

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052319\
 Data File : VF062735.D
 Acq On : 23 May 2019 19:06
 Operator : FY/SY
 Sample : K3036-01
 Misc : 4.84g/5mL/MSVOA F/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: May 24 02:16:34 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	850393	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	1398237	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	1055787	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	455046	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	237539	39.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	79.06%	
35) Dibromofluoromethane	4.31	113	458277	42.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.66%	
50) Toluene-d8	7.72	98	1080272	42.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.58%	
62) 4-Bromofluorobenzene	11.50	95	374667	38.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	77.34%	

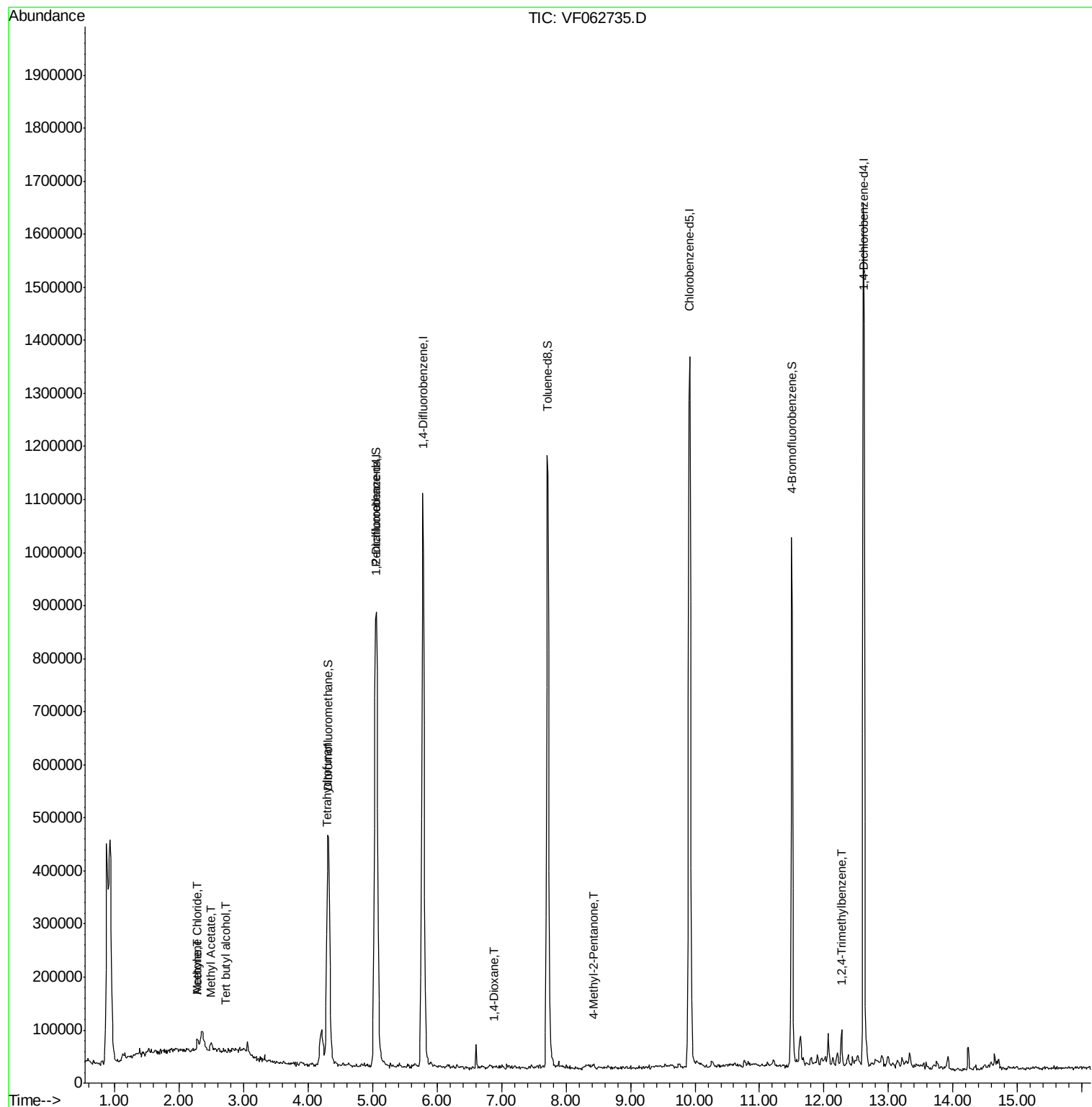
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.72	59	1767	4.454	ug/l #	13
16) Acetone	2.28	43	2073	1.330	ug/l	98
18) Methyl Acetate	2.50	43	12608	5.146	ug/l #	70
20) Methylene Chloride	2.29	84	13047	1.670	ug/l	92
29) Tetrahydrofuran	4.29	42	4218	3.129	ug/l #	78
49) 1,4-Dioxane	6.89	88	697	13.738	ug/l #	1
51) 4-Methyl-2-Pentanone	8.42	43	5722	1.105	ug/l #	79
59) 2-Hexanone	9.63	43	7076	Below Cal		93
74) N-amyl acetate	11.45	43	2349	Below Cal	#	64
84) 1,2,4-Trimethylbenzene	12.27	105	28201	1.114	ug/l	89

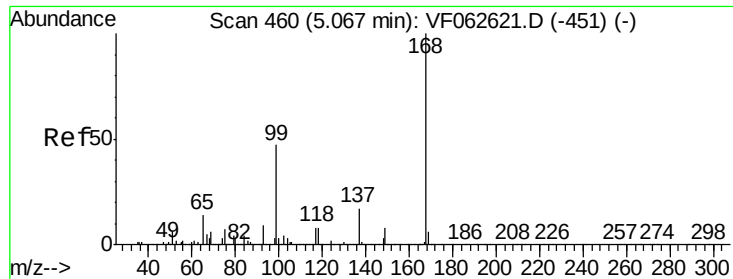
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VF062735.D

Acq: 23 May 2019 19:06

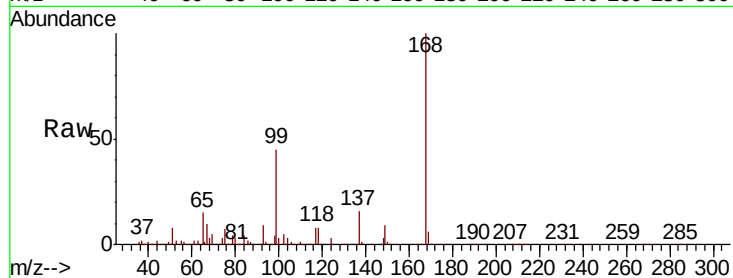
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 850393

