

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF030519\
 Data File : VF061851.D
 Acq On : 5 Mar 2019 18:03
 Operator : VA/AP
 Sample : K1712-15
 Misc : 6.13g/5mL/MSVOA-F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 Z-2-3

Quant Time: Mar 06 05:45:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 05 04:50:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	269733	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	421815	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	299311	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	107414	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.85	65	76546	38.97	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	77.94%	
35) Dibromofluoromethane	4.12	113	114111	38.76	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	77.52%	
50) Toluene-d8	7.55	98	268489	30.69	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	61.38%	
62) 4-Bromofluorobenzene	11.41	95	87201	25.44	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	50.88%	

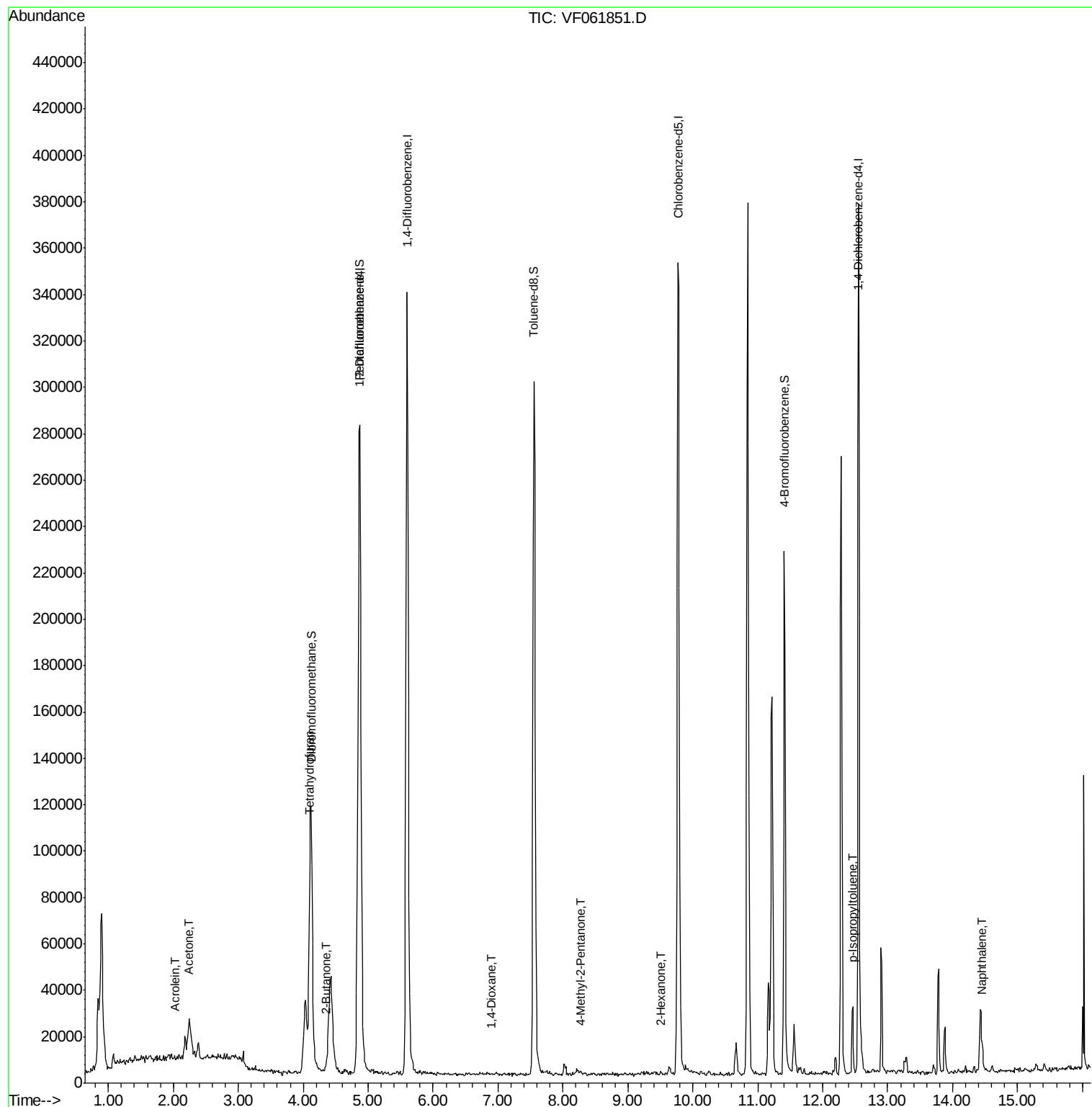
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	2.02	56	446	3.157	ug/l #	72
16) Acetone	2.24	43	17200	41.802	ug/l #	79
18) Methyl Acetate	2.39	43	4639	Below Cal	#	62
20) Methylene Chloride	2.18	84	4539	Below Cal		98
25) 2-Butanone	4.35	43	2197	2.625	ug/l	95
29) Tetrahydrofuran	4.09	42	1218	3.374	ug/l #	61
49) 1,4-Dioxane	6.90	88	60	5.031	ug/l #	1
51) 4-Methyl-2-Pentanone	8.27	43	1741	1.222	ug/l	100
59) 2-Hexanone	9.51	43	1126	1.095	ug/l	92
86) p-Isopropyltoluene	12.46	119	17610	2.525	ug/l	93
95) Naphthalene	14.46	128	5378	1.345	ug/l #	91

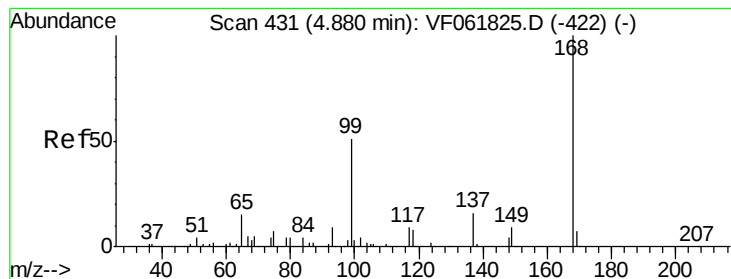
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF030519\
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Quant Title : SW846 8260
QLast Update : Tue Mar 05 04:50:44 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.01 min

Lab File: VF061851.D

Acq: 5 Mar 2019 18:03

Instrument :

MSVOA_F

ClientSampleId :

