

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF021419\
 Data File : VF061643.D
 Acq On : 14 Feb 2019 16:32
 Operator : VA/AP
 Sample : K1490-01
 Misc : 5.10g/5mL/MSVOA-F/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-1-214

Quant Time: Feb 15 00:48:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:27:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	287816	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.59	114	421847	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.77	117	234176	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.54	152	64612	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.84	65	83714	39.66	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	79.32%	
35) Dibromofluoromethane	4.10	113	135753	43.33	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	86.66%	
50) Toluene-d8	7.56	98	298838	33.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	66.36%	
62) 4-Bromofluorobenzene	11.41	95	74263	20.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	40.76%	

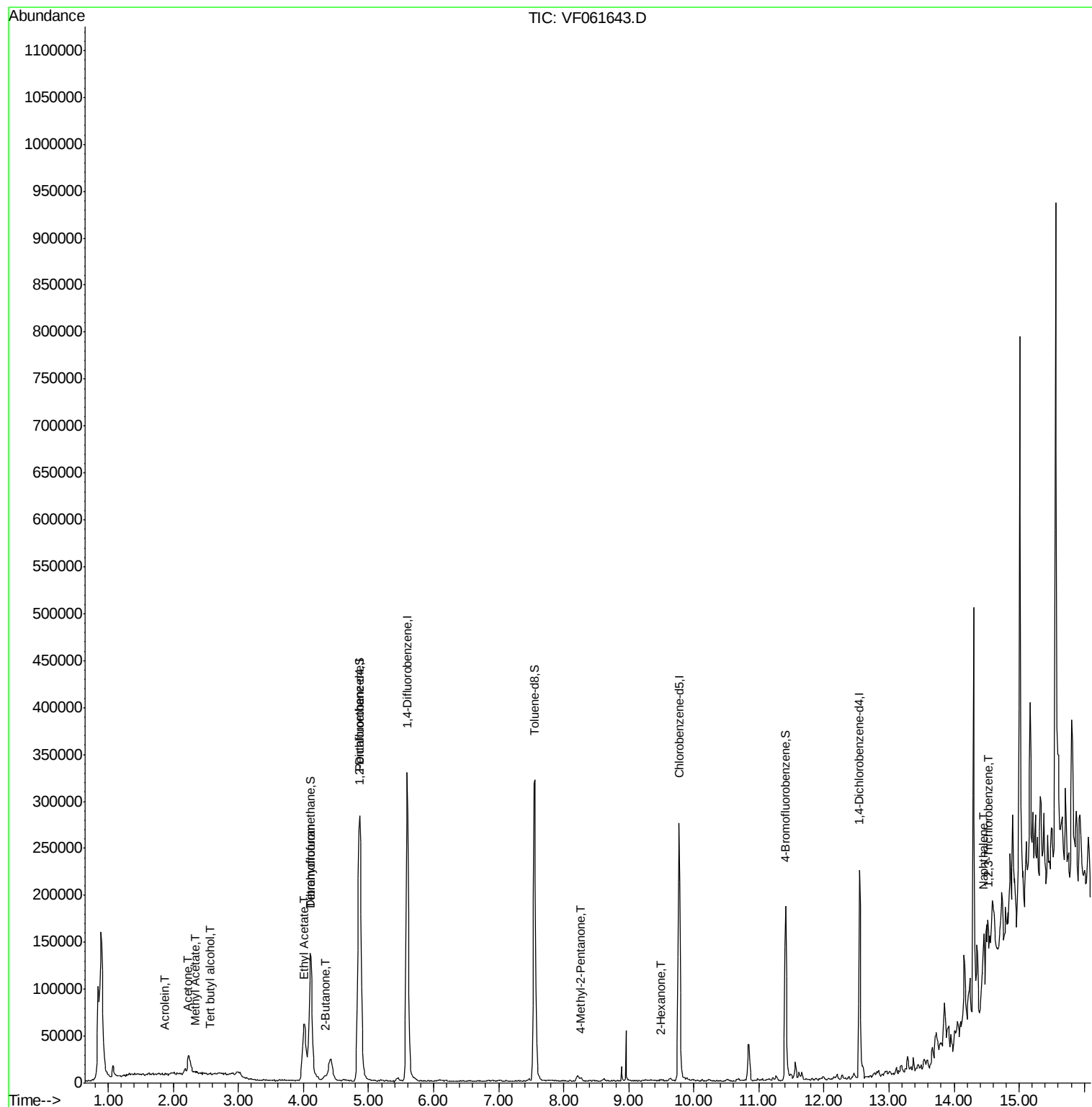
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.56	59	406	3.324	ug/l #	1
13) Acrolein	1.86	56	276	1.798	ug/l	92
16) Acetone	2.23	43	33298	73.532	ug/l	90
18) Methyl Acetate	2.34	43	2096	2.055	ug/l #	84
20) Methylene Chloride	2.18	84	2979	Below Cal	#	69
25) 2-Butanone	4.33	43	11305	11.429	ug/l	93
29) Tetrahydrofuran	4.09	42	1514	3.368	ug/l #	82
37) Ethyl Acetate	4.03	43	5123	2.639	ug/l #	81
51) 4-Methyl-2-Pentanone	8.27	43	3006	1.831	ug/l	98
59) 2-Hexanone	9.50	43	1255	1.091	ug/l	73
95) Naphthalene	14.46	128	13181	4.988	ug/l #	76
96) 1,2,3-Trichlorobenzene	14.54	180	1541	1.112	ug/l	67

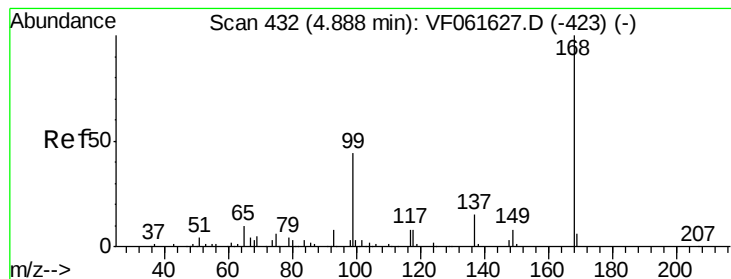
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF021419\
Data File : VF061643.D
Acq On : 14 Feb 2019 16:32
Operator : VA/AP
Sample : K1490-01
Misc : 5.10g/5mL/MSVOA-F/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
TP-1-214

Quant Time: Feb 15 00:48:05 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
Quant Title : SW846 8260
QLast Update : Thu Feb 14 03:27:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.02 min

Lab File: VF061643.D

Acq: 14 Feb 2019 16:32

Instrument :

MSVOA_F

ClientSampleId :

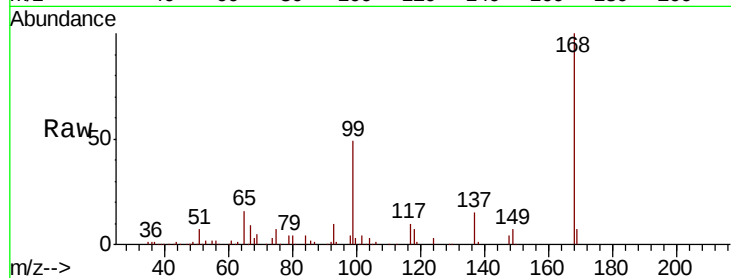
TP-1-214

Tgt Ion:168 Resp: 287816

Ion Ratio Lower Upper

168 100

99 49.1 34.9 52.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

80000

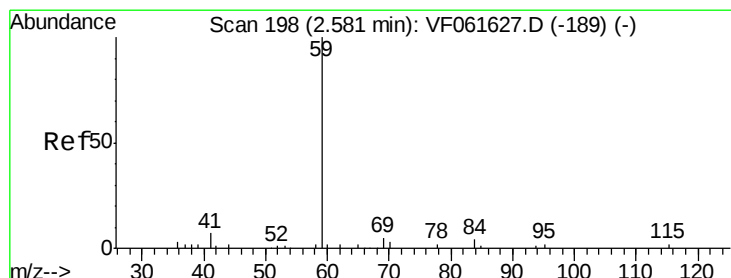
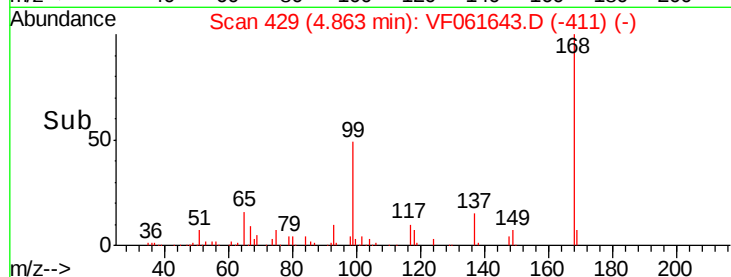
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 3.324 ug/l

