

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060519\
 Data File : VF062871.D
 Acq On : 5 Jun 2019 17:57
 Operator : FY/SY
 Sample : K3183-01
 Misc : 5.98g/5mL/MSVOA F/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 06 08:03:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 04:18:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.08	168	655638	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.80	114	1114455	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	880564	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	286383	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.06	65	176574	38.95	ug/l	0.00
Spiked Amount			Recovery	=	77.90%	
35) Dibromofluoromethane	4.33	113	365874	43.45	ug/l	0.00
Spiked Amount			Recovery	=	86.90%	
50) Toluene-d8	7.73	98	777984	36.53	ug/l	0.00
Spiked Amount			Recovery	=	73.06%	
62) 4-Bromofluorobenzene	11.51	95	259226	33.84	ug/l	0.00
Spiked Amount			Recovery	=	67.68%	

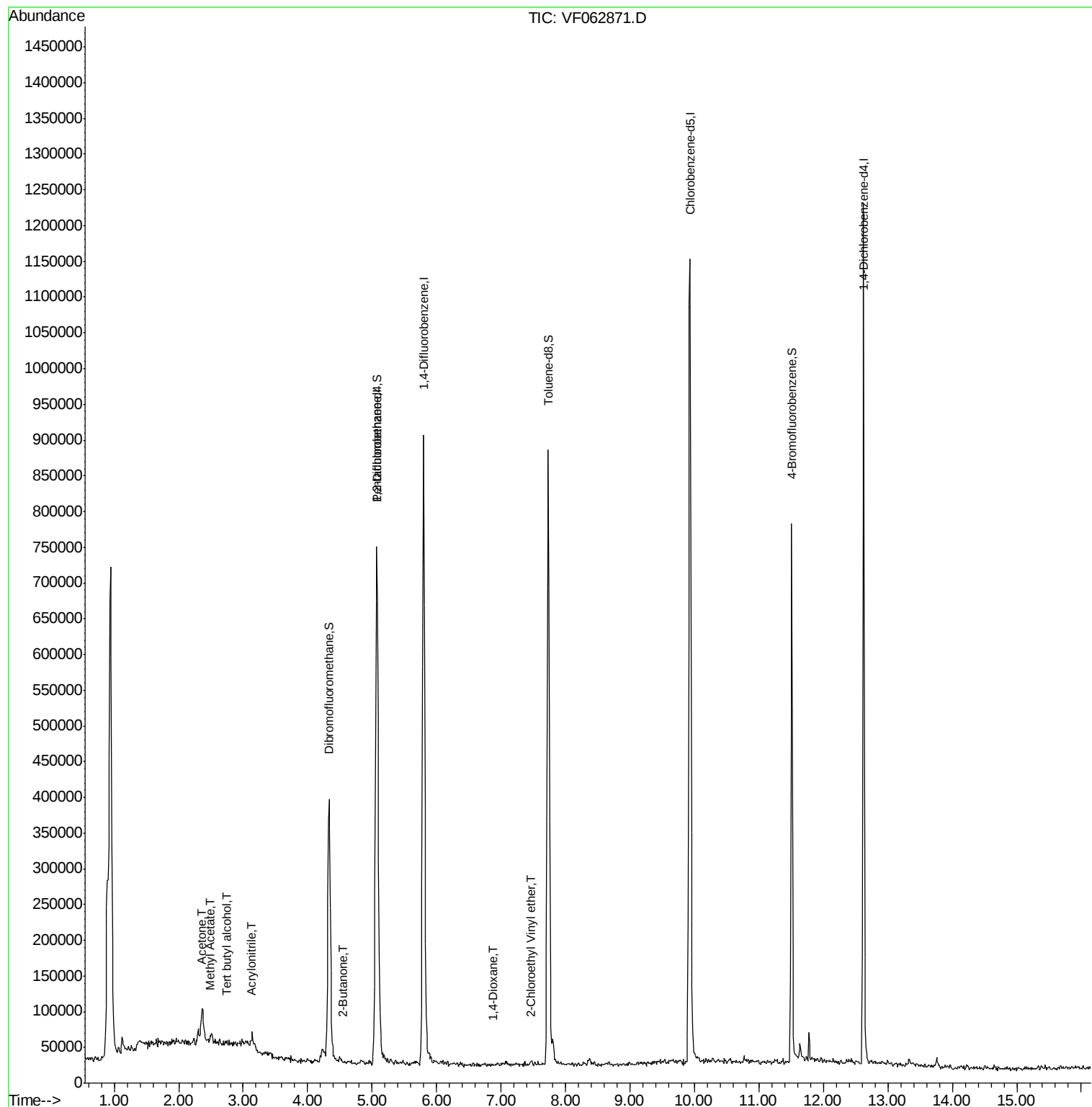
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.03	85	508	Below Cal		80
11) Tert butyl alcohol	2.75	59	3175	11.560	ug/l #	49
13) Acrolein	1.96	56	684	Below Cal		85
15) Acrylonitrile	3.12	53	2726	2.641	ug/l #	49
16) Acetone	2.37	43	68165	65.690	ug/l	92
18) Methyl Acetate	2.49	43	13218	7.289	ug/l #	87
20) Methylene Chloride	2.36	84	7864	Below Cal		98
25) 2-Butanone	4.55	43	3406	1.409	ug/l #	77
49) 1,4-Dioxane	6.89	88	506	14.378	ug/l #	83
58) 2-Chloroethyl Vinyl ether	7.47	63	3332	1.849	ug/l #	70

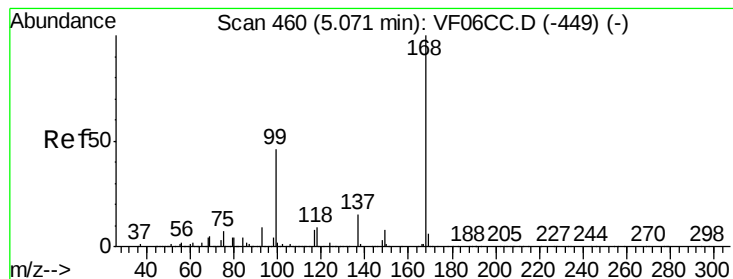
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri May 31 04:18:30 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.08 min Scan# 461

Delta R.T. 0.01 min

Lab File: VF062871.D

Acq: 5 Jun 2019 17:57

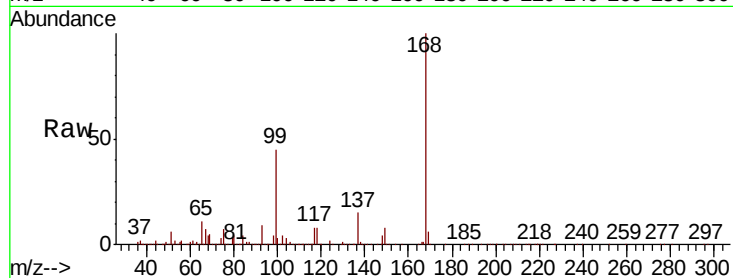
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 655638

