

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052119\
 Data File : VF062694.D
 Acq On : 21 May 2019 20:26
 Operator : FY/SY
 Sample : K2971-16RE
 Misc : 6.13g/5mL/MSVOA F/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: May 22 03:58:26 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	5.06	168	714170	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.78	114	1220639	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.91	117	862124	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.61	152	377626	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	189356	37.52	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	75.04%	
35) Dibromofluoromethane	4.31	113	352960	37.79	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	75.58%	
50) Toluene-d8	7.71	98	687801	30.84	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	61.68%	
62) 4-Bromofluorobenzene	11.49	95	243954	28.84	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	57.68%	

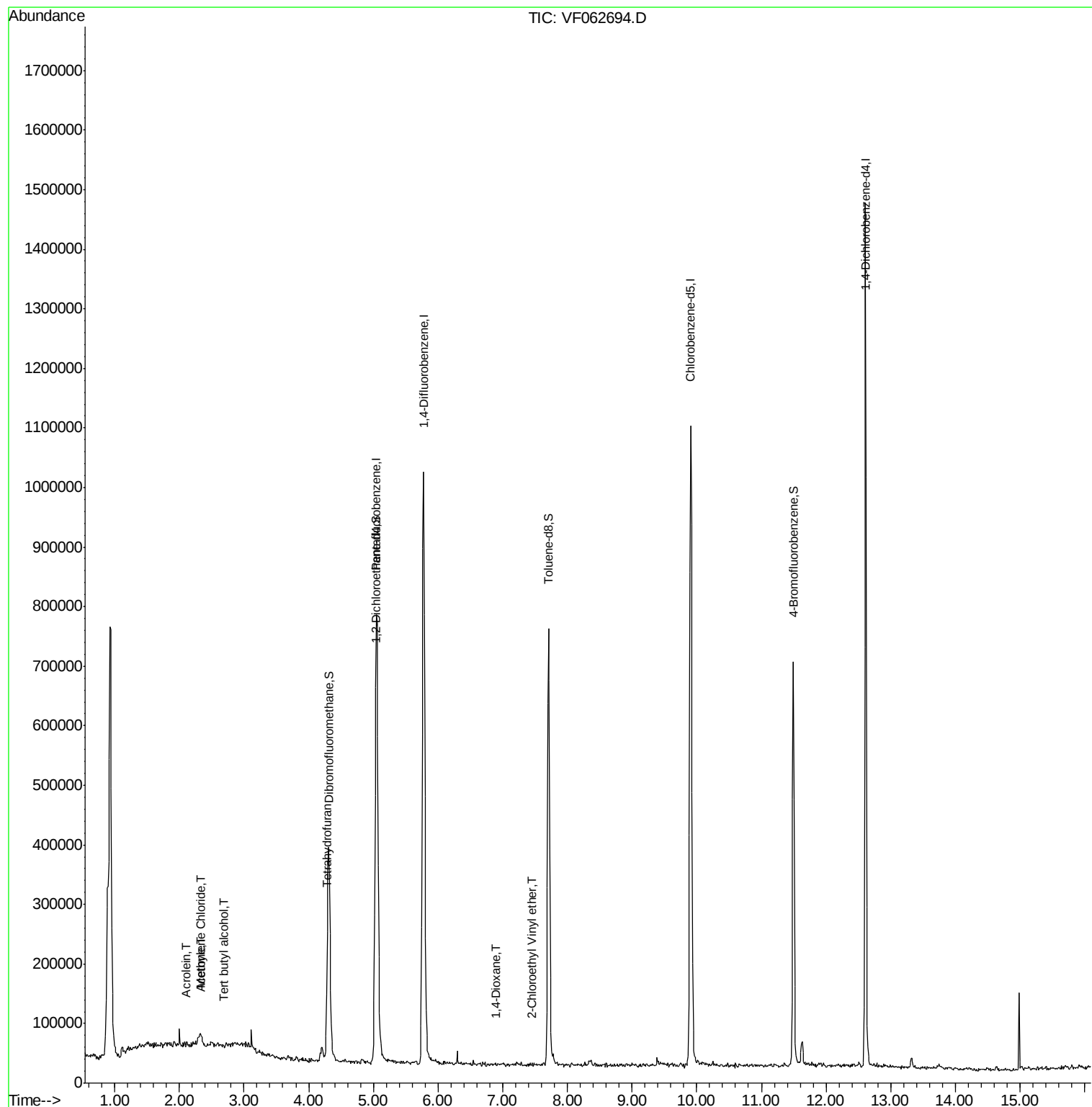
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.69	59	1003	3.010	ug/l #	1
13) Acrolein	2.12	56	1685	4.845	ug/l	84
16) Acetone	2.35	43	2352	1.796	ug/l	96
20) Methylene Chloride	2.32	84	22325	3.402	ug/l #	68
29) Tetrahydrofuran	4.28	42	2383	2.105	ug/l #	87
49) 1,4-Dioxane	6.88	88	144	3.251	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.45	63	2691	1.311	ug/l	96
59) 2-Hexanone	9.63	43	3126	Below Cal		81
74) N-amyl acetate	11.46	43	1798	Below Cal	#	72

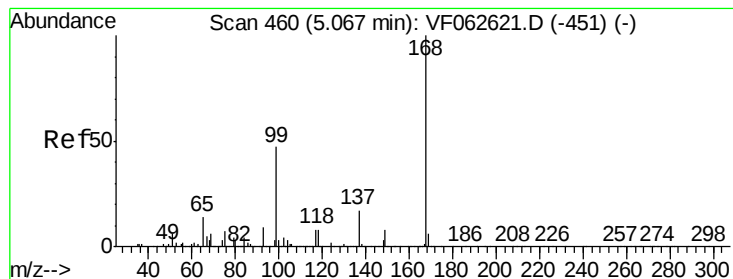
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.06 min Scan# 459

Delta R.T. -0.01 min

Lab File: VF062694.D

Acq: 21 May 2019 20:26

Instrument :

MSVOA_F

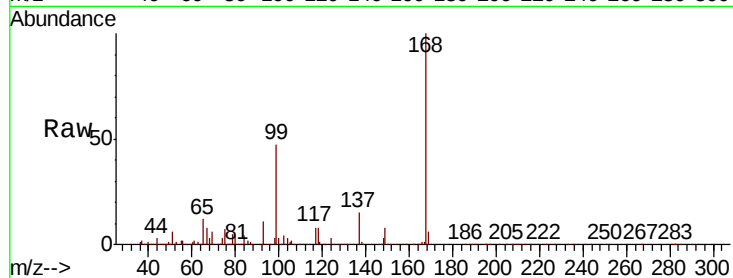
ClientSampleId :