RT: 2.56 min Scan# 195

Delta R.T. -0.02 min

Lab File: VF061643.D

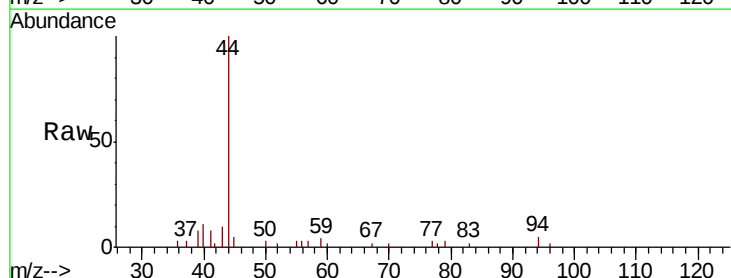
Acq: 14 Feb 2019 16:32

Tgt Ion: 59 Resp: 406

Ion Ratio Lower Upper

59 100

57 78.9 12.5 18.7#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.56

250

200

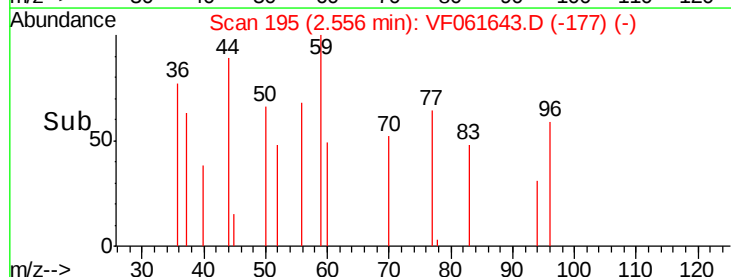
150

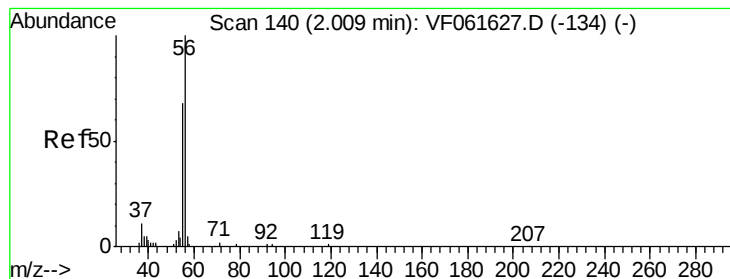
100

50

0

Time-->





#13

Acrolein

Concen: 1.798 ug/l

RT: 1.86 min Scan# 124

Delta R.T. -0.15 min

Lab File: VF061643.D

Acq: 14 Feb 2019 16:32

Instrument :

MSVOA_F

ClientSampleId :

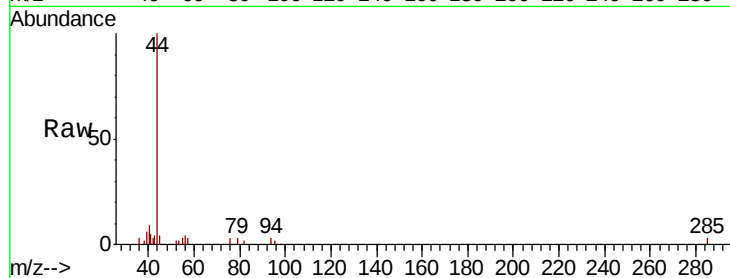
TP-1-214

Tgt Ion: 56 Resp: 276

Ion Ratio Lower Upper

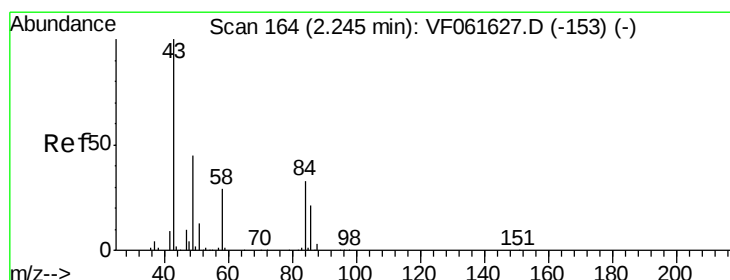
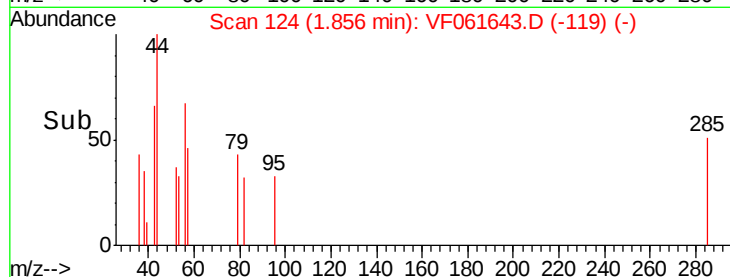
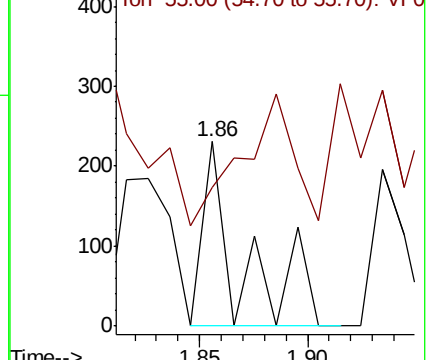
56 100

55 75.3 55.0 82.6



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#16

Acetone

Concen: 73.532 ug/l

RT: 2.23 min Scan# 162

Delta R.T. -0.01 min

Lab File: VF061643.D

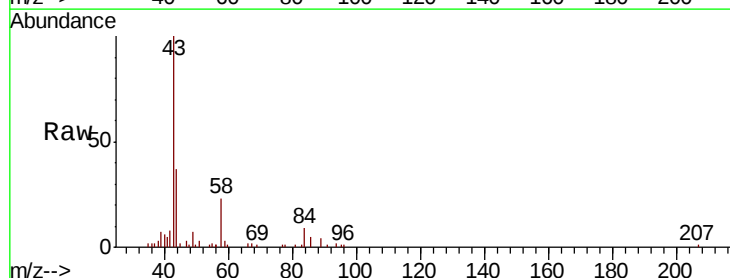
Acq: 14 Feb 2019 16:32

Tgt Ion: 43 Resp: 33298

Ion Ratio Lower Upper

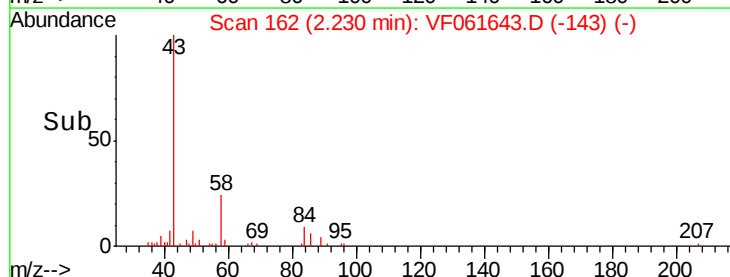
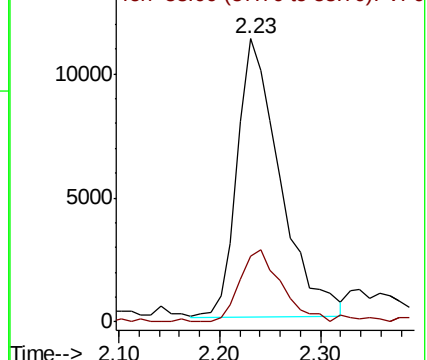
43 100

