

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF052419\
 Data File : VF062748.D
 Acq On : 24 May 2019 15:38
 Operator : FY/SY
 Sample : K3048-01
 Misc : 6.23g/5mL/MSVOA F/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SUP-2C-G-2-052319

Quant Time: May 24 23:05:46 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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	706382	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1173151	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	856420	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	311695	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.04	65	232968	46.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.34%	
35) Dibromofluoromethane	4.32	113	430411	47.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.90%	
50) Toluene-d8	7.72	98	909803	42.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.90%	
62) 4-Bromofluorobenzene	11.49	95	294661	36.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	72.50%	

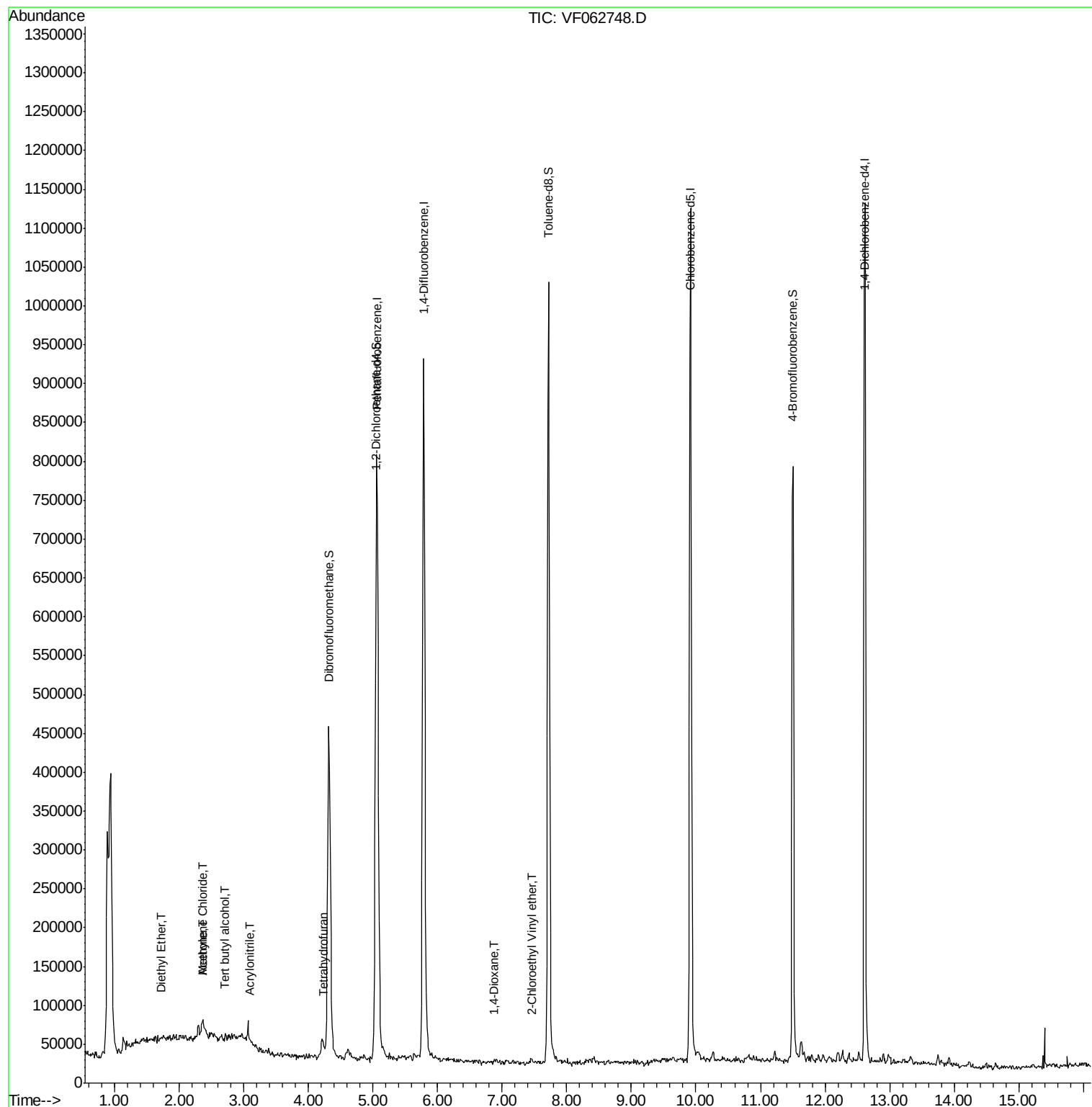
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	1.72	74	2388	1.102	ug/l	63
11) Tert butyl alcohol	2.72	59	700	2.124	ug/l #	1
15) Acrylonitrile	3.11	53	1258	1.353	ug/l	87
16) Acetone	2.36	43	4753	3.670	ug/l	90
20) Methylene Chloride	2.36	84	21806	3.359	ug/l #	91
29) Tetrahydrofuran	4.23	42	1423	1.271	ug/l	89
49) 1,4-Dioxane	6.88	88	469	11.017	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.46	63	2038	1.033	ug/l	94
59) 2-Hexanone	9.64	43	5965	Below Cal		71
74) N-amyl acetate	11.46	43	4741	Below Cal #		88

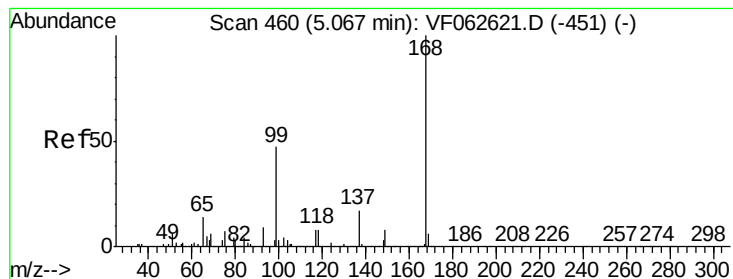
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VF062748.D

Acq: 24 May 2019 15:38

Instrument :

MSVOA_F

ClientSampleId :

