

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060419\
 Data File : VF062845.D
 Acq On : 4 Jun 2019 18:10
 Operator : FY/SY
 Sample : K3172-02
 Misc : 3.93g/5mL/MSVOA F/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 05 05:23:23 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	5.05	168	576299	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.77	114	1062373	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.91	117	707450	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.61	152	196412	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.03	65	210259	52.76	ug/l	-0.02
Spiked Amount			Recovery	=	105.52%	
35) Dibromofluoromethane	4.31	113	19336	2.41	ug/l	-0.02
Spiked Amount			Recovery	=	4.82%	
50) Toluene-d8	7.71	98	727798	35.85	ug/l	-0.02
Spiked Amount			Recovery	=	71.70%	
62) 4-Bromofluorobenzene	11.49	95	232955	31.90	ug/l	-0.02
Spiked Amount			Recovery	=	63.80%	

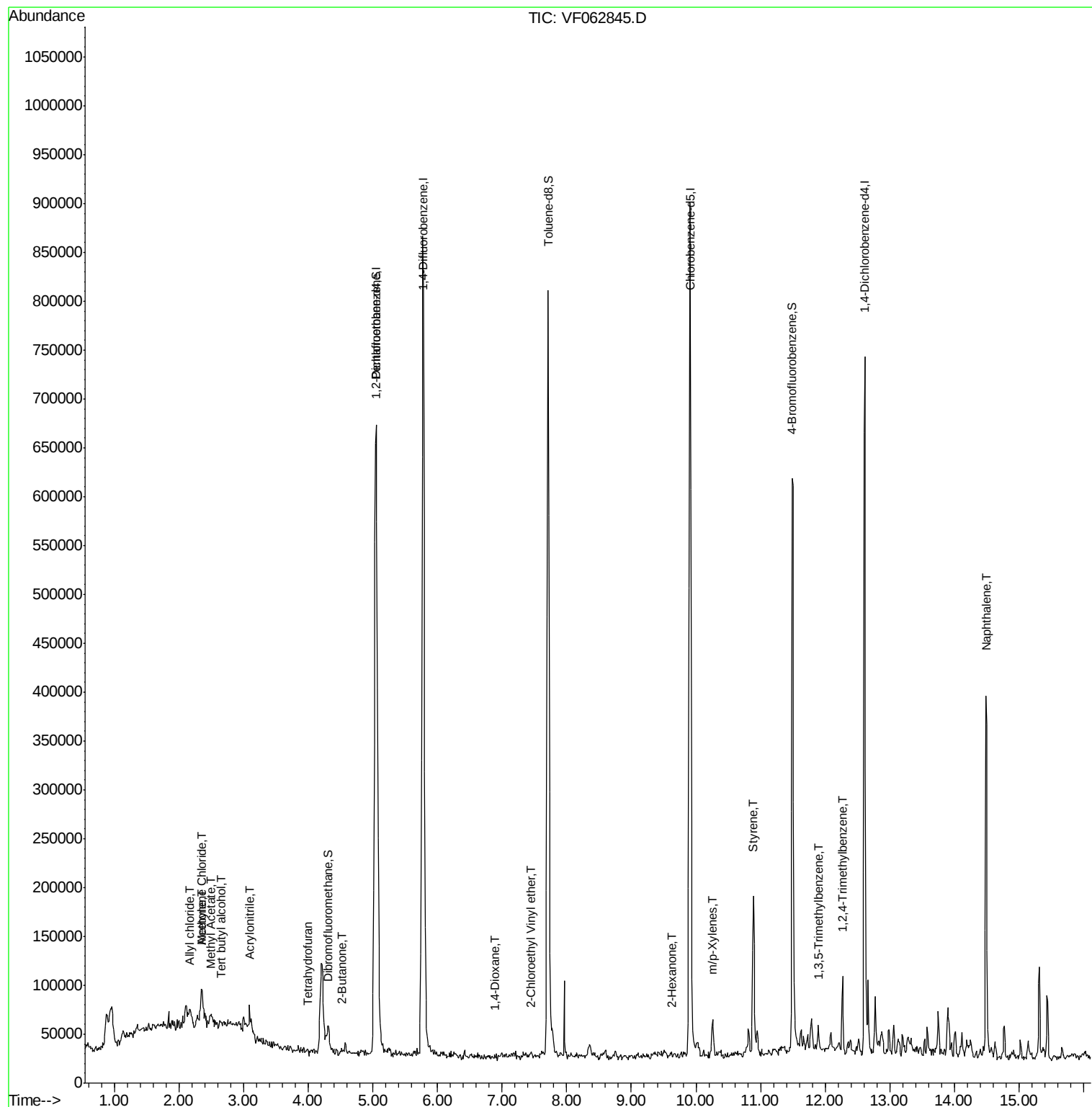
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.05	85	1482	Below Cal	#	39
11) Tert butyl alcohol	2.67	59	2520	10.438	ug/l #	1
14) Allyl chloride	2.16	41	3842	1.034	ug/l #	67
15) Acrylonitrile	3.09	53	1306	1.440	ug/l #	43
16) Acetone	2.35	43	33725	36.975	ug/l	97
18) Methyl Acetate	2.49	43	6501	4.079	ug/l #	47
20) Methylene Chloride	2.36	84	20429	1.581	ug/l	90
25) 2-Butanone	4.52	43	8782	4.134	ug/l	95
29) Tetrahydrofuran	4.01	42	933	1.148	ug/l	92
49) 1,4-Dioxane	6.88	88	438	13.055	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.45	63	3126	1.820	ug/l #	79
59) 2-Hexanone	9.63	43	4392	1.748	ug/l	74
68) m/p-Xylenes	10.26	106	12548	1.399	ug/l #	71
70) Styrene	10.89	104	86539	6.464	ug/l	92
80) 1,3,5-Trimethylbenzene	11.89	105	13806	1.232	ug/l	80
84) 1,2,4-Trimethylbenzene	12.27	105	35640	3.354	ug/l	93
95) Naphthalene	14.49	128	275369	45.862	ug/l	99

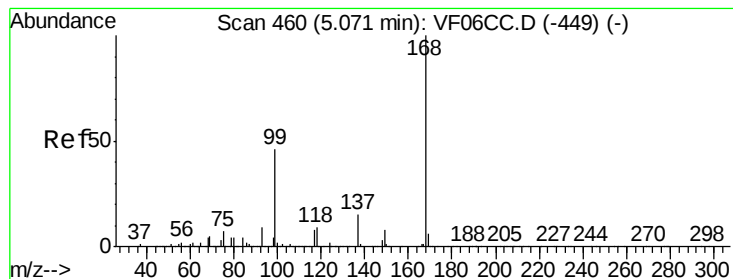
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
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: 5.05 min Scan# 458

Delta R.T. -0.02 min

Lab File: VF062845.D

Acq: 4 Jun 2019 18:10

Instrument :

MSVOA_F

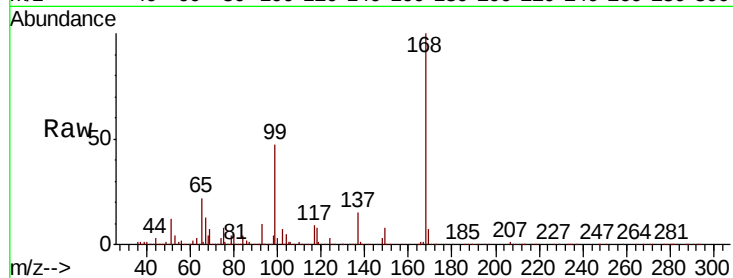
ClientSampleId :

Tot Ion:168 Resp: 576299

Ion Ratio Lower Upper

168 100

99 46.7 39.1 58.7



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.05

200000

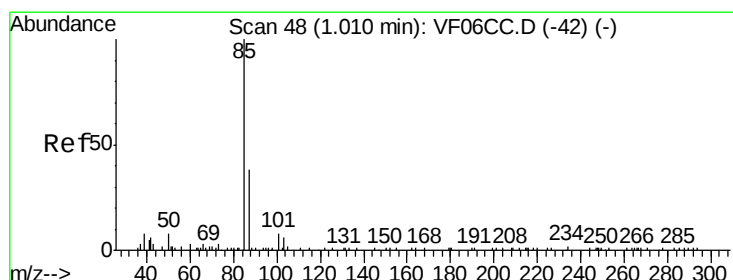
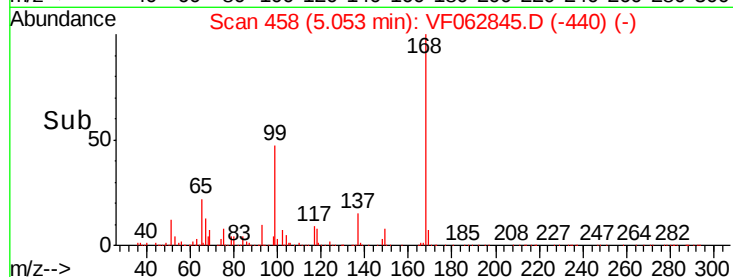
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.05 min Scan# 52

