

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042919\
 Data File : VF062325.D
 Acq On : 29 Apr 2019 21:00
 Operator : FY/SY
 Sample : K2194-09RE
 Misc : 6.09g/5mL/MSVOA F/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Apr 30 03:50:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F042419S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 25 08:40:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	255975	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.77	114	344491	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.90	117	271156	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.60	152	154904	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	130376	62.88	ug/l	-0.02
Spiked Amount			Recovery	=	125.76%	
35) Dibromofluoromethane	4.30	113	147137	57.61	ug/l	-0.02
Spiked Amount			Recovery	=	115.22%	
50) Toluene-d8	7.70	98	340225	54.53	ug/l	-0.02
Spiked Amount			Recovery	=	109.06%	
62) 4-Bromofluorobenzene	11.49	95	150011	58.33	ug/l	-0.02
Spiked Amount			Recovery	=	116.66%	

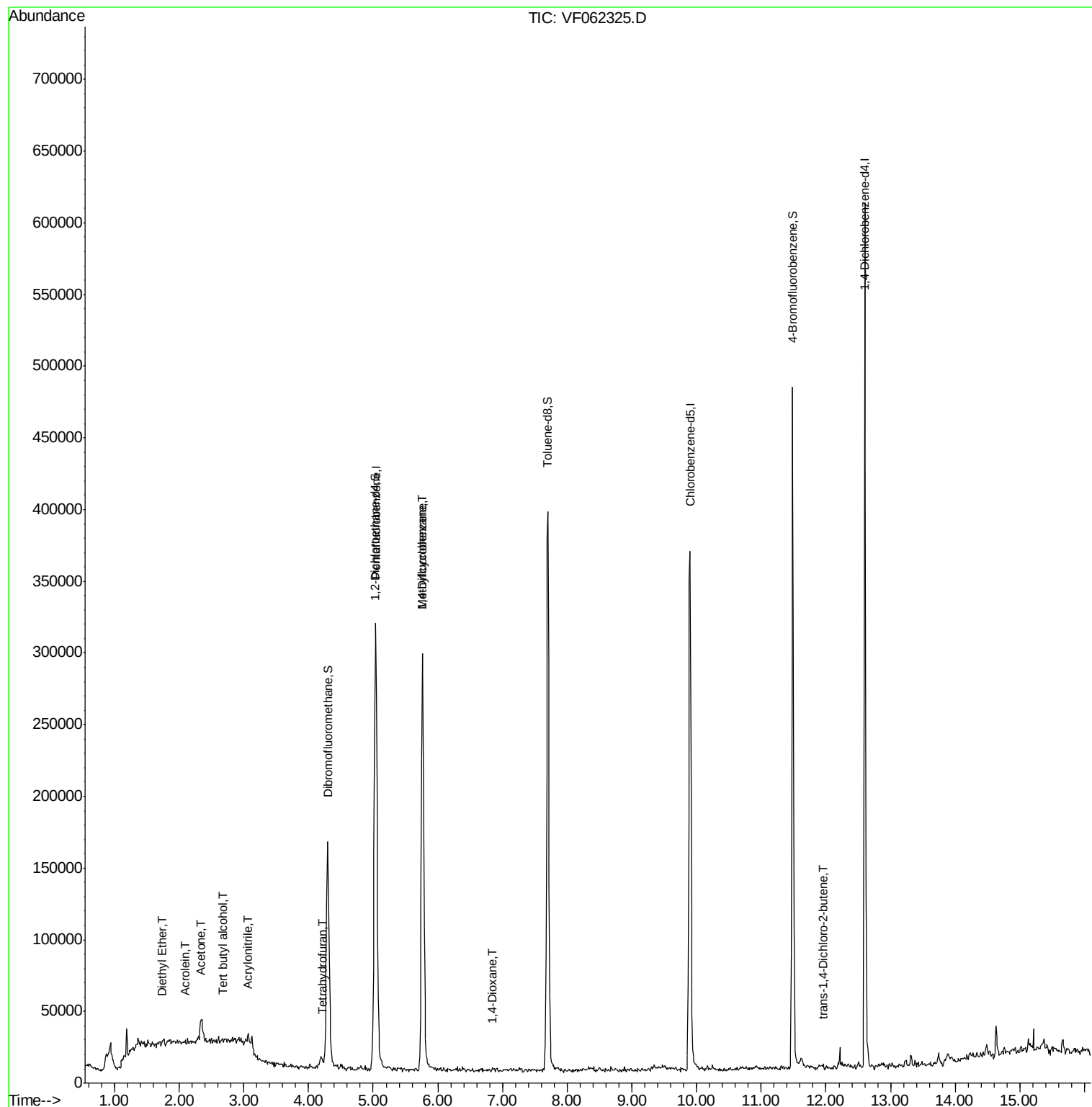
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	1.74	74	1308	1.872	ug/l #	1
11) Tert butyl alcohol	2.67	59	343	2.735	ug/l #	71
13) Acrolein	2.10	56	440	11.868	ug/l #	1
15) Acrylonitrile	3.07	53	517	1.488	ug/l #	77
16) Acetone	2.35	43	27999	60.312	ug/l #	89
18) Methyl Acetate	2.46	43	2479	Below Cal		94
20) Methylene Chloride	2.39	84	252	Below Cal	#	7
29) Tetrahydrofuran	4.22	42	331	1.023	ug/l #	61
39) Methylcyclohexane	5.76	83	5083	1.370	ug/l #	43
49) 1,4-Dioxane	6.84	88	84	7.447	ug/l #	1
59) 2-Hexanone	9.61	43	1874	Below Cal		75
81) trans-1,4-Dichloro-2-buten	11.95	75	685	1.281	ug/l #	38

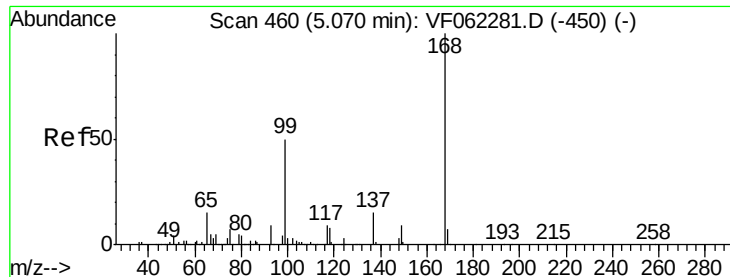
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF042919\
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Quant Title : SW846 8260
QLast Update : Thu Apr 25 08:40:59 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.03 min

Lab File: VF062325.D

Acq: 29 Apr 2019 21:00

Instrument :

MSVOA_F

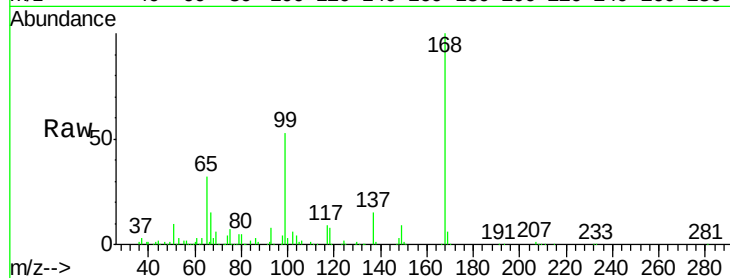
ClientSampleId :