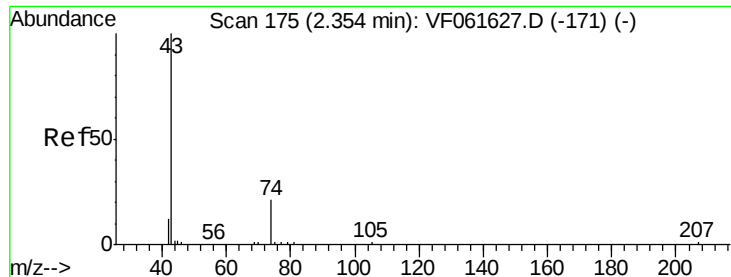
58 23.2 22.9 34.3



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

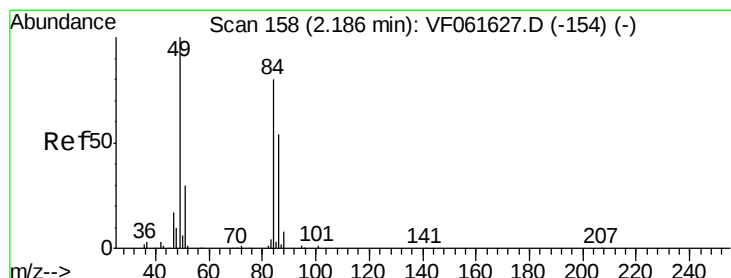
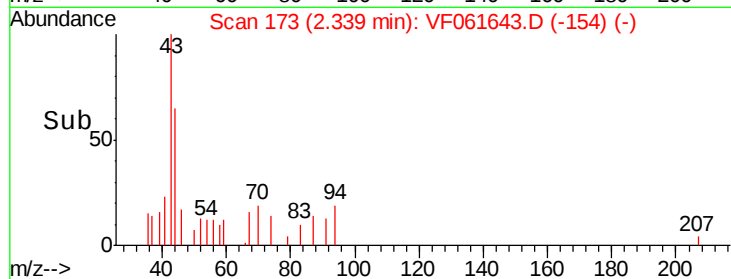
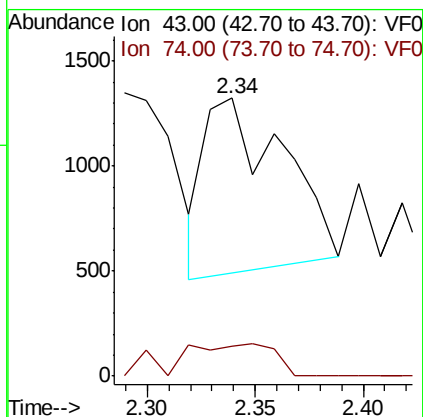
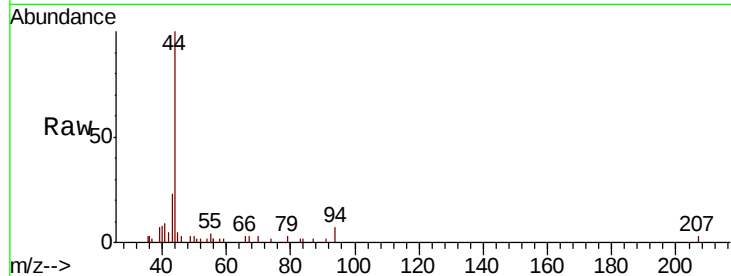




#18
Methyl Acetate
Concen: 2.055 ug/l
RT: 2.34 min Scan# 173
Delta R.T. -0.01 min
Lab File: VF061643.D
Acq: 14 Feb 2019 16:32

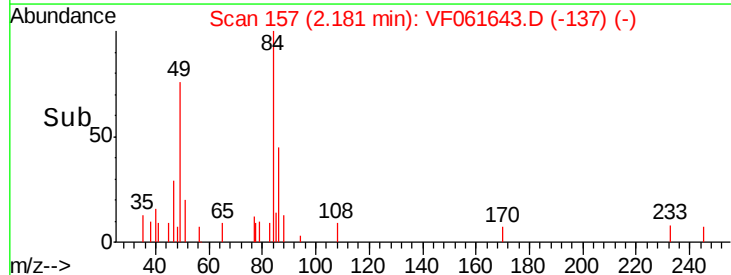
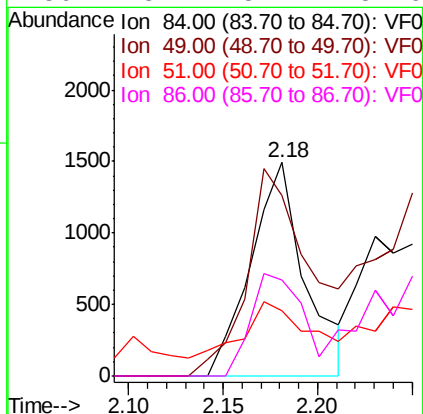
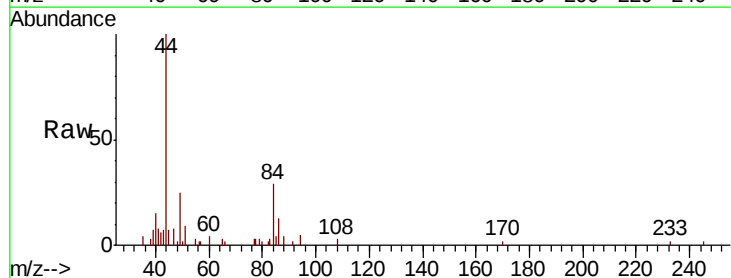
Instrument :
MSVOA_F
ClientSampleId :
TP-1-214

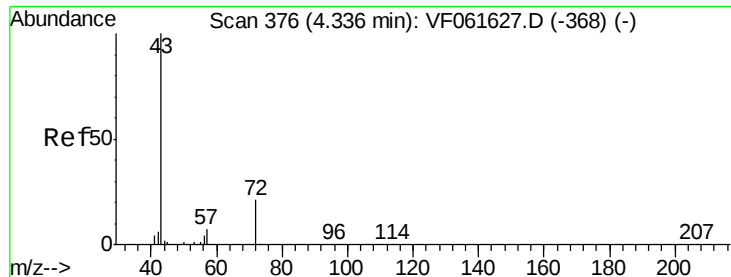
Tgt Ion: 43 Resp: 2096
Ion Ratio Lower Upper
43 100
74 10.9 14.6 21.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.18 min Scan# 157
Delta R.T. -0.00 min
Lab File: VF061643.D
Acq: 14 Feb 2019 16:32

Tgt Ion: 84 Resp: 2979
Ion Ratio Lower Upper
84 100
49 84.2 101.8 152.8#
51 30.5 31.1 46.7#
86 45.1 54.4 81.6#





#25

2-Butanone

Concen: 11.429 ug/l

RT: 4.33 min Scan# 375

Delta R.T. -0.00 min

Lab File: VF061643.D

Acq: 14 Feb 2019 16:32

Instrument :