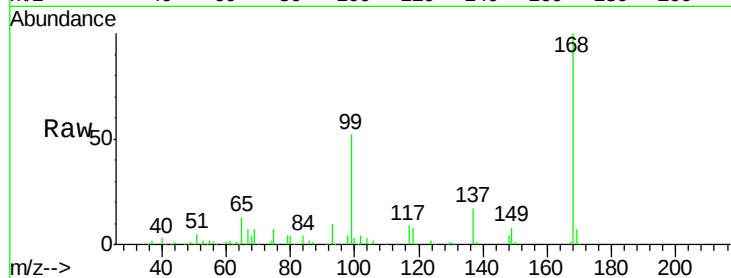
Z-2-3

Tot Ion:168 Resp: 269733

Ion Ratio Lower Upper

168 100

99 51.7 40.8 61.2



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

80000

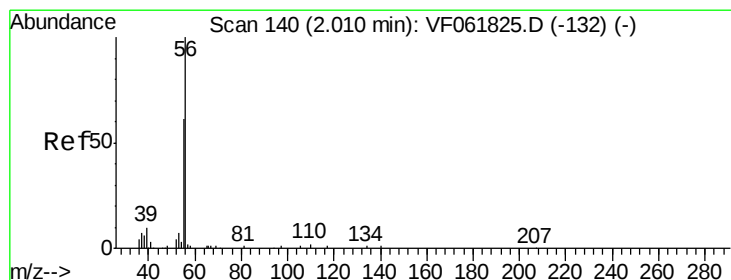
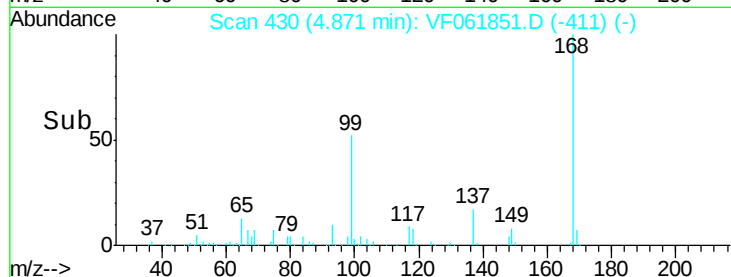
60000

40000

20000

0

Time--> 4.70 4.80 4.90 5.00 5.10



#13

Acrolein

Concen: 3.157 ug/l

RT: 2.02 min Scan# 141

Delta R.T. 0.01 min

Lab File: VF061851.D

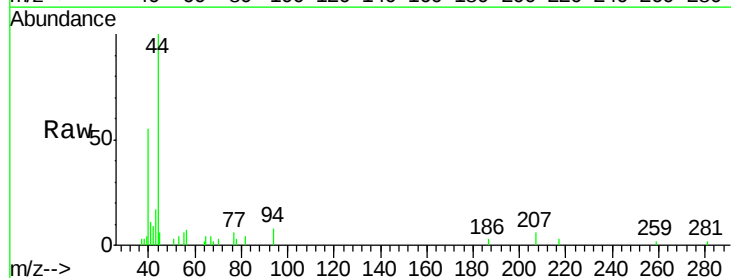
Acq: 5 Mar 2019 18:03

Tgt Ion: 56 Resp: 446

Ion Ratio Lower Upper

56 100

55 85.7 51.3 76.9#



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

2.02

400

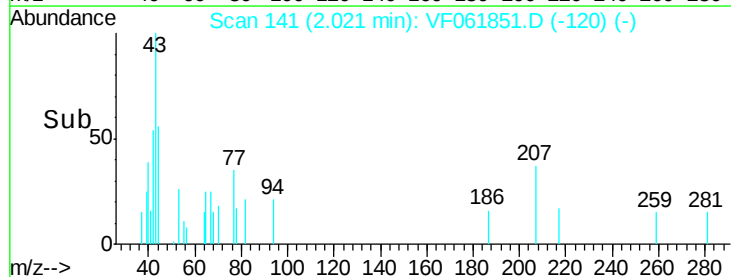
300

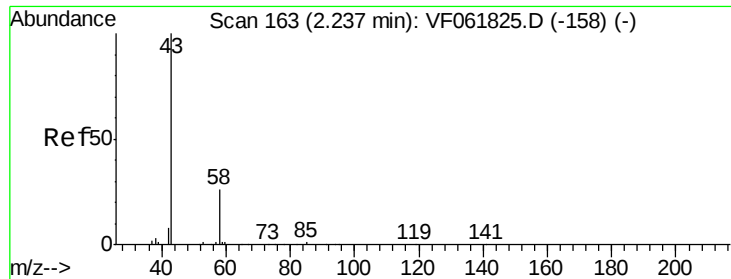
200

100

0

Time--> 1.98 2.00 2.02 2.04 2.06





#16

Acetone

Concen: 41.802 ug/l

RT: 2.24 min Scan# 163

Delta R.T. 0.00 min

Lab File: VF061851.D

Acq: 5 Mar 2019 18:03

Instrument :

MSVOA_F

ClientSampleId :

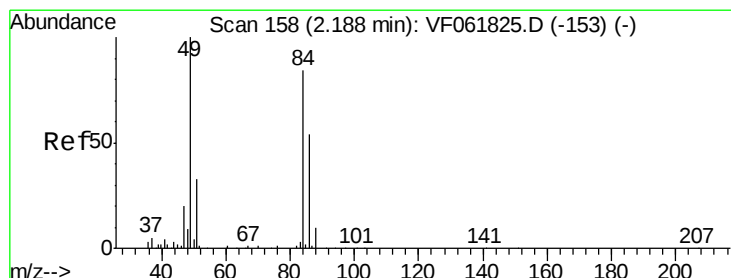
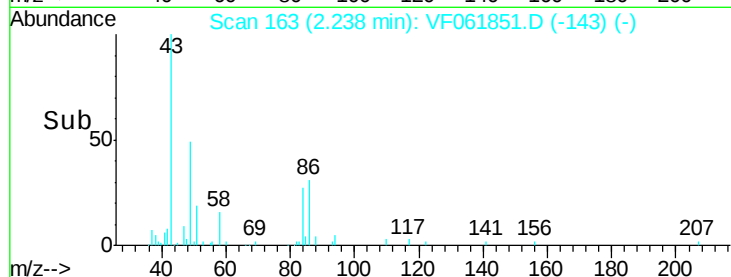
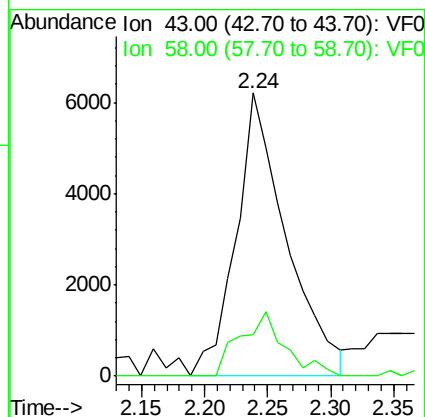
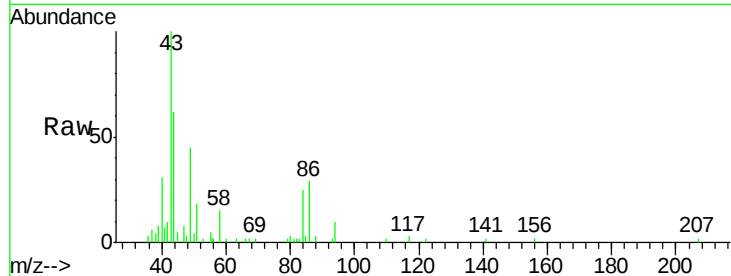
Z-2-3

