

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF012319\
 Data File : VF061487.D
 Acq On : 23 Jan 2019 17:14
 Operator : VA/AP
 Sample : K1223-05
 Misc : 4.81g/5mL/MSVOA-F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TS-Q

Quant Time: Jan 24 02:56:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	133805	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	245414	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	156188	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	45578	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.83	65	97733	59.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	118.32%	
35) Dibromofluoromethane	4.11	113	108522	56.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.08%	
50) Toluene-d8	7.55	98	231016	43.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.08%	
62) 4-Bromofluorobenzene	11.41	95	65909	26.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	53.18%	

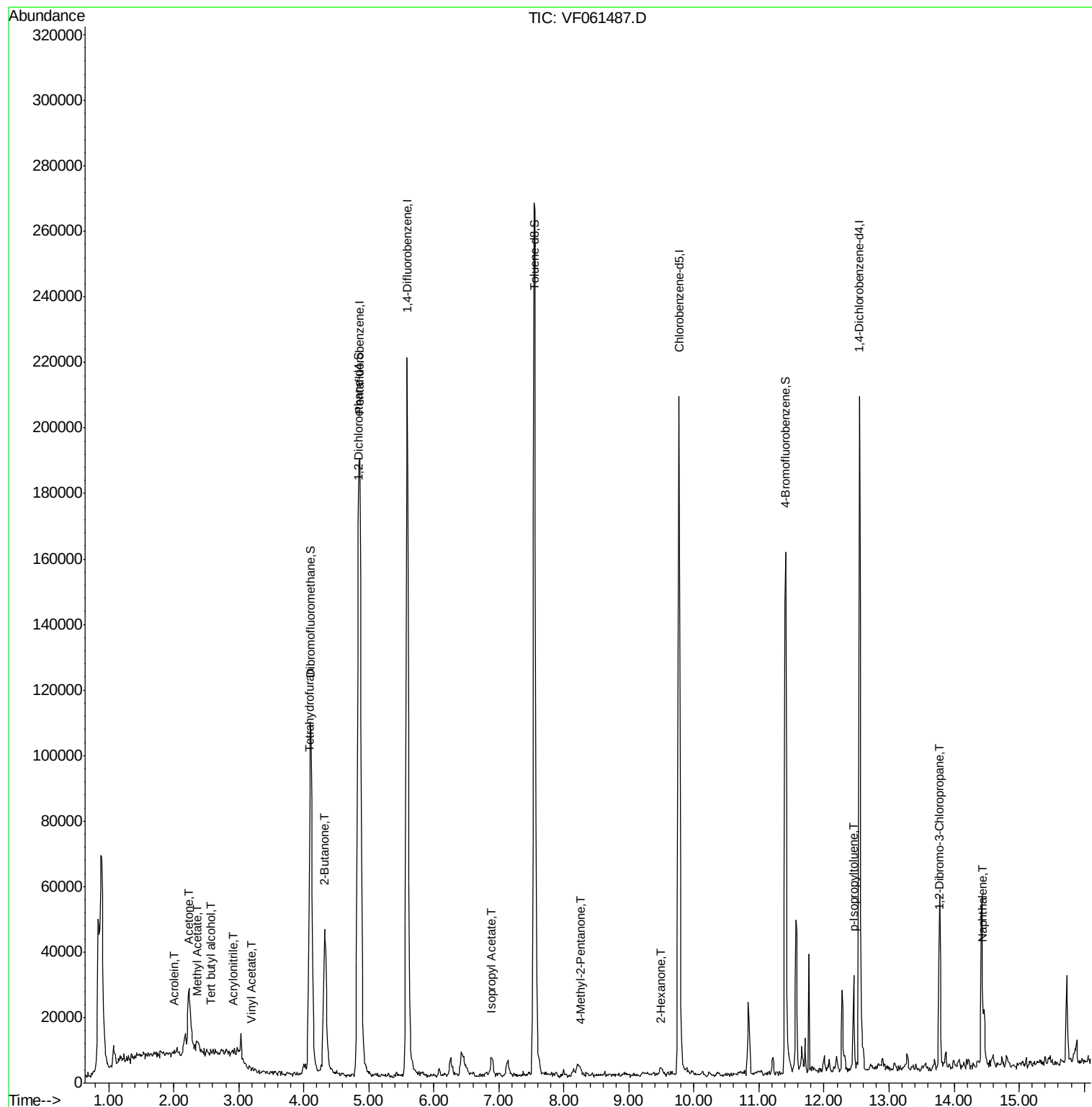
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.58	59	174	2.488	ug/l #	64
13) Acrolein	2.00	56	303	15.160	ug/l #	75
14) Allyl chloride	2.10	41	1471	Below Cal	#	62
15) Acrylonitrile	2.91	53	525	2.931	ug/l #	60
16) Acetone	2.24	43	32478	98.000	ug/l	98
18) Methyl Acetate	2.36	43	3833	5.832	ug/l #	61
23) Vinyl Acetate	3.19	43	844	3.641	ug/l #	78
25) 2-Butanone	4.32	43	96798	175.639	ug/l	94
29) Tetrahydrofuran	4.08	42	312	1.315	ug/l #	58
43) Isopropyl Acetate	6.88	43	12786	8.957	ug/l #	51
49) 1,4-Dioxane	6.79	88	60	Below Cal	#	1
51) 4-Methyl-2-Pentanone	8.26	43	2302	2.193	ug/l	92
59) 2-Hexanone	9.50	43	2849	3.893	ug/l	86
86) p-Isopropyltoluene	12.46	119	15018	4.351	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.76	75	136	1.161	ug/l #	1
95) Naphthalene	14.45	128	3000	1.539	ug/l #	94

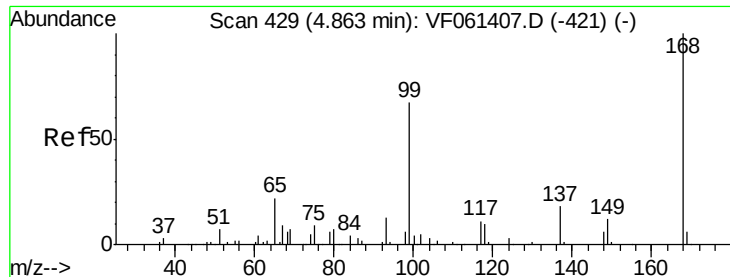
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF012319\
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Quant Title : SW846 8260
QLast Update : Wed Jan 16 04:51:59 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.00 min

Lab File: VF061487.D

Acq: 23 Jan 2019 17:14

Instrument :

MSVOA_F

ClientSampleId :