Ion Ratio Lower Upper

168 100

99 45.3 37.8 56.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.06

300000

250000

200000

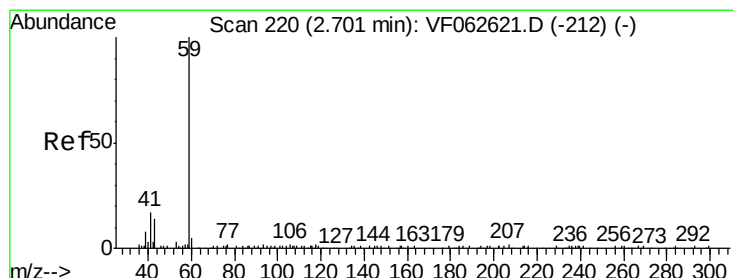
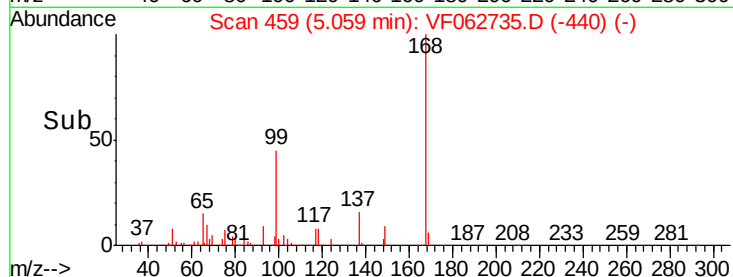
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 4.454 ug/l

RT: 2.72 min Scan# 222

Delta R.T. 0.02 min

Lab File: VF062735.D

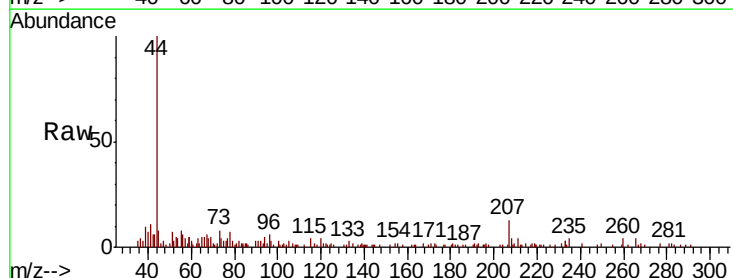
Acq: 23 May 2019 19:06

Tgt Ion: 59 Resp: 1767

Ion Ratio Lower Upper

59 100

57 45.1 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

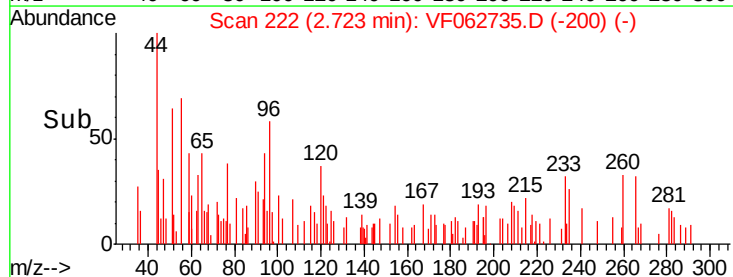
2.72

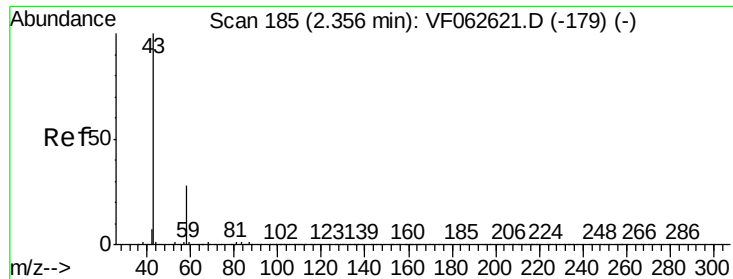
1000

500

0

Time-->

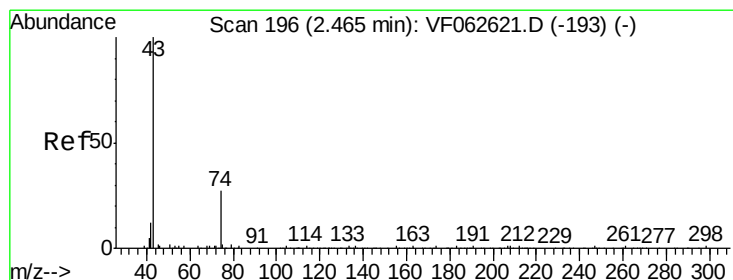
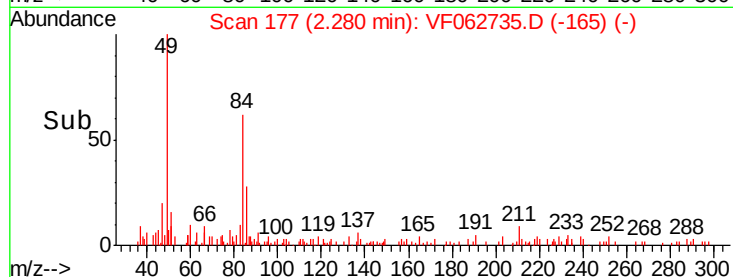
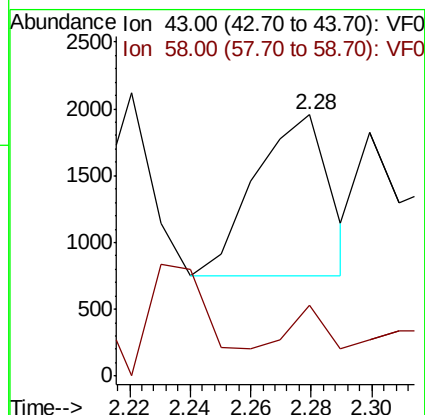
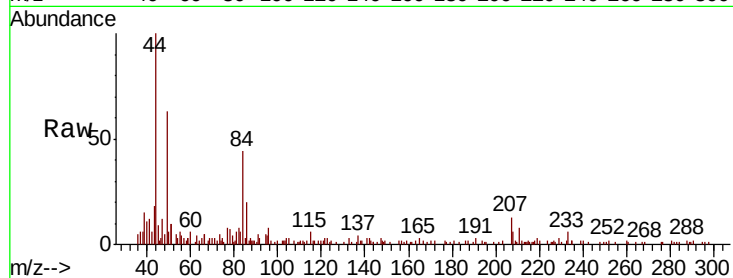




#16
Acetone
Concen: 1.330 ug/l
RT: 2.28 min Scan# 177
Delta R.T. -0.08 min
Lab File: VF062735.D
Acq: 23 May 2019 19:06

