

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051419\
 Data File : VF062593.D
 Acq On : 14 May 2019 21:37
 Operator : FY/SY
 Sample : K2808-01
 Misc : 3.44g/5mL/MSVOA F/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 RT-2683-RT-5156

Quant Time: May 15 05:17:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051419S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 15 05:06:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.08	168	712238	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.80	114	1161106	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	838610	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	416925	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.06	65	203481	37.82	ug/l	0.00
Spiked Amount			Recovery	=	75.64%	
35) Dibromofluoromethane	4.33	113	341837	39.56	ug/l	0.00
Spiked Amount			Recovery	=	79.12%	
50) Toluene-d8	7.73	98	702952	34.52	ug/l	0.00
Spiked Amount			Recovery	=	69.04%	
62) 4-Bromofluorobenzene	11.50	95	270207	37.99	ug/l	0.00
Spiked Amount			Recovery	=	75.98%	

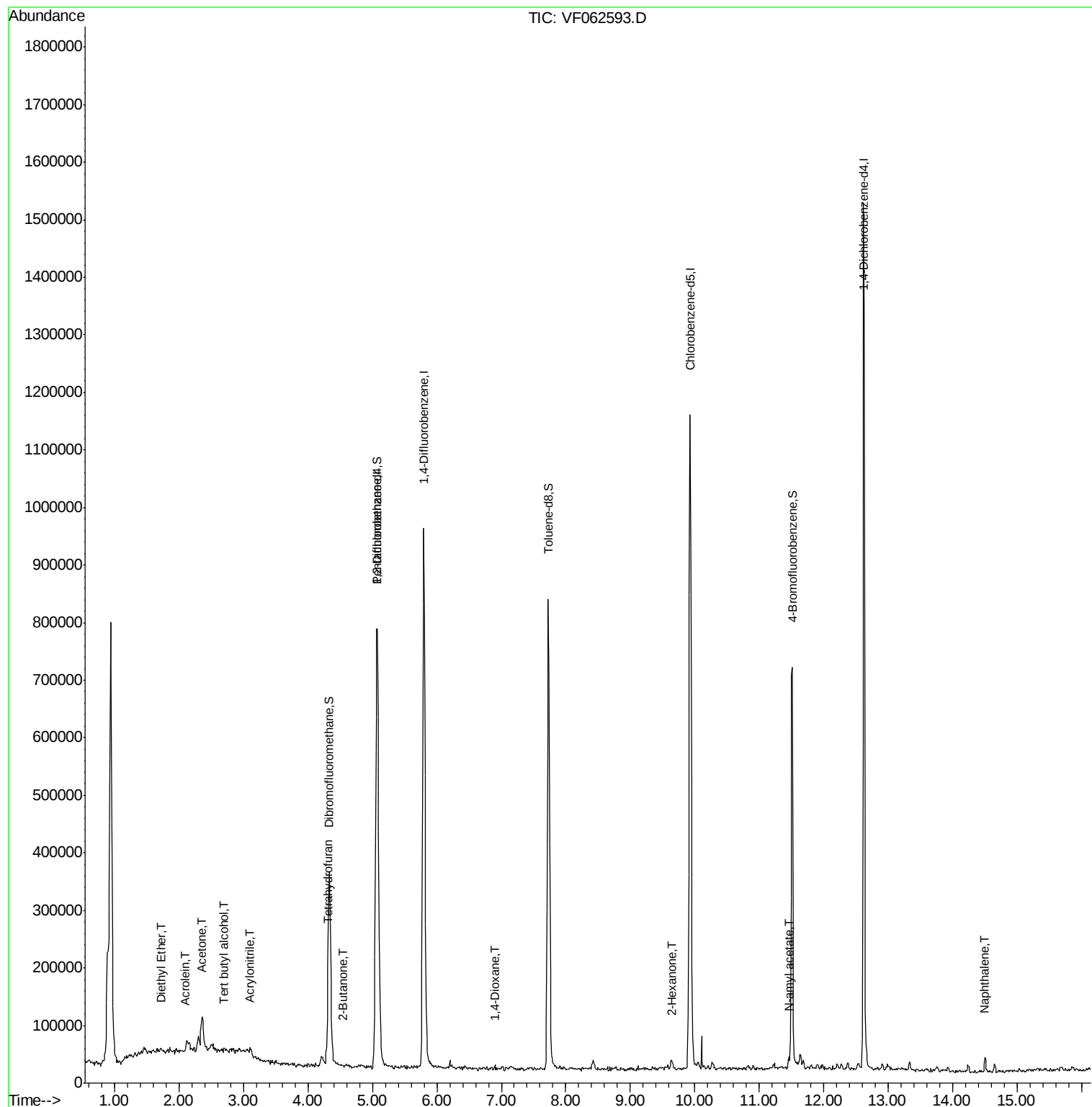
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.00	85	752	Below Cal		84
8) Diethyl Ether	1.72	74	6145	2.475	ug/l	87
11) Tert butyl alcohol	2.71	59	2347	7.245	ug/l #	1
13) Acrolein	2.08	56	472	2.198	ug/l	87
15) Acrylonitrile	3.11	53	1931	1.666	ug/l #	84
16) Acetone	2.36	43	81158	74.333	ug/l #	83
17) Carbon Disulfide	1.92	76	1349	Below Cal	#	71
18) Methyl Acetate	2.48	43	10934	Below Cal	#	82
25) 2-Butanone	4.55	43	4743	1.922	ug/l #	73
29) Tetrahydrofuran	4.30	42	2470	2.365	ug/l #	81
49) 1,4-Dioxane	6.91	88	441	12.514	ug/l #	53
59) 2-Hexanone	9.64	43	14434	6.105	ug/l	94
74) N-amyl acetate	11.46	43	15745	2.313	ug/l #	93
95) Naphthalene	14.50	128	17614	1.416	ug/l	99

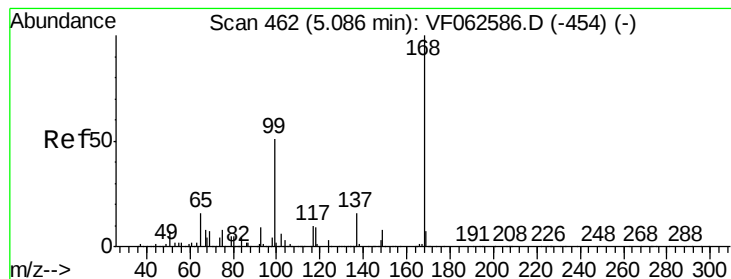
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed May 15 05:06:28 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.08 min Scan# 461

