

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052119\
 Data File : VF062685.D
 Acq On : 21 May 2019 16:15
 Operator : FY/SY
 Sample : K2970-14RE
 Misc : 3.09g/5mL/MSVOA F/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: May 22 03:56:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	764089	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.77	114	1216283	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.91	117	727073	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	200824	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.03	65	174780	32.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	64.74%	
35) Dibromofluoromethane	4.31	113	350206	37.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	75.26%	
50) Toluene-d8	7.72	98	645209	29.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	58.08%	
62) 4-Bromofluorobenzene	11.50	95	166143	19.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	39.42%	

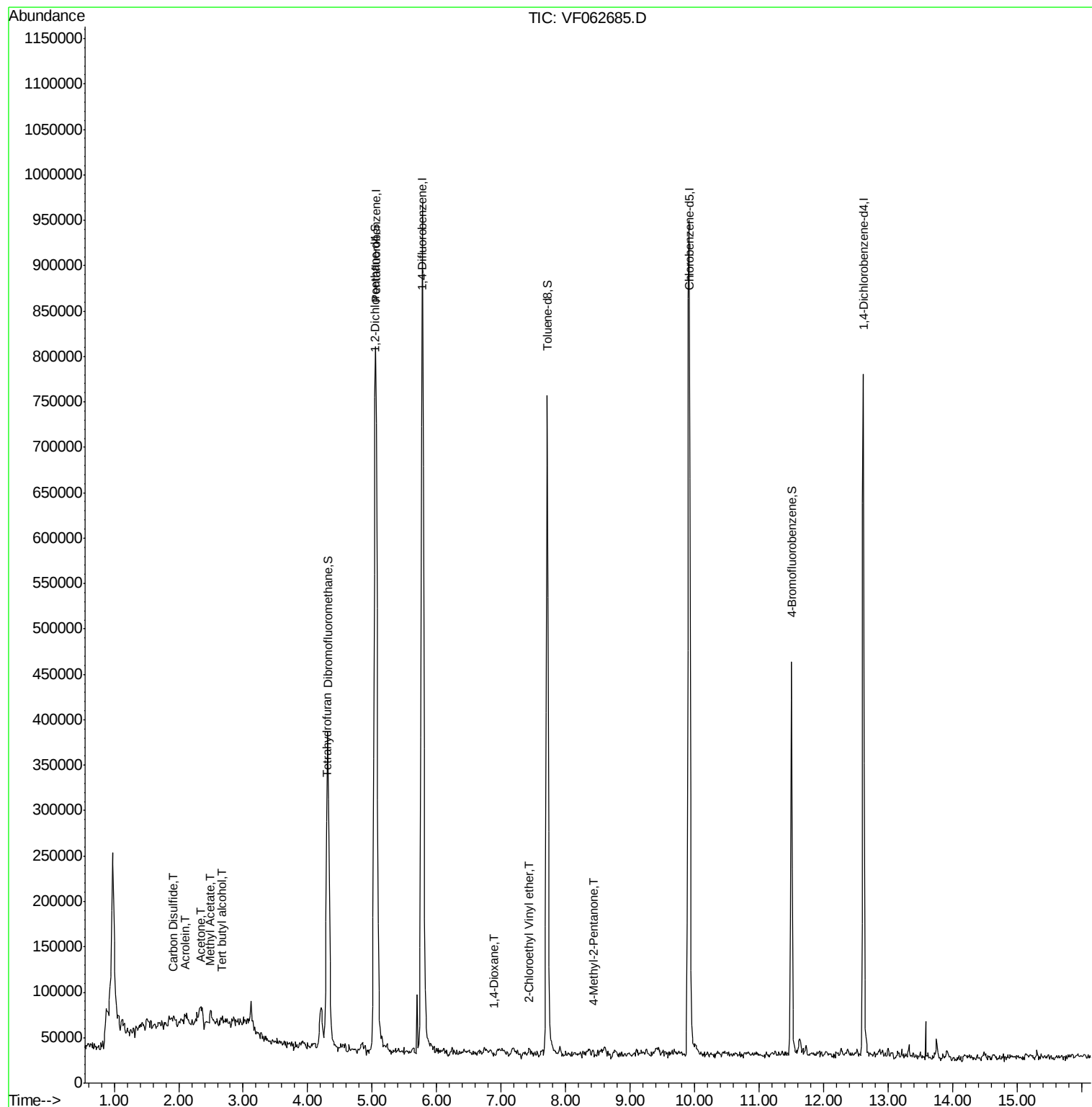
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.69	59	3333	9.350	ug/l #	40
13) Acrolein	2.11	56	2442	6.563	ug/l	94
16) Acetone	2.35	43	21667	15.468	ug/l	92
17) Carbon Disulfide	1.92	76	24186	1.189	ug/l #	68
18) Methyl Acetate	2.49	43	5927	2.693	ug/l #	52
29) Tetrahydrofuran	4.28	42	3772	3.115	ug/l #	81
49) 1,4-Dioxane	6.88	88	447	10.128	ug/l #	14
51) 4-Methyl-2-Pentanone	8.41	43	5716	1.268	ug/l #	75
58) 2-Chloroethyl Vinyl ether	7.44	63	2060	1.008	ug/l	92
59) 2-Hexanone	9.62	43	3678	Below Cal		90
74) N-amyl acetate	11.47	43	2288	Below Cal	#	79

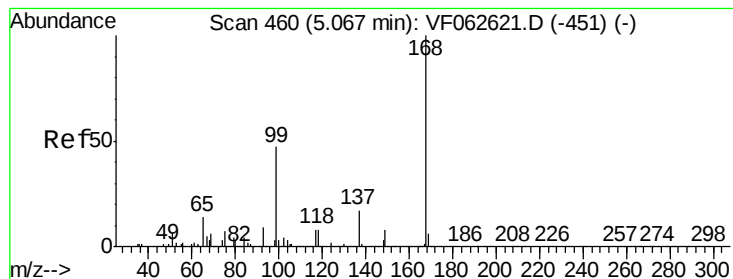
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 458

Delta R.T. -0.01 min

Lab File: VF062685.D

Acq: 21 May 2019 16:15

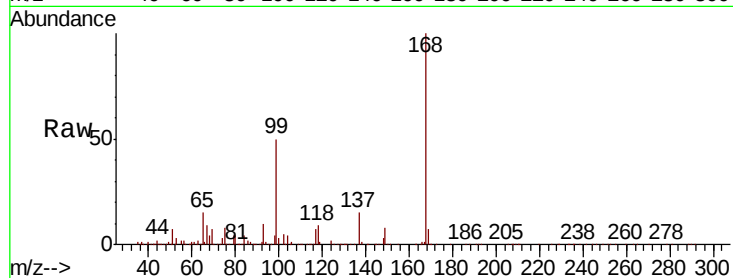
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 764089