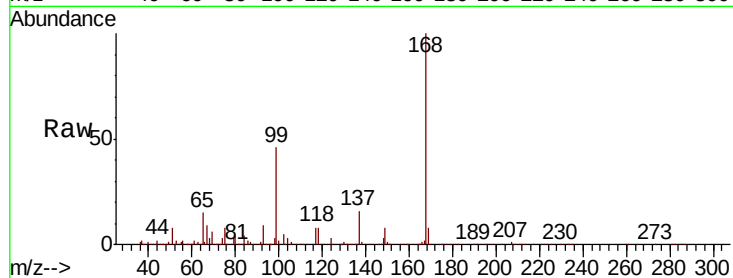
SUP-2C-G-2-052319

Tot Ion:168 Resp: 706382

Ion Ratio Lower Upper

168 100

99 46.5 37.8 56.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.07

250000

200000

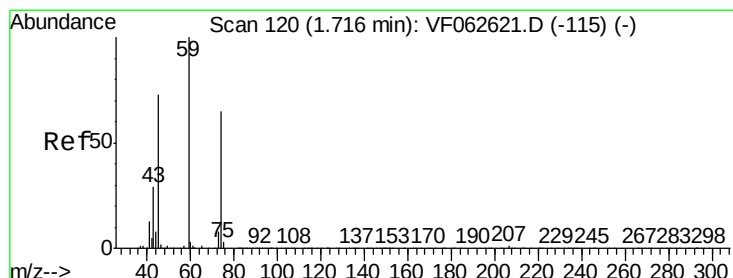
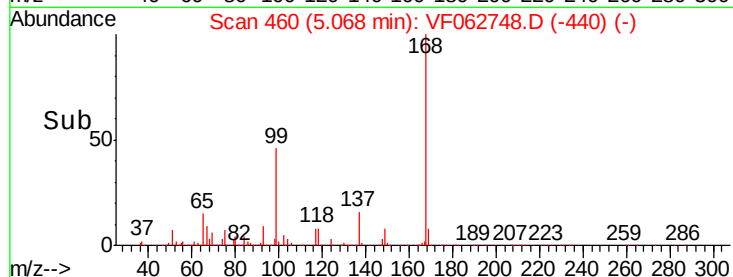
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.102 ug/l

RT: 1.72 min Scan# 120

Delta R.T. 0.00 min

Lab File: VF062748.D

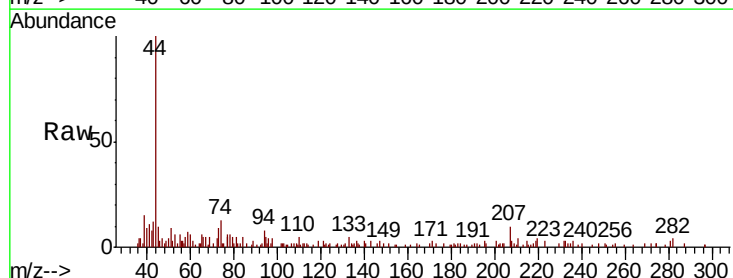
Acq: 24 May 2019 15:38

Tgt Ion: 74 Resp: 2388

Ion Ratio Lower Upper

74 100

45 74.5 57.0 170.8



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

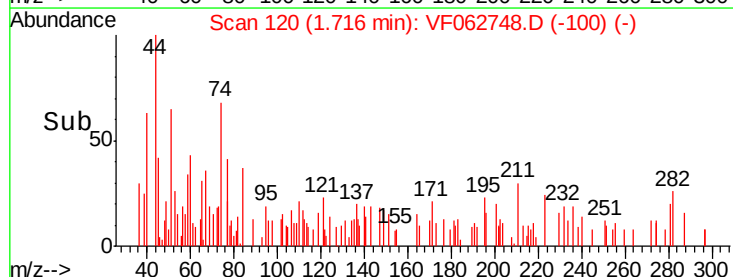
1500

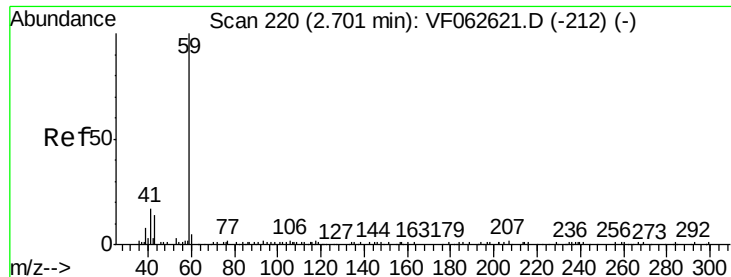
1000

500

0

Time-->

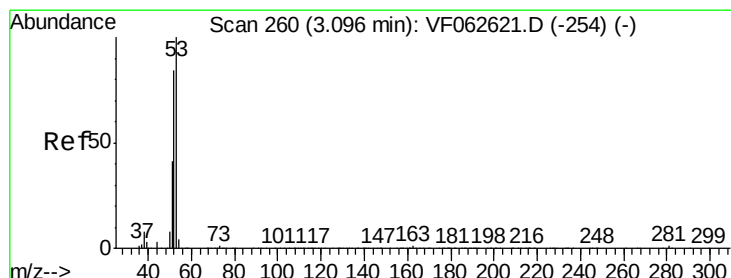
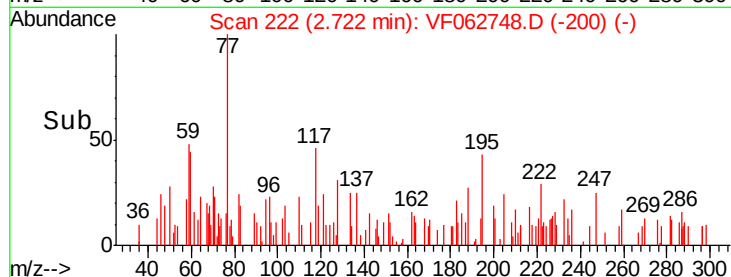
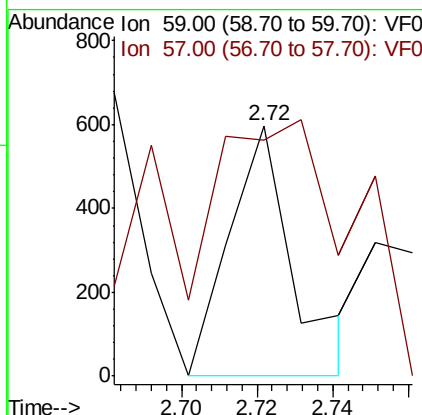
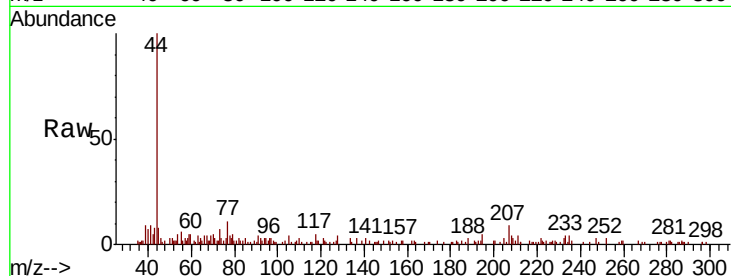




#11
Tert butyl alcohol
Concen: 2.124 ug/l
RT: 2.72 min Scan# 222
Delta R.T. 0.02 min
Lab File: VF062748.D
Acq: 24 May 2019 15:38