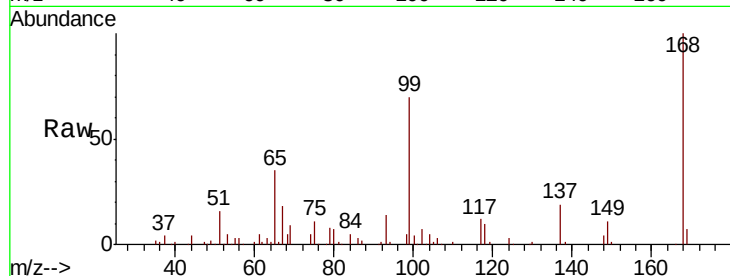
TS-Q

Tgt Ion:168 Resp: 133805

Ion Ratio Lower Upper

168 100

99 70.1 53.5 80.3

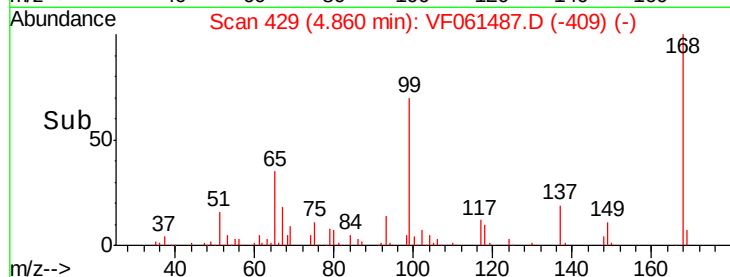


Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

Time-->



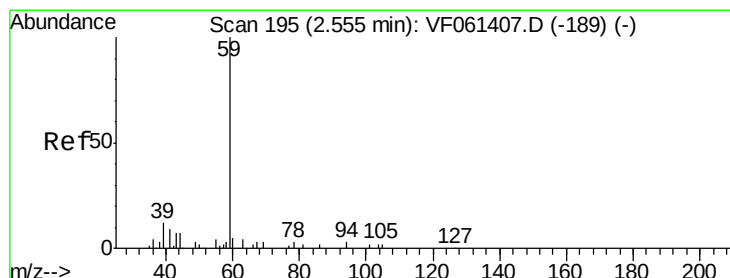
Abundance

Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

Time-->



#11

Tert butyl alcohol

Concen: 2.488 ug/l

RT: 2.58 min Scan# 198

Delta R.T. 0.03 min

Lab File: VF061487.D

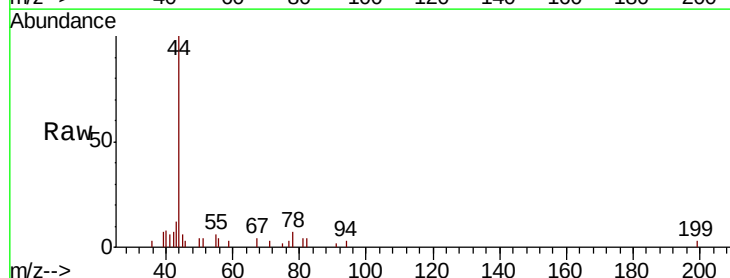
Acq: 23 Jan 2019 17:14

Tgt Ion: 59 Resp: 174

Ion Ratio Lower Upper

59 100

57 0.0 11.9 17.9#

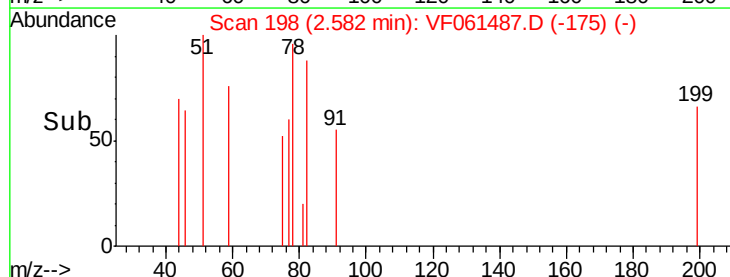


Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.58

Time-->



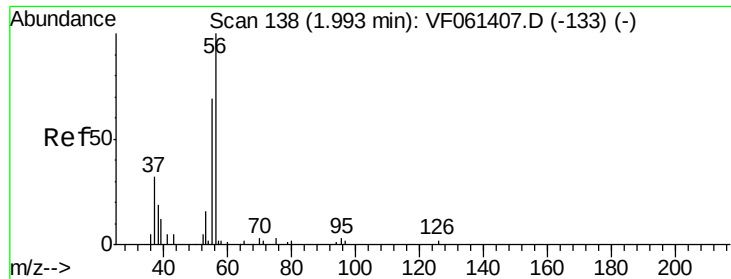
Abundance

Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.58

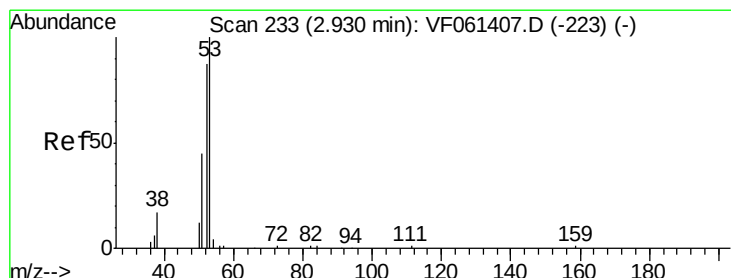
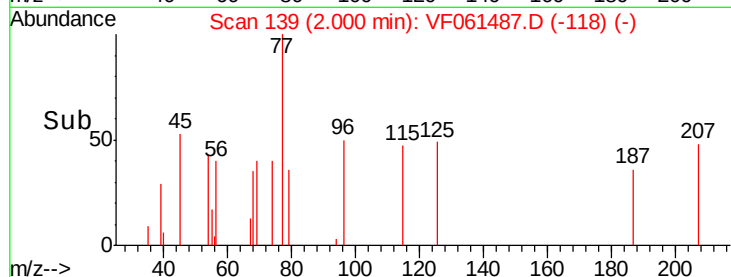
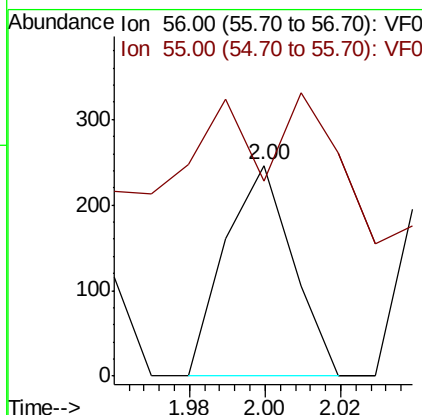
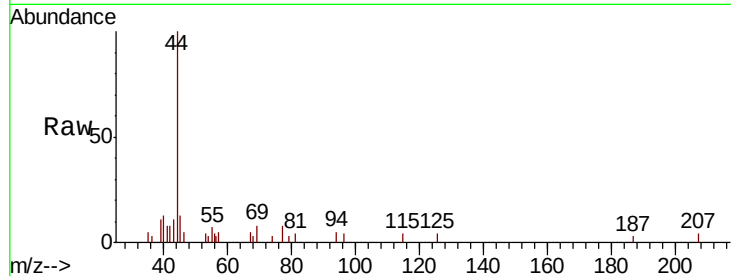
Time-->



#13
Acrolein
Concen: 15.160 ug/l
RT: 2.00 min Scan# 139
Delta R.T. 0.01 min
Lab File: VF061487.D
Acq: 23 Jan 2019 17:14

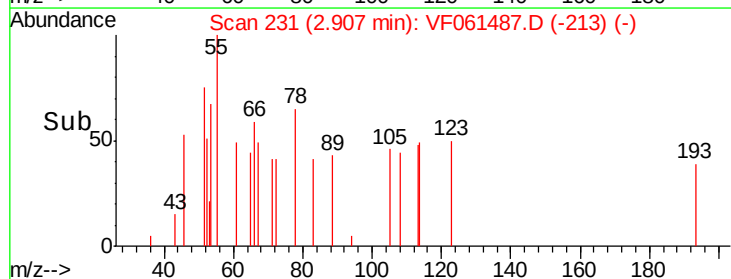
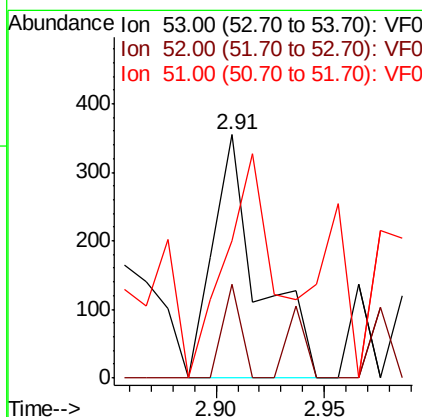
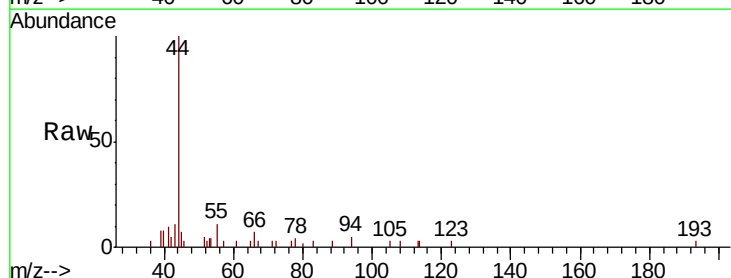
Instrument :
MSVOA_F
ClientSampled :
TS-Q

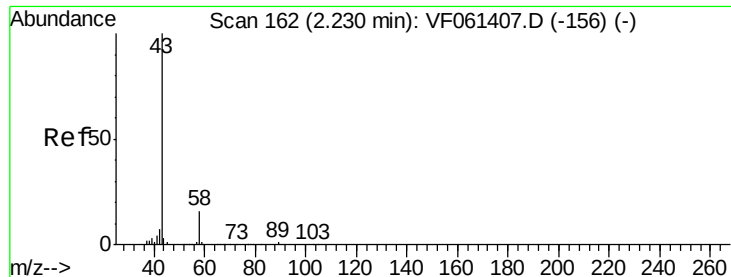
Tgt Ion: 56 Resp: 303
Ion Ratio Lower Upper
56 100
55 92.7 57.5 86.3#



#15
Acrylonitrile
Concen: 2.931 ug/l
RT: 2.91 min Scan# 231
Delta R.T. -0.02 min
Lab File: VF061487.D
Acq: 23 Jan 2019 17:14

Tgt Ion: 53 Resp: 525
Ion Ratio Lower Upper
53 100
52 38.3 69.6 104.4#
51 56.6 36.8 55.2#