MSVOA_F

ClientSampleId :

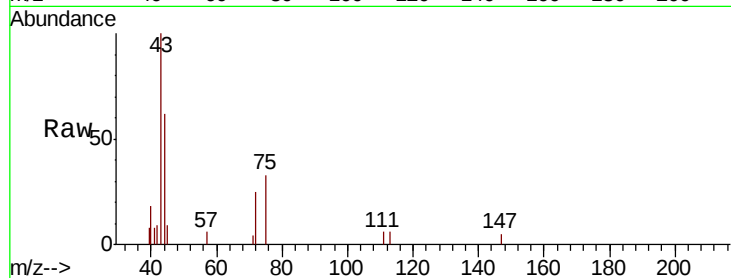
TP-1-214

Tgt Ion: 43 Resp: 11305

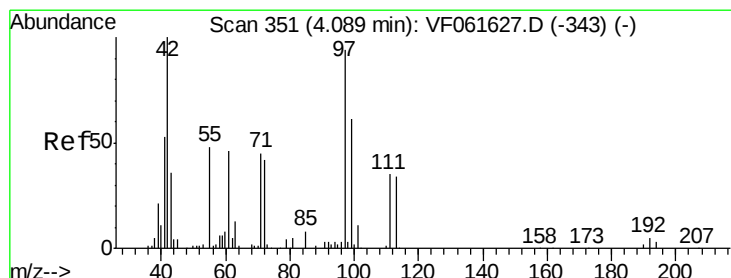
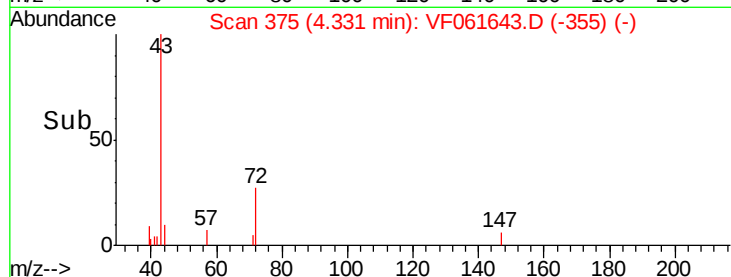
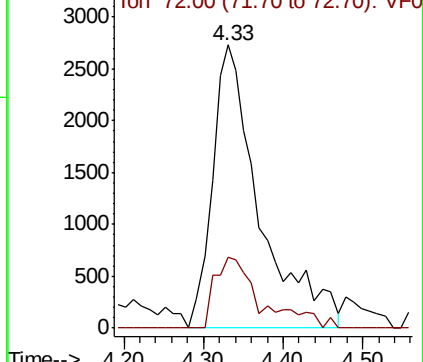
Ion Ratio Lower Upper

43 100

72 24.8 17.1 25.7



Abundance Ion 43.00 (42.70 to 43.70): VF0



#29

Tetrahydrofuran

Concen: 3.368 ug/l

RT: 4.09 min Scan# 351

Delta R.T. 0.00 min

Lab File: VF061643.D

Acq: 14 Feb 2019 16:32

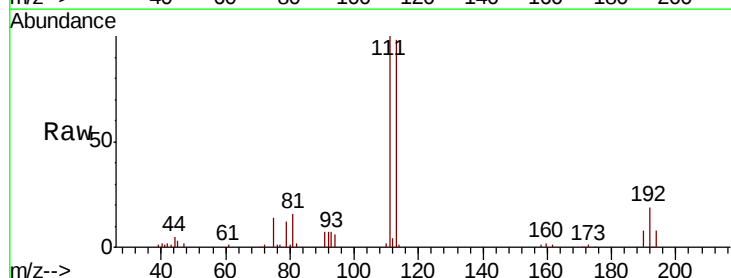
Tgt Ion: 42 Resp: 1514

Ion Ratio Lower Upper

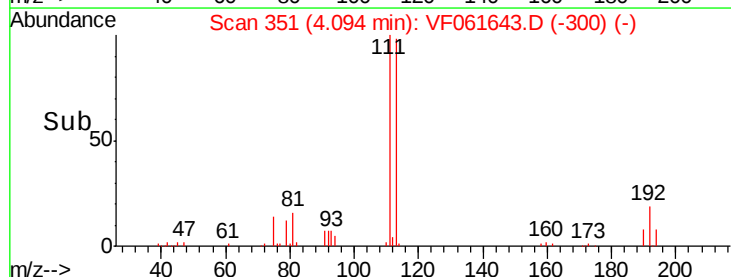
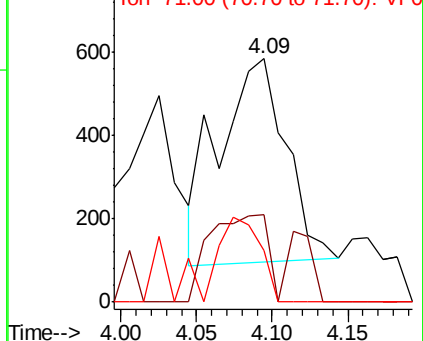
42 100

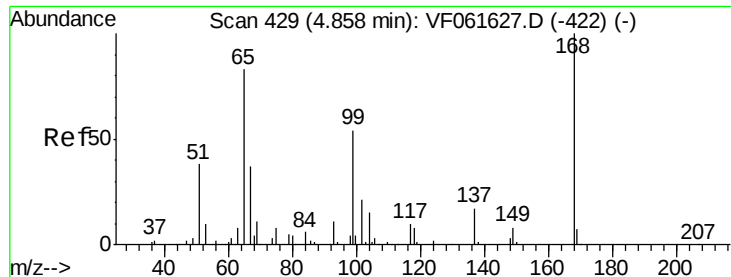
72 36.7 35.2 52.8

71 25.4 32.9 49.3#



Abundance Ion 42.00 (41.70 to 42.70): VF0

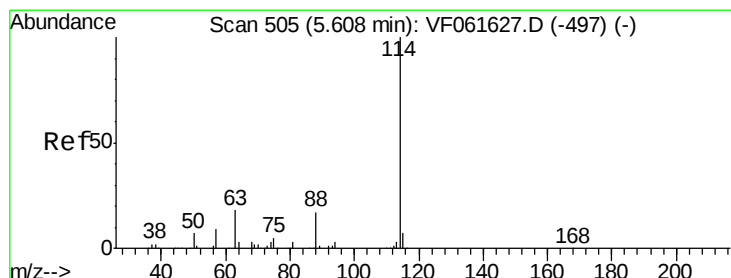
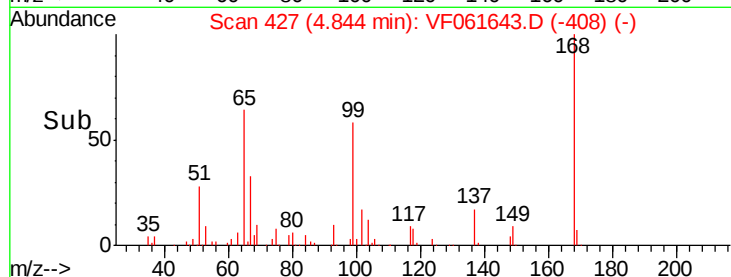
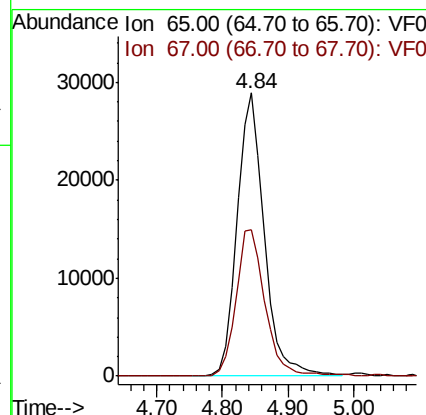
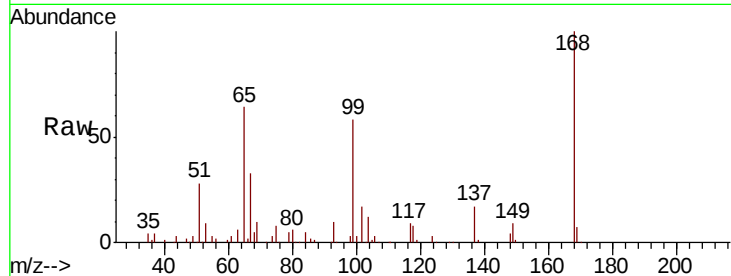




