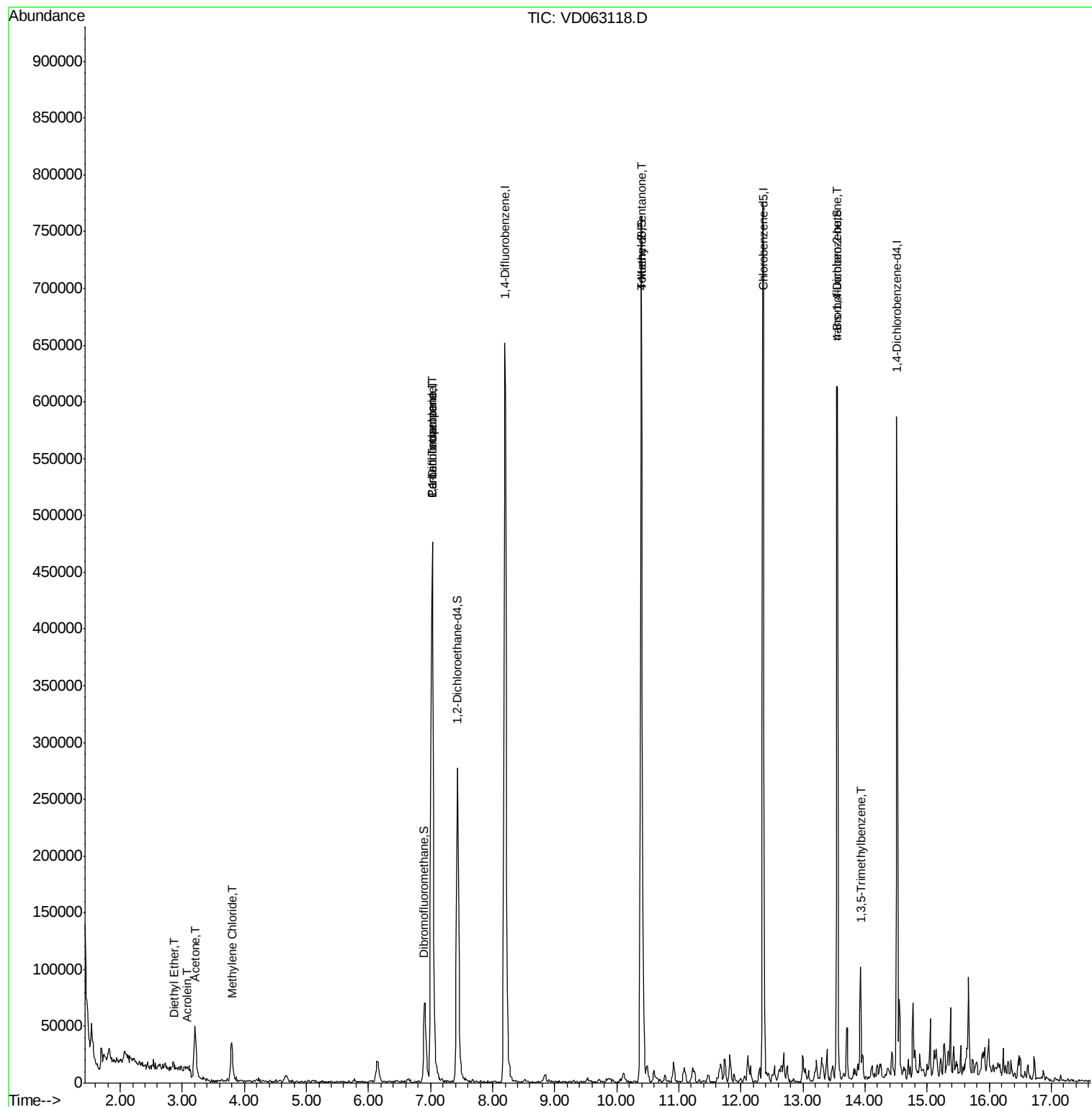
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	1673	Below Cal	#	43
3) Chloromethane	1.73	50	2087	Below Cal	#	48
5) Bromomethane	2.13	94	4817	Below Cal	#	13
8) Diethyl Ether	2.85	74	1640	1.150	ug/l	84
13) Acrolein	3.07	56	306	3.006	ug/l	87
16) Acetone	3.21	43	94448	66.904	ug/l #	88
18) Methyl Acetate	3.61	43	410	Below Cal	#	63
20) Methylene Chloride	3.80	84	19444	3.646	ug/l #	75
36) 1,1-Dichloropropene	7.03	75	35317	4.335	ug/l #	47
38) Carbon Tetrachloride	7.03	117	46959	3.793	ug/l #	14
51) 4-Methyl-2-Pentanone	10.38	43	5783	1.745	ug/l	93
80) 1,3,5-Trimethylbenzene	13.93	105	35311	4.221	ug/l	83
81) trans-1,4-Dichloro-2-buten	13.54	75	85828	170.461	ug/l #	1

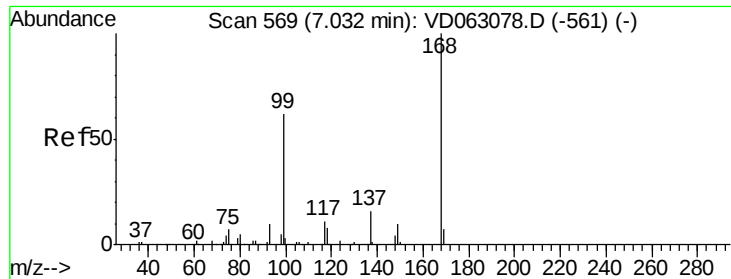
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.01 min

Lab File: VD063118.D

Acq: 16 Jul 2019 20:36

Instrument :

MSVOA_D

ClientSampleId :