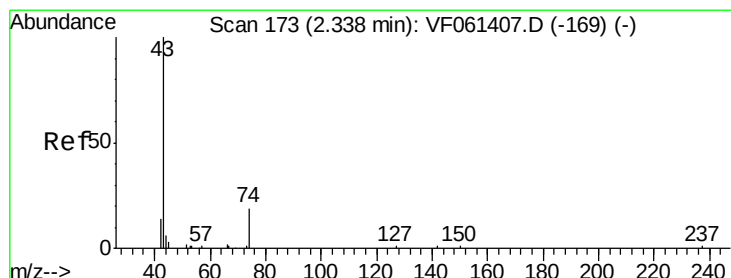
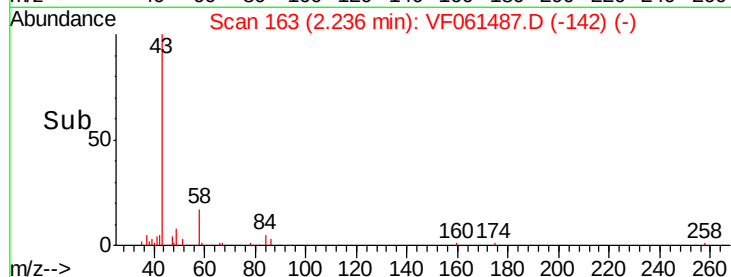
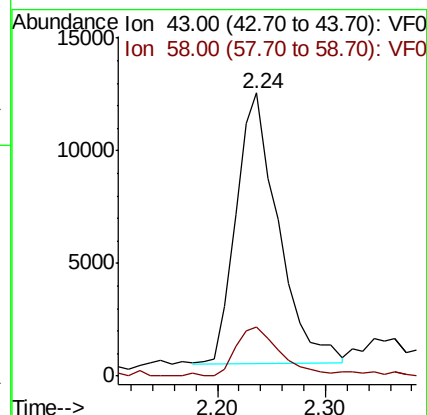
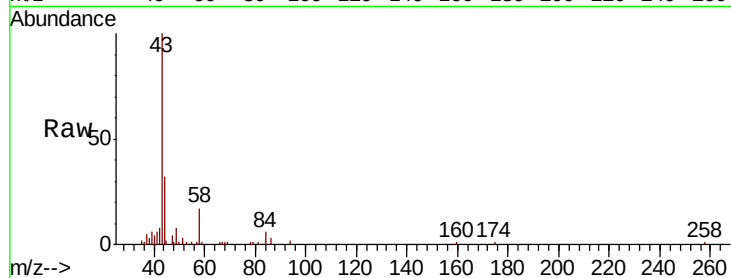




#16
Acetone
Concen: 98.000 ug/l
RT: 2.24 min Scan# 163
Delta R.T. 0.01 min
Lab File: VF061487.D
Acq: 23 Jan 2019 17:14

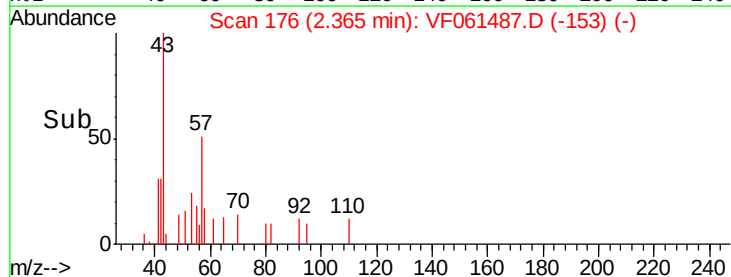
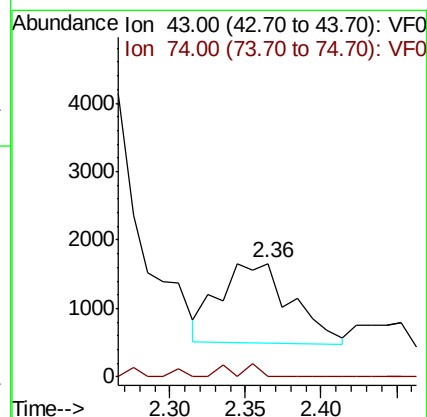
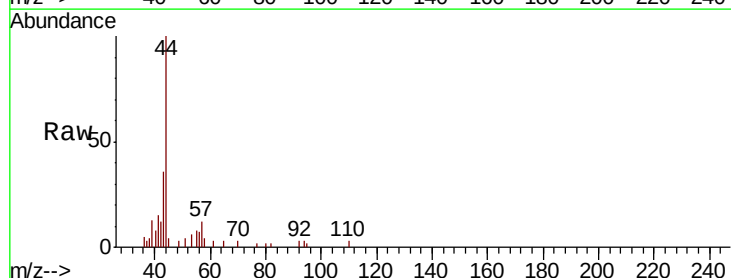
Instrument :
MSVOA_F
ClientSampled :
TS-Q

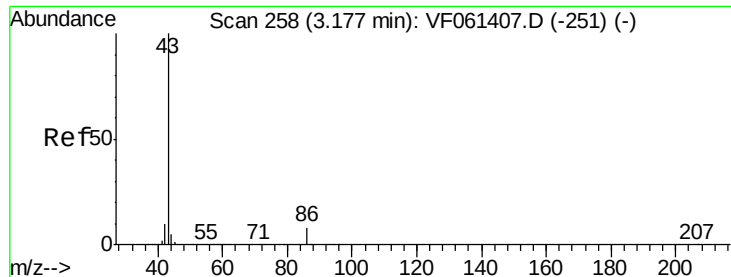
Tgt Ion: 43 Resp: 32478
Ion Ratio Lower Upper
43 100
58 17.3 13.3 19.9



#18
Methyl Acetate
Concen: 5.832 ug/l
RT: 2.36 min Scan# 176
Delta R.T. 0.03 min
Lab File: VF061487.D
Acq: 23 Jan 2019 17:14

Tgt Ion: 43 Resp: 3833
Ion Ratio Lower Upper
43 100
74 0.0 13.4 20.0#

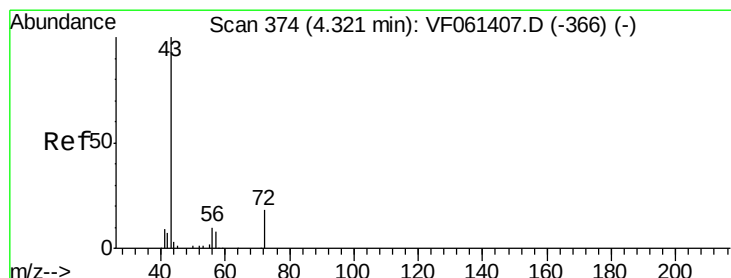
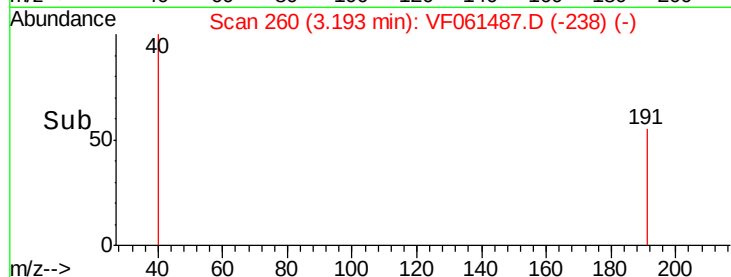
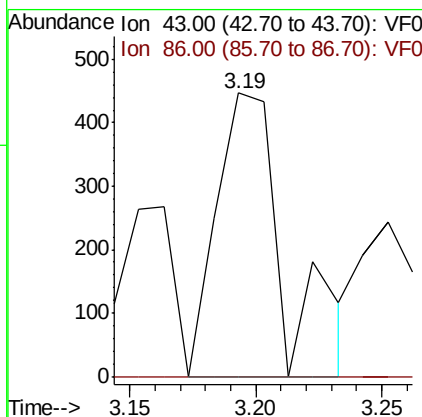
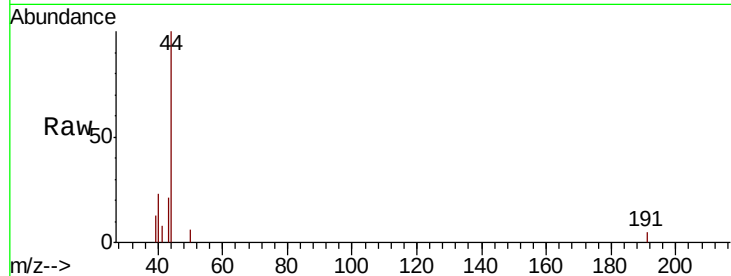




#23
 Vinyl Acetate
 Concen: 3.641 ug/l
 RT: 3.19 min Scan# 260
 Delta R.T. 0.02 min
 Lab File: VF061487.D
 Acq: 23 Jan 2019 17:14