Tot Ion:168 Resp: 255975

Ion Ratio Lower Upper

168 100

99 53.4 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VF0

5.04

100000

80000

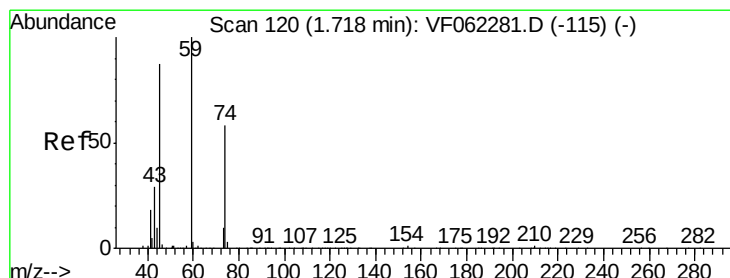
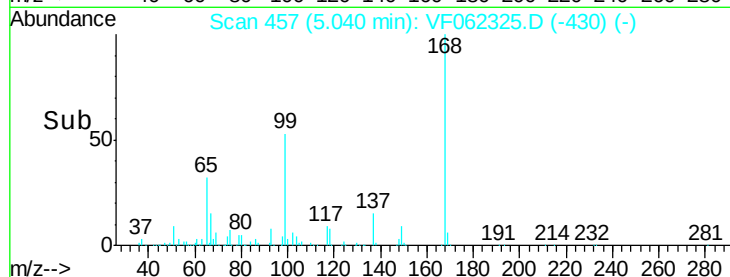
60000

40000

20000

0

Time--> 4.80 5.00 5.20 5.40



#8

Diethyl Ether

Concen: 1.872 ug/l

RT: 1.74 min Scan# 122

Delta R.T. 0.02 min

Lab File: VF062325.D

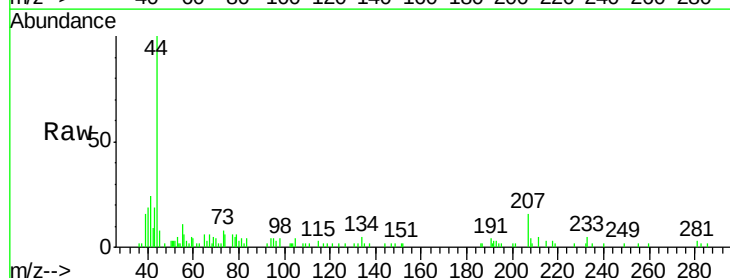
Acq: 29 Apr 2019 21:00

Tgt Ion: 74 Resp: 1308

Ion Ratio Lower Upper

74 100

45 0.0 74.0 222.0#



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

1.74

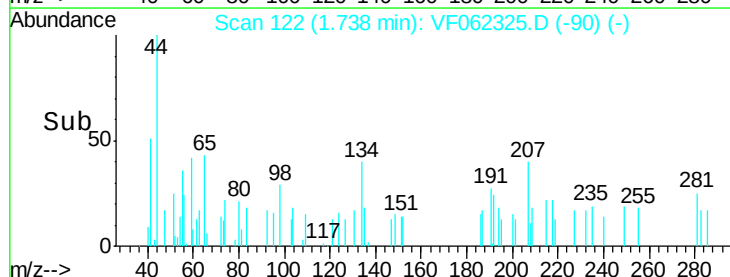
1500

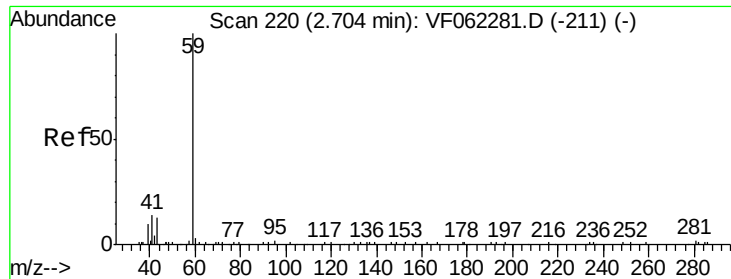
1000

500

0

Time--> 1.60 1.70 1.80



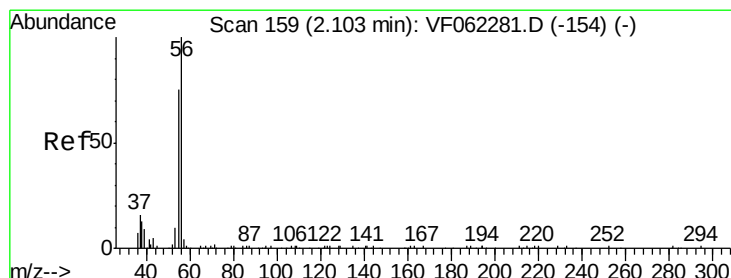
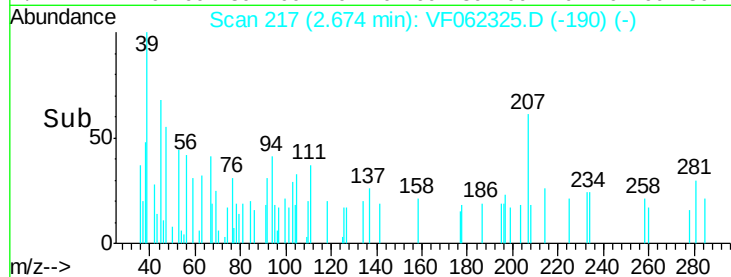
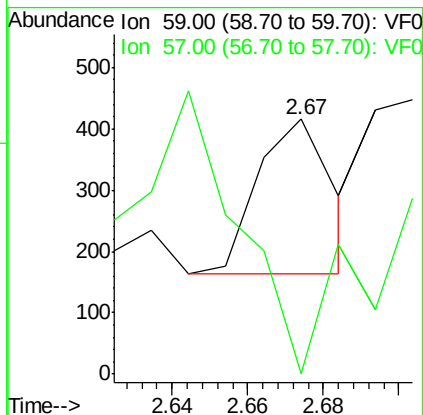
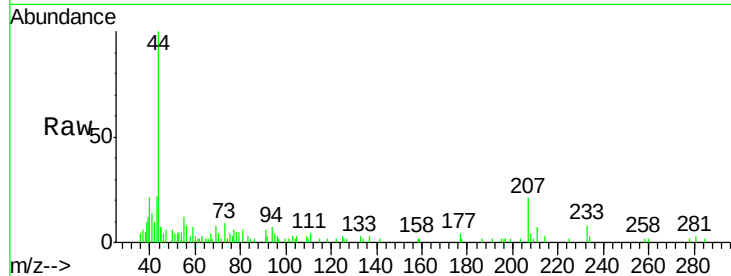


#11

Tert butyl alcohol
Concen: 2.735 ug/l
RT: 2.67 min Scan# 217
Delta R.T. -0.03 min
Lab File: VF062325.D
Acq: 29 Apr 2019 21:00

Instrument :
MSVOA_F
ClientSampled :