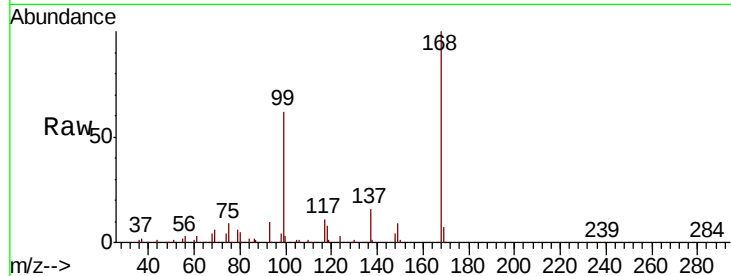
FK-SF-01-006-ARE

Tot Ion:168 Resp: 469204

Ion Ratio Lower Upper

168 100

99 61.9 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.03

150000

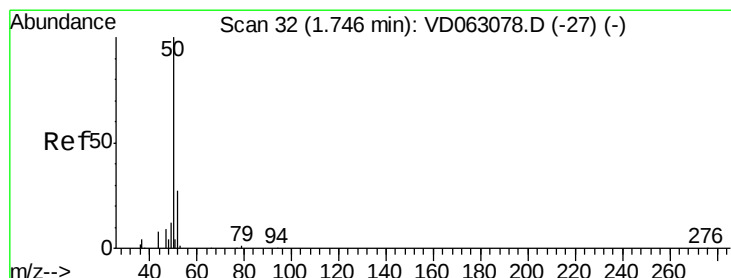
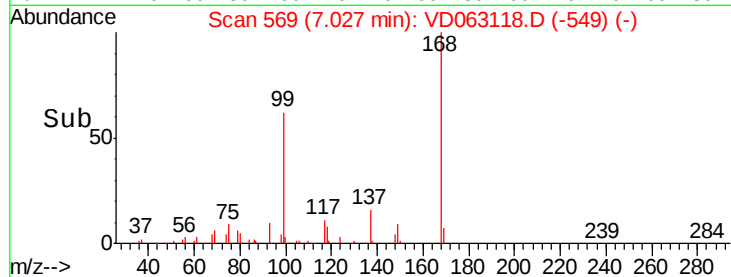
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 1.73 min Scan# 31

Delta R.T. -0.01 min

Lab File: VD063118.D

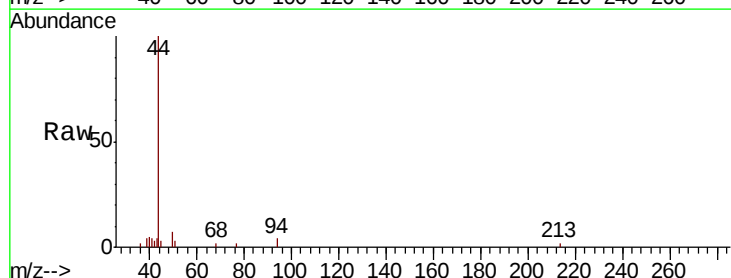
Acq: 16 Jul 2019 20:36

Tgt Ion: 50 Resp: 2087

Ion Ratio Lower Upper

50 100

52 0.0 21.4 32.2#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.73

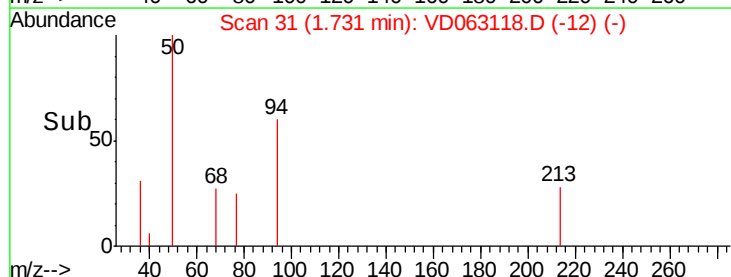
1000

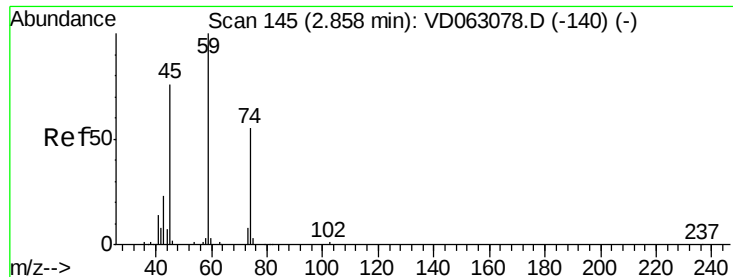
500

0

1.70 1.75 1.80

Time-->





#8

Diethyl Ether

Concen: 1.150 ug/l

RT: 2.85 min Scan# 145

Delta R.T. -0.01 min

Lab File: VD063118.D

Acq: 16 Jul 2019 20:36

Instrument :

MSVOA_D

ClientSampleId :

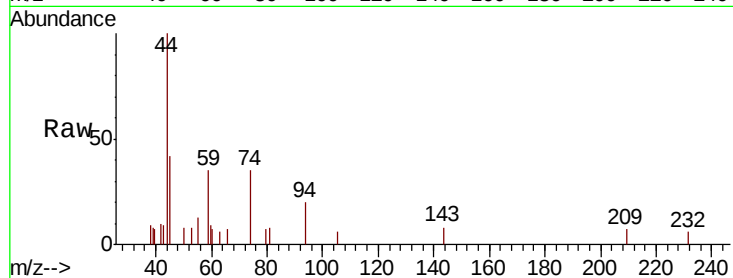
FK-SF-01-006-ARE

Tot Ion: 74 Resp: 1640

Ion Ratio Lower Upper

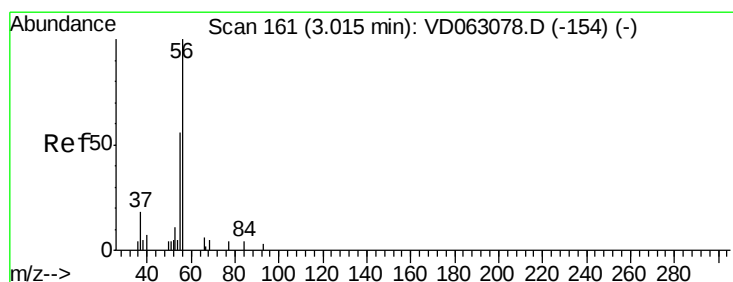
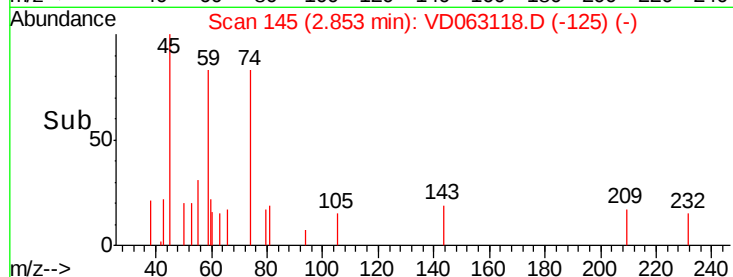
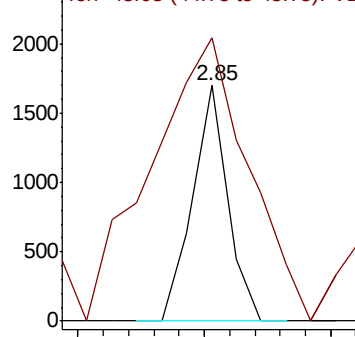
74 100

