

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052919\
 Data File : VF062775.D
 Acq On : 29 May 2019 11:38
 Operator : FY/SY
 Sample : VF0529SBL01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0529SBL01

Quant Time: May 30 08:36:51 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	5.07	168	757893	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1249609	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	1002920	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	448248	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.05	65	247893	46.29	ug/l	0.01
Spiked Amount 50.000			Recovery	=	92.58%	
35) Dibromofluoromethane	4.32	113	458164	47.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.82%	
50) Toluene-d8	7.73	98	1024536	44.88	ug/l	0.01
Spiked Amount 50.000			Recovery	=	89.76%	
62) 4-Bromofluorobenzene	11.51	95	391976	45.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.54%	

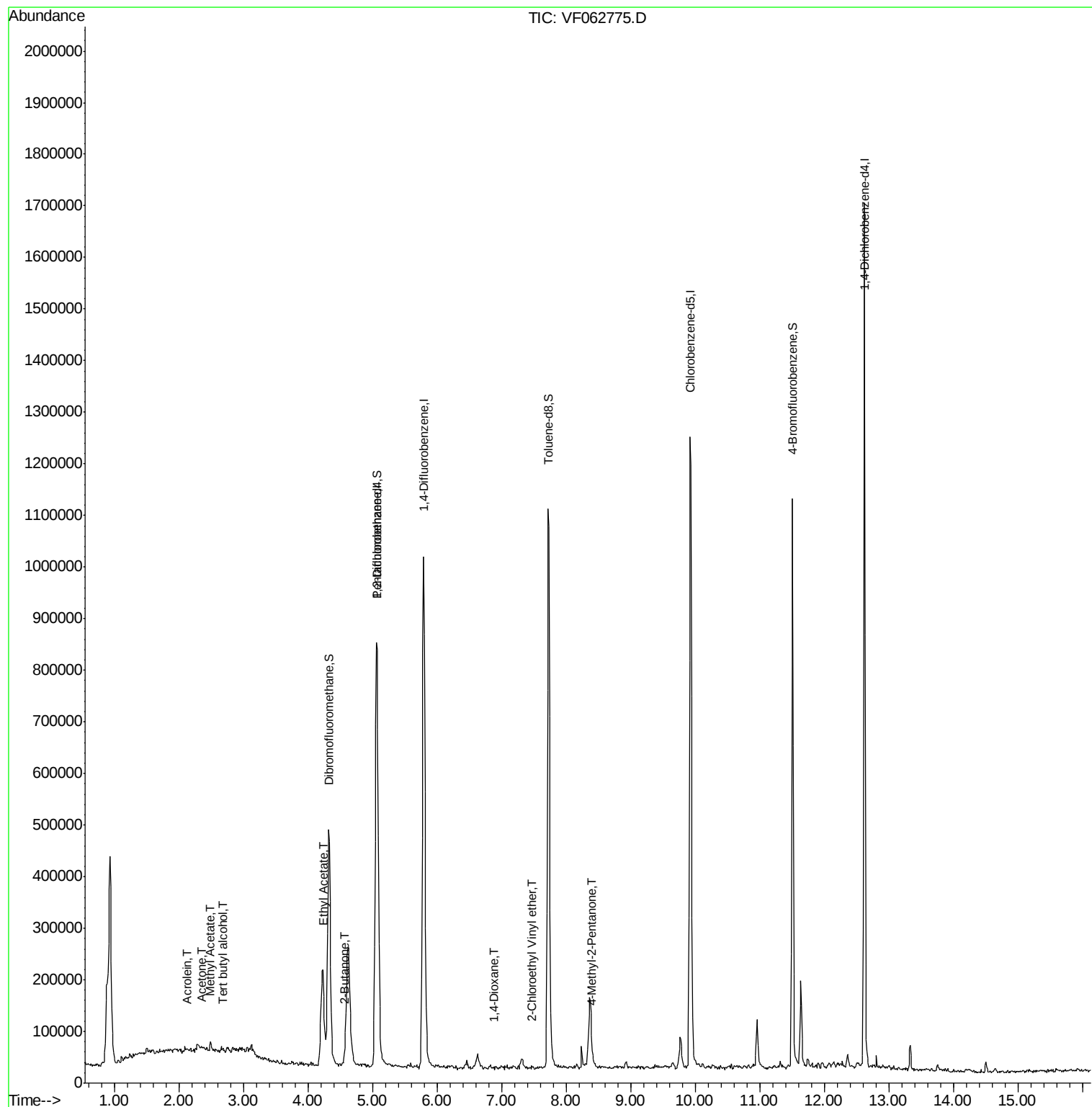
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.70	59	1774	5.017	ug/l #	1
13) Acrolein	2.13	56	1625	4.403	ug/l #	49
16) Acetone	2.35	43	9798	7.052	ug/l	92
18) Methyl Acetate	2.49	43	5482	2.511	ug/l #	79
25) 2-Butanone	4.56	43	5696	1.919	ug/l	95
37) Ethyl Acetate	4.22	43	8843	1.691	ug/l	91
49) 1,4-Dioxane	6.88	88	496	10.939	ug/l #	10
51) 4-Methyl-2-Pentanone	8.41	43	9946	2.148	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.47	63	3367	1.603	ug/l #	51
59) 2-Hexanone	9.66	43	9462	Below Cal		79
74) N-amyl acetate	11.45	43	5770	Below Cal	#	85

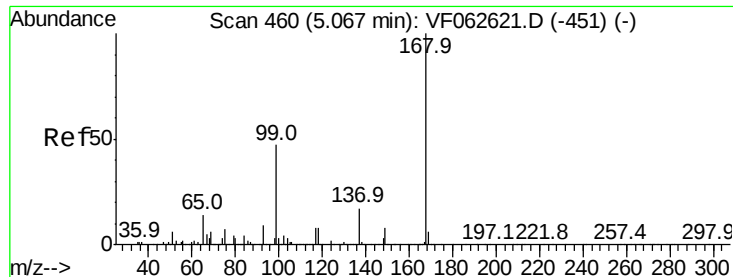
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF052919\
Data File : VF062775.D
Acq On : 29 May 2019 11:38
Operator : FY/SY
Sample : VF0529SBL01
Misc : 5.00µg/5mL/MSVOA F/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBL01

Quant Time: May 30 08:36:51 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
Quant Title : SW846 8260
QLast Update : Fri May 17 05:49:09 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.07 min Scan# 460

Delta R.T. 0.00 min

Lab File: VF062775.D

Acq: 29 May 2019 11:38

Instrument :

MSVOA_F

ClientSampleId :