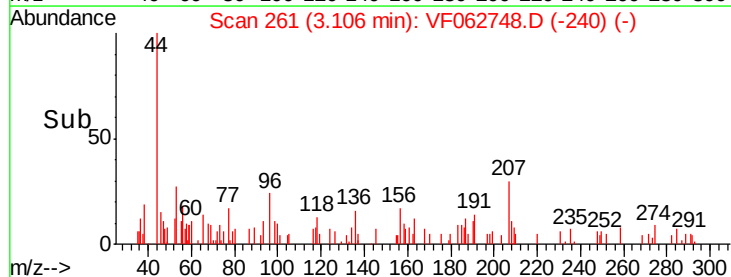
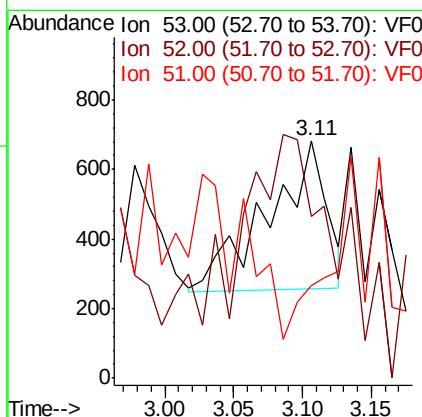
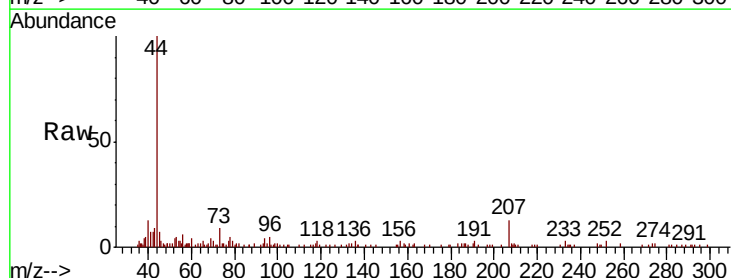
Instrument :
MSVOA_F
ClientSampleId :
SUP-2C-G-2-052319

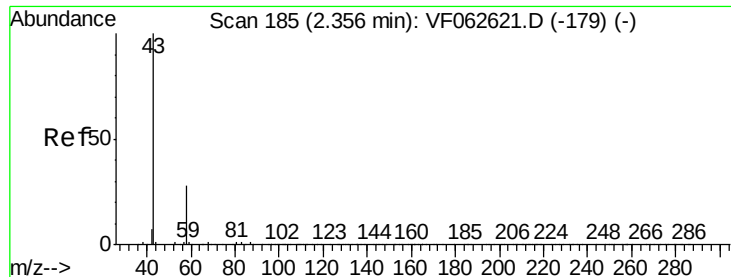
Tot Ion: 59 Resp: 700
Ion Ratio Lower Upper
59 100
57 94.1 9.3 13.9#



#15
Acrylonitrile
Concen: 1.353 ug/l
RT: 3.11 min Scan# 261
Delta R.T. 0.01 min
Lab File: VF062748.D
Acq: 24 May 2019 15:38

Tgt Ion: 53 Resp: 1258
Ion Ratio Lower Upper
53 100
52 68.2 67.3 100.9
51 39.0 33.0 49.6





#16

Acetone

Concen: 3.670 ug/l

RT: 2.36 min Scan# 185

Delta R.T. 0.00 min

Lab File: VF062748.D

Acq: 24 May 2019 15:38

Instrument :

MSVOA_F

ClientSampleId :

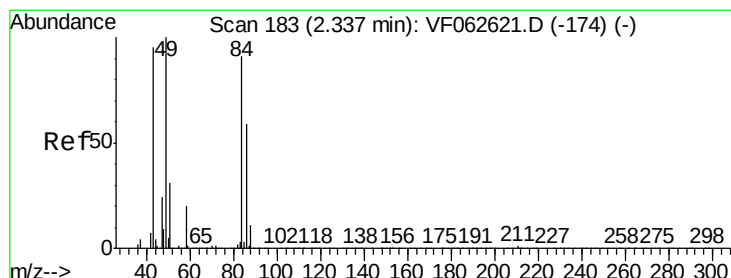
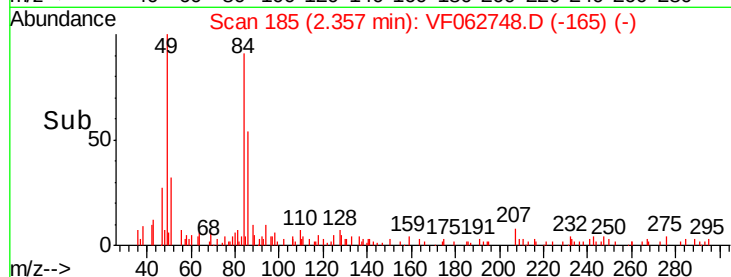
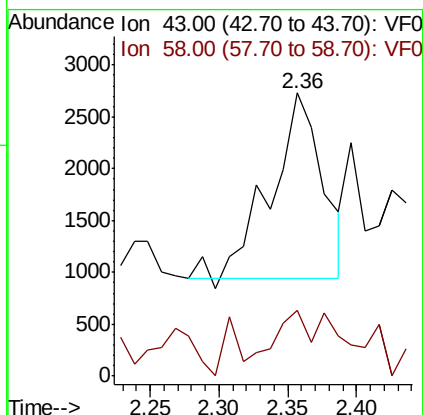
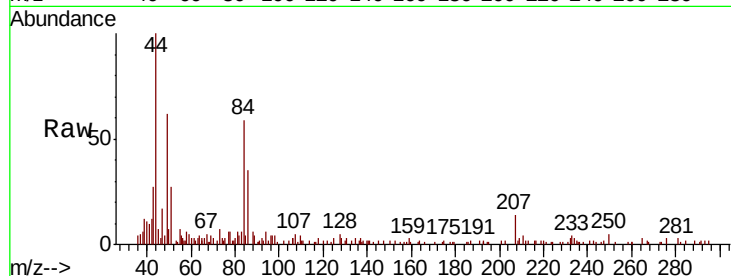
SUP-2C-G-2-052319

