

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071619\
 Data File : VD063108.D
 Acq On : 16 Jul 2019 15:59
 Operator : VA/AP
 Sample : K3776-04
 Misc : 4.54u/5ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: Jul 17 07:36:26 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	507208	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	704578	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	445477	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	127907	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	346989	54.92	ug/l	0.00
Spiked Amount			Recovery	=	109.84%	
35) Dibromofluoromethane	6.91	113	66661	9.50	ug/l	0.00
Spiked Amount			Recovery	=	19.00%	
50) Toluene-d8	10.40	98	587613	38.98	ug/l	0.00
Spiked Amount			Recovery	=	77.96%	
62) 4-Bromofluorobenzene	13.55	95	205365	29.45	ug/l	0.00
Spiked Amount			Recovery	=	58.90%	

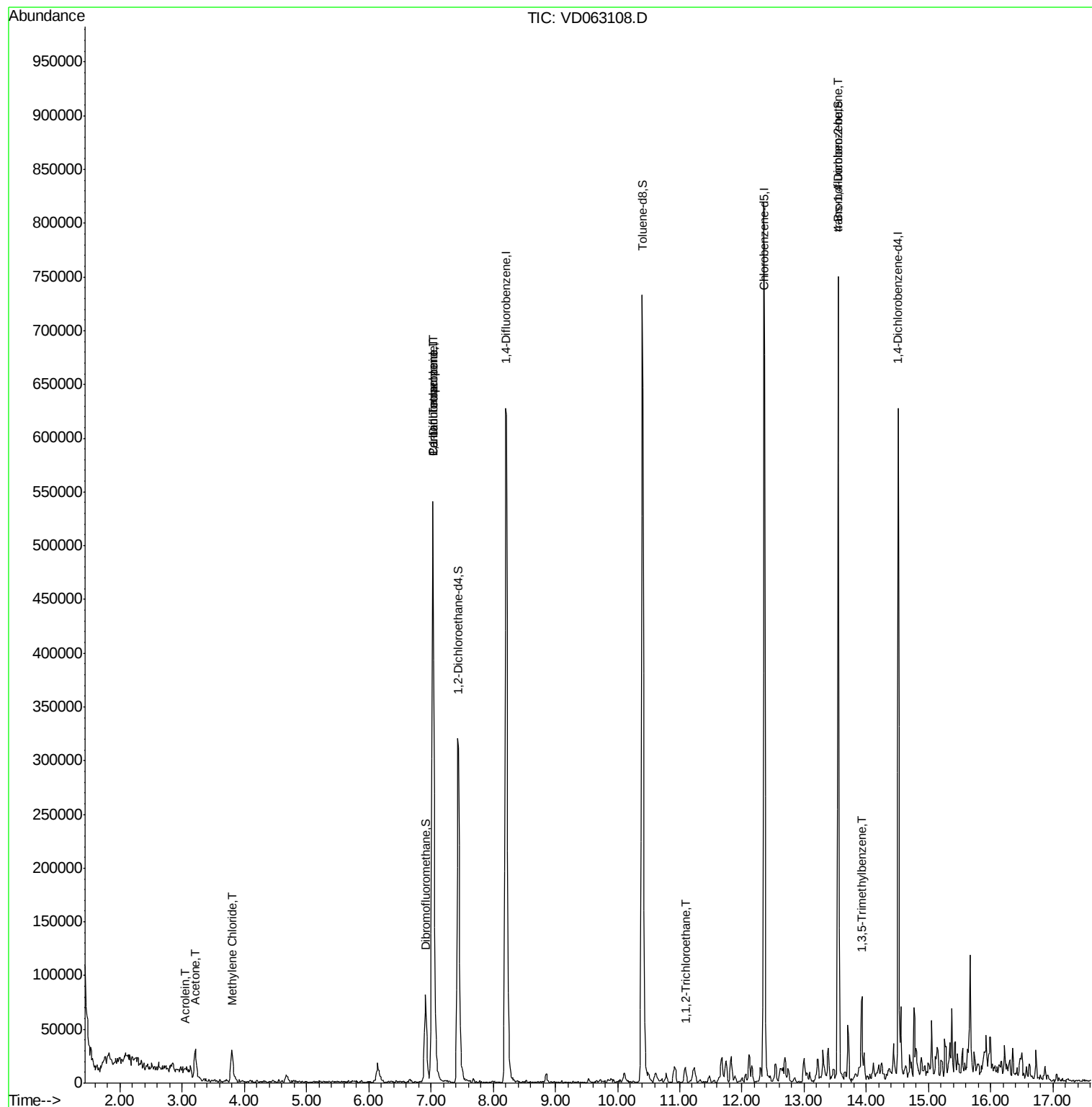
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	414	Below Cal	#	43
3) Chloromethane	1.74	50	599	Below Cal	#	48
5) Bromomethane	2.15	94	1868	Below Cal	#	13
13) Acrolein	3.04	56	534	4.852	ug/l	86
16) Acetone	3.21	43	57407	37.618	ug/l	95
18) Methyl Acetate	3.63	43	642	Below Cal	#	63
20) Methylene Chloride	3.79	84	18816	3.264	ug/l	86
36) 1,1-Dichloropropene	7.03	75	38308	4.834	ug/l	46
38) Carbon Tetrachloride	7.03	117	49349	4.098	ug/l	14
55) 1,1,2-Trichloroethane	11.09	97	7525	1.965	ug/l	22
80) 1,3,5-Trimethylbenzene	13.93	105	32448	3.769	ug/l	95
81) trans-1,4-Dichloro-2-buten	13.55	75	95714	184.727	ug/l	1

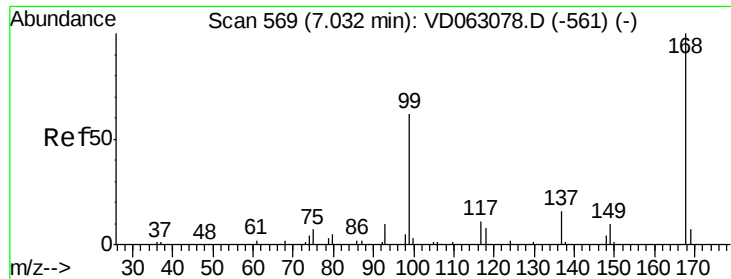
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD071619\
Data File : VD063108.D
Acq On : 16 Jul 2019 15:59
Operator : VA/AP
Sample : K3776-04
Misc : 4.54g/5ml/MSVOA D/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_D
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FK-SF-01-006-B

Quant Time: Jul 17 07:36:26 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 16 08:11:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.00 min

Lab File: VD063108.D

Acq: 16 Jul 2019 15:59

Instrument :

MSVOA_D

ClientSampleId :