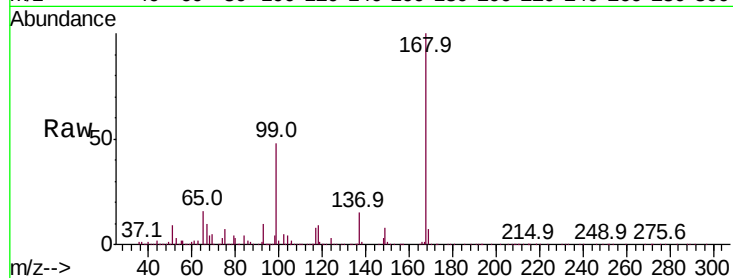
VF0529SBL01

Tot Ion:168 Resp: 757893

Ion Ratio Lower Upper

168 100

99 48.3 37.8 56.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.07

250000

200000

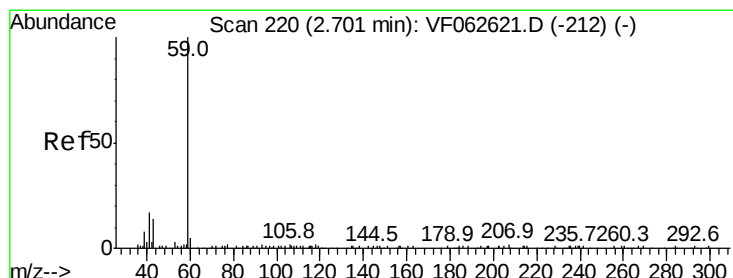
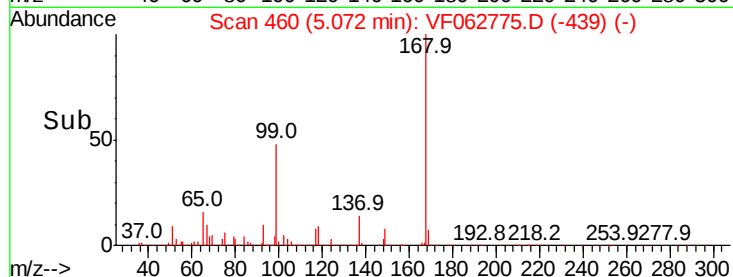
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 5.017 ug/l

RT: 2.70 min Scan# 219

Delta R.T. -0.01 min

Lab File: VF062775.D

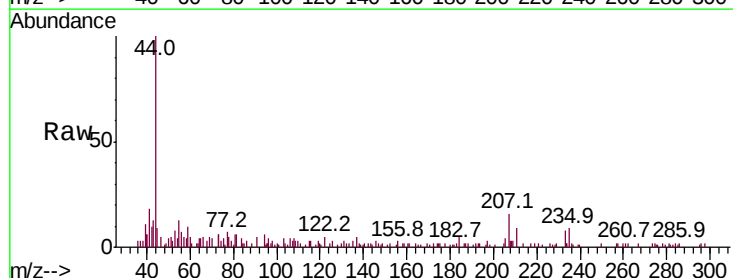
Acq: 29 May 2019 11:38

Tgt Ion: 59 Resp: 1774

Ion Ratio Lower Upper

59 100

57 54.0 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.70

1000

800

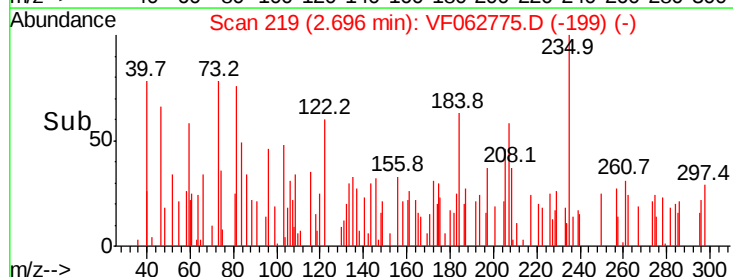
600

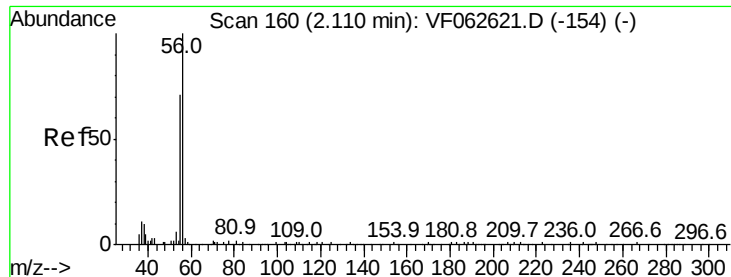
400

200

0

Time-->

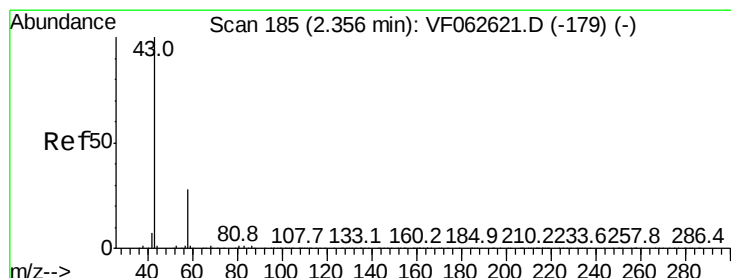
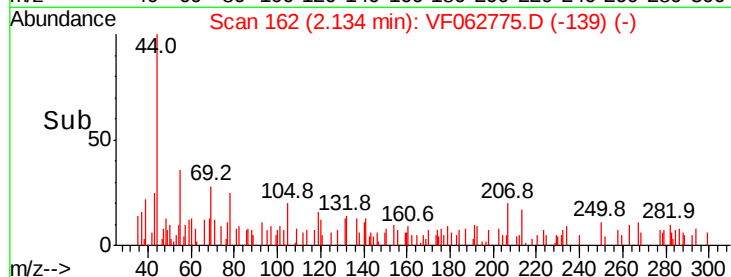
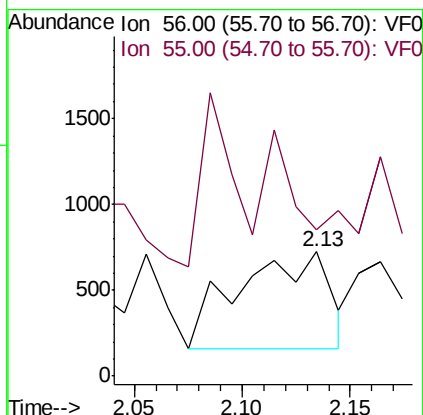
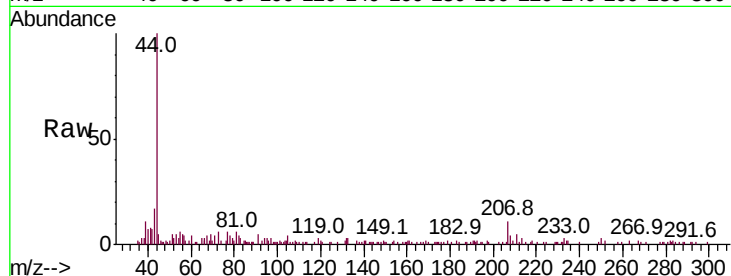




#13
Acrolein
Concen: 4.403 ug/l
RT: 2.13 min Scan# 162
Delta R.T. 0.02 min
Lab File: VF062775.D
Acq: 29 May 2019 11:38

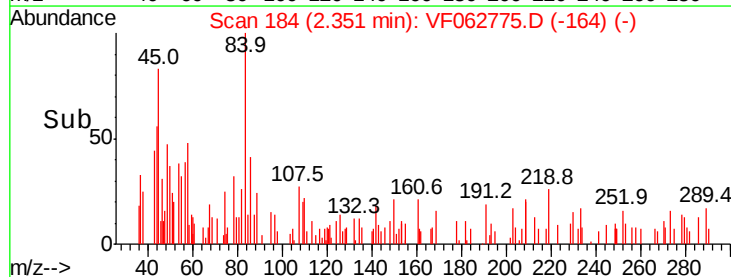
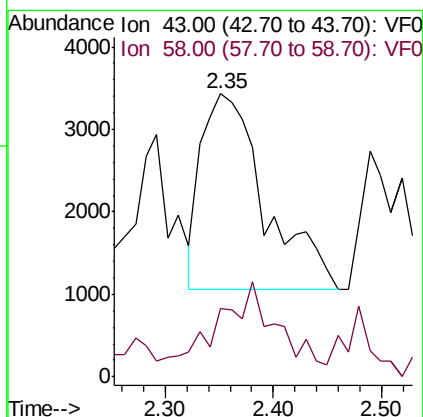
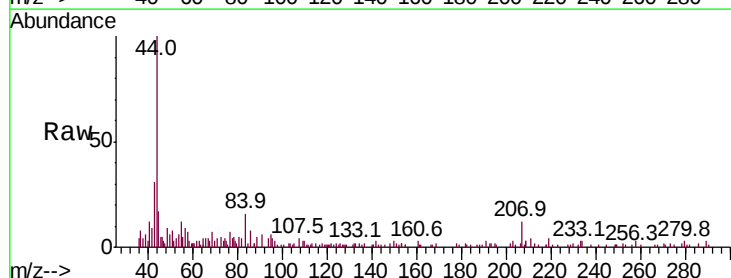
Instrument :
MSVOA_F
ClientSampleId :
VF0529SBL01