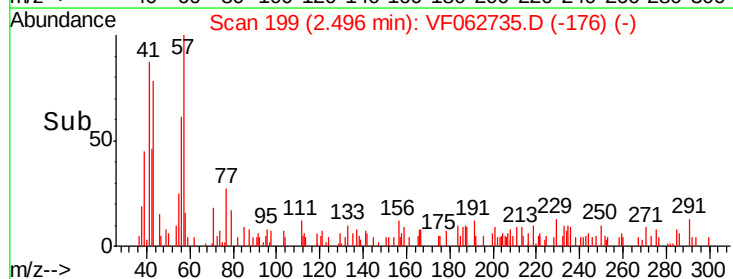
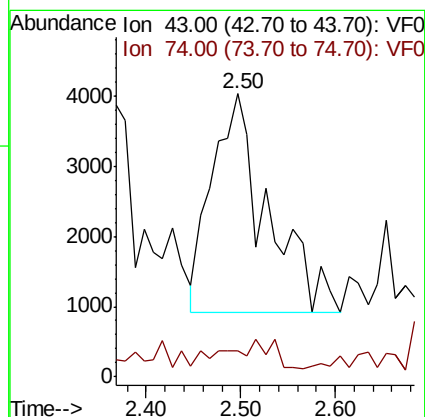
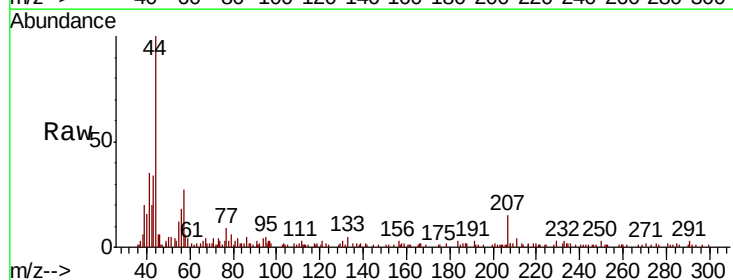
Instrument :
MSVOA_F
ClientSampleId :

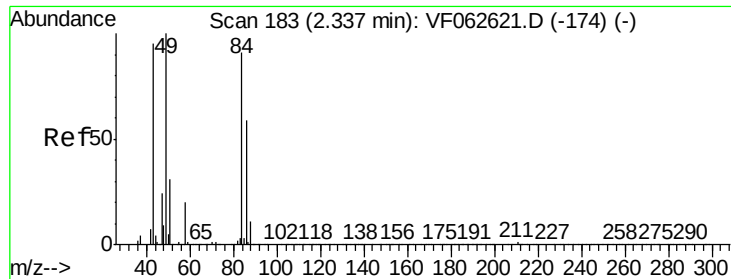
Tot Ion: 43 Resp: 2073
Ion Ratio Lower Upper
43 100
58 27.0 22.6 33.8



#18
Methyl Acetate
Concen: 5.146 ug/l
RT: 2.50 min Scan# 199
Delta R.T. 0.03 min
Lab File: VF062735.D
Acq: 23 May 2019 19:06

Tgt Ion: 43 Resp: 12608
Ion Ratio Lower Upper
43 100
74 9.0 18.9 28.3#

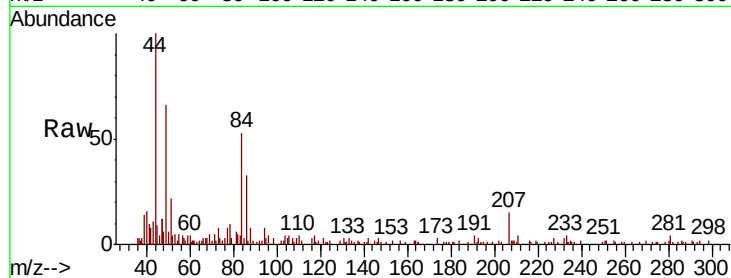




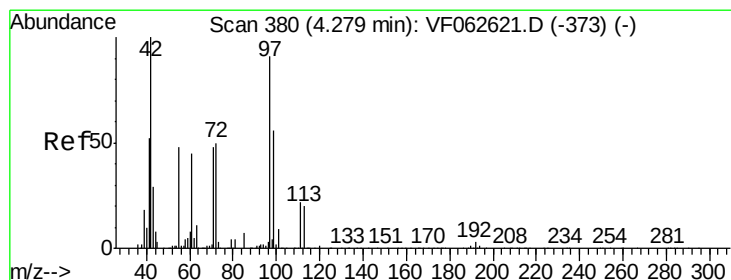
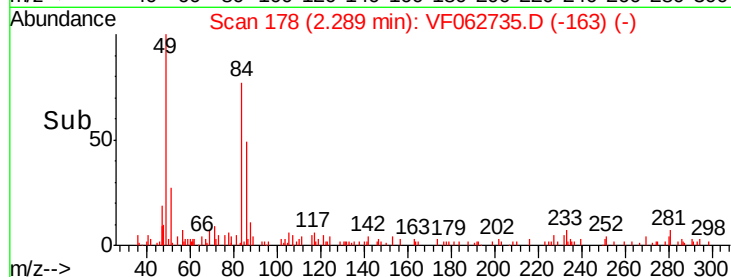
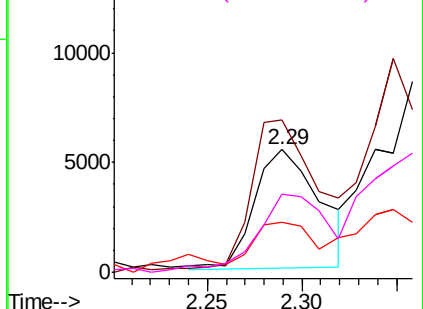
#20
Methylene Chloride
Concen: 1.670 ug/l
RT: 2.29 min Scan# 178
Delta R.T. -0.05 min
Lab File: VF062735.D
Acq: 23 May 2019 19:06

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	84	Resp:	13047
Ion	Ratio	Lower	Upper
84	100		
49	124.5	89.8	134.8
51	40.9	28.4	42.6
86	66.5	52.6	79.0

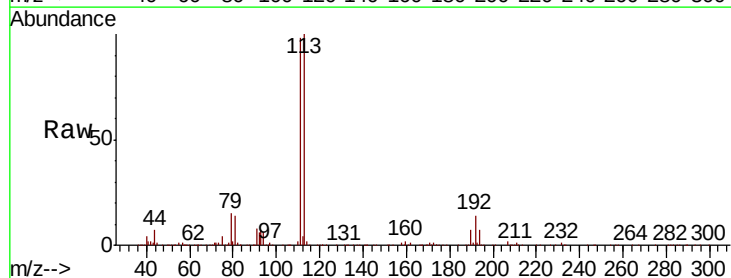


Abundance Ion 84.00 (83.70 to 84.70): VF0
Ion 49.00 (48.70 to 49.70): VF0
Ion 51.00 (50.70 to 51.70): VF0
Ion 86.00 (85.70 to 86.70): VF0