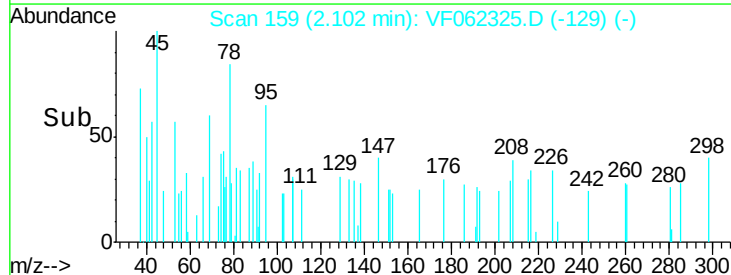
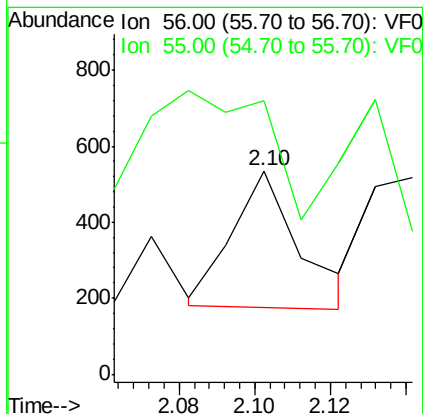
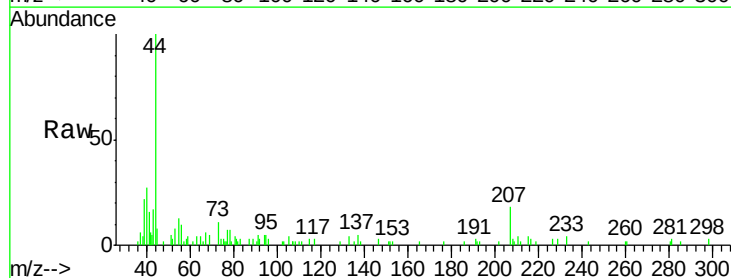
Tot Ion: 59 Resp: 343
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#

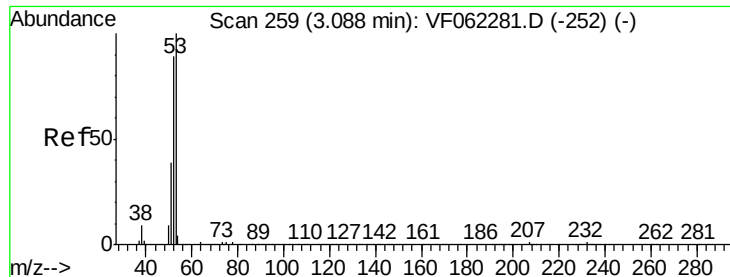


#13

Acrolein
Concen: 11.868 ug/l
RT: 2.10 min Scan# 159
Delta R.T. 0.00 min
Lab File: VF062325.D
Acq: 29 Apr 2019 21:00

Tgt Ion: 56 Resp: 440
Ion Ratio Lower Upper
56 100
55 167.0 62.3 93.5#





#15

Acrylonitrile

Concen: 1.488 ug/l

RT: 3.07 min Scan# 257

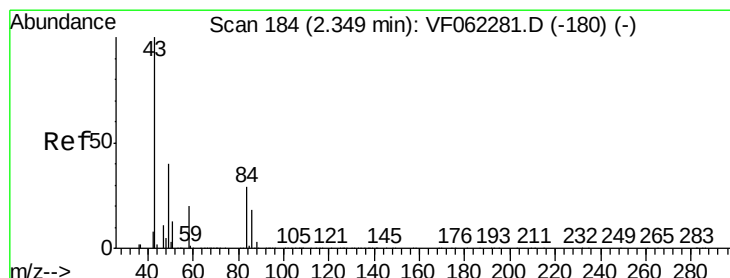
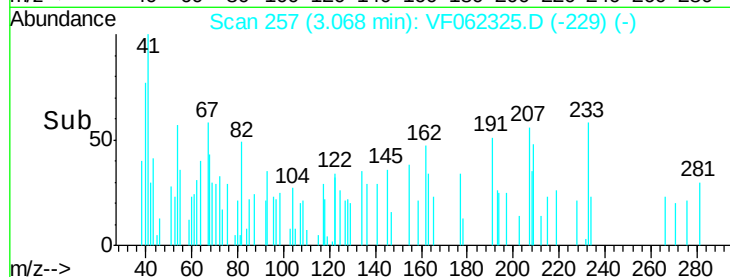
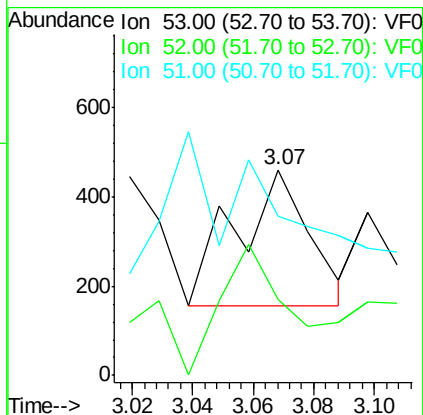
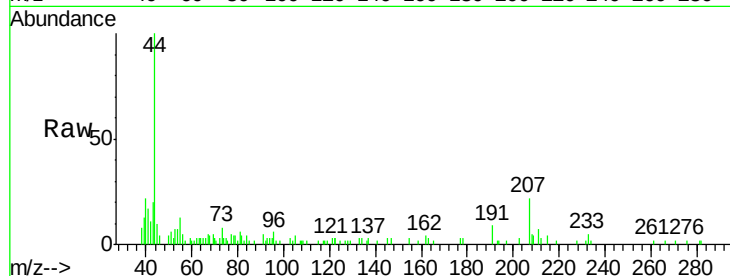
Delta R.T. -0.02 min

Lab File: VF062325.D

Acq: 29 Apr 2019 21:00

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	53	Resp:	517
Ion	Ratio	Lower	Upper
53	100		
52	84.5	70.6	105.8
51	0.0	32.6	48.8#



#16

Acetone

Concen: 60.312 ug/l

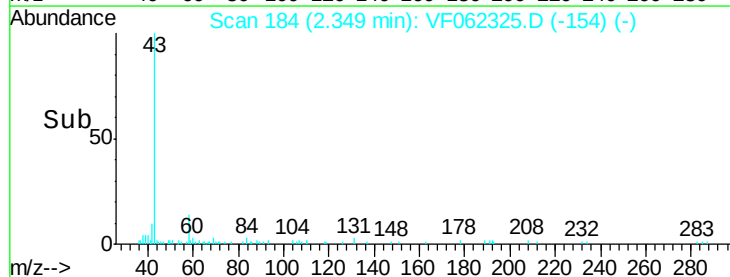
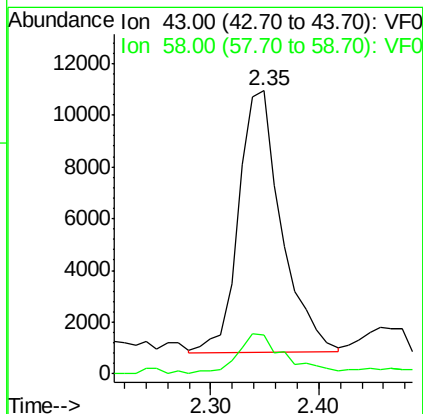
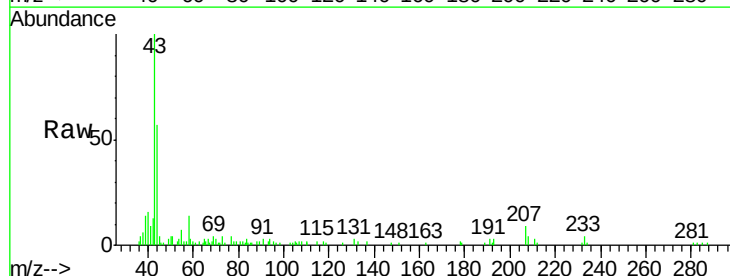
RT: 2.35 min Scan# 184