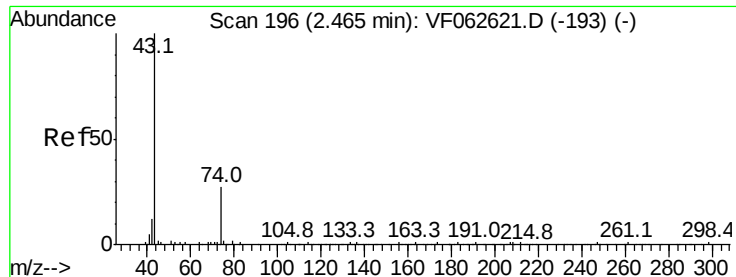
Tot Ion: 56 Resp: 1625
Ion Ratio Lower Upper
56 100
55 117.7 59.4 89.0#



#16
Acetone
Concen: 7.052 ug/l
RT: 2.35 min Scan# 184
Delta R.T. -0.01 min
Lab File: VF062775.D
Acq: 29 May 2019 11:38

Tgt Ion: 43 Resp: 9798
Ion Ratio Lower Upper
43 100
58 23.9 22.6 33.8

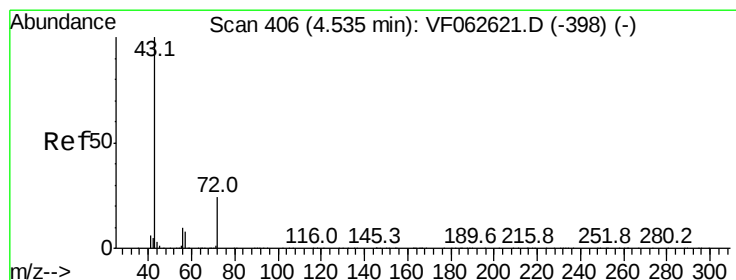
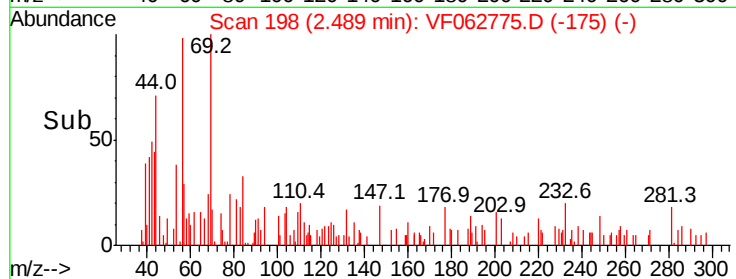
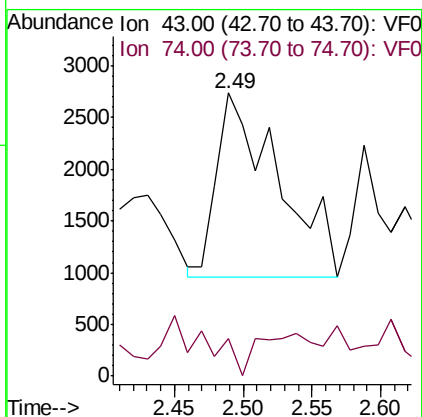
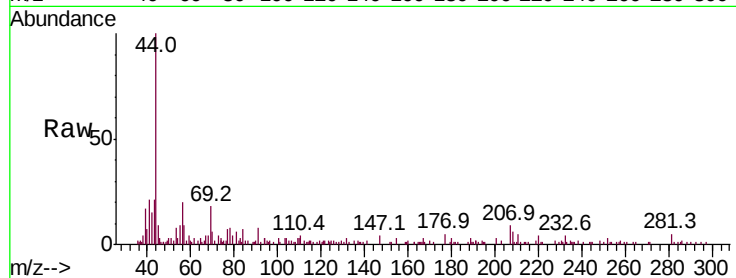




#18
Methvl Acetate
Concen: 2.511 ug/l
RT: 2.49 min Scan# 198
Delta R.T. 0.02 min
Lab File: VF062775.D
Acq: 29 May 2019 11:38

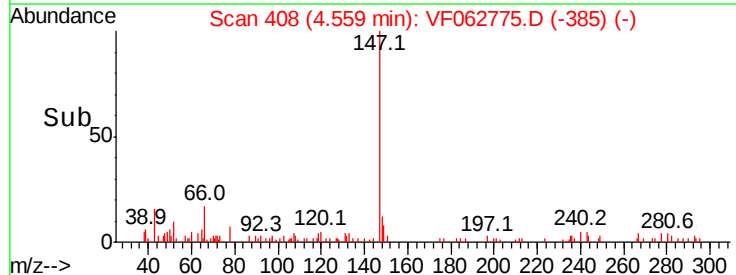
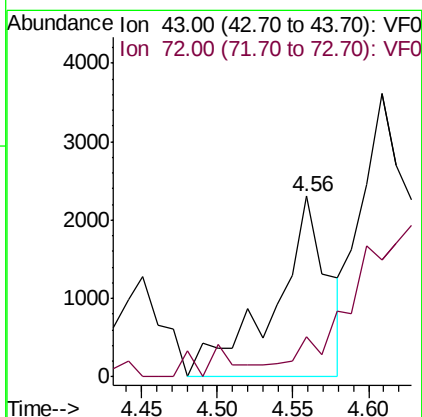
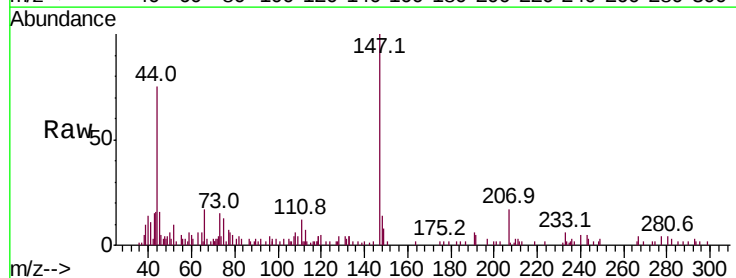
Instrument :
MSVOA_F
ClientSampleId :
VF0529SBL01

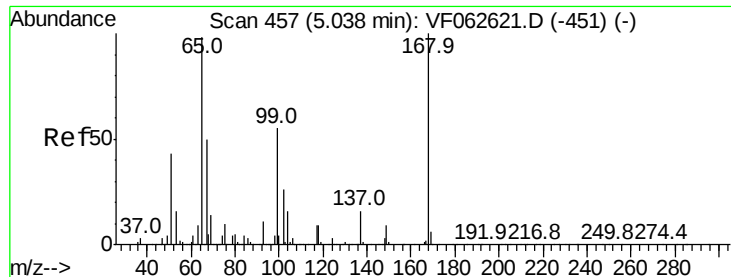
Tot Ion: 43 Resp: 5482
Ion Ratio Lower Upper
43 100
74 13.4 18.9 28.3#