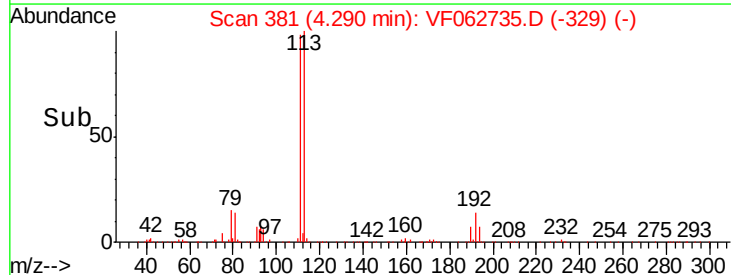
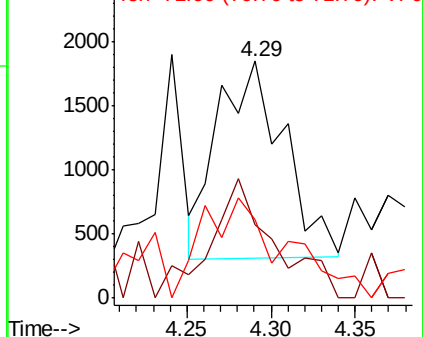


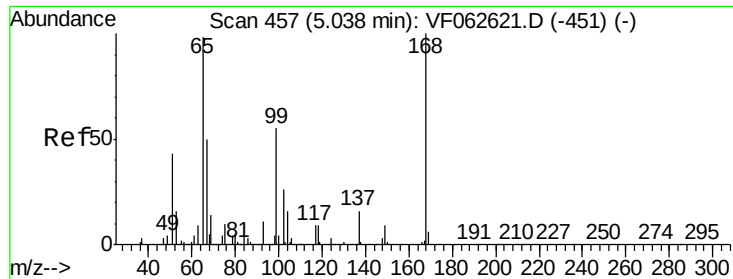
#29
Tetrahydrofuran
Concen: 3.129 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.01 min
Lab File: VF062735.D
Acq: 23 May 2019 19:06

Tgt Ion:	42	Resp:	4218
Ion	Ratio	Lower	Upper
42	100		
72	58.3	38.2	57.2#
71	64.0	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: 39.529 ug/l

RT: 5.04 min Scan# 457

Delta R.T. 0.00 min

Lab File: VF062735.D

Acq: 23 May 2019 19:06

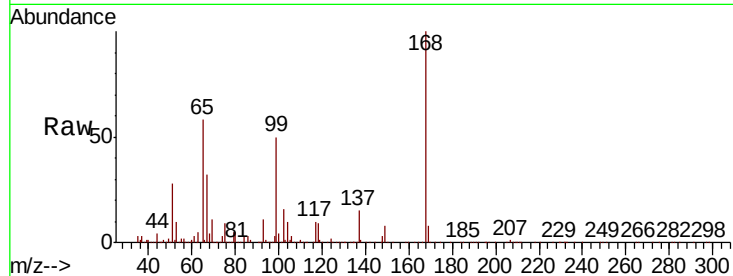
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 65 Resp: 237539

Ion Ratio Lower Upper

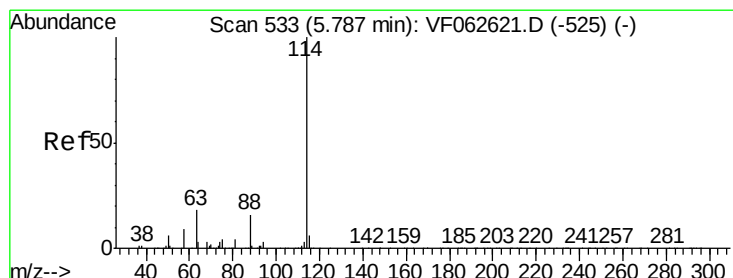
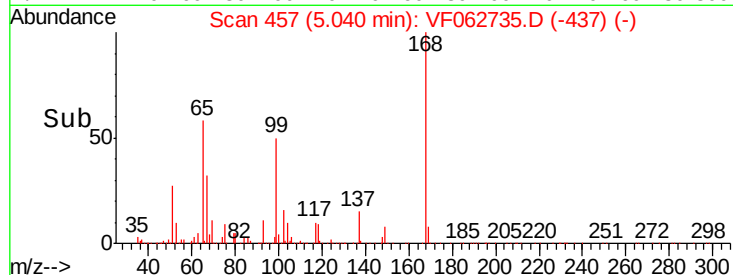
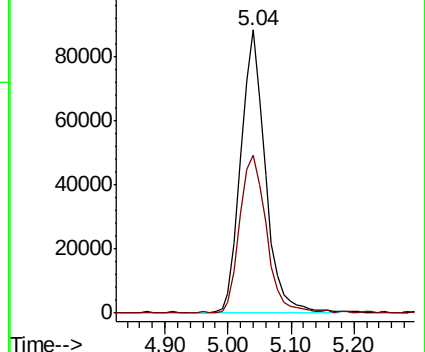
65 100

67 55.9 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: 5.78 min Scan# 532

Delta R.T. -0.01 min

Lab File: VF062735.D

Acq: 23 May 2019 19:06

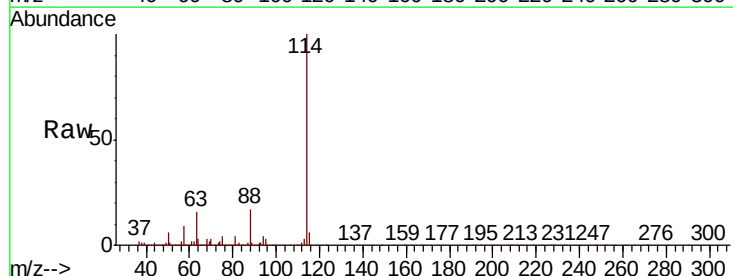
Tgt Ion:114 Resp: 1398237

Ion Ratio Lower Upper

114 100

63 16.2 0.0 35.4

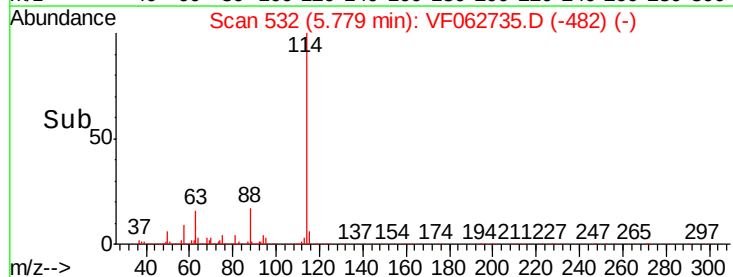
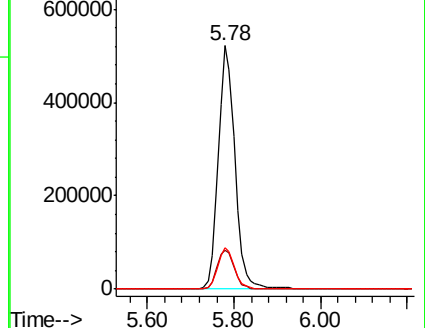
88 16.9 0.0 32.4