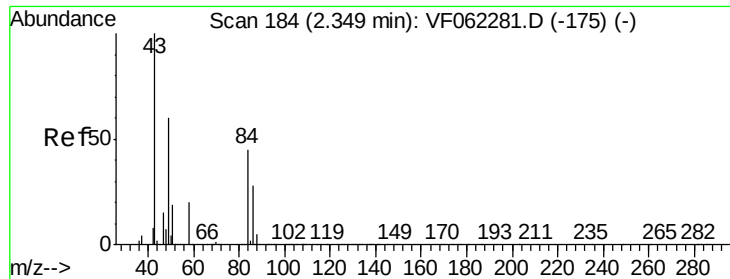
Delta R.T. -0.00 min

Lab File: VF062325.D

Acq: 29 Apr 2019 21:00

Tgt Ion:	43	Resp:	27999
Ion	Ratio	Lower	Upper
43	100		
58	15.2	16.4	24.6#

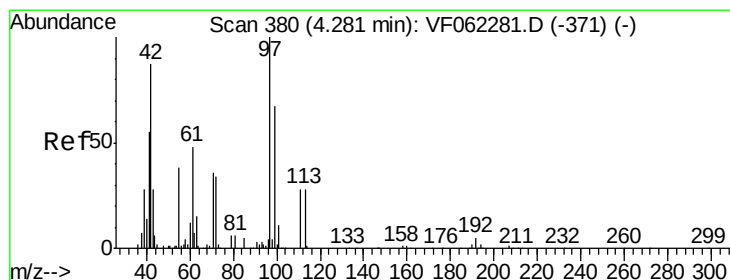
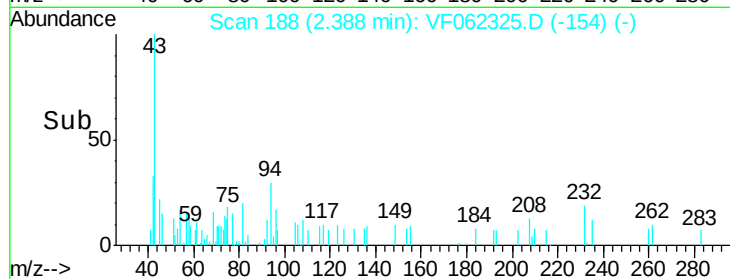
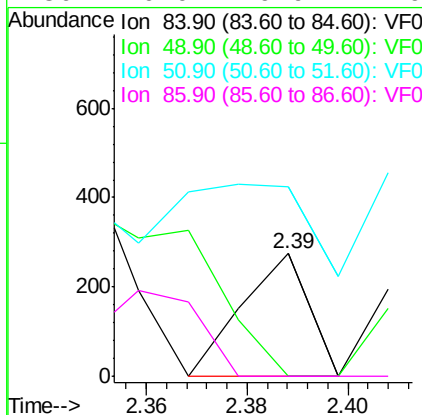
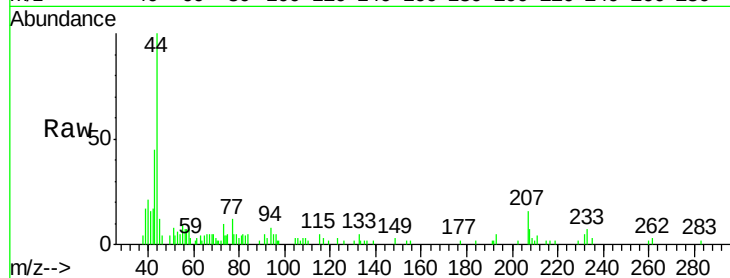




#20
Methylene Chloride
Concen: Below Cal
RT: 2.39 min Scan# 188
Delta R.T. 0.04 min
Lab File: VF062325.D
Acq: 29 Apr 2019 21:00

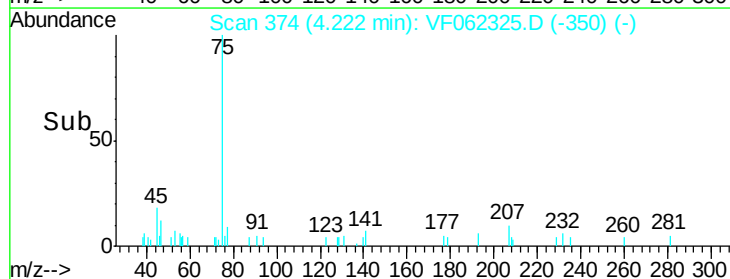
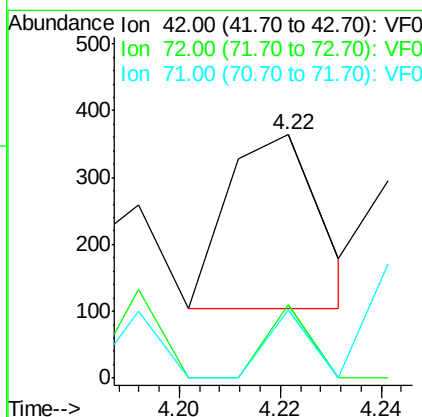
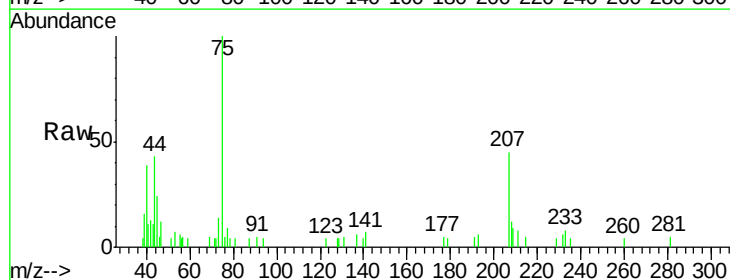
Instrument :
MSVOA_F
ClientSampled :

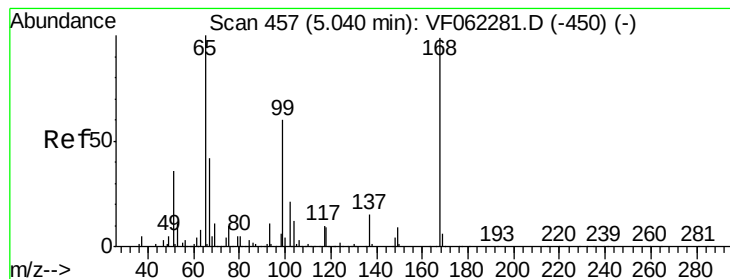
Tot Ion:	84	Resp:	252
Ion	Ratio	Lower	Upper
84	100		
49	0.0	112.1	168.1#
51	73.0	35.9	53.9#
86	0.0	49.9	74.9#



#29
Tetrahydrofuran
Concen: 1.023 ug/l
RT: 4.22 min Scan# 374
Delta R.T. -0.06 min
Lab File: VF062325.D
Acq: 29 Apr 2019 21:00

Tgt Ion:	42	Resp:	331
Ion	Ratio	Lower	Upper
42	100		
72	19.6	29.3	43.9#
71	68.6	31.2	46.8#