Ion Ratio Lower Upper

168 100

99 49.5 37.8 56.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.05

250000

200000

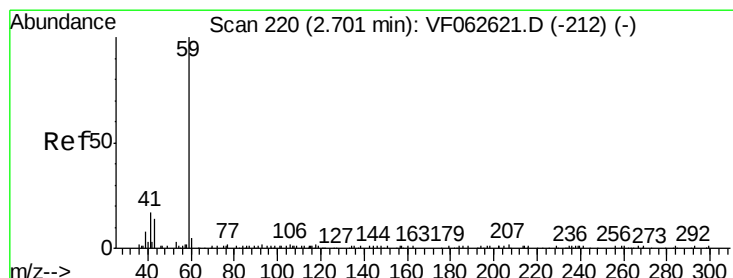
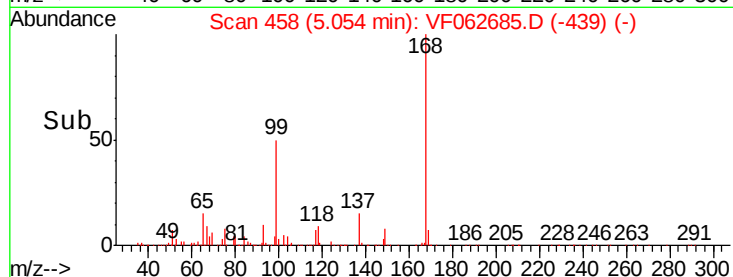
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 9.350 ug/l

RT: 2.69 min Scan# 218

Delta R.T. -0.01 min

Lab File: VF062685.D

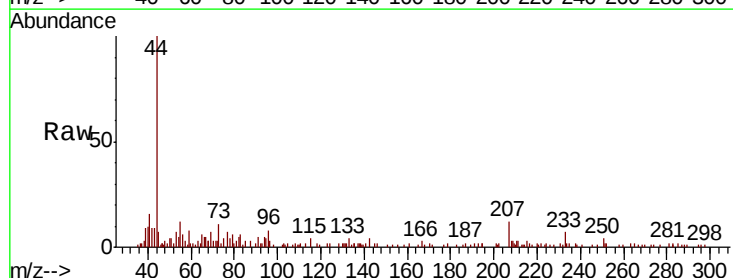
Acq: 21 May 2019 16:15

Tgt Ion: 59 Resp: 3333

Ion Ratio Lower Upper

59 100

57 34.7 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.69

1000

800

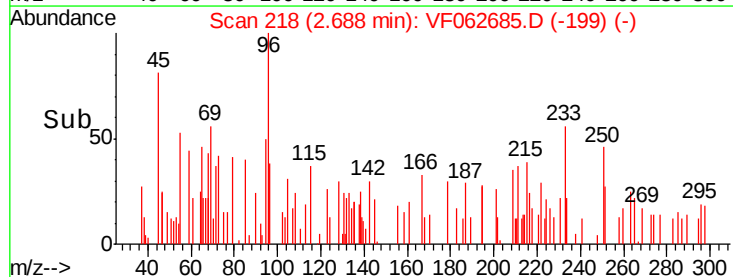
600

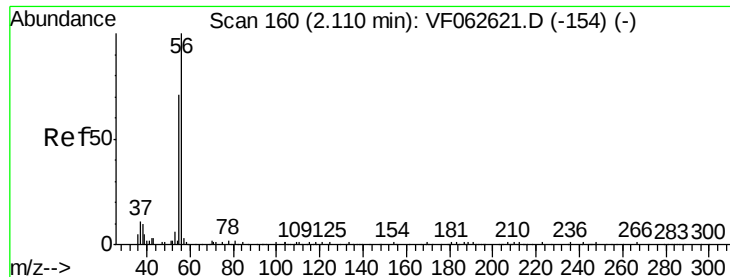
400

200

0

Time-->





#13

Acrolein

Concen: 6.563 ug/l

RT: 2.11 min Scan# 159

Delta R.T. -0.00 min

Lab File: VF062685.D

Acq: 21 May 2019 16:15

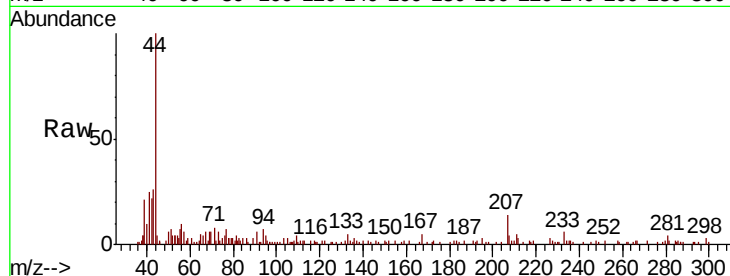
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 2442

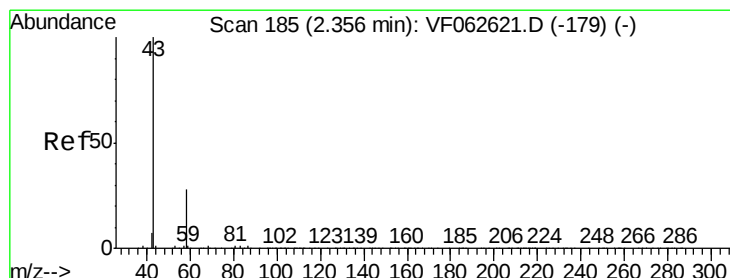
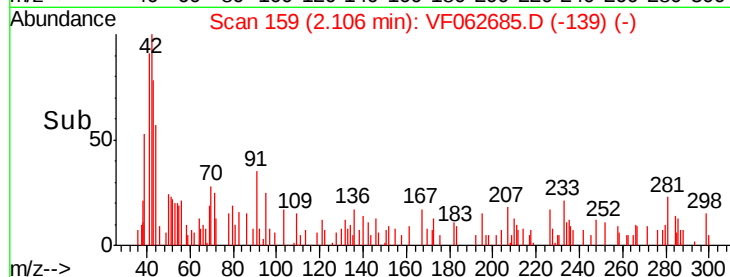
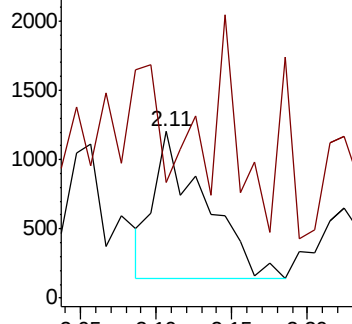
Ion Ratio Lower Upper

56 100

55 69.3 59.4 89.0



Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 55.00 (54.70 to 55.70): VF0



#16

Acetone

Concen: 15.468 ug/l

RT: 2.35 min Scan# 184

Delta R.T. -0.00 min

Lab File: VF062685.D

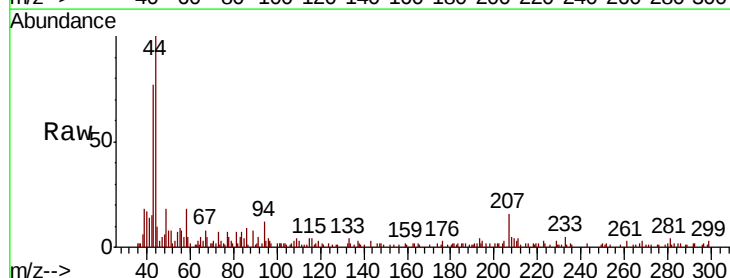
Acq: 21 May 2019 16:15

Tgt Ion: 43 Resp: 21667

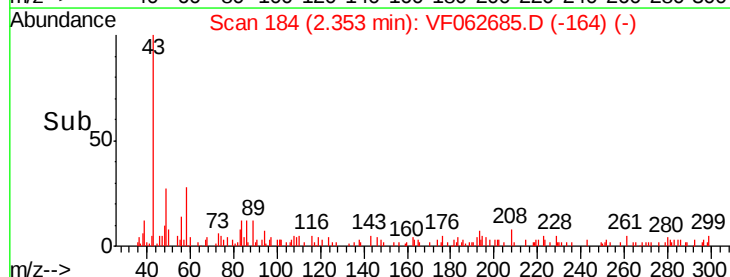
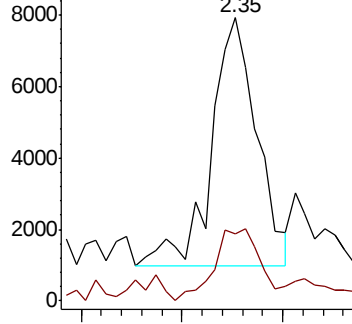
Ion Ratio Lower Upper