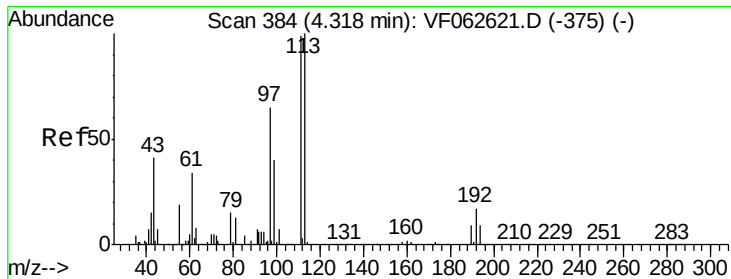


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

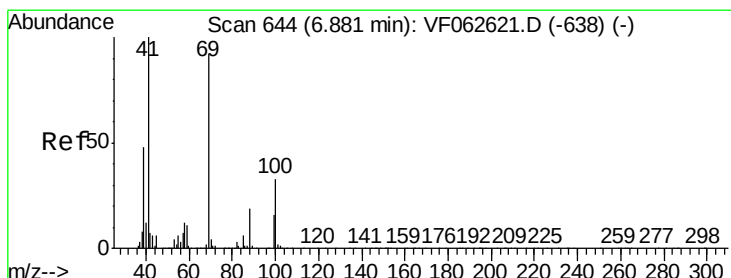
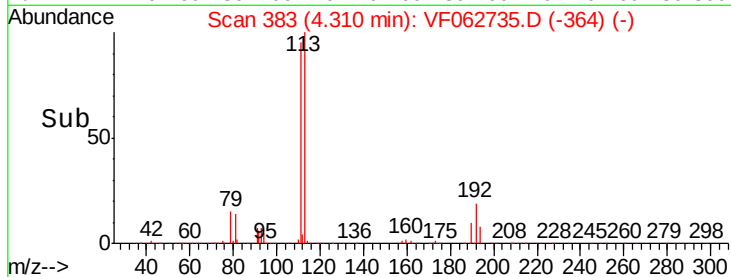
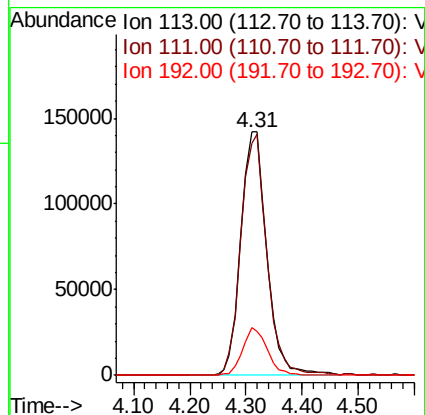
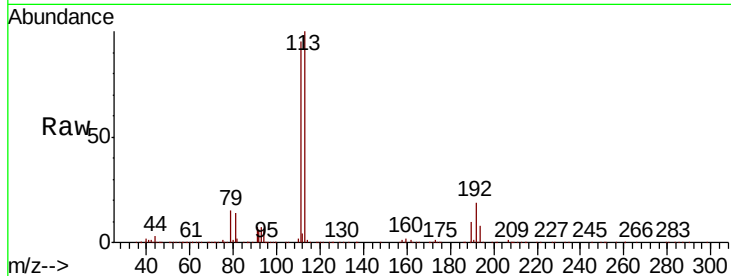




#35
 Dibromofluoromethane
 Concen: 42.832 ug/l
 RT: 4.31 min Scan# 383
 Delta R.T. -0.01 min
 Lab File: VF062735.D
 Acq: 23 May 2019 19:06

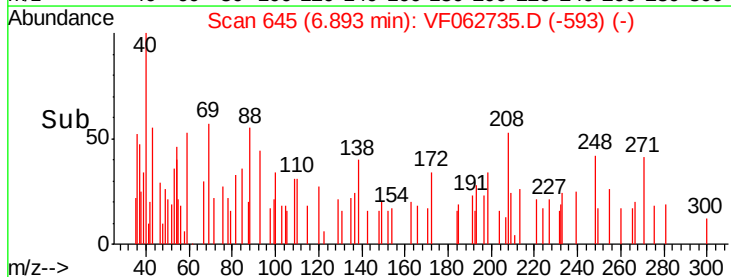
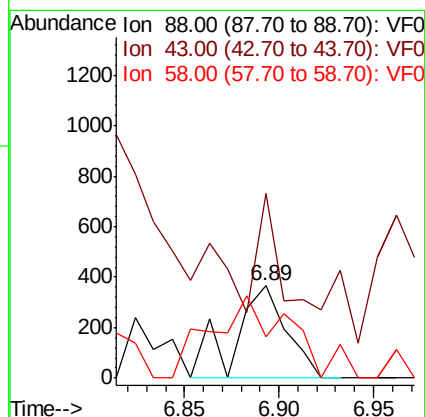
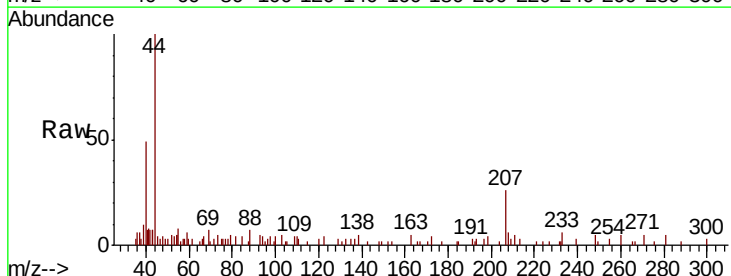
Instrument :
 MSVOA_F
 ClientSampleId :

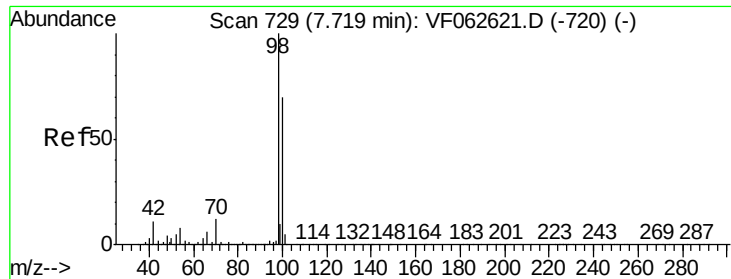
Tot Ion:113 Resp: 458277
 Ion Ratio Lower Upper
 113 100
 111 95.1 79.4 119.2
 192 19.4 13.4 20.2



#49
 1,4-Dioxane
 Concen: 13.738 ug/l
 RT: 6.89 min Scan# 645
 Delta R.T. 0.01 min
 Lab File: VF062735.D
 Acq: 23 May 2019 19:06

Tgt Ion: 88 Resp: 697
 Ion Ratio Lower Upper
 88 100
 43 201.1 30.0 45.0#
 58 44.9 51.1 76.7#





#50

Toluene-d8

Concen: 42.287 ug/l

RT: 7.72 min Scan# 729

Delta R.T. 0.00 min

Lab File: VF062735.D

Acq: 23 May 2019 19:06

Instrument :