#33

1,2-Dichloroethane-d4

Concen: 62.879 ug/l

RT: 5.02 min Scan# 455

Delta R.T. -0.02 min

Lab File: VF062325.D

Acq: 29 Apr 2019 21:00

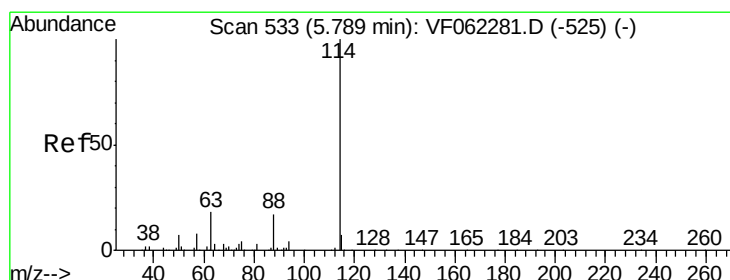
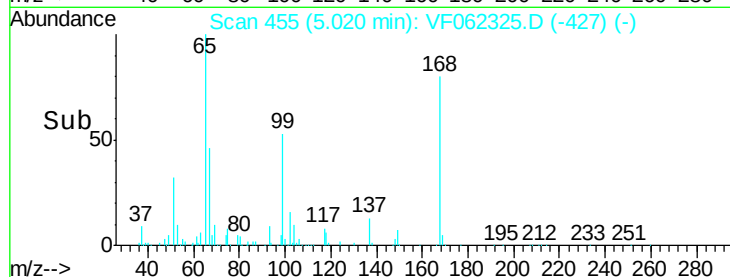
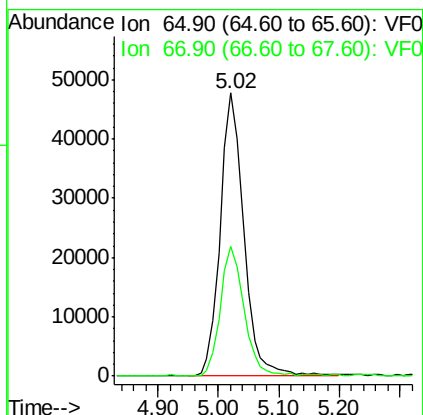
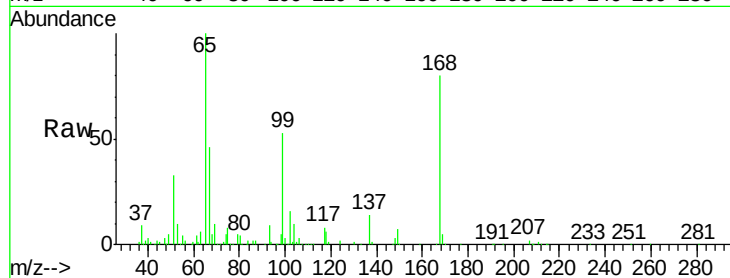
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 65 Resp: 130376

Ion Ratio Lower Upper

65 100

67 45.8 0.0 98.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.77 min Scan# 531

Delta R.T. -0.02 min

Lab File: VF062325.D

Acq: 29 Apr 2019 21:00

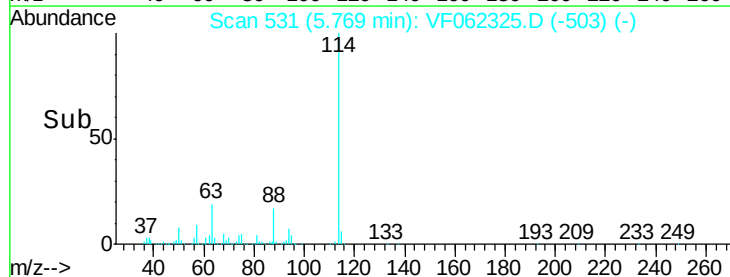
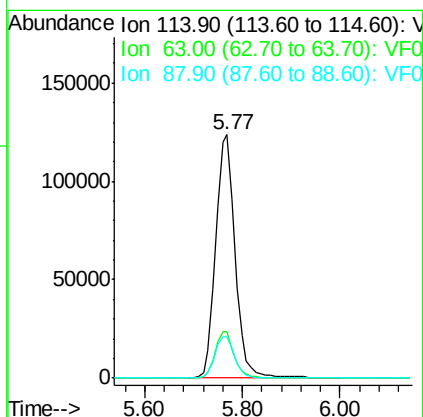
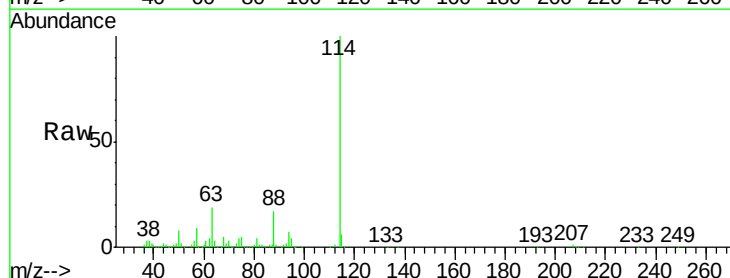
Tgt Ion: 114 Resp: 344491

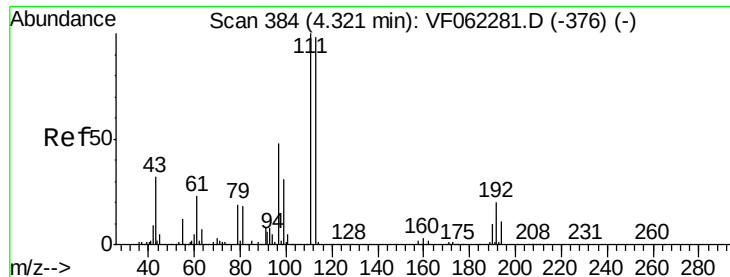
Ion Ratio Lower Upper

114 100

63 18.9 0.0 35.6

88 17.2 0.0 34.6

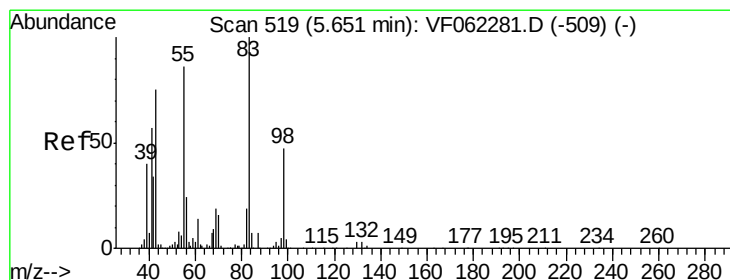
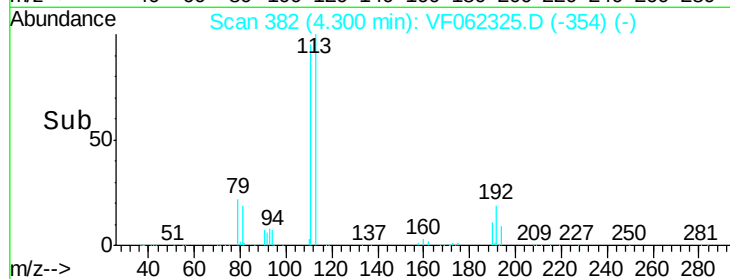
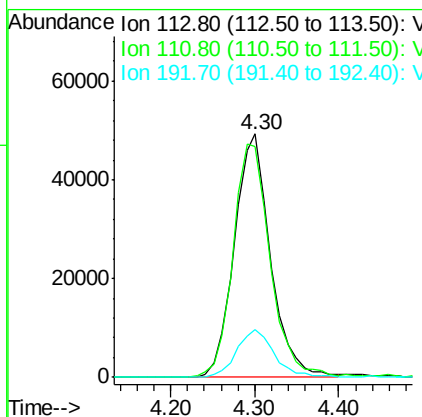
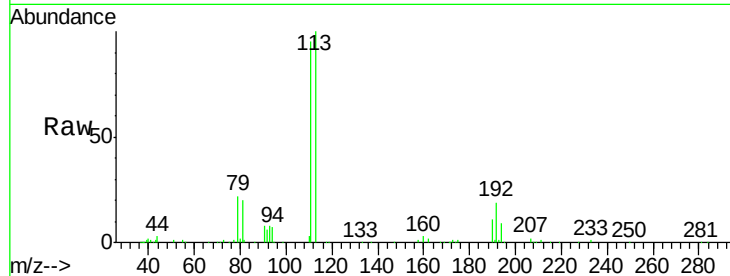