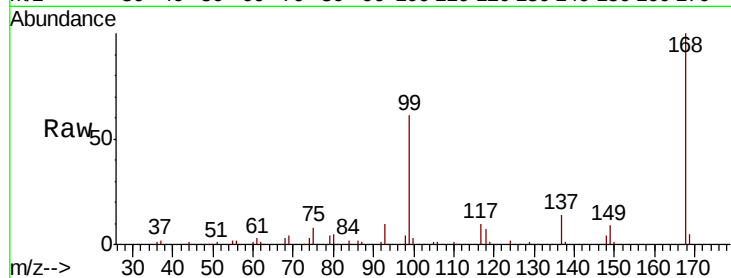
FK-SF-01-006-B

Tot Ion:168 Resp: 507208

Ion Ratio Lower Upper

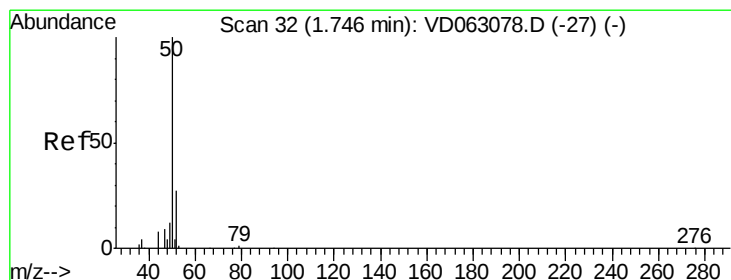
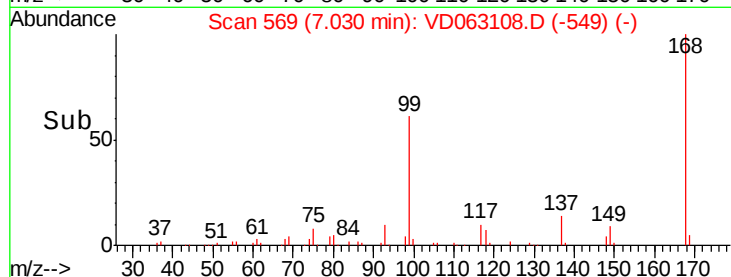
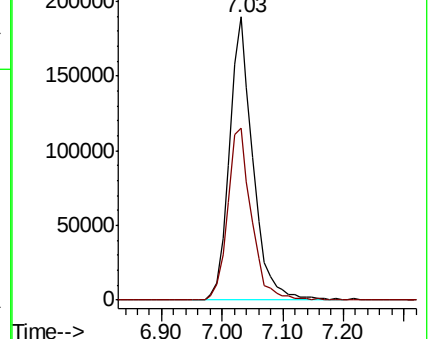
168 100

99 60.8 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#3

Chloromethane

Concen: Below Cal

RT: 1.74 min Scan# 32

Delta R.T. -0.00 min

Lab File: VD063108.D

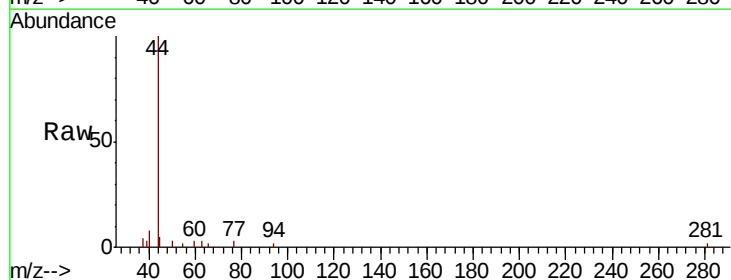
Acq: 16 Jul 2019 15:59

Tgt Ion: 50 Resp: 599

Ion Ratio Lower Upper

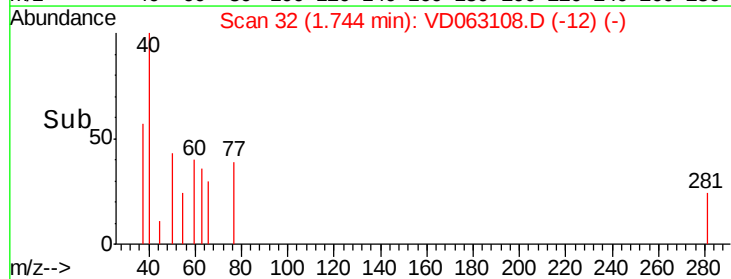
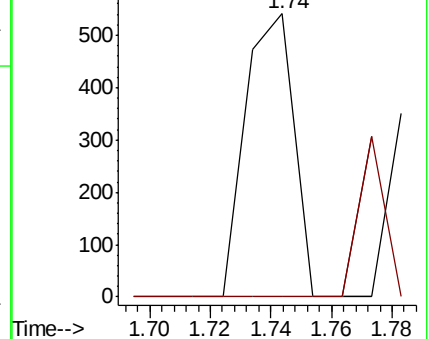
50 100

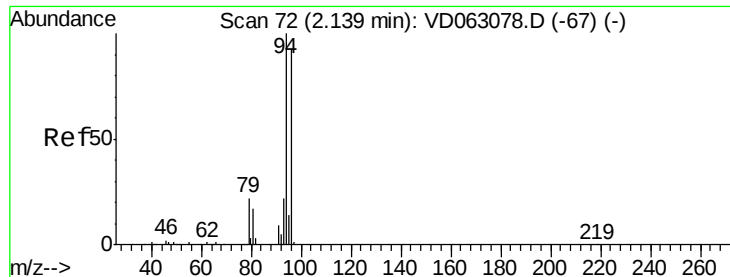
52 0.0 21.4 32.2#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#5

Bromomethane

Concen: Below Cal

RT: 2.15 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD063108.D

Acq: 16 Jul 2019 15:59

Instrument :

MSVOA_D

ClientSampleId :