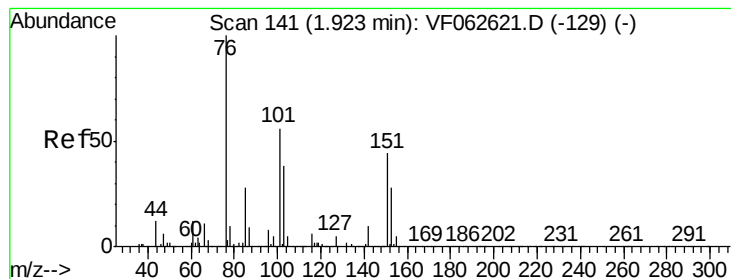
43 100

58 23.8 22.6 33.8



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





#17

Carbon Disulfide

Concen: 1.189 ug/l

RT: 1.92 min Scan# 140

Delta R.T. -0.00 min

Lab File: VF062685.D

Acq: 21 May 2019 16:15

Instrument :

MSVOA_F

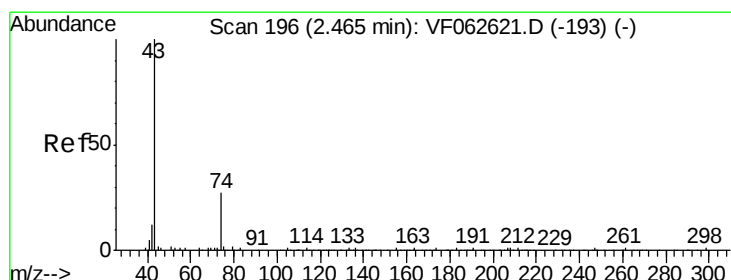
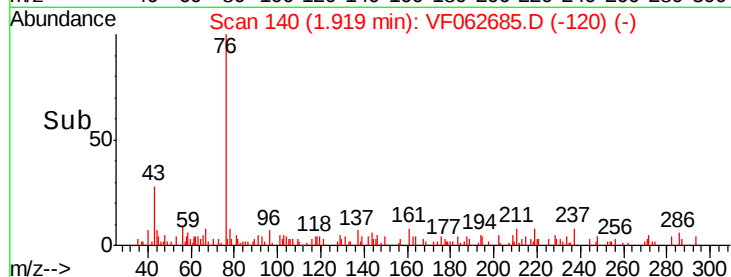
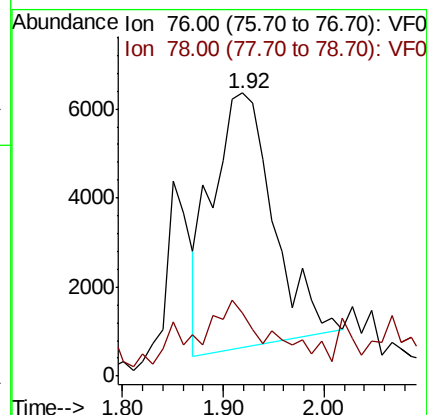
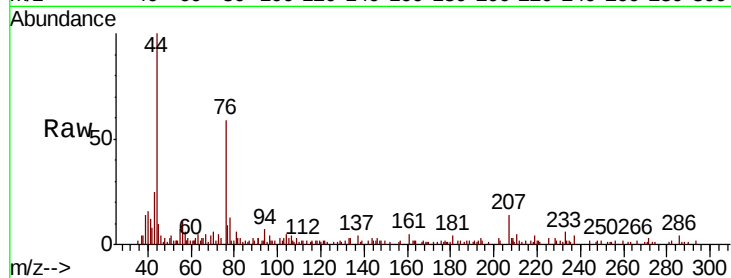
ClientSampleId :

Tot Ion: 76 Resp: 24186

Ion Ratio Lower Upper

76 100

78 22.5 8.4 12.6#



#18

Methyl Acetate

Concen: 2.693 ug/l

RT: 2.49 min Scan# 198

Delta R.T. 0.03 min

Lab File: VF062685.D

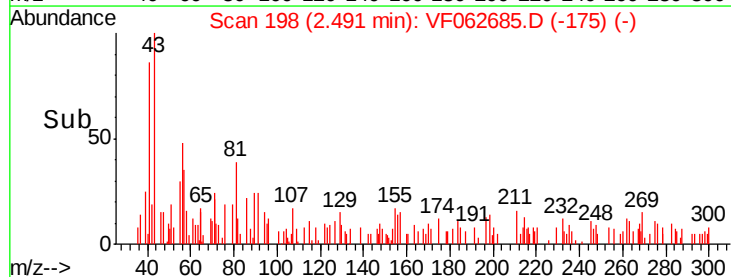
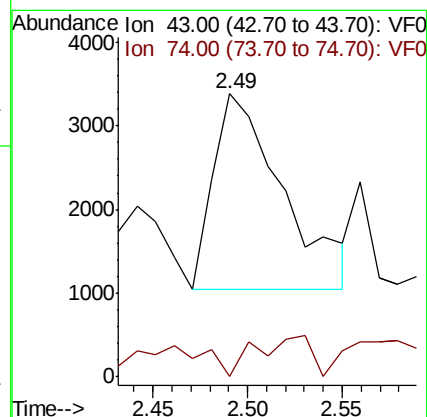
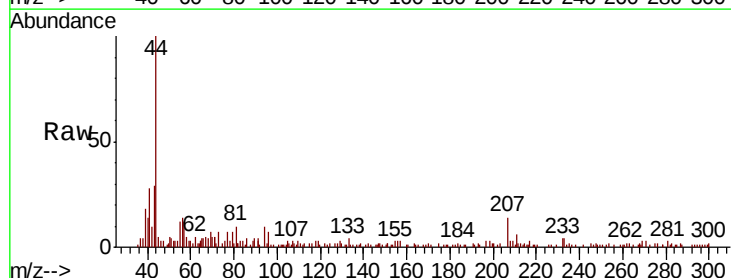
Acq: 21 May 2019 16:15

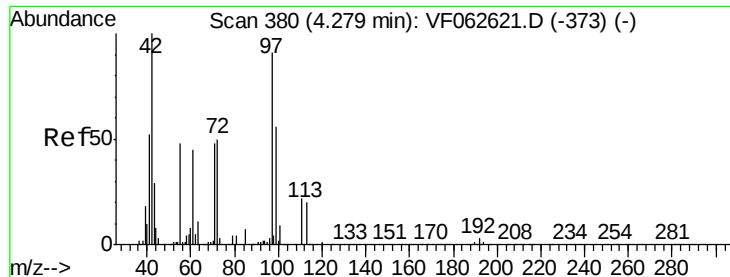
Tgt Ion: 43 Resp: 5927

Ion Ratio Lower Upper

43 100

74 0.0 18.9 28.3#





#29

Tetrahydrofuran

Concen: 3.115 ug/l

RT: 4.28 min Scan# 380

Delta R.T. 0.01 min

Lab File: VF062685.D

Acq: 21 May 2019 16:15

Instrument :