MSVOA_F

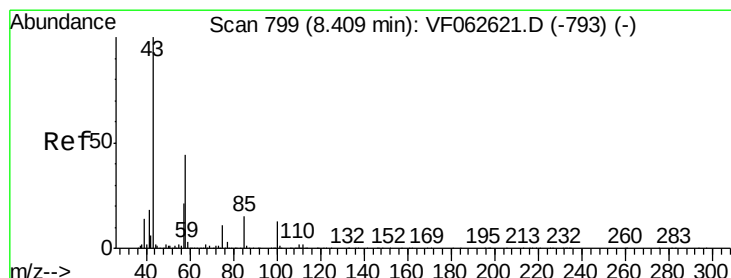
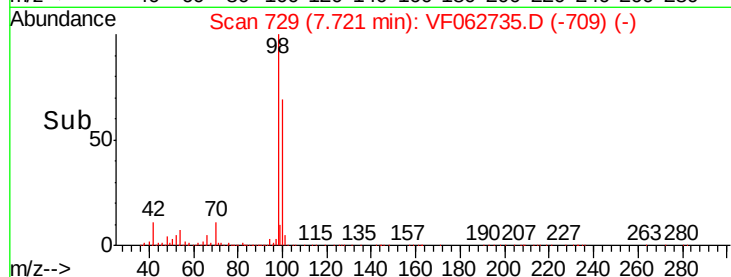
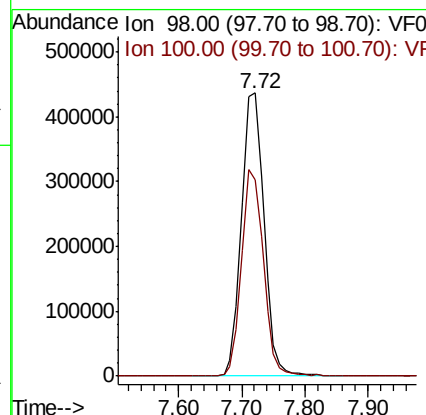
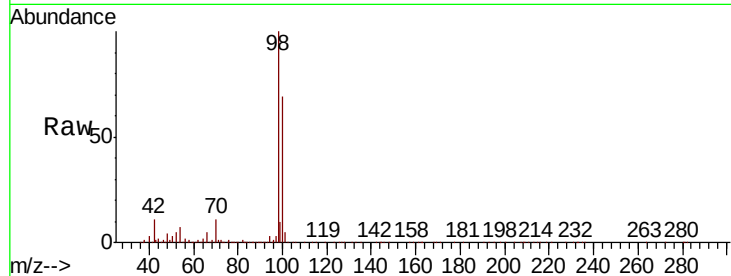
ClientSampleId :

Tot Ion: 98 Resp: 1080272

Ion Ratio Lower Upper

98 100

100 69.2 56.2 84.2



#51

4-Methyl-2-Pentanone

Concen: 1.105 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.01 min

Lab File: VF062735.D

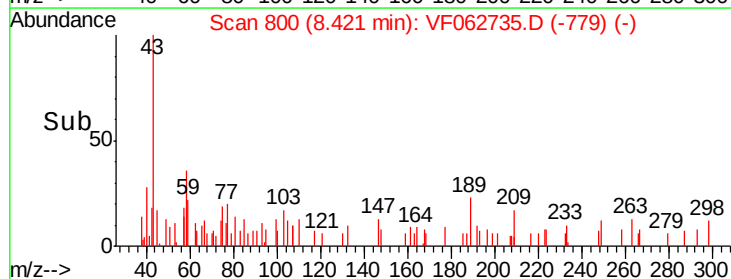
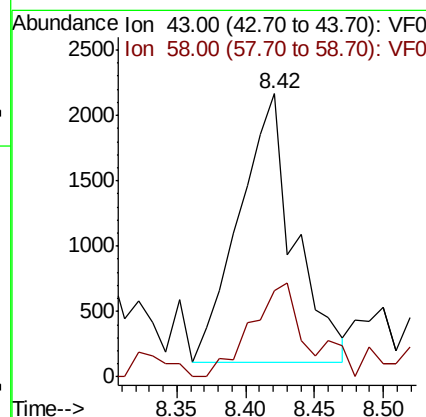
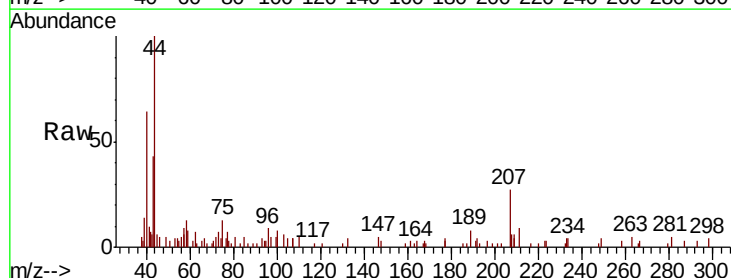
Acq: 23 May 2019 19:06