Delta R.T. -0.01 min

Lab File: VF062593.D

Acq: 14 May 2019 21:37

Instrument :

MSVOA_F

ClientSampleId :

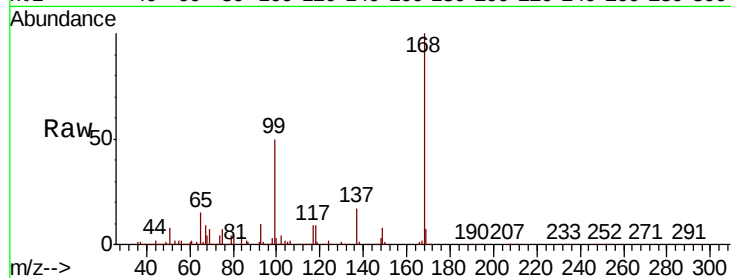
RT-2683-RT-5156

Tot Ion:168 Resp: 712238

Ion Ratio Lower Upper

168 100

99 49.6 41.0 61.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.08

250000

200000

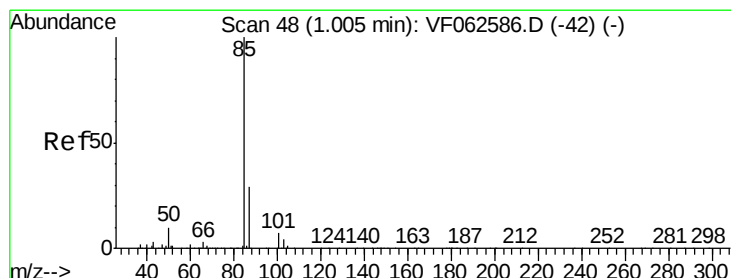
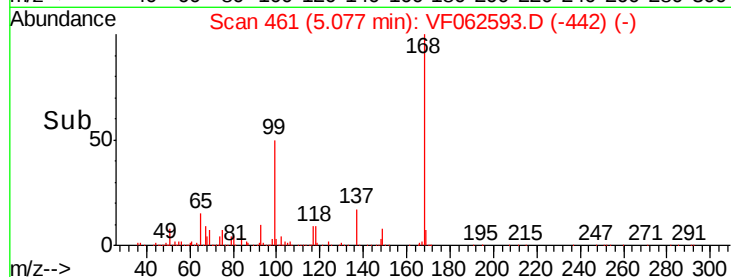
150000

100000

50000

0

Time--> 4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.00 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF062593.D

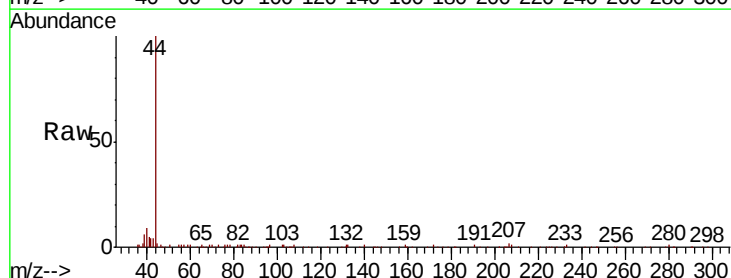
Acq: 14 May 2019 21:37

Tgt Ion: 85 Resp: 752

Ion Ratio Lower Upper

85 100

87 37.6 14.6 43.8



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.00

500

400

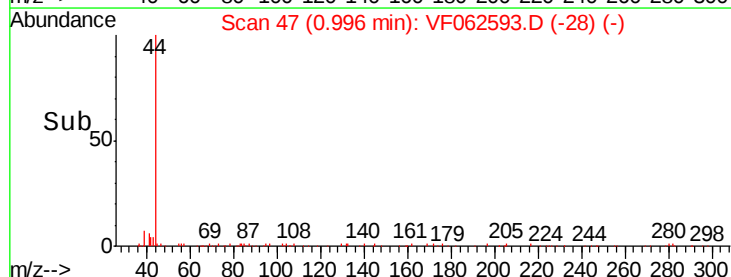
300

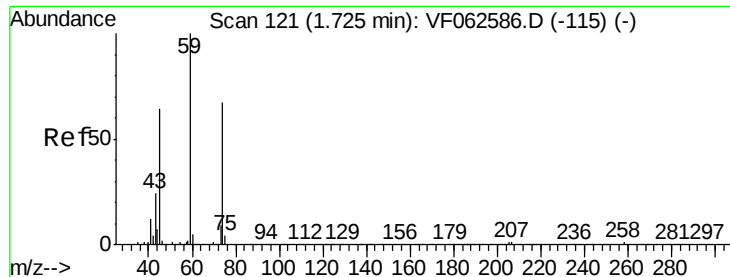
200

100

0

Time--> 0.98 1.00 1.02 1.04





#8

Diethyl Ether

Concen: 2.475 ug/l

RT: 1.72 min Scan# 120

Delta R.T. -0.01 min

Lab File: VF062593.D

Acq: 14 May 2019 21:37

Instrument :

MSVOA_F

ClientSampleId :

