

Data File : VF061321.D
Acq On : 10 Jan 2019 2:43
Operator : VA/AP
Sample : K1082-29RE
Misc : 5.13g/5mL/MSVOA-F/SOIL
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
SP-1-3

Quant Time: Jan 10 06:05:04 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 09 07:13:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	186840	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.61	114	338032	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.79	117	290379	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	136004	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.86	65	121387	58.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.74%	
35) Dibromofluoromethane	4.13	113	139634	53.99	ug/l	0.01
Spiked Amount	50.000		Recovery	=	107.98%	
50) Toluene-d8	7.56	98	325098	42.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.94%	
62) 4-Bromofluorobenzene	11.42	95	150204	44.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.88%	

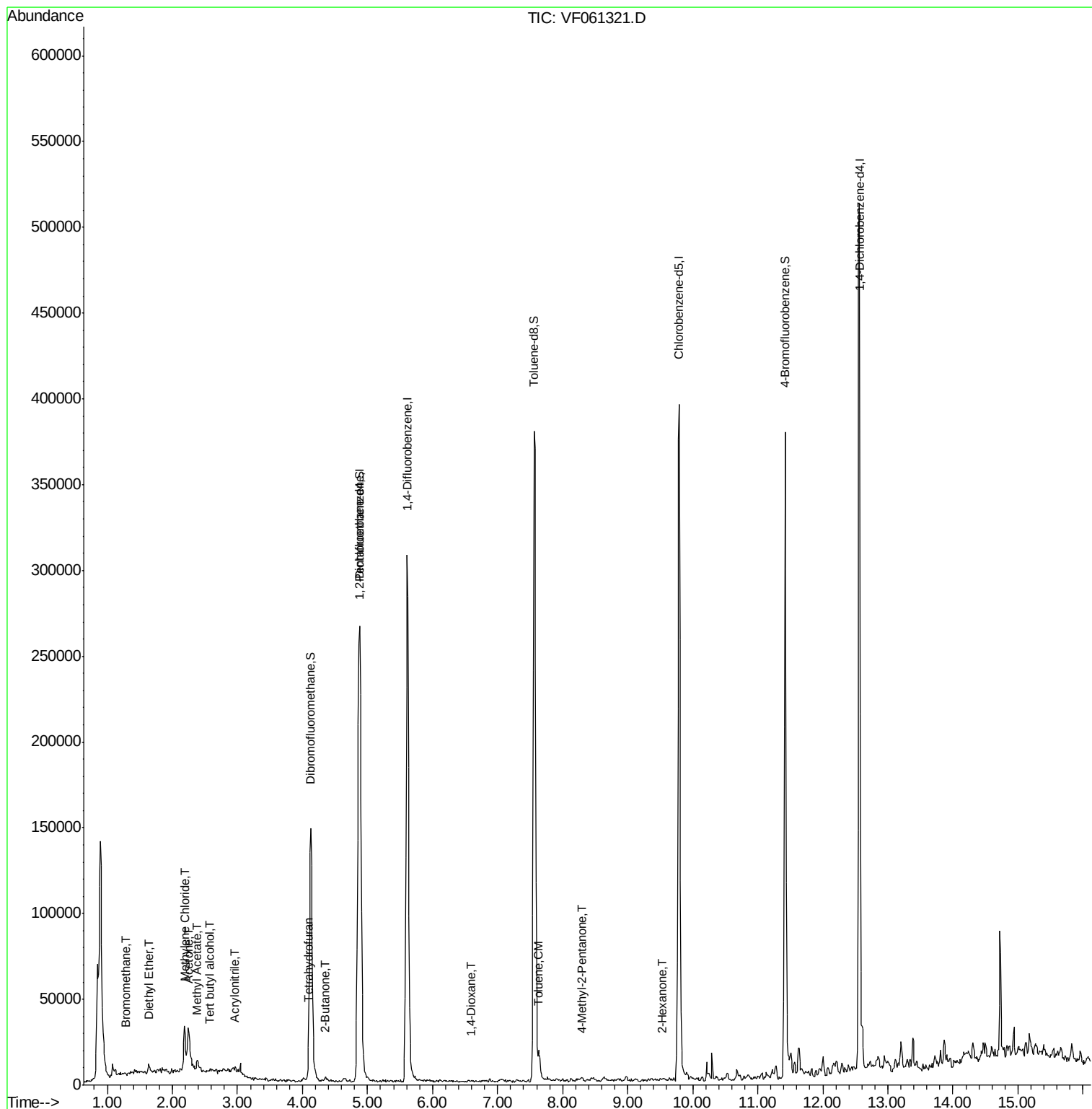
Target Compounds				Qvalue		
5) Bromomethane	1.28	94	377	3.063	ug/l #	6
8) Diethyl Ether	1.63	74	1770	2.592	ug/l	100
11) Tert butyl alcohol	2.58	59	231	2.774	ug/l #	1
13) Acrolein	1.99	56	614	Below Cal		85
15) Acrylonitrile	2.97	53	824	2.792	ug/l #	43
16) Acetone	2.25	43	23041	47.627	ug/l	98
18) Methyl Acetate	2.38	43	3326	3.494	ug/l #	65
20) Methylene Chloride	2.19	84	10050	4.910	ug/l	89
25) 2-Butanone	4.36	43	5264	6.761	ug/l #	91
29) Tetrahydrofuran	4.08	42	561	1.723	ug/l #	45
49) 1,4-Dioxane	6.59	88	62	7.976	ug/l #	1
51) 4-Methyl-2-Pentanone	8.30	43	2317	1.617	ug/l #	38
52) Toluene	7.63	92	6445	1.088	ug/l	93
59) 2-Hexanone	9.52	43	1907	1.879	ug/l #	27

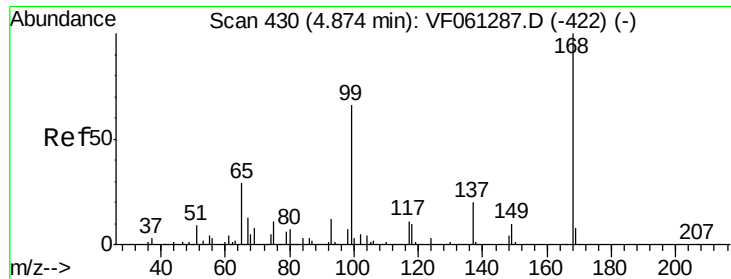
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VF061321.D
Acq On : 10 Jan 2019 2:43
Operator : VA/AP
Sample : K1082-29RE
Misc : 5.13g/5mL/MSVOA-F/SOIL
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
SP-1-3

Quant Time: Jan 10 06:05:04 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 09 07:13:51 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. 0.00 min

Lab File: VF061321.D

Acq: 10 Jan 2019 2:43

Instrument :

MSVOA_F

ClientSampleId :

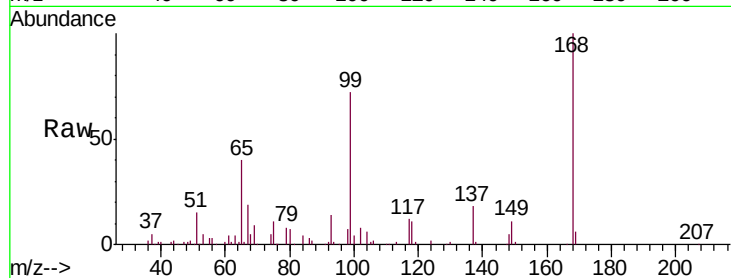
SP-1-3

Tgt Ion: 168 Resp: 186840

Ion Ratio Lower Upper

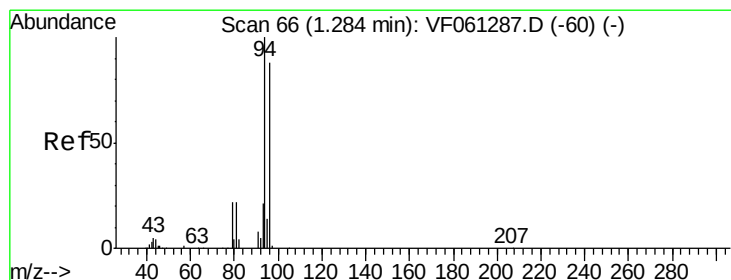
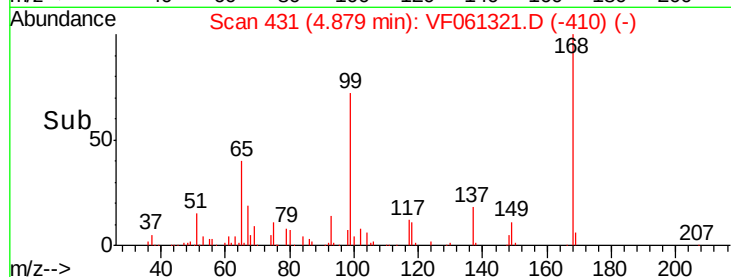
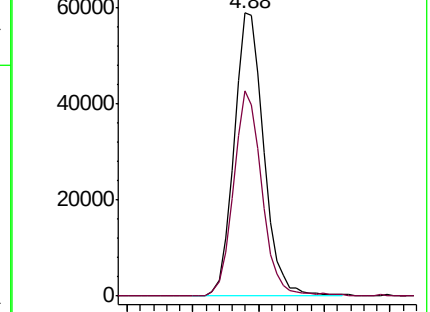
168 100