Tot Ion: 43 Resp: 17200

Ion Ratio Lower Upper

43 100

58 14.6 20.3 30.5#



#20

Methylene Chloride

Concen: Below Cal

RT: 2.18 min Scan# 157

Delta R.T. -0.01 min

Lab File: VF061851.D

Acq: 5 Mar 2019 18:03

Tgt Ion: 84 Resp: 4539

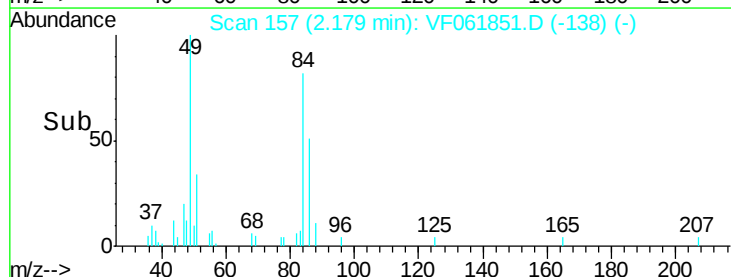
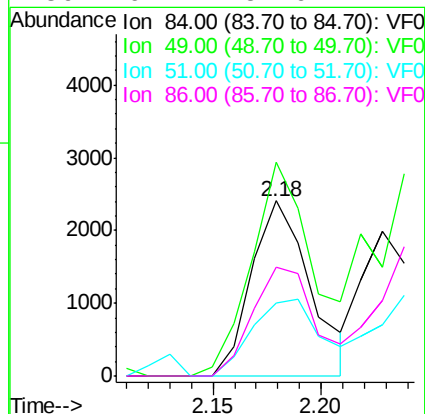
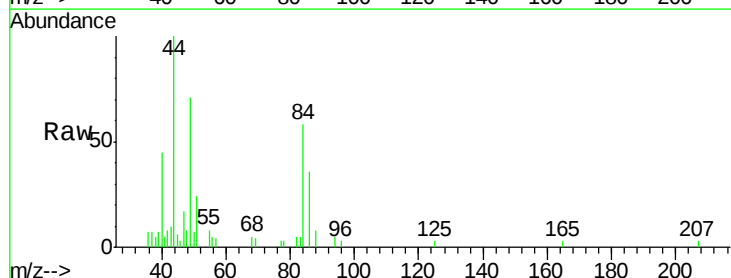
Ion Ratio Lower Upper

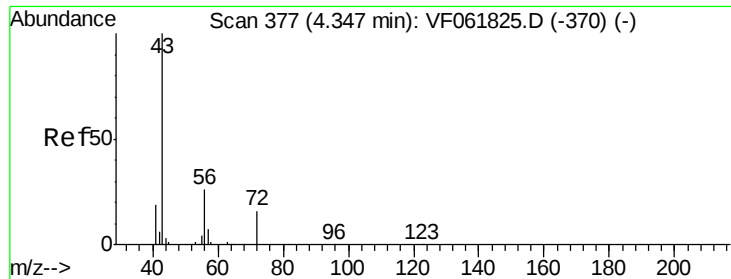
84 100

49 122.2 96.8 145.2

51 41.9 31.8 47.6

86 62.4 51.6 77.4





#25

2-Butanone

Concen: 2.625 ug/l

RT: 4.35 min Scan# 377

Delta R.T. 0.00 min

Lab File: VF061851.D

Acq: 5 Mar 2019 18:03

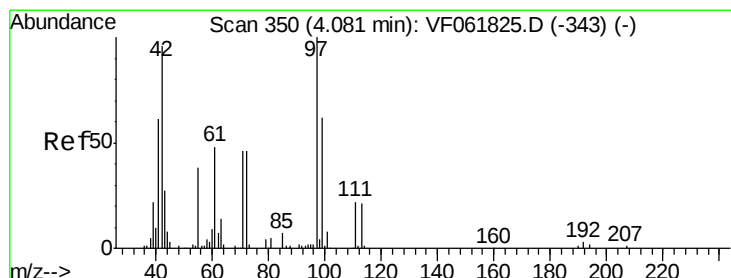
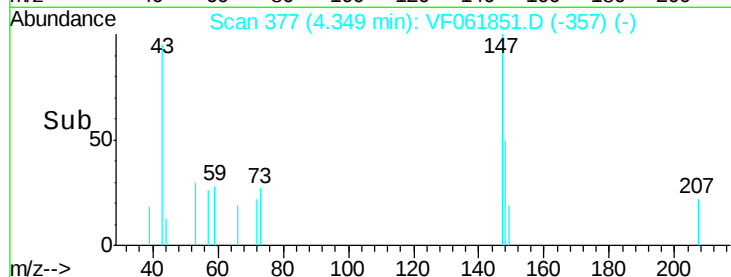
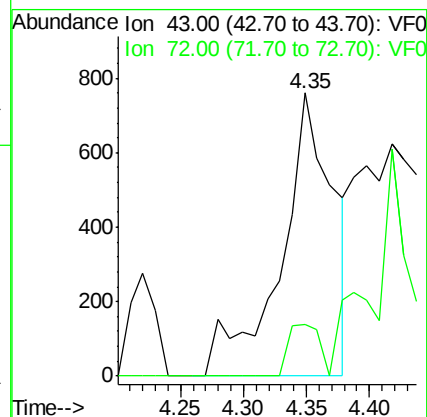
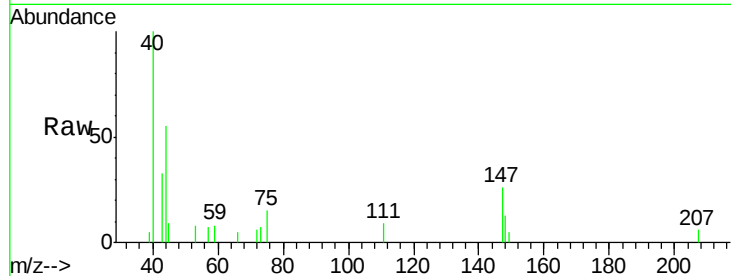
Instrument :
MSVOA_F
ClientSampleId :
Z-2-3