Delta R.T. 0.04 min

Lab File: VF062845.D

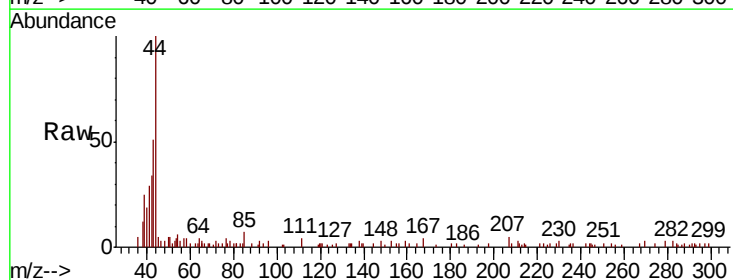
Acq: 4 Jun 2019 18:10

Tgt Ion: 85 Resp: 1482

Ion Ratio Lower Upper

85 100

87 0.0 17.6 52.9#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.05

600

500

400

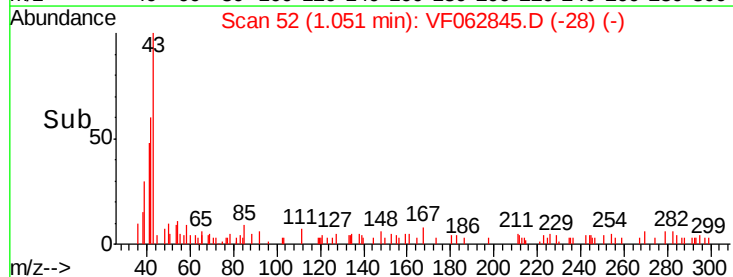
300

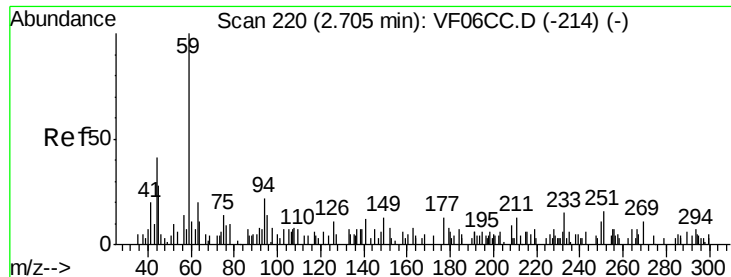
200

100

0

Time-->



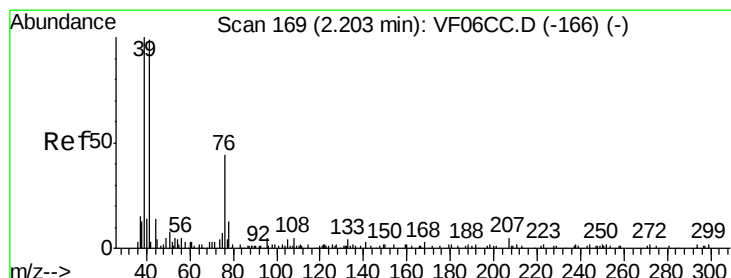
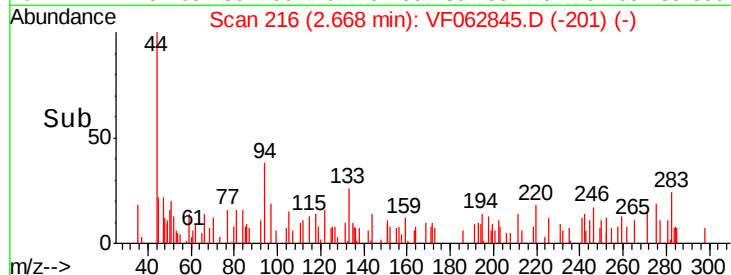
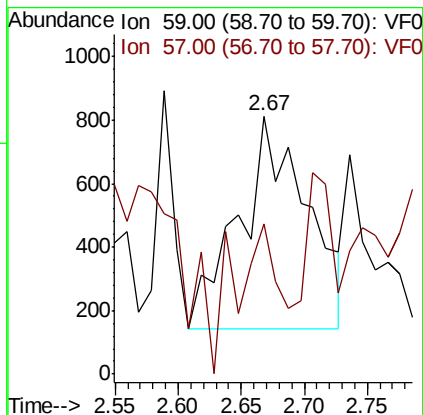
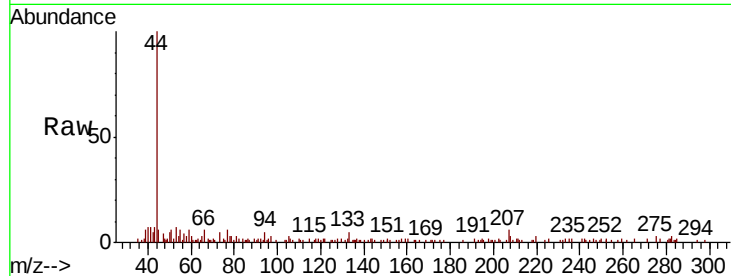


#11

Tert butyl alcohol
 Concen: 10.438 ug/l
 RT: 2.67 min Scan# 216
 Delta R.T. -0.05 min
 Lab File: VF062845.D
 Acq: 4 Jun 2019 18:10

Instrument :
 MSVOA_F
 ClientSampled :

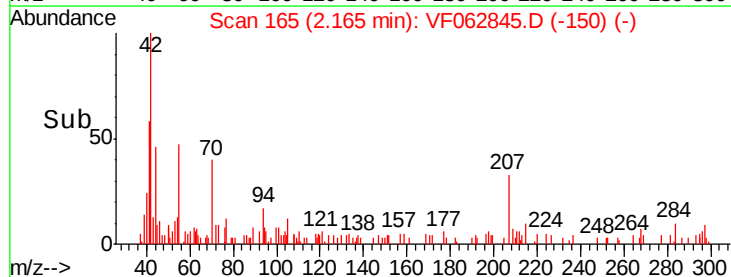
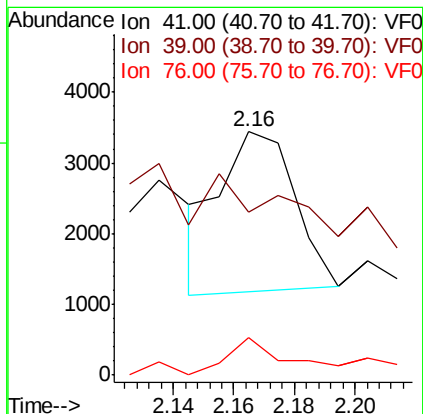
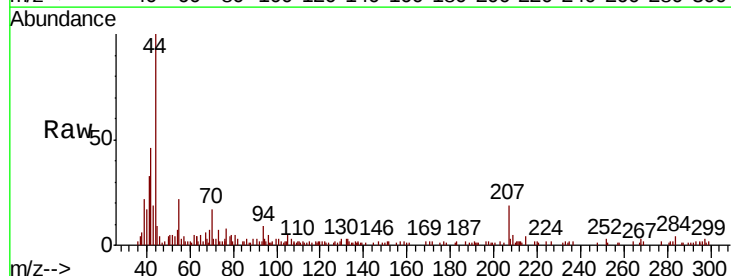
Tot Ion: 59 Resp: 2520
 Ion Ratio Lower Upper
 59 100
 57 58.4 9.2 13.8#

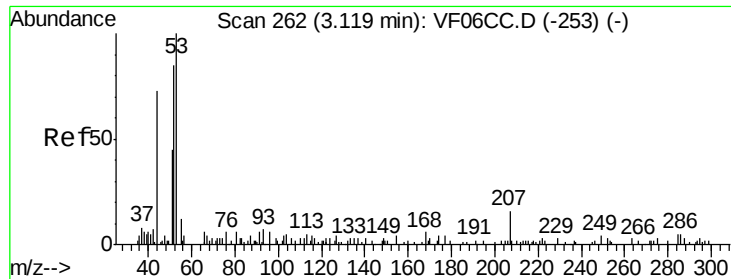


#14

Allyl chloride
 Concen: 1.034 ug/l
 RT: 2.16 min Scan# 165
 Delta R.T. -0.05 min
 Lab File: VF062845.D
 Acq: 4 Jun 2019 18:10

Tgt Ion: 41 Resp: 3842
 Ion Ratio Lower Upper
 41 100
 39 66.9 71.9 107.9#
 76 15.6 39.6 59.4#





#15

Acrylonitrile

Concen: 1.440 ug/l

RT: 3.09 min Scan# 259

Delta R.T. -0.02 min

Lab File: VF062845.D

Acq: 4 Jun 2019 18:10

Instrument :
MSVOA_F
ClientSampled :

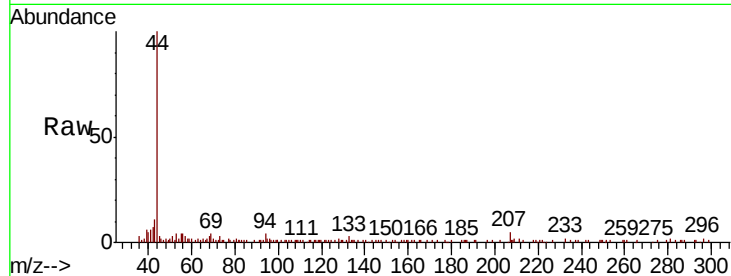
Tot Ion: 53 Resp: 1306

Ion Ratio Lower Upper

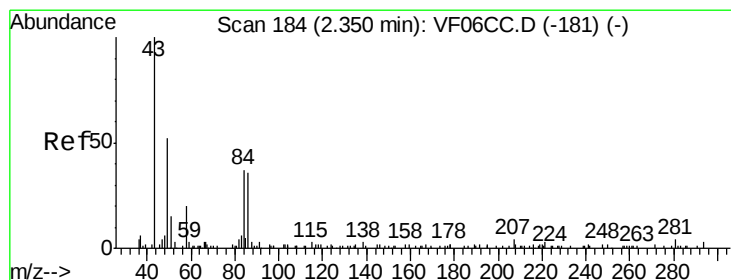
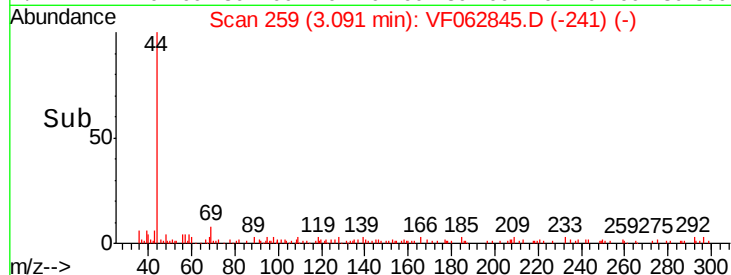
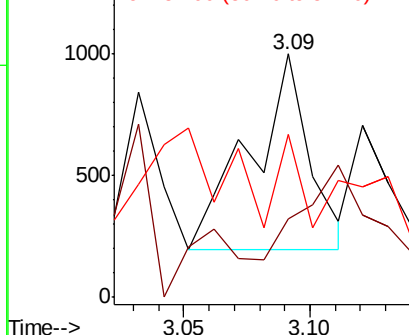
53 100