Ion Ratio Lower Upper

168 100

99 45.3 39.1 58.7



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.08

250000

200000

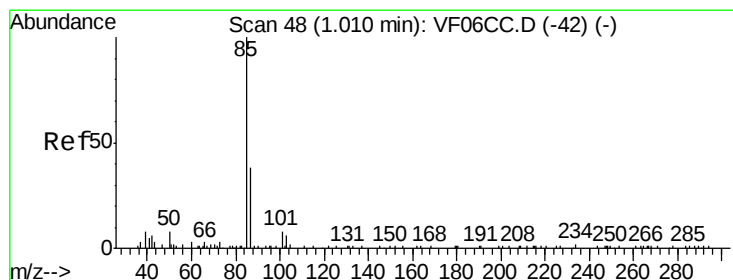
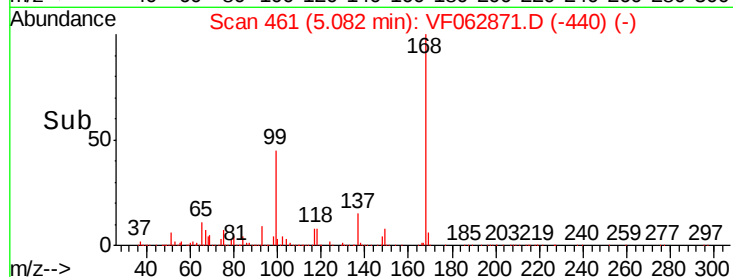
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.03 min Scan# 50

Delta R.T. 0.02 min

Lab File: VF062871.D

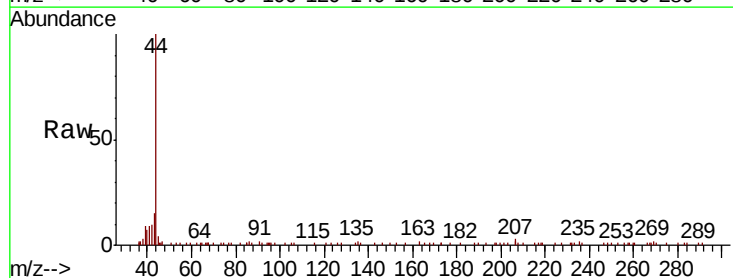
Acq: 5 Jun 2019 17:57

Tgt Ion: 85 Resp: 508

Ion Ratio Lower Upper

85 100

87 47.1 17.6 52.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.03

500

400

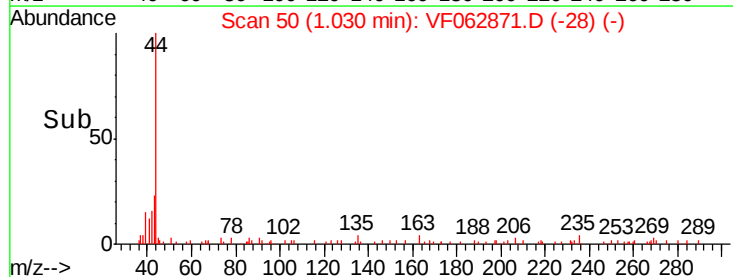
300

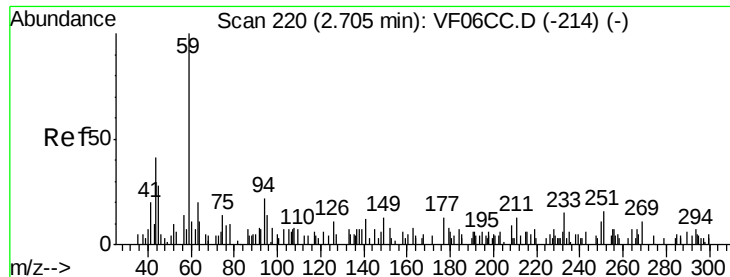
200

100

0

Time-->



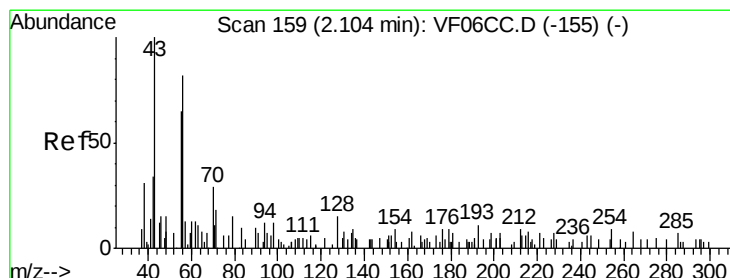
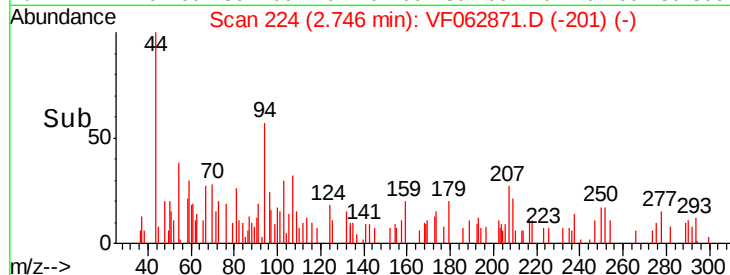
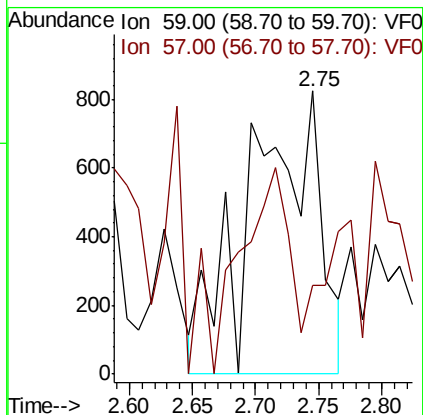
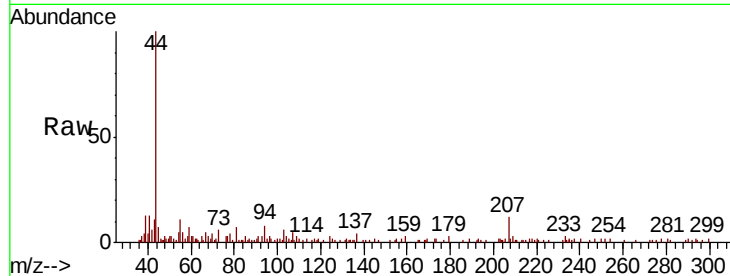


#11

Tert butvl alcohol
Concen: 11.560 ug/l
RT: 2.75 min Scan# 224
Delta R.T. 0.03 min
Lab File: VF062871.D
Acq: 5 Jun 2019 17:57

Instrument :
MSVOA_F
ClientSampleId :