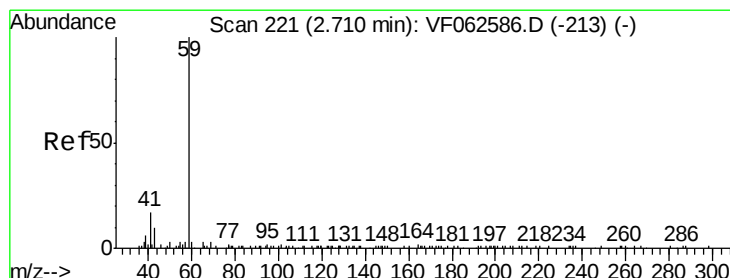
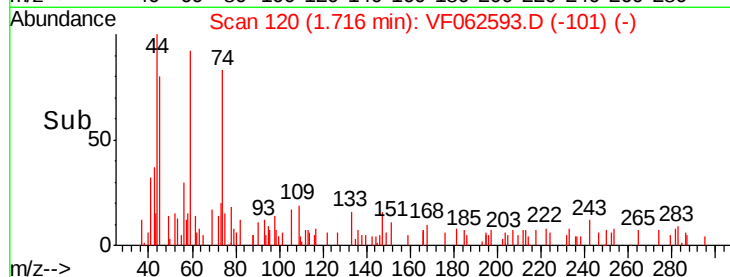
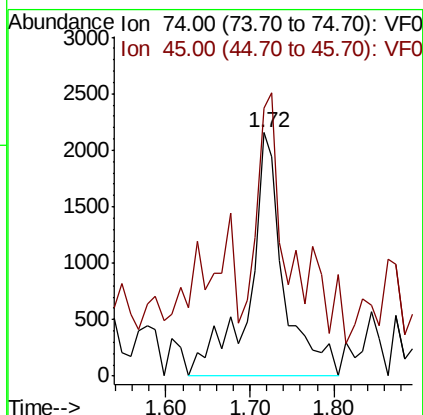
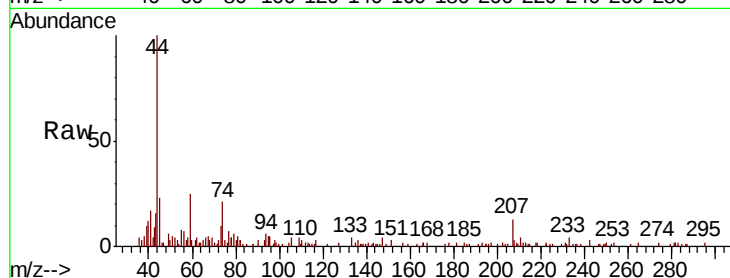
RT-2683-RT-5156

Tot Ion: 74 Resp: 6145

Ion Ratio Lower Upper

74 100

45 110.2 48.6 145.8



#11

Tert butyl alcohol

Concen: 7.245 ug/l

RT: 2.71 min Scan# 221

Delta R.T. 0.00 min

Lab File: VF062593.D

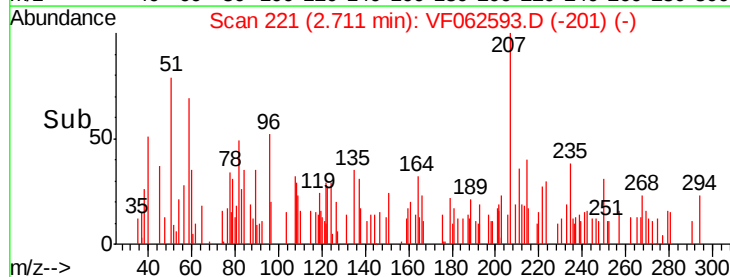
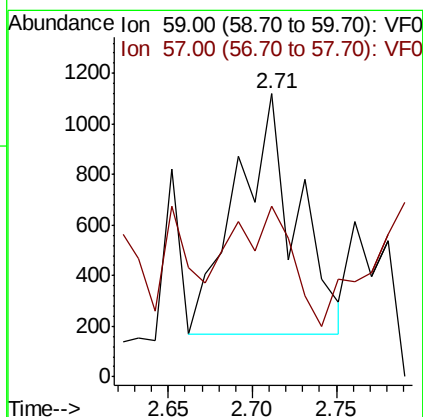
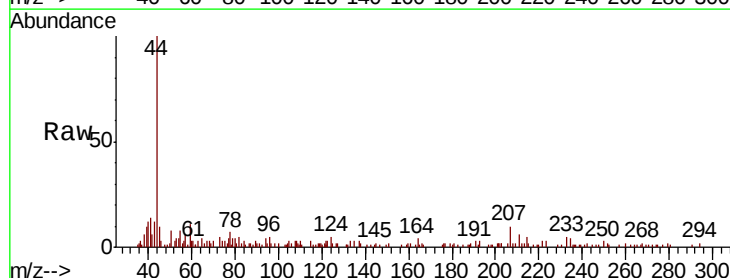
Acq: 14 May 2019 21:37

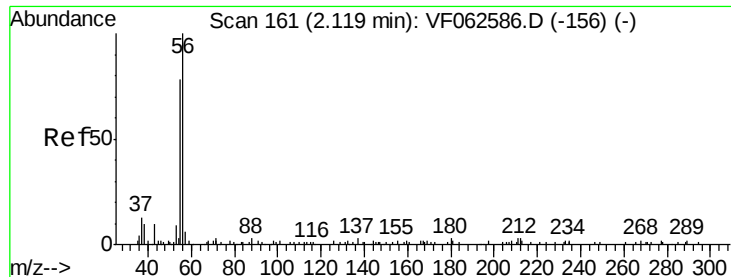
Tgt Ion: 59 Resp: 2347

Ion Ratio Lower Upper

59 100

57 60.2 8.0 12.0#





#13

Acrolein

Concen: 2.198 ug/l

RT: 2.08 min Scan# 157

Delta R.T. -0.04 min

Lab File: VF062593.D

Acq: 14 May 2019 21:37

Instrument :

MSVOA_F

ClientSampleId :