Tot Ion: 43 Resp: 2197

Ion Ratio Lower Upper

43 100

72 18.0 16.2 24.4



#29

Tetrahydrofuran

Concen: 3.374 ug/l

RT: 4.09 min Scan# 351

Delta R.T. 0.01 min

Lab File: VF061851.D

Acq: 5 Mar 2019 18:03

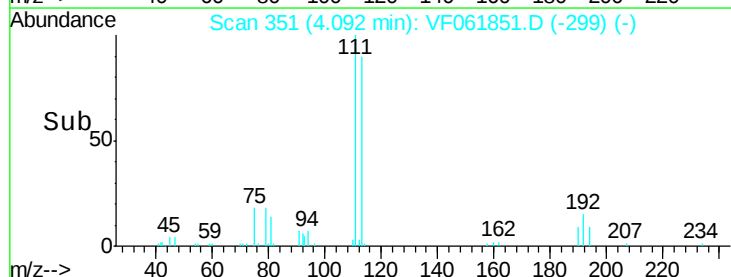
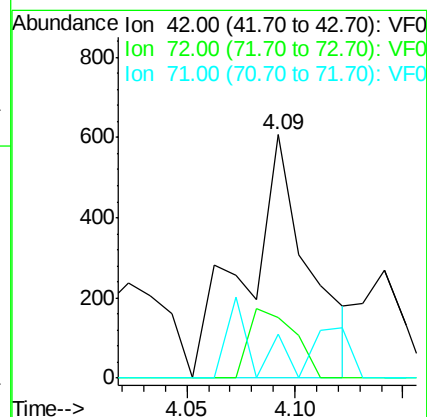
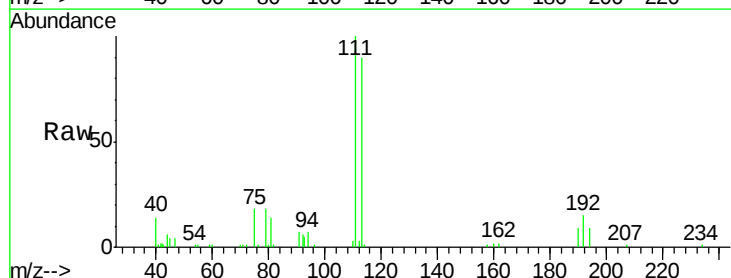
Tgt Ion: 42 Resp: 1218

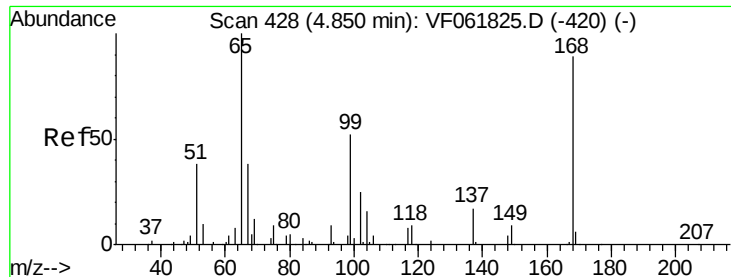
Ion Ratio Lower Upper

42 100

72 20.8 34.4 51.6#

71 15.2 34.6 52.0#





#33

1,2-Dichloroethane-d4

Concen: 38.968 ug/l

RT: 4.85 min Scan# 428

Delta R.T. 0.00 min

Lab File: VF061851.D

Acq: 5 Mar 2019 18:03

Instrument :

MSVOA_F

ClientSampled :

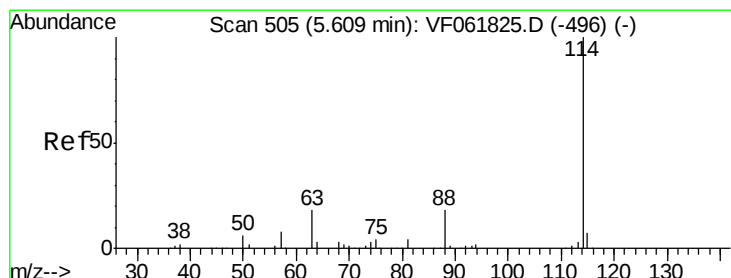
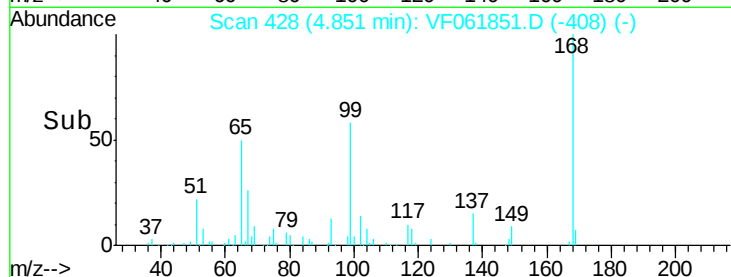
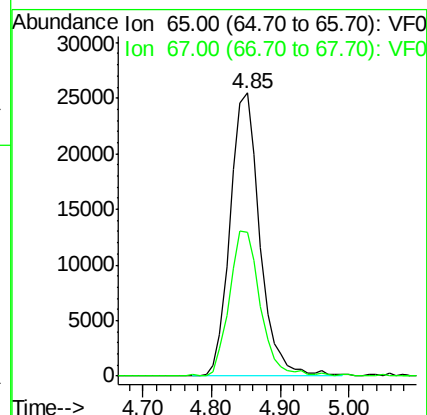
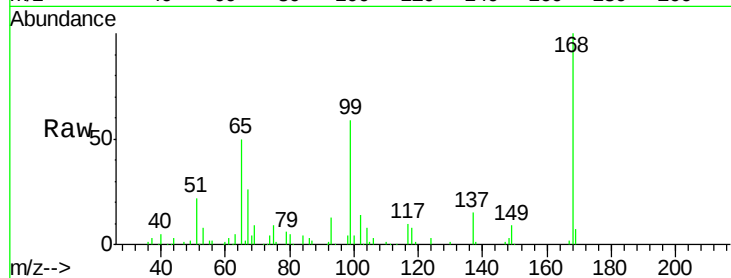
Z-2-3

Tot Ion: 65 Resp: 76546

Ion Ratio Lower Upper

65 100

67 50.6 0.0 108.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 504

Delta R.T. -0.01 min

Lab File: VF061851.D

Acq: 5 Mar 2019 18:03

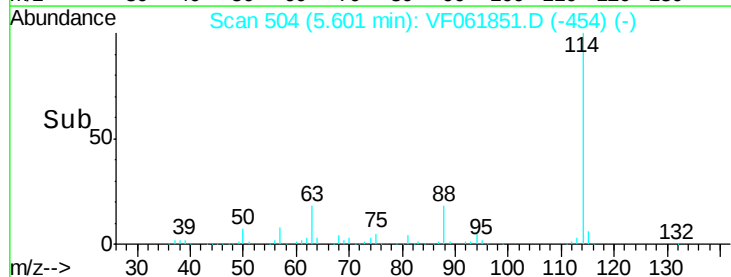
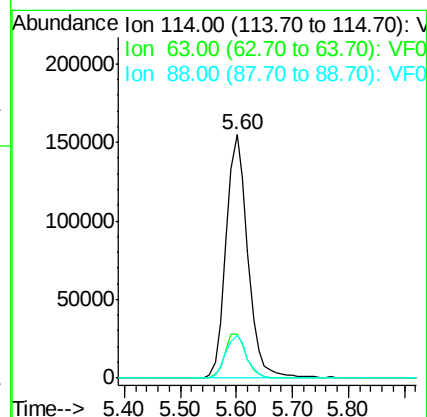
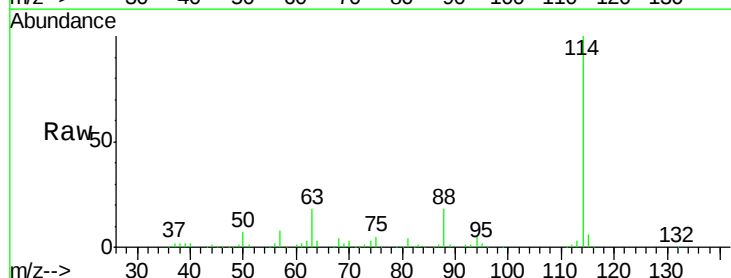
Tgt Ion: 114 Resp: 421815