52 32.2 68.1 102.1#

51 67.0 27.7 41.5#



Abundance Ion 53.00 (52.70 to 53.70): VF0
Ion 52.00 (51.70 to 52.70): VF0
Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 36.975 ug/l

RT: 2.35 min Scan# 184

Delta R.T. -0.01 min

Lab File: VF062845.D

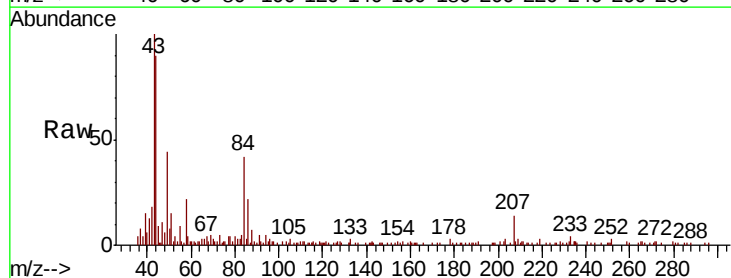
Acq: 4 Jun 2019 18:10

Tgt Ion: 43 Resp: 33725

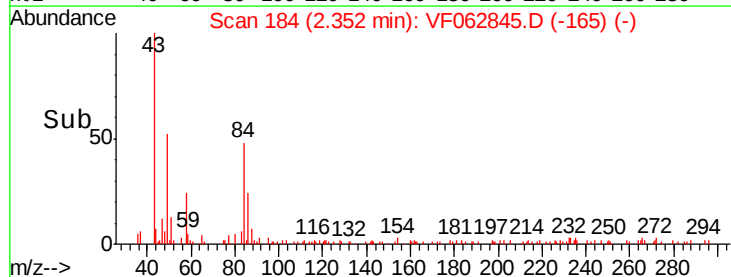
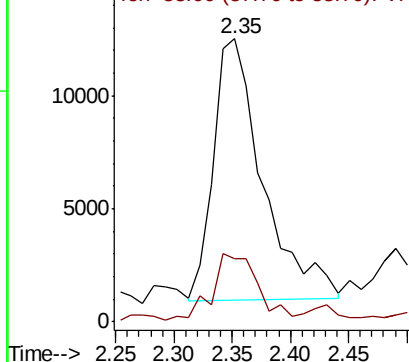
Ion Ratio Lower Upper

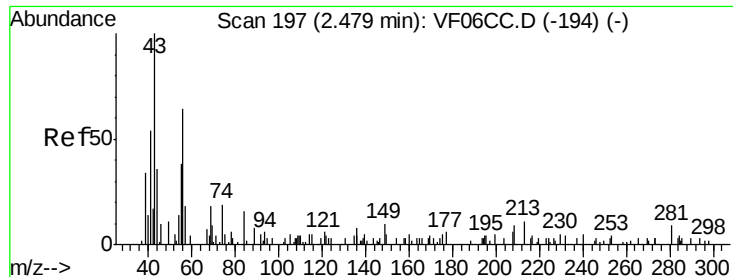
43 100

58 22.3 19.0 28.4



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

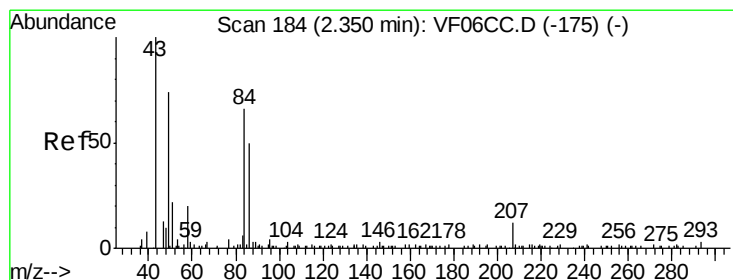
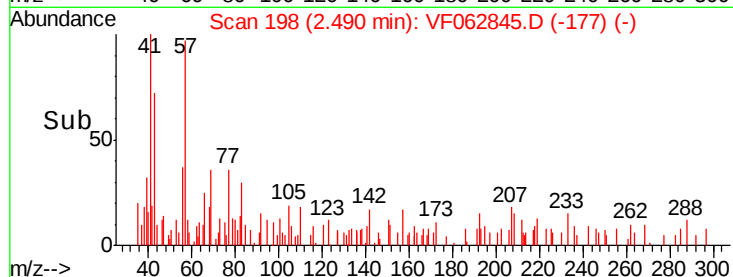
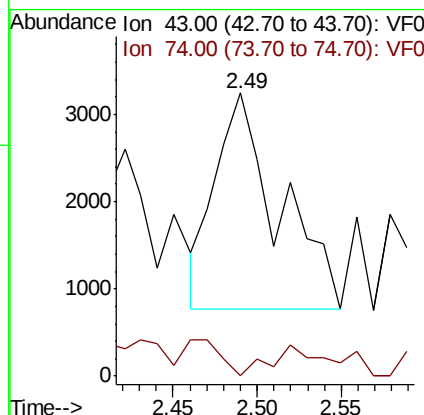
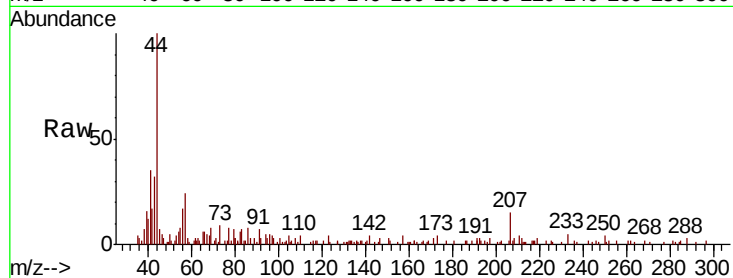




#18
Methvl Acetate
Concen: 4.079 ug/l
RT: 2.49 min Scan# 198
Delta R.T. 0.01 min
Lab File: VF062845.D
Acq: 4 Jun 2019 18:10

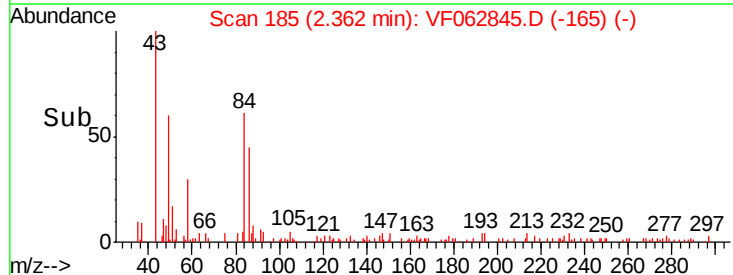
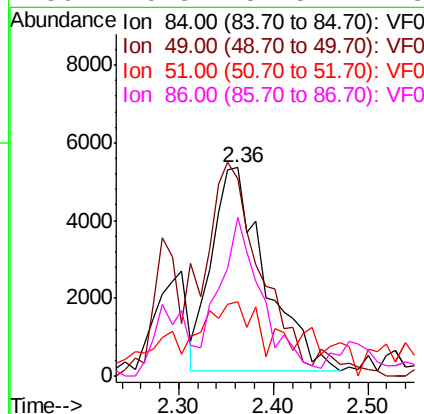
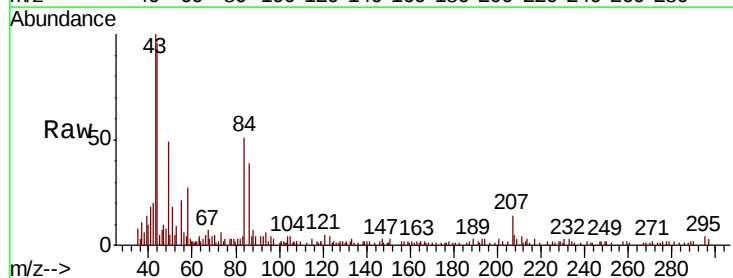
Instrument :
MSVOA_F
ClientSampled :

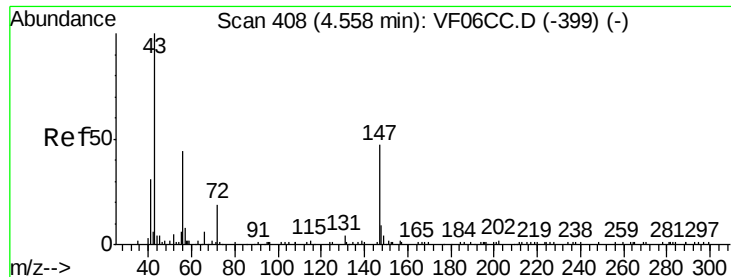
Tot Ion: 43 Resp: 6501
Ion Ratio Lower Upper
43 100
74 0.0 22.1 33.1#