45 120.3 69.5 208.7



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



#13

Acrolein

Concen: 3.006 ug/l

RT: 3.07 min Scan# 167

Delta R.T. 0.05 min

Lab File: VD063118.D

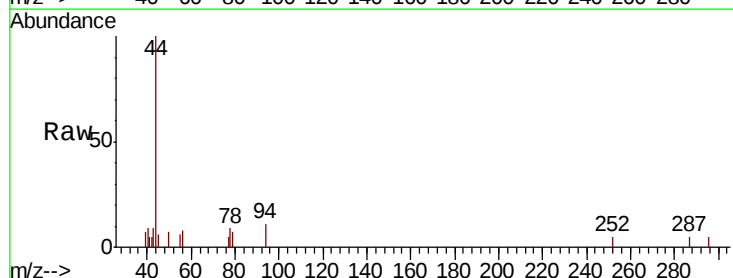
Acq: 16 Jul 2019 20:36

Tgt Ion: 56 Resp: 306

Ion Ratio Lower Upper

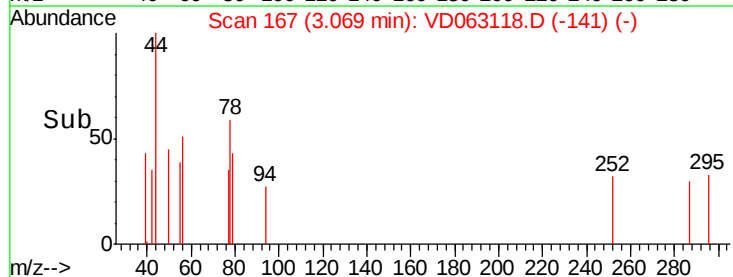
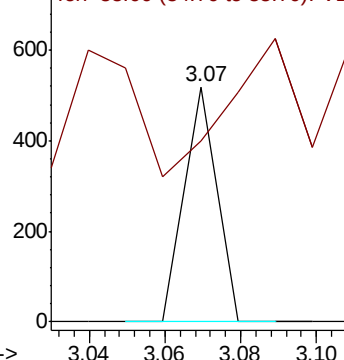
56 100

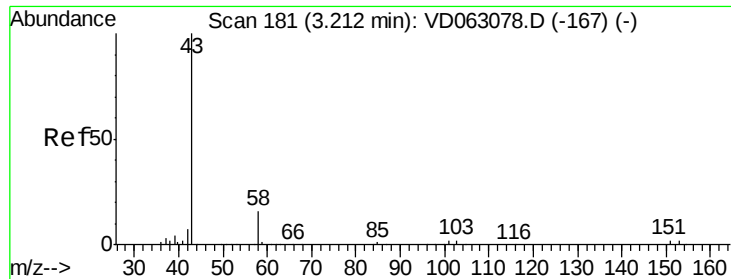
55 76.9 53.0 79.4



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC





#16

Acetone

Concen: 66.904 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.01 min

Lab File: VD063118.D

Acq: 16 Jul 2019 20:36

Instrument :

MSVOA_D

ClientSampleId :

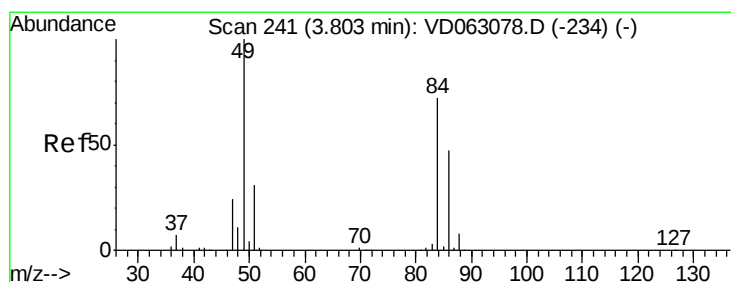
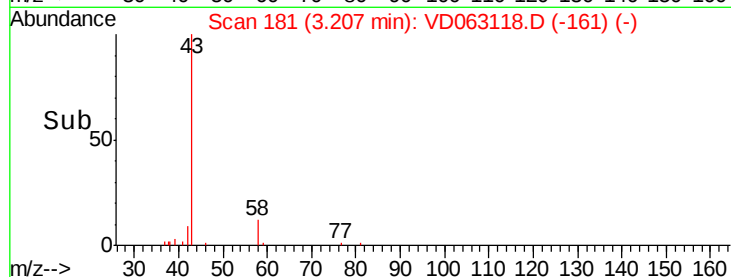
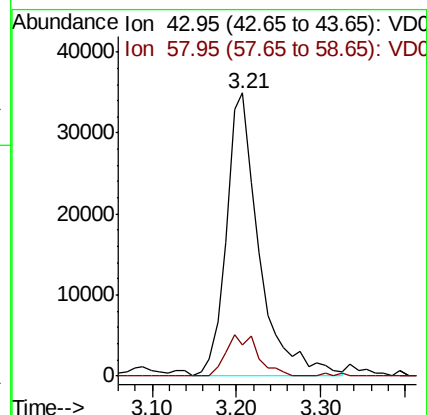
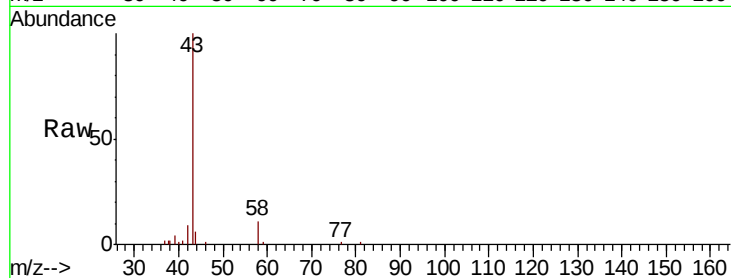
FK-SF-01-006-ARE

Tot Ion: 43 Resp: 94448

Ion Ratio Lower Upper

43 100

58 11.2 13.0 19.4#



#20

Methylene Chloride

Concen: 3.646 ug/l

RT: 3.80 min Scan# 241

Delta R.T. -0.01 min

Lab File: VD063118.D

Acq: 16 Jul 2019 20:36

Tgt Ion: 84 Resp: 19444

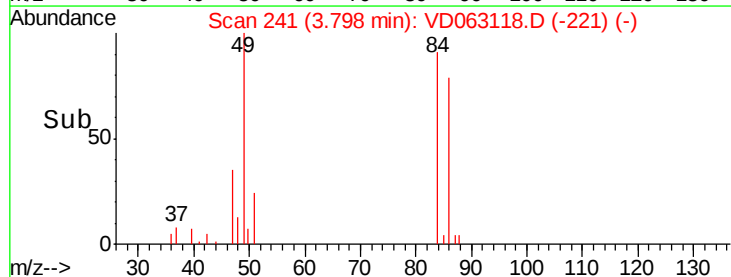
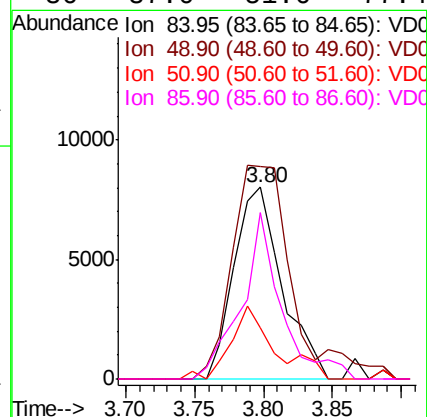
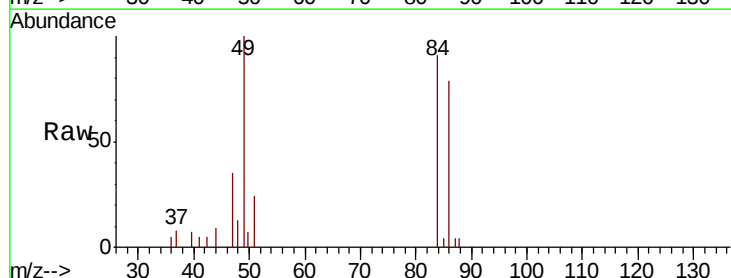
Ion Ratio Lower Upper