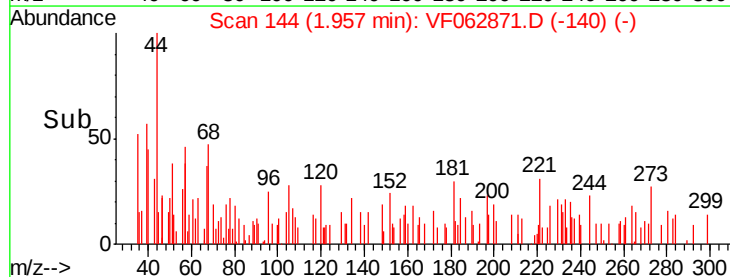
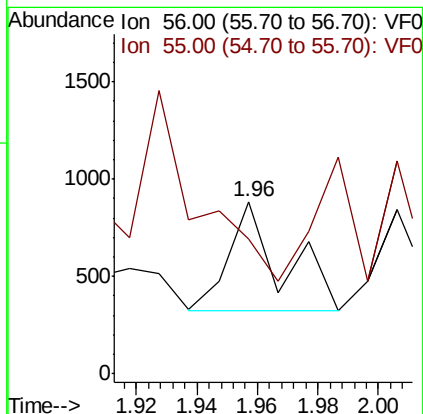
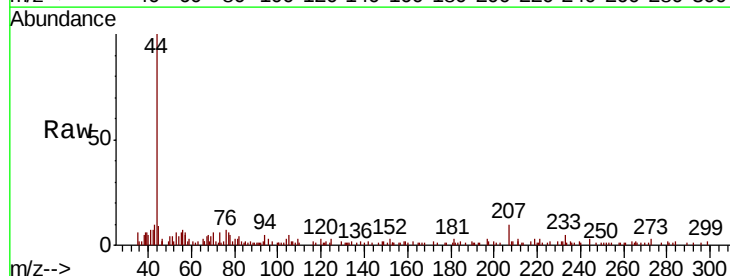
Tot Ion: 59 Resp: 3175
Ion Ratio Lower Upper
59 100
57 31.2 9.2 13.8#

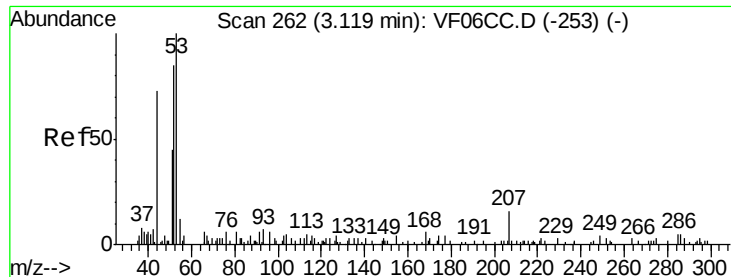


#13

Acrolein
Concen: Below Cal
RT: 1.96 min Scan# 144
Delta R.T. -0.16 min
Lab File: VF062871.D
Acq: 5 Jun 2019 17:57

Tgt Ion: 56 Resp: 684
Ion Ratio Lower Upper
56 100
55 78.3 52.9 79.3





#15

Acrylonitrile

Concen: 2.641 ug/l

RT: 3.12 min Scan# 262

Delta R.T. 0.01 min

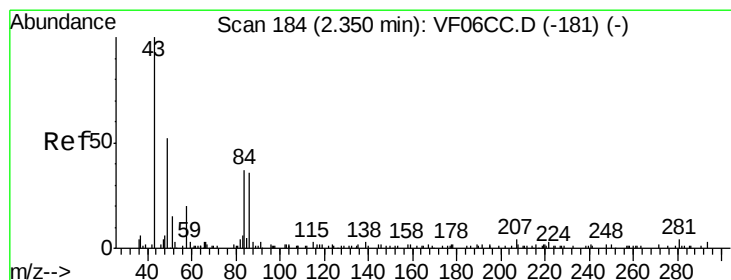
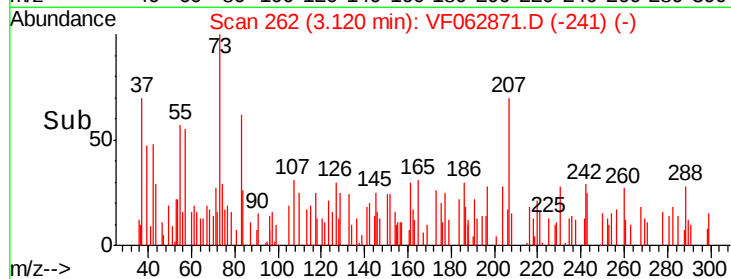
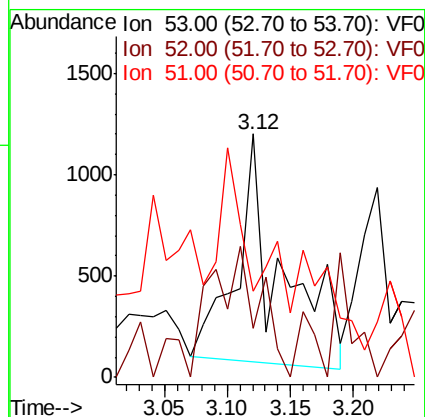
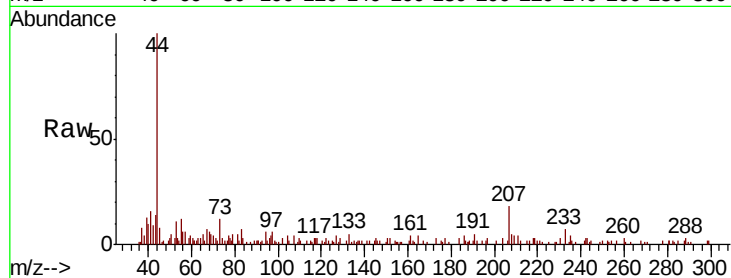
Lab File: VF062871.D