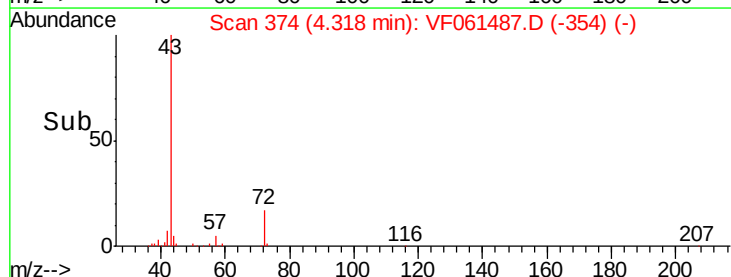
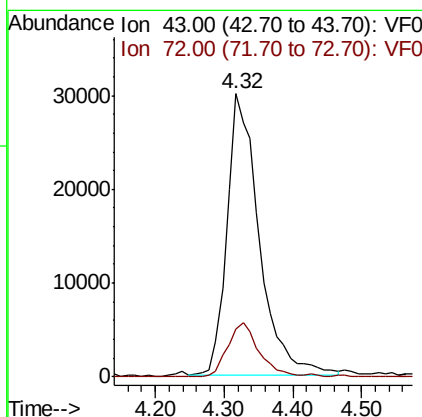
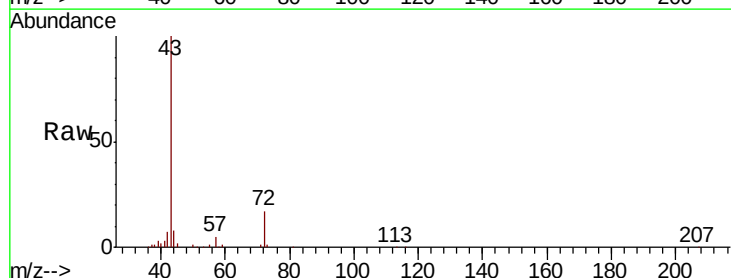
Instrument :
 MSVOA_F
 ClientSampleID :
 TS-Q

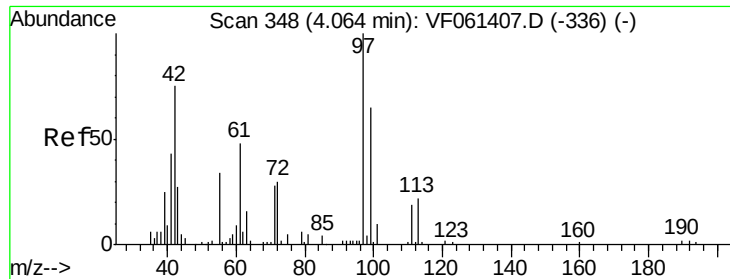
Tgt Ion: 43 Resp: 844
 Ion Ratio Lower Upper
 43 100
 86 0.0 6.2 9.4#



#25
 2-Butanone
 Concen: 175.639 ug/l
 RT: 4.32 min Scan# 374
 Delta R.T. -0.00 min
 Lab File: VF061487.D
 Acq: 23 Jan 2019 17:14

Tgt Ion: 43 Resp: 96798
 Ion Ratio Lower Upper
 43 100
 72 16.7 15.8 23.6





#29

Tetrahydrofuran

Concen: 1.315 ug/l

RT: 4.08 min Scan# 350

Delta R.T. 0.02 min

Lab File: VF061487.D

Acq: 23 Jan 2019 17:14

Instrument :

MSVOA_F

ClientSampled :

TS-Q

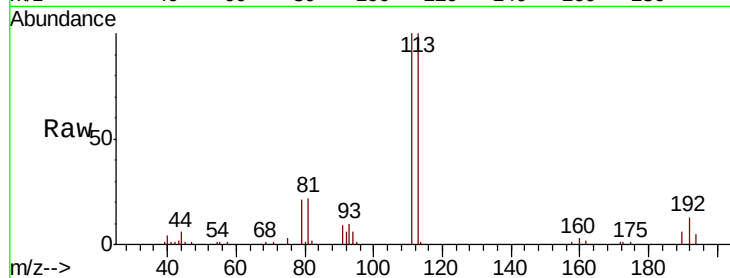
Tgt Ion: 42 Resp: 312

Ion Ratio Lower Upper

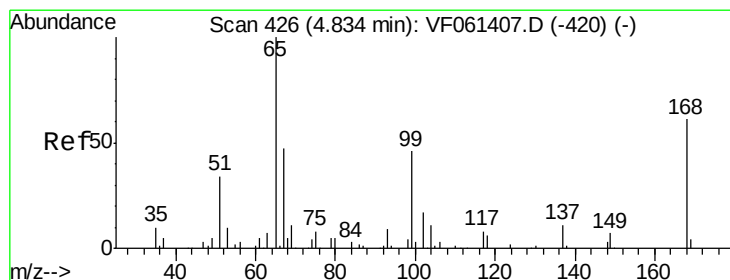
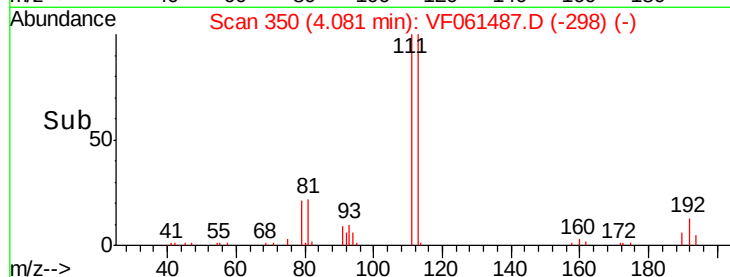
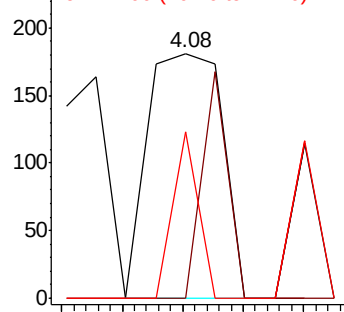
42 100

72 0.0 28.9 43.3#

71 23.4 29.6 44.4#



Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 59.161 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.00 min

Lab File: VF061487.D

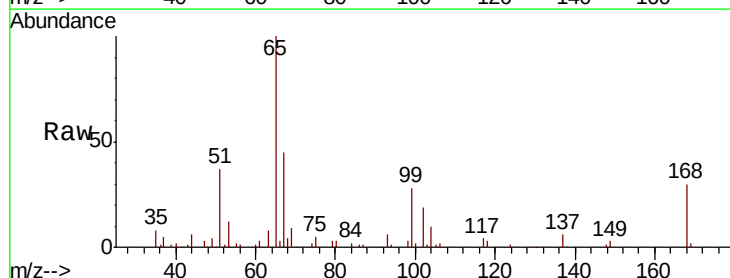
Acq: 23 Jan 2019 17:14

Tgt Ion: 65 Resp: 97733

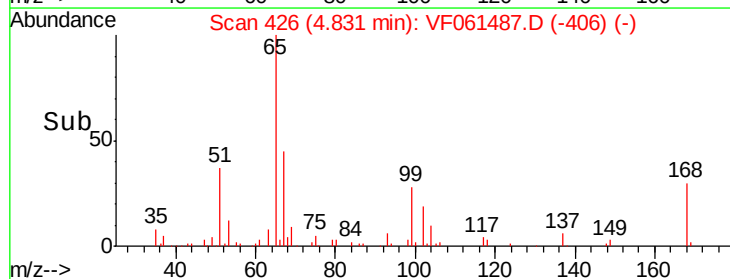
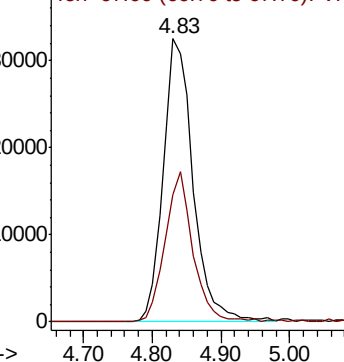
Ion Ratio Lower Upper

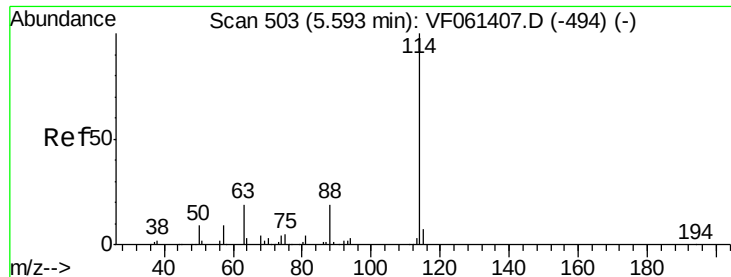
65 100

67 45.0 0.0 99.8



Abundance Ion 65.00 (64.70 to 65.70): VF0
Ion 67.00 (66.70 to 67.70): VF0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 503

Delta R.T. -0.00 min

Lab File: VF061487.D

Acq: 23 Jan 2019 17:14

Instrument :

MSVOA_F

ClientSampleId :