#25
2-Butanone
Concen: 1.919 ug/l
RT: 4.56 min Scan# 408
Delta R.T. 0.02 min
Lab File: VF062775.D
Acq: 29 May 2019 11:38

Tgt Ion: 43 Resp: 5696
Ion Ratio Lower Upper
43 100
72 22.4 20.1 30.1





#33

1,2-Dichloroethane-d4

Concen: 46.286 ug/l

RT: 5.05 min Scan# 458

Delta R.T. 0.01 min

Lab File: VF062775.D

Acq: 29 May 2019 11:38

Instrument :

MSVOA_F

ClientSampleId :

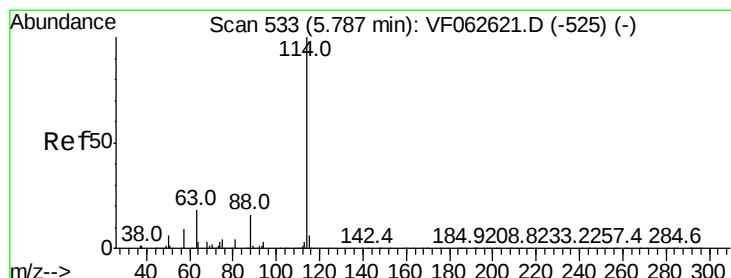
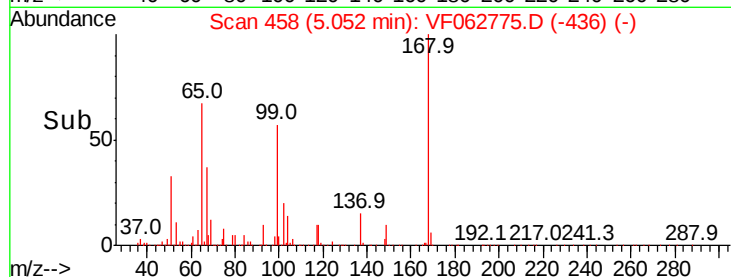
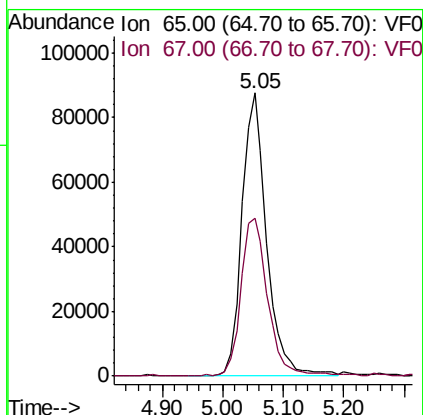
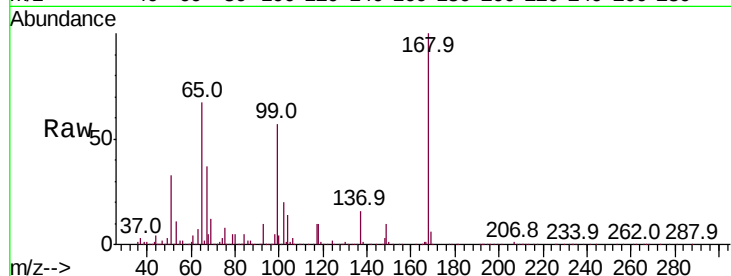
VF0529SBL01

Tot Ion: 65 Resp: 247893

Ion Ratio Lower Upper

65 100

67 55.8 0.0 117.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.79 min Scan# 533

Delta R.T. 0.00 min

Lab File: VF062775.D

Acq: 29 May 2019 11:38

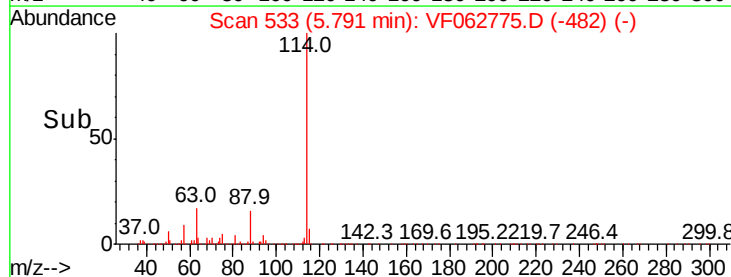
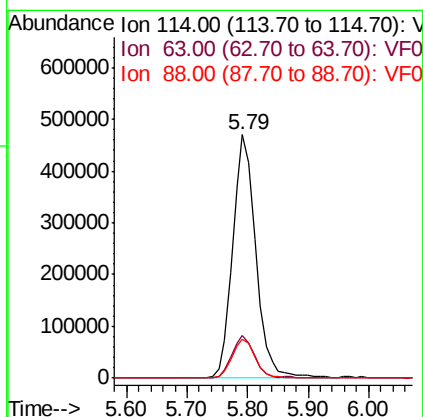
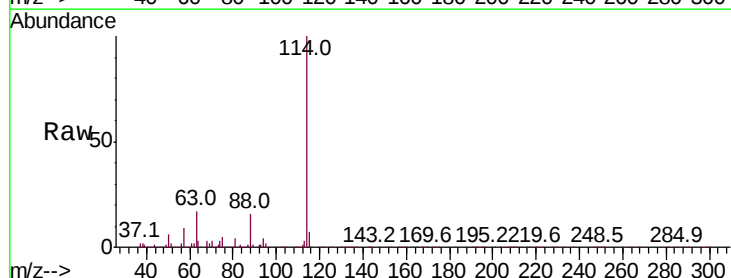
Tgt Ion: 114 Resp: 1249609

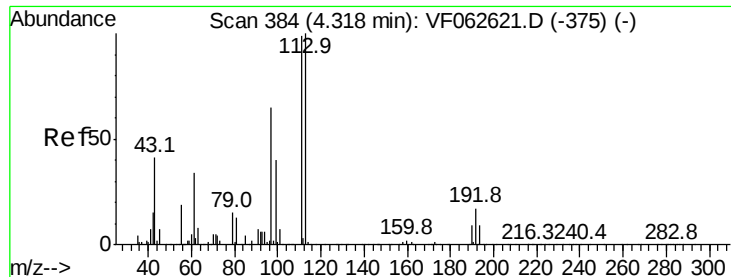
Ion Ratio Lower Upper

114 100

63 17.4 0.0 35.4

88 16.0 0.0 32.4





#35

Dibromofluoromethane

Concen: 47.915 ug/l

RT: 4.32 min Scan# 384

Delta R.T. 0.00 min

Lab File: VF062775.D

Acq: 29 May 2019 11:38

Instrument :

MSVOA_F

ClientSampleId :