FK-SF-01-006-B

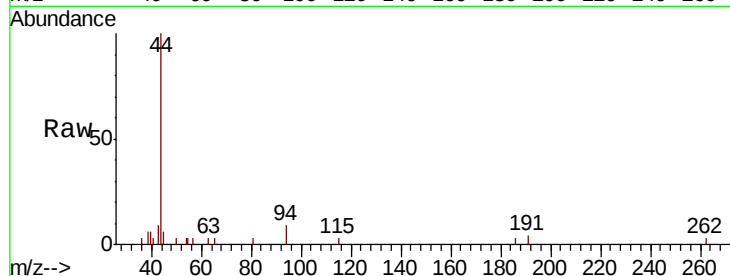
Tot Ion: 94 Resp: 1868

Ion Ratio Lower Upper

94 100

96 0.0 74.2 111.2#

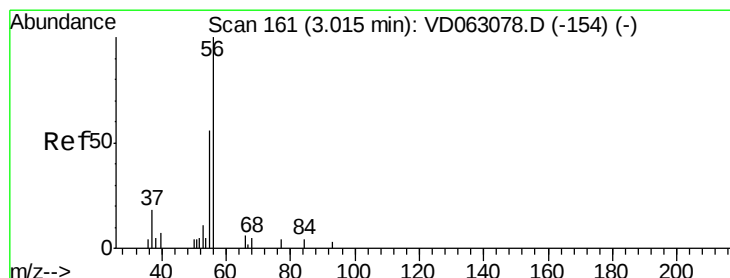
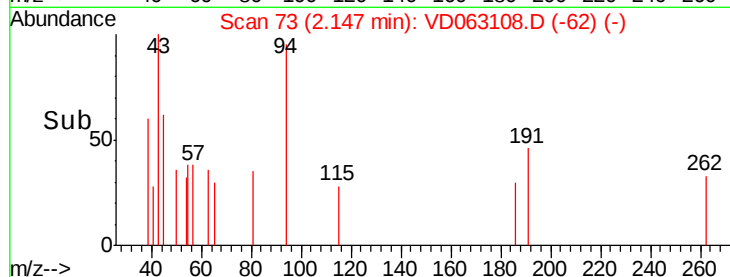
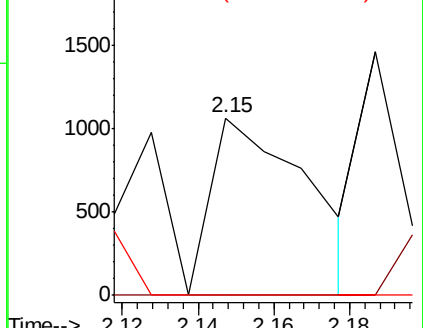
93 0.0 17.8 26.6#



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



#13

Acrolein

Concen: 4.852 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.03 min

Lab File: VD063108.D

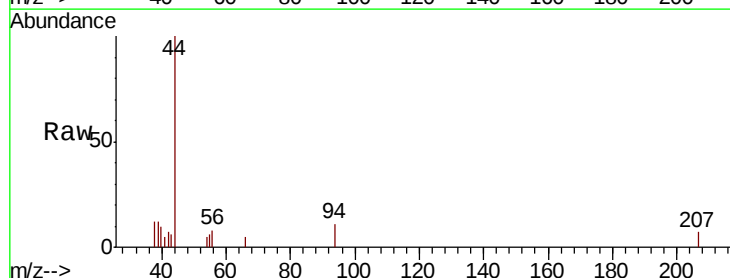
Acq: 16 Jul 2019 15:59

Tgt Ion: 56 Resp: 534

Ion Ratio Lower Upper

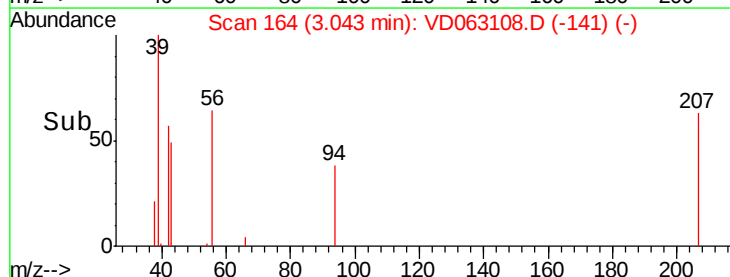
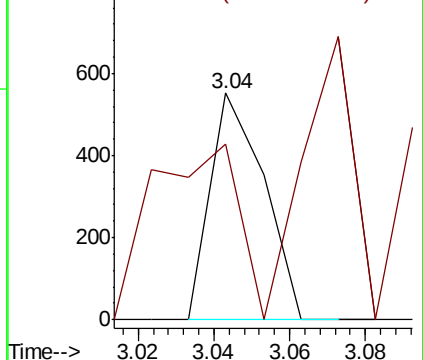
56 100

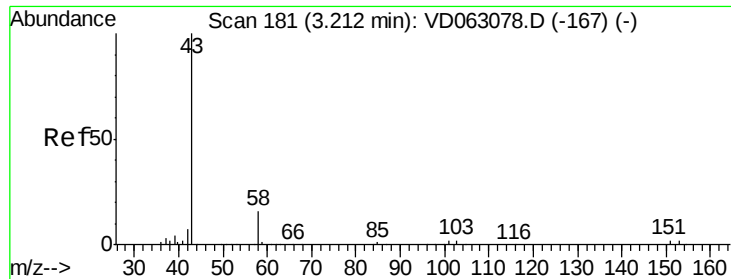
55 77.5 53.0 79.4



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC





#16

Acetone

Concen: 37.618 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.00 min

Lab File: VD063108.D

Acq: 16 Jul 2019 15:59

Instrument :

MSVOA_D

ClientSampleId :

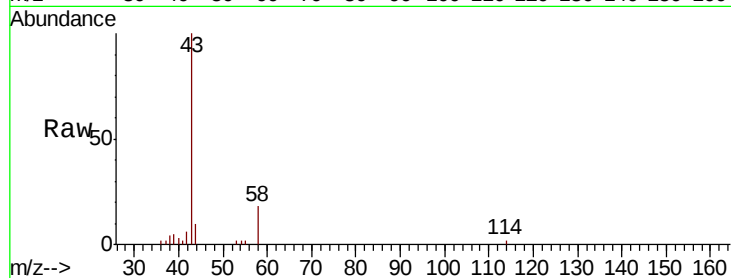
FK-SF-01-006-B

Tot Ion: 43 Resp: 57407

Ion Ratio Lower Upper

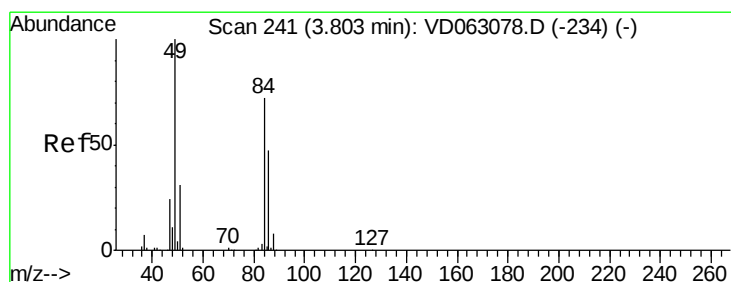
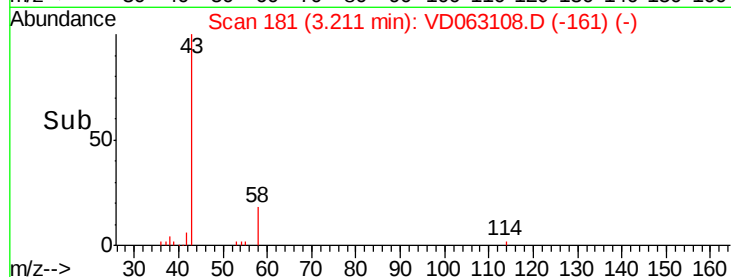
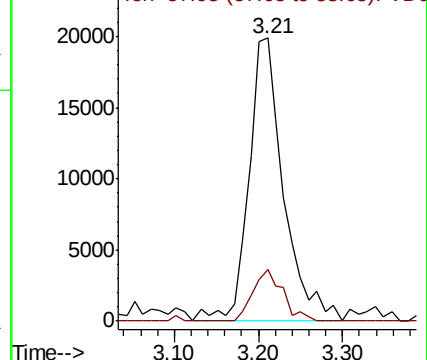
43 100