MSVOA_F

ClientSampleId :

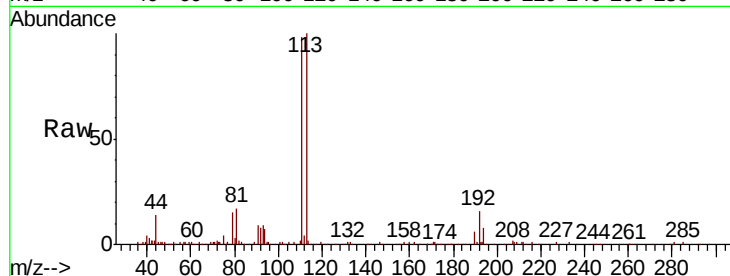
Tot Ion: 42 Resp: 3772

Ion Ratio Lower Upper

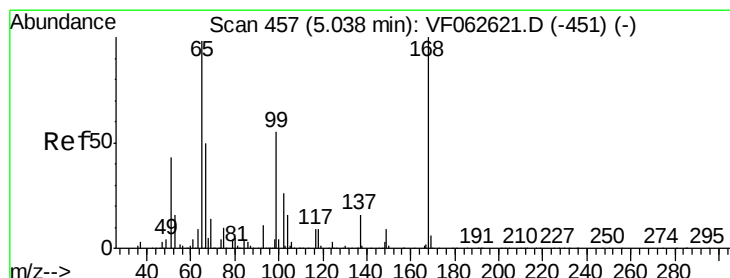
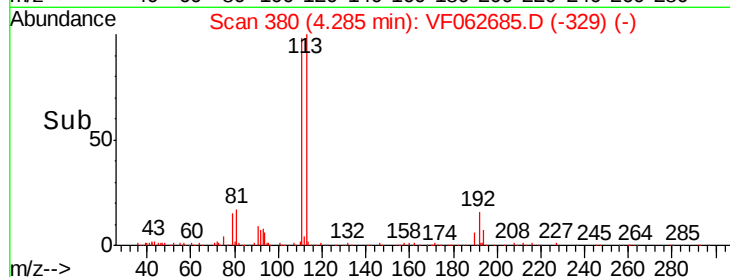
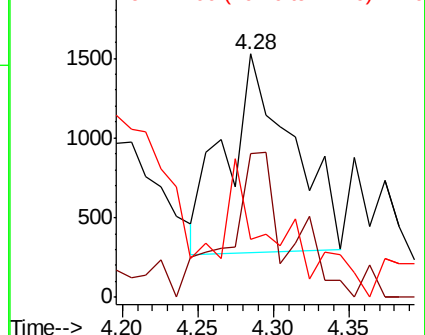
42 100

72 66.6 38.2 57.2#

71 51.2 35.8 53.6



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: 32.370 ug/l

RT: 5.03 min Scan# 456

Delta R.T. -0.00 min

Lab File: VF062685.D

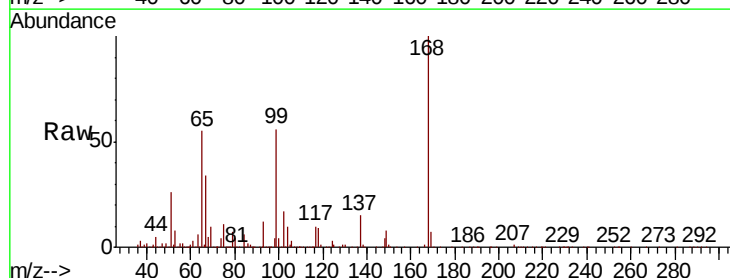
Acq: 21 May 2019 16:15

Tgt Ion: 65 Resp: 174780

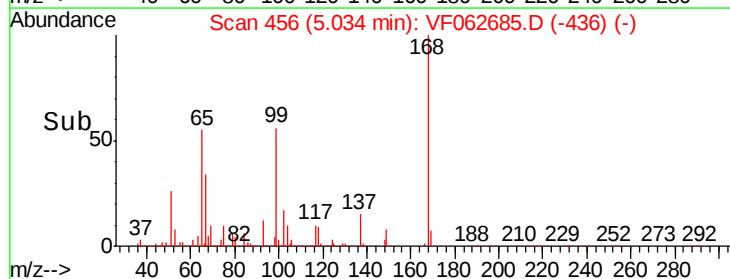
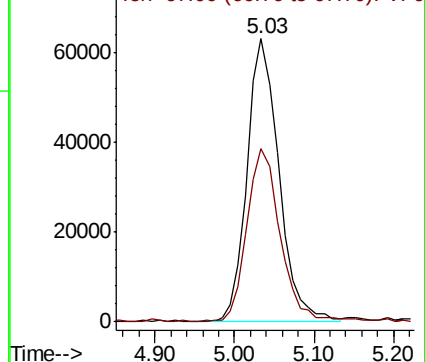
Ion Ratio Lower Upper

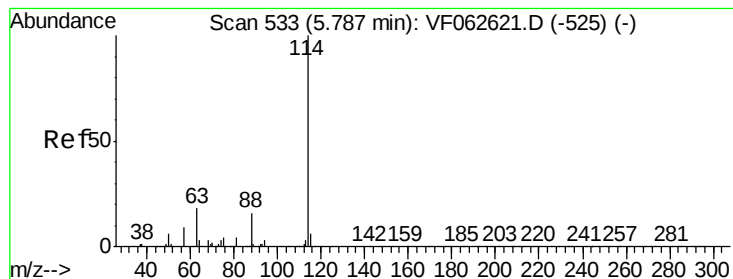
65 100

67 61.1 0.0 117.6



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. -0.01 min

Lab File: VF062685.D

Acq: 21 May 2019 16:15

Instrument :

MSVOA_F

ClientSampleId :