Tot Ion:168 Resp: 714170

Ion Ratio Lower Upper

168 100

99 46.8 37.8 56.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.06

250000

200000

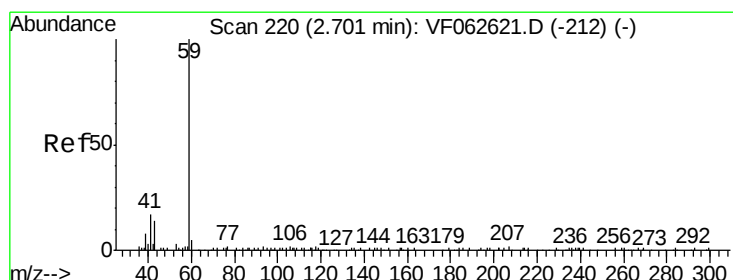
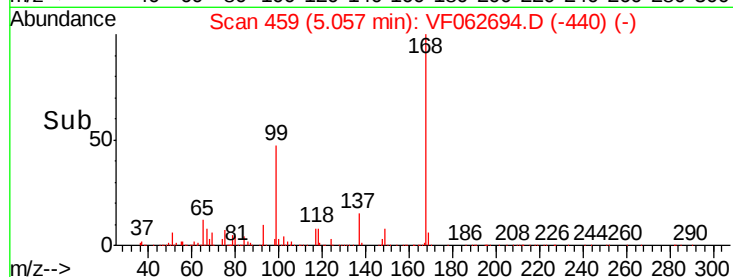
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 3.010 ug/l

RT: 2.69 min Scan# 219

Delta R.T. -0.01 min

Lab File: VF062694.D

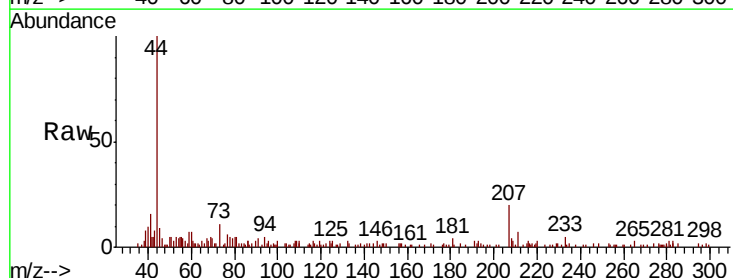
Acq: 21 May 2019 20:26

Tgt Ion: 59 Resp: 1003

Ion Ratio Lower Upper

59 100

57 51.9 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

800

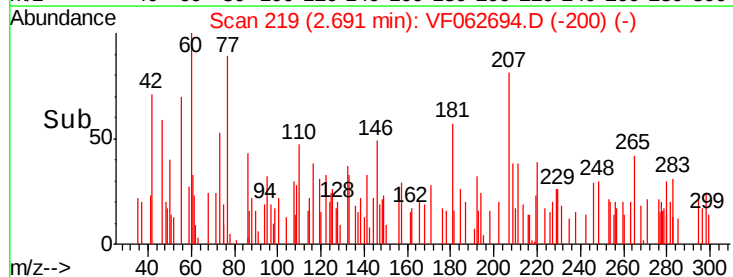
600

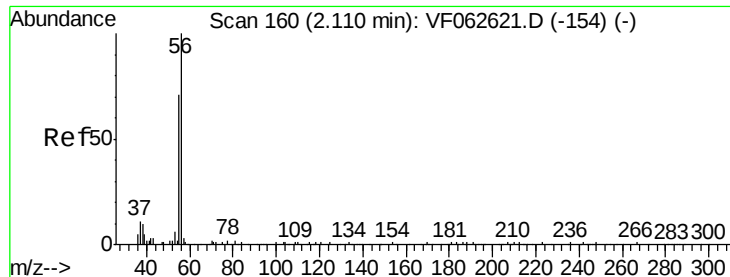
400

200

0

Time-->

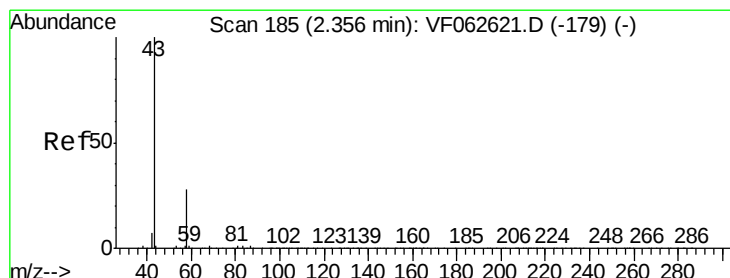
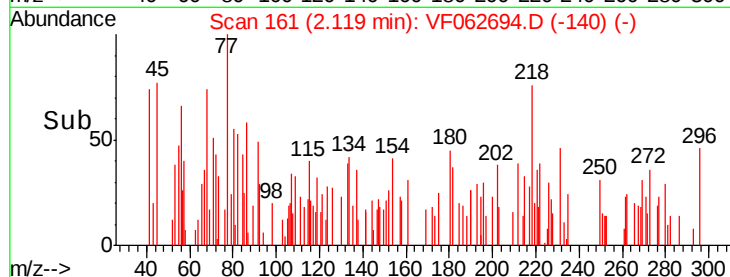
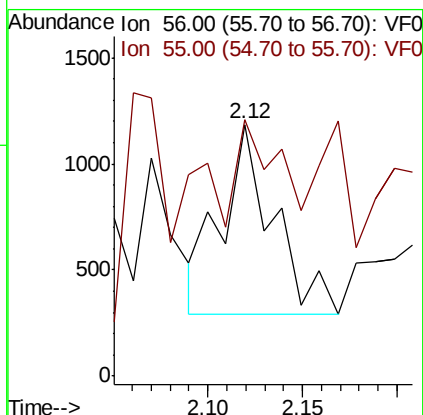
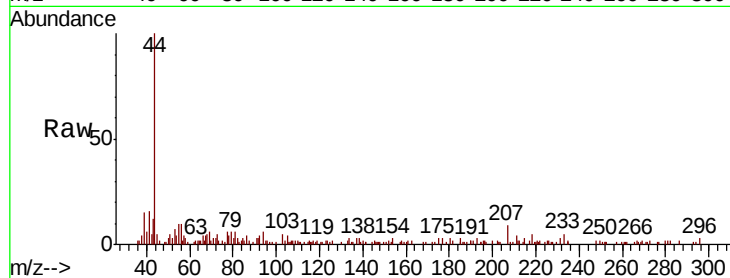