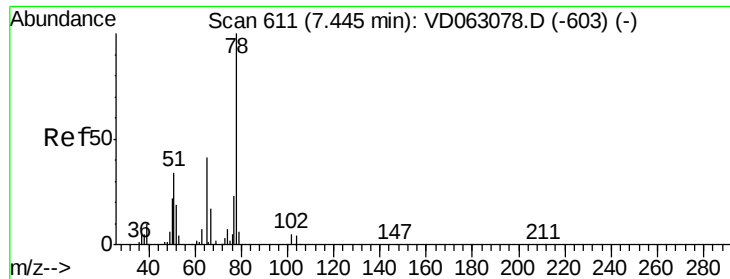
84 100

49 110.5 110.5 165.7

51 26.5 34.6 51.8#

86 87.0 51.6 77.4#

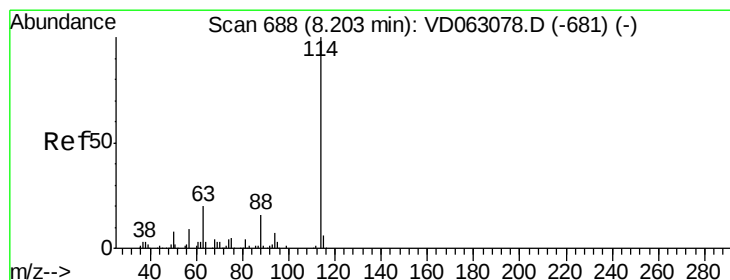
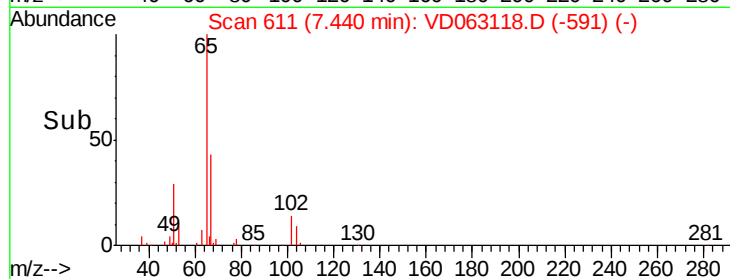
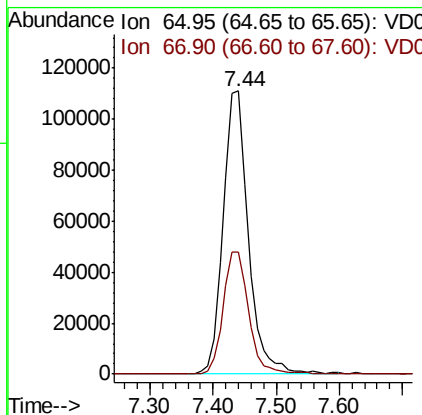
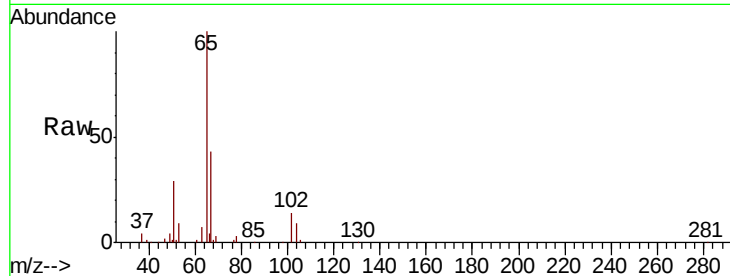




#33
 1,2-Dichloroethane-d4
 Concen: 52.820 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.01 min
 Lab File: VD063118.D
 Acq: 16 Jul 2019 20:36

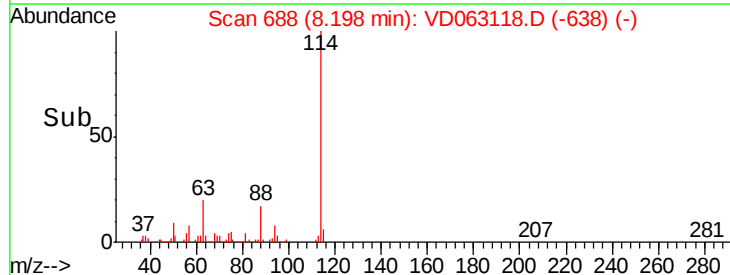
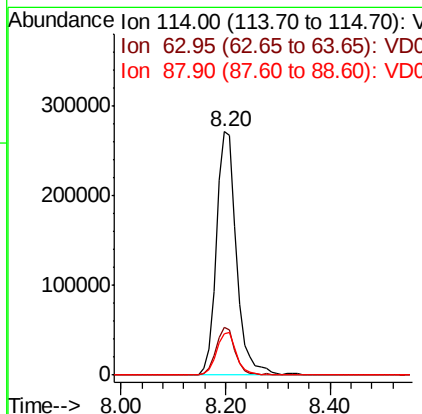
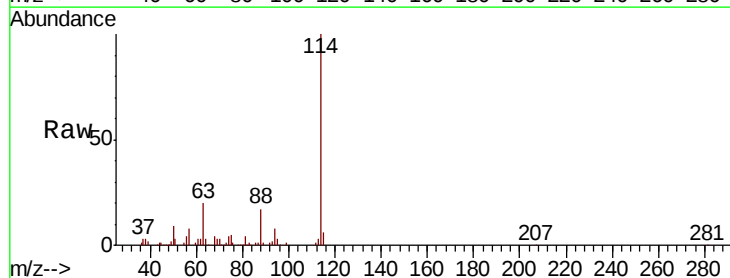
Instrument :
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 FK-SF-01-006-ARE

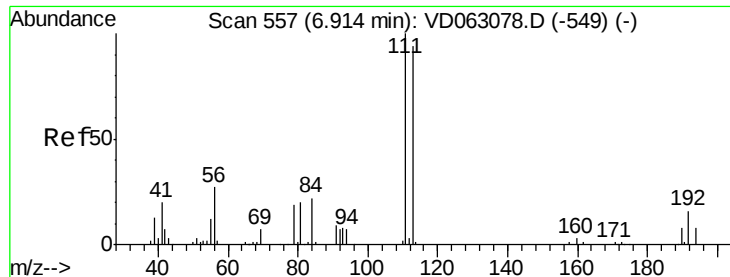
Tot Ion: 65 Resp: 308726
 Ion Ratio Lower Upper
 65 100
 67 43.0 0.0 86.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 688
 Delta R.T. -0.01 min
 Lab File: VD063118.D
 Acq: 16 Jul 2019 20:36