Acq: 5 Jun 2019 17:57

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 53 Resp: 2726

Ion	Ratio	Lower	Upper
53	100		
52	20.0	68.1	102.1#
51	35.3	27.7	41.5



#16

Acetone

Concen: 65.690 ug/l

RT: 2.37 min Scan# 186

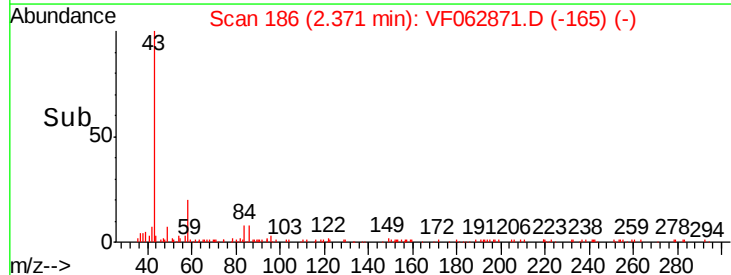
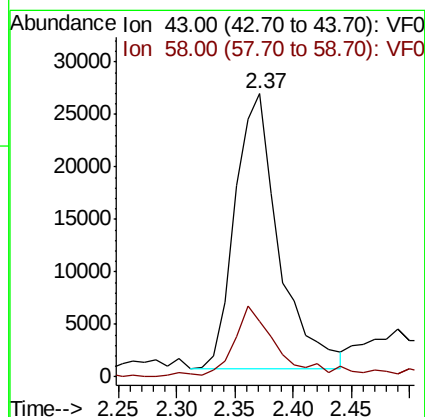
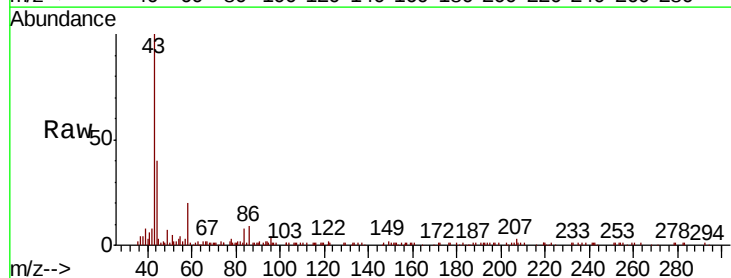
Delta R.T. 0.01 min

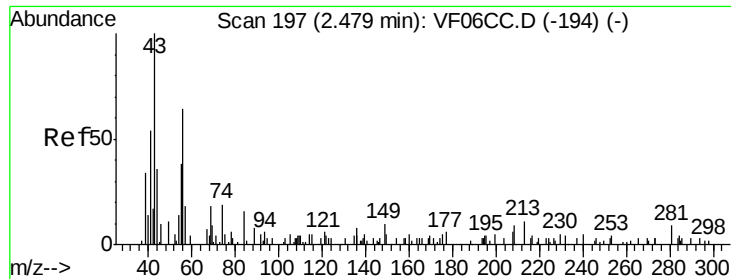
Lab File: VF062871.D

Acq: 5 Jun 2019 17:57

Tgt Ion: 43 Resp: 68165

Ion	Ratio	Lower	Upper
43	100		
58	19.6	19.0	28.4

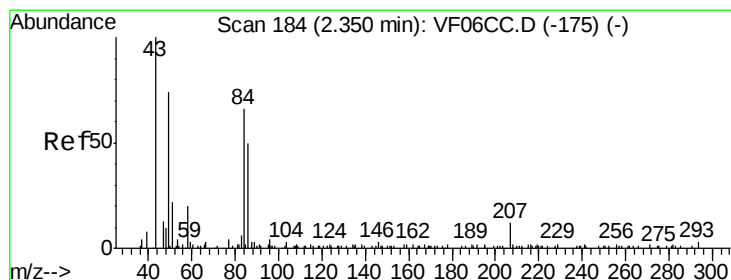
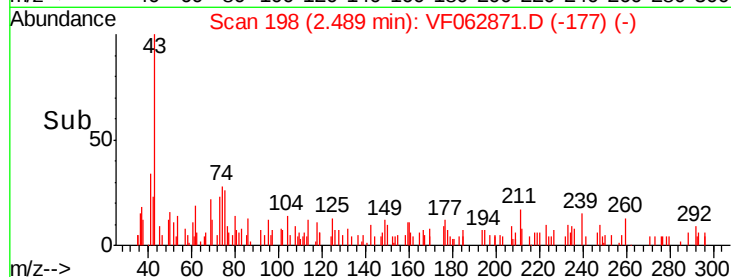
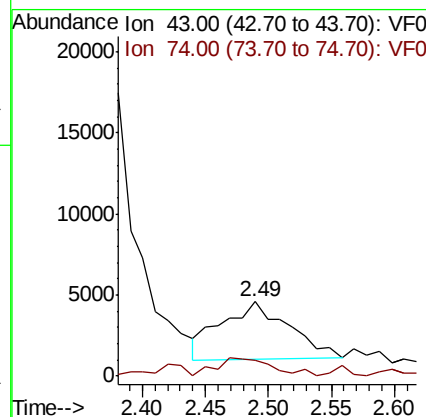
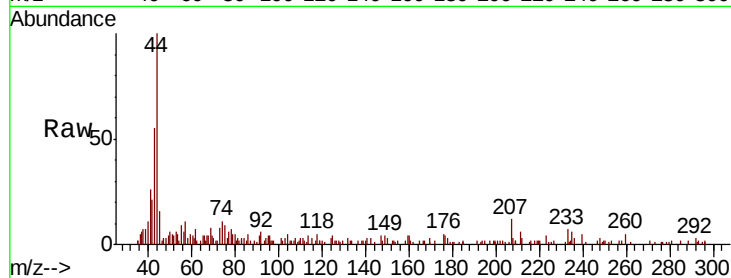




#18
Methyl Acetate
Concen: 7.289 ug/l
RT: 2.49 min Scan# 198
Delta R.T. 0.01 min
Lab File: VF062871.D
Acq: 5 Jun 2019 17:57

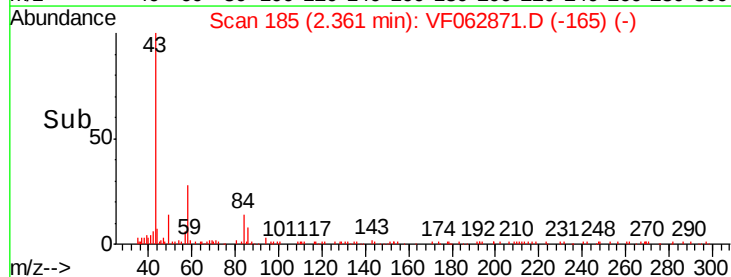
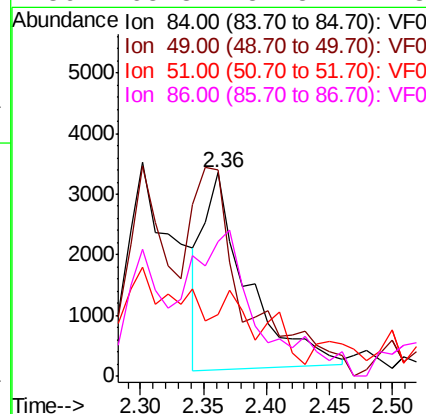
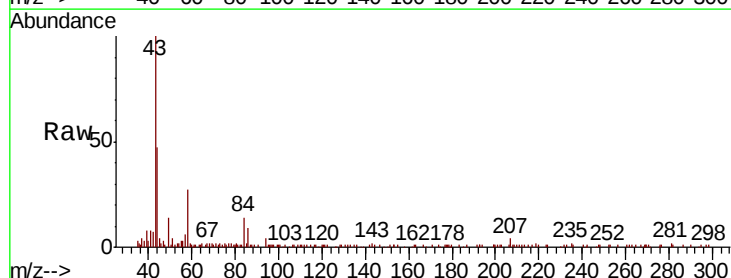
Instrument :
MSVOA_F
ClientSampleId :