#13
Acrolein
Concen: 4.845 ug/l
RT: 2.12 min Scan# 161
Delta R.T. 0.01 min
Lab File: VF062694.D
Acq: 21 May 2019 20:26

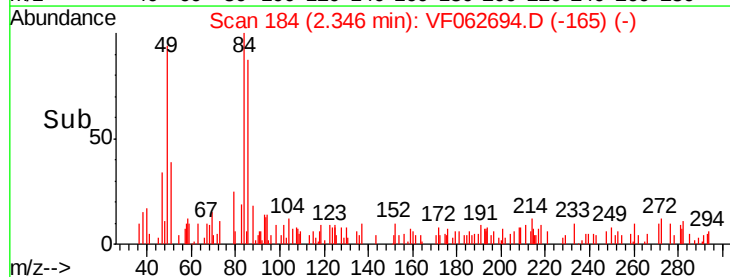
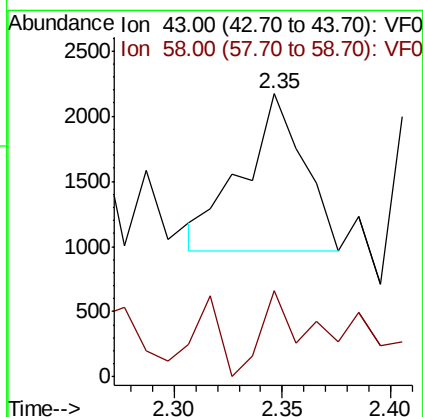
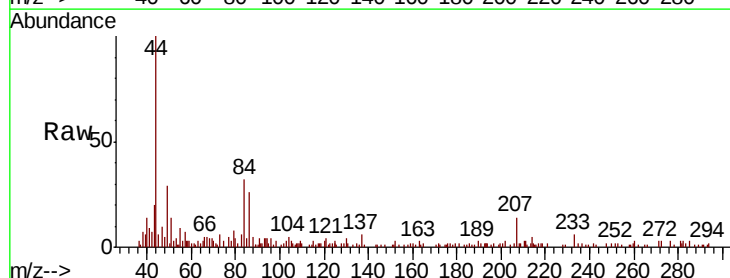
Instrument :
MSVOA_F
ClientSampleId :

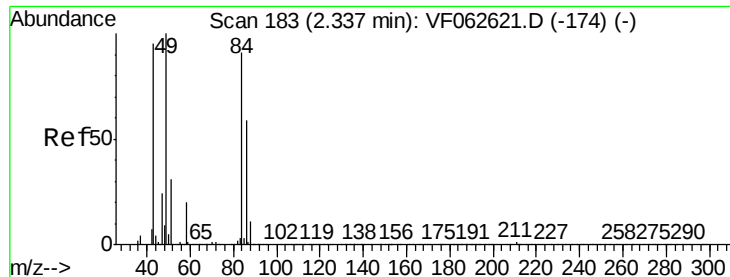
Tot Ion: 56 Resp: 1685
Ion Ratio Lower Upper
56 100
55 88.1 59.4 89.0



#16
Acetone
Concen: 1.796 ug/l
RT: 2.35 min Scan# 184
Delta R.T. -0.01 min
Lab File: VF062694.D
Acq: 21 May 2019 20:26

Tgt Ion: 43 Resp: 2352
Ion Ratio Lower Upper
43 100
58 30.5 22.6 33.8





#20

Methvlene Chloride

Concen: 3.402 ug/l

RT: 2.32 min Scan# 181

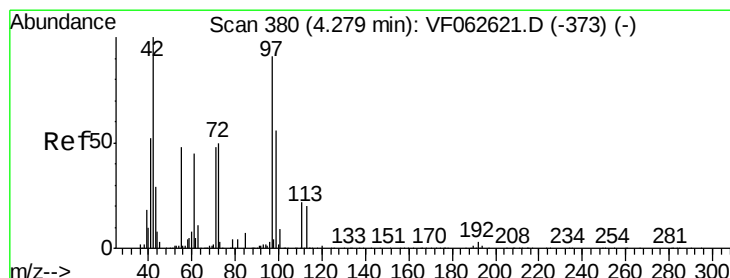
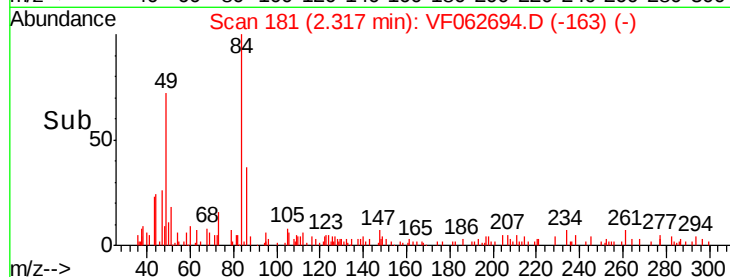
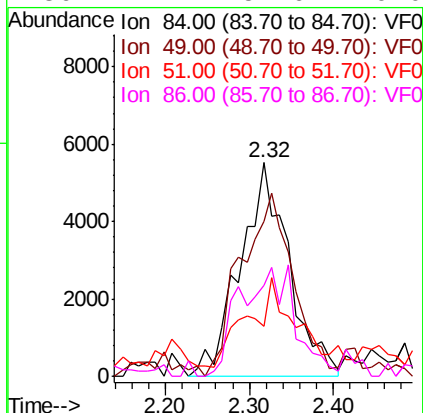
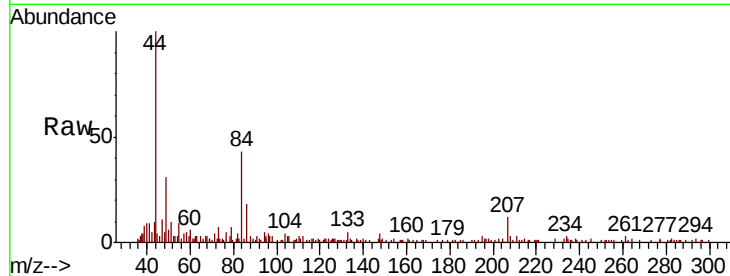
Delta R.T. -0.02 min

Lab File: VF062694.D

Acq: 21 May 2019 20:26

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	84	Resp:	22325
Ion	Ratio	Lower	Upper
84	100		
49	72.3	89.8	134.8#
51	23.3	28.4	42.6#
86	42.4	52.6	79.0#