Tgt Ion: 114 Resp: 724416
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 40.6
 88 17.0 0.0 32.6

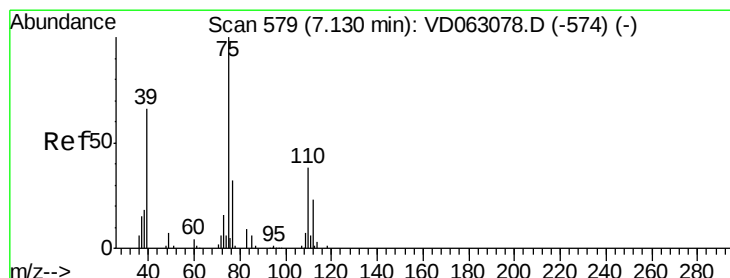
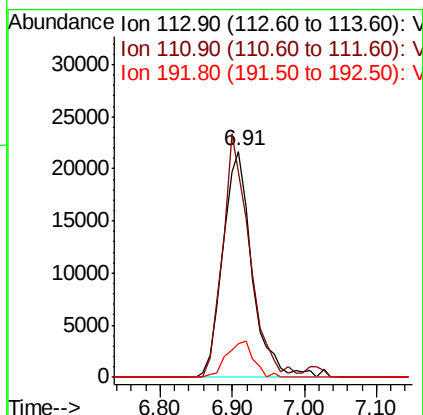
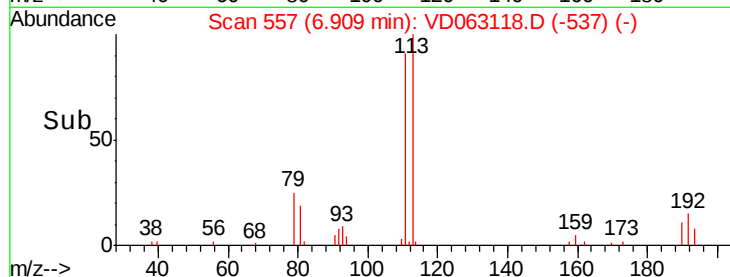
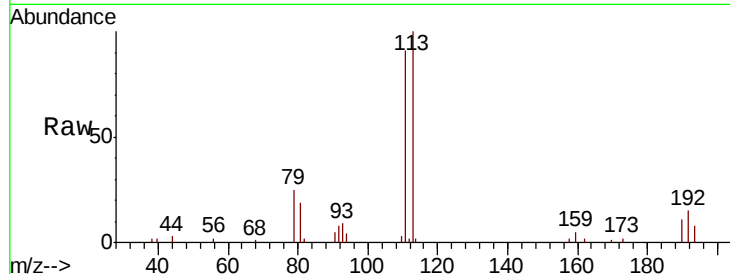




#35
 Dibromofluoromethane
 Concen: 8.442 ug/l
 RT: 6.91 min Scan# 557
 Delta R.T. -0.01 min
 Lab File: VD063118.D
 Acq: 16 Jul 2019 20:36

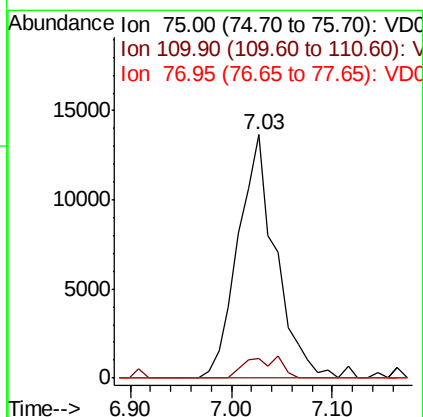
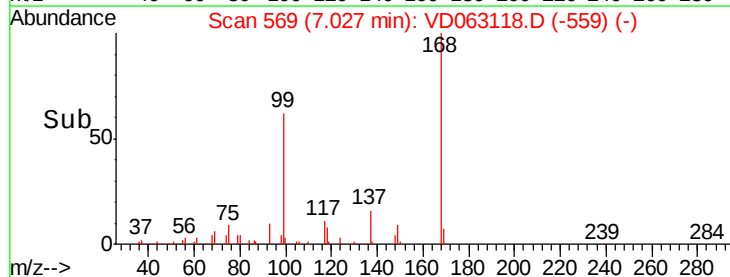
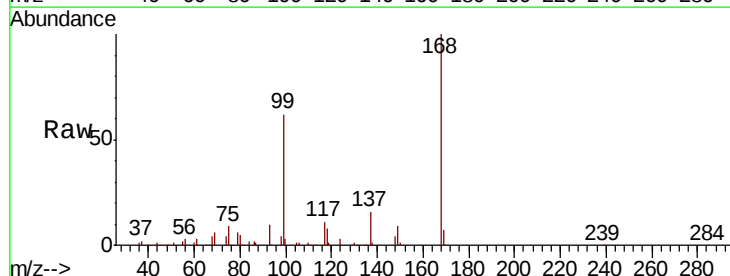
Instrument :
 MSVOA_D
 ClientSampleId :
 FK-SF-01-006-ARE

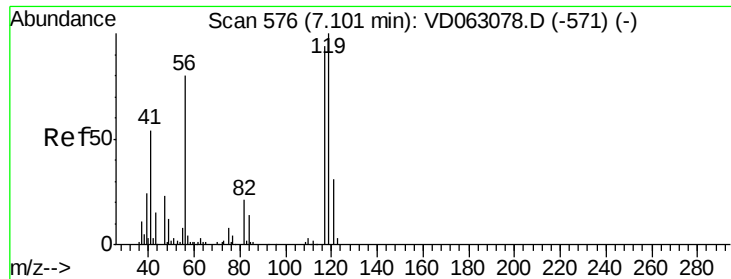
Tot Ion	Ratio	Lower	Upper
113	100		
111	90.7	84.8	127.2
192	15.2	13.4	20.0



#36
 1,1-Dichloropropene
 Concen: 4.335 ug/l
 RT: 7.03 min Scan# 569
 Delta R.T. -0.10 min
 Lab File: VD063118.D
 Acq: 16 Jul 2019 20:36

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.2	18.9	56.5#
77	0.0	25.2	37.8#