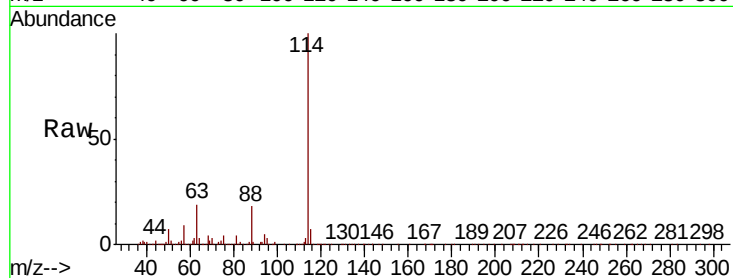
Tot Ion:114 Resp: 1216283

Ion Ratio Lower Upper

114 100

63 18.6 0.0 35.4

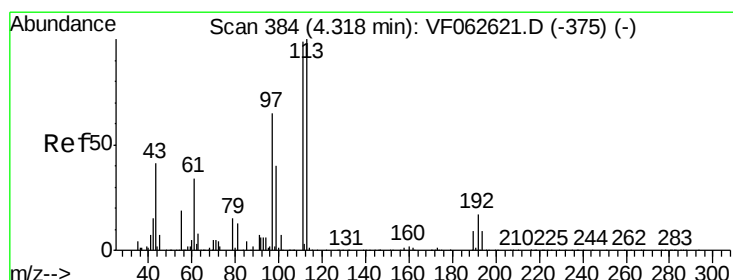
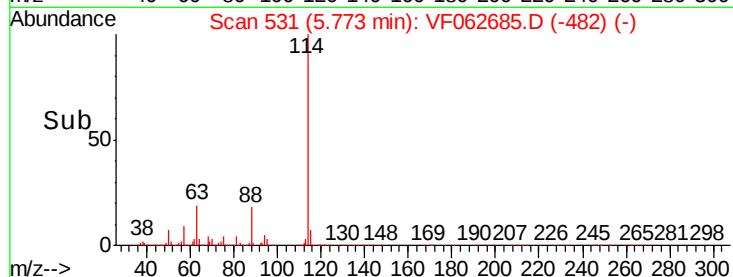
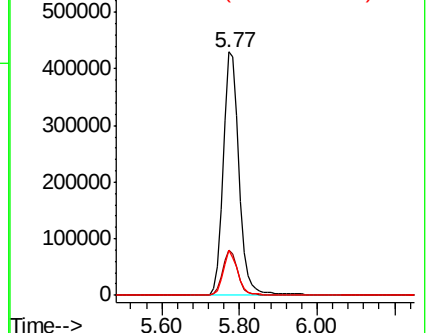
88 18.3 0.0 32.4



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: 37.628 ug/l

RT: 4.31 min Scan# 383

Delta R.T. -0.00 min

Lab File: VF062685.D

Acq: 21 May 2019 16:15

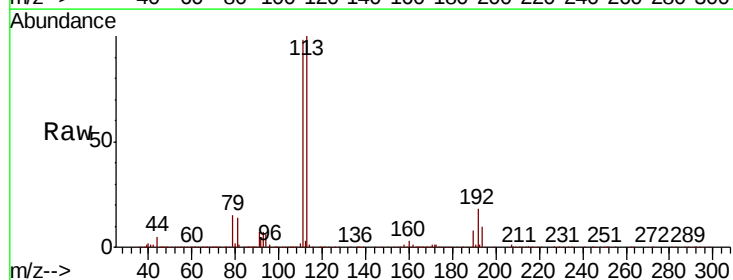
Tgt Ion:113 Resp: 350206

Ion Ratio Lower Upper

113 100

111 97.6 79.4 119.2

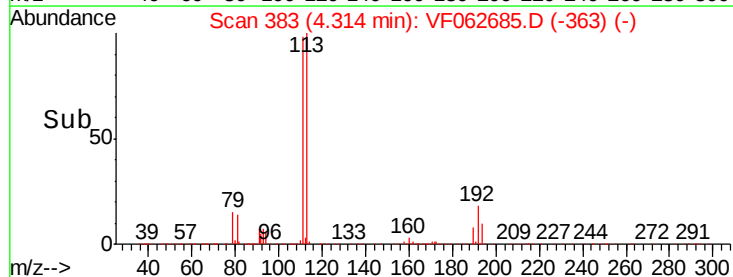
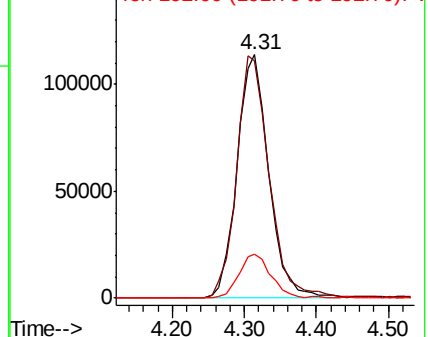
192 17.9 13.4 20.2

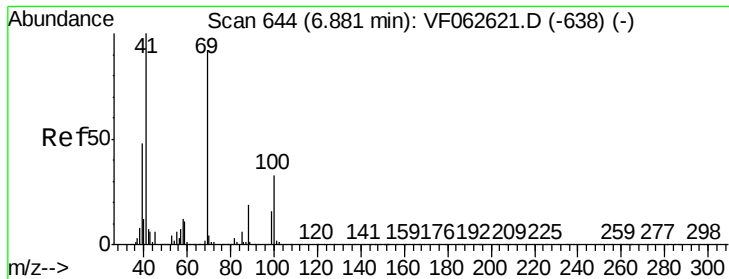


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

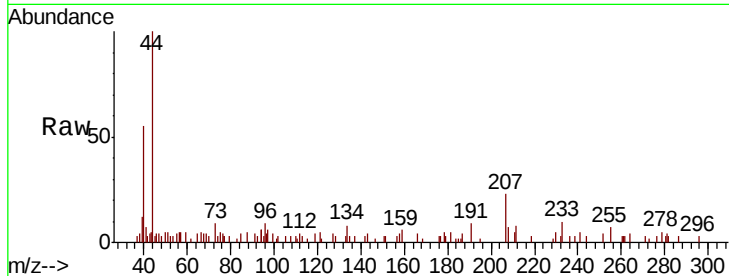




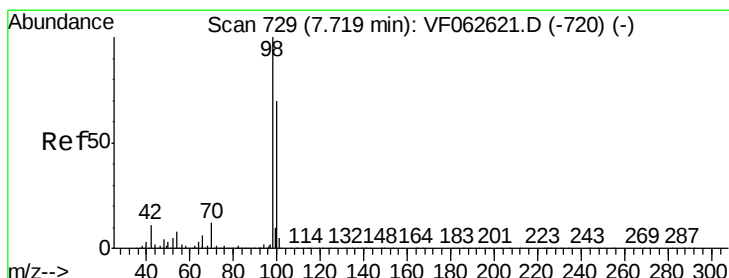
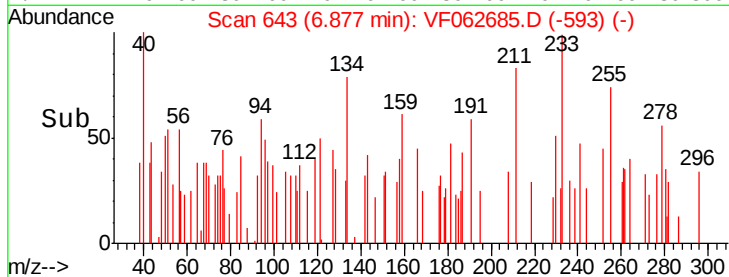
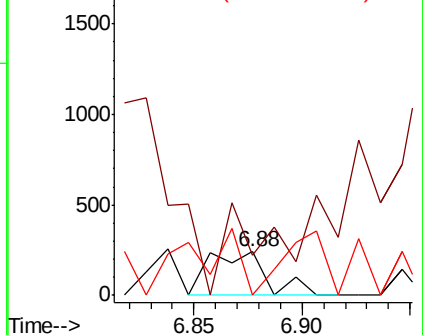
#49
1,4-Dioxane
Concen: 10.128 ug/l
RT: 6.88 min Scan# 643
Delta R.T. -0.00 min
Lab File: VF062685.D
Acq: 21 May 2019 16:15

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 88 Resp: 447
Ion Ratio Lower Upper
88 100
43 92.9 30.0 45.0#
58 0.0 51.1 76.7#