#29

Tetrahydrofuran

Concen: 2.105 ug/l

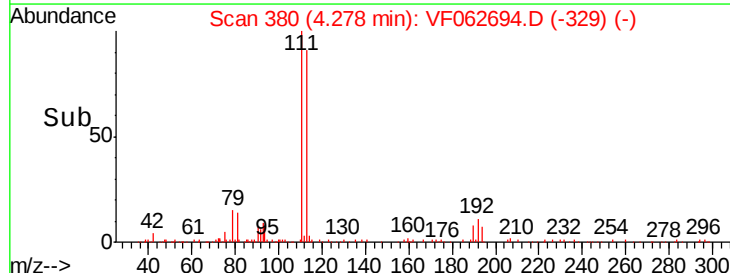
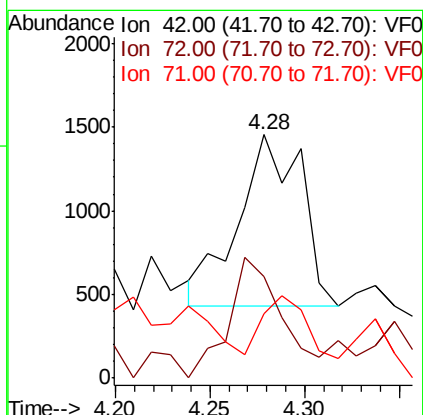
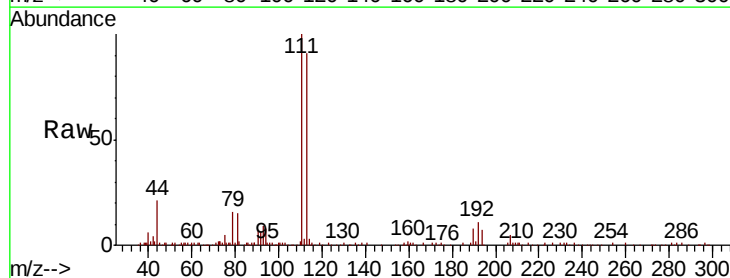
RT: 4.28 min Scan# 380

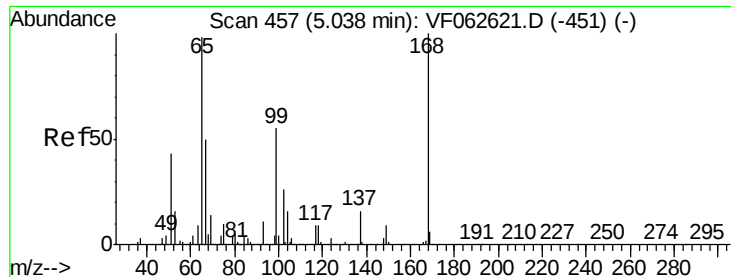
Delta R.T. -0.00 min

Lab File: VF062694.D

Acq: 21 May 2019 20:26

Tgt Ion:	42	Resp:	2383
Ion	Ratio	Lower	Upper
42	100		
72	59.2	38.2	57.2#
71	38.8	35.8	53.6





#33

1,2-Dichloroethane-d4

Concen: 37.521 ug/l

RT: 5.03 min Scan# 456

Delta R.T. -0.01 min

Lab File: VF062694.D

Acq: 21 May 2019 20:26

Instrument :

MSVOA_F

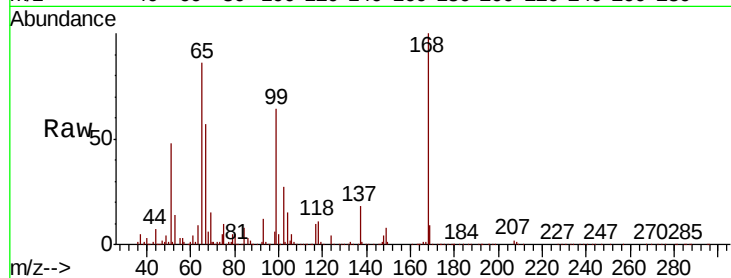
ClientSampleId :

Tot Ion: 65 Resp: 189356

Ion Ratio Lower Upper

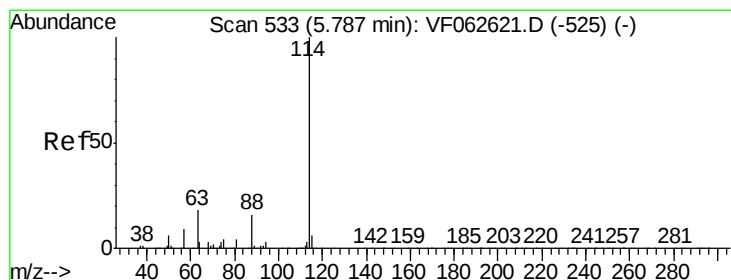
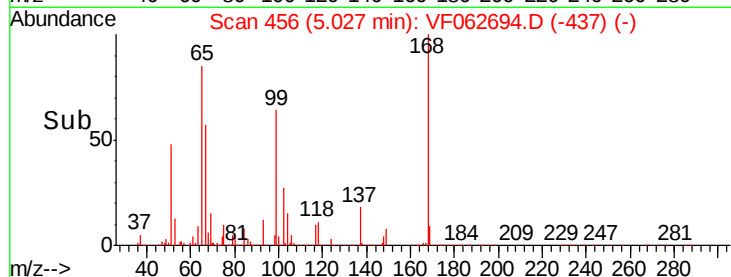
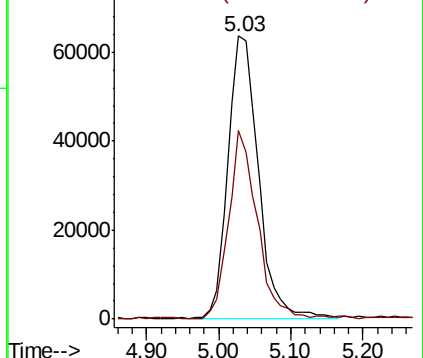
65 100

67 66.6 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: 5.78 min Scan# 532