99 72.4 52.7 79.1



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#5

Bromomethane

Concen: 3.063 ug/l

RT: 1.28 min Scan# 66

Delta R.T. -0.00 min

Lab File: VF061321.D

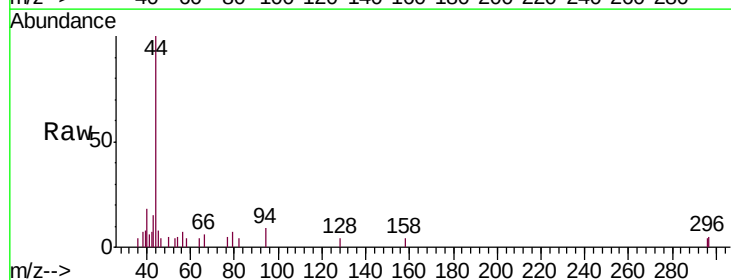
Acq: 10 Jan 2019 2:43

Tgt Ion: 94 Resp: 377

Ion Ratio Lower Upper

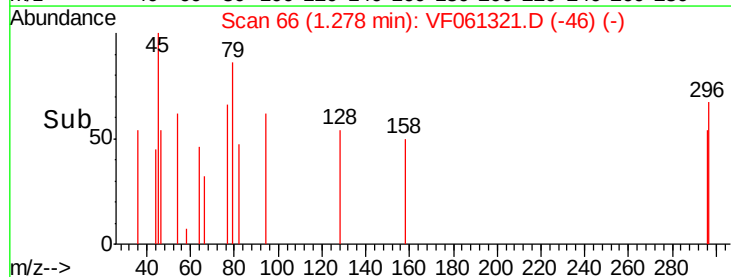
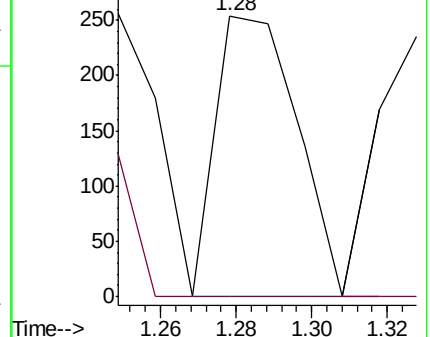
94 100

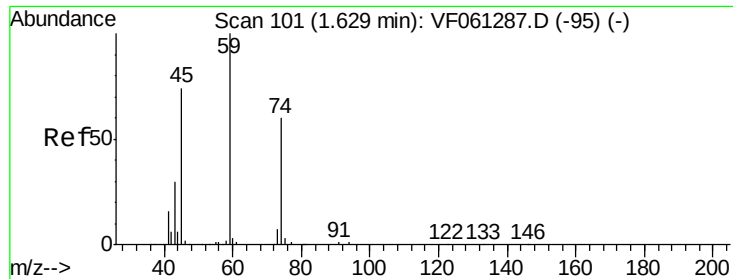
96 0.0 70.2 105.4#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0





#8

Diethyl Ether

Concen: 2.592 ug/l

RT: 1.63 min Scan# 102

Delta R.T. 0.00 min

Lab File: VF061321.D

Acq: 10 Jan 2019 2:43

Instrument :

MSVOA_F

ClientSampled :

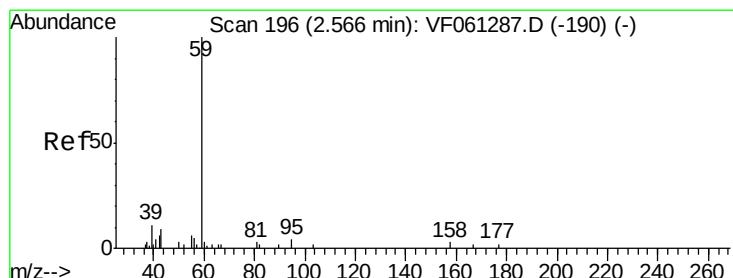
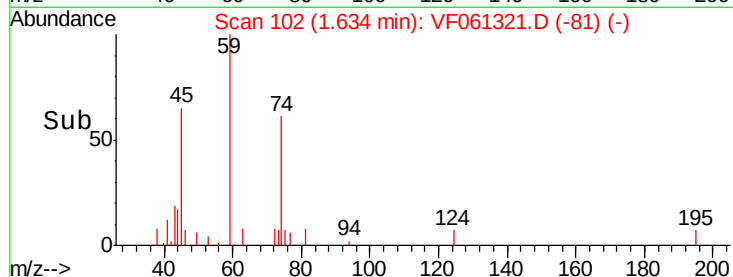
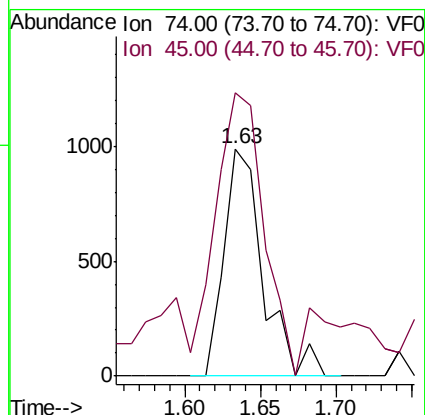
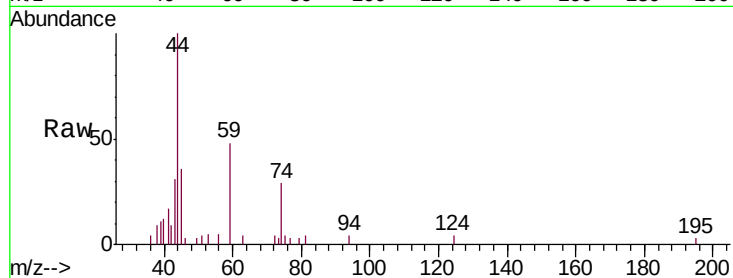
SP-1-3

Tgt Ion: 74 Resp: 1770

Ion Ratio Lower Upper

74 100

45 124.7 62.1 186.3



#11

Tert butyl alcohol

Concen: 2.774 ug/l

RT: 2.58 min Scan# 198

Delta R.T. 0.01 min

Lab File: VF061321.D

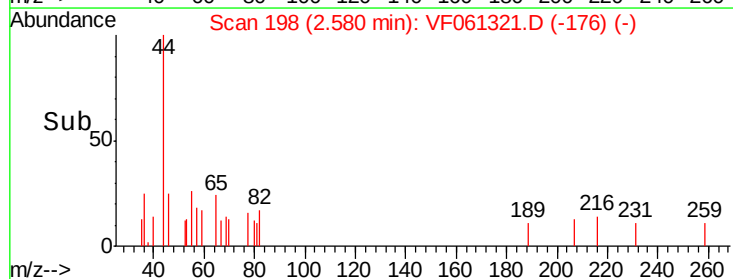
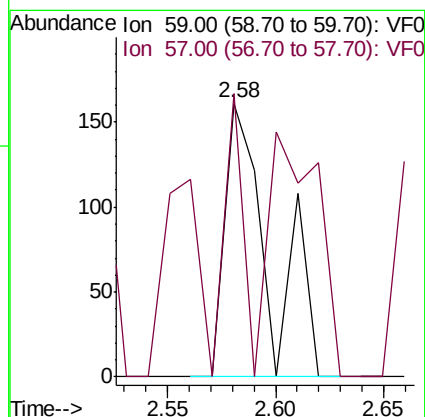
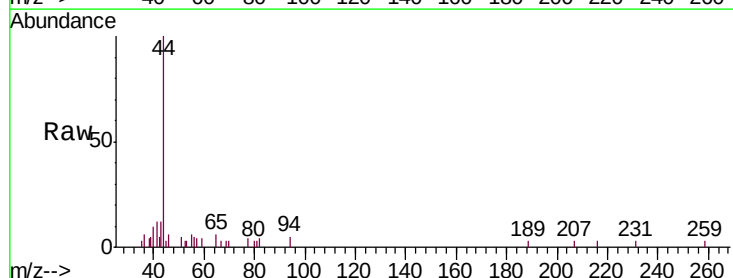
Acq: 10 Jan 2019 2:43