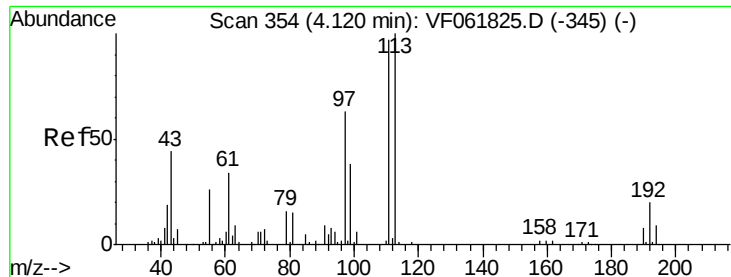
Ion Ratio Lower Upper

114 100

63 17.9 0.0 35.6

88 17.6 0.0 35.6

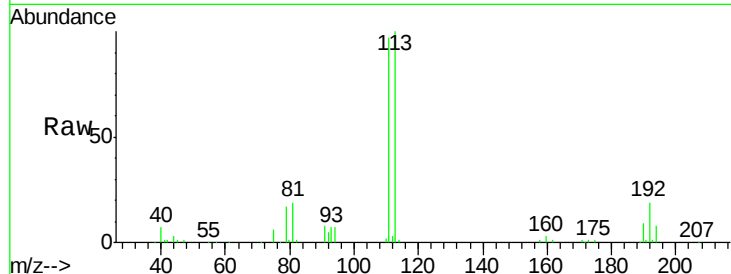




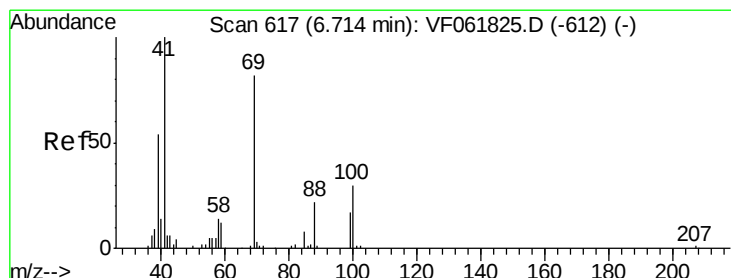
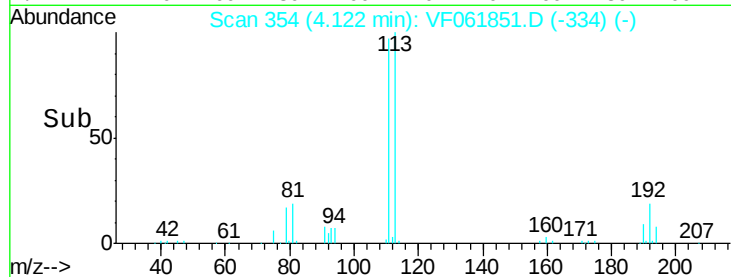
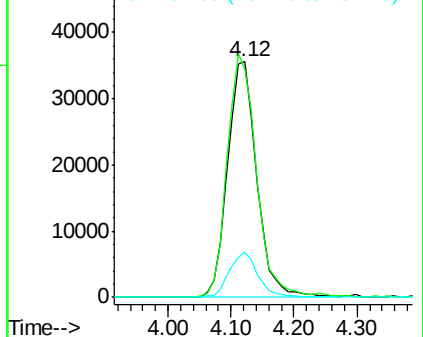
#35
 Dibromofluoromethane
 Concen: 38.764 ug/l
 RT: 4.12 min Scan# 354
 Delta R.T. 0.00 min
 Lab File: VF061851.D
 Acq: 5 Mar 2019 18:03

Instrument :
 MSVOA_F
 ClientSampleId :
 Z-2-3

Tot Ion:113 Resp: 114111
 Ion Ratio Lower Upper
 113 100
 111 97.0 77.6 116.4
 192 19.9 15.9 23.9

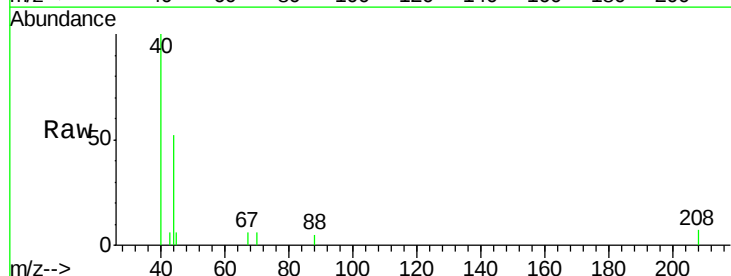


Abundance Ion 113.00 (112.70 to 113.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 192.00 (191.70 to 192.70): V

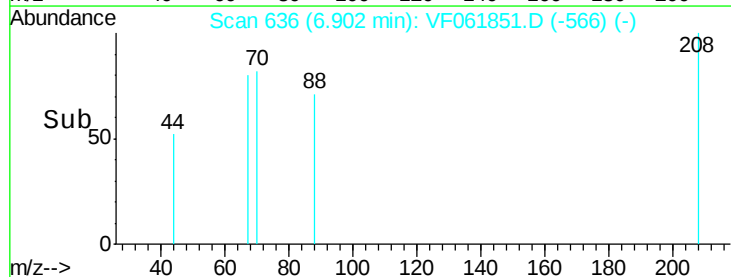
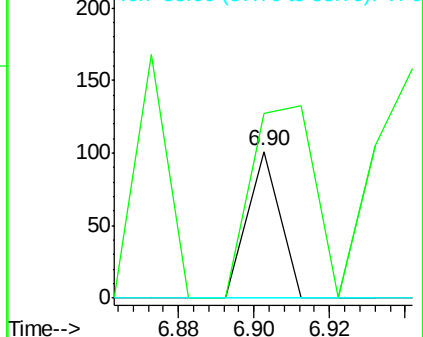


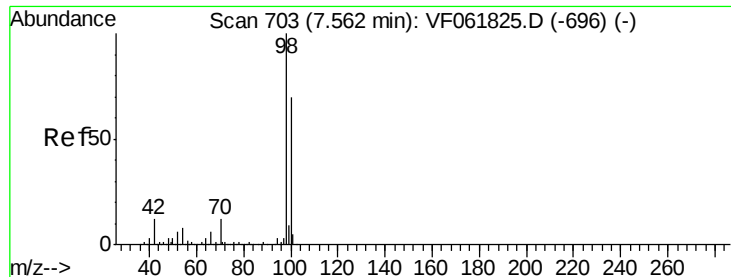
#49
 1,4-Dioxane
 Concen: 5.031 ug/l
 RT: 6.90 min Scan# 636
 Delta R.T. 0.19 min
 Lab File: VF061851.D
 Acq: 5 Mar 2019 18:03

Tgt Ion: 88 Resp: 60
 Ion Ratio Lower Upper
 88 100
 43 125.7 28.4 42.6#
 58 0.0 50.7 76.1#



Abundance Ion 88.00 (87.70 to 88.70): VF0
 Ion 43.00 (42.70 to 43.70): VF0
 Ion 58.00 (57.70 to 58.70): VF0