VF0529SBL01

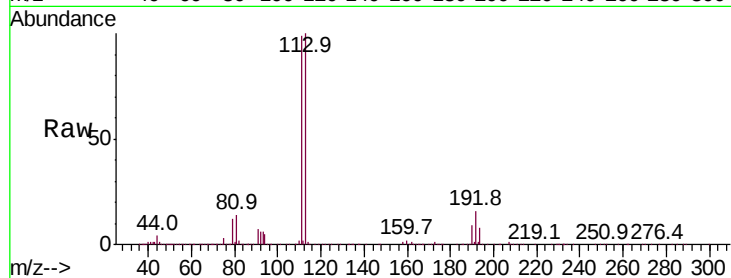
Tot Ion:113 Resp: 458164

Ion Ratio Lower Upper

113 100

111 99.5 79.4 119.2

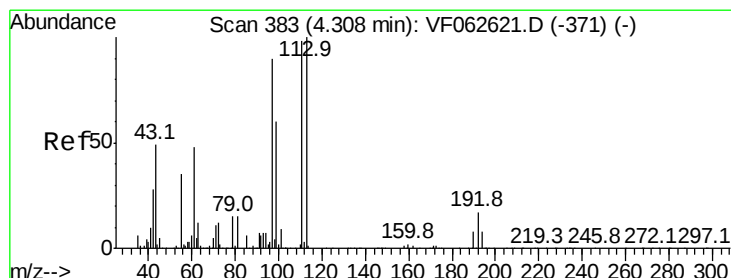
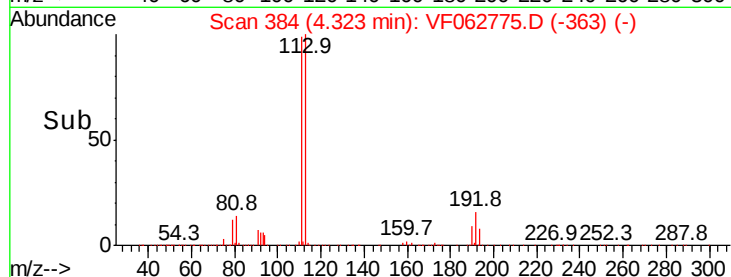
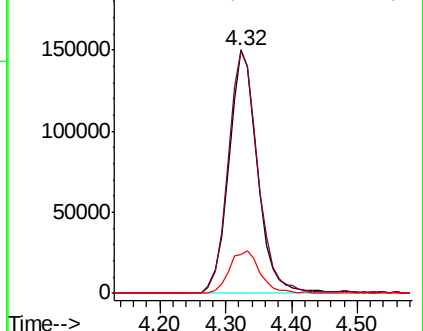
192 16.0 13.4 20.2



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



#37

Ethyl Acetate

Concen: 1.691 ug/l

RT: 4.22 min Scan# 374

Delta R.T. -0.08 min

Lab File: VF062775.D

Acq: 29 May 2019 11:38

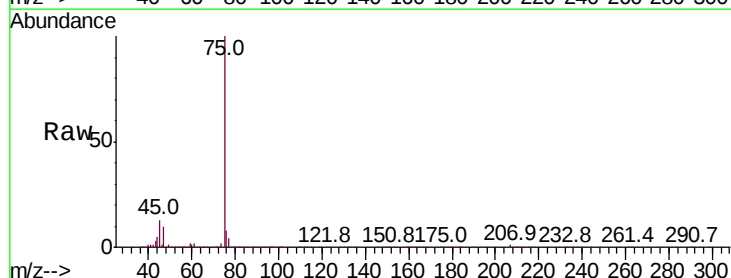
Tgt Ion: 43 Resp: 8843

Ion Ratio Lower Upper

43 100

61 86.3 76.9 115.3

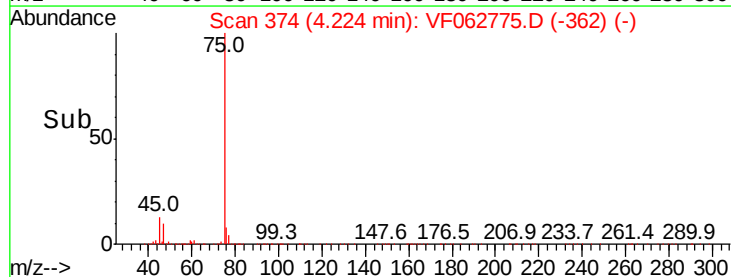
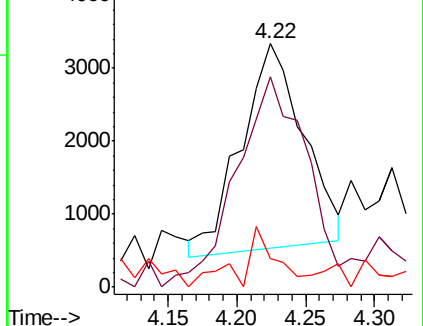
70 12.0 8.8 13.2

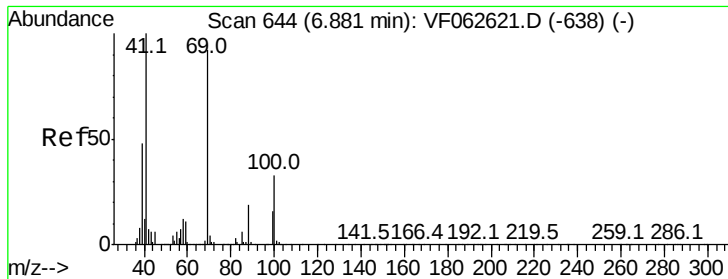


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0





#49

1,4-Dioxane

Concen: 10.939 ug/l

RT: 6.88 min Scan# 643

Delta R.T. -0.01 min

Lab File: VF062775.D

Acq: 29 May 2019 11:38

Instrument :

MSVOA_F

ClientSampleId :

VF0529SBL01

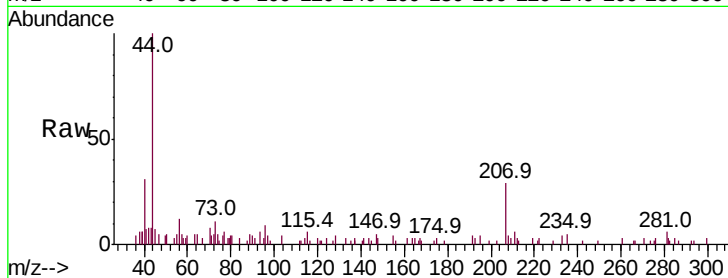
Tot Ion: 88 Resp: 496

Ion Ratio Lower Upper

88 100

43 183.9 30.0 45.0#

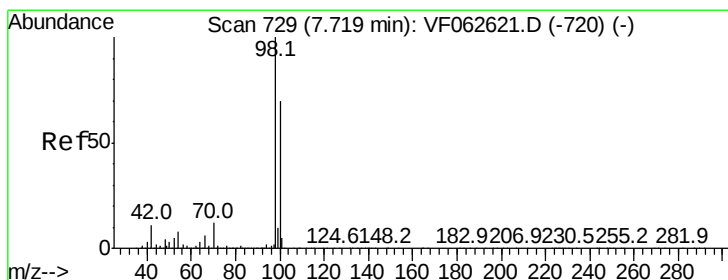
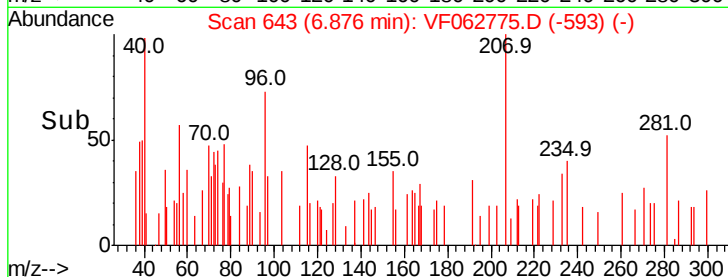
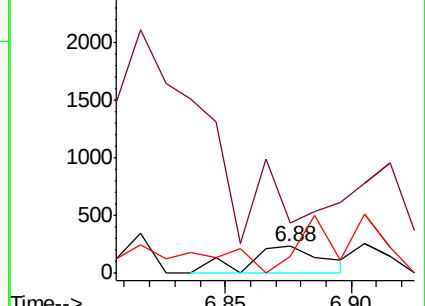
58 64.0 51.1 76.7