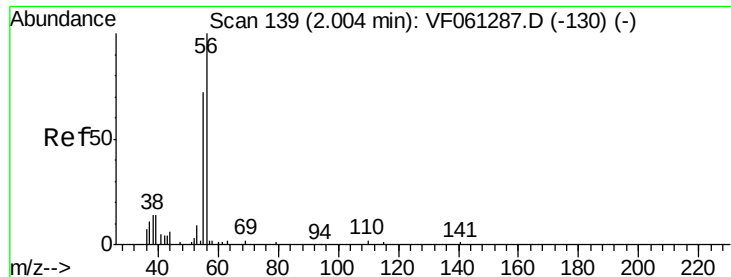
Tgt Ion: 59 Resp: 231

Ion Ratio Lower Upper

59 100

57 103.7 15.1 22.7#





#13

Acrolein

Concen: Below Cal

RT: 1.99 min Scan# 138

Delta R.T. -0.01 min

Lab File: VF061321.D

Acq: 10 Jan 2019 2:43

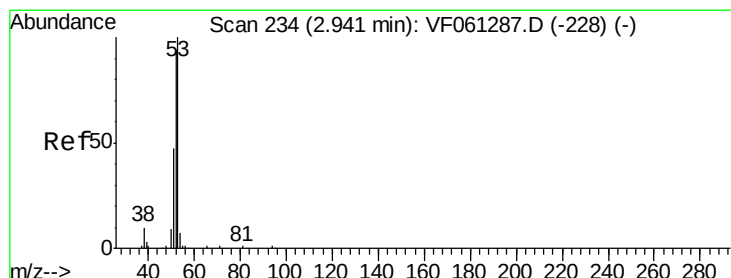
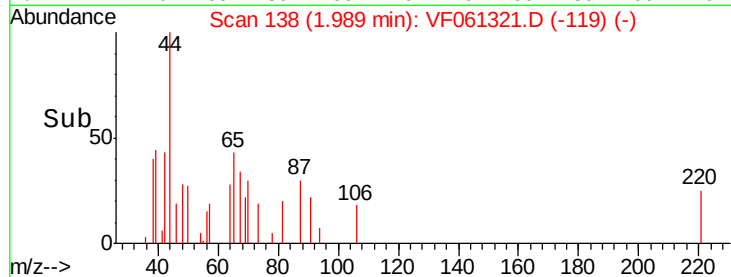
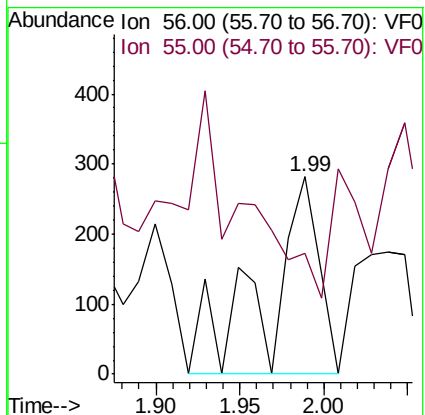
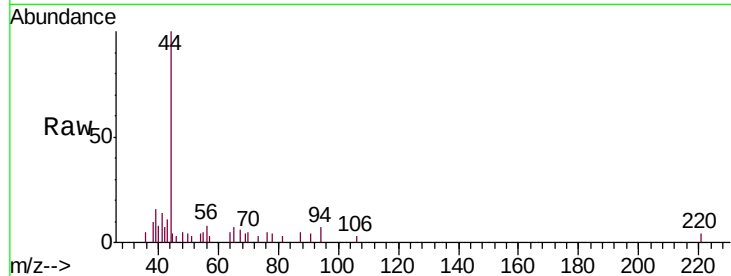
Instrument :
MSVOA_F
ClientSampleId :
SP-1-3

Tgt Ion: 56 Resp: 614

Ion Ratio Lower Upper

56 100

55 61.3 59.4 89.0



#15

Acrylonitrile

Concen: 2.792 ug/l

RT: 2.97 min Scan# 237

Delta R.T. 0.02 min

Lab File: VF061321.D

Acq: 10 Jan 2019 2:43

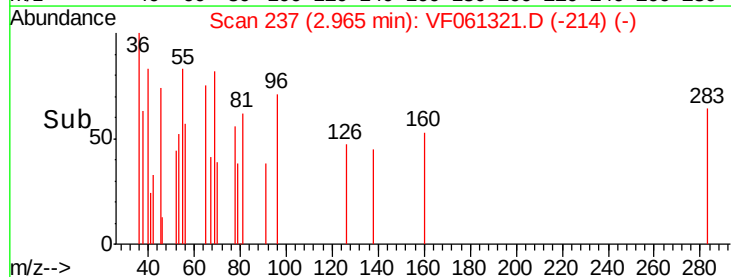
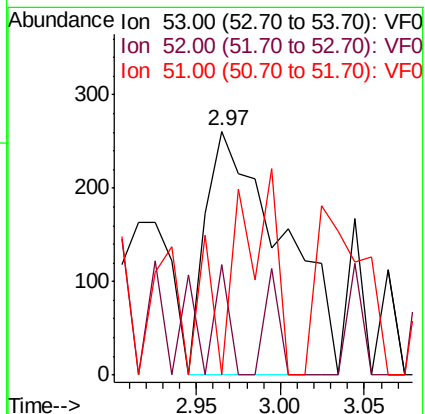
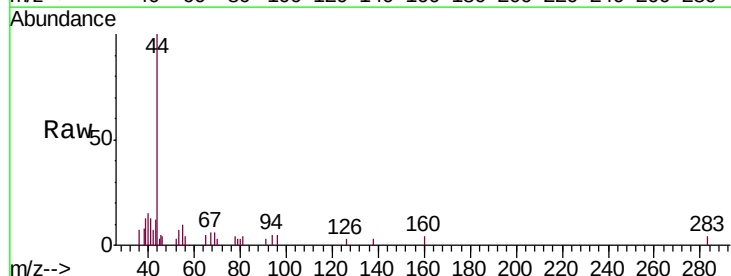
Tgt Ion: 53 Resp: 824

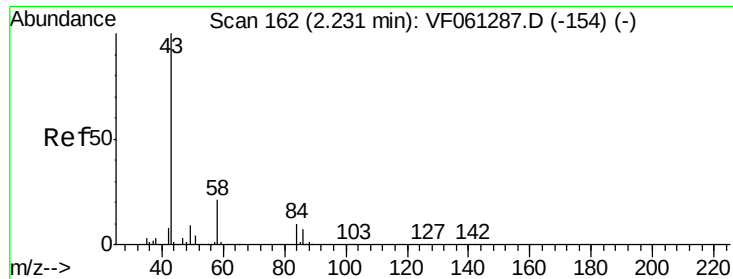
Ion Ratio Lower Upper

53 100

52 45.2 74.6 111.8#

51 0.0 37.8 56.6#





#16

Acetone

Concen: 47.627 ug/l

RT: 2.25 min Scan# 164

Delta R.T. 0.01 min

Lab File: VF061321.D

Acq: 10 Jan 2019 2:43

Instrument :

MSVOA_F

ClientSampleId :

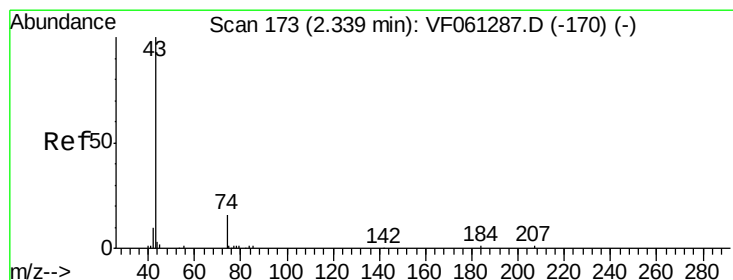
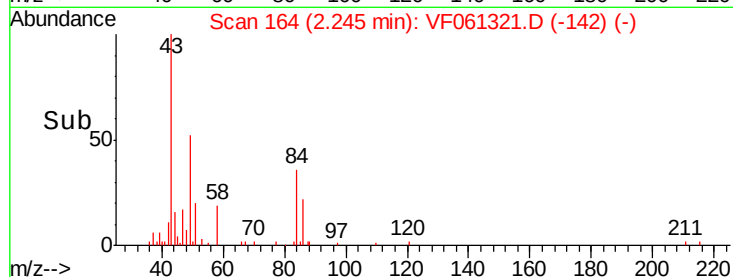
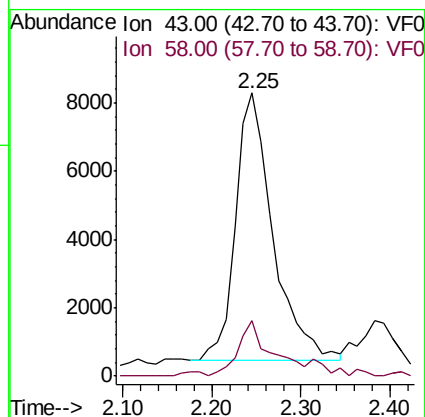
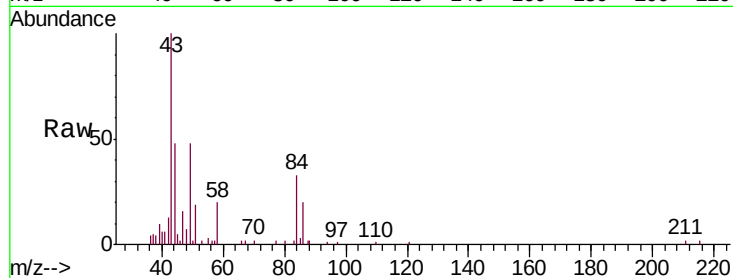
SP-1-3