58 18.5 13.0 19.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 3.264 ug/l

RT: 3.79 min Scan# 240

Delta R.T. -0.01 min

Lab File: VD063108.D

Acq: 16 Jul 2019 15:59

Tgt Ion: 84 Resp: 18816

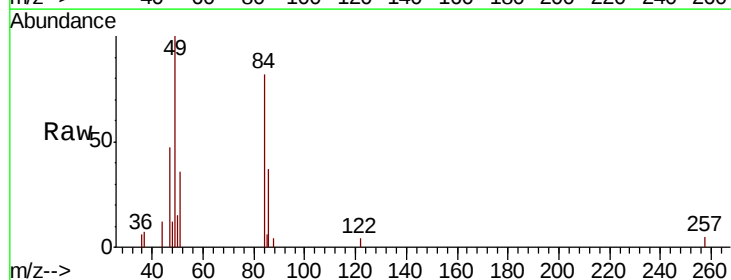
Ion Ratio Lower Upper

84 100

49 121.4 110.5 165.7

51 44.1 34.6 51.8

86 45.4 51.6 77.4#

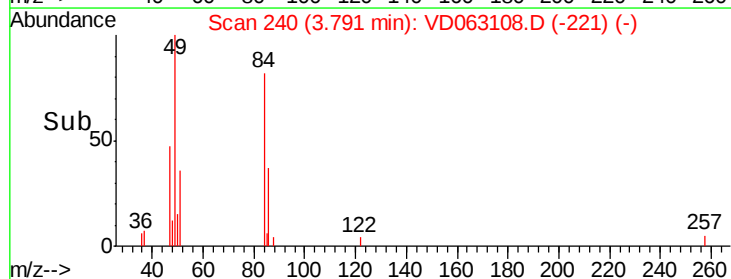
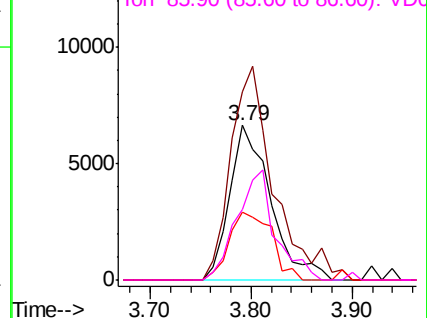


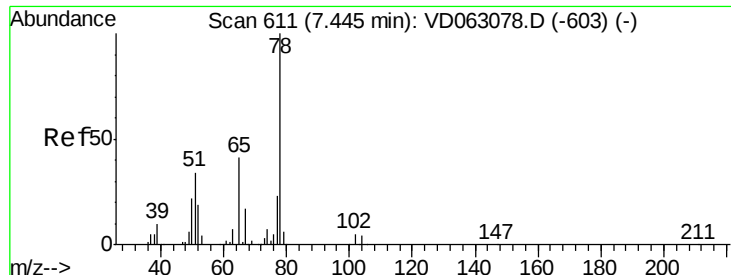
Abundance Ion 83.95 (83.65 to 84.65): VDC

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





#33

1,2-Dichloroethane-d4

Concen: 54.919 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.00 min

Lab File: VD063108.D

Acq: 16 Jul 2019 15:59

Instrument :

MSVOA_D

ClientSampleId :

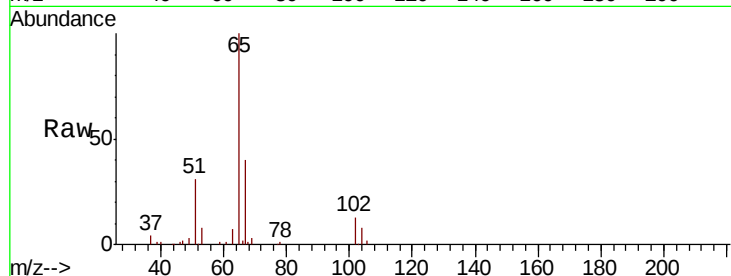
FK-SF-01-006-B

Tot Ion: 65 Resp: 346989

Ion Ratio Lower Upper

65 100

67 40.0 0.0 86.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.44

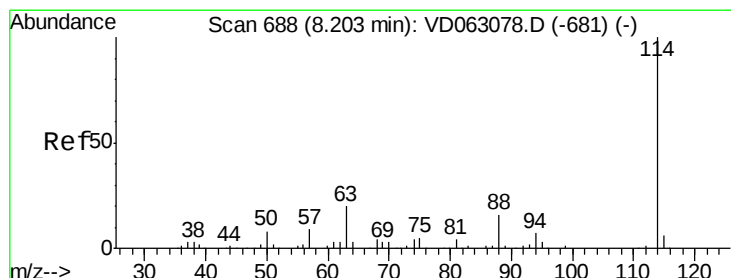
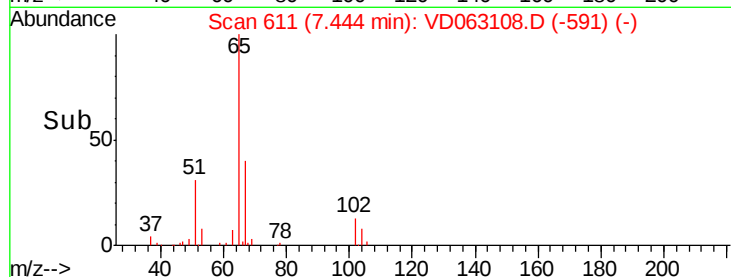
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. 0.01 min