#20
Methylene Chloride
Concen: 1.581 ug/l
RT: 2.36 min Scan# 185
Delta R.T. -0.00 min
Lab File: VF062845.D
Acq: 4 Jun 2019 18:10

Tgt Ion: 84 Resp: 20429
Ion Ratio Lower Upper
84 100
49 94.6 82.6 123.8
51 35.5 25.0 37.4
86 76.3 51.5 77.3

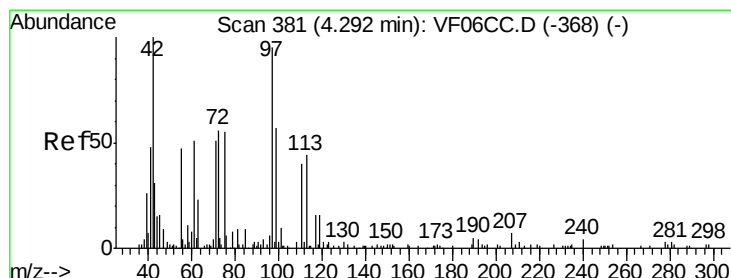
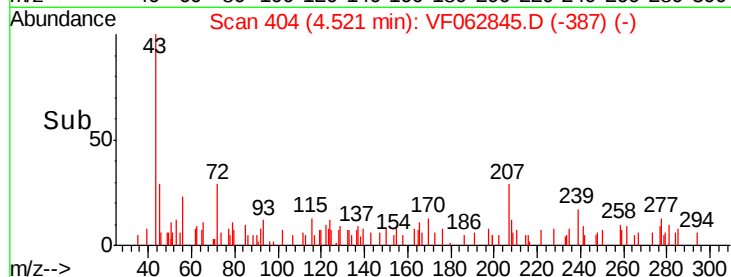
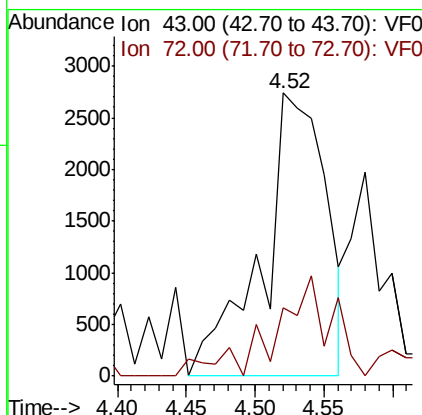
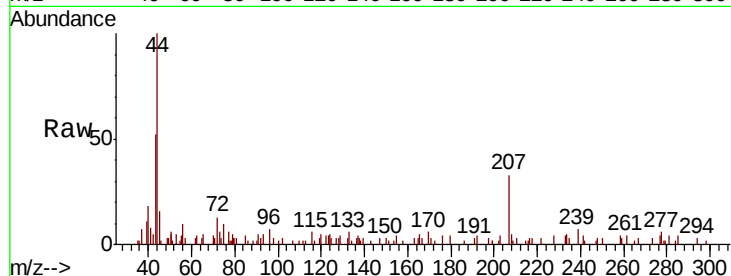




#25
2-Butanone
Concen: 4.134 ug/l
RT: 4.52 min Scan# 404
Delta R.T. -0.03 min
Lab File: VF062845.D
Acq: 4 Jun 2019 18:10

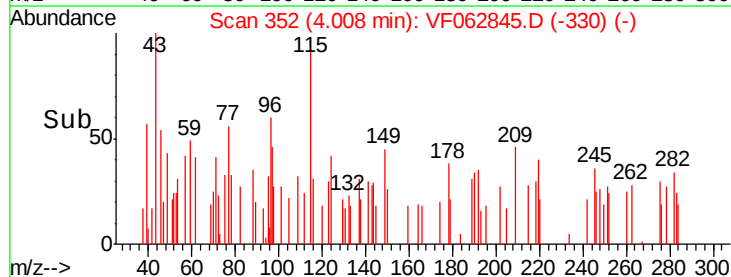
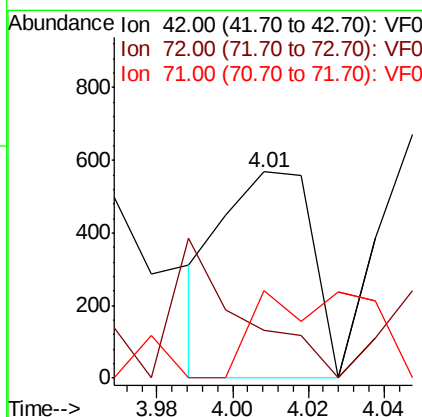
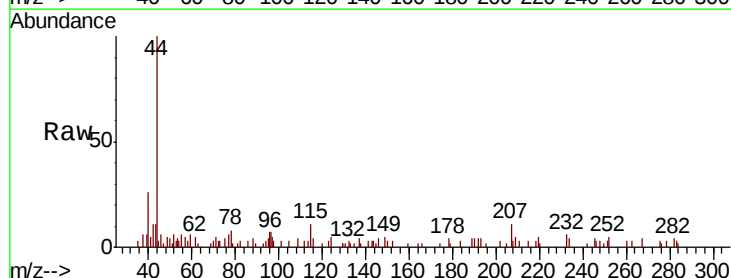
Instrument :
MSVOA_F
ClientSampleId :

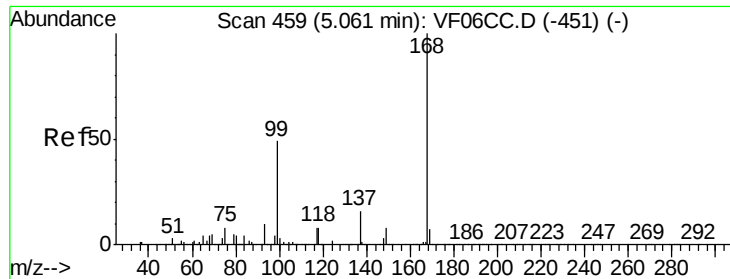
Tot Ion: 43 Resp: 8782
Ion Ratio Lower Upper
43 100
72 24.0 21.4 32.0



#29
Tetrahydrofuran
Concen: 1.148 ug/l
RT: 4.01 min Scan# 352
Delta R.T. -0.29 min
Lab File: VF062845.D
Acq: 4 Jun 2019 18:10

Tgt Ion: 42 Resp: 933
Ion Ratio Lower Upper
42 100
72 52.1 39.0 58.6
71 53.6 36.9 55.3





#33

1,2-Dichloroethane-d4

Concen: 52.761 ug/l

RT: 5.03 min Scan# 456

Delta R.T. -0.02 min

Lab File: VF062845.D

Acq: 4 Jun 2019 18:10

Instrument :

MSVOA_F

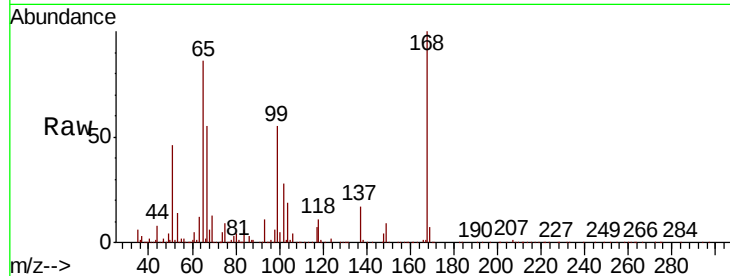
ClientSampleId :

Tot Ion: 65 Resp: 210259

Ion Ratio Lower Upper

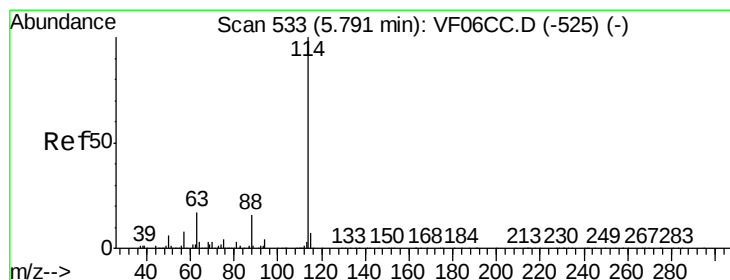
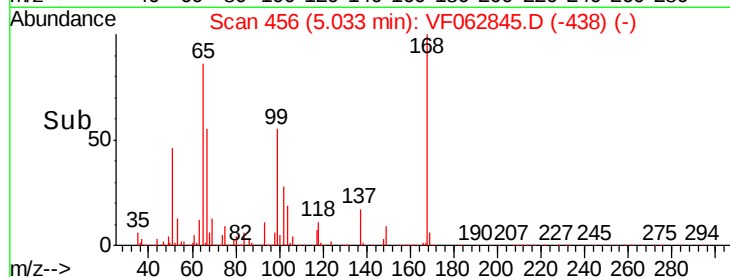
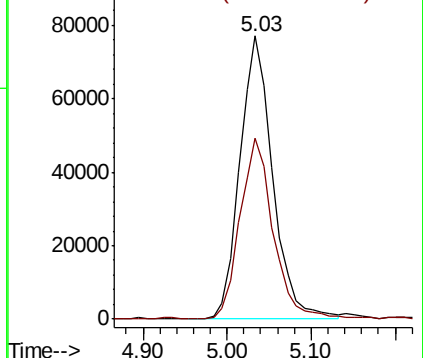
65 100