TS-Q

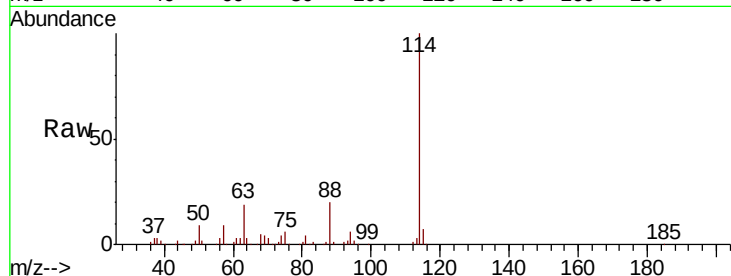
Tgt Ion:114 Resp: 245414

Ion Ratio Lower Upper

114 100

63 19.1 0.0 39.0

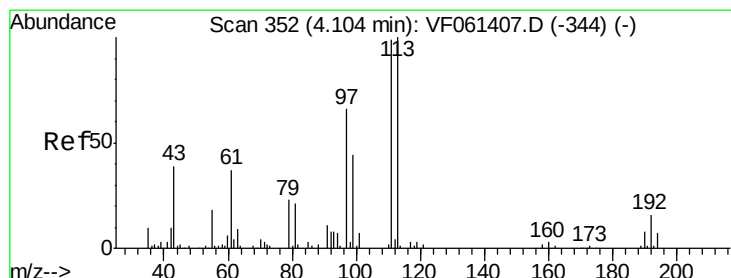
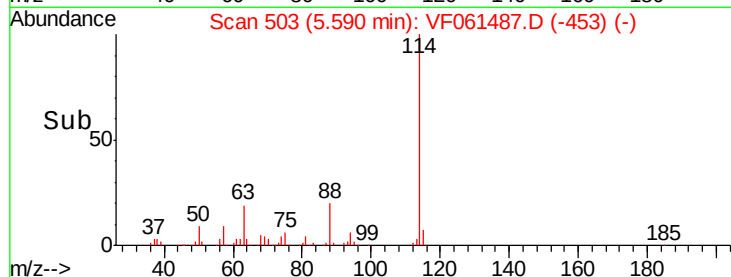
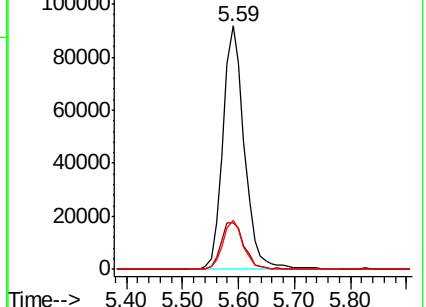
88 20.2 0.0 37.4



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0



#35

Dibromofluoromethane

Concen: 56.039 ug/l

RT: 4.11 min Scan# 353

Delta R.T. 0.01 min

Lab File: VF061487.D

Acq: 23 Jan 2019 17:14

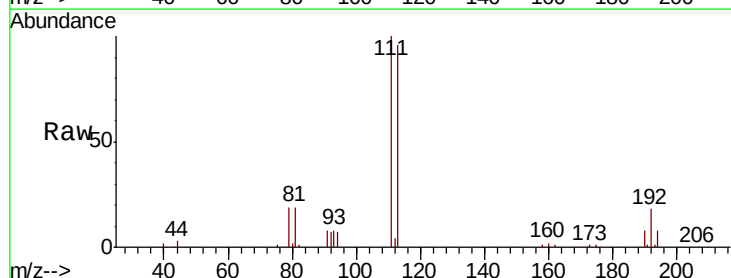
Tgt Ion:113 Resp: 108522

Ion Ratio Lower Upper

113 100

111 104.2 79.4 119.0

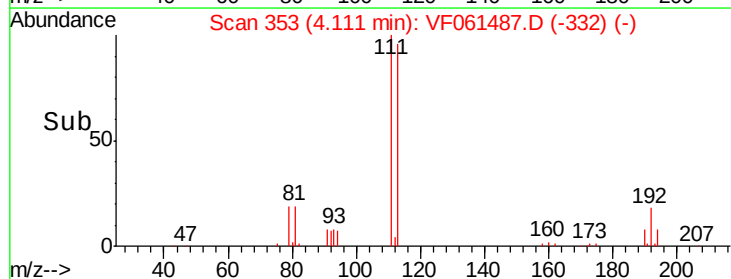
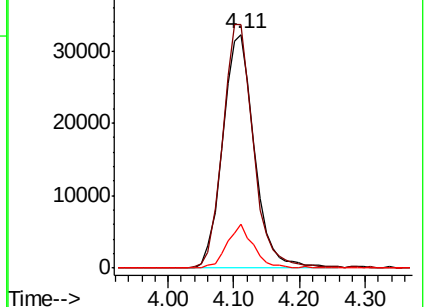
192 18.7 12.4 18.6#

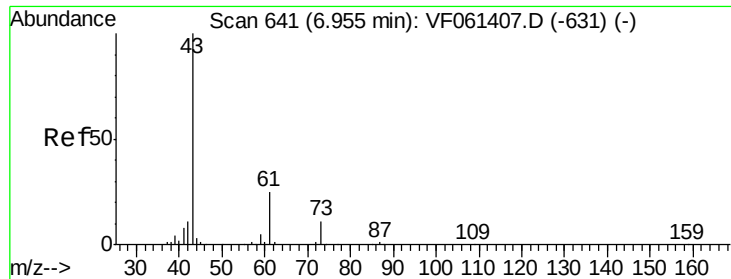


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

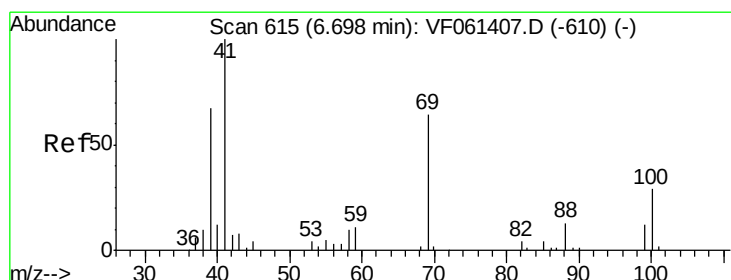
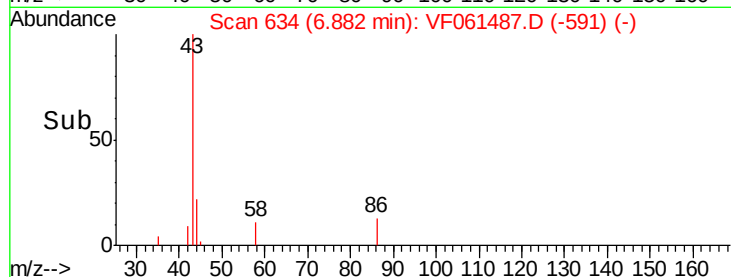
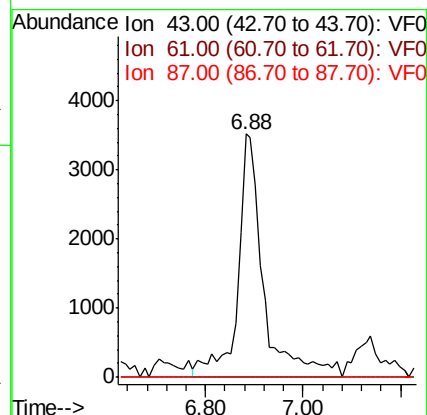
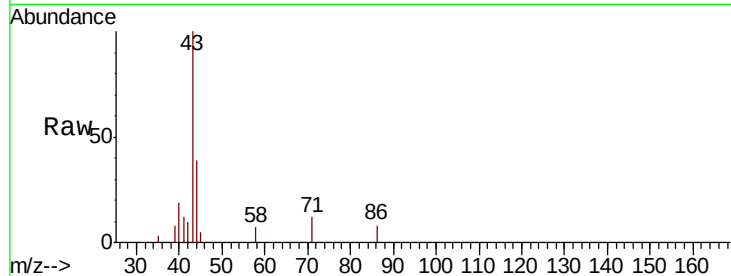




#43
Isopropyl Acetate
Concen: 8.957 ug/l
RT: 6.88 min Scan# 634
Delta R.T. -0.07 min
Lab File: VF061487.D
Acq: 23 Jan 2019 17:14