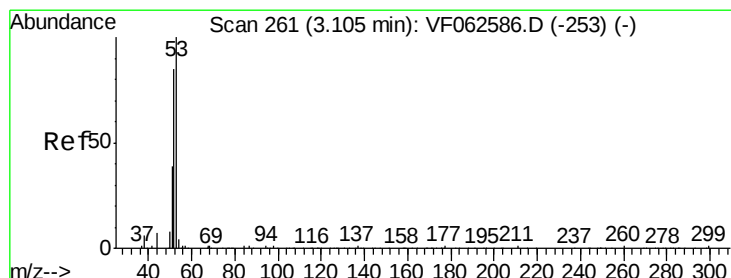
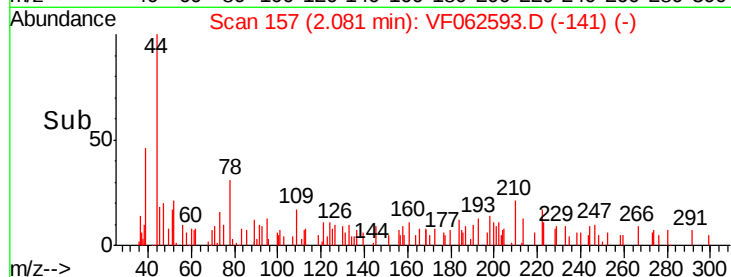
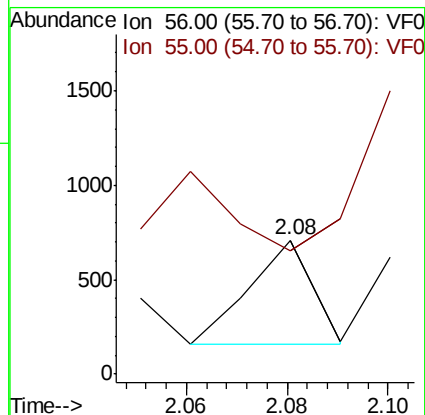
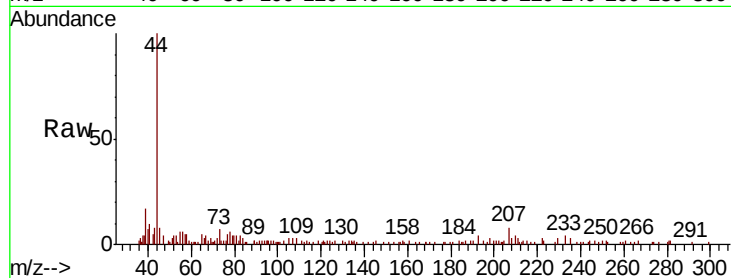
RT-2683-RT-5156

Tot Ion: 56 Resp: 472

Ion Ratio Lower Upper

56 100

55 92.4 64.6 96.8



#15

Acrylonitrile

Concen: 1.666 ug/l

RT: 3.11 min Scan# 261

Delta R.T. 0.00 min

Lab File: VF062593.D

Acq: 14 May 2019 21:37

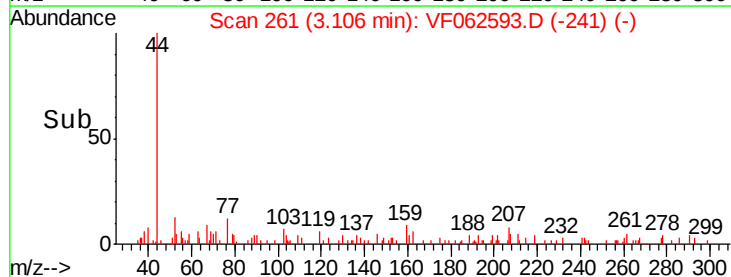
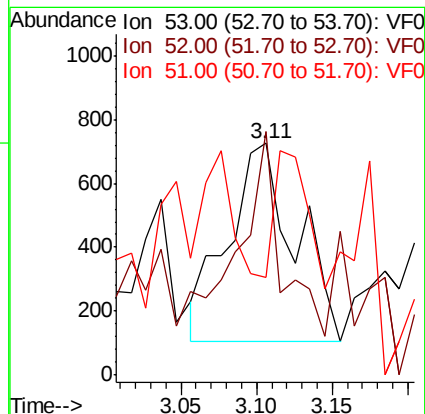
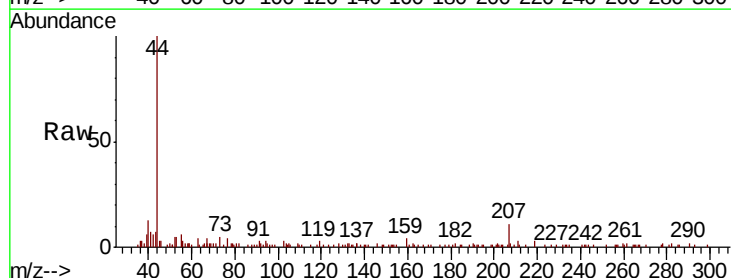
Tgt Ion: 53 Resp: 1931

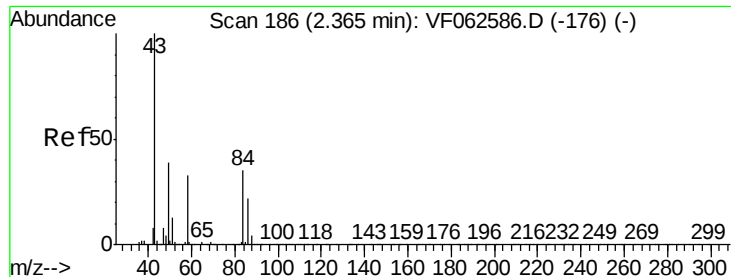
Ion Ratio Lower Upper

53 100

52 105.1 68.3 102.5#

51 42.3 31.5 47.3





#16

Acetone

Concen: 74.333 ug/l

RT: 2.36 min Scan# 185

Delta R.T. -0.01 min

Lab File: VF062593.D

Acq: 14 May 2019 21:37

Instrument :

MSVOA_F

ClientSampleId :

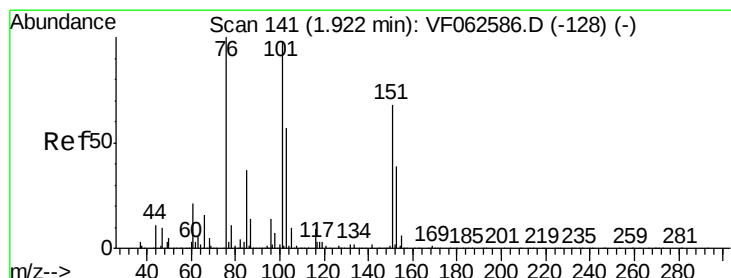
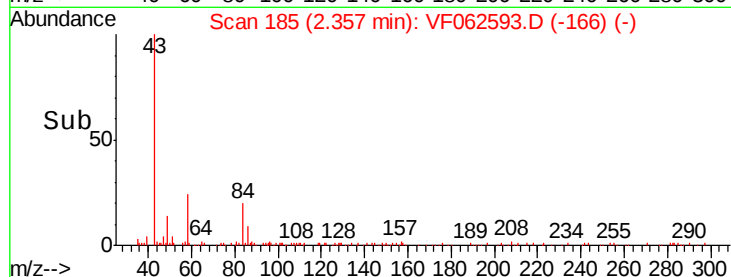
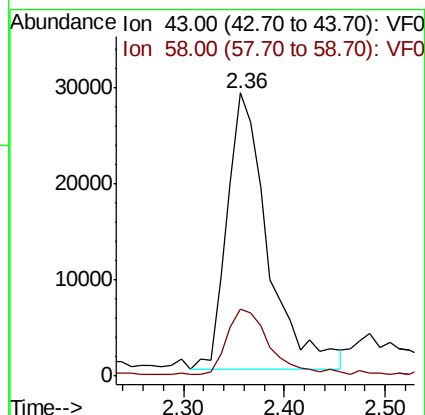
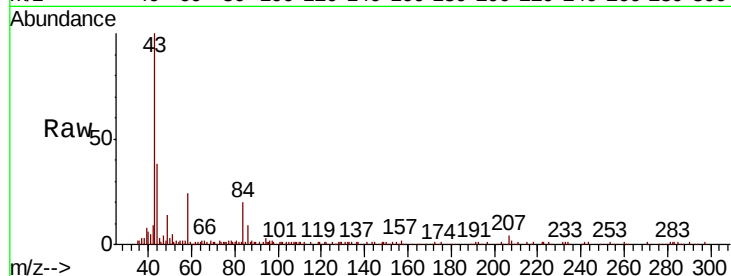
RT-2683-RT-5156