67 63.9 0.0 121.2



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: 5.77 min Scan# 531

Delta R.T. -0.03 min

Lab File: VF062845.D

Acq: 4 Jun 2019 18:10

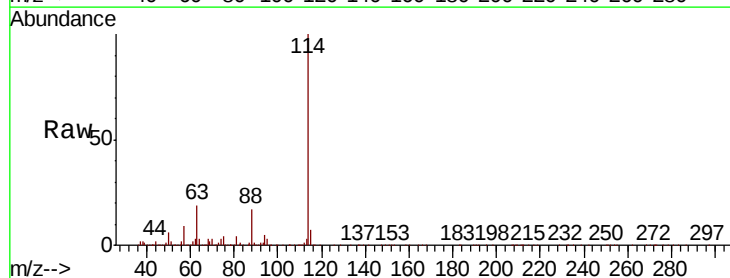
Tgt Ion: 114 Resp: 1062373

Ion Ratio Lower Upper

114 100

63 18.8 0.0 34.2

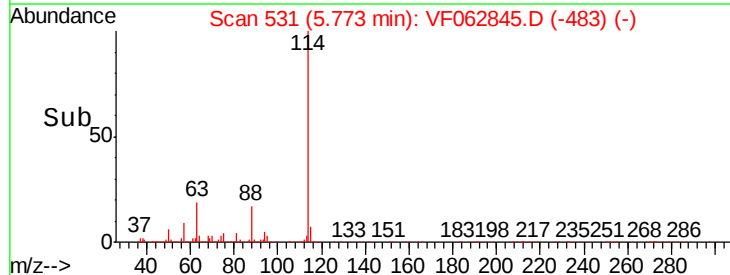
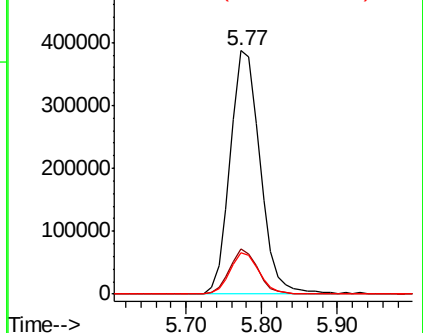
88 17.1 0.0 31.2

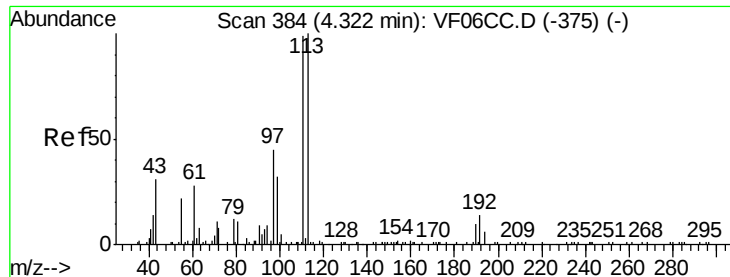


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 2.409 ug/l

RT: 4.31 min Scan# 383

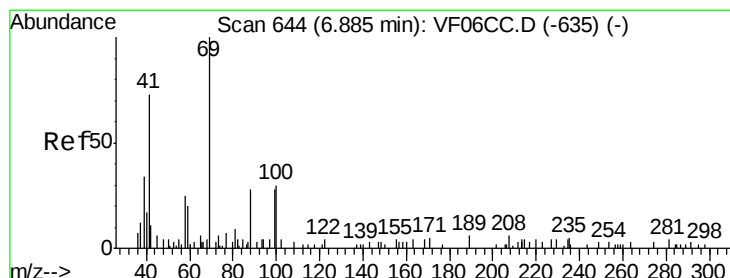
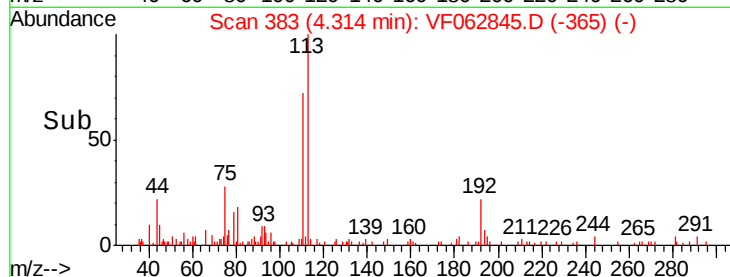
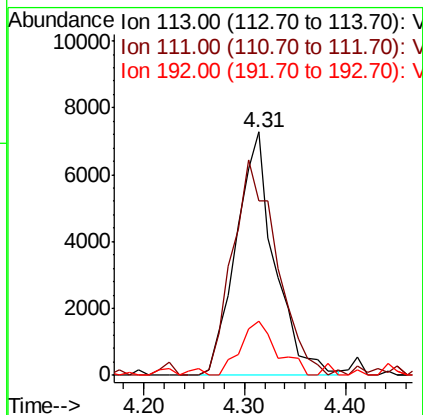
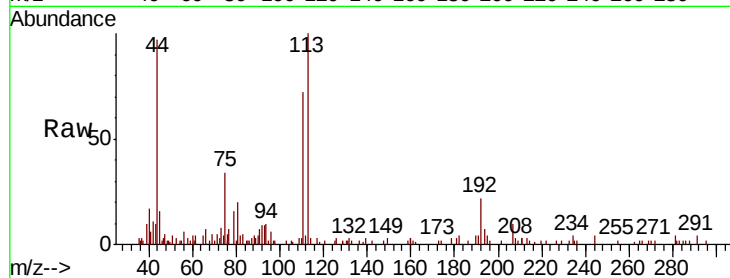
Delta R.T. -0.02 min

Lab File: VF062845.D

Acq: 4 Jun 2019 18:10

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	113	Resp:	19336
Ion	Ratio	Lower	Upper
113	100		
111	71.7	81.9	122.9#
192	22.4	15.1	22.7



#49

1,4-Dioxane

Concen: 13.055 ug/l

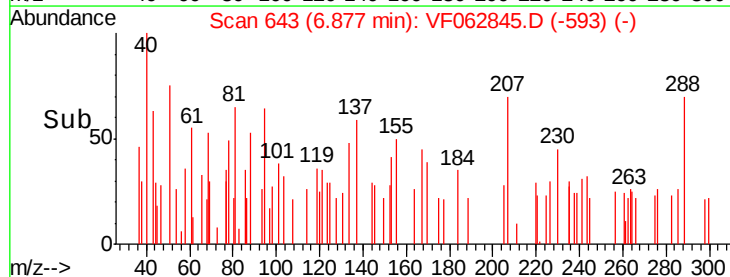
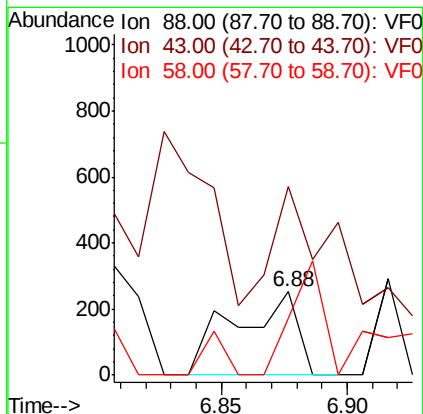
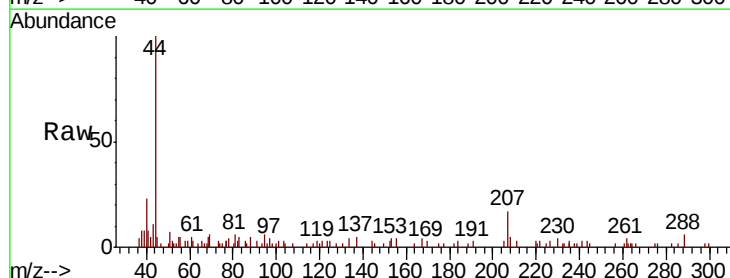
RT: 6.88 min Scan# 643

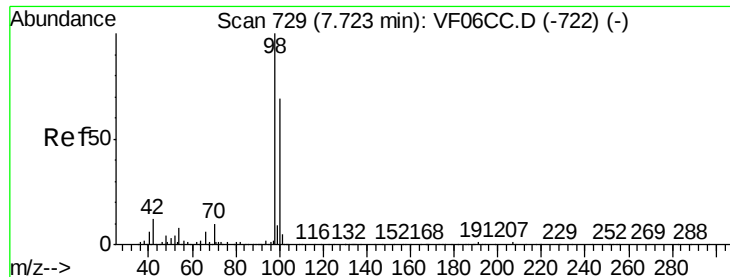
Delta R.T. -0.01 min

Lab File: VF062845.D

Acq: 4 Jun 2019 18:10

Tgt Ion:	88	Resp:	438
Ion	Ratio	Lower	Upper
88	100		
43	225.7	34.8	52.2#
58	68.4	59.9	89.9