#33
 1,2-Dichloroethane-d4
 Concen: 39.664 ug/l
 RT: 4.84 min Scan# 427
 Delta R.T. -0.01 min
 Lab File: VF061643.D
 Acq: 14 Feb 2019 16:32

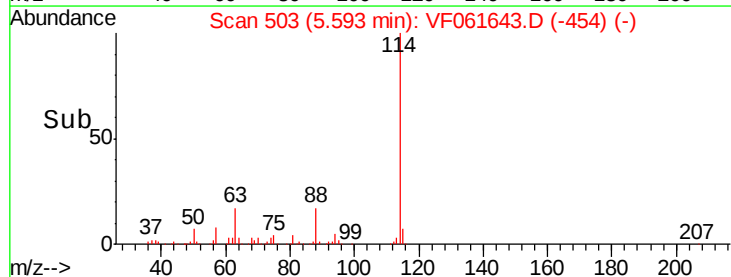
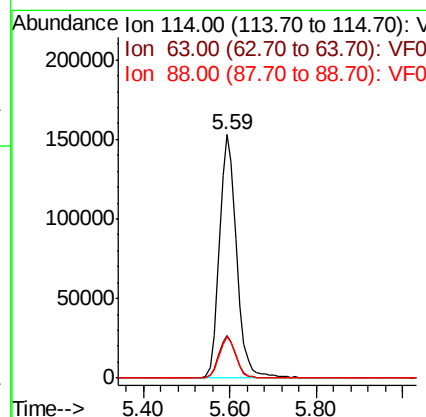
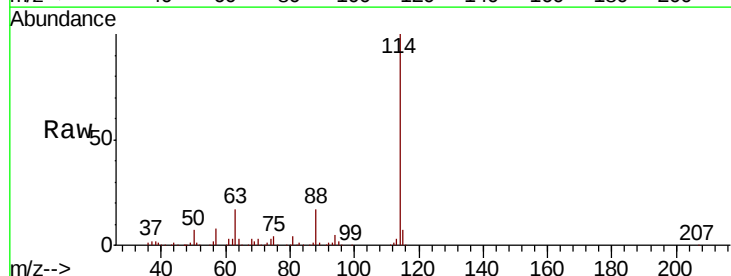
Instrument :
 MSVOA_F
 ClientSampleId :
 TP-1-214

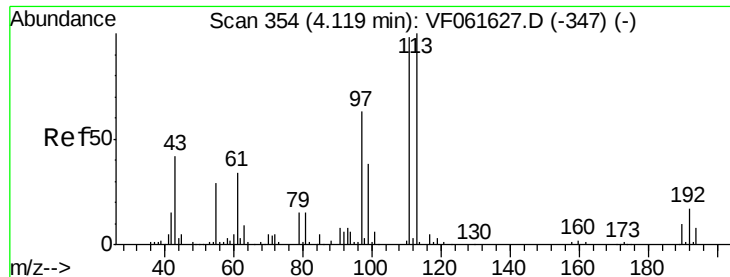
Tgt Ion: 65 Resp: 83714
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. -0.01 min
 Lab File: VF061643.D
 Acq: 14 Feb 2019 16:32

Tgt Ion: 114 Resp: 421847
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 36.6
 88 16.8 0.0 34.4





#35

Dibromofluoromethane

Concen: 43.335 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.01 min

Lab File: VF061643.D

Acq: 14 Feb 2019 16:32

Instrument :

MSVOA_F

ClientSampleId :

TP-1-214

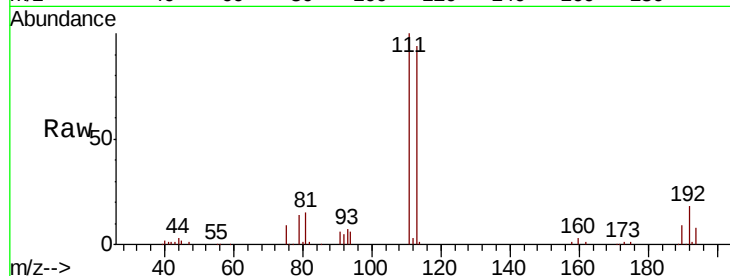
Tgt Ion: 113 Resp: 135753

Ion Ratio Lower Upper

113 100

111 106.0 78.8 118.2

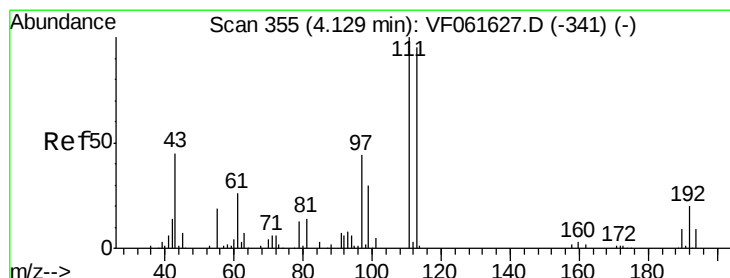
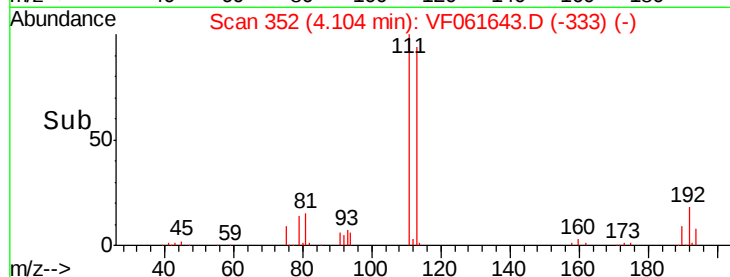
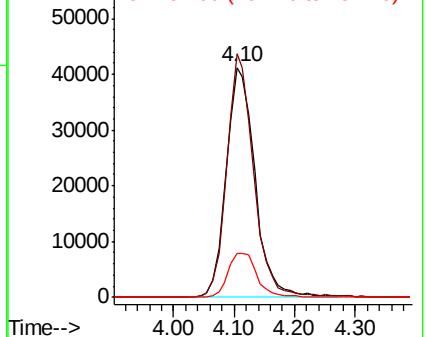
192 19.2 13.4 20.0