Tot Ion: 43 Resp: 4753

Ion Ratio Lower Upper

43 100

58 23.1 22.6 33.8



#20

Methylene Chloride

Concen: 3.359 ug/l

RT: 2.36 min Scan# 185

Delta R.T. 0.02 min

Lab File: VF062748.D

Acq: 24 May 2019 15:38

Tgt Ion: 84 Resp: 21806

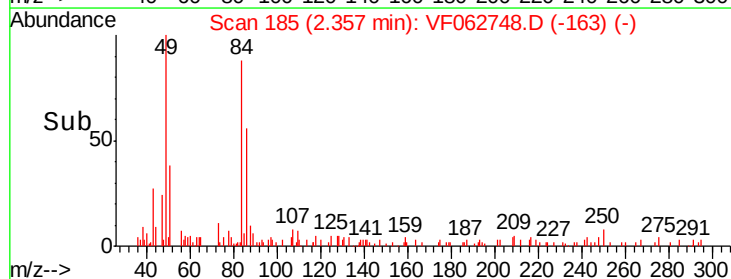
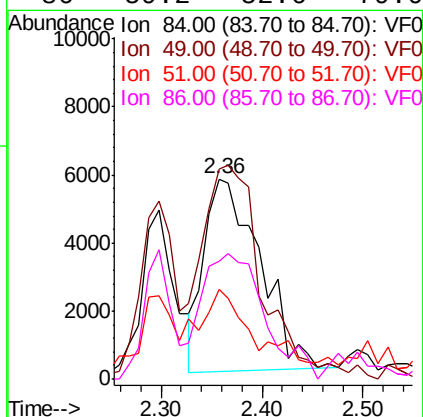
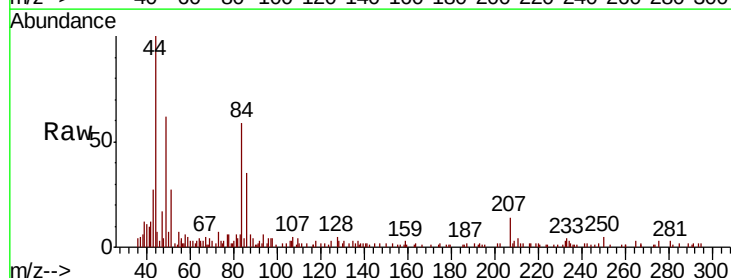
Ion Ratio Lower Upper

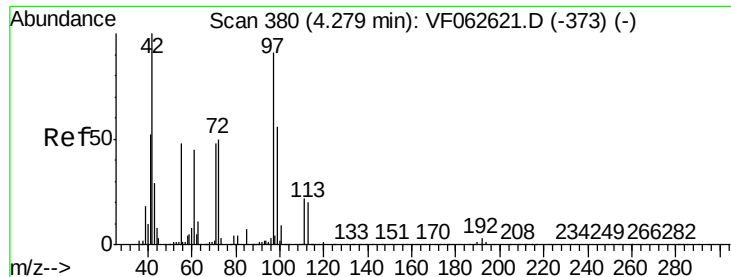
84 100

49 105.0 89.8 134.8

51 45.1 28.4 42.6#

86 59.2 52.6 79.0





#29

Tetrahydrofuran

Concen: 1.271 ug/l

RT: 4.23 min Scan# 375

Delta R.T. -0.05 min

Lab File: VF062748.D

Acq: 24 May 2019 15:38

Instrument :

MSVOA_F

ClientSampleId :

SUP-2C-G-2-052319

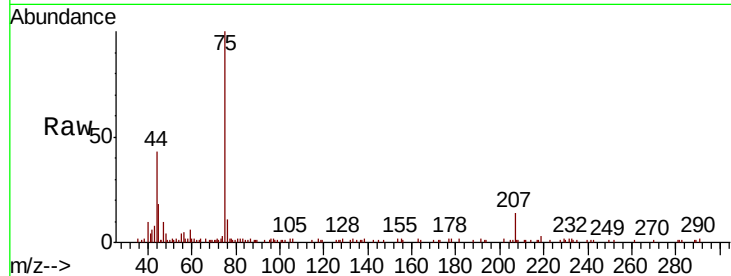
Tot Ion: 42 Resp: 1423

Ion Ratio Lower Upper

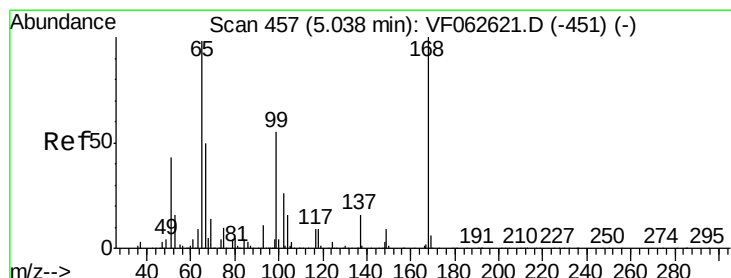
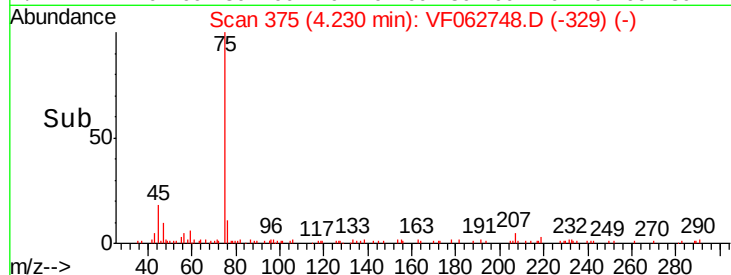
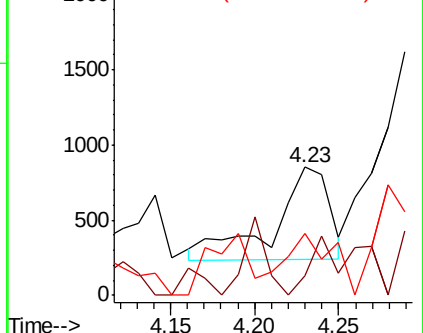
42 100

72 54.5 38.2 57.2

71 52.7 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: 46.672 ug/l

RT: 5.04 min Scan# 457

Delta R.T. 0.00 min

Lab File: VF062748.D

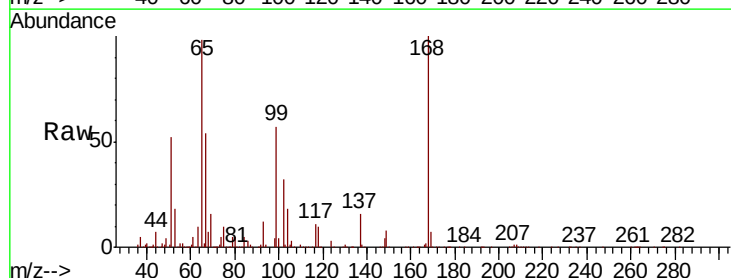
Acq: 24 May 2019 15:38

Tgt Ion: 65 Resp: 232968

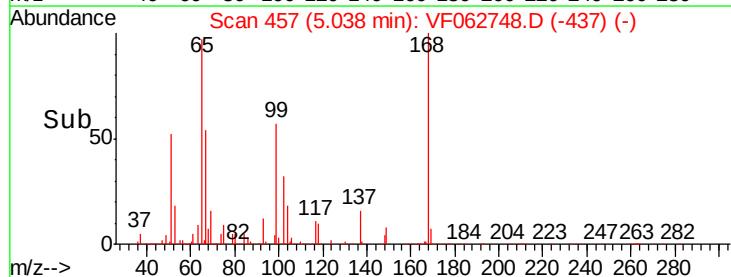
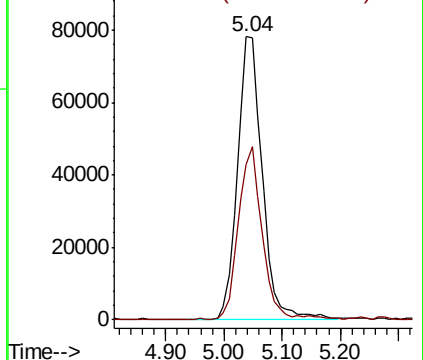
Ion Ratio Lower Upper