#50

Toluene-d8

Concen: 30.686 ug/l

RT: 7.55 min Scan# 702

Delta R.T. -0.01 min

Lab File: VF061851.D

Acq: 5 Mar 2019 18:03

Instrument :

MSVOA_F

ClientSampleId :

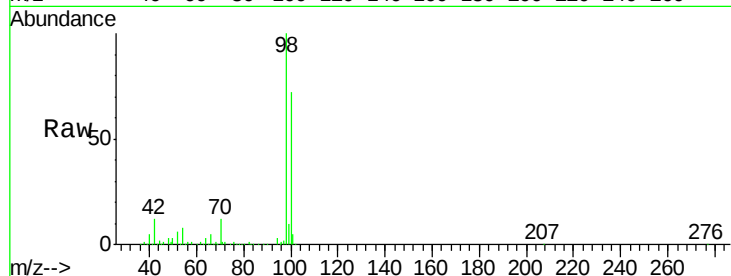
Z-2-3

Tot Ion: 98 Resp: 268489

Ion Ratio Lower Upper

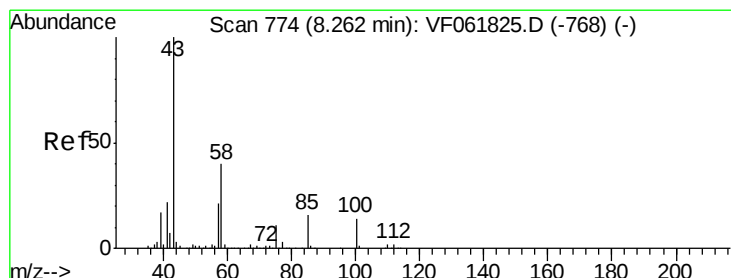
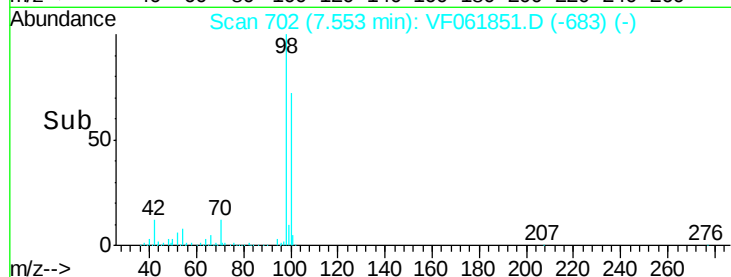
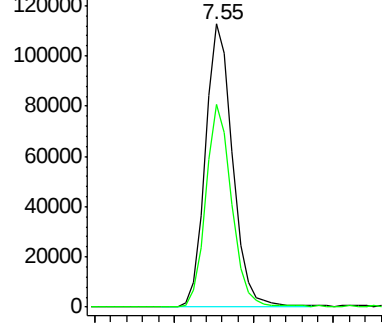
98 100

100 71.7 56.0 84.0



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



#51

4-Methyl-2-Pentanone

Concen: 1.222 ug/l

RT: 8.27 min Scan# 775

Delta R.T. 0.01 min

Lab File: VF061851.D

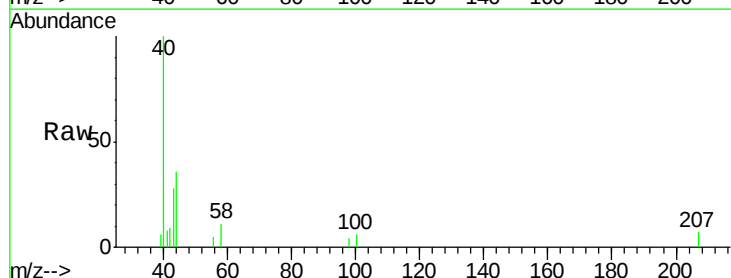
Acq: 5 Mar 2019 18:03

Tgt Ion: 43 Resp: 1741

Ion Ratio Lower Upper

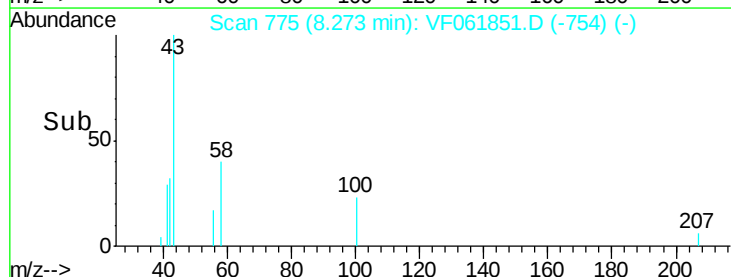
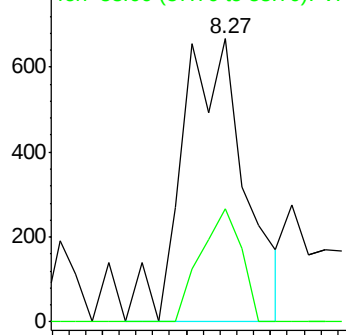
43 100

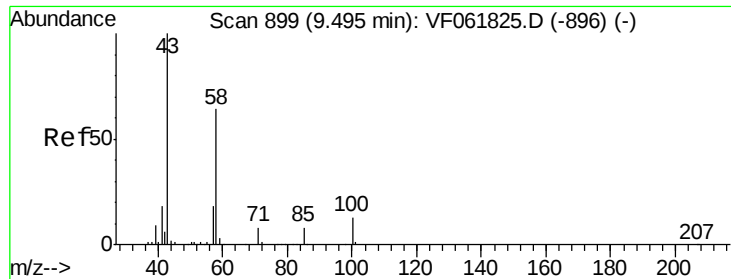
58 39.9 31.8 47.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#59