Delta R.T. -0.01 min

Lab File: VF062694.D

Acq: 21 May 2019 20:26

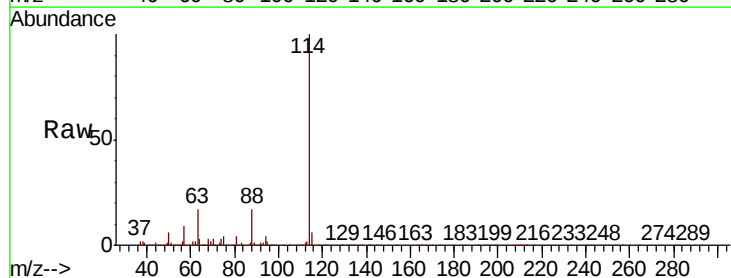
Tgt Ion: 114 Resp: 1220639

Ion Ratio Lower Upper

114 100

63 17.2 0.0 35.4

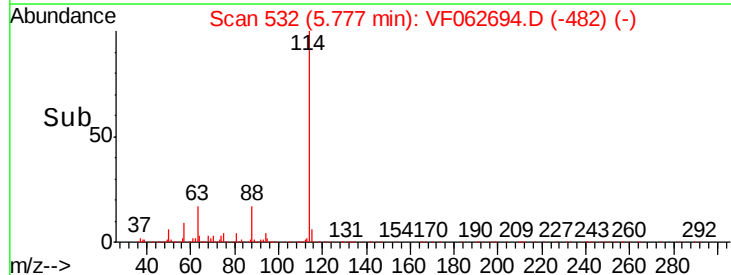
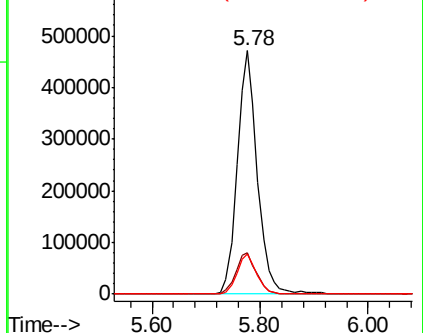
88 16.5 0.0 32.4

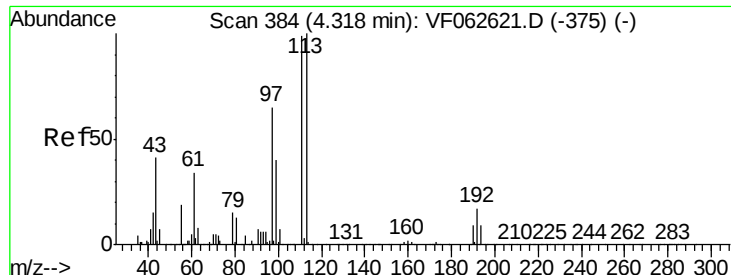


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

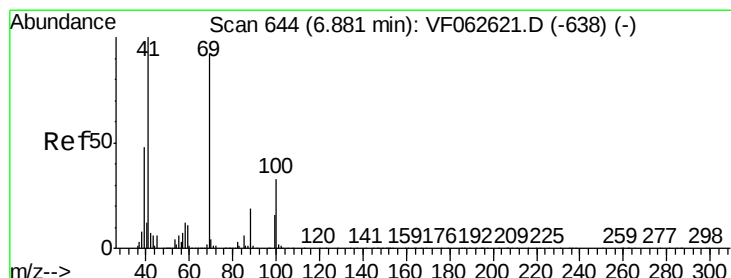
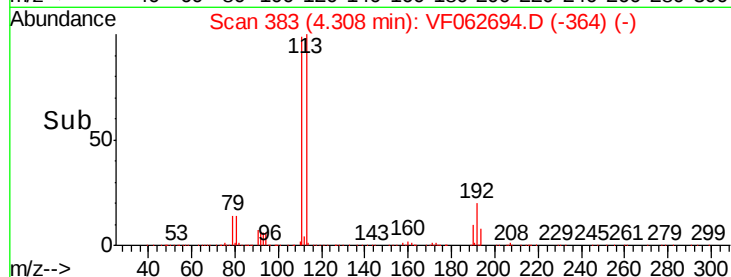
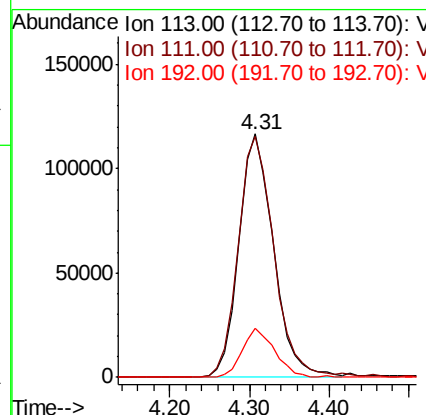
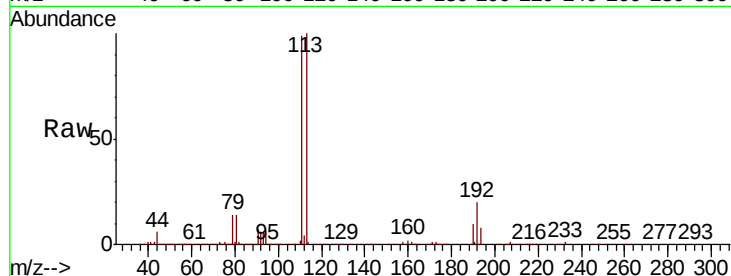




#35
 Dibromofluoromethane
 Concen: 37.789 ug/l
 RT: 4.31 min Scan# 383
 Delta R.T. -0.01 min
 Lab File: VF062694.D
 Acq: 21 May 2019 20:26

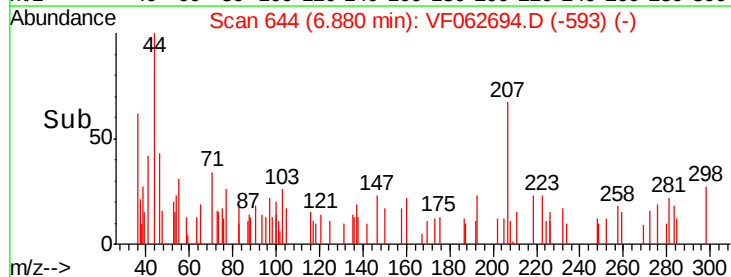
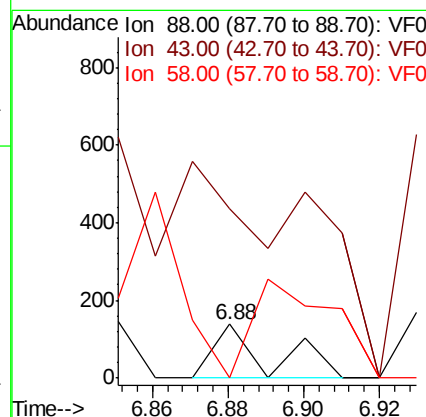
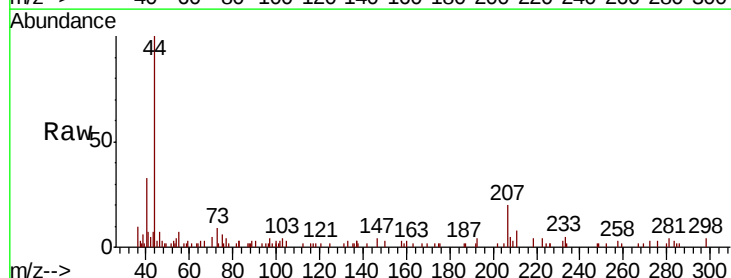
Instrument :
 MSVOA_F
 ClientSampleId :