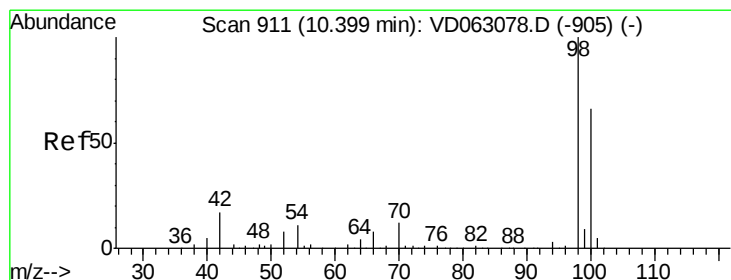
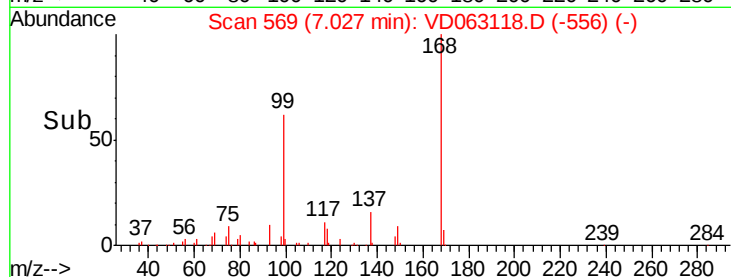
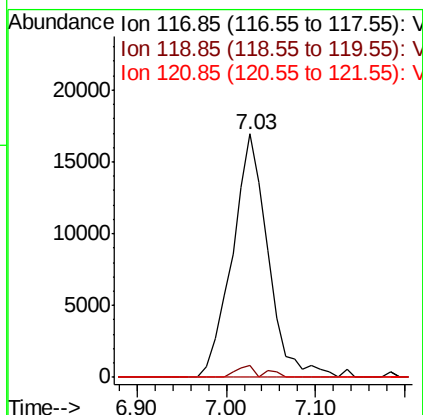
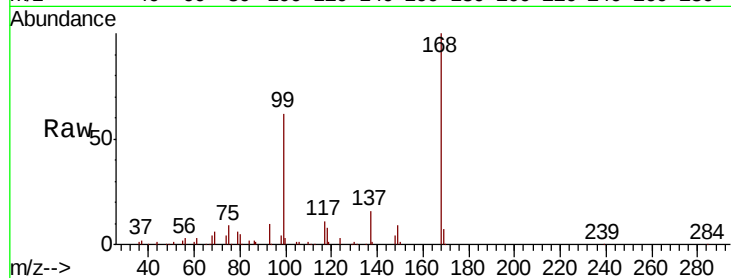




#38
Carbon Tetrachloride
Concen: 3.793 ug/l
RT: 7.03 min Scan# 569
Delta R.T. -0.07 min
Lab File: VD063118.D
Acq: 16 Jul 2019 20:36

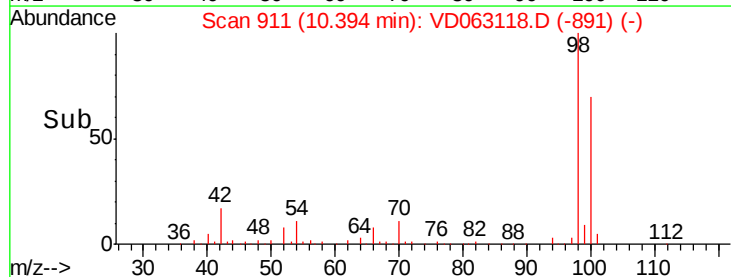
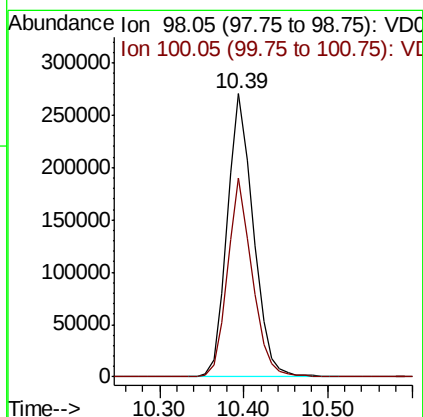
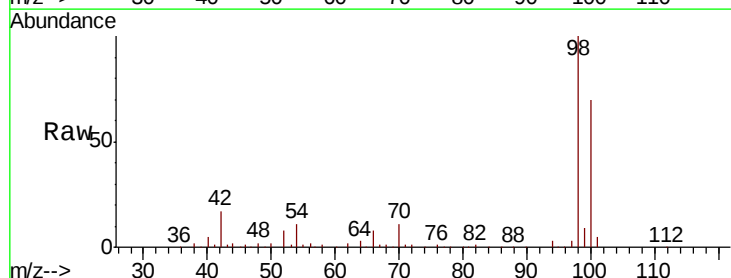
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FK-SF-01-006-ARE

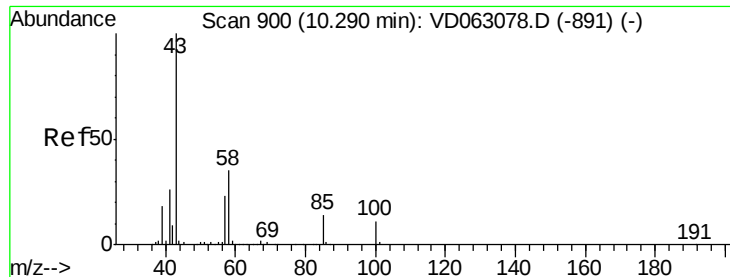
Tot Ion:117 Resp: 46959
Ion Ratio Lower Upper
117 100
119 5.0 80.0 120.0#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 37.612 ug/l
RT: 10.39 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD063118.D
Acq: 16 Jul 2019 20:36