Tgt Ion: 43 Resp: 23041

Ion Ratio Lower Upper

43 100

58 19.7 16.6 25.0



#18

Methyl Acetate

Concen: 3.494 ug/l

RT: 2.38 min Scan# 178

Delta R.T. 0.04 min

Lab File: VF061321.D

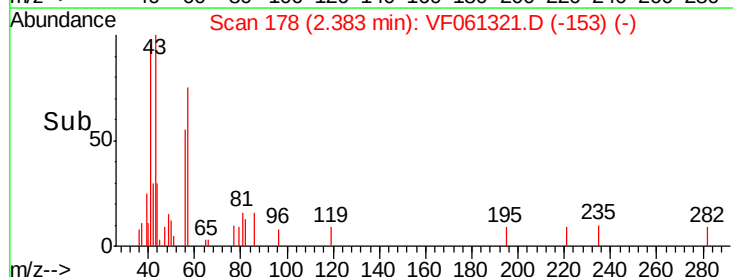
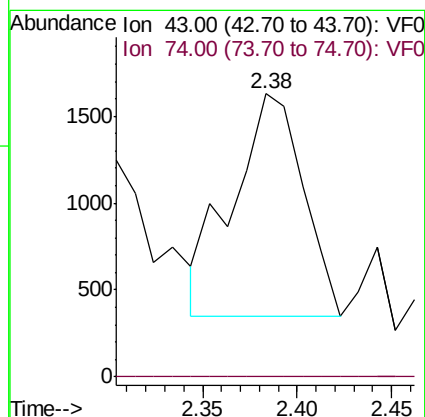
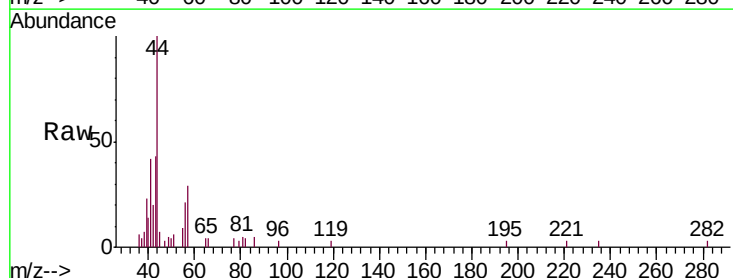
Acq: 10 Jan 2019 2:43

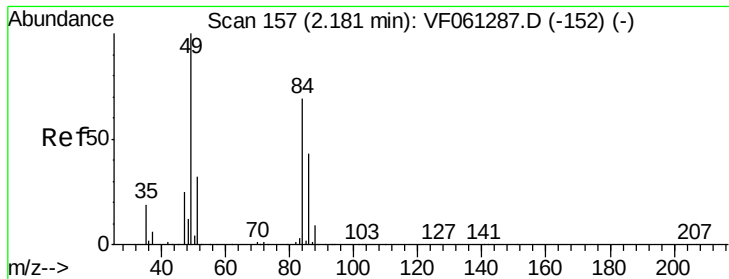
Tgt Ion: 43 Resp: 3326

Ion Ratio Lower Upper

43 100

74 0.0 11.6 17.4#

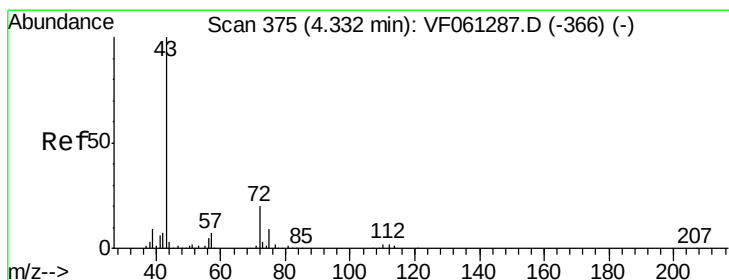
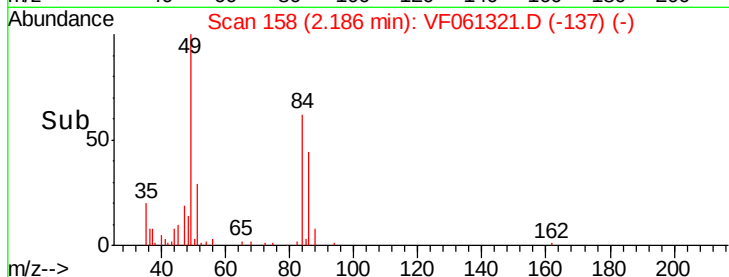
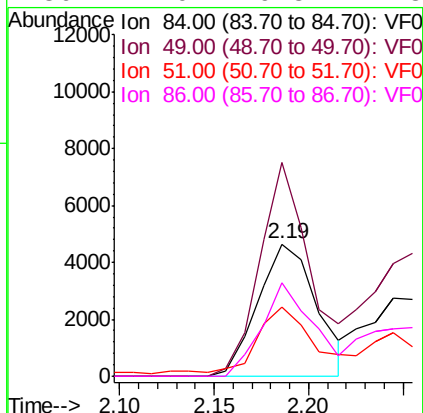
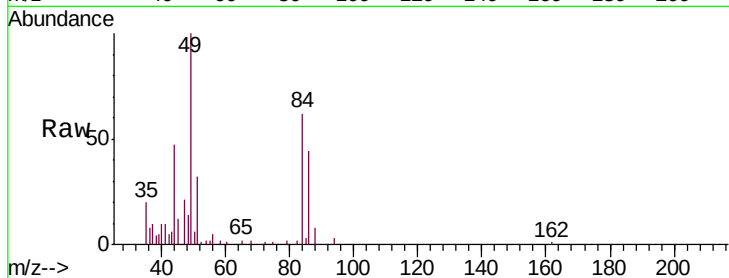




#20
Methylene Chloride
Concen: 4.910 ug/l
RT: 2.19 min Scan# 158
Delta R.T. 0.00 min
Lab File: VF061321.D
Acq: 10 Jan 2019 2:43

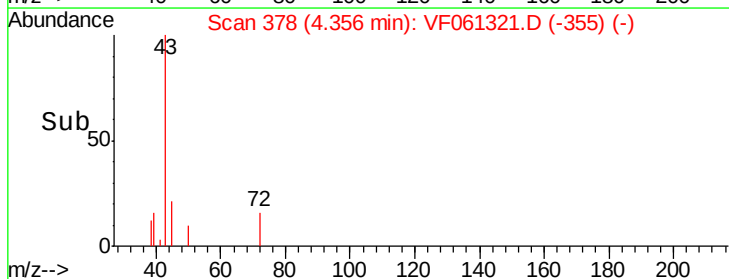
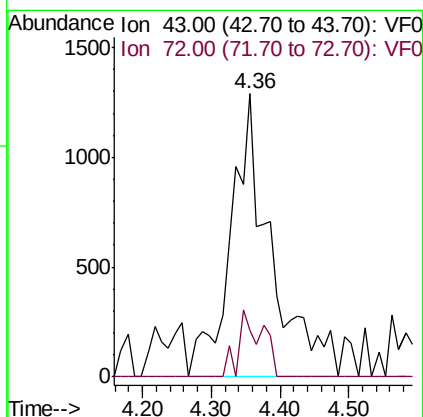
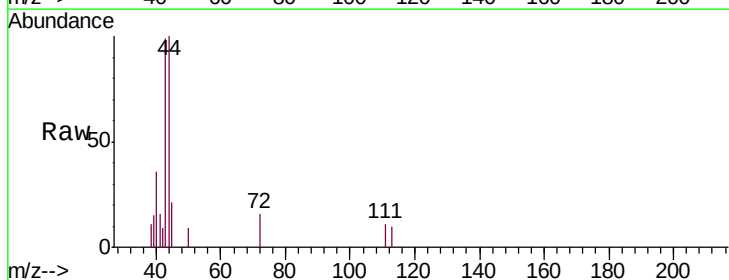
Instrument :
MSVOA_F
ClientSampleId :
SP-1-3