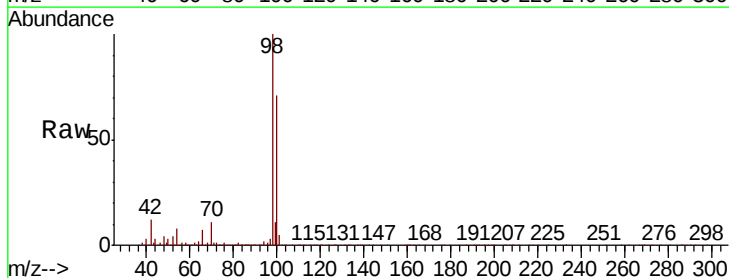


Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

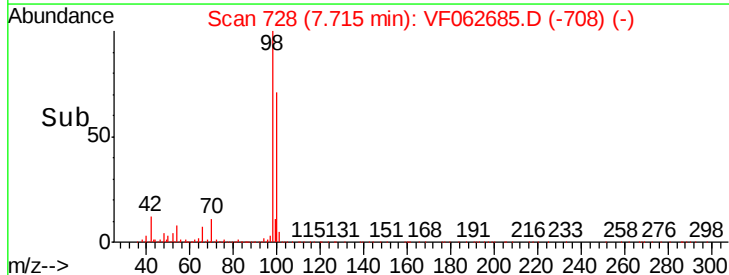
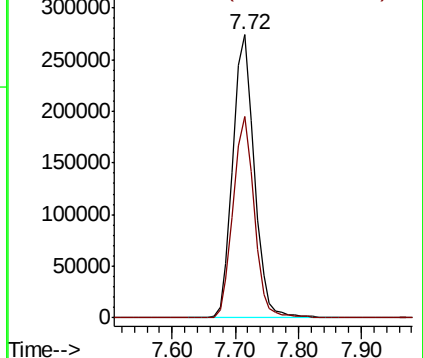


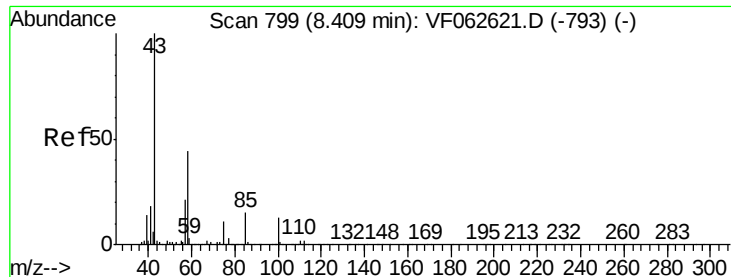
#50
Toluene-d8
Concen: 29.035 ug/l
RT: 7.72 min Scan# 728
Delta R.T. -0.00 min
Lab File: VF062685.D
Acq: 21 May 2019 16:15

Tgt Ion: 98 Resp: 645209
Ion Ratio Lower Upper
98 100
100 71.0 56.2 84.2



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





#51

4-Methyl-2-Pentanone

Concen: 1.268 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.01 min

Lab File: VF062685.D

Acq: 21 May 2019 16:15

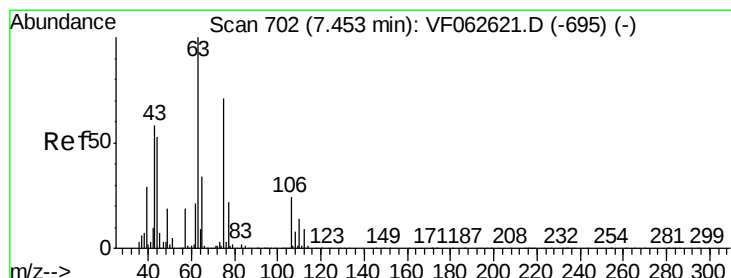
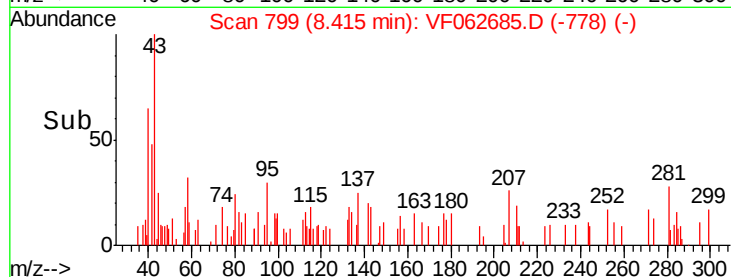
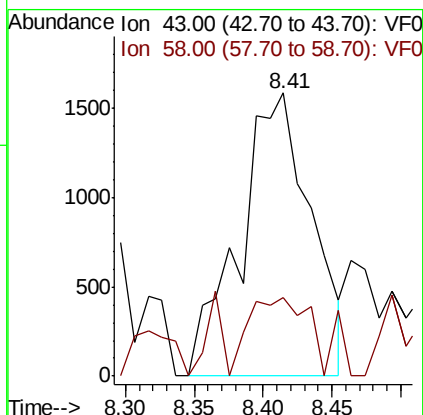
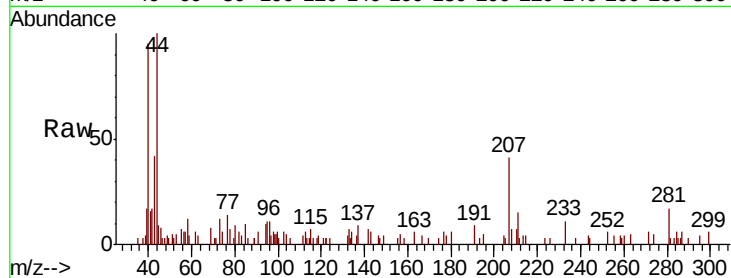
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 5716

Ion Ratio Lower Upper

43 100

58 27.7 34.9 52.3#



#58

2-Chloroethyl Vinyl ether

Concen: 1.008 ug/l

RT: 7.44 min Scan# 700

Delta R.T. -0.01 min

Lab File: VF062685.D

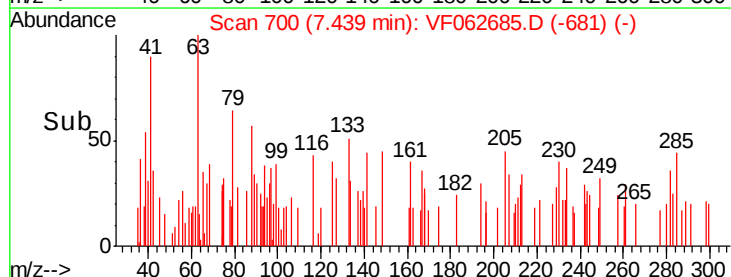
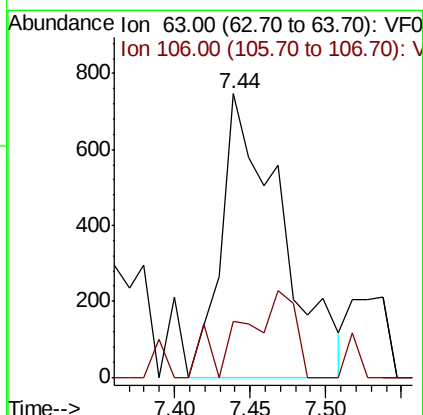
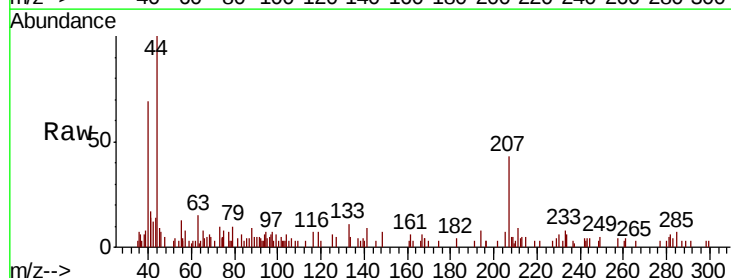
Acq: 21 May 2019 16:15