#35
 Dibromofluoromethane
 Concen: 57.605 ug/l
 RT: 4.30 min Scan# 382
 Delta R.T. -0.02 min
 Lab File: VF062325.D
 Acq: 29 Apr 2019 21:00

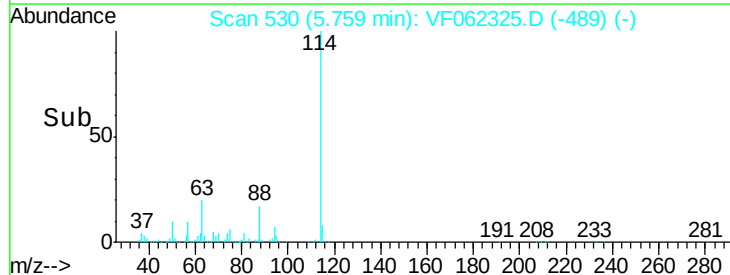
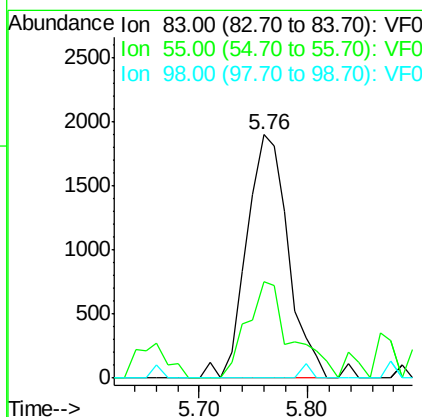
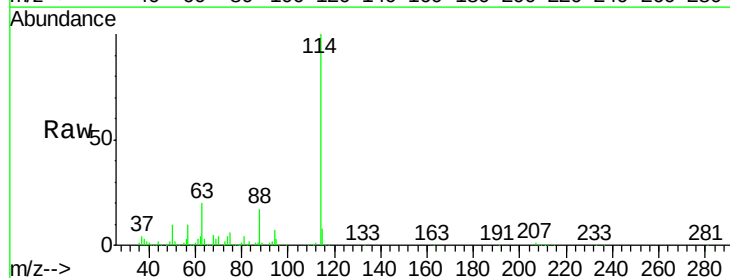
Instrument :
 MSVOA_F
 ClientSampleId :

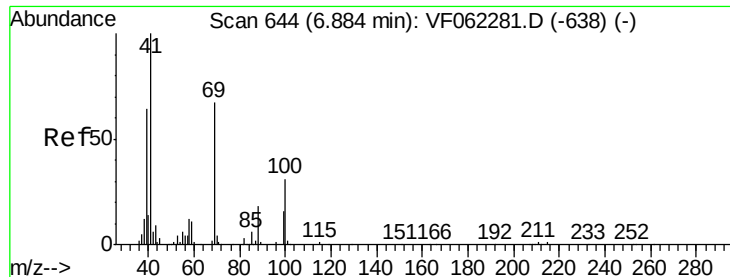
Tot Ion:113 Resp: 147137
 Ion Ratio Lower Upper
 113 100
 111 99.6 81.4 122.2
 192 20.3 17.0 25.4



#39
 Methylcyclohexane
 Concen: 1.370 ug/l
 RT: 5.76 min Scan# 530
 Delta R.T. 0.11 min
 Lab File: VF062325.D
 Acq: 29 Apr 2019 21:00

Tgt Ion: 83 Resp: 5083
 Ion Ratio Lower Upper
 83 100
 55 39.7 68.7 103.1#
 98 0.0 37.4 56.2#

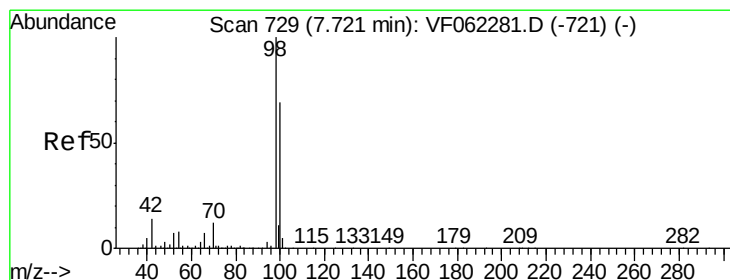
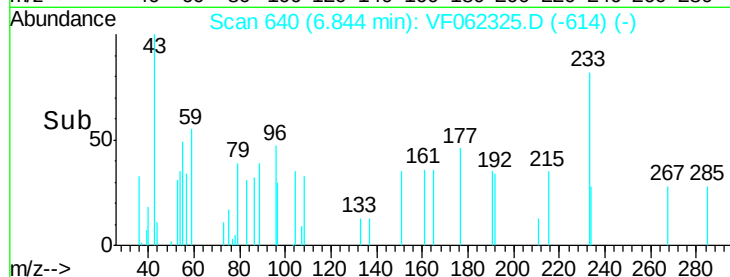
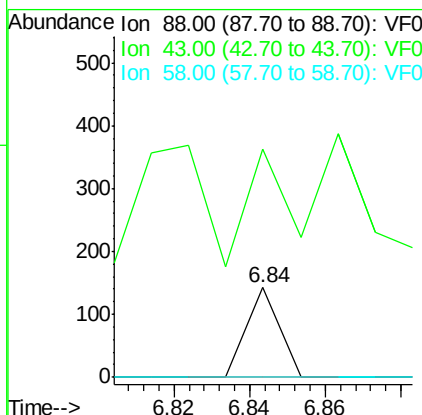
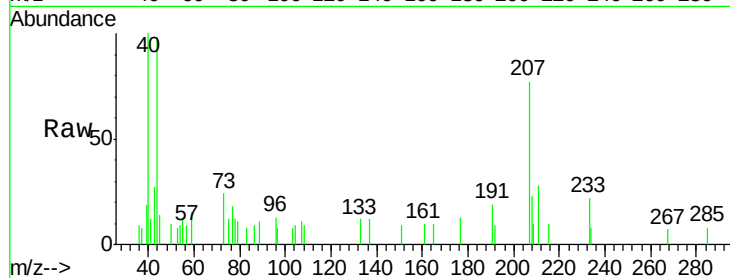




#49
1,4-Dioxane
Concen: 7.447 ug/l
RT: 6.84 min Scan# 640
Delta R.T. -0.04 min
Lab File: VF062325.D
Acq: 29 Apr 2019 21:00

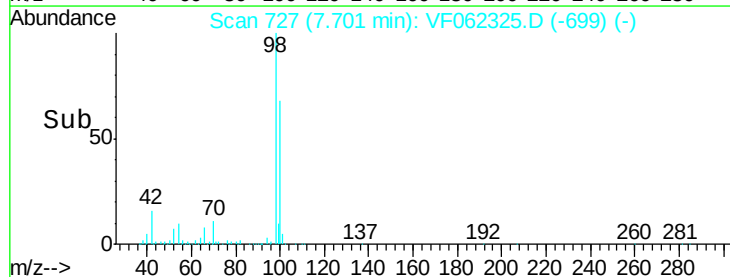
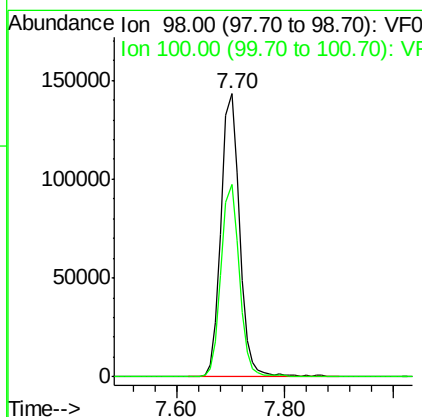
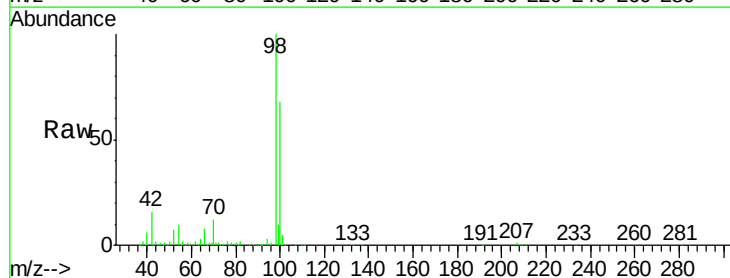
Instrument :
MSVOA_F
ClientSampled :