Lab File: VD063108.D

Acq: 16 Jul 2019 15:59

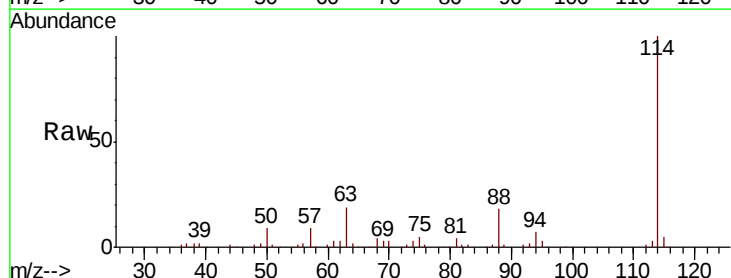
Tgt Ion: 114 Resp: 704578

Ion Ratio Lower Upper

114 100

63 18.9 0.0 40.6

88 17.7 0.0 32.6



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

8.21

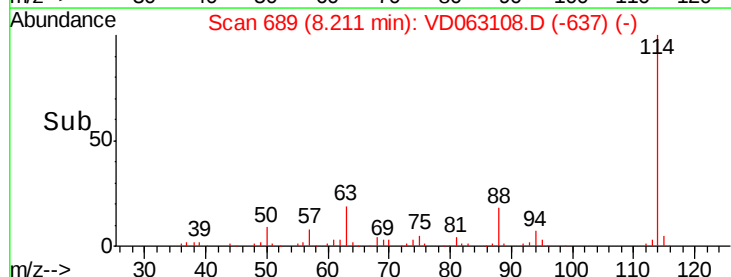
300000

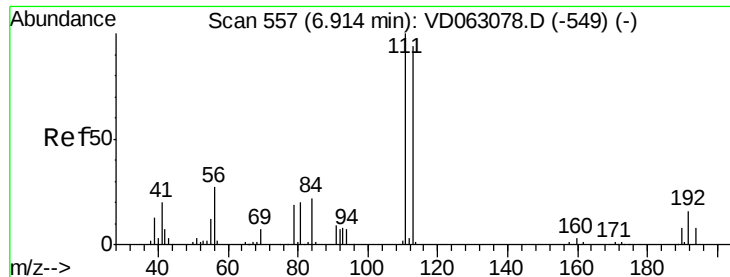
200000

100000

0

Time-->

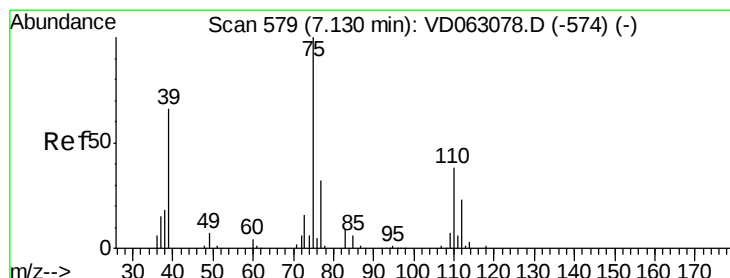
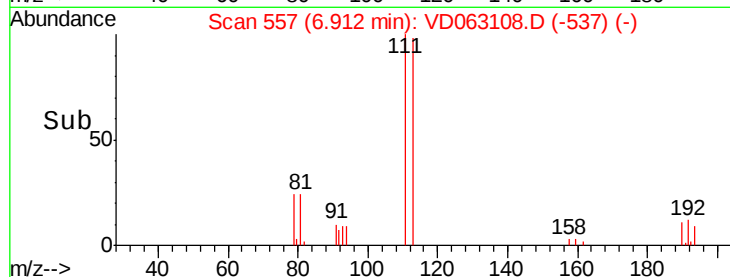
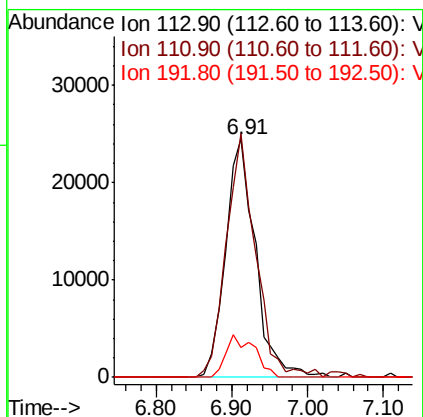
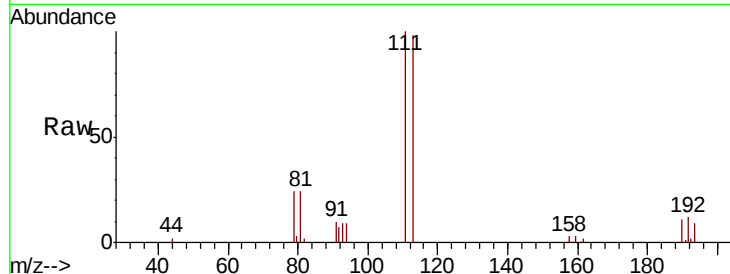




#35
 Dibromofluoromethane
 Concen: 9.499 ug/l
 RT: 6.91 min Scan# 557
 Delta R.T. -0.00 min
 Lab File: VD063108.D
 Acq: 16 Jul 2019 15:59

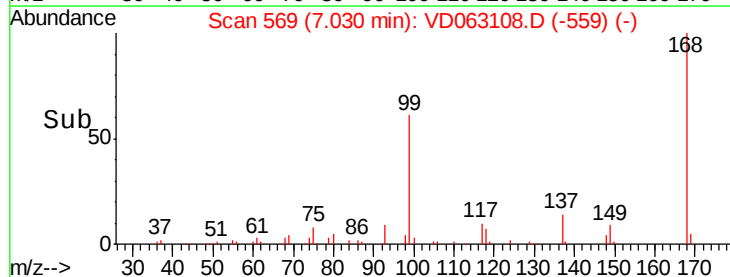
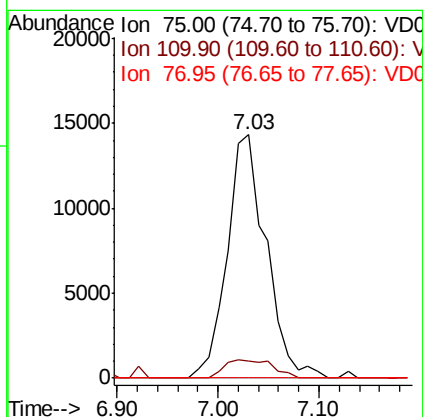
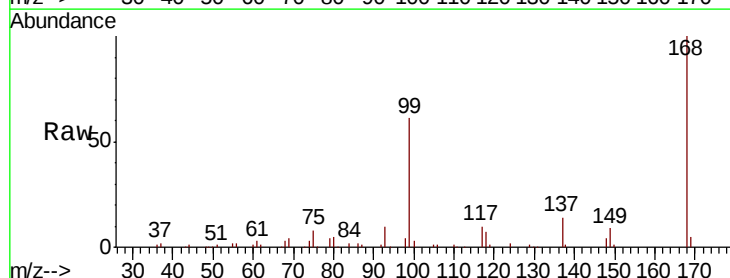
Instrument :
 MSVOA_D
 ClientSampleId :
 FK-SF-01-006-B