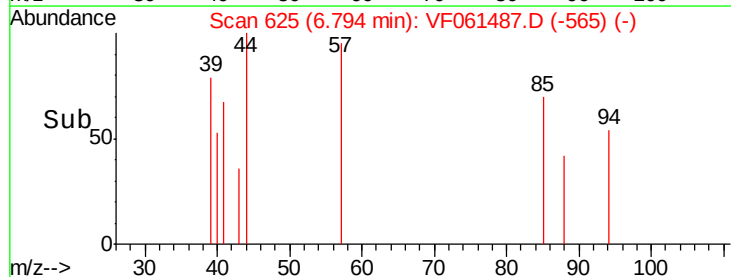
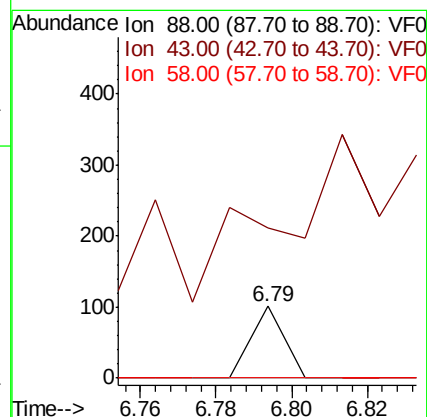
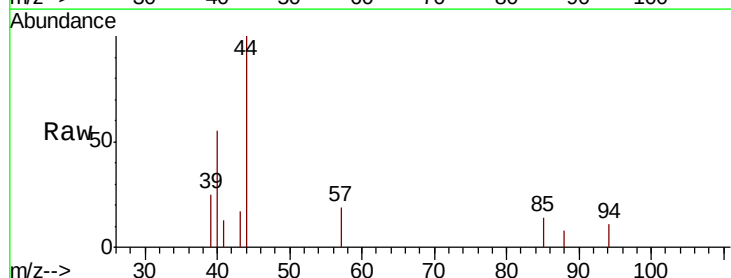
Instrument :
MSVOA_F
ClientSampleId :
TS-Q

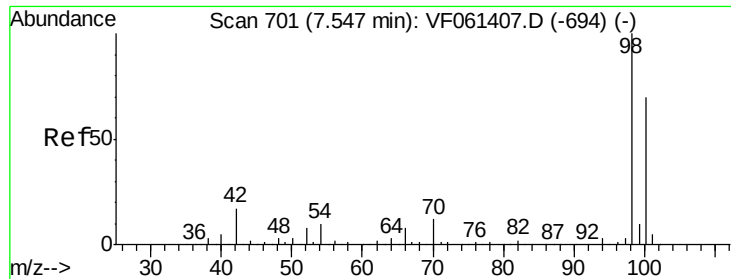
Tgt Ion: 43 Resp: 12786
Ion Ratio Lower Upper
43 100
61 0.0 20.3 30.5#
87 0.0 0.5 0.7#



#49
1,4-Dioxane
Concen: Below Cal
RT: 6.79 min Scan# 625
Delta R.T. 0.10 min
Lab File: VF061487.D
Acq: 23 Jan 2019 17:14

Tgt Ion: 88 Resp: 60
Ion Ratio Lower Upper
88 100
43 208.9 55.5 83.3#
58 0.0 59.9 89.9#

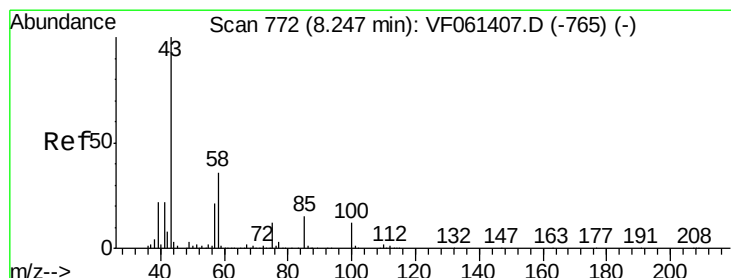
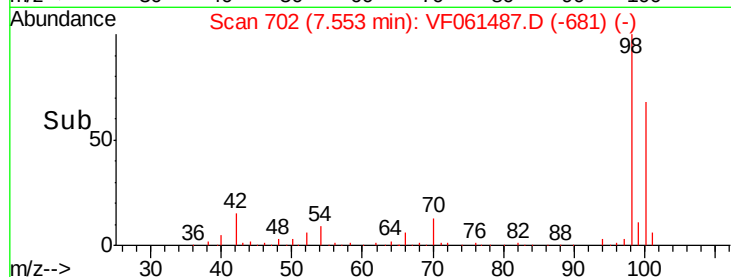
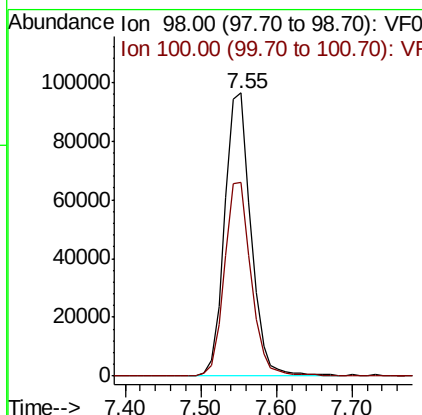
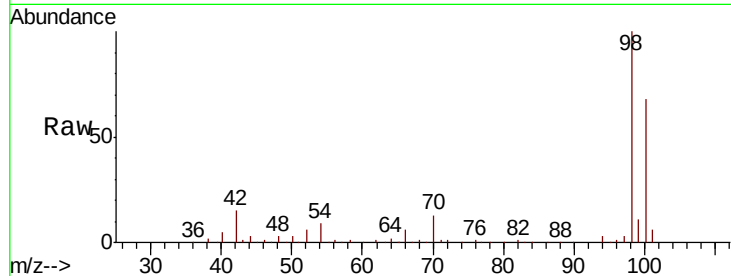




#50
Toluene-d8
Concen: 43.541 ug/l
RT: 7.55 min Scan# 702
Delta R.T. 0.01 min
Lab File: VF061487.D
Acq: 23 Jan 2019 17:14

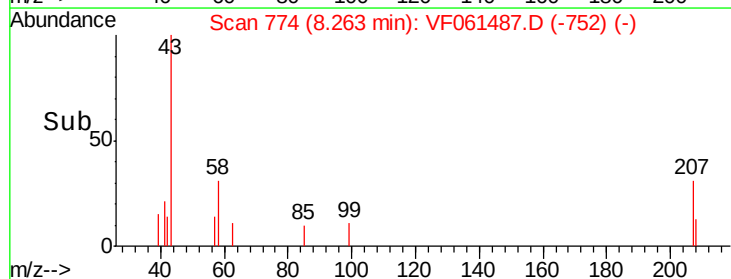
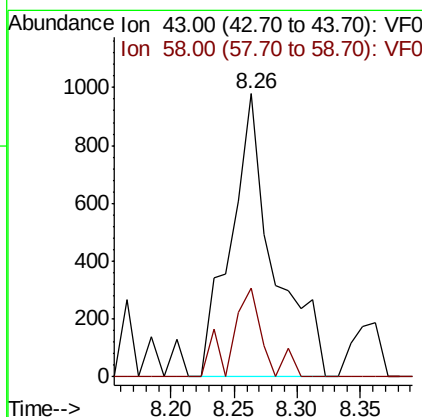
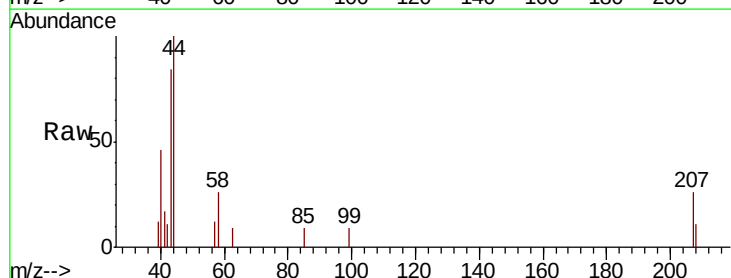
Instrument :
MSVOA_F
ClientSampled :
TS-Q

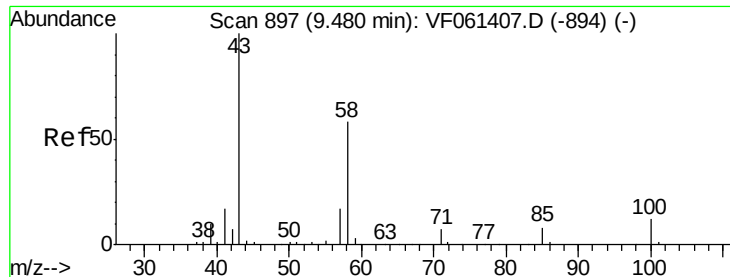
Tgt Ion: 98 Resp: 231016
Ion Ratio Lower Upper
98 100
100 68.3 55.6 83.4



#51
4-Methyl-2-Pentanone
Concen: 2.193 ug/l
RT: 8.26 min Scan# 774
Delta R.T. 0.02 min
Lab File: VF061487.D
Acq: 23 Jan 2019 17:14