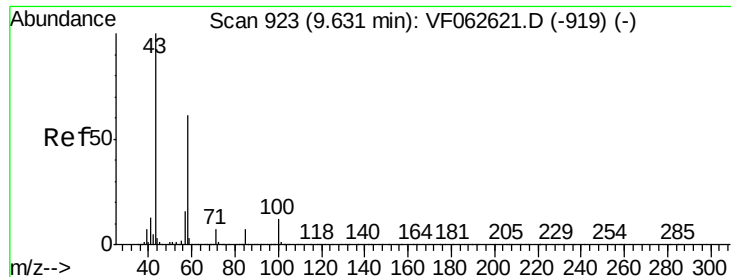
Tgt Ion: 43 Resp: 5722

Ion Ratio Lower Upper

43 100

58 30.3 34.9 52.3#

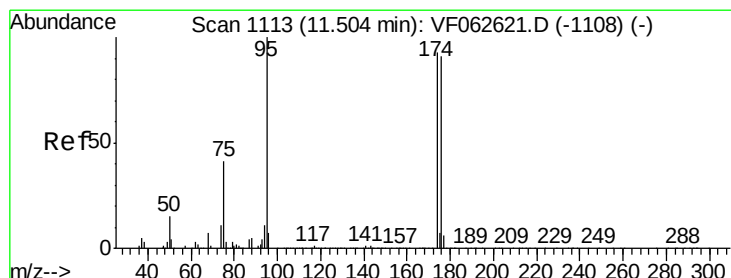
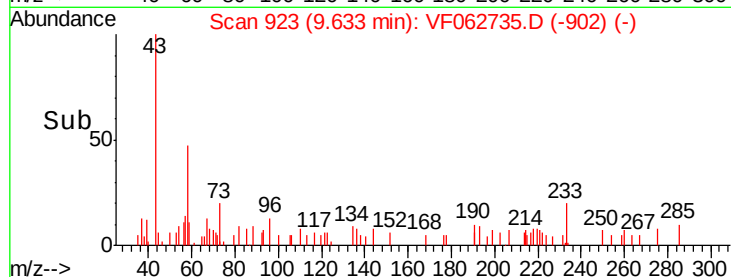
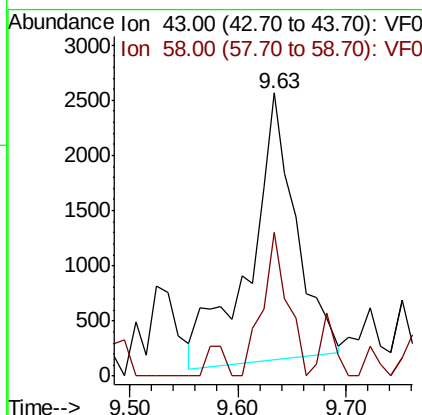
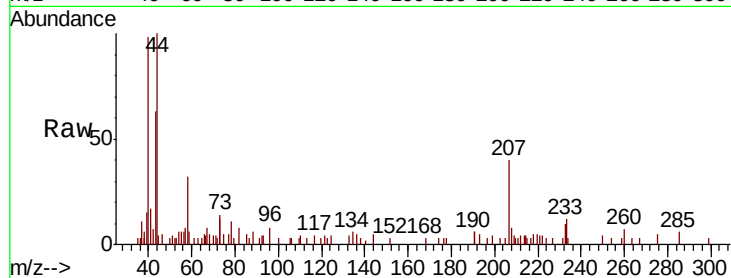




#59
2-Hexanone
Concen: Below Cal
RT: 9.63 min Scan# 923
Delta R.T. 0.00 min
Lab File: VF062735.D
Acq: 23 May 2019 19:06

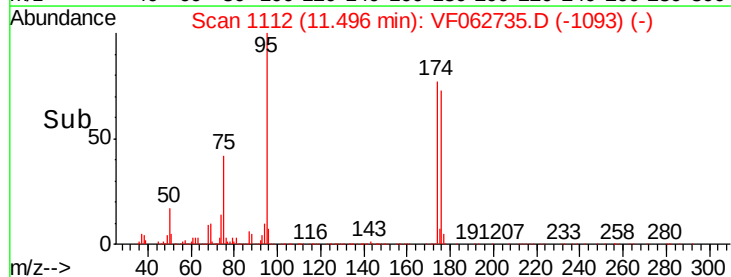
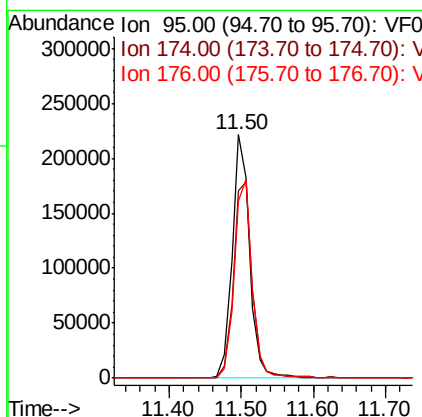
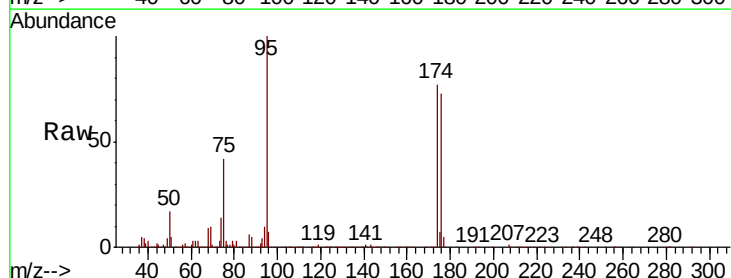
Instrument :
MSVOA_F
ClientSampled :

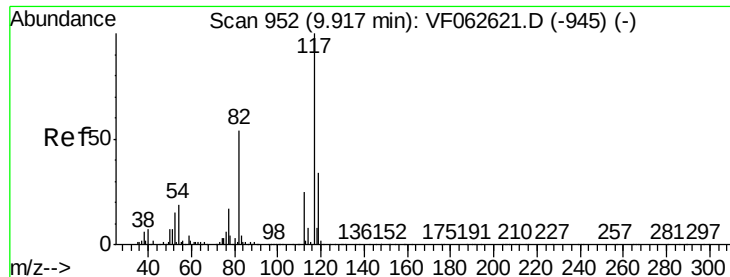
Tot Ion: 43 Resp: 7076
Ion Ratio Lower Upper
43 100
58 51.0 28.1 84.4



#62
4-Bromofluorobenzene
Concen: 38.670 ug/l
RT: 11.50 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VF062735.D
Acq: 23 May 2019 19:06

Tgt Ion: 95 Resp: 374667
Ion Ratio Lower Upper
95 100
174 76.9 0.0 185.6
176 72.8 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: VF062735.D

Acq: 23 May 2019 19:06

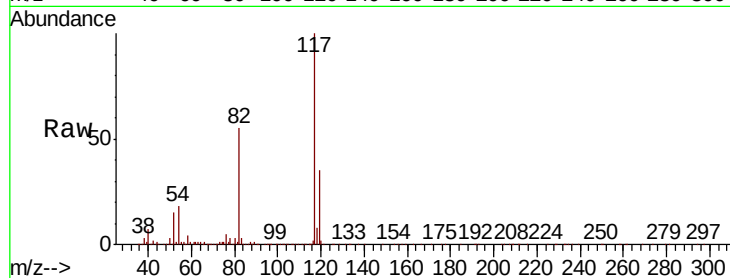
Instrument :

MSVOA_F

ClientSampleId :

Tot Ion:117 Resp: 1055787

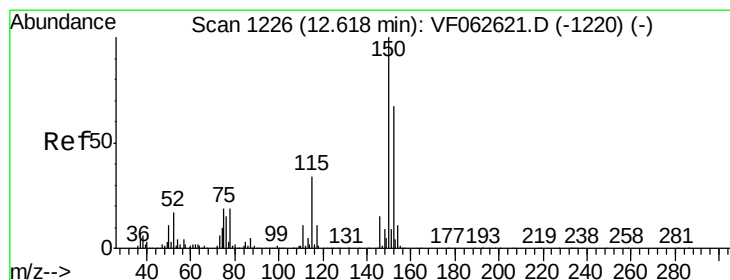
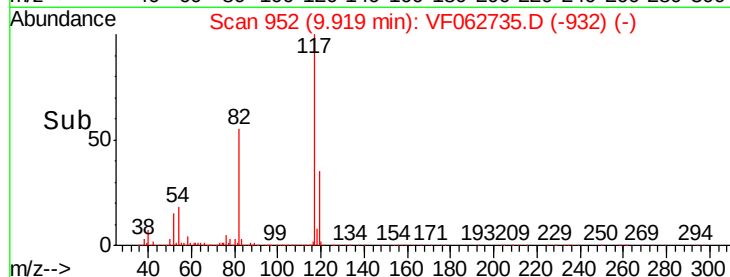
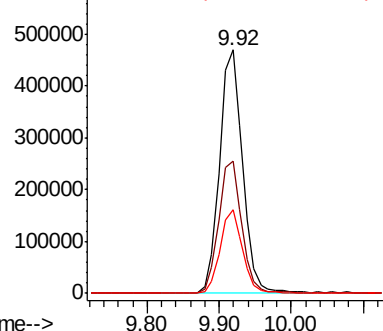
Ion	Ratio	Lower	Upper
117	100		
82	54.5	43.3	64.9
119	34.5	27.4	41.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.61 min Scan# 1225