Tgt Ion: 98 Resp: 582941
Ion Ratio Lower Upper
98 100
100 70.4 53.5 80.3

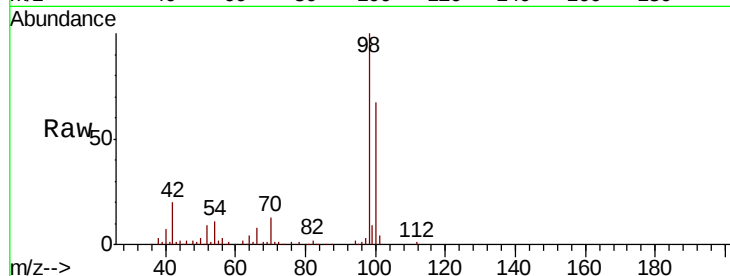




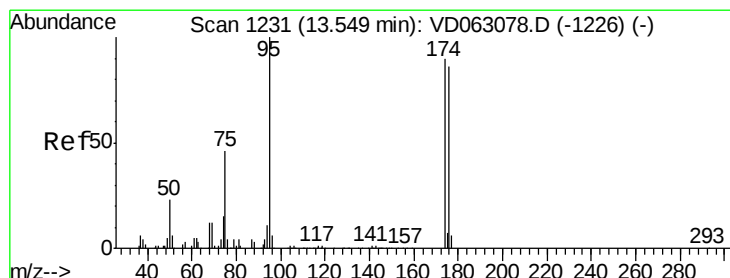
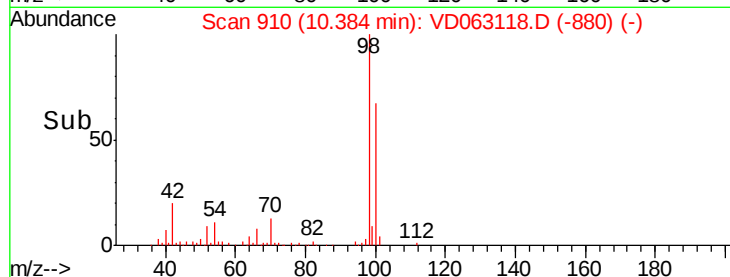
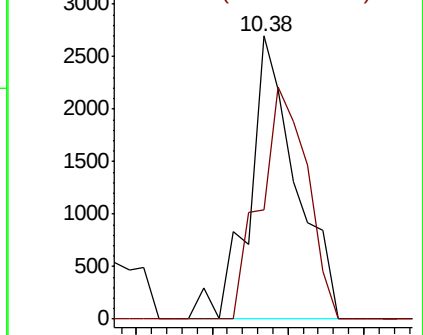
#51
4-Methyl-2-Pentanone
Concen: 1.745 ug/l
RT: 10.38 min Scan# 910
Delta R.T. 0.09 min
Lab File: VD063118.D
Acq: 16 Jul 2019 20:36

Instrument :
MSVOA_D
ClientSampleId :
FK-SF-01-006-ARE

Tot Ion: 43 Resp: 5783
Ion Ratio Lower Upper
43 100
58 38.7 27.8 41.6

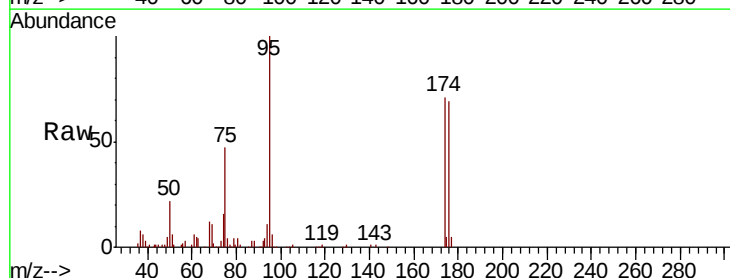


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

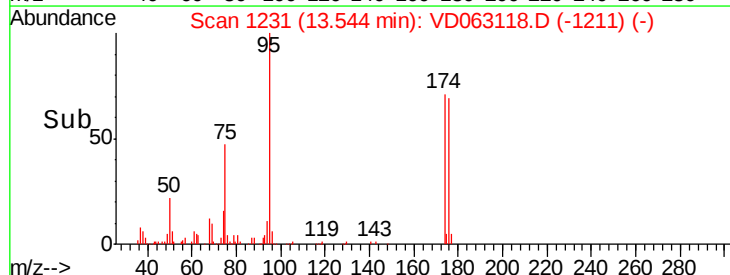
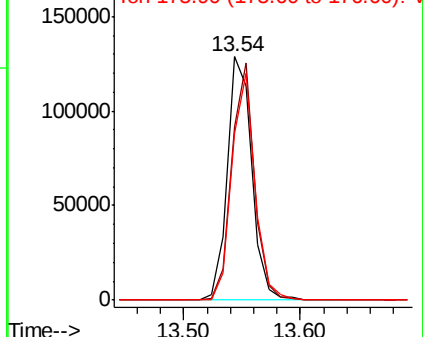


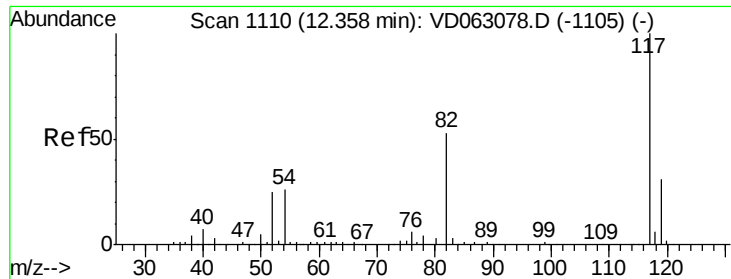
#62
4-Bromofluorobenzene
Concen: 26.166 ug/l
RT: 13.54 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VD063118.D
Acq: 16 Jul 2019 20:36

Tgt Ion: 95 Resp: 187617
Ion Ratio Lower Upper
95 100
174 71.0 0.0 180.6
176 68.6 0.0 172.2



Abundance Ion 95.00 (94.70 to 95.70): VDC
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: 12.36 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD063118.D

Acq: 16 Jul 2019 20:36

Instrument :

MSVOA_D

ClientSampleId :

FK-SF-01-006-ARE

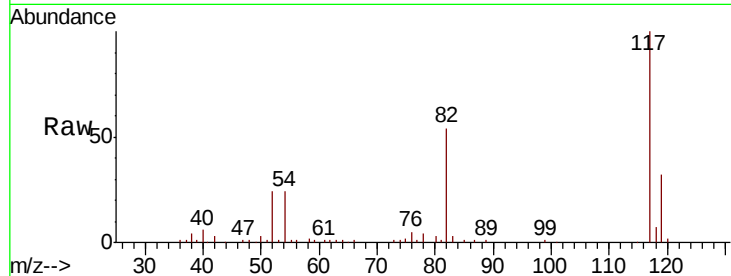
Tot Ion:117 Resp: 432828

Ion Ratio Lower Upper

117 100

82 53.7 42.3 63.5

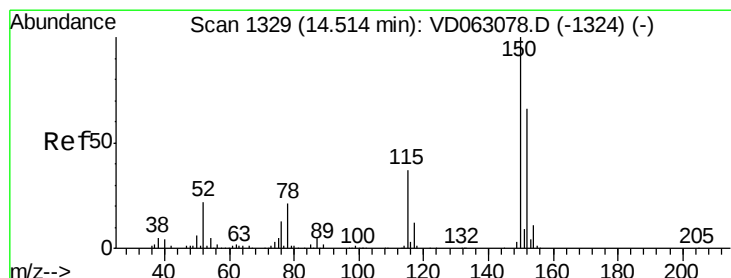
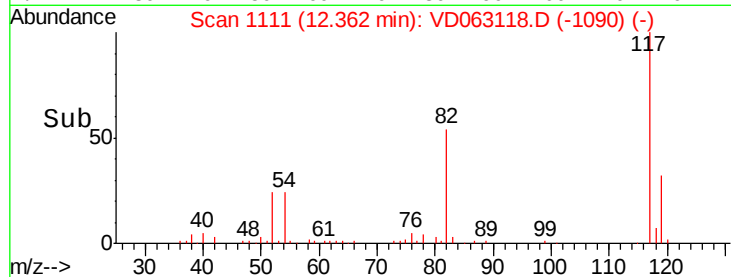
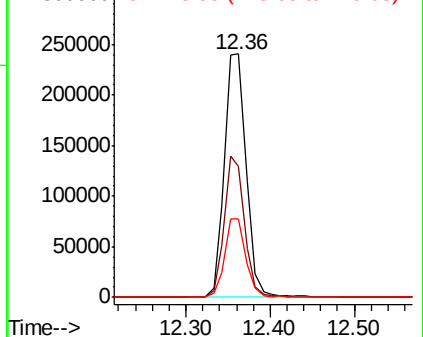
119 32.3 25.2 37.8