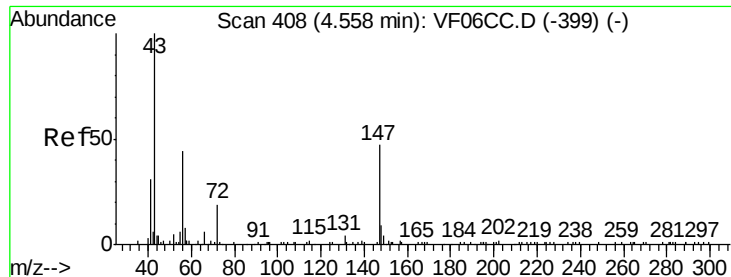
Tot Ion: 43 Resp: 13218
Ion Ratio Lower Upper
43 100
74 20.7 22.1 33.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.36 min Scan# 185
Delta R.T. -0.00 min
Lab File: VF062871.D
Acq: 5 Jun 2019 17:57

Tgt Ion: 84 Resp: 7864
Ion Ratio Lower Upper
84 100
49 101.4 82.6 123.8
51 30.4 25.0 37.4
86 65.8 51.5 77.3

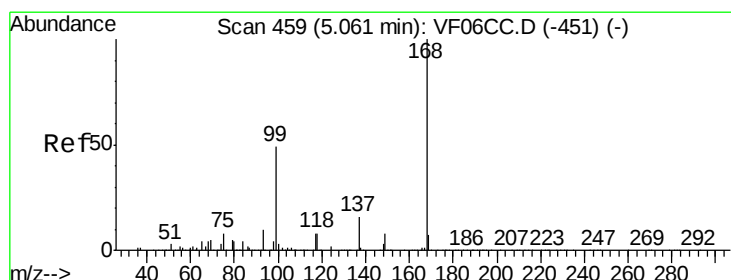
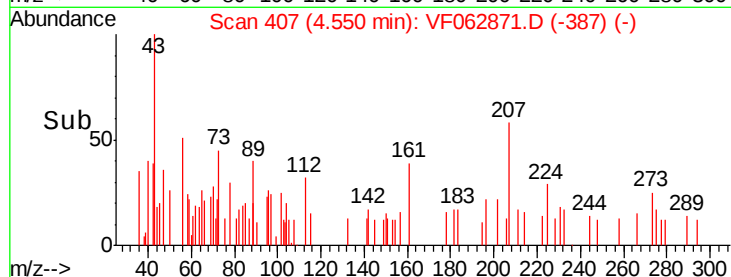
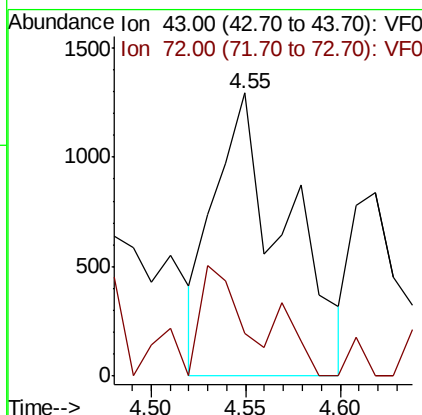
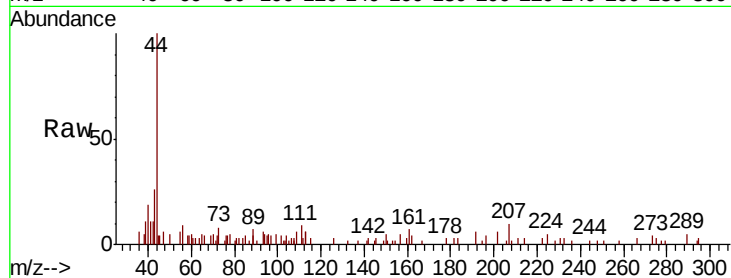




#25
2-Butanone
Concen: 1.409 ug/l
RT: 4.55 min Scan# 407
Delta R.T. -0.00 min
Lab File: VF062871.D
Acq: 5 Jun 2019 17:57

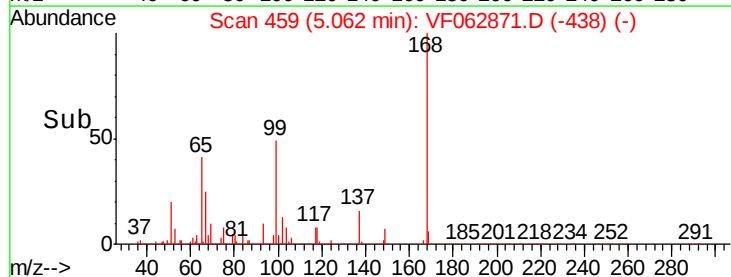
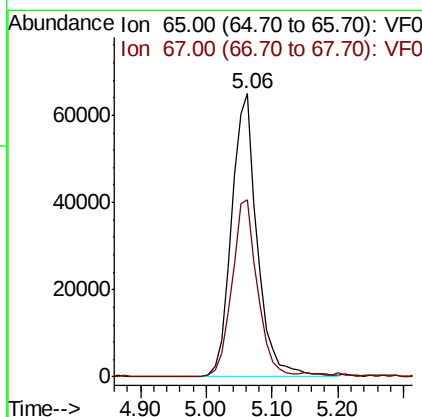
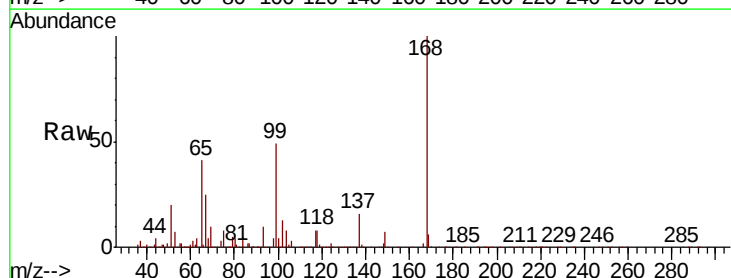
Instrument :
MSVOA_F
ClientSampleId :

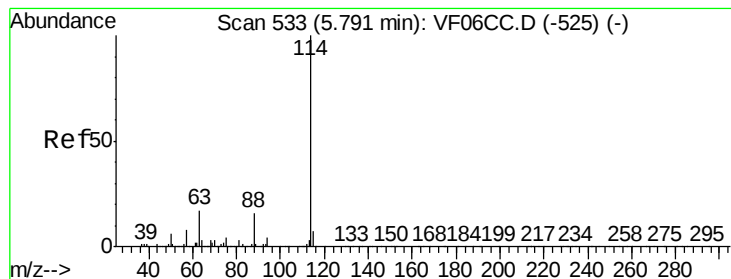
Tot Ion: 43 Resp: 3406
Ion Ratio Lower Upper
43 100
72 15.0 21.4 32.0#



#33
1,2-Dichloroethane-d4
Concen: 38.946 ug/l
RT: 5.06 min Scan# 459
Delta R.T. 0.01 min
Lab File: VF062871.D
Acq: 5 Jun 2019 17:57