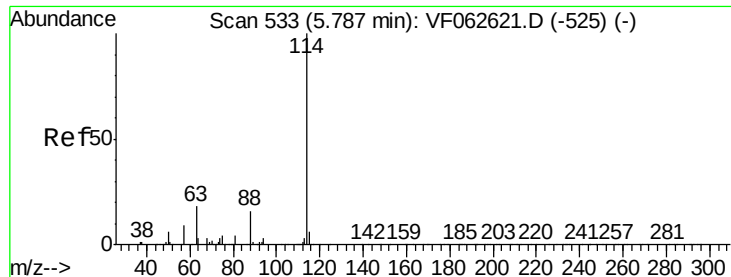
65 100

67 54.9 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: 5.79 min Scan# 533

Delta R.T. 0.00 min

Lab File: VF062748.D

Acq: 24 May 2019 15:38

Instrument :

MSVOA_F

ClientSampleId :

SUP-2C-G-2-052319

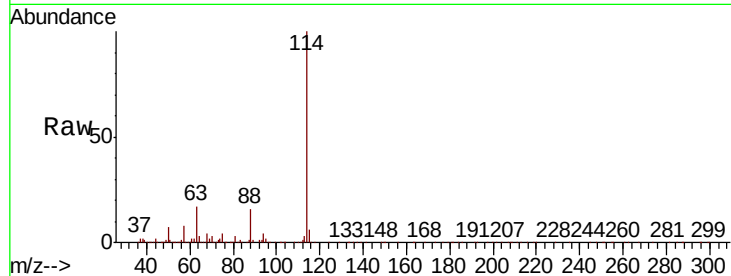
Tot Ion:114 Resp: 1173151

Ion Ratio Lower Upper

114 100

63 16.6 0.0 35.4

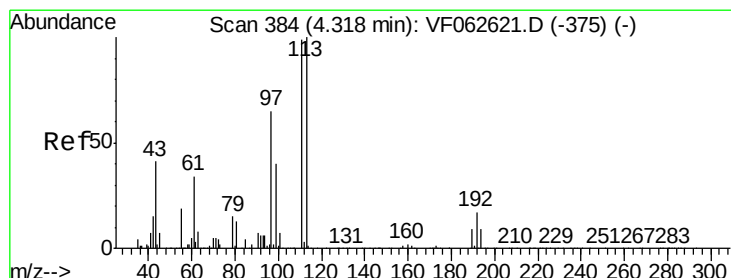
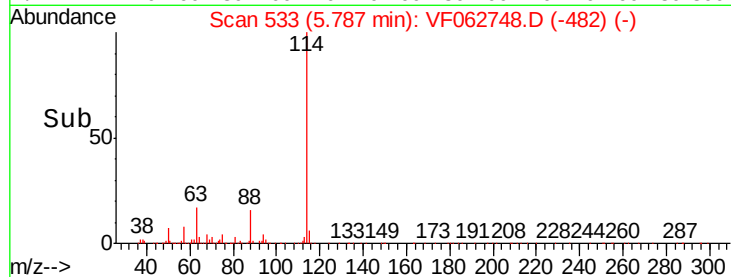
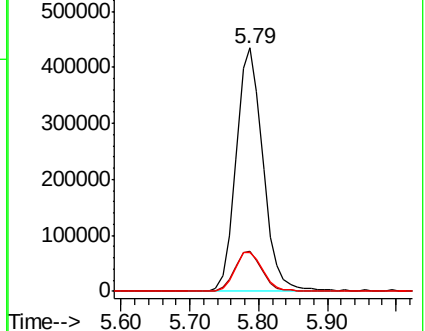
88 16.1 0.0 32.4



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: 47.946 ug/l

RT: 4.32 min Scan# 384

Delta R.T. 0.00 min

Lab File: VF062748.D

Acq: 24 May 2019 15:38

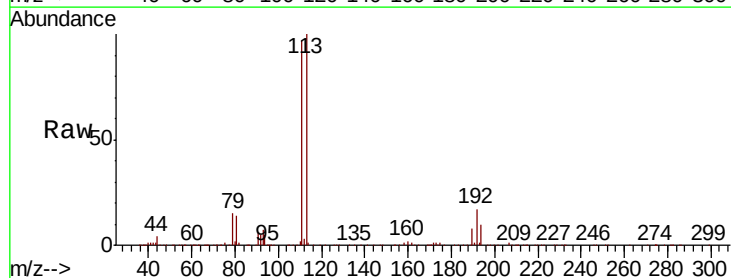
Tgt Ion:113 Resp: 430411

Ion Ratio Lower Upper

113 100

111 97.0 79.4 119.2

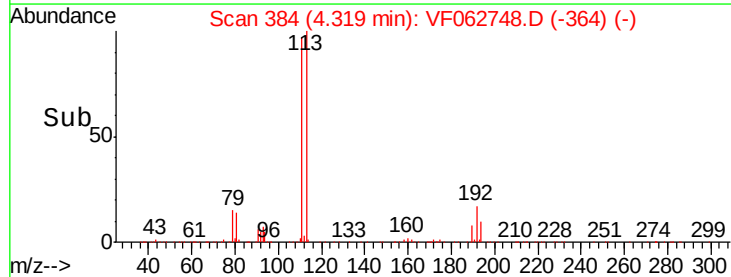
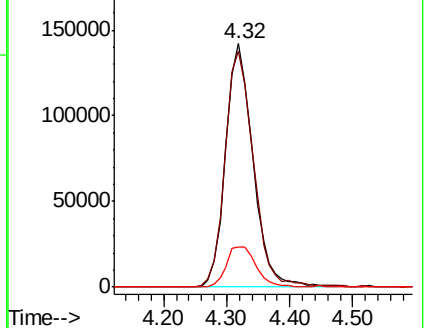
192 16.6 13.4 20.2