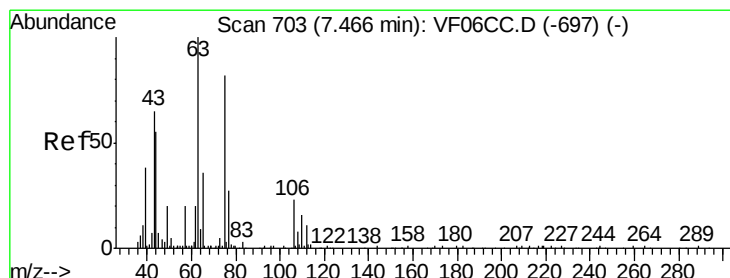
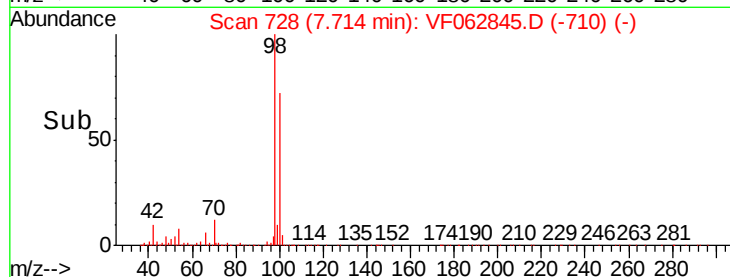
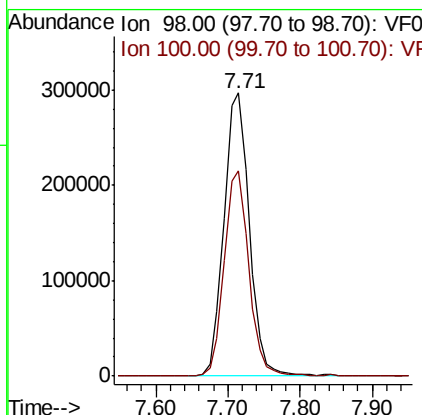
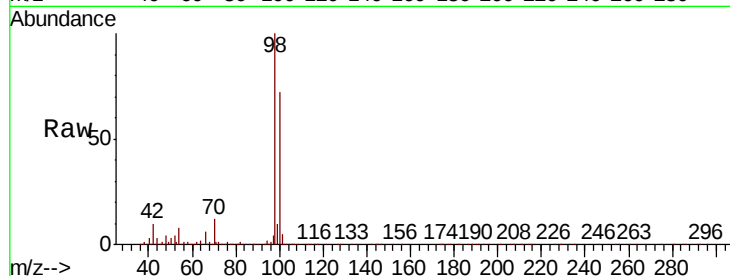




#50
Toluene-d8
Concen: 35.851 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.02 min
Lab File: VF062845.D
Acq: 4 Jun 2019 18:10

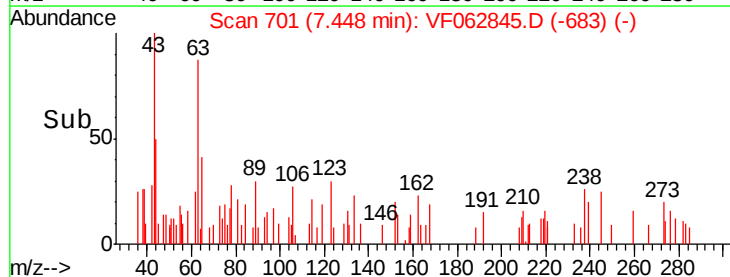
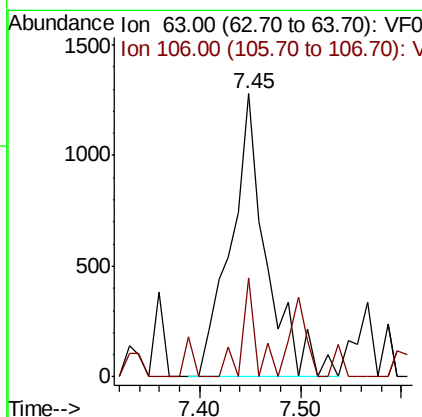
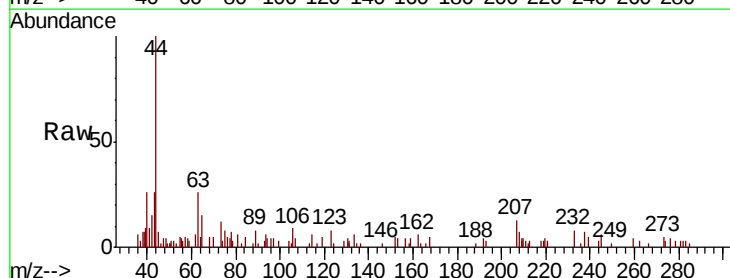
Instrument :
MSVOA_F
ClientSampleId :

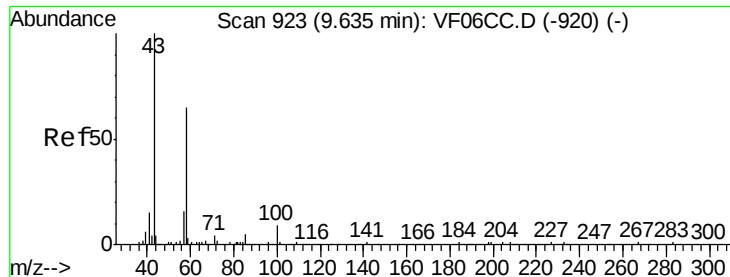
Tot Ion: 98 Resp: 727798
Ion Ratio Lower Upper
98 100
100 72.4 59.8 89.8



#58
2-Chloroethyl Vinyl ether
Concen: 1.820 ug/l
RT: 7.45 min Scan# 701
Delta R.T. -0.02 min
Lab File: VF062845.D
Acq: 4 Jun 2019 18:10

Tgt Ion: 63 Resp: 3126
Ion Ratio Lower Upper
63 100
106 34.9 19.5 29.3#

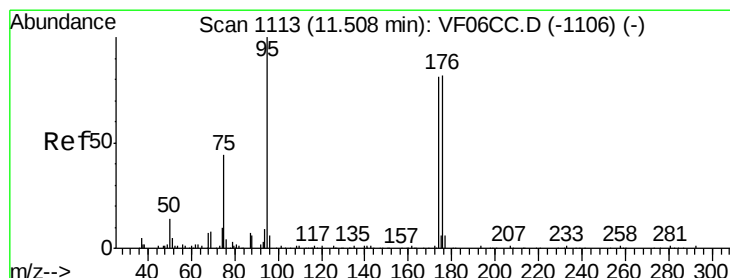
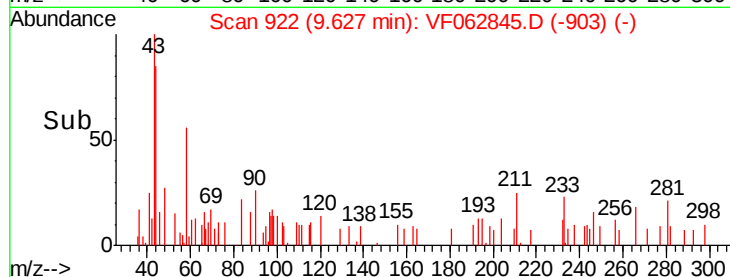
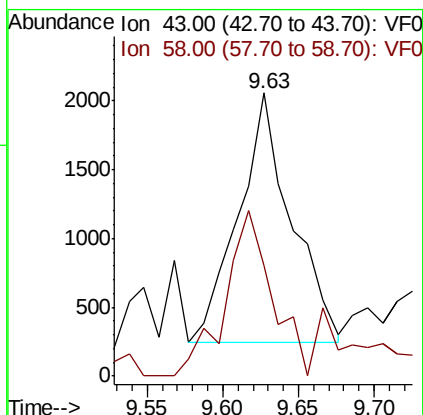
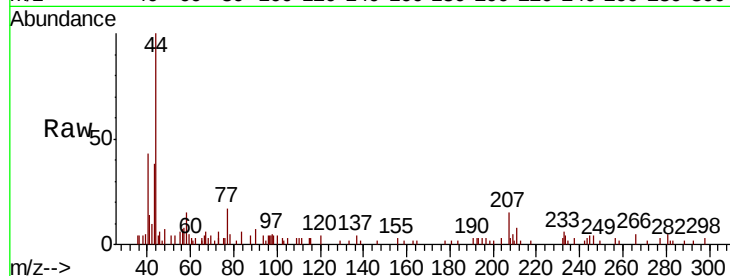




#59
2-Hexanone
Concen: 1.748 ug/l
RT: 9.63 min Scan# 922
Delta R.T. -0.01 min
Lab File: VF062845.D
Acq: 4 Jun 2019 18:10

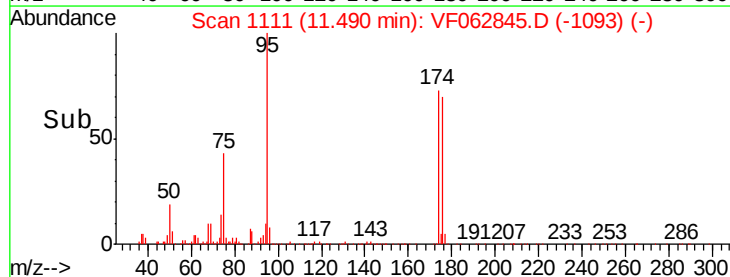
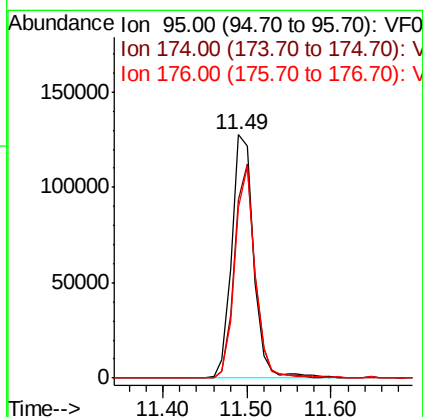
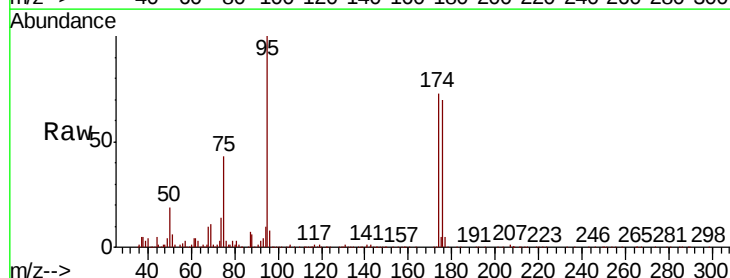
Instrument :
MSVOA_F
ClientSampled :