Tgt Ion: 65 Resp: 176574
Ion Ratio Lower Upper
65 100
67 62.6 0.0 121.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.80 min Scan# 534

Delta R.T. -0.00 min

Lab File: VF062871.D

Acq: 5 Jun 2019 17:57

Instrument :

MSVOA_F

ClientSampleId :

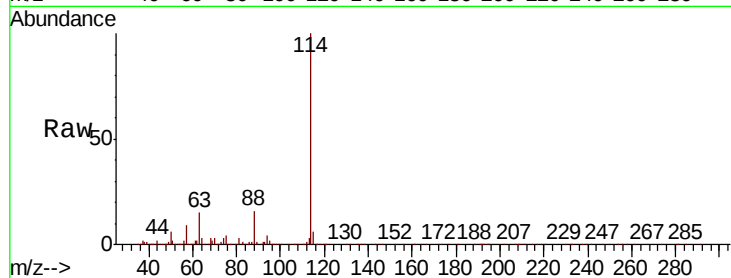
Tot Ion:114 Resp: 1114455

Ion Ratio Lower Upper

114 100

63 15.5 0.0 34.2

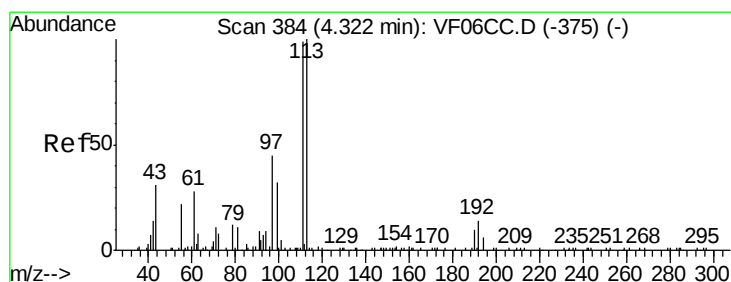
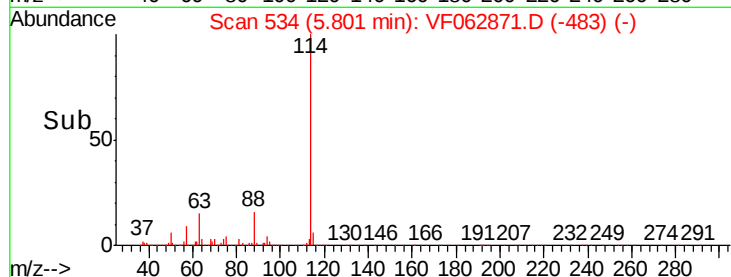
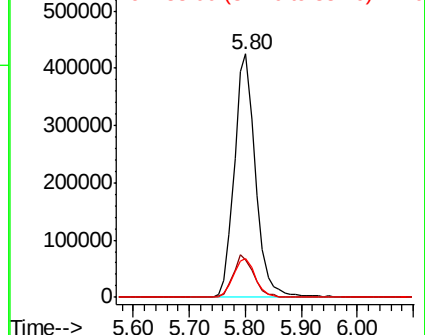
88 15.9 0.0 31.2



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: 43.446 ug/l

RT: 4.33 min Scan# 385

Delta R.T. -0.00 min

Lab File: VF062871.D

Acq: 5 Jun 2019 17:57

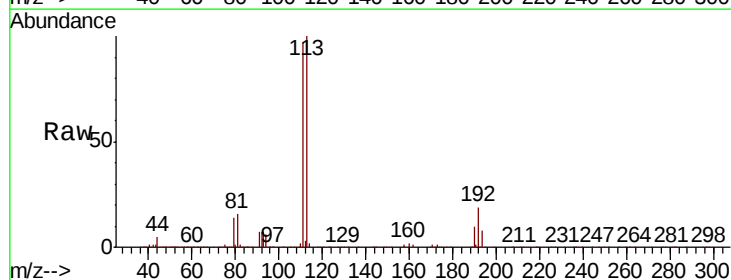
Tgt Ion:113 Resp: 365874

Ion Ratio Lower Upper

113 100

111 96.8 81.9 122.9

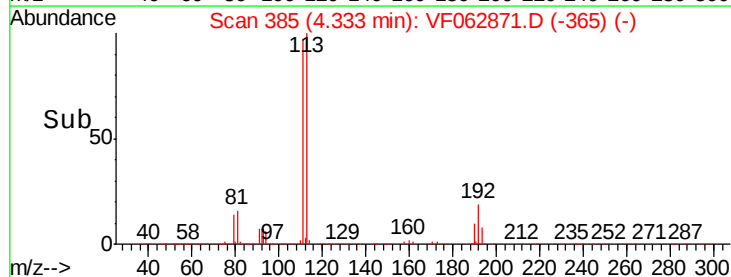
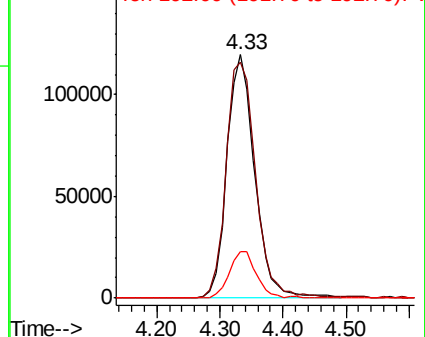
192 19.3 15.1 22.7

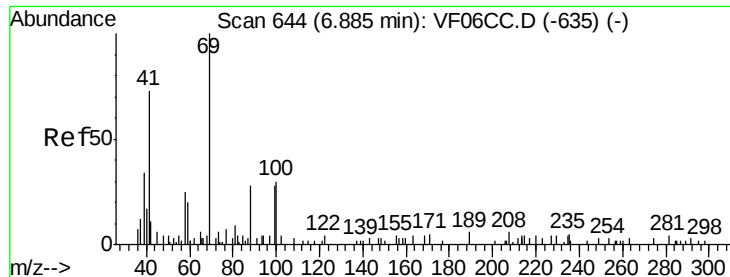


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#49

1,4-Dioxane

Concen: 14.378 ug/l

RT: 6.89 min Scan# 644

Delta R.T. -0.00 min

Lab File: VF062871.D

Acq: 5 Jun 2019 17:57

Instrument :
MSVOA_F
ClientSampleId :