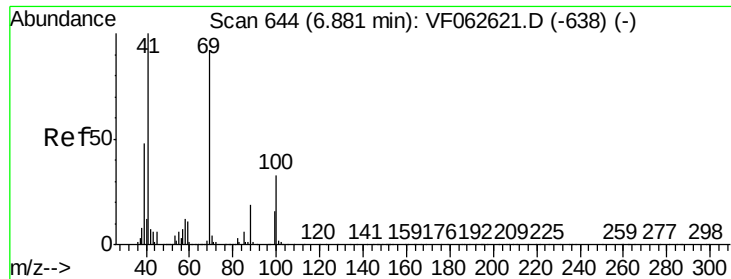


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#49

1,4-Dioxane

Concen: 11.017 ug/l

RT: 6.88 min Scan# 644

Delta R.T. 0.00 min

Lab File: VF062748.D

Acq: 24 May 2019 15:38

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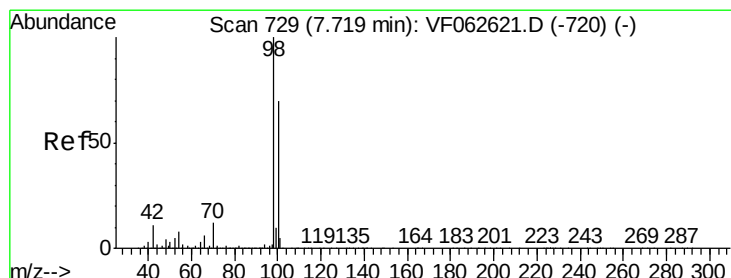
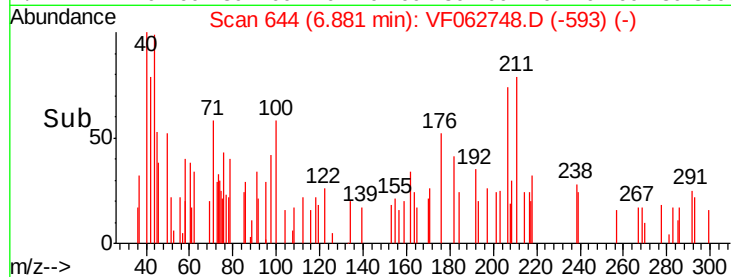
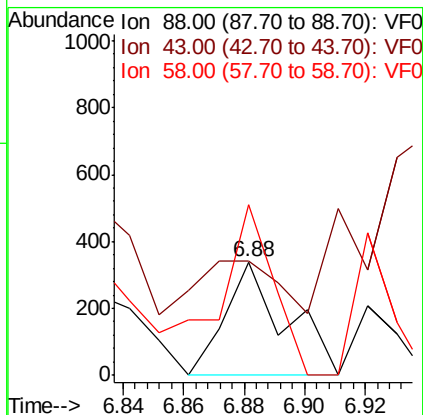
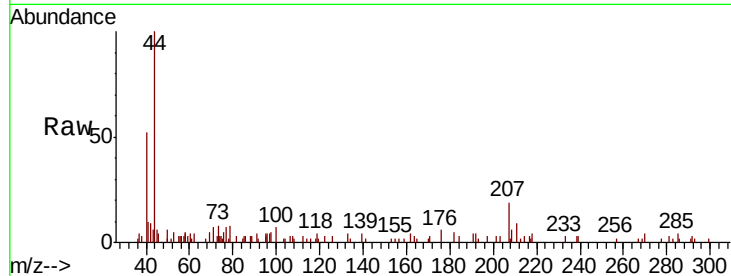
Tot Ion: 88 Resp: 469

Ion Ratio Lower Upper

88 100

43 100.3 30.0 45.0#

58 150.7 51.1 76.7#



#50

Toluene-d8

Concen: 42.448 ug/l

RT: 7.72 min Scan# 729

Delta R.T. 0.00 min

Lab File: VF062748.D

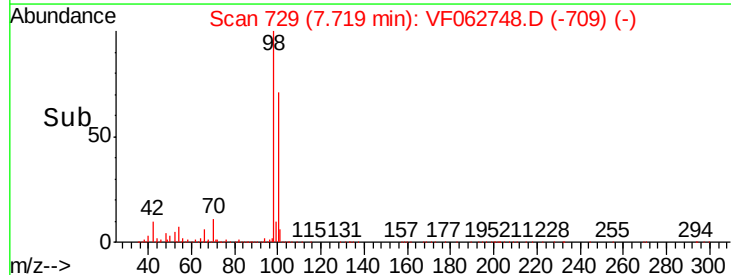
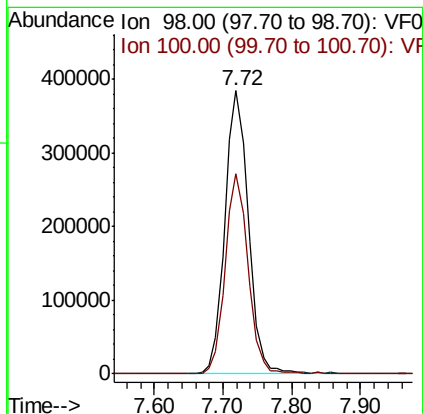
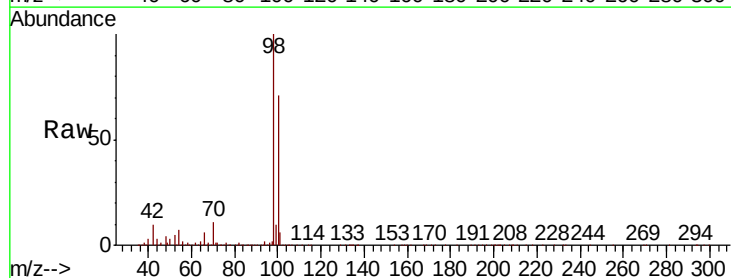
Acq: 24 May 2019 15:38

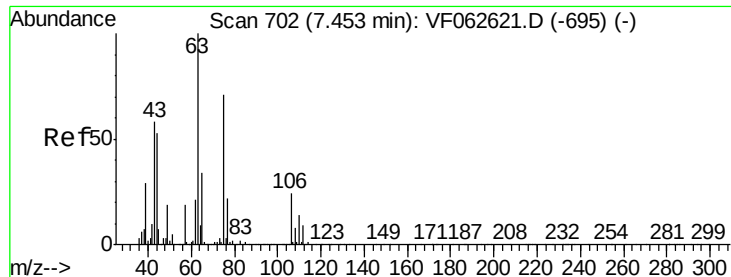
Tgt Ion: 98 Resp: 909803

Ion Ratio Lower Upper

98 100

100 70.7 56.2 84.2

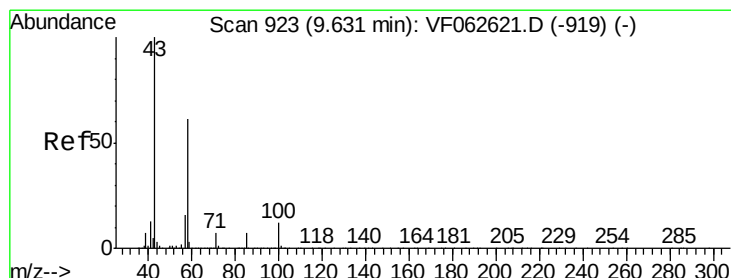
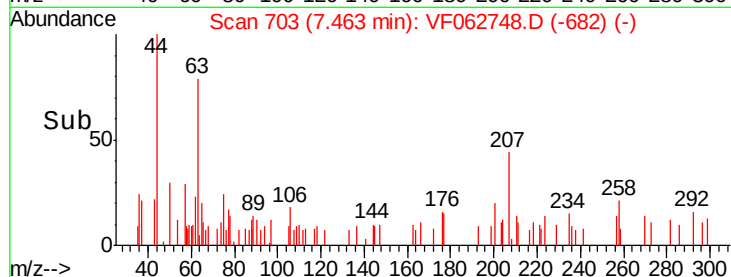
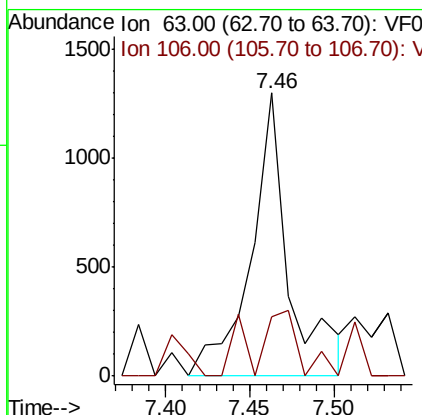
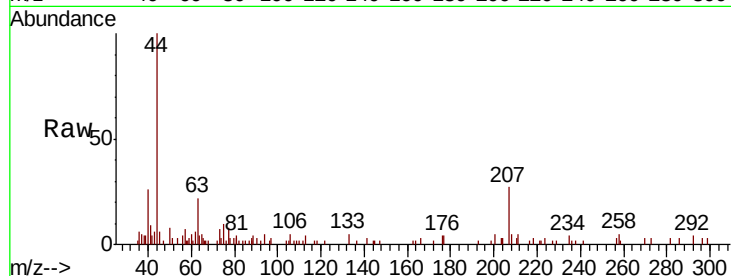