Tot Ion: 43 Resp: 81158

Ion Ratio Lower Upper

43 100

58 23.7 26.7 40.1#



#17

Carbon Disulfide

Concen: Below Cal

RT: 1.92 min Scan# 141

Delta R.T. 0.00 min

Lab File: VF062593.D

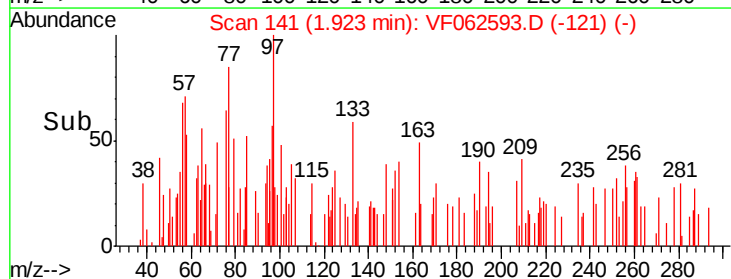
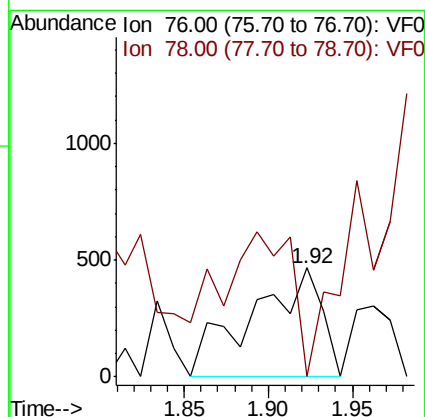
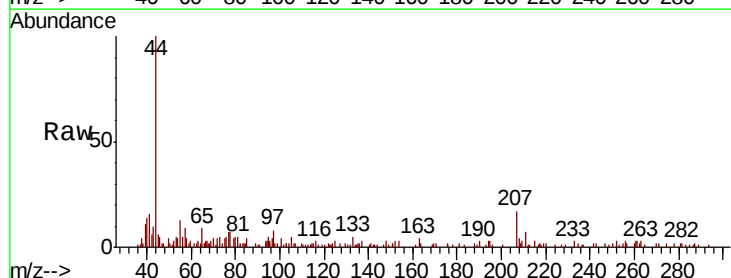
Acq: 14 May 2019 21:37

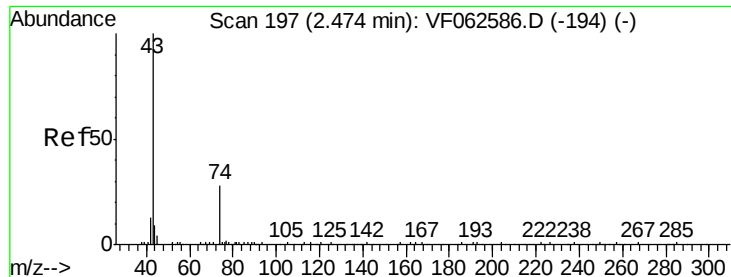
Tgt Ion: 76 Resp: 1349

Ion Ratio Lower Upper

76 100

78 0.0 9.0 13.4#

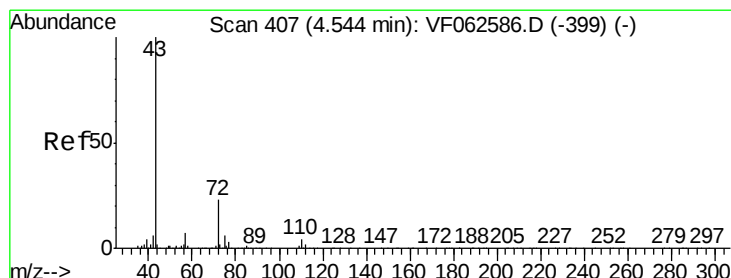
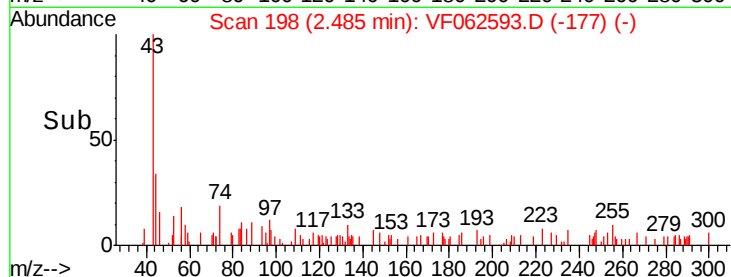
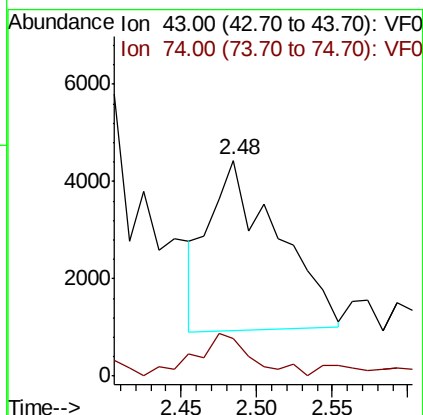
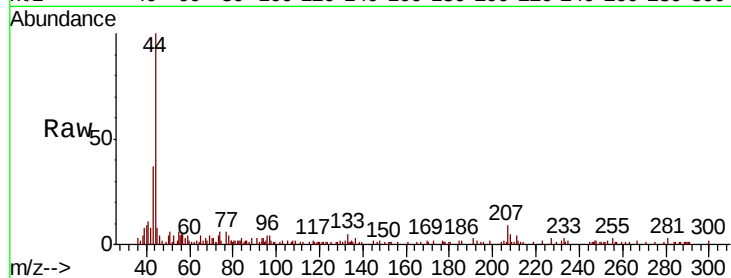