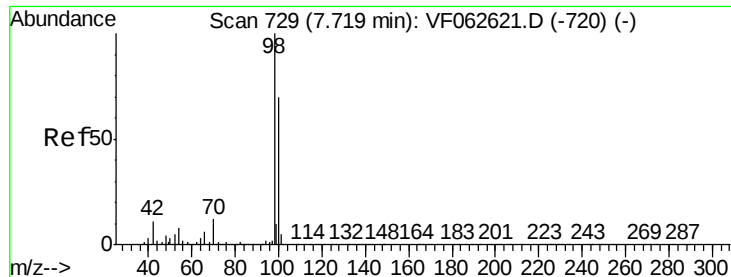
Tot Ion	Ratio	Lower	Upper
113	100		
111	99.2	79.4	119.2
192	20.1	13.4	20.2



#49
 1,4-Dioxane
 Concen: 3.251 ug/l
 RT: 6.88 min Scan# 644
 Delta R.T. -0.00 min
 Lab File: VF062694.D
 Acq: 21 May 2019 20:26

Tgt Ion	Ratio	Lower	Upper
88	100		
43	313.7	30.0	45.0#
58	0.0	51.1	76.7#

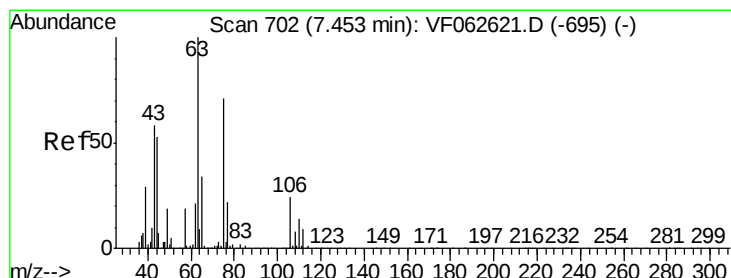
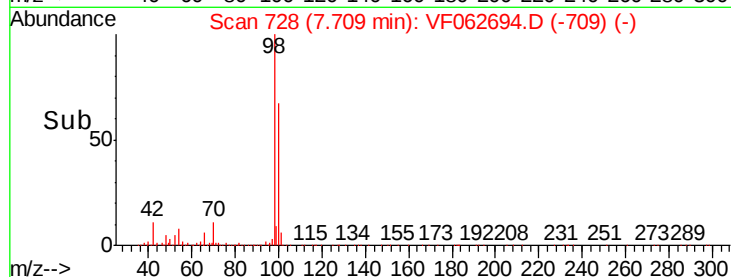
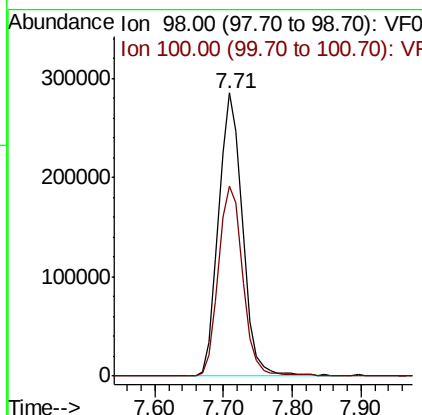
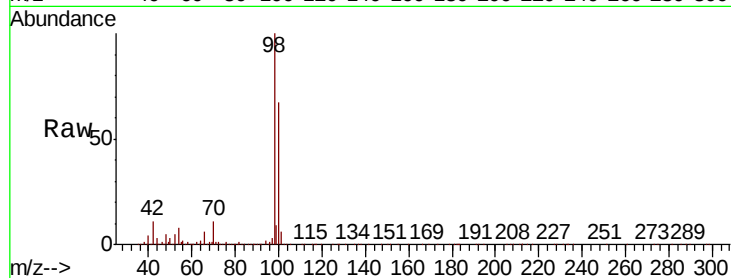




#50
Toluene-d8
Concen: 30.841 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.01 min
Lab File: VF062694.D
Acq: 21 May 2019 20:26

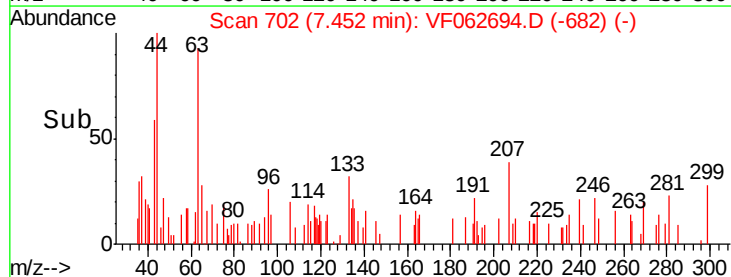
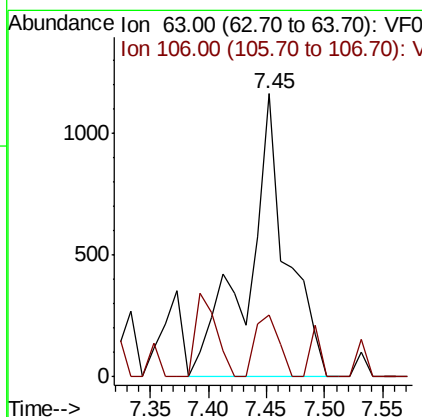
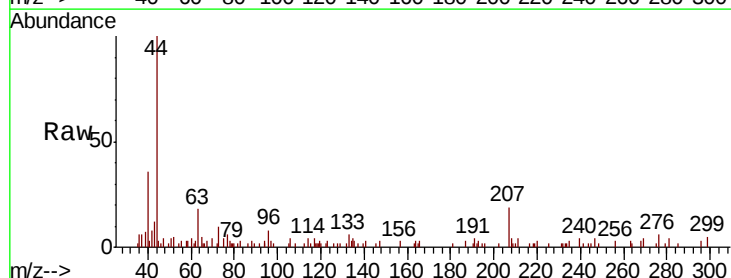
Instrument :
MSVOA_F
ClientSampleId :