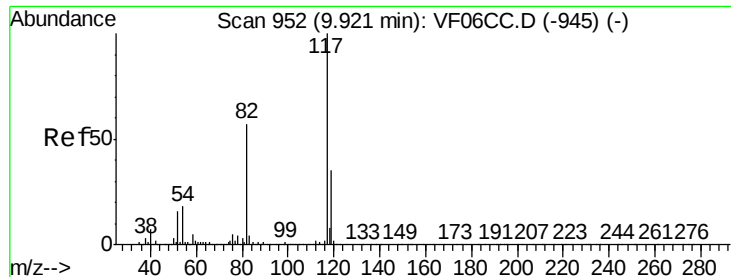
Tot Ion: 43 Resp: 4392
Ion Ratio Lower Upper
43 100
58 39.1 29.3 87.9



#62
4-Bromofluorobenzene
Concen: 31.901 ug/l
RT: 11.49 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VF062845.D
Acq: 4 Jun 2019 18:10

Tgt Ion: 95 Resp: 232955
Ion Ratio Lower Upper
95 100
174 73.5 0.0 170.6
176 70.3 0.0 170.6

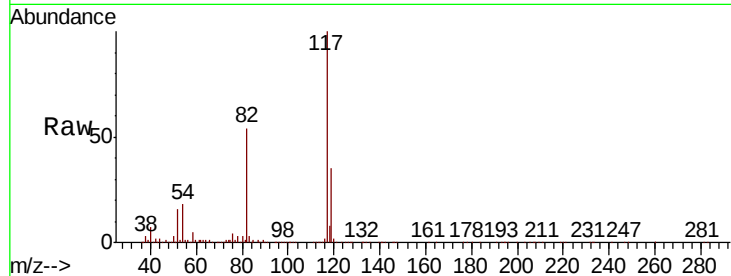




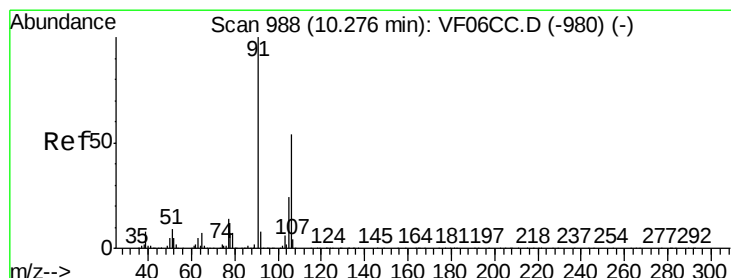
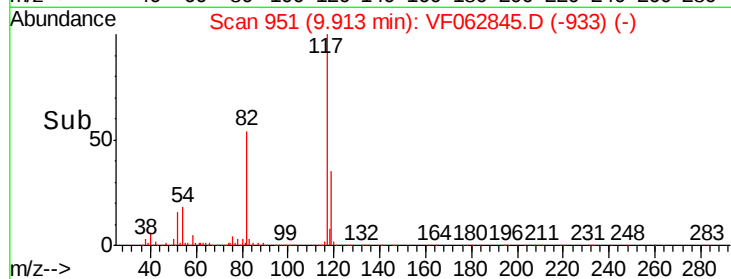
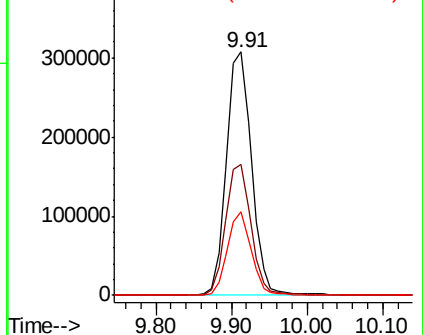
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.02 min
Lab File: VF062845.D
Acq: 4 Jun 2019 18:10

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.9	42.4	63.6
119	34.5	27.1	40.7

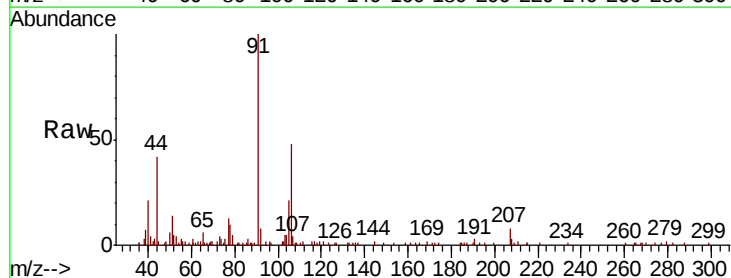


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

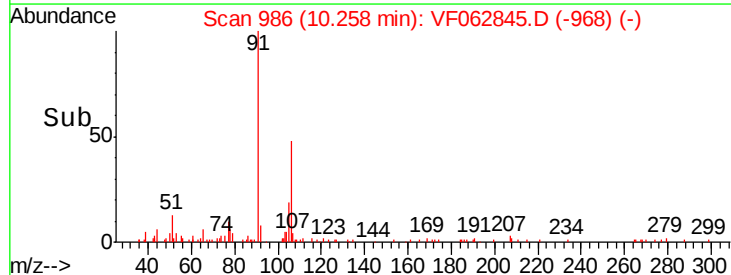
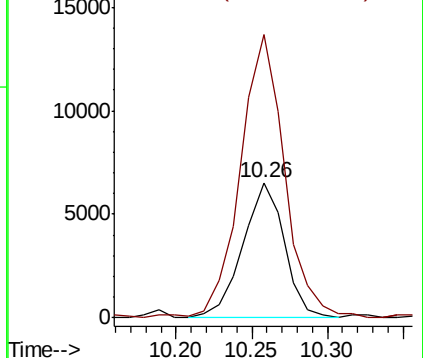


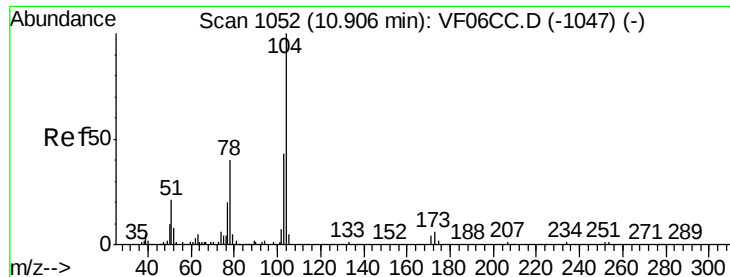
#68
m/p-Xylenes
Concen: 1.399 ug/l
RT: 10.26 min Scan# 986
Delta R.T. -0.02 min
Lab File: VF062845.D
Acq: 4 Jun 2019 18:10

Tgt Ion	Ratio	Lower	Upper
106	100		
91	209.6	136.2	204.4#



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0





#70

Stvrene

Concen: 6.464 ug/l

RT: 10.89 min Scan# 1050

Delta R.T. -0.02 min

Lab File: VF062845.D

Acq: 4 Jun 2019 18:10

Instrument :

MSVOA_F

ClientSampleId :

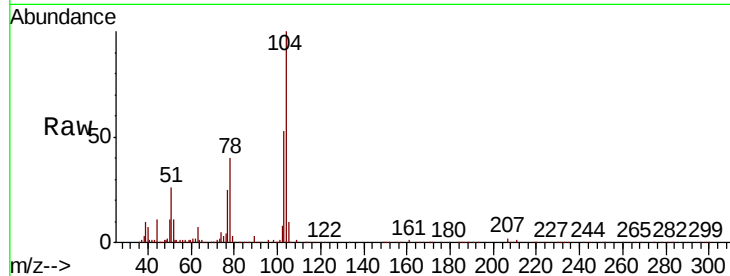
Tot Ion:104 Resp: 86539

Ion Ratio Lower Upper

104 100

78 40.1 30.8 46.2

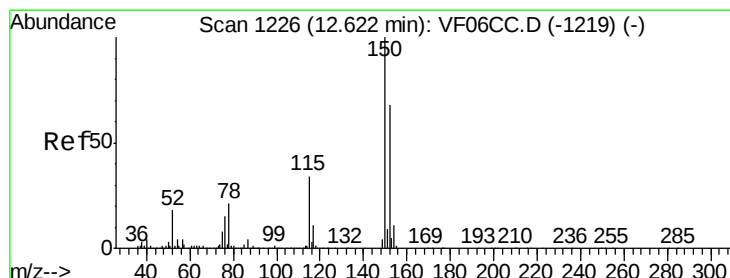
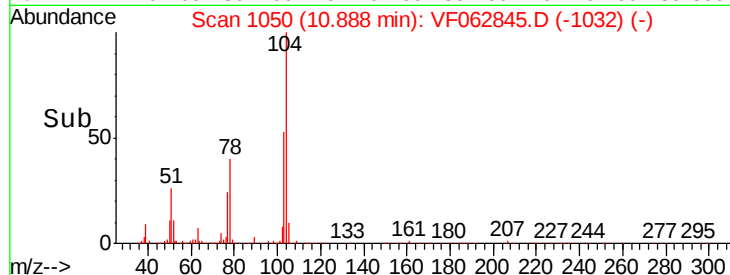
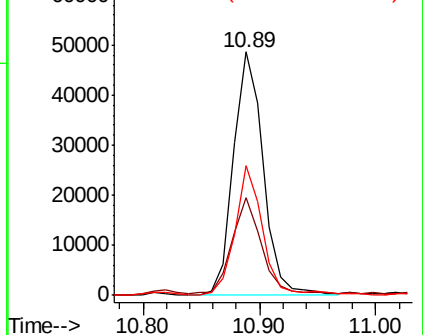
103 53.0 35.8 53.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VF0