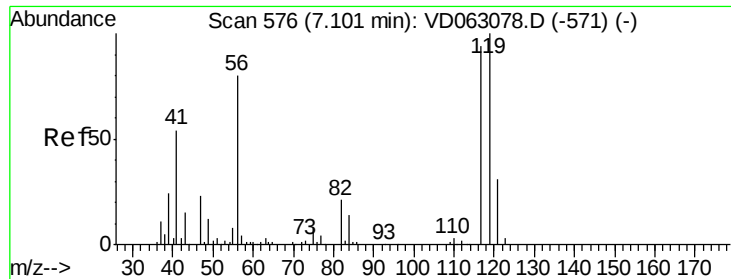
Tot Ion:113 Resp: 66661
 Ion Ratio Lower Upper
 113 100
 111 102.3 84.8 127.2
 192 12.5 13.4 20.0#



#36
 1,1-Dichloropropene
 Concen: 4.834 ug/l
 RT: 7.03 min Scan# 569
 Delta R.T. -0.10 min
 Lab File: VD063108.D
 Acq: 16 Jul 2019 15:59

Tgt Ion: 75 Resp: 38308
 Ion Ratio Lower Upper
 75 100
 110 7.1 18.9 56.5#
 77 0.0 25.2 37.8#





#38

Carbon Tetrachloride

Concen: 4.098 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.07 min

Lab File: VD063108.D

Acq: 16 Jul 2019 15:59

Instrument :

MSVOA_D

ClientSampleId :

FK-SF-01-006-B

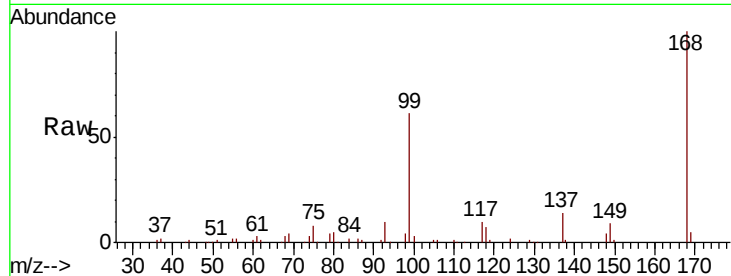
Tot Ion:117 Resp: 49349

Ion Ratio Lower Upper

117 100

119 5.2 80.0 120.0#

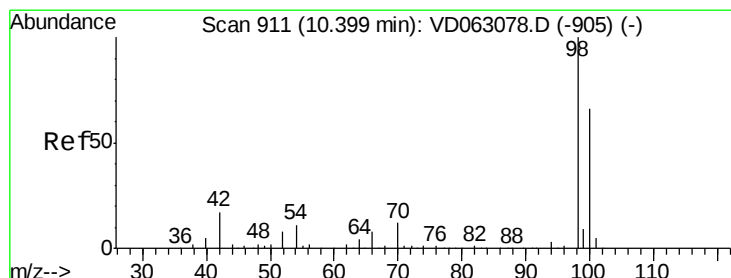
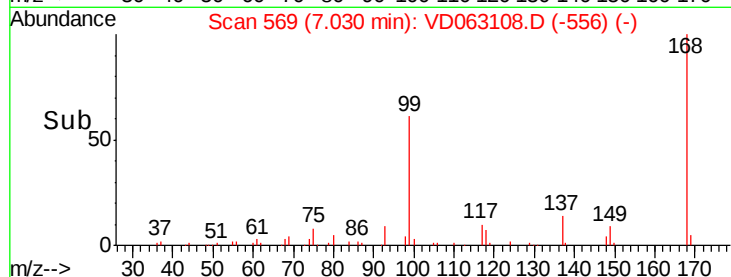
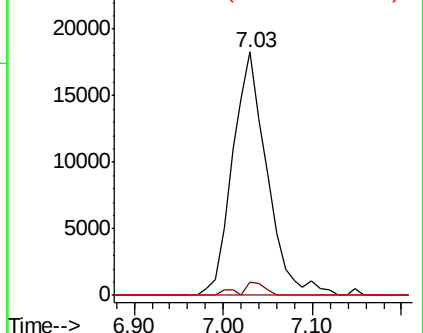
121 0.0 25.0 37.4#



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: 38.981 ug/l

RT: 10.40 min Scan# 911

Delta R.T. -0.00 min

Lab File: VD063108.D

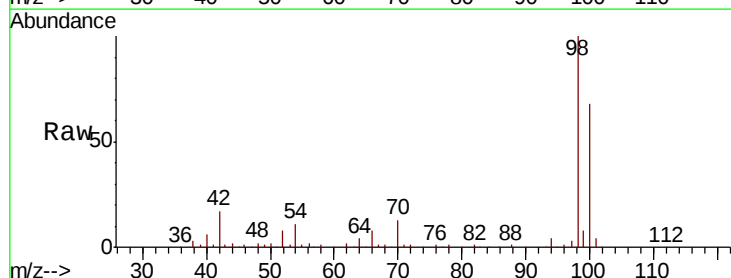
Acq: 16 Jul 2019 15:59

Tgt Ion: 98 Resp: 587613

Ion Ratio Lower Upper

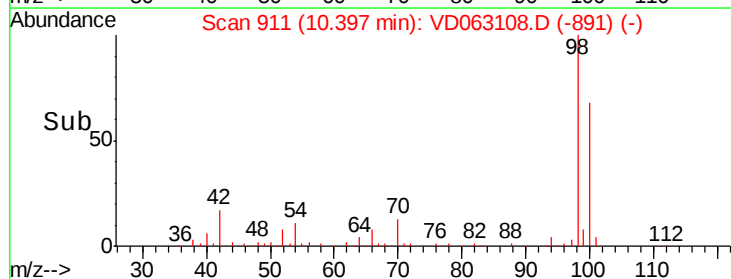
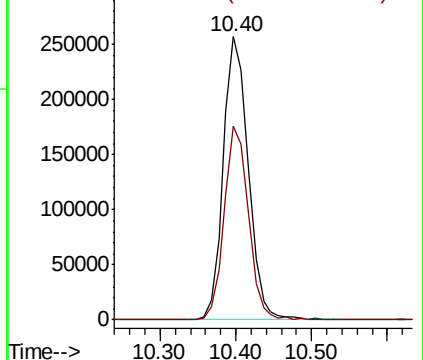
98 100

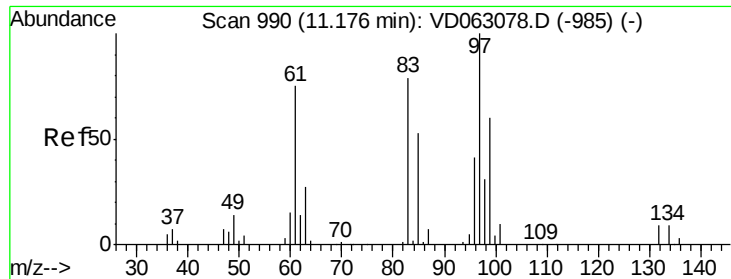
100 68.3 53.5 80.3



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#55

1,1,2-Trichloroethane

Concen: 1.965 ug/l

RT: 11.09 min Scan# 981

Delta R.T. -0.09 min

Lab File: VD063108.D

Acq: 16 Jul 2019 15:59

Instrument :