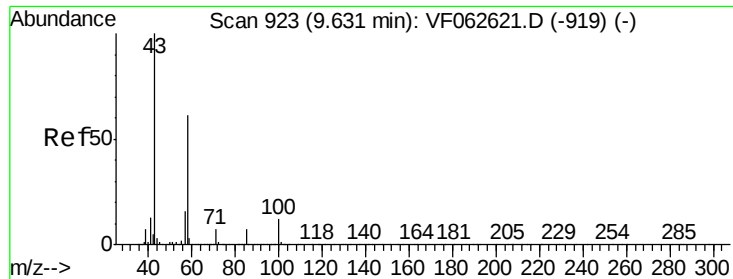
Tot Ion: 98 Resp: 687801
Ion Ratio Lower Upper
98 100
100 67.0 56.2 84.2



#58
2-Chloroethyl Vinyl ether
Concen: 1.311 ug/l
RT: 7.45 min Scan# 702
Delta R.T. -0.00 min
Lab File: VF062694.D
Acq: 21 May 2019 20:26

Tgt Ion: 63 Resp: 2691
Ion Ratio Lower Upper
63 100
106 21.7 19.1 28.7

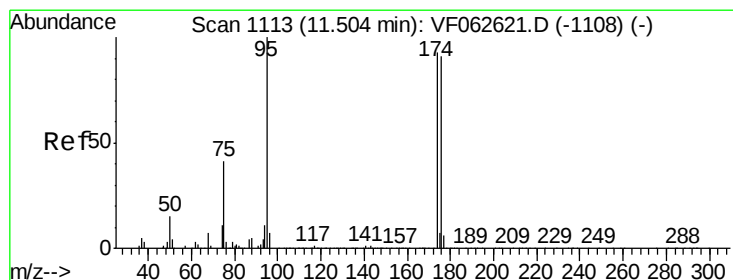
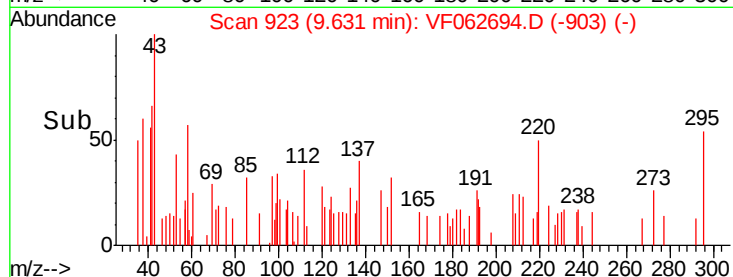
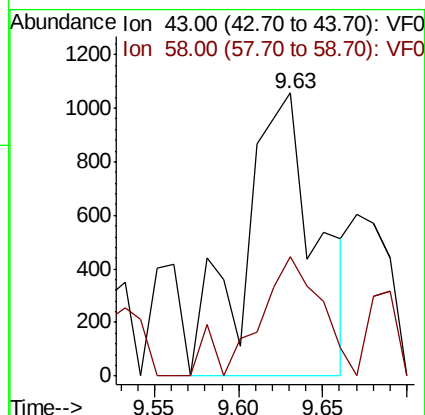
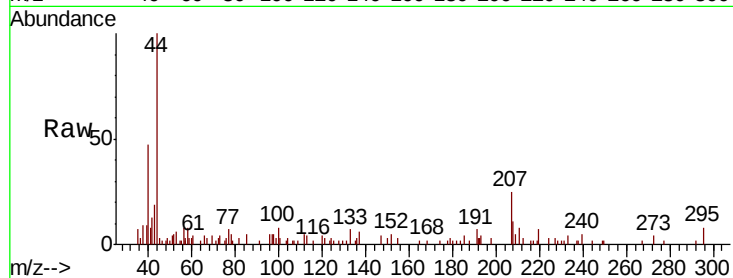




#59
2-Hexanone
Concen: Below Cal
RT: 9.63 min Scan# 923
Delta R.T. -0.00 min
Lab File: VF062694.D
Acq: 21 May 2019 20:26

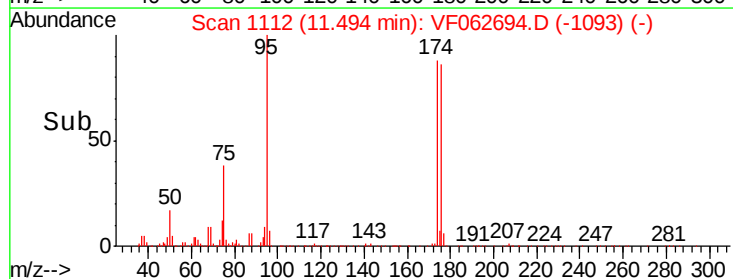
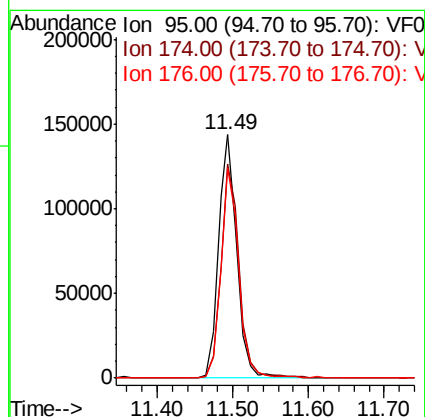
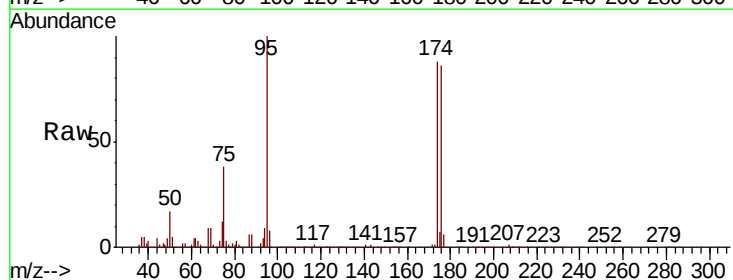
Instrument :
MSVOA_F
ClientSampled :

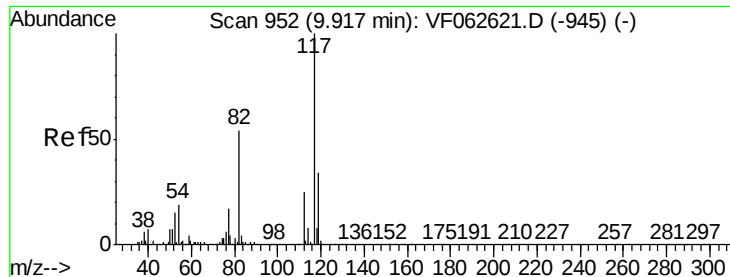
Tot Ion: 43 Resp: 3126
Ion Ratio Lower Upper
43 100
58 42.1 28.1 84.4