2-Hexanone

Concen: 1.095 ug/l

RT: 9.51 min Scan# 900

Delta R.T. 0.01 min

Lab File: VF061851.D

Acq: 5 Mar 2019 18:03

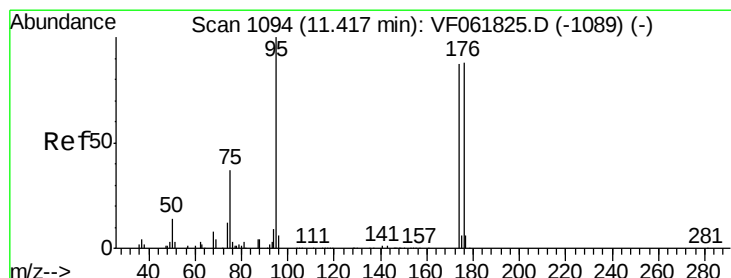
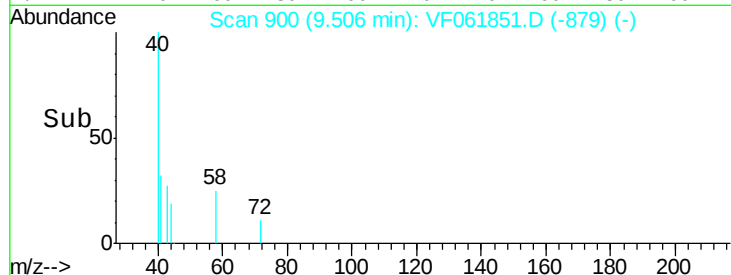
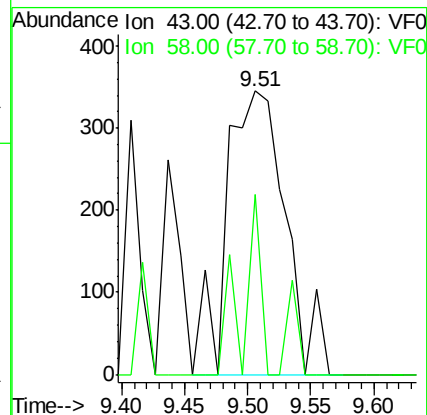
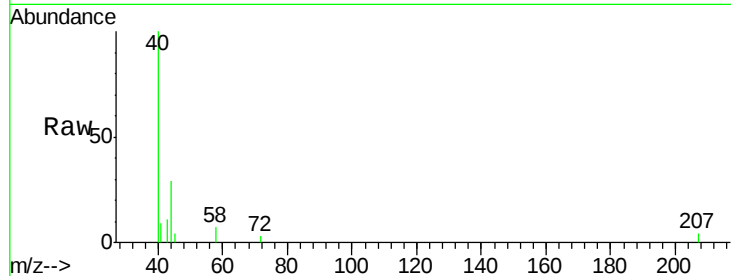
Instrument :
MSVOA_F
ClientSampleId :
Z-2-3

Tot Ion: 43 Resp: 1126

Ion Ratio Lower Upper

43 100

58 63.5 28.8 86.4



#62

4-Bromofluorobenzene

Concen: 25.442 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.01 min

Lab File: VF061851.D

Acq: 5 Mar 2019 18:03

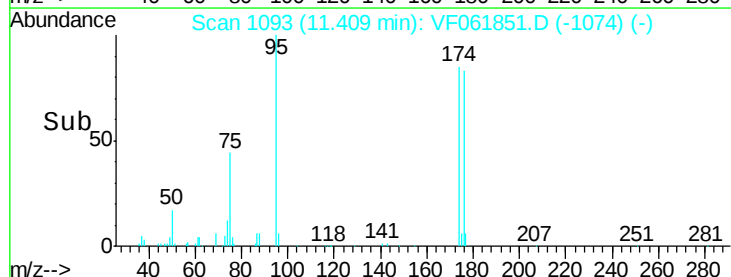
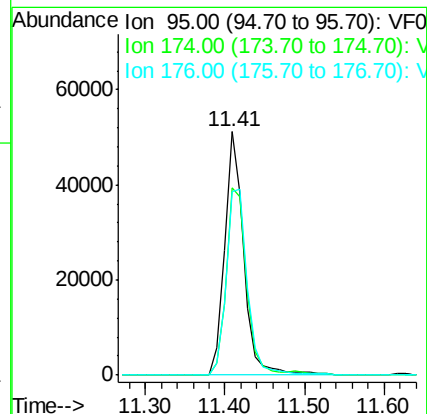
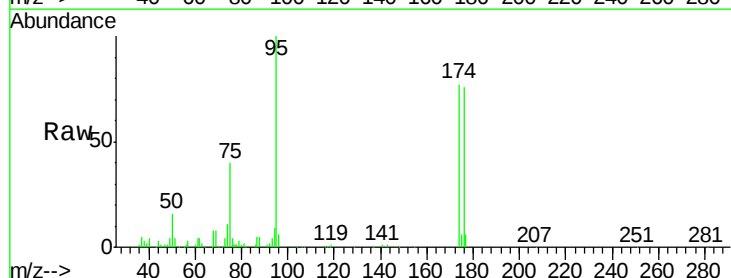
Tgt Ion: 95 Resp: 87201

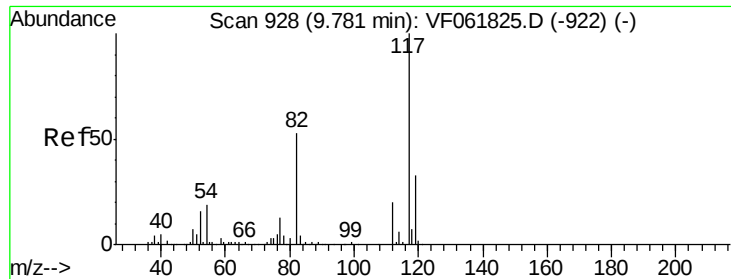
Ion Ratio Lower Upper

95 100

174 77.1 0.0 174.0

176 75.5 0.0 175.2

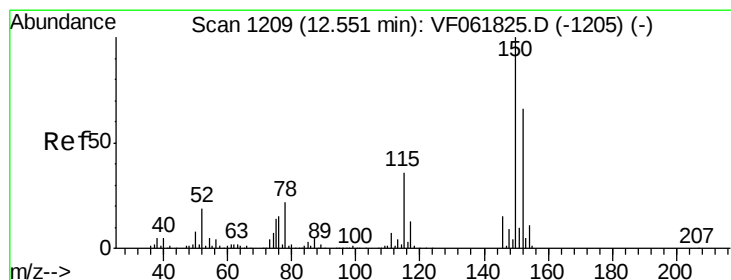
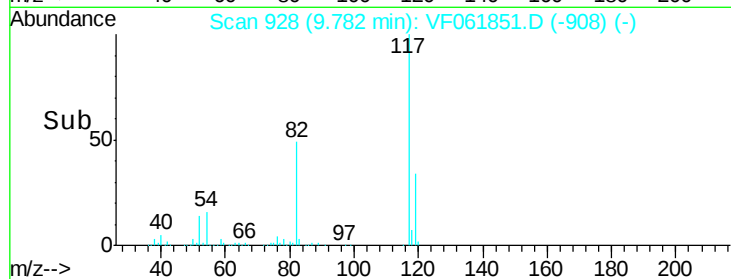
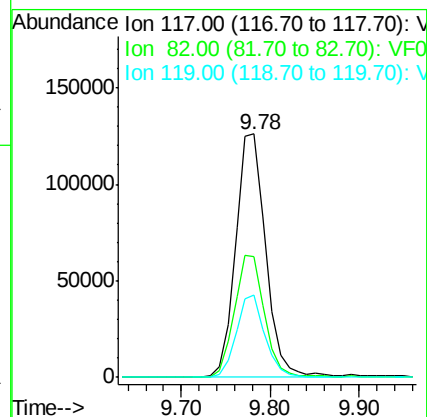
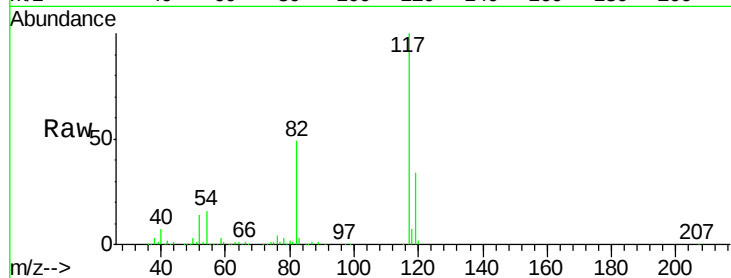