Ion 103.00 (102.70 to 103.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.61 min Scan# 1225

Delta R.T. -0.01 min

Lab File: VF062845.D

Acq: 4 Jun 2019 18:10

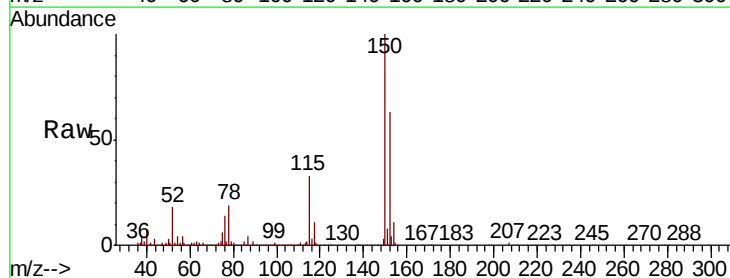
Tgt Ion:152 Resp: 196412

Ion Ratio Lower Upper

152 100

115 52.2 24.6 74.0

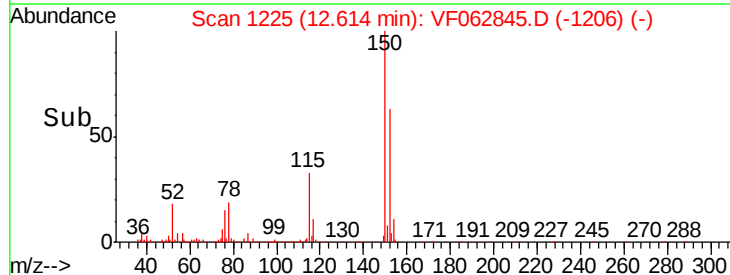
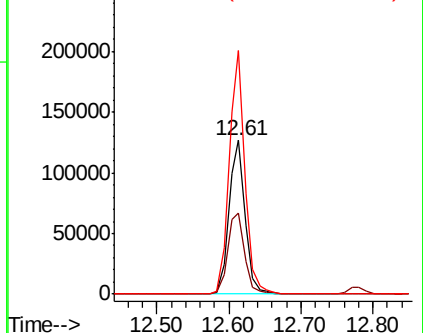
150 158.1 0.0 290.6

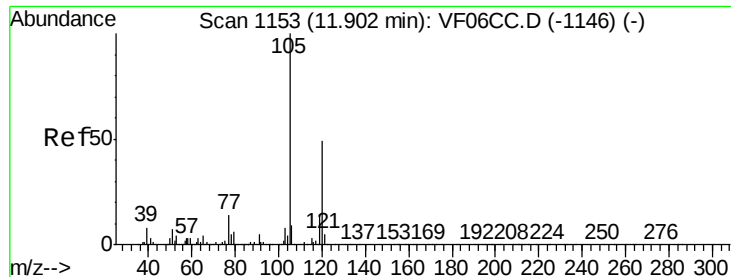


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V

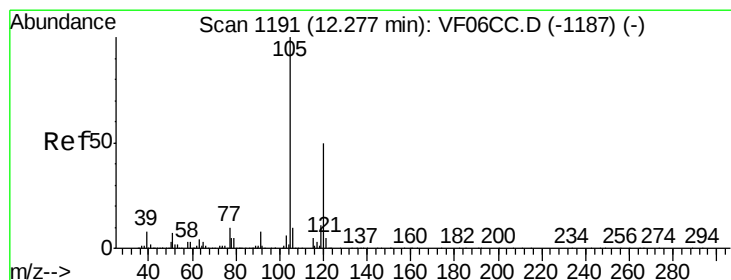
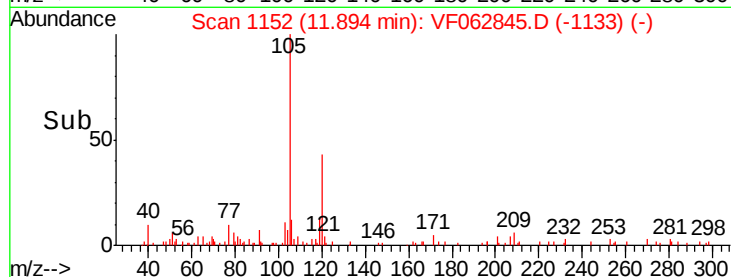
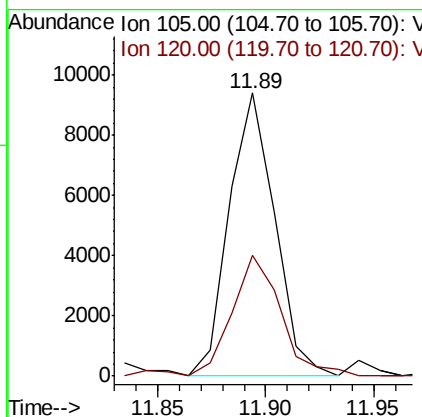
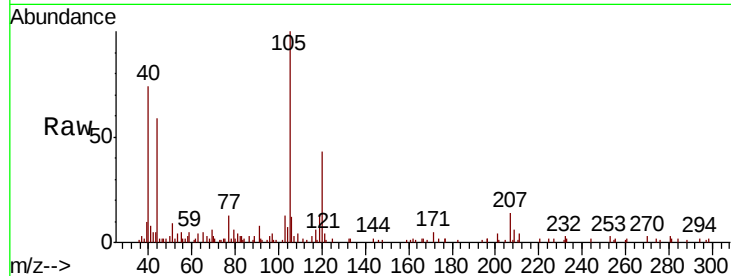




#80
 1,3,5-Trimethylbenzene
 Concen: 1.232 ug/l
 RT: 11.89 min Scan# 1152
 Delta R.T. -0.01 min
 Lab File: VF062845.D
 Acq: 4 Jun 2019 18:10

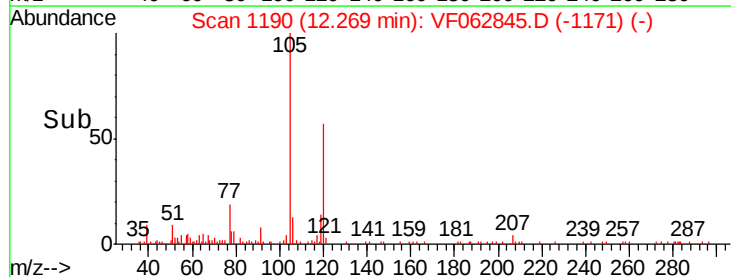
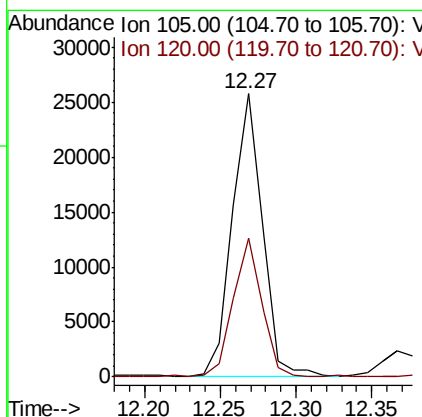
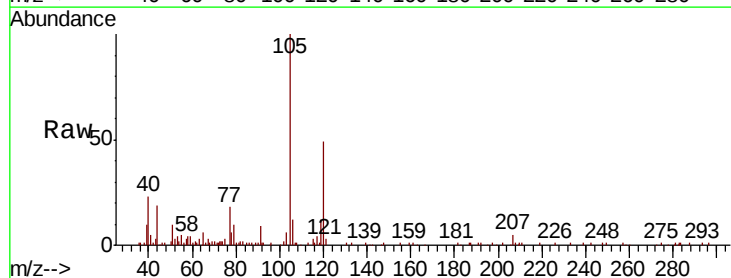
Instrument :
 MSVOA_F
 ClientSampleId :

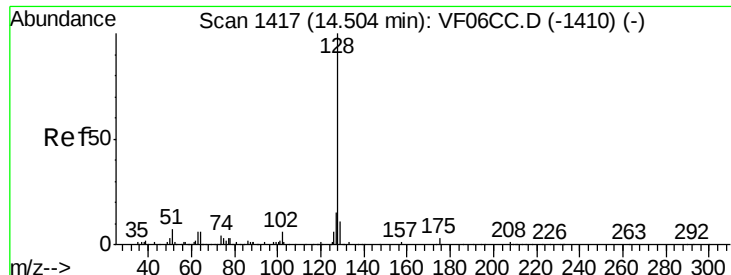
Tot Ion:105 Resp: 13806
 Ion Ratio Lower Upper
 105 100
 120 42.8 28.7 86.1



#84
 1,2,4-Trimethylbenzene
 Concen: 3.354 ug/l
 RT: 12.27 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: VF062845.D
 Acq: 4 Jun 2019 18:10

Tgt Ion:105 Resp: 35640
 Ion Ratio Lower Upper
 105 100
 120 49.1 27.1 81.3





#95
Naphthalene
Concen: 45.862 ug/l
RT: 14.49 min Scan# 1415
Delta R.T. -0.02 min
Lab File: VF062845.D
Acq: 4 Jun 2019 18:10

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.5	9.7	14.5
129	11.4	9.4	14.2