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



#37

Ethyl Acetate

Concen: 2.639 ug/l

RT: 4.03 min Scan# 344

Delta R.T. -0.10 min

Lab File: VF061643.D

Acq: 14 Feb 2019 16:32

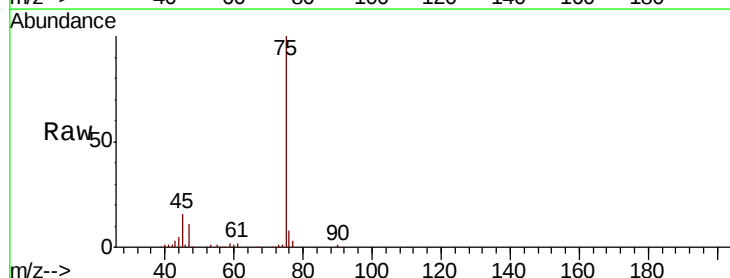
Tgt Ion: 43 Resp: 5123

Ion Ratio Lower Upper

43 100

61 44.4 45.7 68.5#

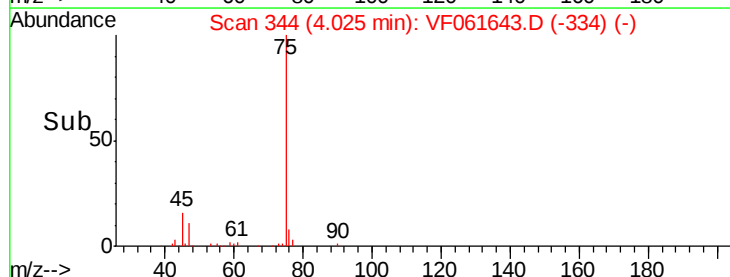
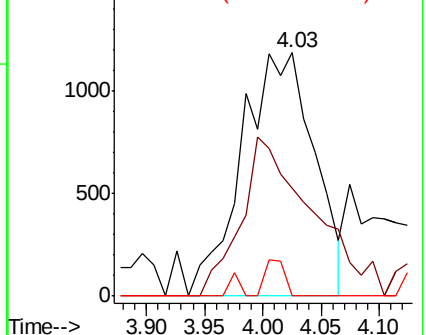
70 0.0 8.5 12.7#

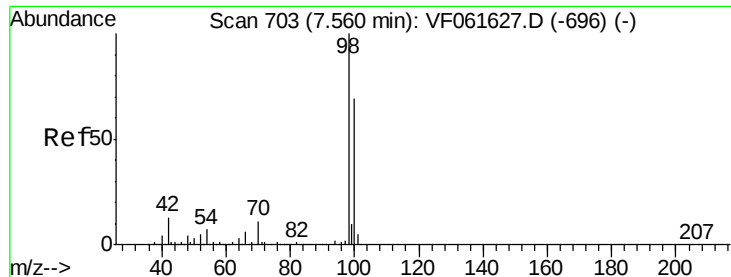


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

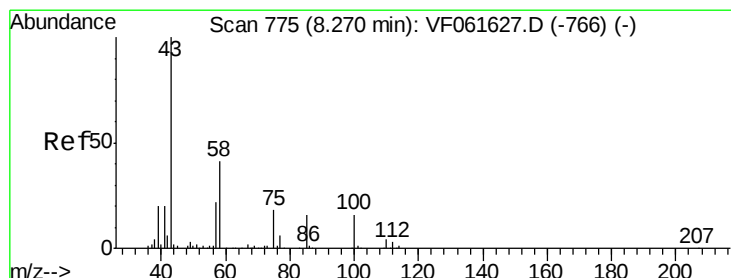
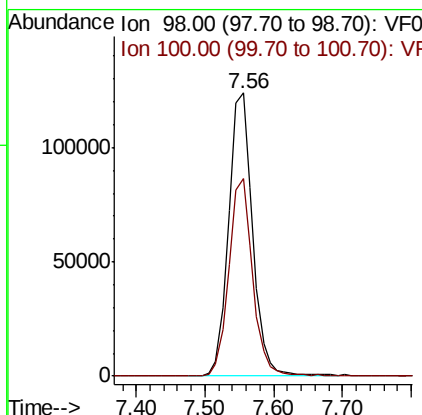
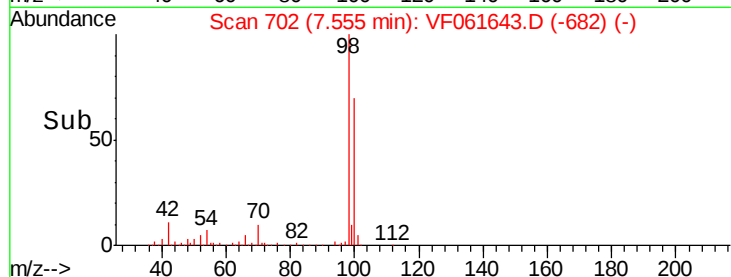
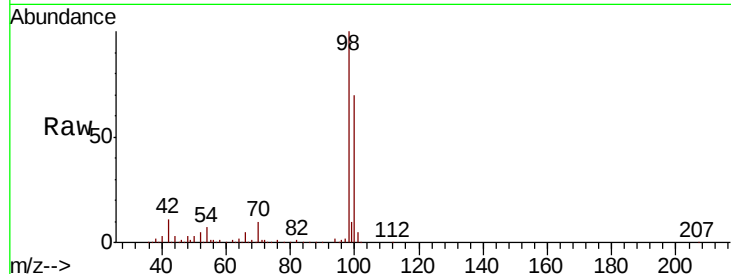




#50
Toluene-d8
Concen: 33.184 ug/l
RT: 7.56 min Scan# 702
Delta R.T. -0.00 min
Lab File: VF061643.D
Acq: 14 Feb 2019 16:32

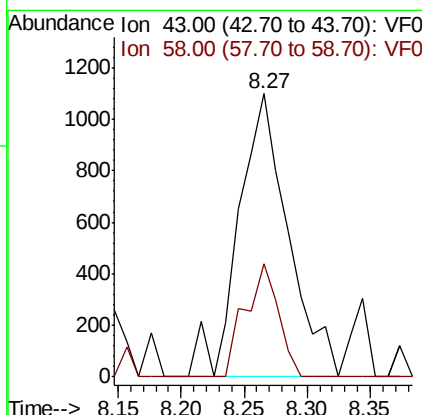
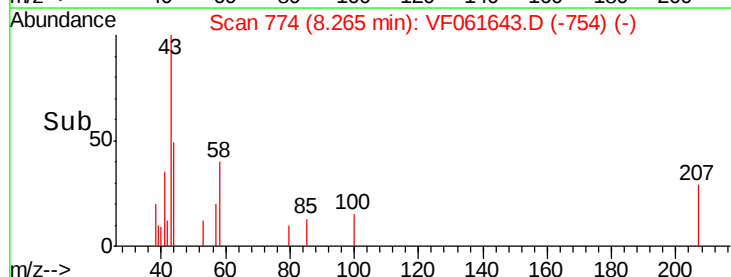
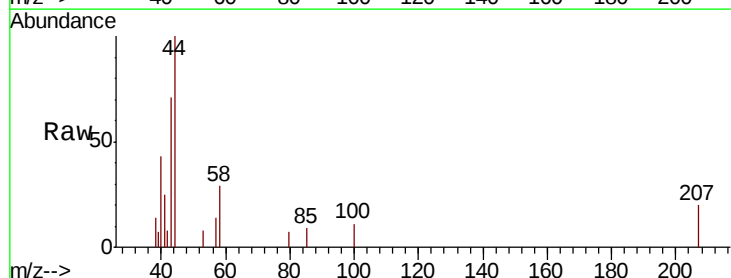
Instrument :
MSVOA_F
ClientSampleId :
TP-1-214

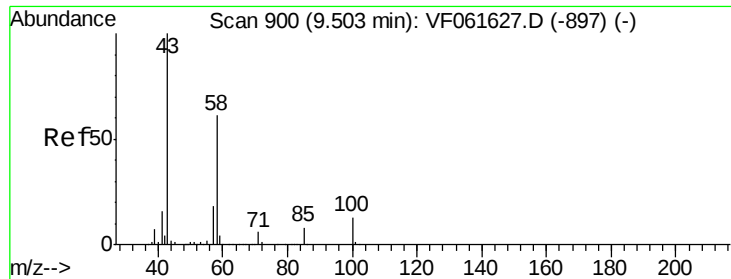
Tgt Ion: 98 Resp: 298838
Ion Ratio Lower Upper
98 100
100 69.7 55.4 83.2