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: 44.876 ug/l

RT: 7.73 min Scan# 730

Delta R.T. 0.01 min

Lab File: VF062775.D

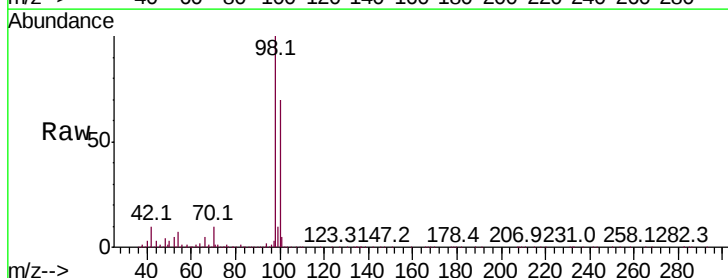
Acq: 29 May 2019 11:38

Tgt Ion: 98 Resp: 1024536

Ion Ratio Lower Upper

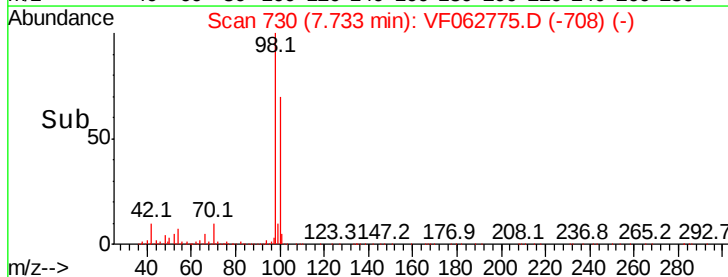
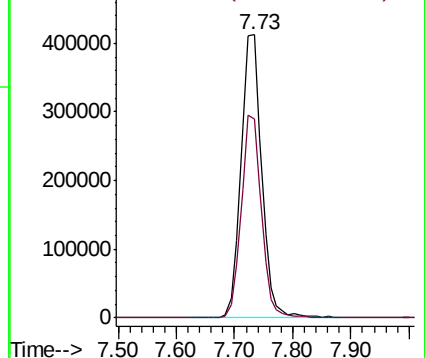
98 100

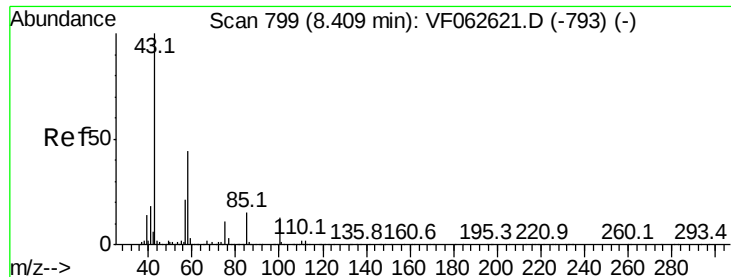
100 70.2 56.2 84.2



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: 2.148 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF062775.D

Acq: 29 May 2019 11:38

Instrument :

MSVOA_F

ClientSampleId :

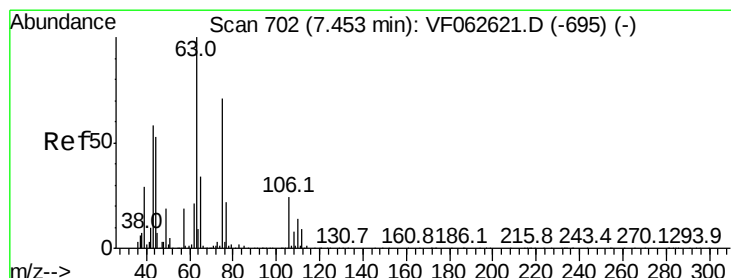
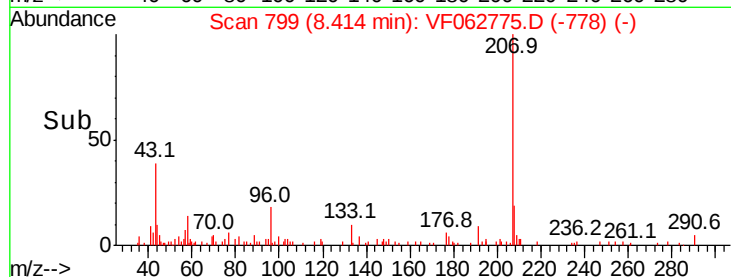
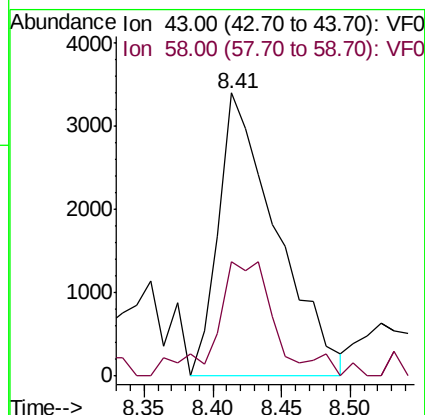
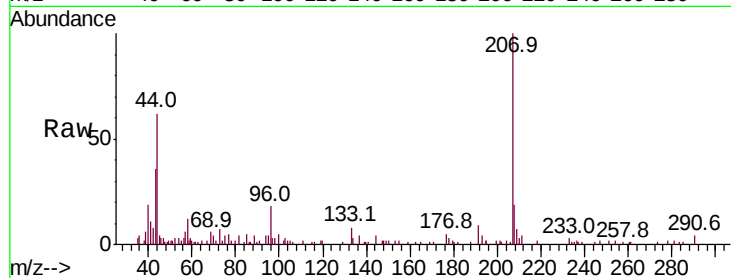
VF0529SBL01

Tot Ion: 43 Resp: 9946

Ion Ratio Lower Upper

43 100

58 40.2 34.9 52.3



#58

2-Chloroethyl Vinyl ether

Concen: 1.603 ug/l

RT: 7.47 min Scan# 703

Delta R.T. 0.01 min

Lab File: VF062775.D

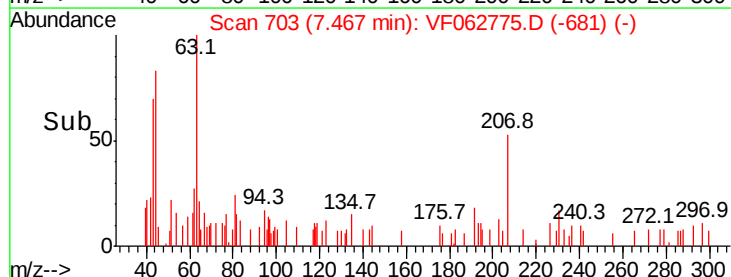
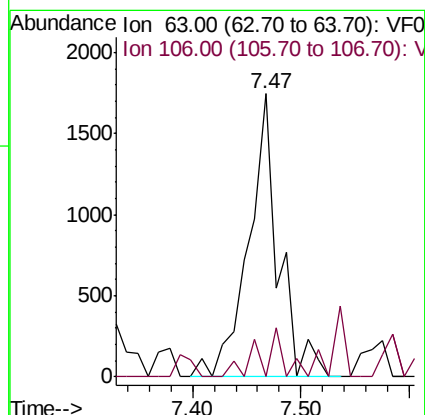
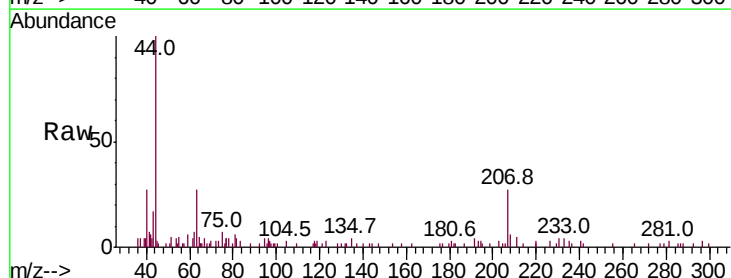
Acq: 29 May 2019 11:38