Tgt Ion: 43 Resp: 2302
Ion Ratio Lower Upper
43 100
58 31.5 28.8 43.2





#59

2-Hexanone

Concen: 3.893 ug/l

RT: 9.50 min Scan# 899

Delta R.T. 0.02 min

Lab File: VF061487.D

Acq: 23 Jan 2019 17:14

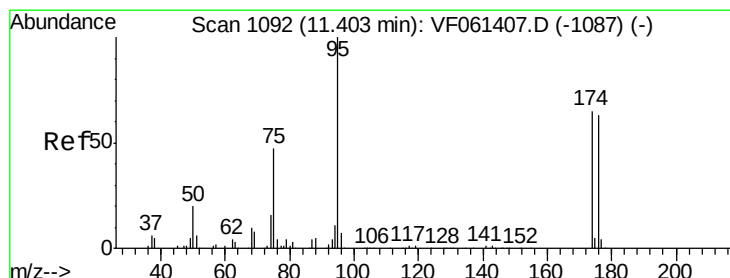
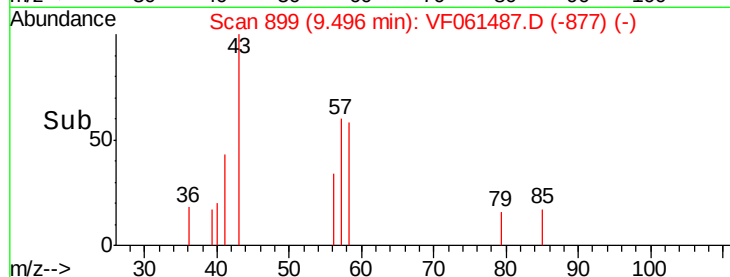
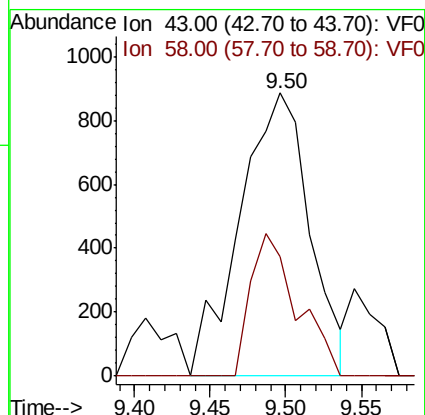
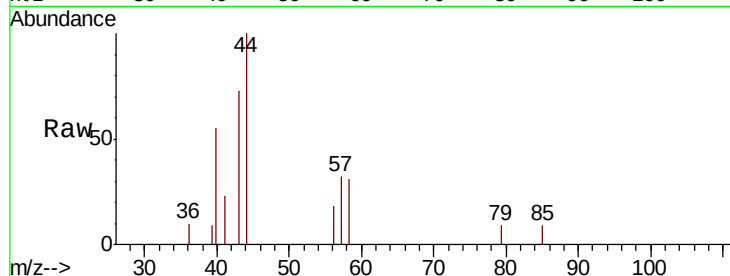
Instrument :
MSVOA_F
ClientSampled :
TS-Q

Tgt Ion: 43 Resp: 2849

Ion Ratio Lower Upper

43 100

58 42.2 25.9 77.6



#62

4-Bromofluorobenzene

Concen: 26.587 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. 0.01 min

Lab File: VF061487.D

Acq: 23 Jan 2019 17:14

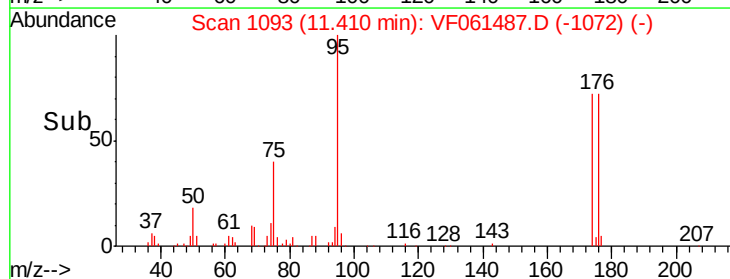
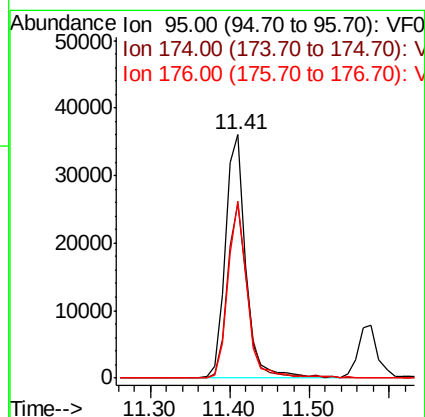
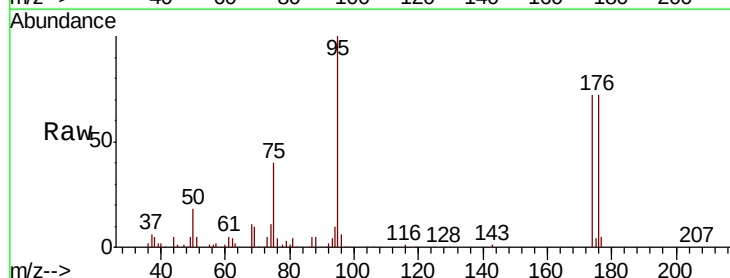
Tgt Ion: 95 Resp: 65909

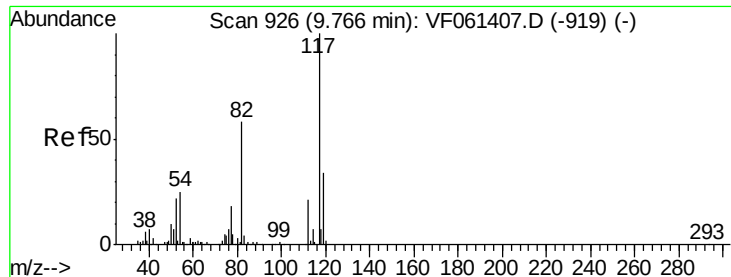
Ion Ratio Lower Upper

95 100

174 71.6 0.0 130.4

176 72.5 0.0 126.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.77 min Scan# 927

Delta R.T. 0.01 min

Lab File: VF061487.D

Acq: 23 Jan 2019 17:14

Instrument :

MSVOA_F

ClientSampleId :

TS-Q

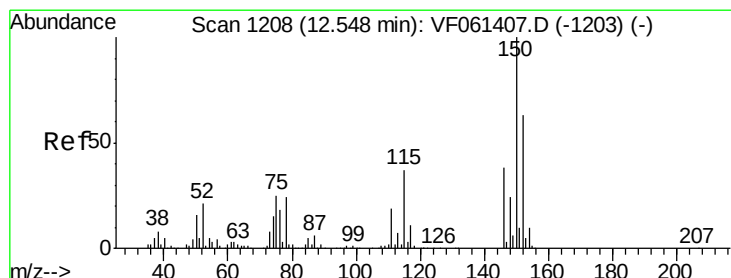
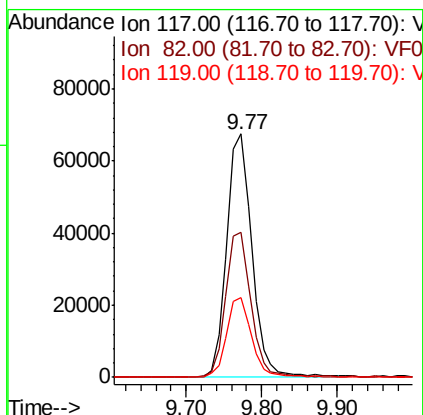
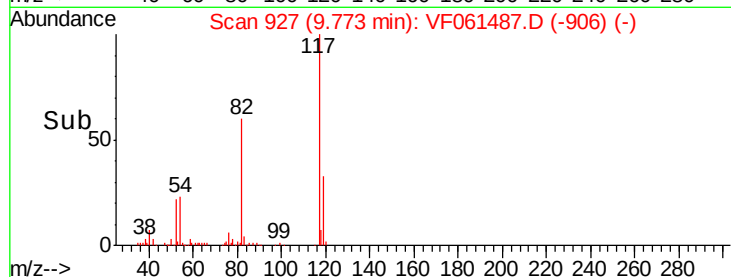
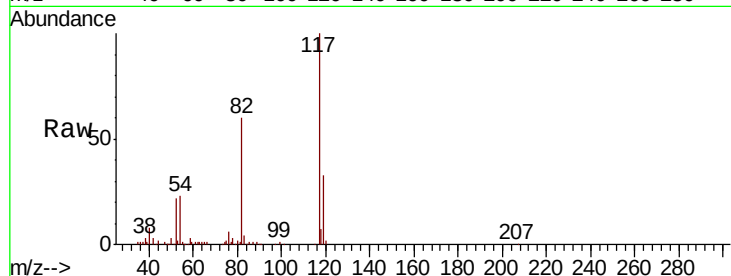
Tgt Ion:117 Resp: 156188