#18
Methyl Acetate
Concen: Below Cal
RT: 2.48 min Scan# 198
Delta R.T. 0.01 min
Lab File: VF062593.D
Acq: 14 May 2019 21:37

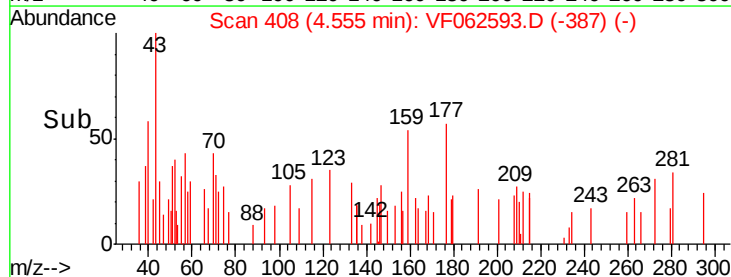
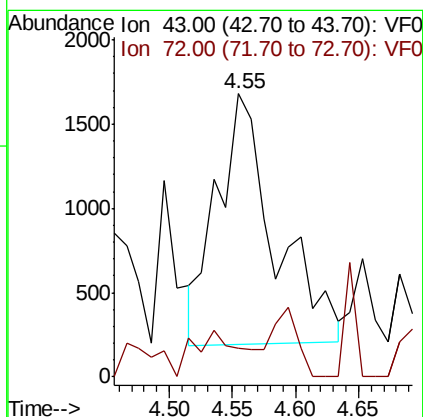
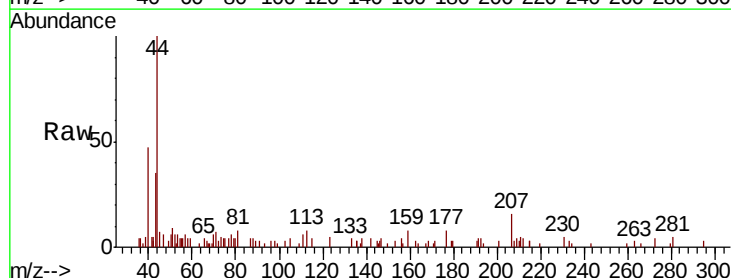
Instrument :
MSVOA_F
ClientSampleId :
RT-2683-RT-5156

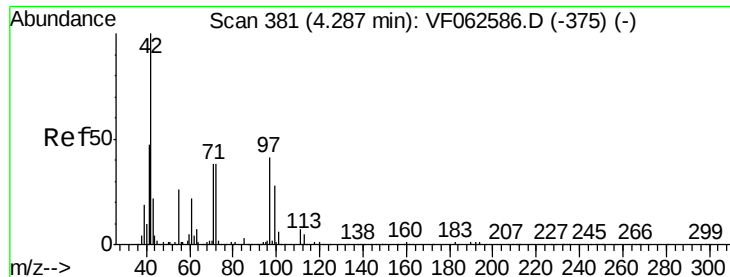
Tot Ion: 43 Resp: 10934
Ion Ratio Lower Upper
43 100
74 17.4 21.4 32.0#



#25
2-Butanone
Concen: 1.922 ug/l
RT: 4.55 min Scan# 408
Delta R.T. 0.01 min
Lab File: VF062593.D
Acq: 14 May 2019 21:37

Tgt Ion: 43 Resp: 4743
Ion Ratio Lower Upper
43 100
72 9.9 18.5 27.7#





#29

Tetrahydrofuran

Concen: 2.365 ug/l

RT: 4.30 min Scan# 382

Delta R.T. 0.01 min

Lab File: VF062593.D

Acq: 14 May 2019 21:37

Instrument :

MSVOA_F

ClientSampleId :

RT-2683-RT-5156

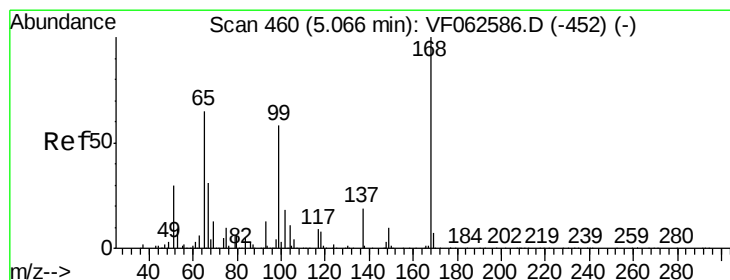
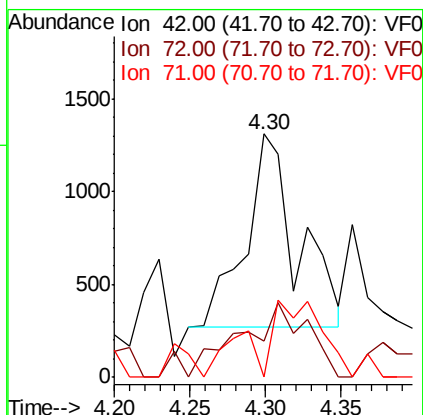
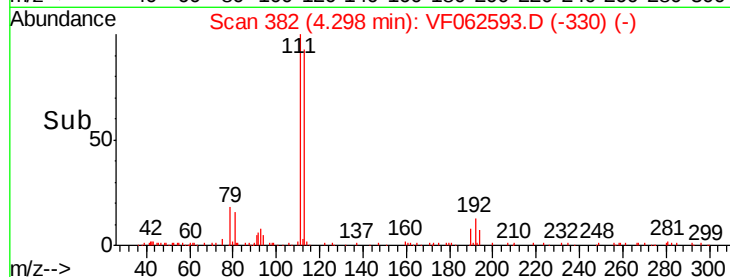
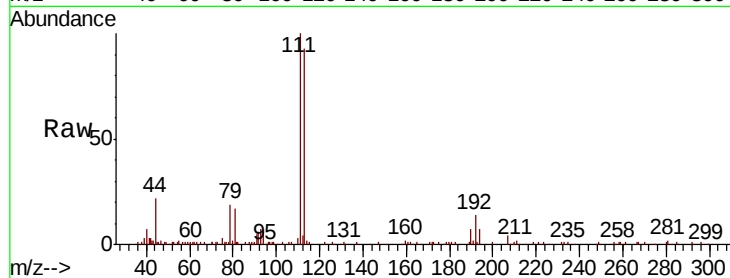
Tot Ion: 42 Resp: 2470