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. 0.00 min
Lab File: VF061851.D
Acq: 5 Mar 2019 18:03

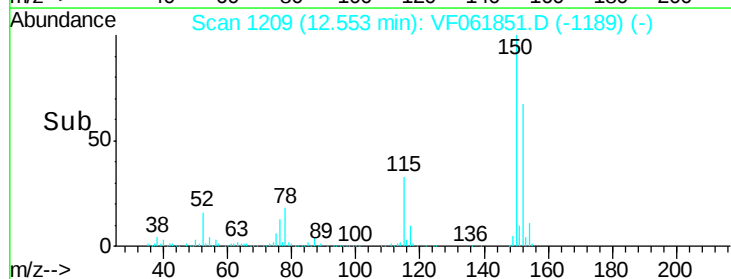
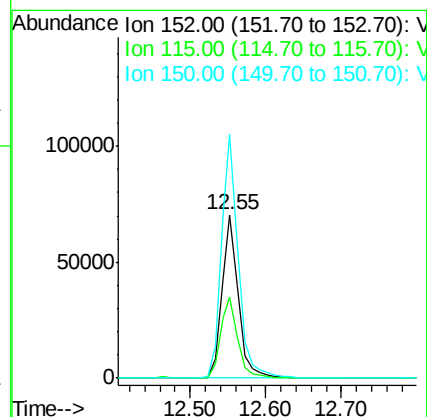
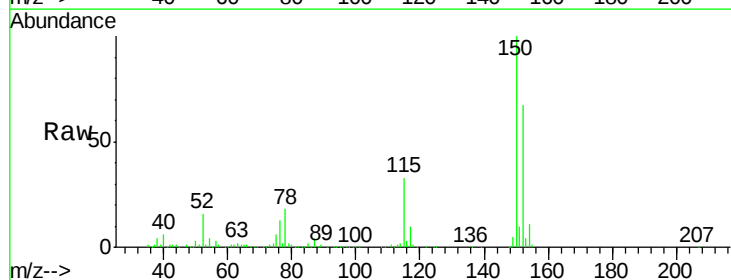
Instrument :
MSVOA_F
ClientSampleId :
Z-2-3

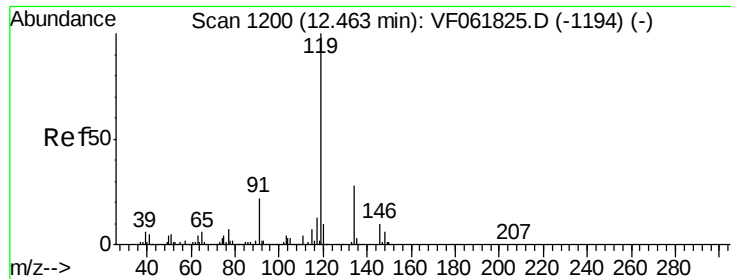
Tot Ion	Ratio	Lower	Upper
117	100		
82	49.5	42.6	63.8
119	34.0	26.0	39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. 0.00 min
Lab File: VF061851.D
Acq: 5 Mar 2019 18:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	49.9	27.7	83.1
150	149.2	0.0	304.2

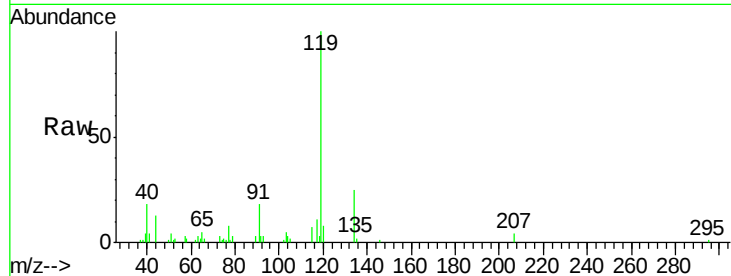




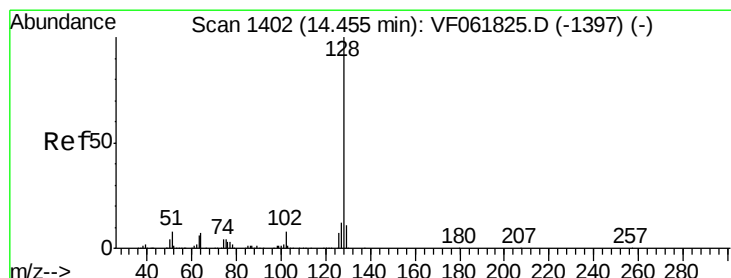
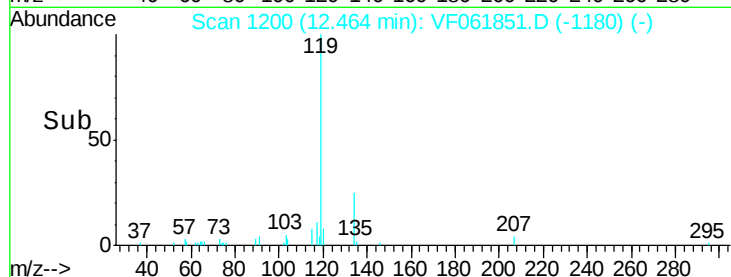
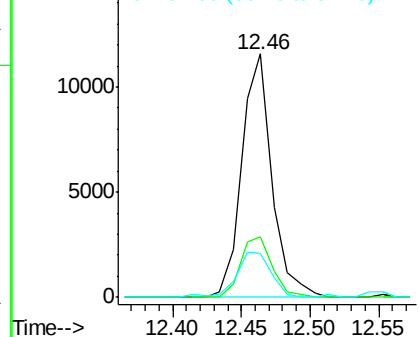
#86
 p-Isopropyltoluene
 Concen: 2.525 ug/l
 RT: 12.46 min Scan# 1200
 Delta R.T. 0.00 min
 Lab File: VF061851.D
 Acq: 5 Mar 2019 18:03

Instrument :
 MSVOA_F
 ClientSampleId :
 Z-2-3

Tot Ion	Ratio	Lower	Upper
119	100		
134	24.9	14.0	42.0
91	17.9	11.1	33.3

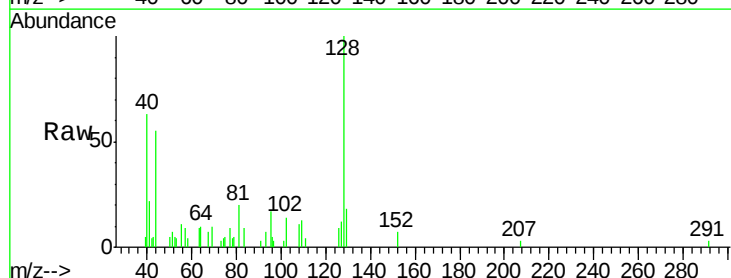


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V



#95
 Naphthalene
 Concen: 1.345 ug/l
 RT: 14.46 min Scan# 1402
 Delta R.T. 0.00 min
 Lab File: VF061851.D
 Acq: 5 Mar 2019 18:03

Tgt Ion	Ratio	Lower	Upper
128	100		
127	11.6	9.3	13.9
129	18.0	8.8	13.2#



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