Ion Ratio Lower Upper

117 100

82 59.5 46.4 69.6

119 32.5 27.2 40.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VF061487.D

Acq: 23 Jan 2019 17:14

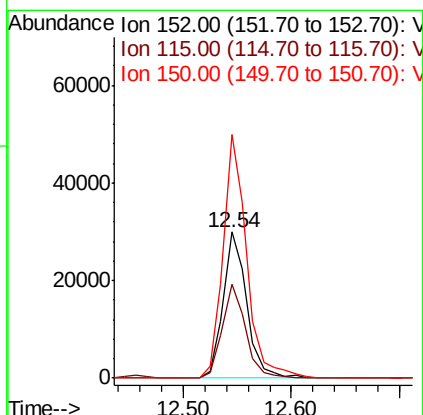
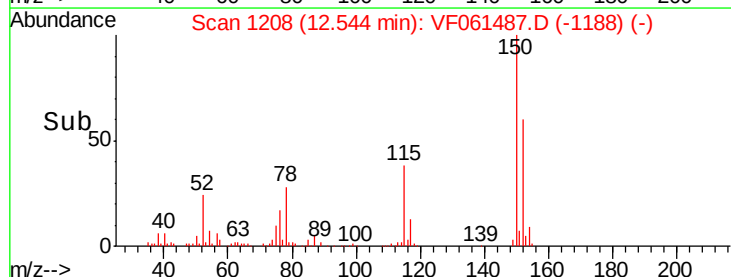
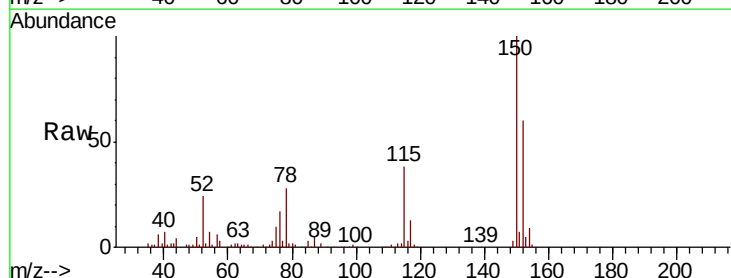
Tgt Ion:152 Resp: 45578

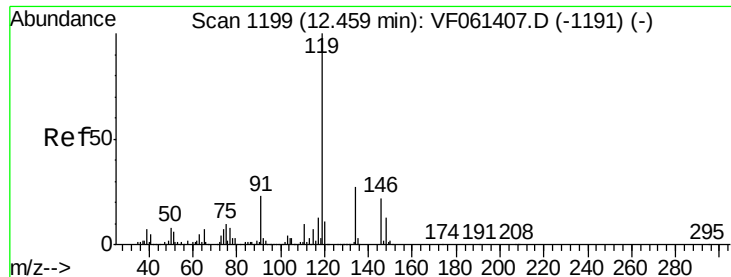
Ion Ratio Lower Upper

152 100

115 63.8 30.0 90.0

150 166.6 0.0 321.4

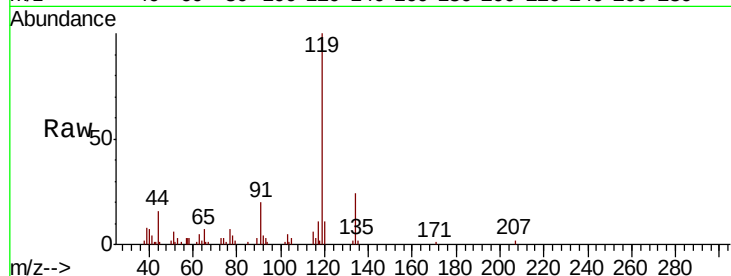




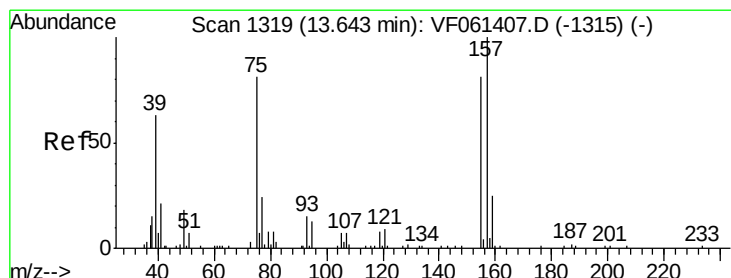
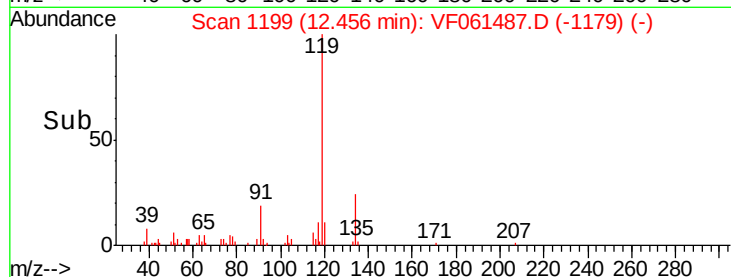
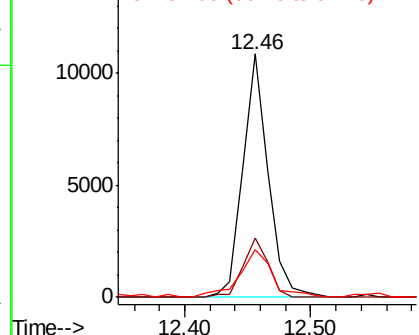
#86
 p-Isopropyltoluene
 Concen: 4.351 ug/l
 RT: 12.46 min Scan# 1199
 Delta R.T. -0.00 min
 Lab File: VF061487.D
 Acq: 23 Jan 2019 17:14

Instrument :
 MSVOA_F
 ClientSampleId :
 TS-Q

Tgt Ion:	119	Resp:	15018
Ion	Ratio	Lower	Upper
119	100		
134	24.1	13.4	40.2
91	19.9	11.4	34.2

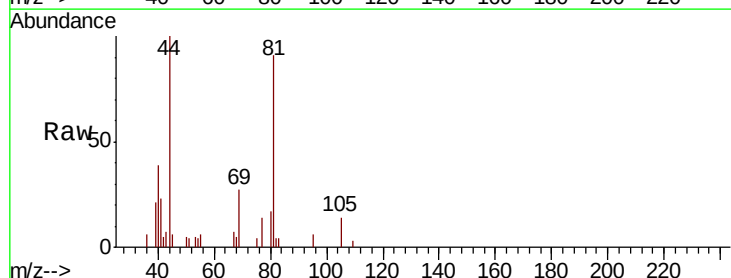


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V

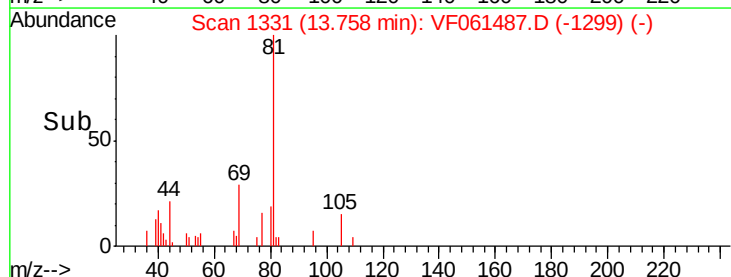
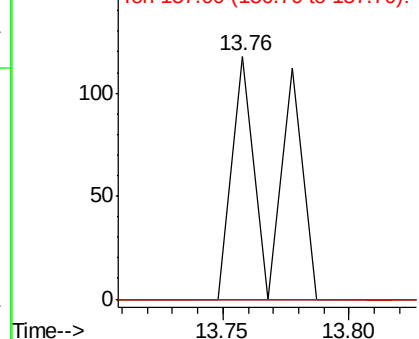


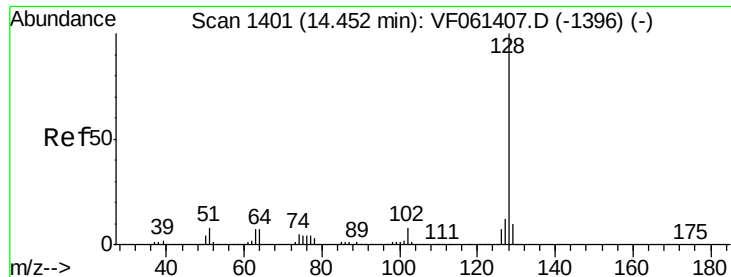
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.161 ug/l
 RT: 13.76 min Scan# 1331
 Delta R.T. 0.12 min
 Lab File: VF061487.D
 Acq: 23 Jan 2019 17:14

Tgt Ion:	75	Resp:	136
Ion	Ratio	Lower	Upper
75	100		
155	0.0	49.7	149.1#
157	0.0	61.4	184.1#



Abundance Ion 75.00 (74.70 to 75.70): VF0
 Ion 155.00 (154.70 to 155.70): V
 Ion 157.00 (156.70 to 157.70): V





#95
Naphthalene
Concen: 1.539 ug/l
RT: 14.45 min Scan# 1401
Delta R.T. -0.00 min
Lab File: VF061487.D
Acq: 23 Jan 2019 17:14

Instrument :
MSVOA_F
ClientSampleId :
TS-Q

Tgt Ion:128 Resp: 3000
Ion Ratio Lower Upper
128 100
127 7.9 9.5 14.3#
129 10.4 8.4 12.6