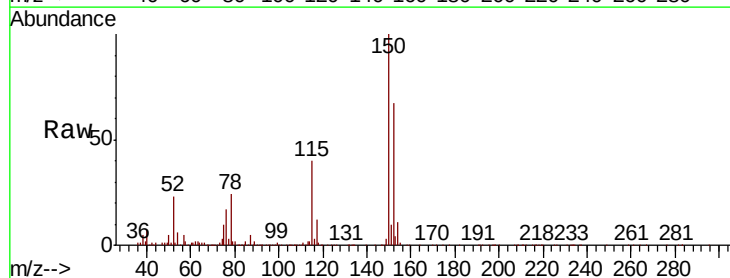
Delta R.T. -0.01 min

Lab File: VF062735.D

Acq: 23 May 2019 19:06

Tgt Ion:152 Resp: 455046

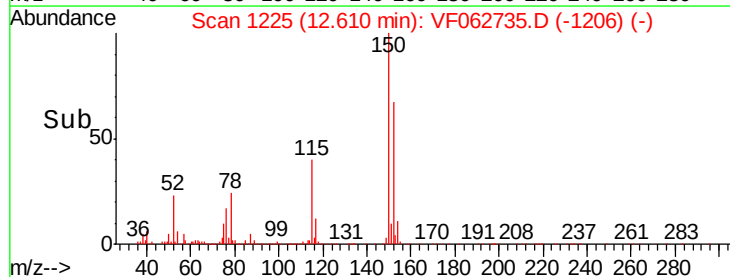
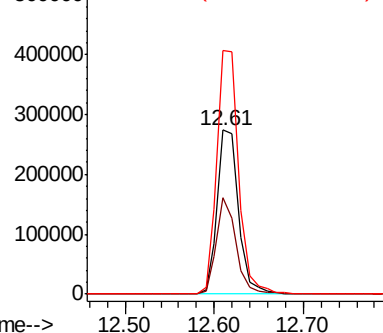
Ion	Ratio	Lower	Upper
152	100		
115	58.8	25.2	75.6
150	148.7	0.0	306.2

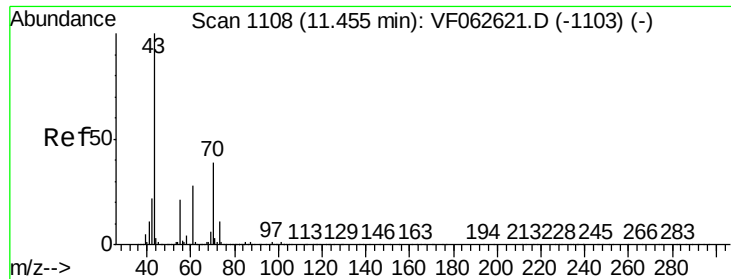


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#74

N-amvl acetate

Concen: Below Cal

RT: 11.45 min Scan# 1107

Delta R.T. -0.01 min

Lab File: VF062735.D

Acq: 23 May 2019 19:06

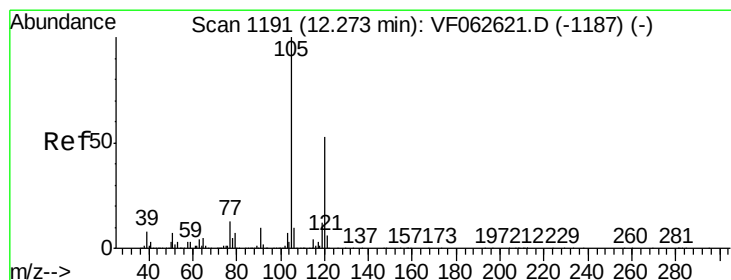
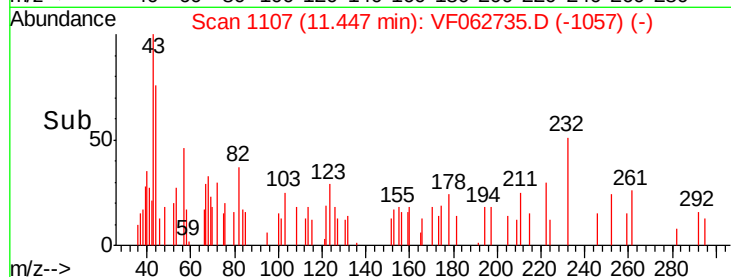
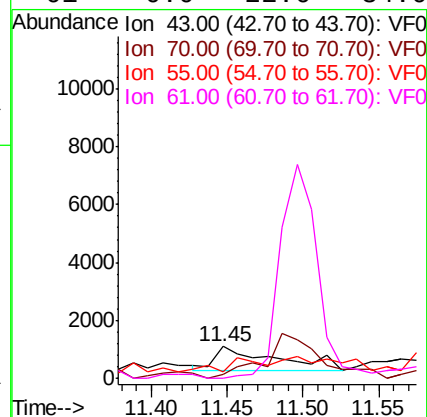
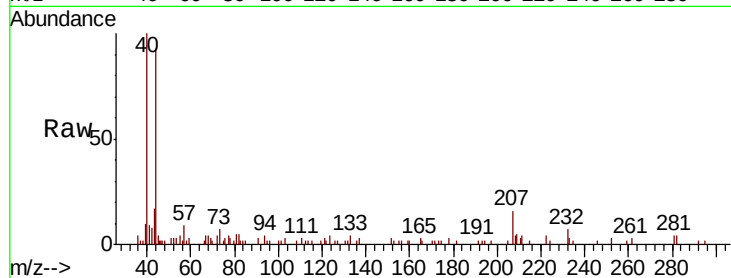
Instrument :

MSVOA_F

ClientSampled :

Tot Ion: 43 Resp: 2349

Ion	Ratio	Lower	Upper
43	100		
70	13.0	30.9	46.3#
55	22.1	17.0	25.4
61	0.0	22.6	34.0#



#84

1,2,4-Trimethylbenzene

Concen: 1.114 ug/l

RT: 12.27 min Scan# 1191

Delta R.T. 0.00 min

Lab File: VF062735.D

Acq: 23 May 2019 19:06

Tgt Ion: 105 Resp: 28201

Ion	Ratio	Lower	Upper
105	100		
120	45.5	26.7	80.1