#51
4-Methyl-2-Pentanone
Concen: 1.831 ug/l
RT: 8.27 min Scan# 774
Delta R.T. -0.00 min
Lab File: VF061643.D
Acq: 14 Feb 2019 16:32

Tgt Ion: 43 Resp: 3006
Ion Ratio Lower Upper
43 100
58 40.2 33.1 49.7

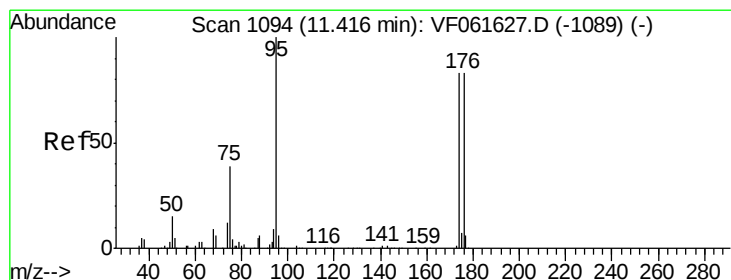
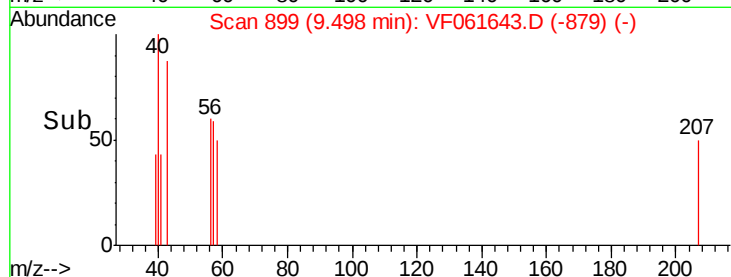
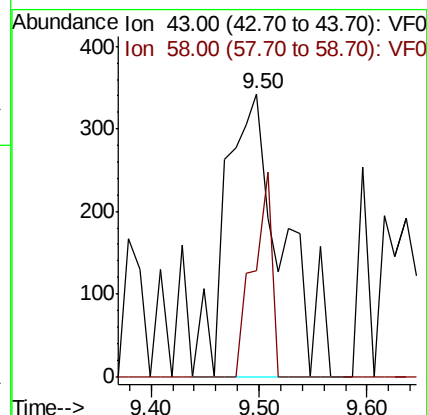
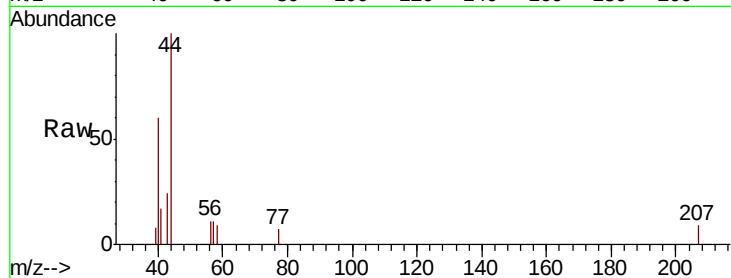




#59
2-Hexanone
Concen: 1.091 ug/l
RT: 9.50 min Scan# 899
Delta R.T. -0.00 min
Lab File: VF061643.D
Acq: 14 Feb 2019 16:32

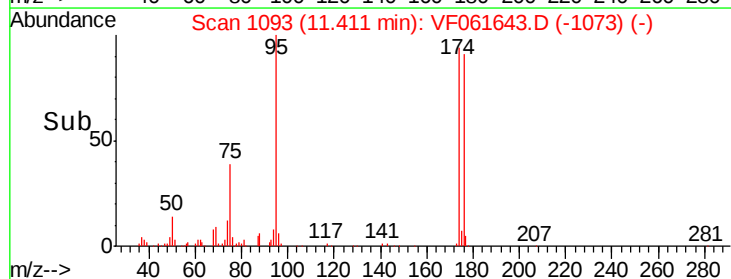
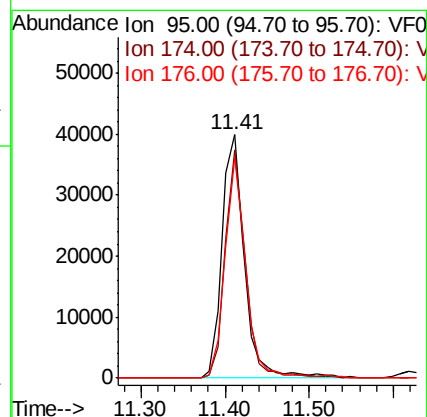
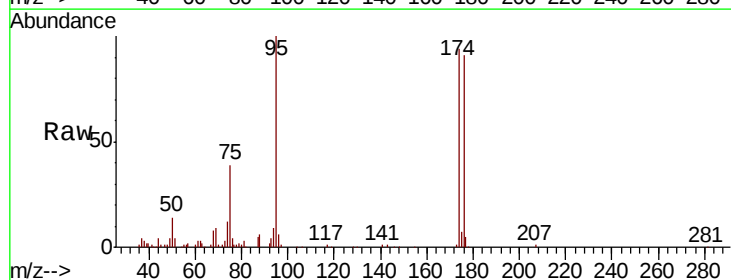
Instrument :
MSVOA_F
ClientSampled :
TP-1-214

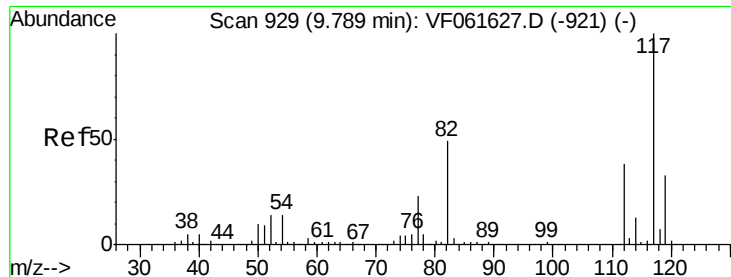
Tgt Ion: 43 Resp: 1255
Ion Ratio Lower Upper
43 100
58 37.3 28.5 85.5



#62
4-Bromofluorobenzene
Concen: 20.381 ug/l
RT: 11.41 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VF061643.D
Acq: 14 Feb 2019 16:32

Tgt Ion: 95 Resp: 74263
Ion Ratio Lower Upper
95 100
174 93.7 0.0 165.8
176 90.5 0.0 167.0