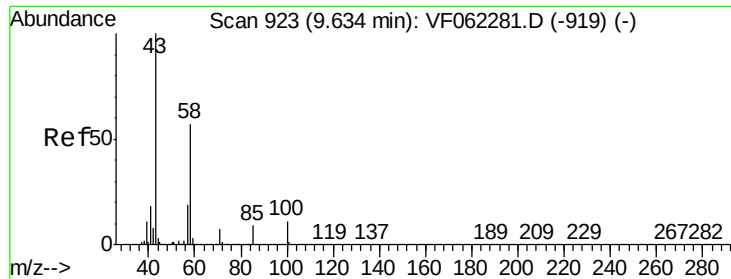
Tot Ion: 88 Resp: 84
Ion Ratio Lower Upper
88 100
43 264.3 34.2 51.4#
58 0.0 50.7 76.1#



#50
Toluene-d8
Concen: 54.532 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.02 min
Lab File: VF062325.D
Acq: 29 Apr 2019 21:00

Tgt Ion: 98 Resp: 340225
Ion Ratio Lower Upper
98 100
100 66.9 54.4 81.6

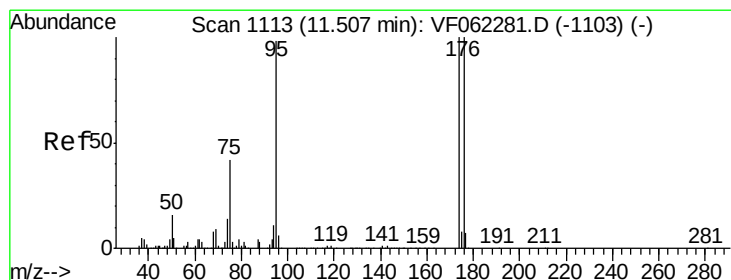
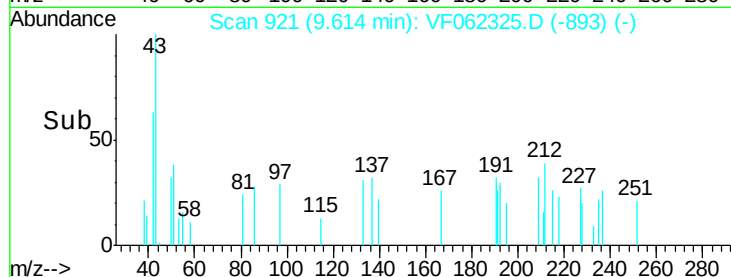
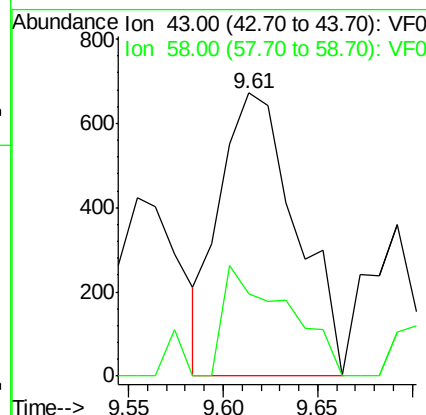
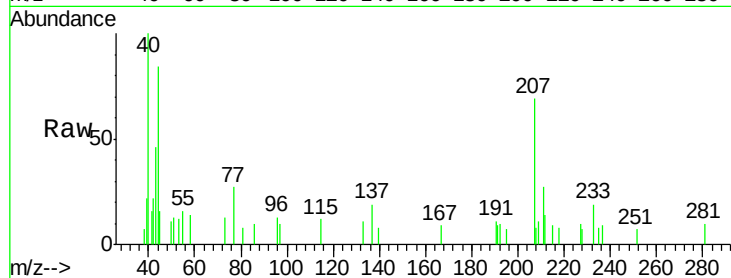




#59
2-Hexanone
Concen: Below Cal
RT: 9.61 min Scan# 921
Delta R.T. -0.02 min
Lab File: VF062325.D
Acq: 29 Apr 2019 21:00

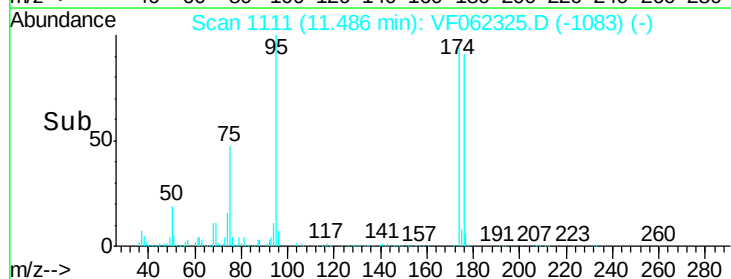
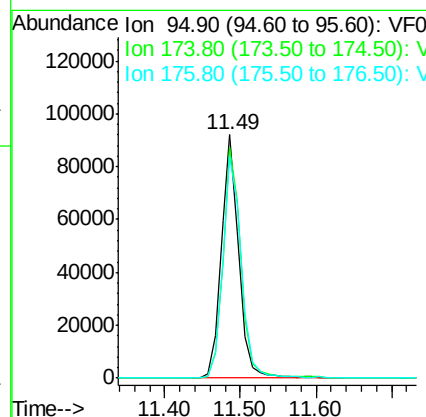
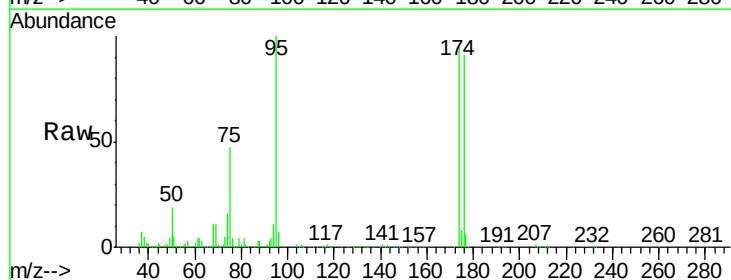
Instrument :
MSVOA_F
ClientSampleId :

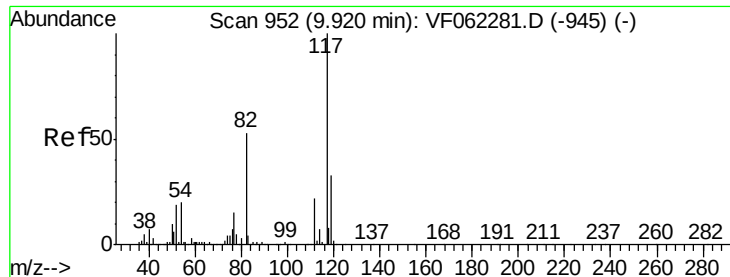
Tot Ion: 43 Resp: 1874
Ion Ratio Lower Upper
43 100
58 32.9 24.9 74.7