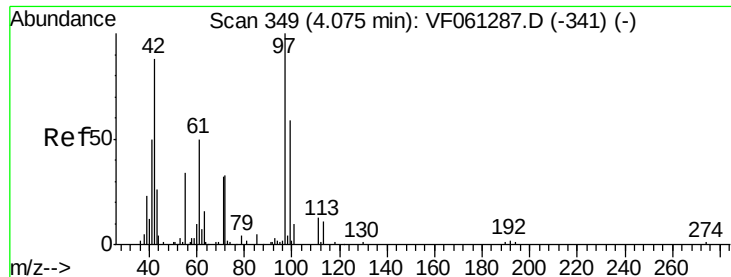
Tgt Ion:	84	Resp:	10050
Ion	Ratio	Lower	Upper
84	100		
49	161.6	116.6	175.0
51	52.4	37.7	56.5
86	71.0	49.8	74.8



#25
2-Butanone
Concen: 6.761 ug/l
RT: 4.36 min Scan# 378
Delta R.T. 0.02 min
Lab File: VF061321.D
Acq: 10 Jan 2019 2:43

Tgt Ion:	43	Resp:	5264
Ion	Ratio	Lower	Upper
43	100		
72	16.2	16.5	24.7#





#29

Tetrahydrofuran

Concen: 1.723 ug/l

RT: 4.08 min Scan# 350

Delta R.T. 0.00 min

Lab File: VF061321.D

Acq: 10 Jan 2019 2:43

Instrument :

MSVOA_F

ClientSampled :

SP-1-3

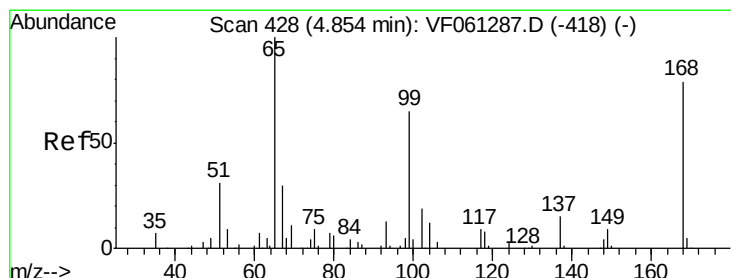
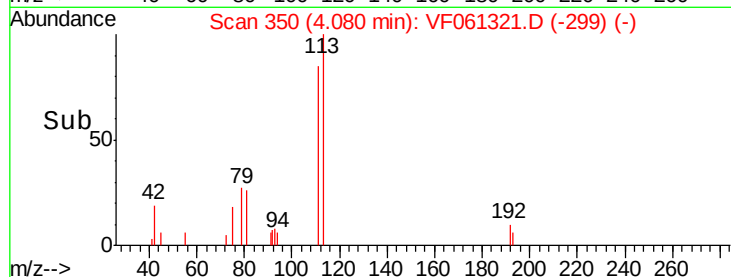
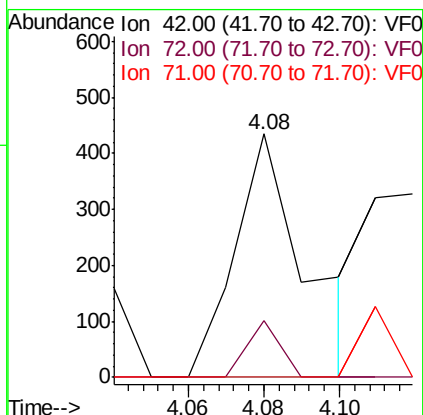
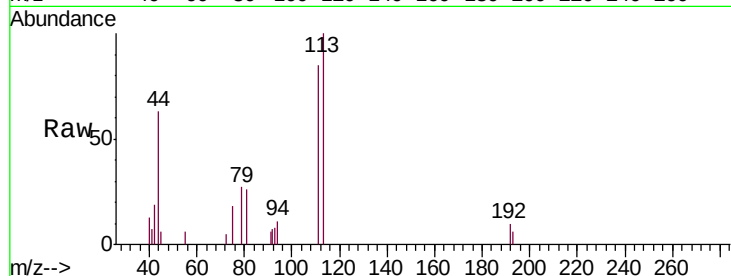
Tgt Ion: 42 Resp: 561

Ion Ratio Lower Upper

42 100

72 10.7 32.3 48.5#

71 0.0 29.5 44.3#



#33

1,2-Dichloroethane-d4

Concen: 58.369 ug/l

RT: 4.86 min Scan# 429

Delta R.T. 0.00 min

Lab File: VF061321.D

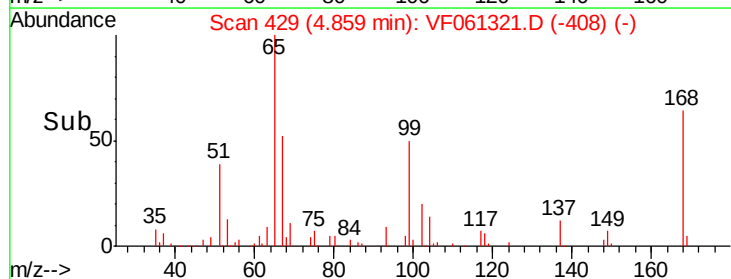
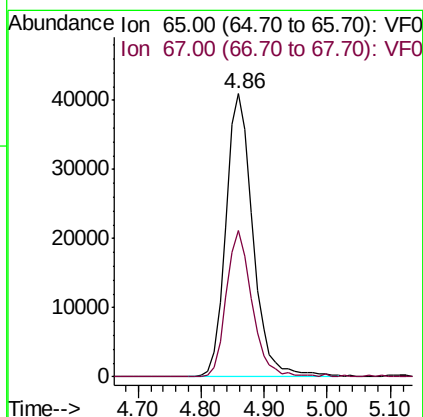
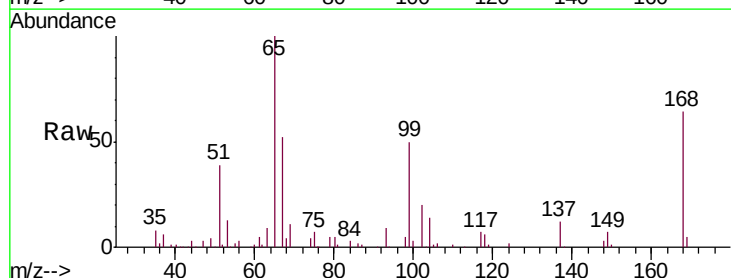
Acq: 10 Jan 2019 2:43