MSVOA_D

ClientSampleId :

FK-SF-01-006-B

Tot Ion: 97 Resp: 7525

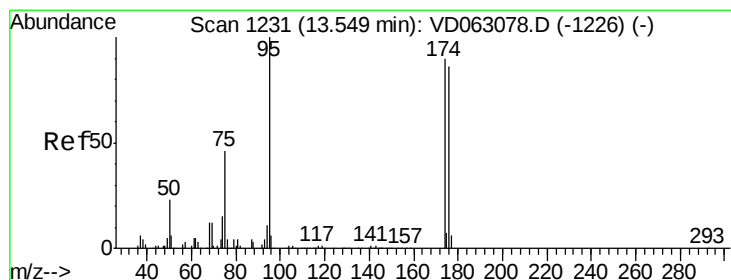
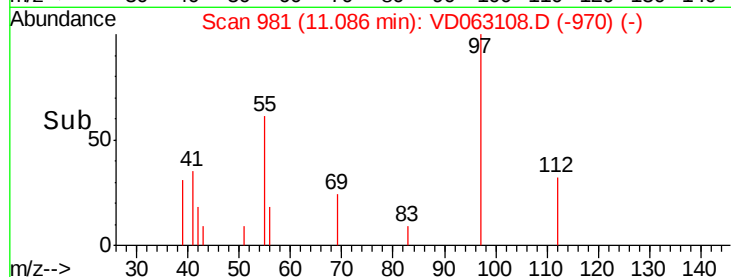
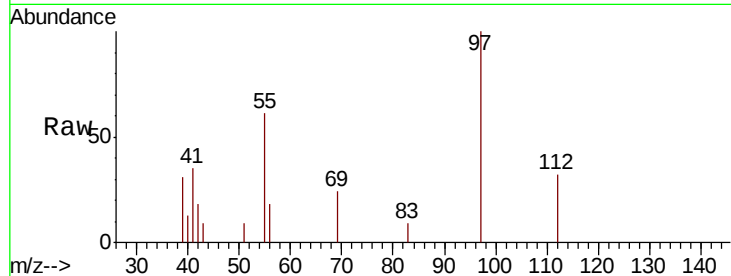
Ion Ratio Lower Upper

97 100

83 9.4 63.2 94.8#

85 0.0 42.0 63.0#

99 0.0 48.3 72.5#



#62

4-Bromofluorobenzene

Concen: 29.448 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VD063108.D

Acq: 16 Jul 2019 15:59

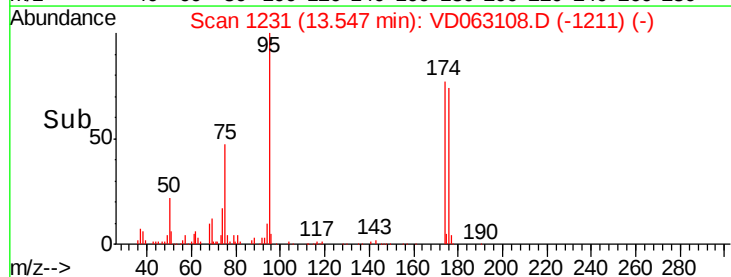
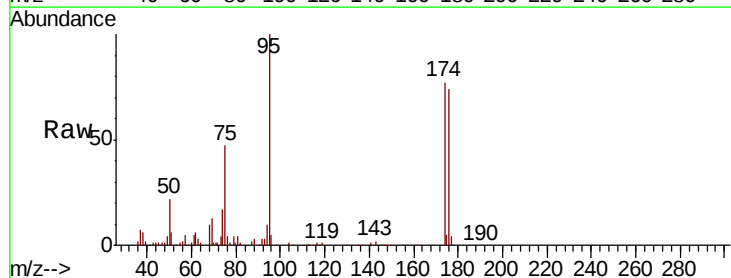
Tgt Ion: 95 Resp: 205365

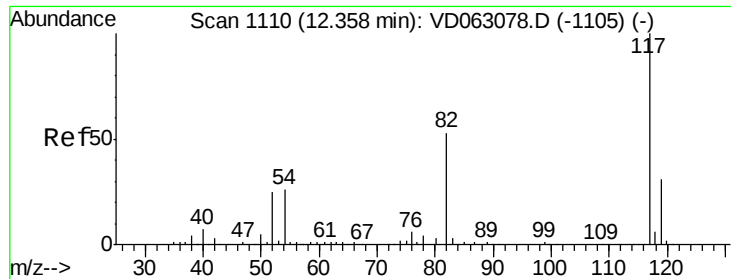
Ion Ratio Lower Upper

95 100

174 76.5 0.0 180.6

176 74.0 0.0 172.2

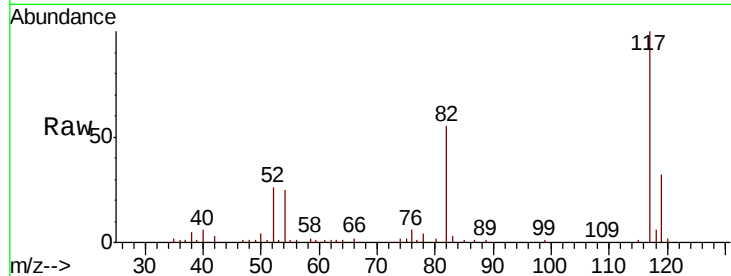




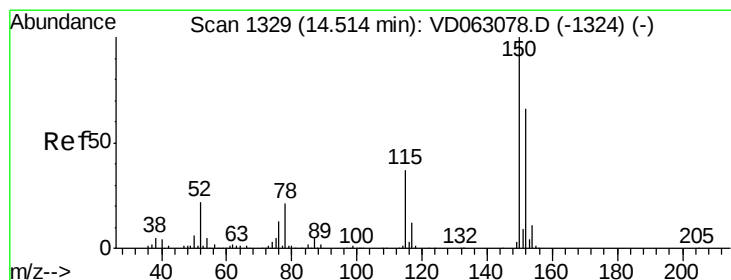
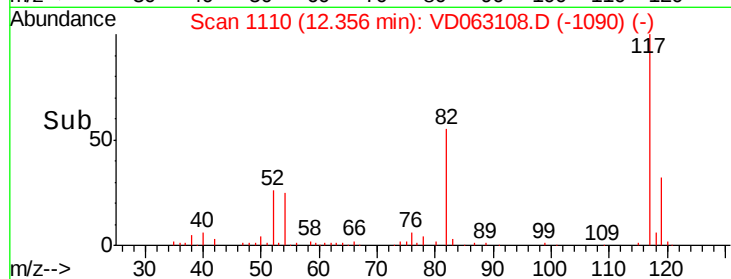
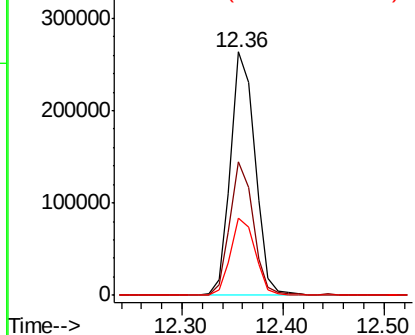
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1110
Delta R.T. -0.00 min
Lab File: VD063108.D
Acq: 16 Jul 2019 15:59