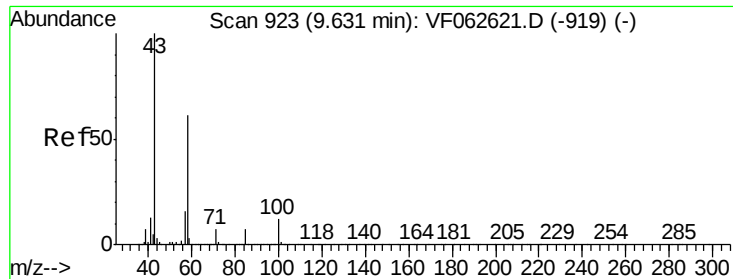
Tgt Ion: 63 Resp: 2060

Ion Ratio Lower Upper

63 100

106 19.8 19.1 28.7

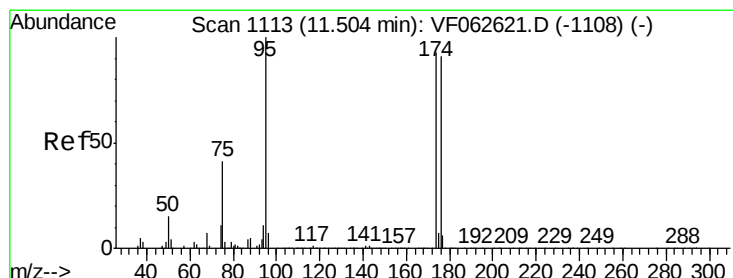
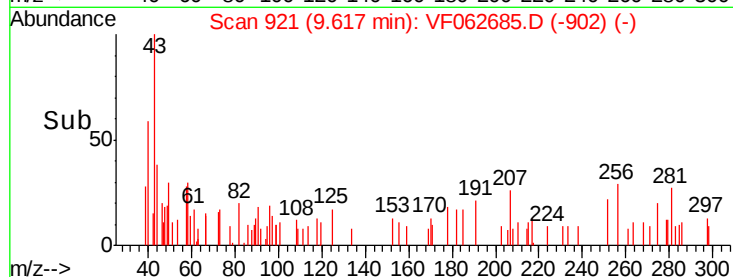
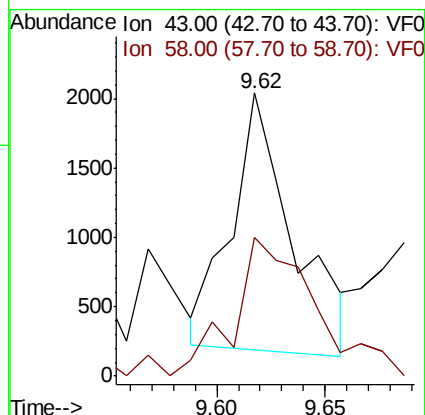
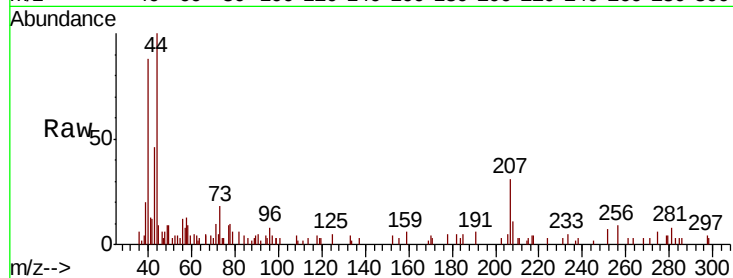




#59
2-Hexanone
Concen: Below Cal
RT: 9.62 min Scan# 921
Delta R.T. -0.01 min
Lab File: VF062685.D
Acq: 21 May 2019 16:15

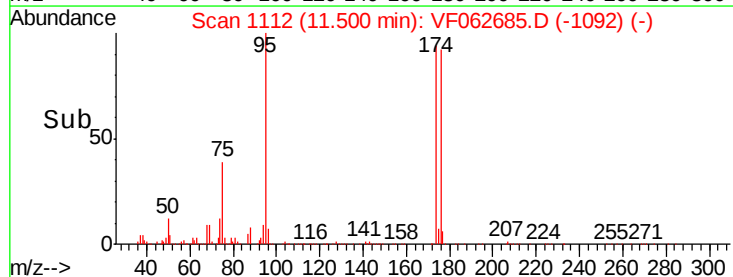
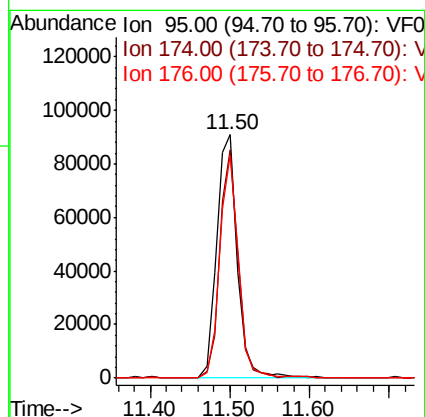
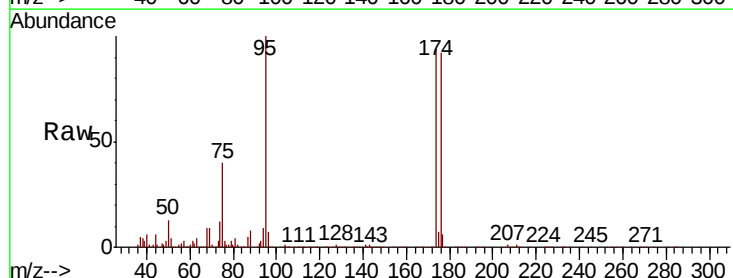
Instrument :
MSVOA_F
ClientSampled :

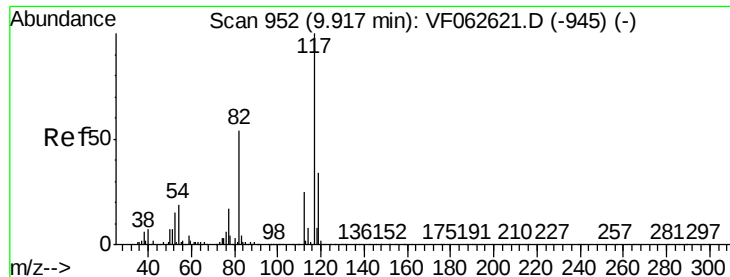
Tot Ion: 43 Resp: 3678
Ion Ratio Lower Upper
43 100
58 49.0 28.1 84.4



#62
4-Bromofluorobenzene
Concen: 19.713 ug/l
RT: 11.50 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VF062685.D
Acq: 21 May 2019 16:15

Tgt Ion: 95 Resp: 166143
Ion Ratio Lower Upper
95 100
174 93.5 0.0 185.6
176 91.8 0.0 182.4