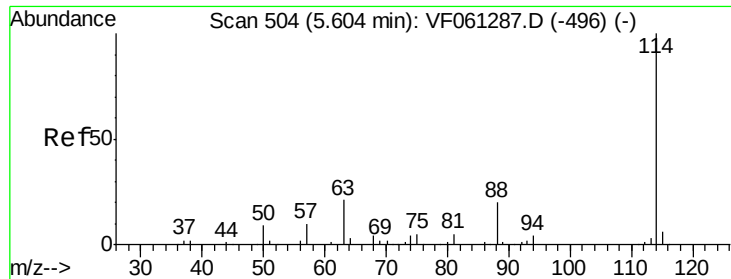
Tgt Ion: 65 Resp: 121387

Ion Ratio Lower Upper

65 100

67 51.6 0.0 98.2

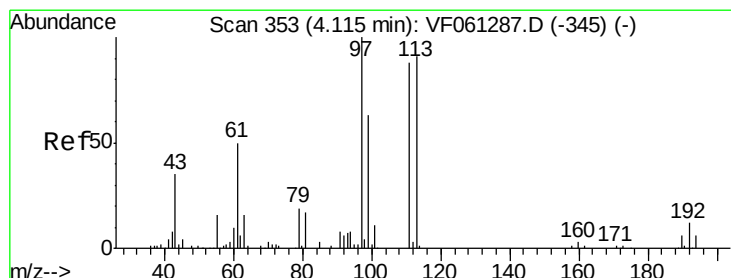
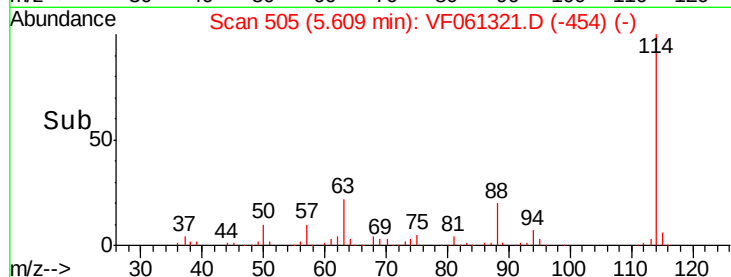
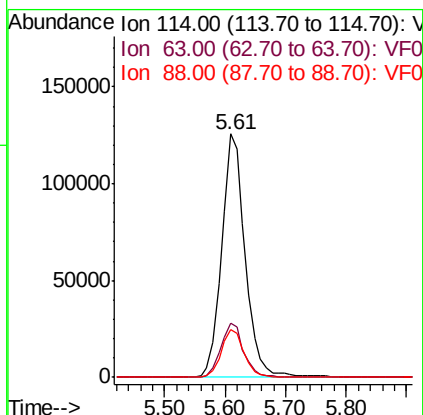
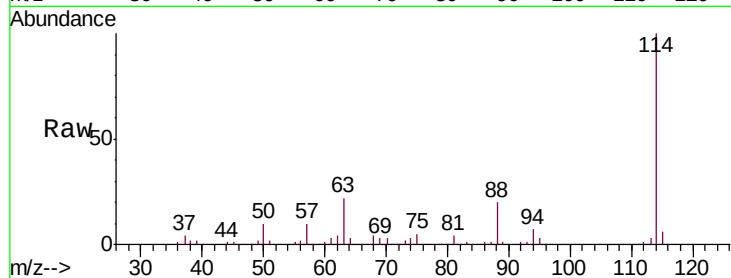




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.61 min Scan# 505
 Delta R.T. 0.00 min
 Lab File: VF061321.D
 Acq: 10 Jan 2019 2:43

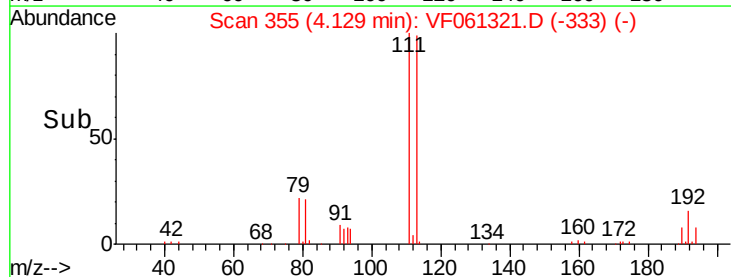
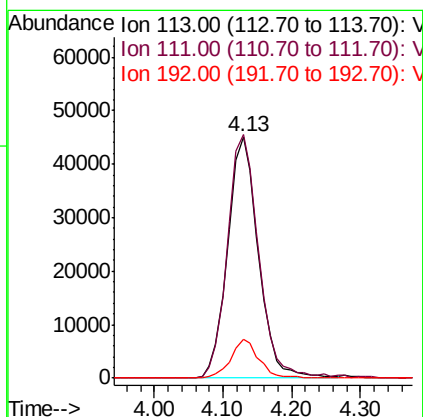
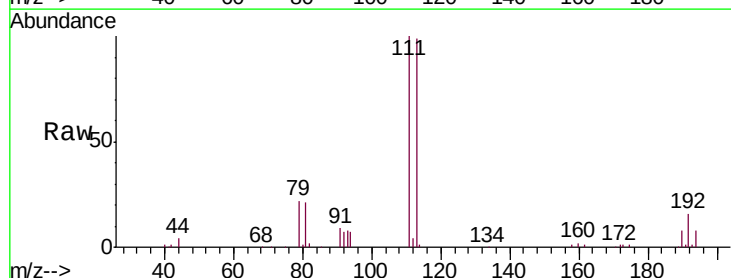
Instrument :
 MSVOA_F
 ClientSampleId :
 SP-1-3

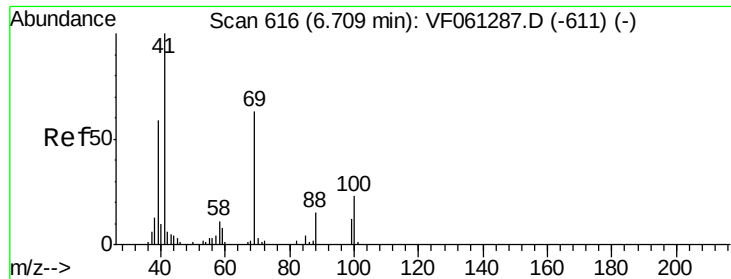
Tgt Ion:114 Resp: 338032
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 42.8
 88 19.8 0.0 40.0



#35
 Dibromofluoromethane
 Concen: 53.986 ug/l
 RT: 4.13 min Scan# 355
 Delta R.T. 0.01 min
 Lab File: VF061321.D
 Acq: 10 Jan 2019 2:43

Tgt Ion:113 Resp: 139634
 Ion Ratio Lower Upper
 113 100
 111 101.0 78.0 117.0
 192 16.0 10.6 16.0#

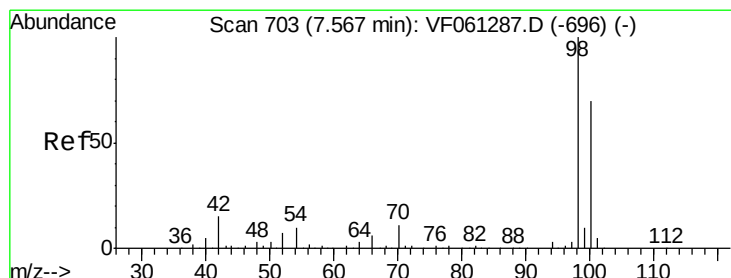
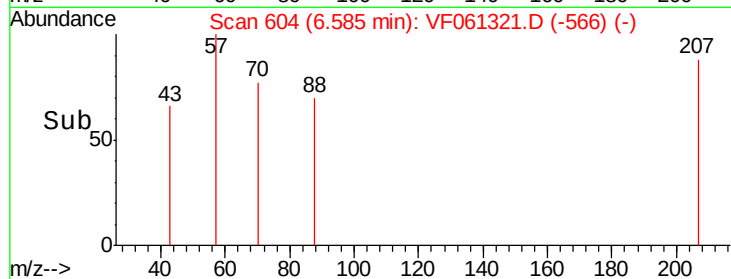
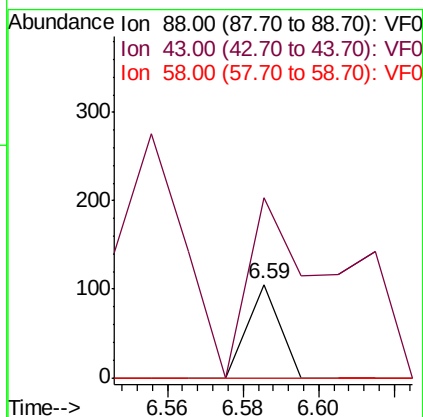
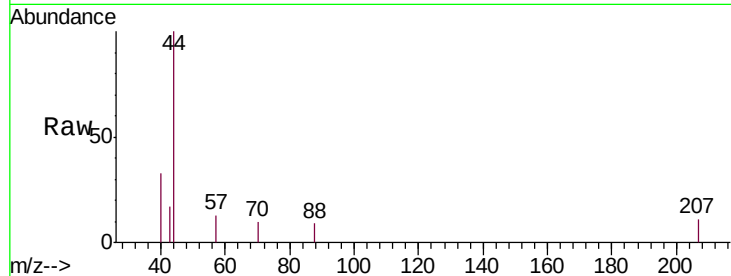




#49
1,4-Dioxane
Concen: 7.976 ug/l
RT: 6.59 min Scan# 604
Delta R.T. -0.12 min
Lab File: VF061321.D
Acq: 10 Jan 2019 2:43