#62
4-Bromofluorobenzene
Concen: 58.333 ug/l
RT: 11.49 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VF062325.D
Acq: 29 Apr 2019 21:00

Tgt Ion: 95 Resp: 150011
Ion Ratio Lower Upper
95 100
174 97.1 0.0 185.2
176 96.4 0.0 184.8

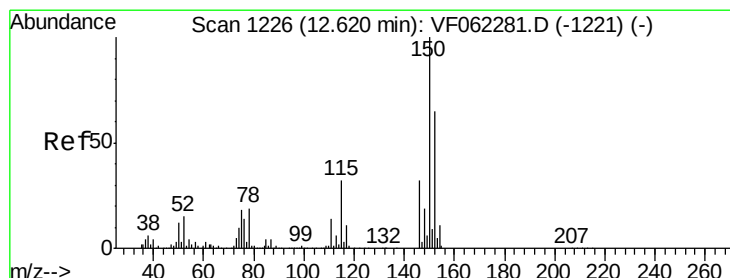
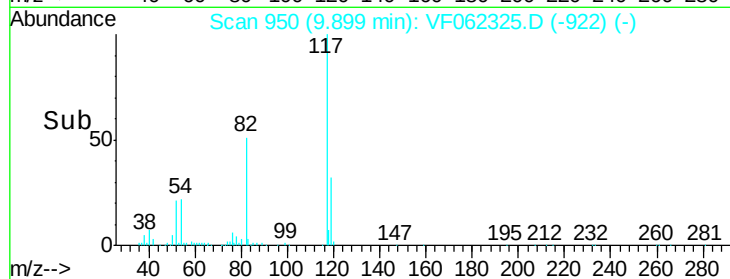
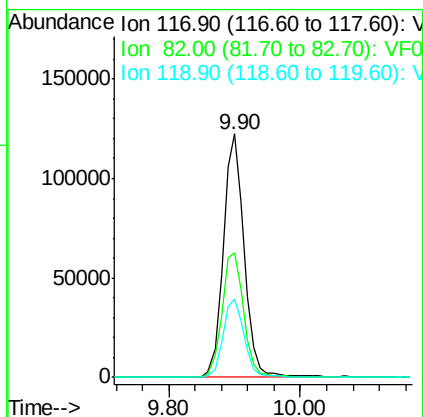
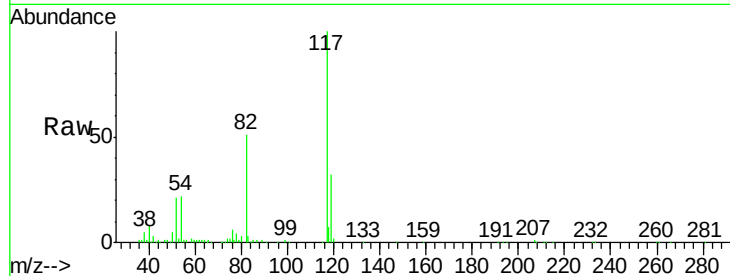




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 950
Delta R.T. -0.02 min
Lab File: VF062325.D
Acq: 29 Apr 2019 21:00

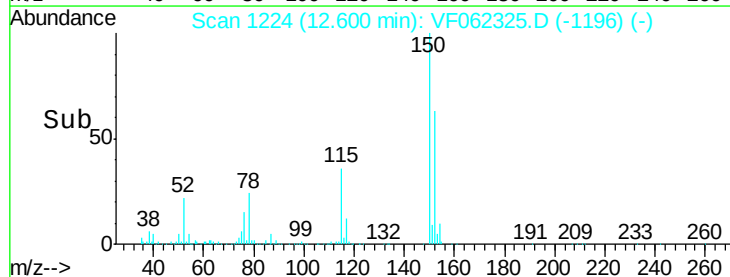
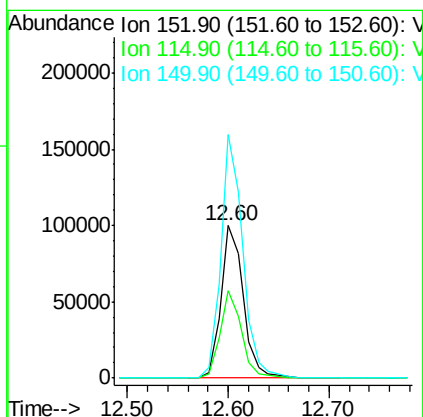
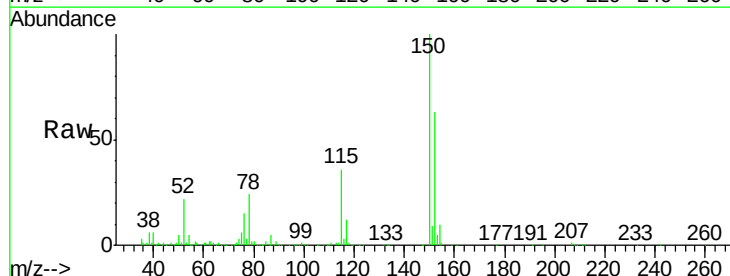
Instrument :
MSVOA_F
ClientSampleId :

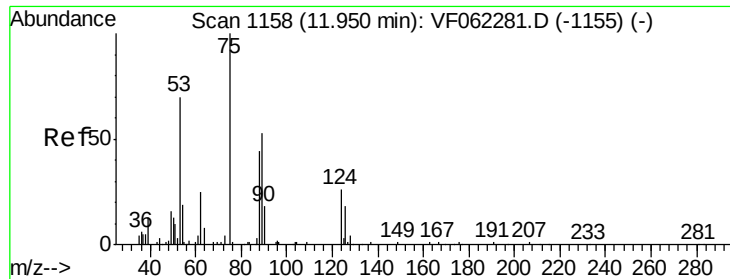
Tot Ion:117 Resp: 271156
Ion Ratio Lower Upper
117 100
82 51.4 42.6 64.0
119 31.9 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.60 min Scan# 1224
Delta R.T. -0.02 min
Lab File: VF062325.D
Acq: 29 Apr 2019 21:00

Tgt Ion:152 Resp: 154904
Ion Ratio Lower Upper
152 100
115 55.4 25.6 76.8
150 156.0 0.0 330.6





#81

trans-1,4-Dichloro-2-butene

Concen: 1.281 ug/l

RT: 11.95 min Scan# 1158

Delta R.T. -0.00 min

Lab File: VF062325.D

Acq: 29 Apr 2019 21:00

Instrument :

MSVOA_F

ClientSampleId :

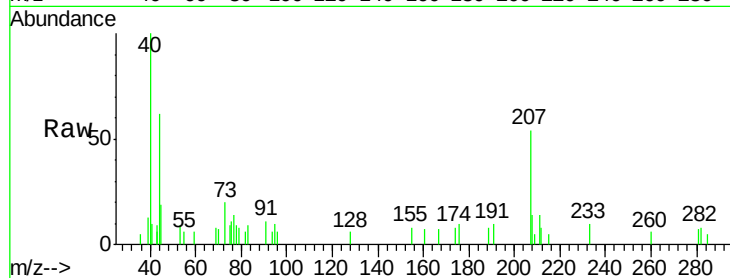
Tot Ion: 75 Resp: 685

Ion Ratio Lower Upper

75 100

53 27.4 67.1 100.7#

89 13.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 88.90 (88.60 to 89.60): VF0