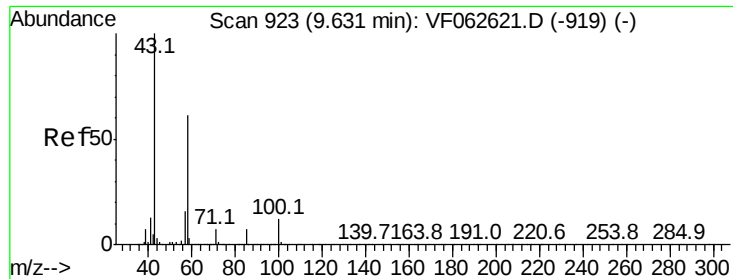
Tgt Ion: 63 Resp: 3367

Ion Ratio Lower Upper

63 100

106 0.0 19.1 28.7#

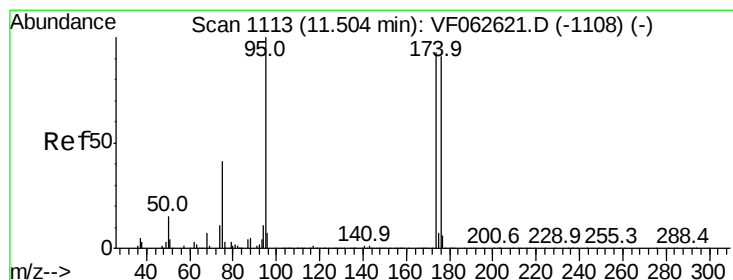
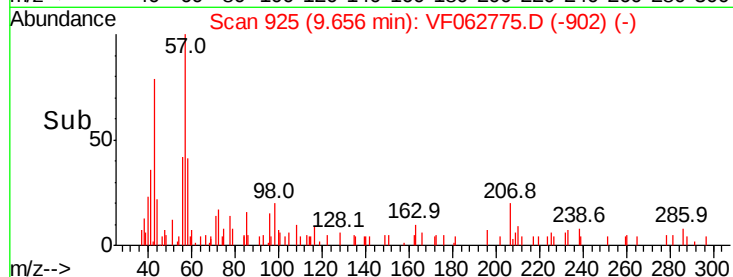
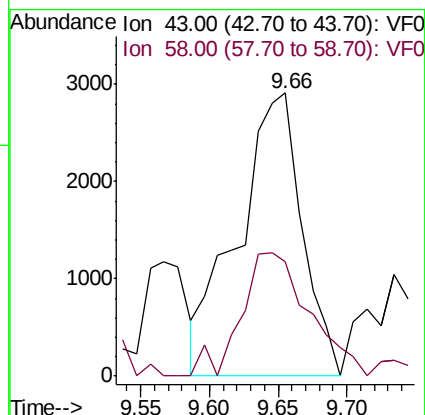
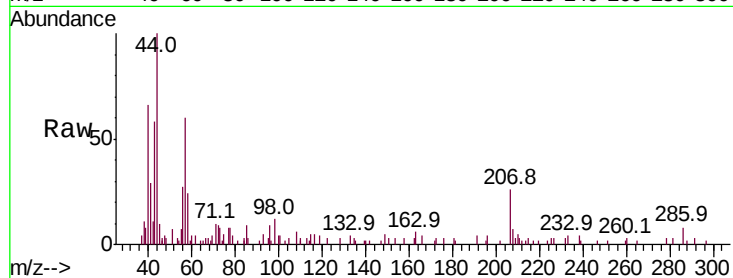




#59
2-Hexanone
Concen: Below Cal
RT: 9.66 min Scan# 925
Delta R.T. 0.02 min
Lab File: VF062775.D
Acq: 29 May 2019 11:38

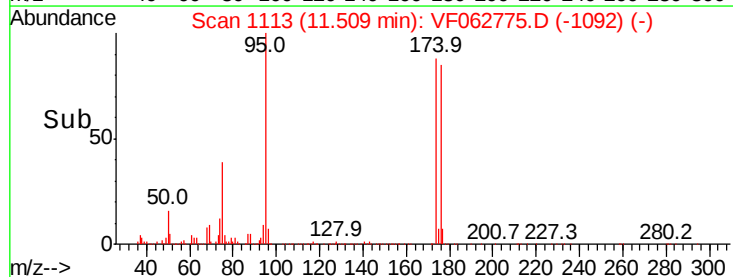
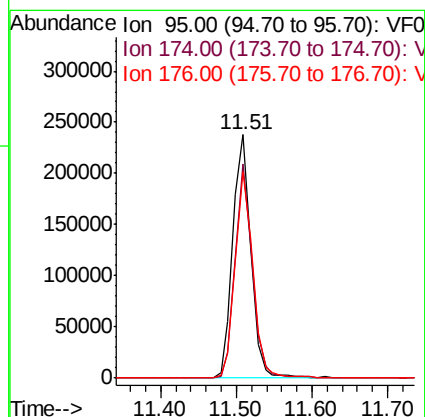
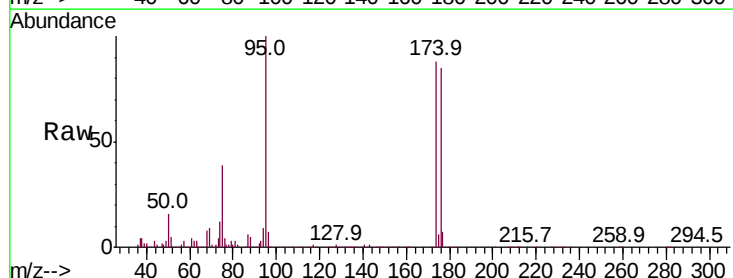
Instrument :
MSVOA_F
ClientSampleId :
VF0529SBL01

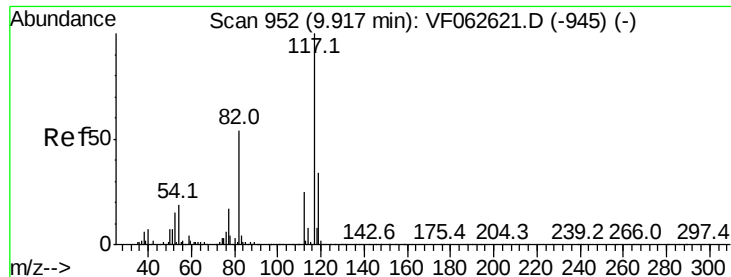
Tot Ion: 43 Resp: 9462
Ion Ratio Lower Upper
43 100
58 40.6 28.1 84.4



#62
4-Bromofluorobenzene
Concen: 45.269 ug/l
RT: 11.51 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VF062775.D
Acq: 29 May 2019 11:38

Tgt Ion: 95 Resp: 391976
Ion Ratio Lower Upper
95 100
174 88.2 0.0 185.6
176 84.7 0.0 182.4