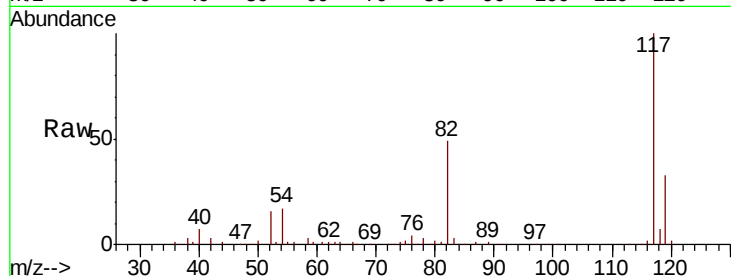




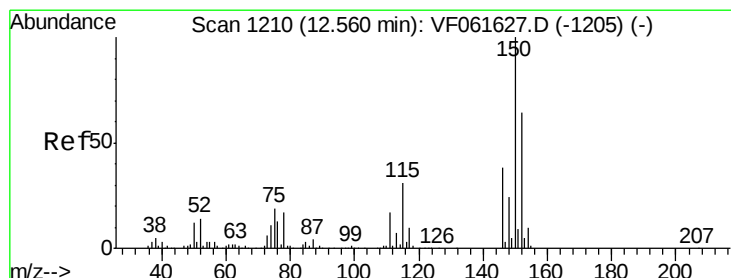
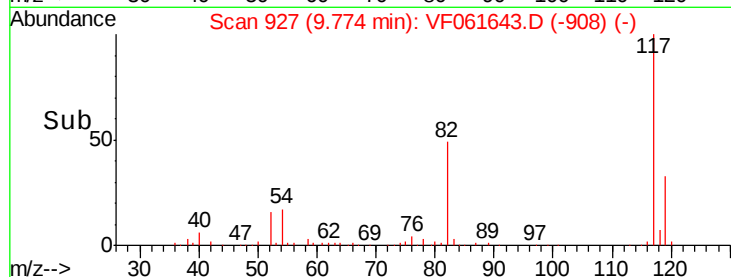
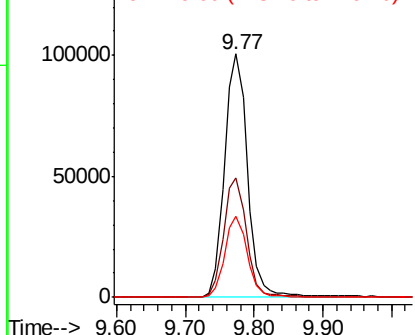
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.01 min
Lab File: VF061643.D
Acq: 14 Feb 2019 16:32

Instrument :
MSVOA_F
ClientSampled :
TP-1-214

Tgt Ion:117 Resp: 234176
Ion Ratio Lower Upper
117 100
82 49.0 39.3 58.9
119 33.0 26.6 40.0

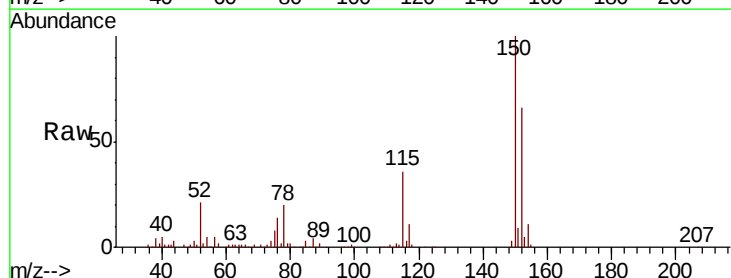


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

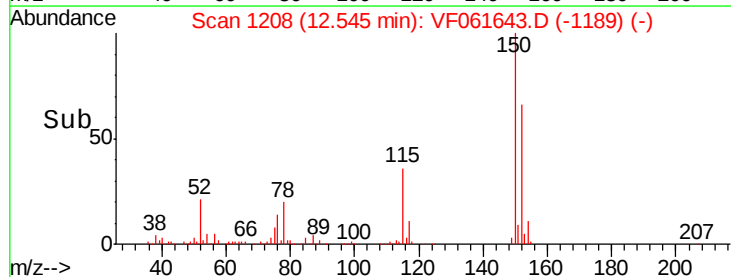
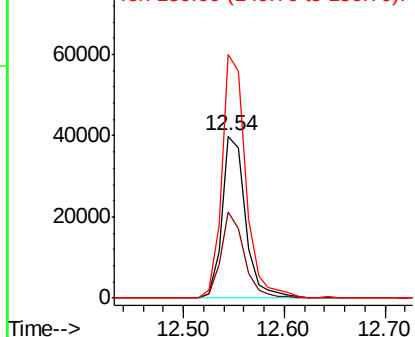


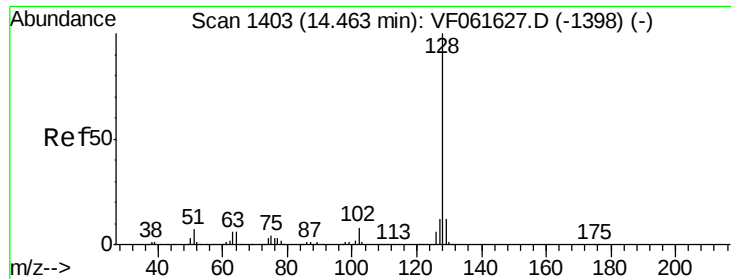
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.01 min
Lab File: VF061643.D
Acq: 14 Feb 2019 16:32

Tgt Ion:152 Resp: 64612
Ion Ratio Lower Upper
152 100
115 53.6 24.3 72.8
150 150.5 0.0 312.0



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V

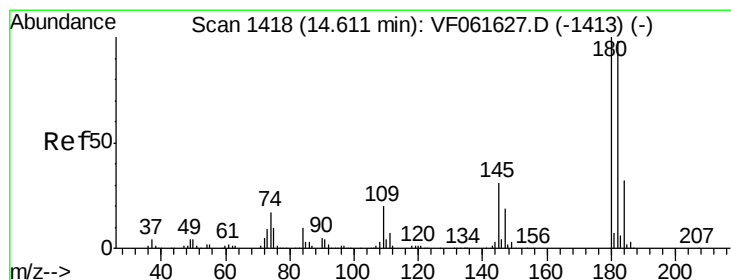
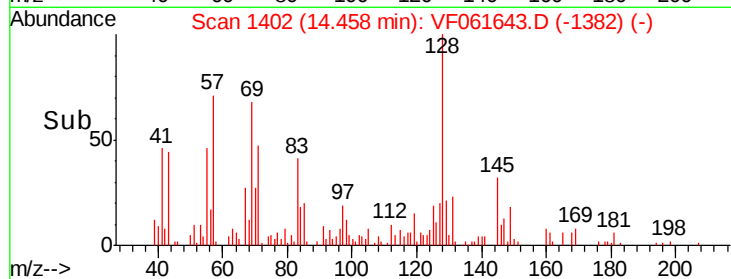
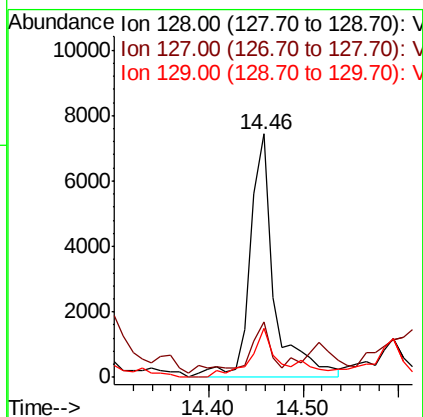
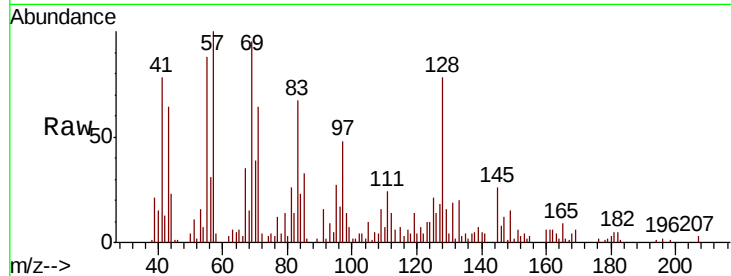




#95
Naphthalene
Concen: 4.988 ug/l
RT: 14.46 min Scan# 1402
Delta R.T. -0.00 min
Lab File: VF061643.D
Acq: 14 Feb 2019 16:32

Instrument :
MSVOA_F
ClientSampled :
TP-1-214

Tgt Ion:128 Resp: 13181
Ion Ratio Lower Upper
128 100
127 22.5 9.8 14.6#
129 20.1 9.4 14.2#



#96
1,2,3-Trichlorobenzene
Concen: 1.112 ug/l
RT: 14.54 min Scan# 1410
Delta R.T. -0.07 min
Lab File: VF061643.D
Acq: 14 Feb 2019 16:32

Tgt Ion:180 Resp: 1541
Ion Ratio Lower Upper
180 100
182 61.3 49.0 147.2
145 42.4 15.4 46.1