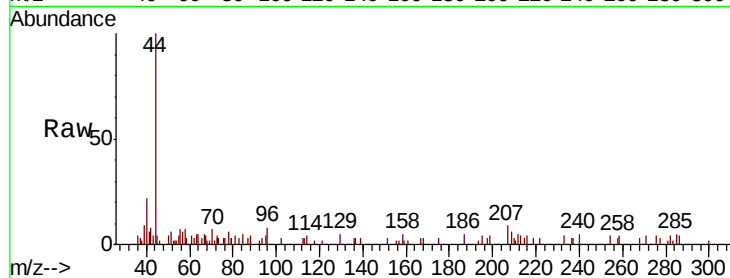
Tot Ion: 88 Resp: 506

Ion Ratio Lower Upper

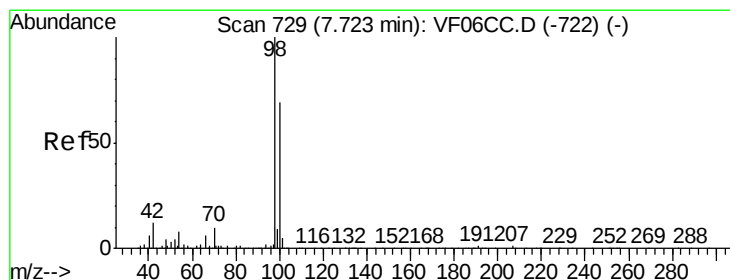
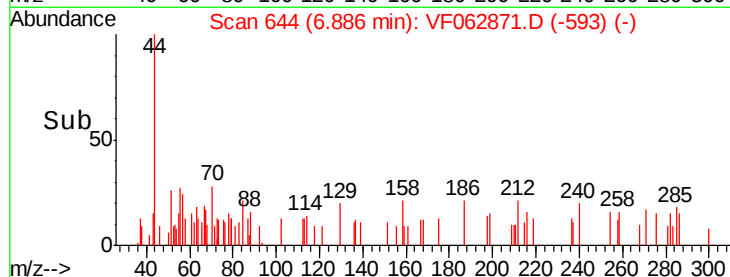
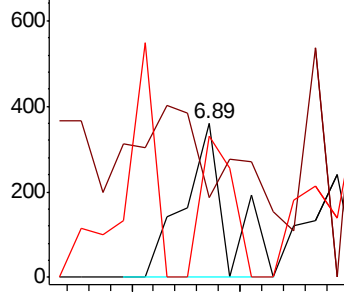
88 100

43 51.7 34.8 52.2

58 91.7 59.9 89.9#



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: 36.532 ug/l

RT: 7.73 min Scan# 730

Delta R.T. -0.00 min

Lab File: VF062871.D

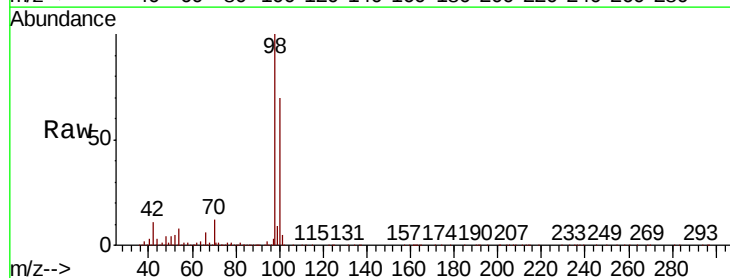
Acq: 5 Jun 2019 17:57

Tgt Ion: 98 Resp: 777984

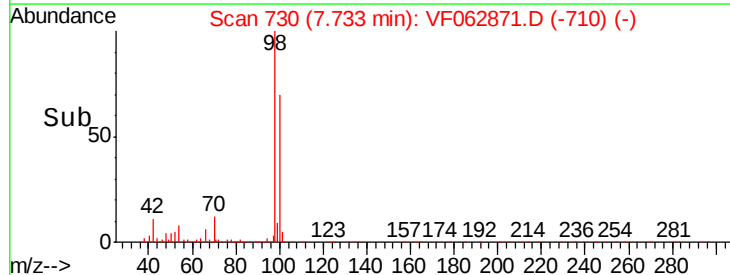
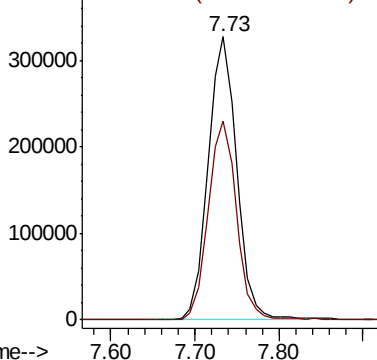
Ion Ratio Lower Upper

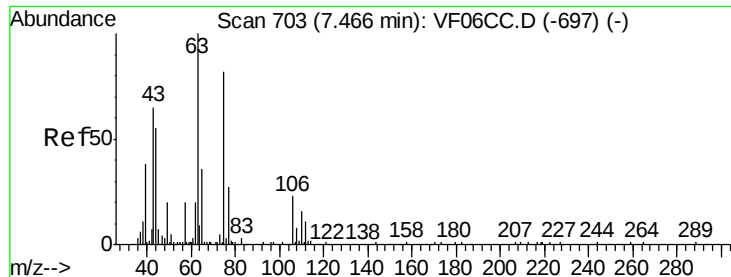
98 100

100 70.3 59.8 89.8



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0

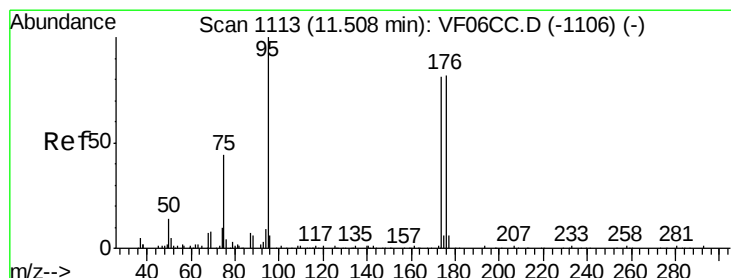
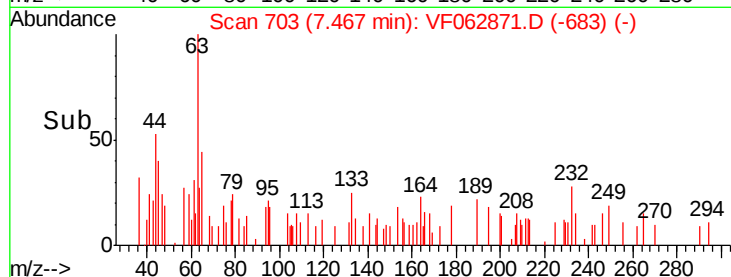
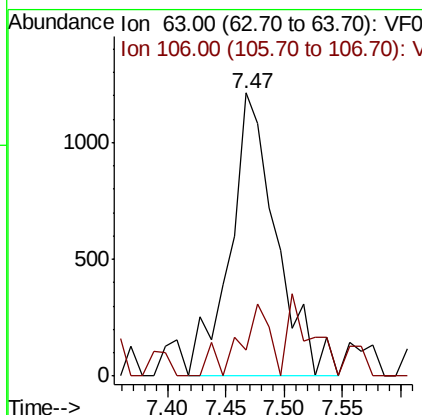
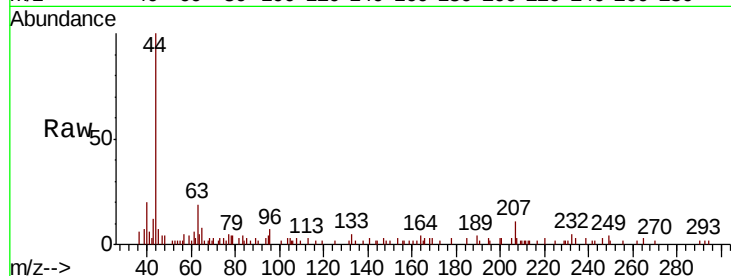