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

Tot Ion:117 Resp: 445477
Ion Ratio Lower Upper
117 100
82 54.8 42.3 63.5
119 31.6 25.2 37.8

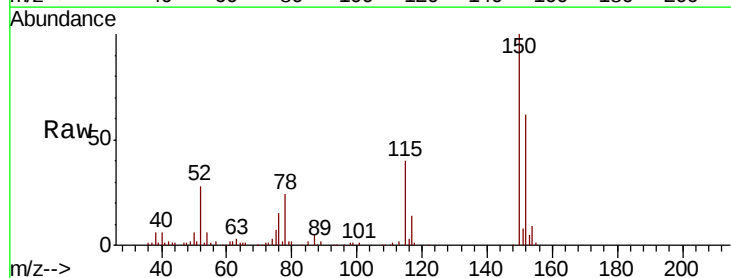


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): VD
Ion 118.95 (118.65 to 119.65): V

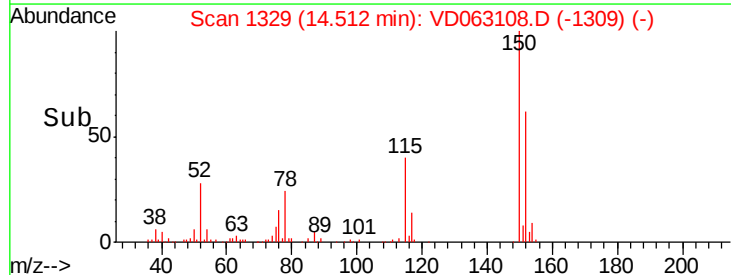
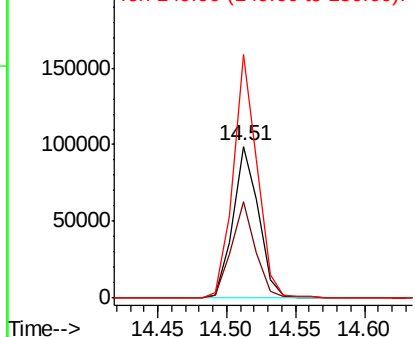


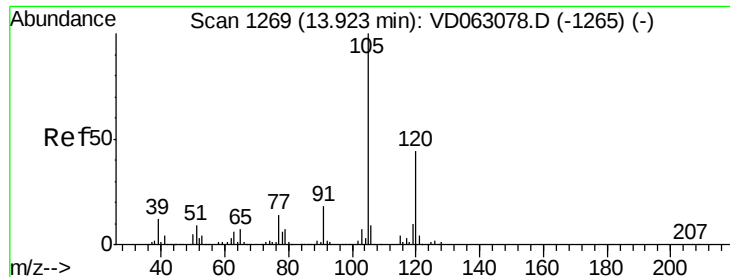
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.00 min
Lab File: VD063108.D
Acq: 16 Jul 2019 15:59

Tgt Ion:152 Resp: 127907
Ion Ratio Lower Upper
152 100
115 63.6 28.9 86.8
150 160.6 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

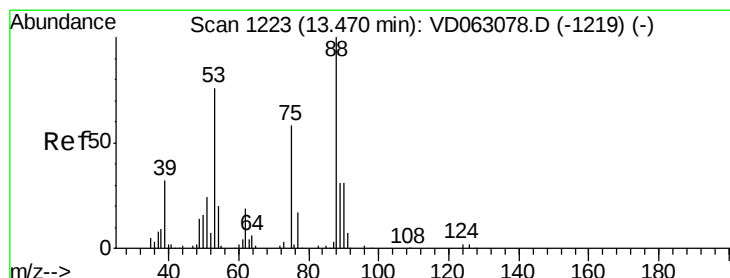
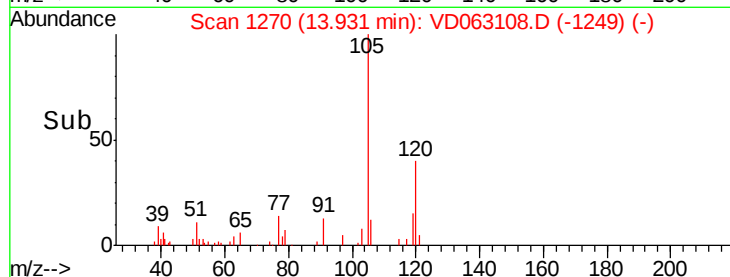
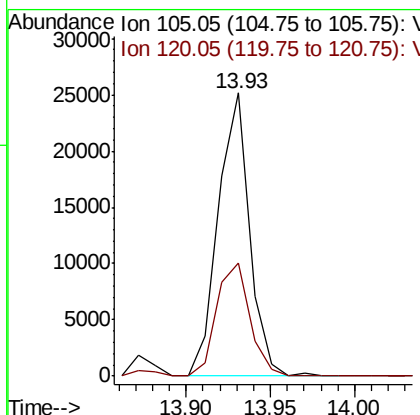
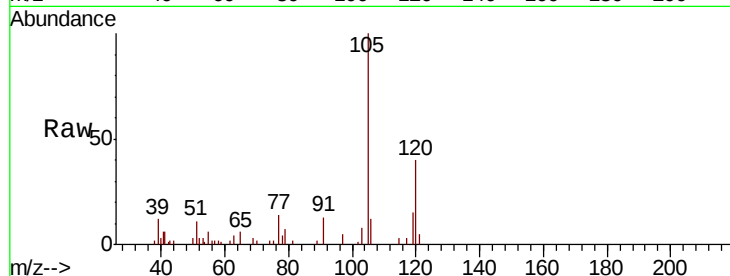




#80
 1,3,5-Trimethylbenzene
 Concen: 3.769 ug/l
 RT: 13.93 min Scan# 1270
 Delta R.T. 0.01 min
 Lab File: VD063108.D
 Acq: 16 Jul 2019 15:59

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

Tot Ion:105 Resp: 32448
 Ion Ratio Lower Upper
 105 100
 120 40.1 21.8 65.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 184.727 ug/l
 RT: 13.55 min Scan# 1231
 Delta R.T. 0.08 min
 Lab File: VD063108.D
 Acq: 16 Jul 2019 15:59

Tgt Ion: 75 Resp: 95714
 Ion Ratio Lower Upper
 75 100
 53 0.8 104.4 156.6#
 89 0.0 43.1 64.7#