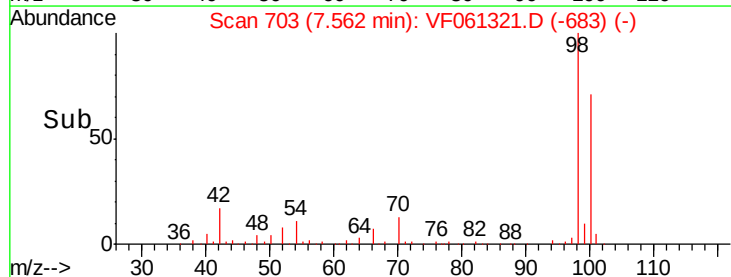
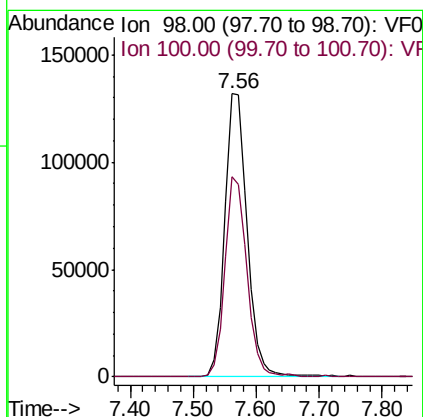
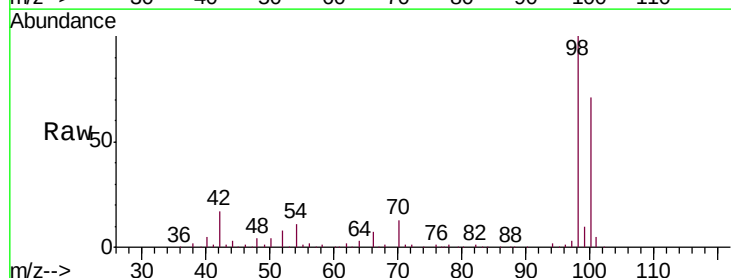
Instrument :
MSVOA_F
ClientSampleId :
SP-1-3

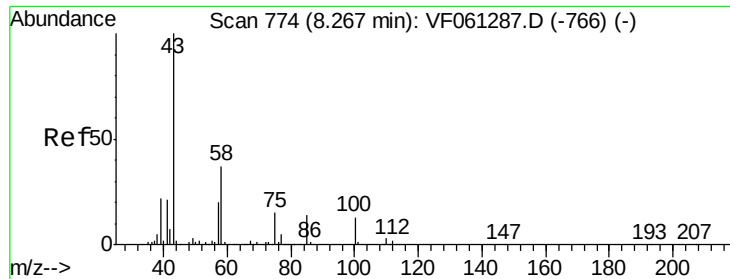
Tgt Ion: 88 Resp: 62
Ion Ratio Lower Upper
88 100
43 194.3 38.5 57.7#
58 0.0 57.0 85.4#



#50
Toluene-d8
Concen: 42.474 ug/l
RT: 7.56 min Scan# 703
Delta R.T. -0.01 min
Lab File: VF061321.D
Acq: 10 Jan 2019 2:43

Tgt Ion: 98 Resp: 325098
Ion Ratio Lower Upper
98 100
100 70.9 55.6 83.4

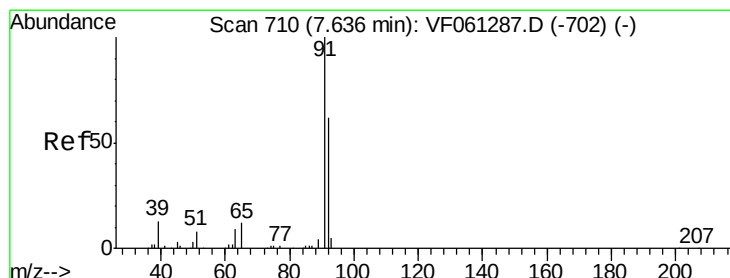
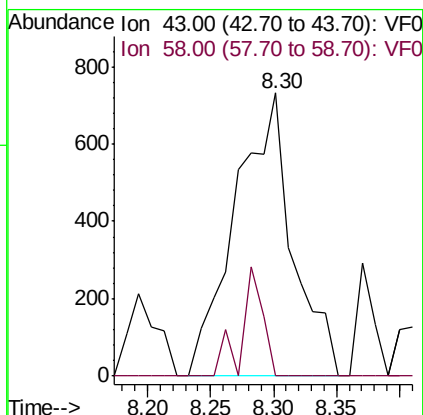
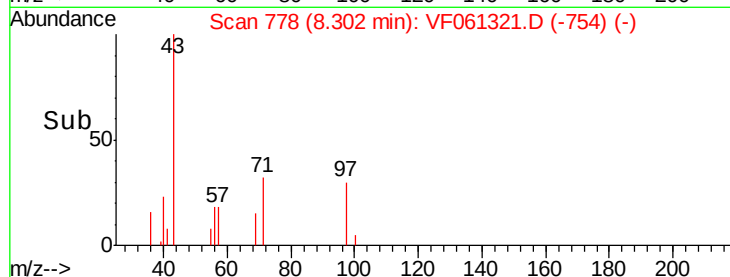
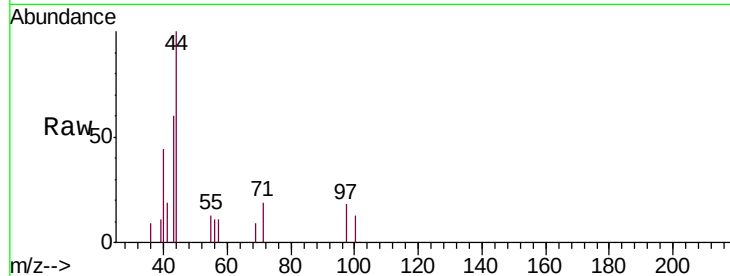




#51
 4-Methyl-2-Pentanone
 Concen: 1.617 ug/l
 RT: 8.30 min Scan# 778
 Delta R.T. 0.03 min
 Lab File: VF061321.D
 Acq: 10 Jan 2019 2:43

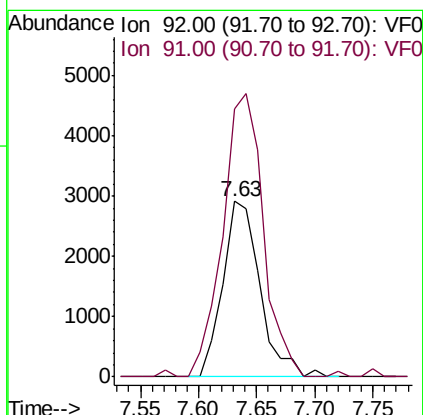
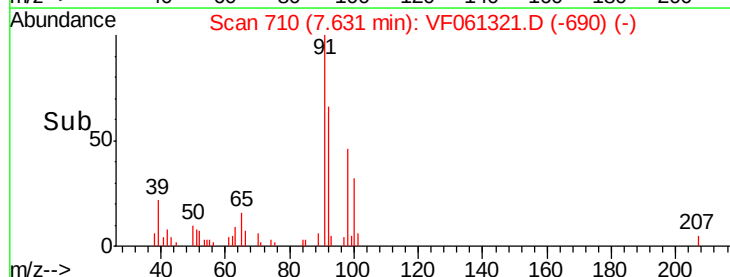
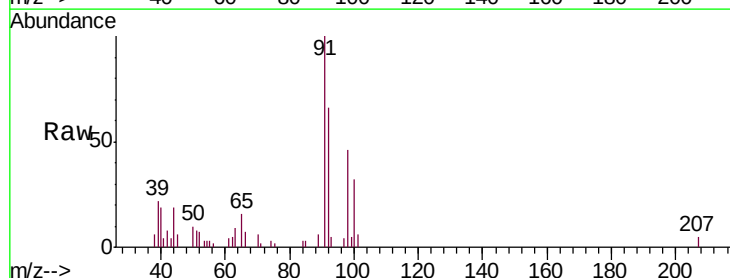
Instrument :
 MSVOA_F
 ClientSampleId :
 SP-1-3

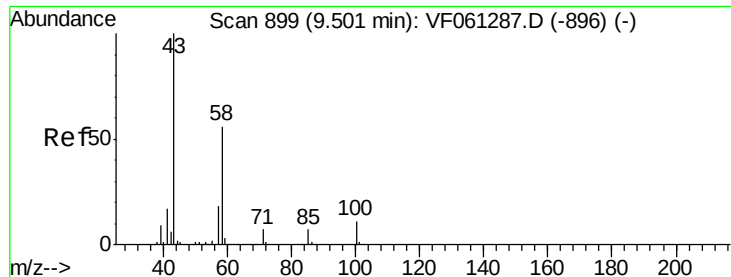
Tgt Ion: 43 Resp: 2317
 Ion Ratio Lower Upper
 43 100
 58 0.0 29.6 44.4#



#52
 Toluene
 Concen: 1.088 ug/l
 RT: 7.63 min Scan# 710
 Delta R.T. -0.01 min
 Lab File: VF061321.D
 Acq: 10 Jan 2019 2:43