#58
2-Chloroethyl Vinyl ether
Concen: 1.849 ug/l
RT: 7.47 min Scan# 703
Delta R.T. -0.00 min
Lab File: VF062871.D
Acq: 5 Jun 2019 17:57

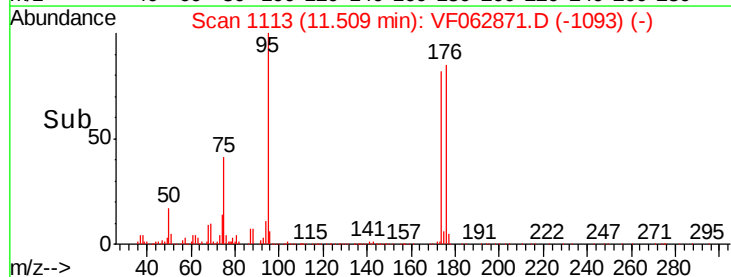
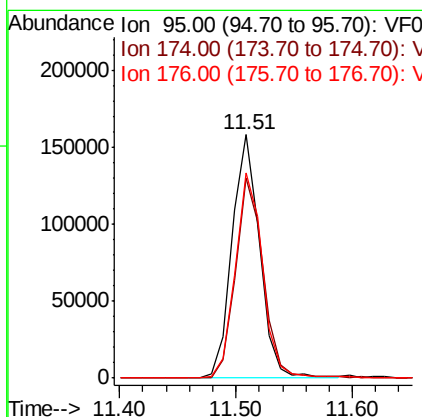
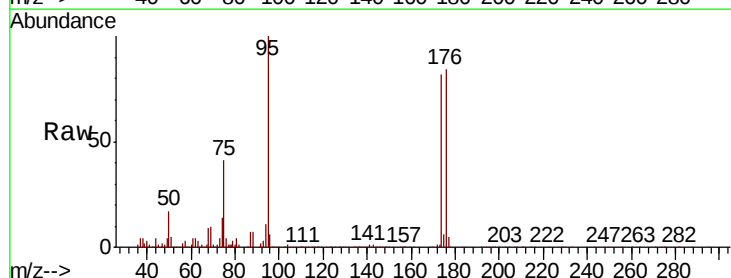
Instrument :
MSVOA_F
ClientSampled :

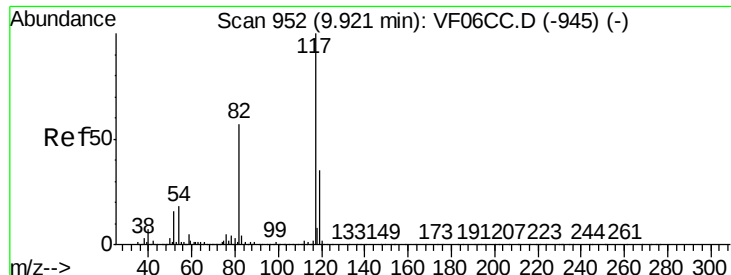
Tot Ion: 63 Resp: 3332
Ion Ratio Lower Upper
63 100
106 9.3 19.5 29.3#



#62
4-Bromofluorobenzene
Concen: 33.840 ug/l
RT: 11.51 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VF062871.D
Acq: 5 Jun 2019 17:57

Tgt Ion: 95 Resp: 259226
Ion Ratio Lower Upper
95 100
174 82.4 0.0 170.6
176 84.4 0.0 170.6

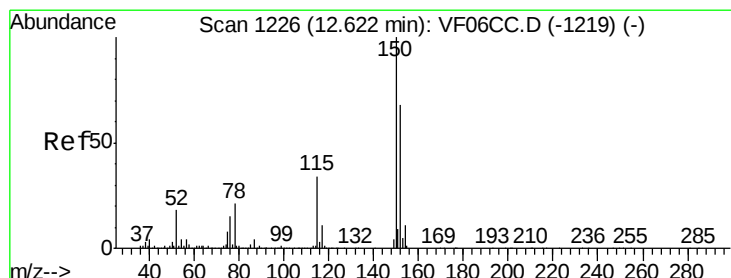
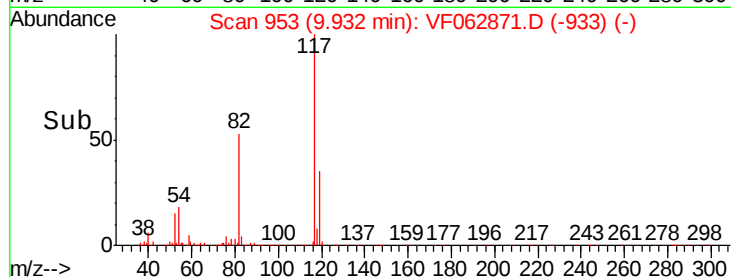
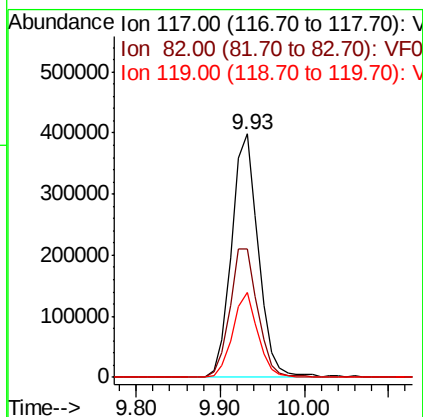
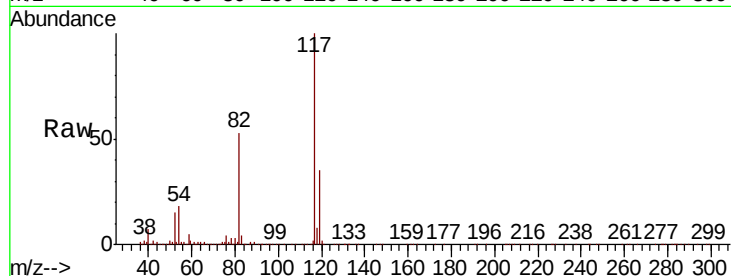




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 953
Delta R.T. -0.00 min
Lab File: VF062871.D
Acq: 5 Jun 2019 17:57

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 880564
Ion Ratio Lower Upper
117 100
82 52.8 42.4 63.6
119 34.6 27.1 40.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1226
Delta R.T. -0.00 min
Lab File: VF062871.D
Acq: 5 Jun 2019 17:57

Tgt Ion:152 Resp: 286383
Ion Ratio Lower Upper
152 100
115 61.4 24.6 74.0
150 158.2 0.0 290.6