#58
 2-Chloroethyl Vinyl ether
 Concen: 1.033 ug/l
 RT: 7.46 min Scan# 703
 Delta R.T. 0.01 min
 Lab File: VF062748.D
 Acq: 24 May 2019 15:38

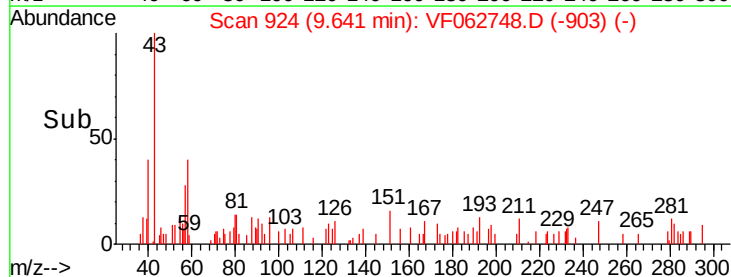
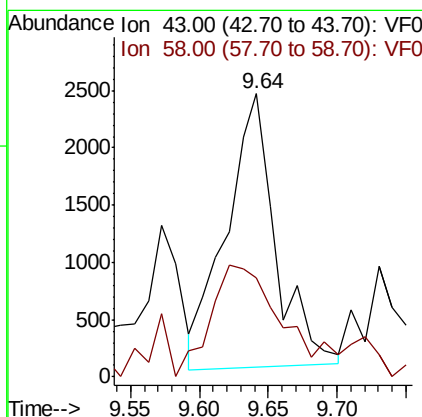
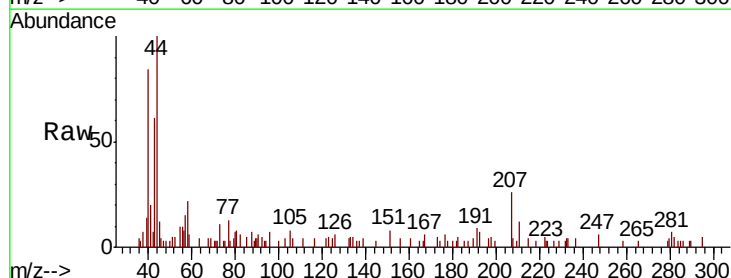
Instrument :
 MSVOA_F
 ClientSampleId :
 SUP-2C-G-2-052319

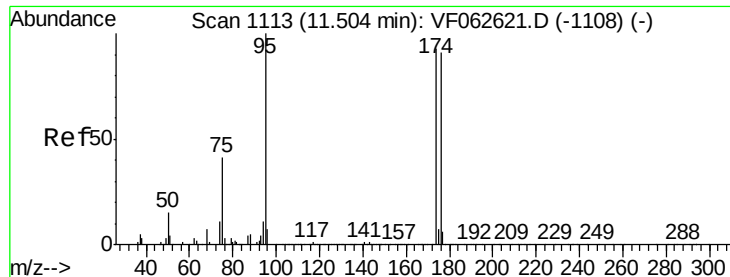
Tot Ion: 63 Resp: 2038
 Ion Ratio Lower Upper
 63 100
 106 21.1 19.1 28.7



#59
 2-Hexanone
 Concen: Below Cal
 RT: 9.64 min Scan# 924
 Delta R.T. 0.01 min
 Lab File: VF062748.D
 Acq: 24 May 2019 15:38

Tgt Ion: 43 Resp: 5965
 Ion Ratio Lower Upper
 43 100
 58 35.1 28.1 84.4

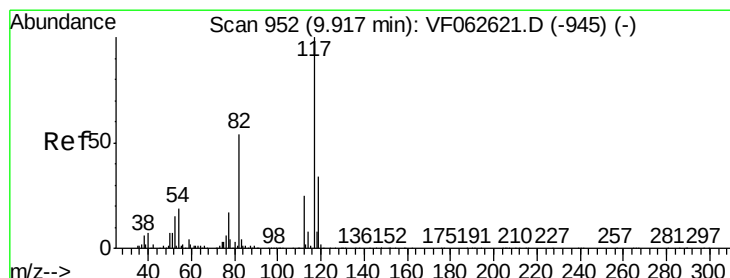
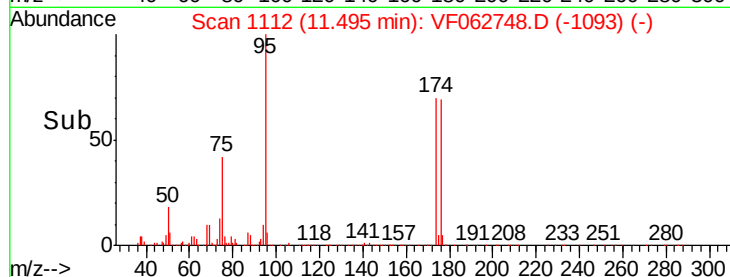
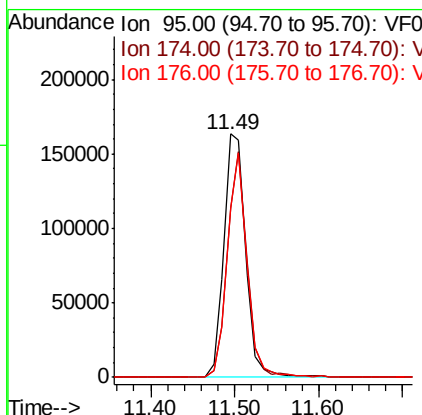
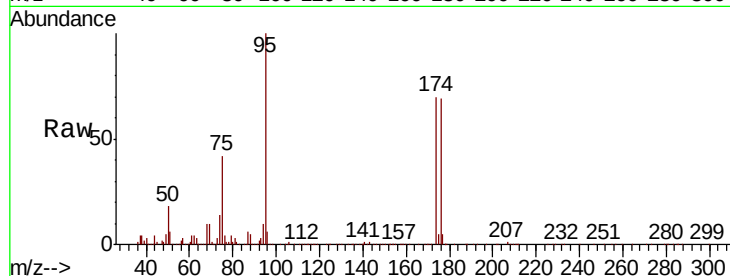