#62
4-Bromofluorobenzene
Concen: 28.842 ug/l
RT: 11.49 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VF062694.D
Acq: 21 May 2019 20:26

Tgt Ion: 95 Resp: 243954
Ion Ratio Lower Upper
95 100
174 88.0 0.0 185.6
176 86.3 0.0 182.4

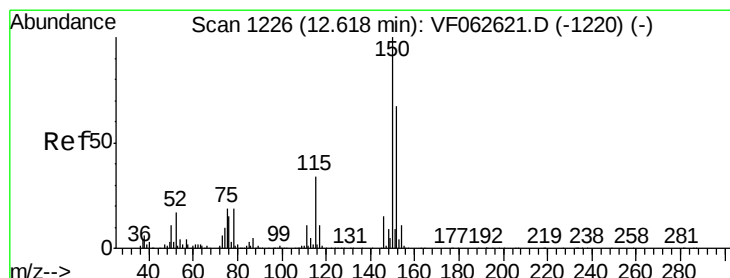
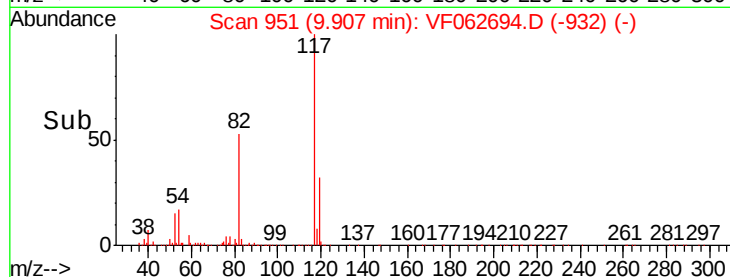
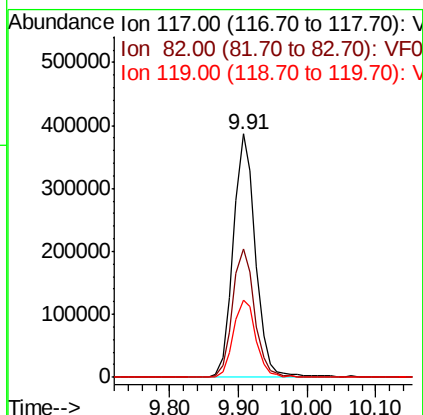
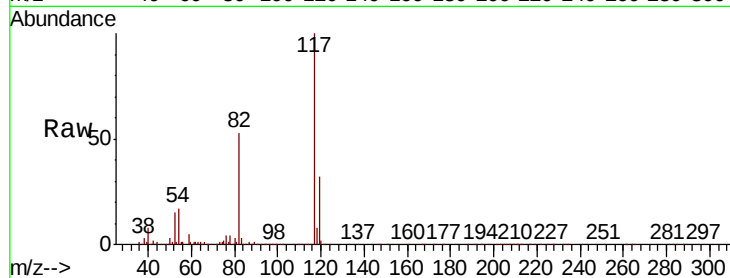




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.01 min
Lab File: VF062694.D
Acq: 21 May 2019 20:26

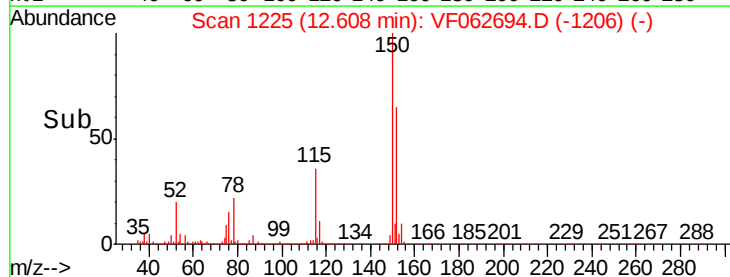
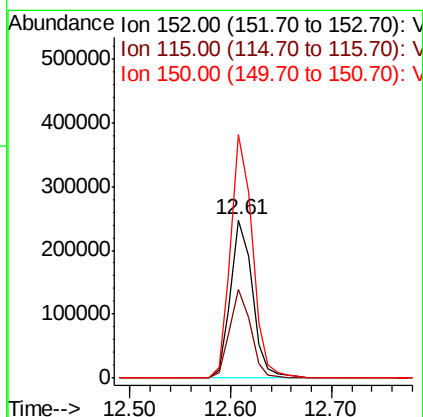
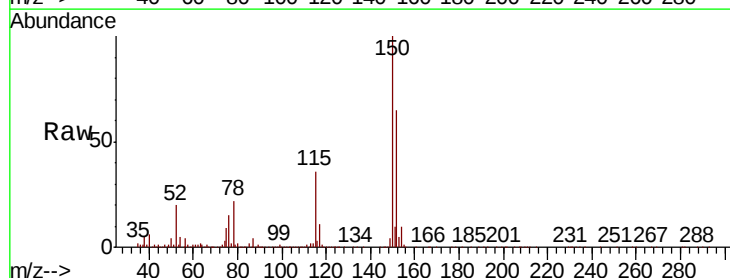
Instrument :
MSVOA_F
ClientSampled :

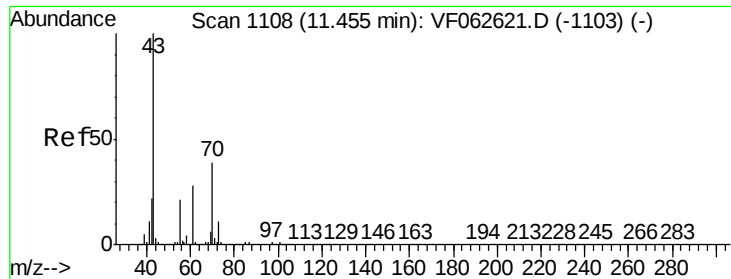
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.9	43.3	64.9
119	31.6	27.4	41.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1225
Delta R.T. -0.01 min
Lab File: VF062694.D
Acq: 21 May 2019 20:26

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.0	25.2	75.6
150	154.0	0.0	306.2





#74
 N-amvl acetate
 Concen: Below Cal
 RT: 11.46 min Scan# 1109
 Delta R.T. 0.01 min
 Lab File: VF062694.D
 Acq: 21 May 2019 20:26

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:	43	Resp:	1798
Ion	Ratio	Lower	Upper
43	100		
70	16.6	30.9	46.3#
55	30.3	17.0	25.4#
61	40.7	22.6	34.0#