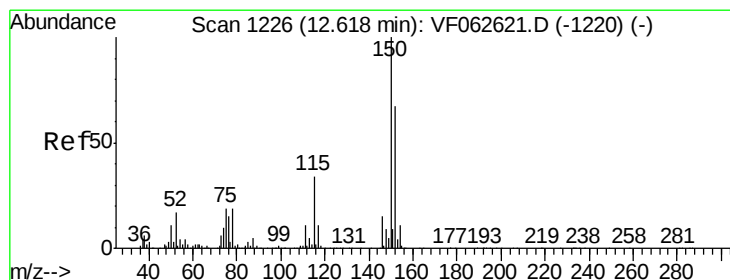
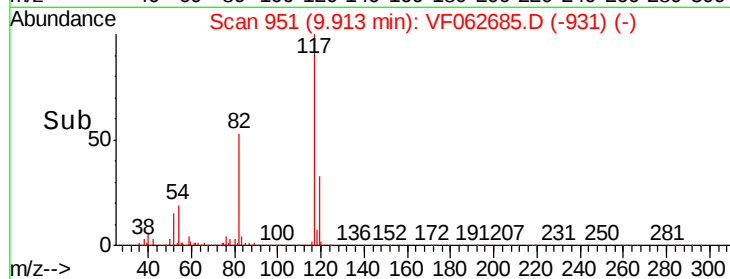
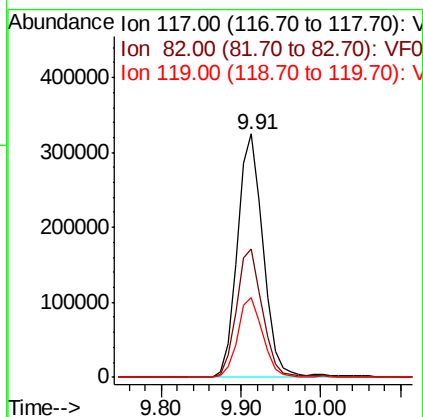
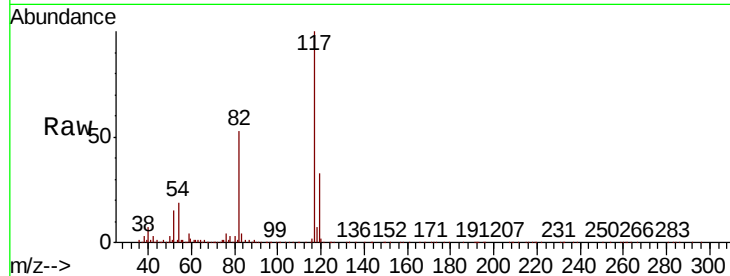




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.00 min
Lab File: VF062685.D
Acq: 21 May 2019 16:15

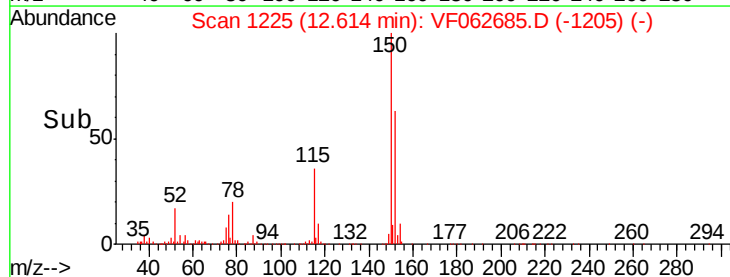
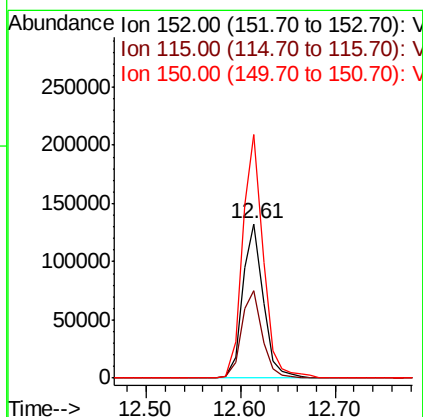
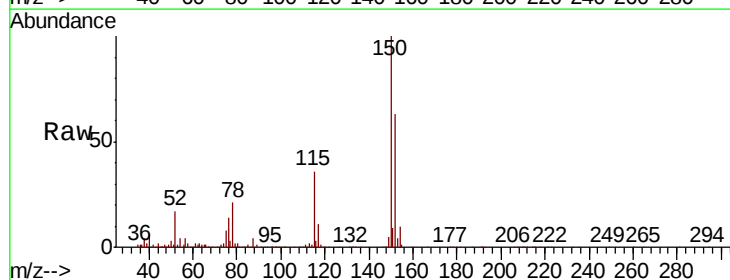
Instrument :
MSVOA_F
ClientSampleId :

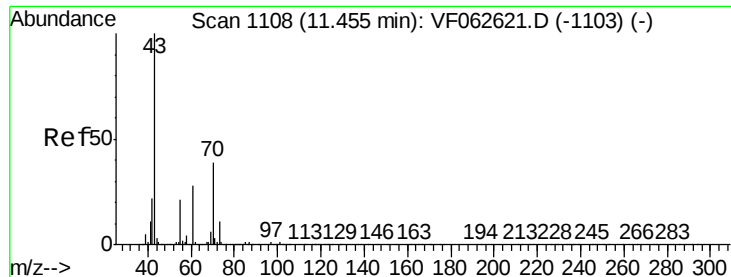
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.7	43.3	64.9
119	32.8	27.4	41.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1225
Delta R.T. -0.00 min
Lab File: VF062685.D
Acq: 21 May 2019 16:15

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.8	25.2	75.6
150	157.6	0.0	306.2





#74

N-amvl acetate

Concen: Below Cal

RT: 11.47 min Scan# 1109

Delta R.T. 0.02 min

Lab File: VF062685.D

Acq: 21 May 2019 16:15

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 43 Resp: 2288

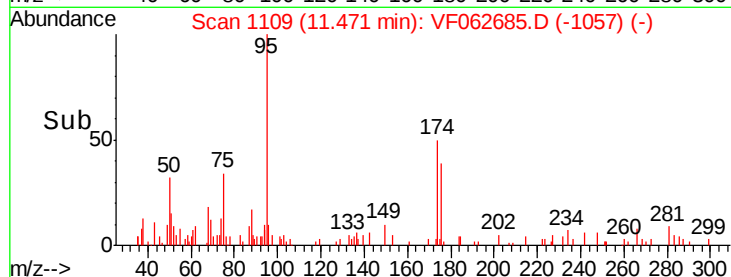
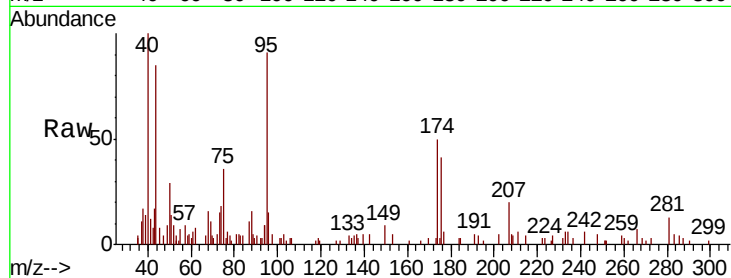
Ion Ratio Lower Upper

43 100

70 45.2 30.9 46.3

55 41.2 17.0 25.4#

61 38.3 22.6 34.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