Ion Ratio Lower Upper

42 100

72 53.4 34.0 51.0#

71 54.1 32.8 49.2#



#33

1,2-Dichloroethane-d4

Concen: 37.817 ug/l

RT: 5.06 min Scan# 459

Delta R.T. -0.01 min

Lab File: VF062593.D

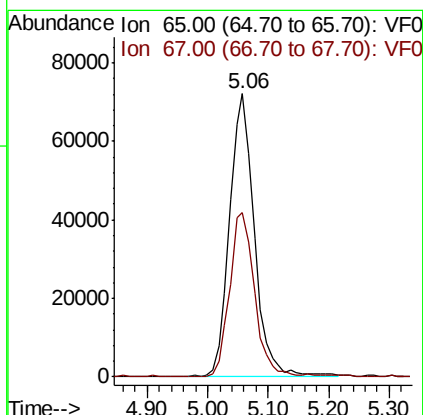
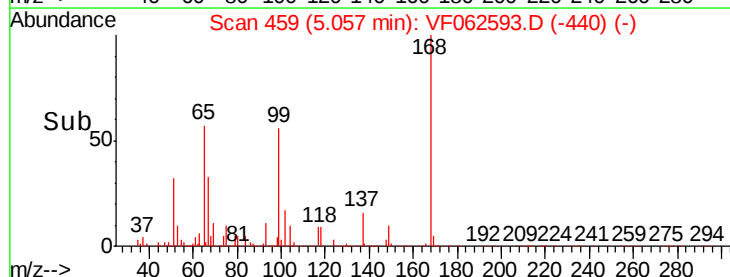
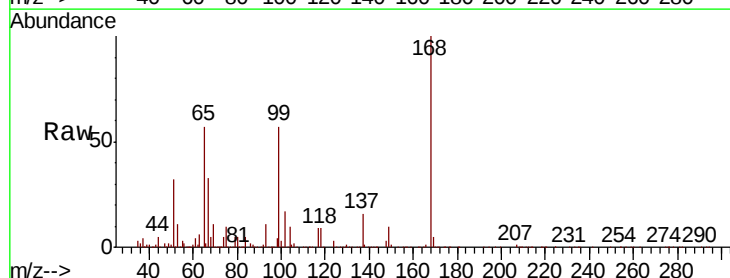
Acq: 14 May 2019 21:37

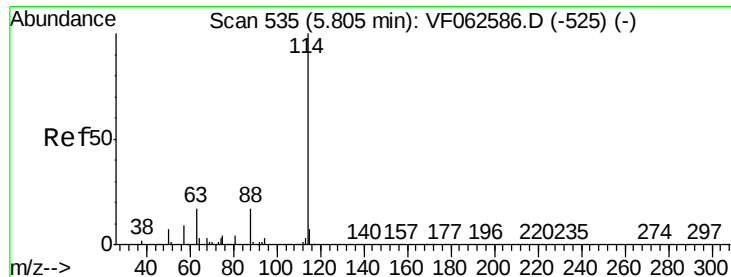
Tgt Ion: 65 Resp: 203481

Ion Ratio Lower Upper

65 100

67 58.2 0.0 116.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.80 min Scan# 534

Delta R.T. -0.01 min

Lab File: VF062593.D

Acq: 14 May 2019 21:37

Instrument :

MSVOA_F

ClientSampleId :

RT-2683-RT-5156

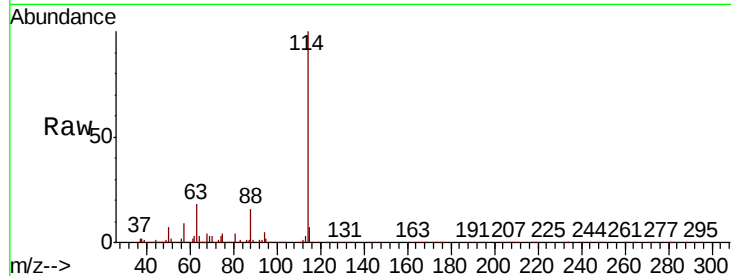
Tot Ion:114 Resp: 1161106

Ion Ratio Lower Upper

114 100

63 18.3 0.0 34.6

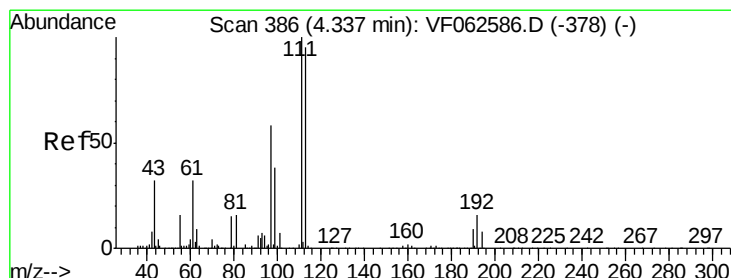
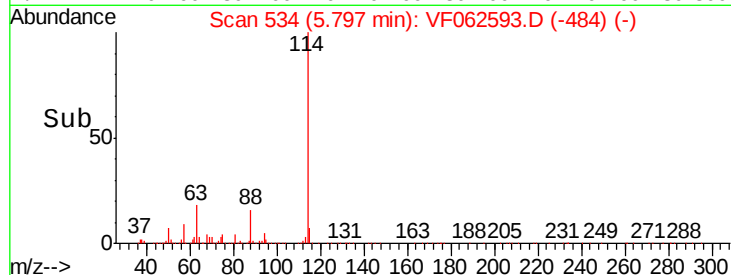
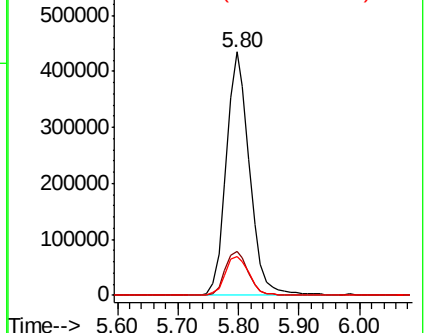
88 16.2 0.0 33.6