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: 14.51 min Scan# 1329

Delta R.T. -0.01 min

Lab File: VD063118.D

Acq: 16 Jul 2019 20:36

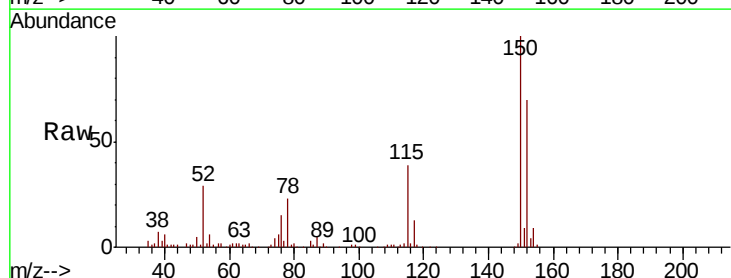
Tgt Ion:152 Resp: 124295

Ion Ratio Lower Upper

152 100

115 55.9 28.9 86.8

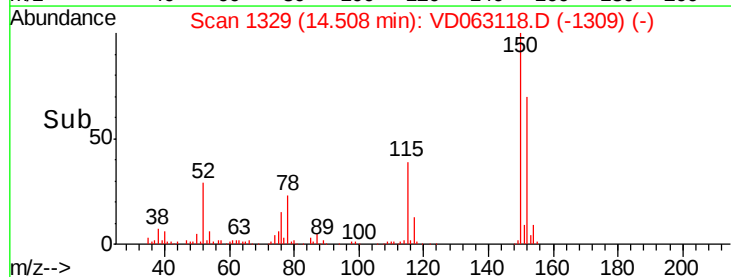
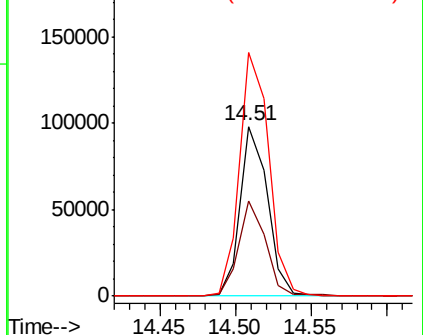
150 143.3 0.0 313.8

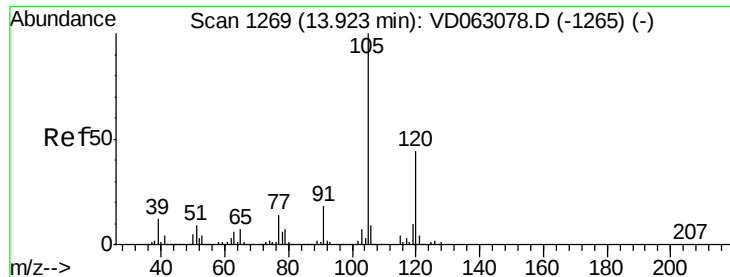


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V

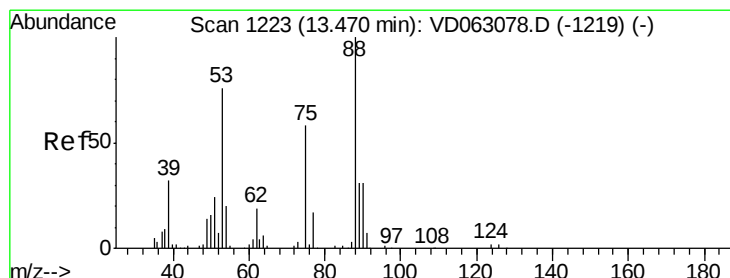
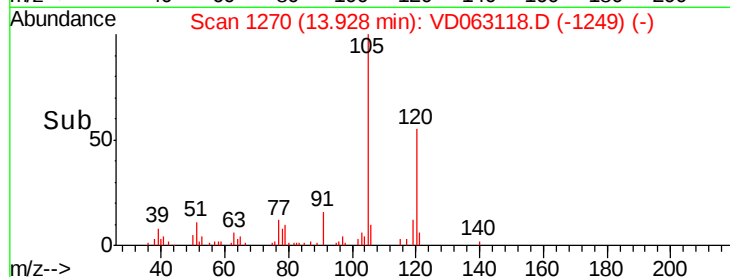
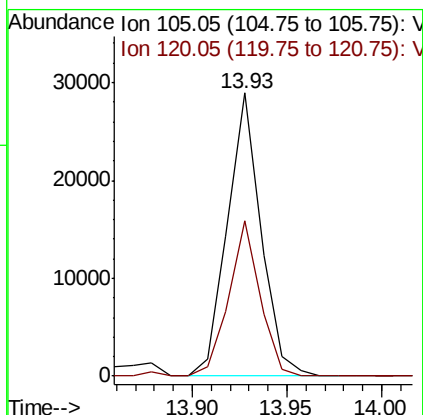
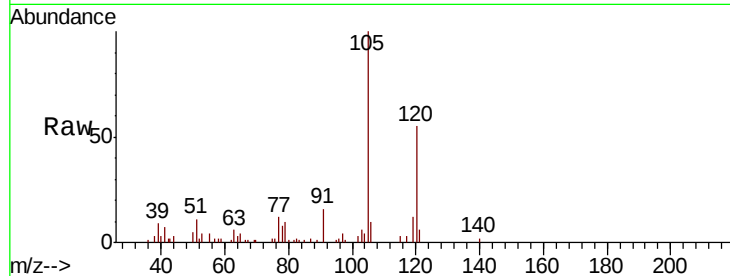




#80
 1,3,5-Trimethylbenzene
 Concen: 4.221 ug/l
 RT: 13.93 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD063118.D
 Acq: 16 Jul 2019 20:36

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-SF-01-006-ARE

Tot Ion:105 Resp: 35311
 Ion Ratio Lower Upper
 105 100
 120 54.7 21.8 65.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 170.461 ug/l
 RT: 13.54 min Scan# 1231
 Delta R.T. 0.07 min
 Lab File: VD063118.D
 Acq: 16 Jul 2019 20:36

Tgt Ion: 75 Resp: 85828
 Ion Ratio Lower Upper
 75 100
 53 0.0 104.4 156.6#
 89 0.0 43.1 64.7#