#62
4-Bromofluorobenzene
Concen: 36.248 ug/l
RT: 11.49 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VF062748.D
Acq: 24 May 2019 15:38

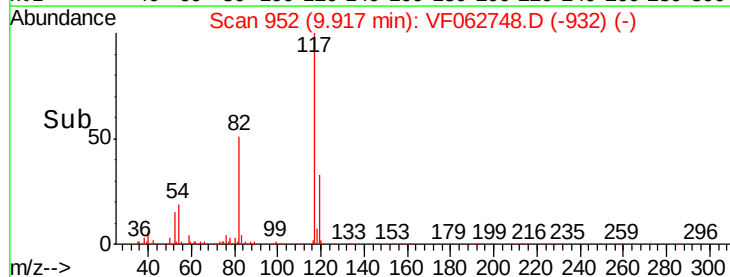
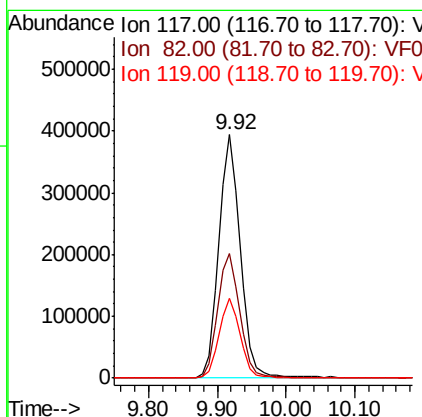
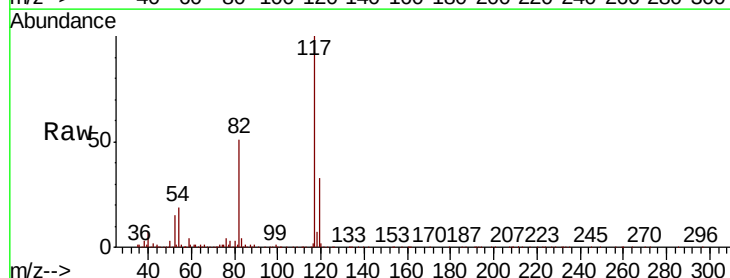
Instrument :
MSVOA_F
ClientSampleId :
SUP-2C-G-2-052319

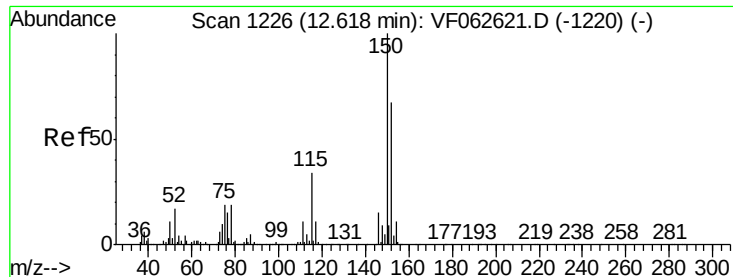
Tot Ion	Ratio	Lower	Upper
95	100		
174	69.7	0.0	185.6
176	69.5	0.0	182.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF062748.D
Acq: 24 May 2019 15:38

Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.2	43.3	64.9
119	32.6	27.4	41.0



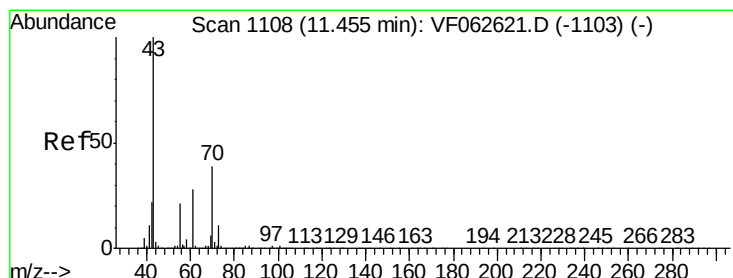
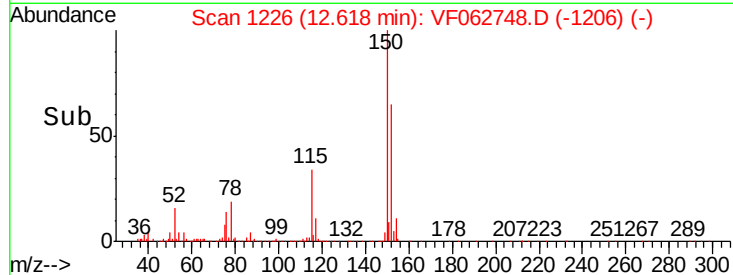
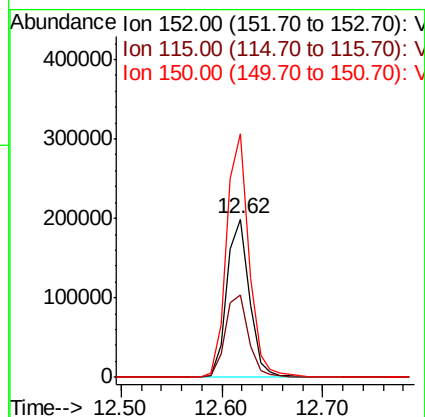
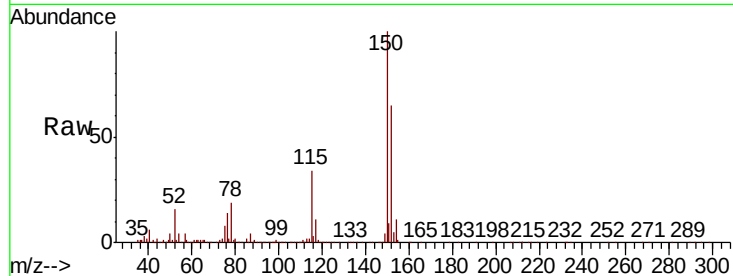


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1226
Delta R.T. 0.00 min
Lab File: VF062748.D
Acq: 24 May 2019 15:38

Instrument :
MSVOA_F
ClientSampleId :
SUP-2C-G-2-052319

Tot Ion	Ratio	Lower	Upper
152	100		
115	52.0	25.2	75.6
150	154.0	0.0	306.2



#74

N-amil acetate
Concen: Below Cal
RT: 11.46 min Scan# 1108
Delta R.T. 0.00 min
Lab File: VF062748.D
Acq: 24 May 2019 15:38

Tgt Ion	Ratio	Lower	Upper
43	100		
70	35.8	30.9	46.3
55	39.7	17.0	25.4#
61	29.6	22.6	34.0