Tgt Ion: 92 Resp: 6445
 Ion Ratio Lower Upper
 92 100
 91 152.6 129.2 193.8

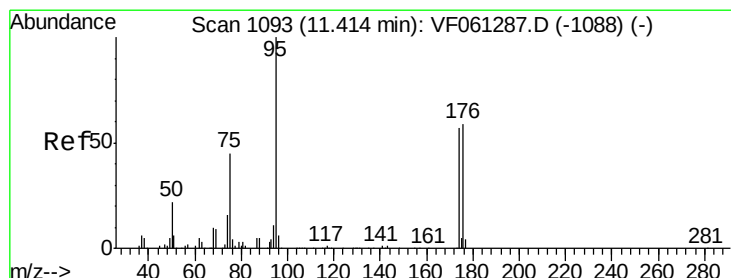
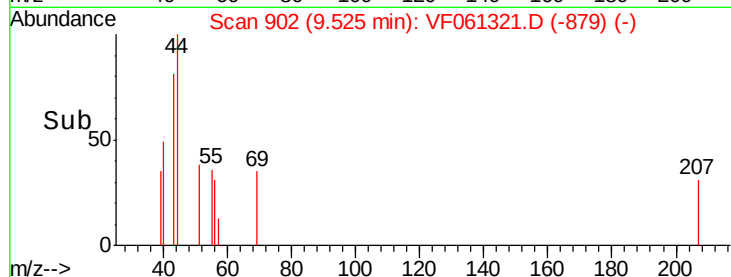
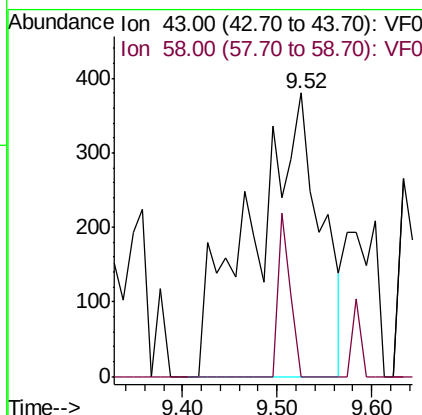
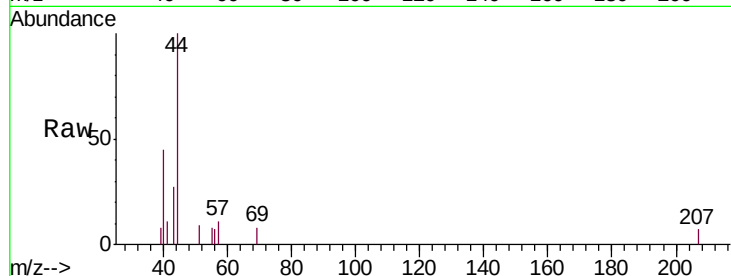




#59
2-Hexanone
Concen: 1.879 ug/l
RT: 9.52 min Scan# 902
Delta R.T. 0.02 min
Lab File: VF061321.D
Acq: 10 Jan 2019 2:43

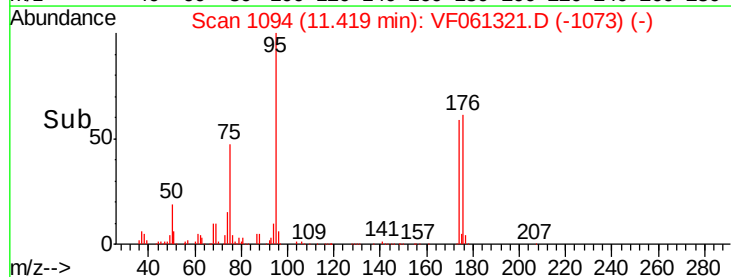
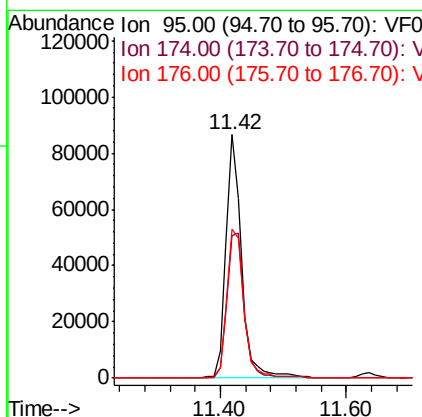
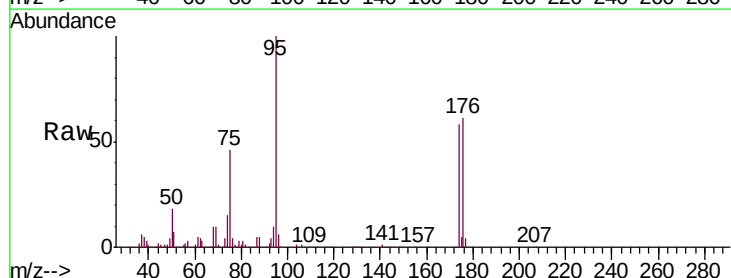
Instrument :
MSVOA_F
ClientSampled :
SP-1-3

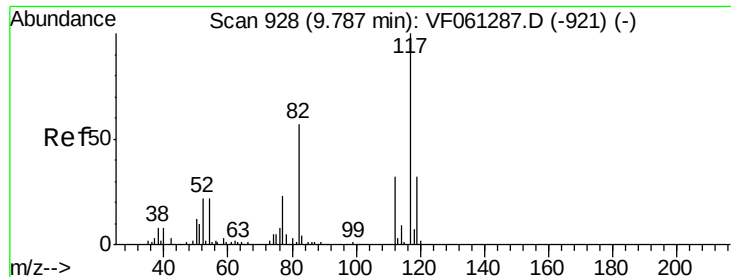
Tgt Ion: 43 Resp: 1907
Ion Ratio Lower Upper
43 100
58 0.0 25.6 76.8#



#62
4-Bromofluorobenzene
Concen: 44.941 ug/l
RT: 11.42 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VF061321.D
Acq: 10 Jan 2019 2:43

Tgt Ion: 95 Resp: 150204
Ion Ratio Lower Upper
95 100
174 58.4 0.0 114.2
176 61.0 0.0 117.8

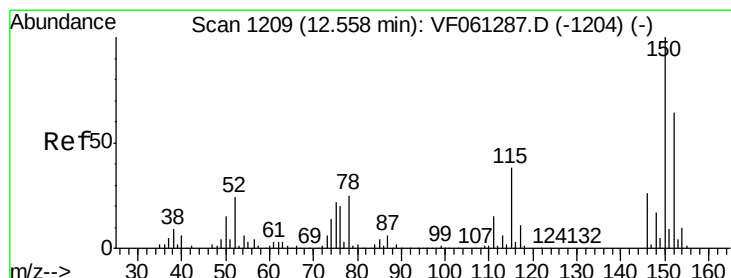
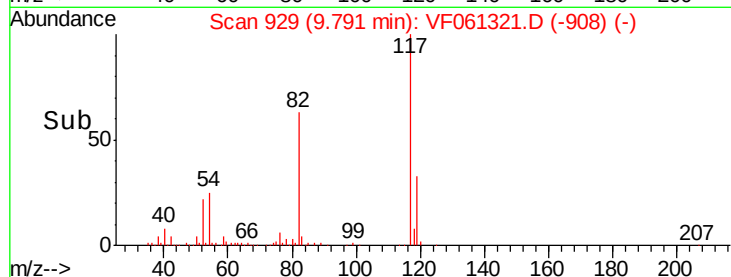
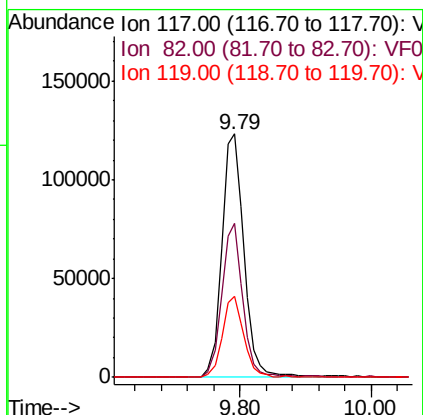
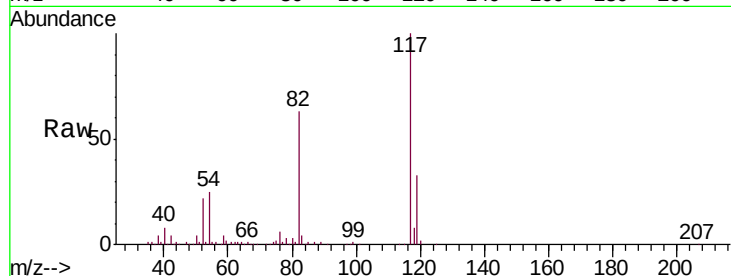




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 929
Delta R.T. 0.00 min
Lab File: VF061321.D
Acq: 10 Jan 2019 2:43

Instrument :
MSVOA_F
ClientSampleId :
SP-1-3

Tgt Ion	Ratio	Lower	Upper
117	100		
82	63.0	45.3	67.9
119	33.3	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.56 min Scan# 1210
Delta R.T. 0.00 min
Lab File: VF061321.D
Acq: 10 Jan 2019 2:43

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.9	29.6	88.9
150	156.7	0.0	315.4