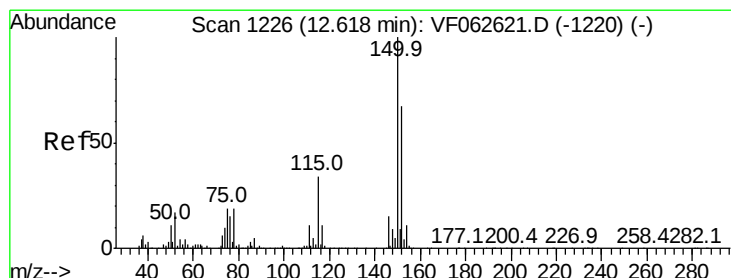
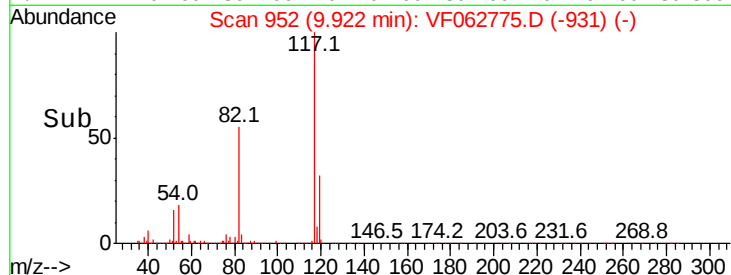
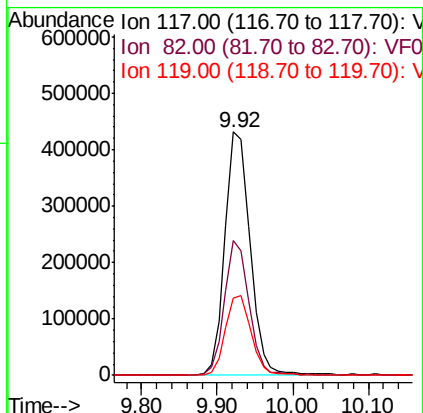
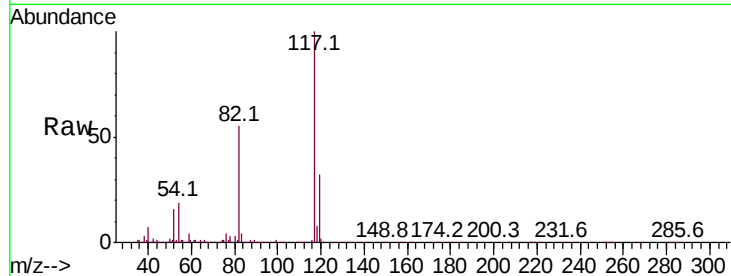




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF062775.D
Acq: 29 May 2019 11:38

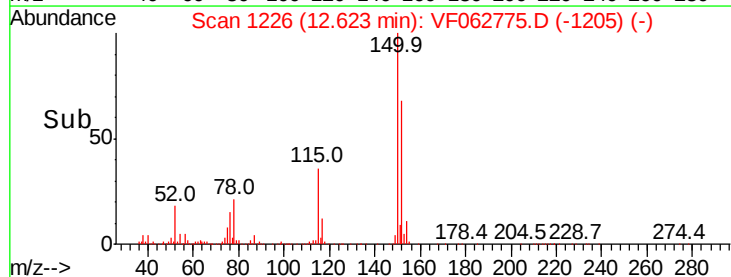
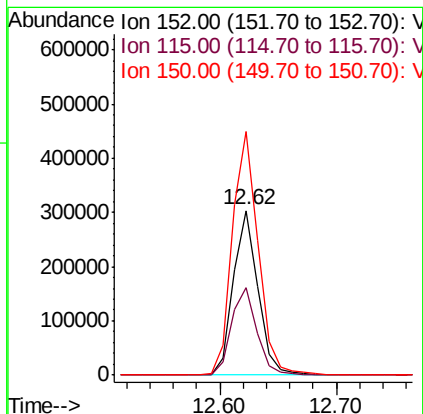
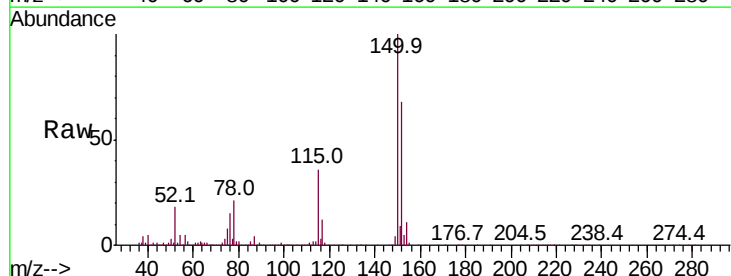
Instrument :
MSVOA_F
ClientSampleId :
VF0529SBL01

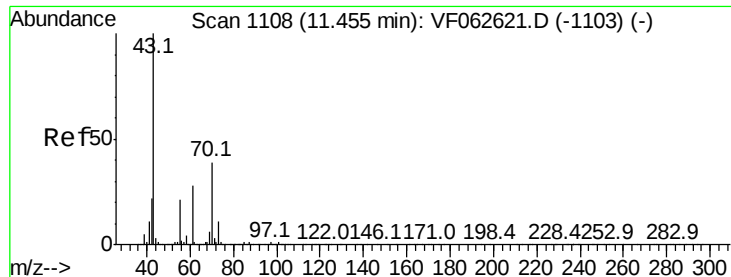
Tot Ion:117 Resp: 1002920
Ion Ratio Lower Upper
117 100
82 55.3 43.3 64.9
119 31.7 27.4 41.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1226
Delta R.T. 0.00 min
Lab File: VF062775.D
Acq: 29 May 2019 11:38

Tgt Ion:152 Resp: 448248
Ion Ratio Lower Upper
152 100
115 52.9 25.2 75.6
150 147.9 0.0 306.2





#74

N-amvl acetate

Concen: Below Cal

RT: 11.45 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VF062775.D

Acq: 29 May 2019 11:38

Instrument :

MSVOA_F

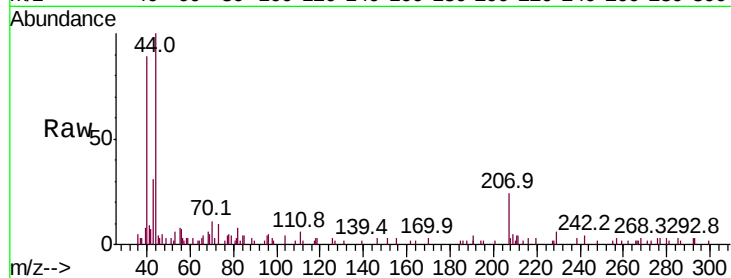
ClientSampleId :

VF0529SBL01

Tot Ion: 43 Resp: 5770

Ion Ratio Lower Upper

43	100		
70	35.9	30.9	46.3
55	24.6	17.0	25.4
61	9.6	22.6	34.0

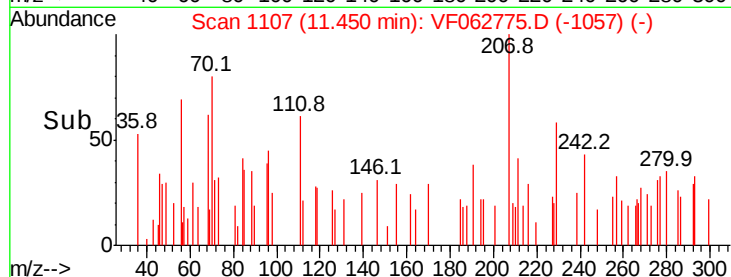


Abundance Ion 43.00 (42.70 to 43.70): VF0

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



Time-->