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: 39.556 ug/l

RT: 4.33 min Scan# 385

Delta R.T. -0.01 min

Lab File: VF062593.D

Acq: 14 May 2019 21:37

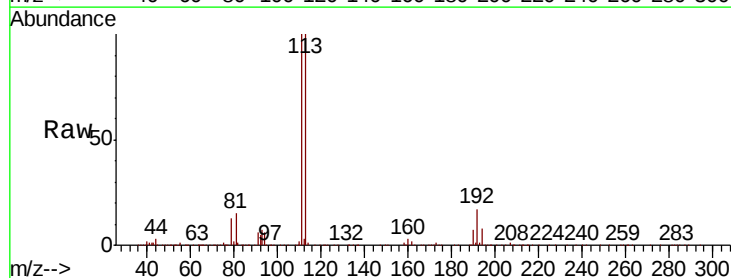
Tgt Ion:113 Resp: 341837

Ion Ratio Lower Upper

113 100

111 100.4 83.9 125.9

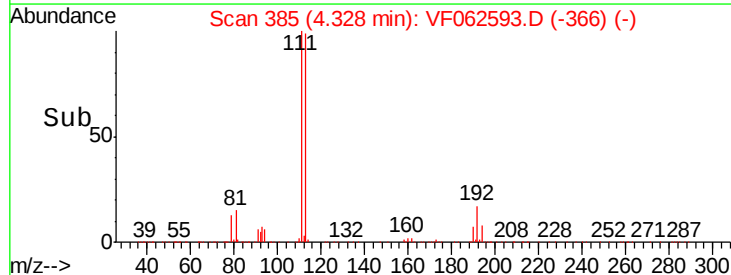
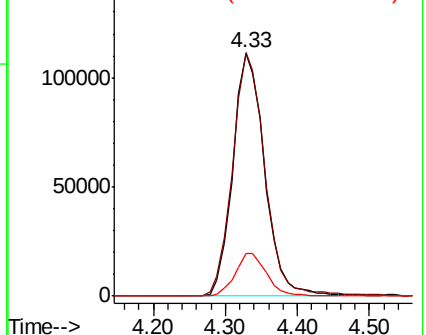
192 17.7 13.7 20.5

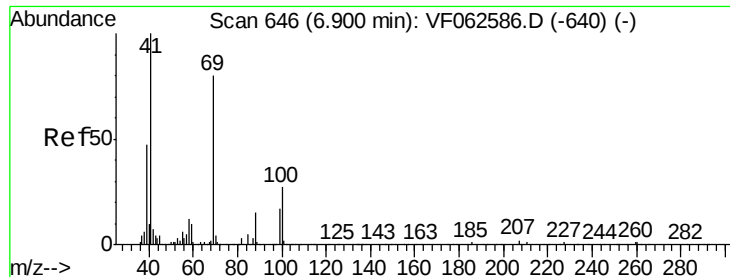


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

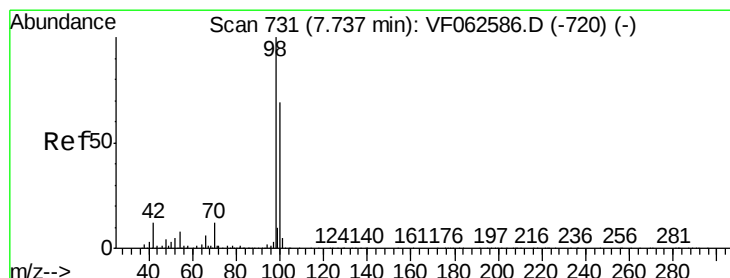
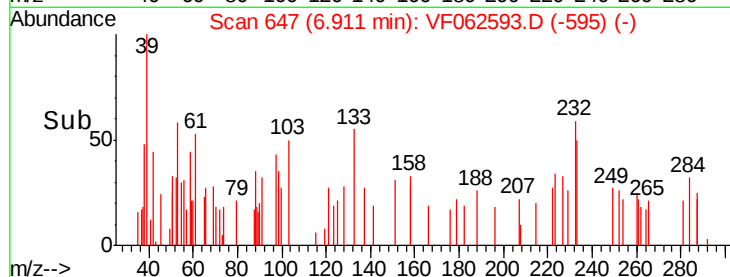
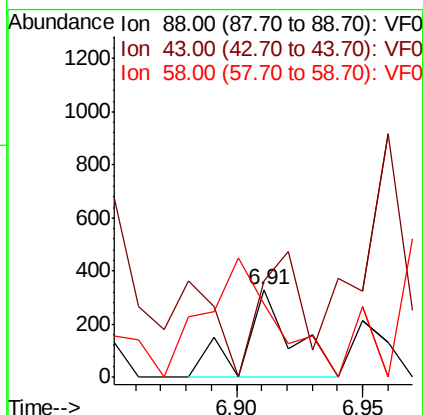
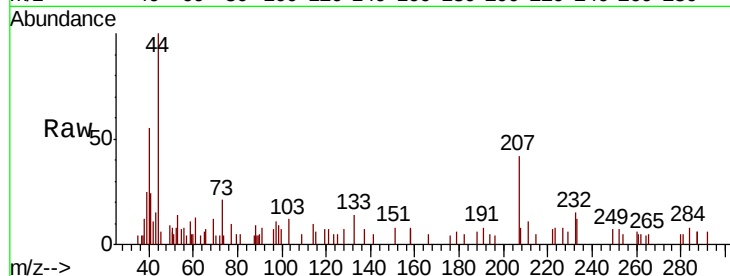




#49
1,4-Dioxane
Concen: 12.514 ug/l
RT: 6.91 min Scan# 647
Delta R.T. 0.01 min
Lab File: VF062593.D
Acq: 14 May 2019 21:37

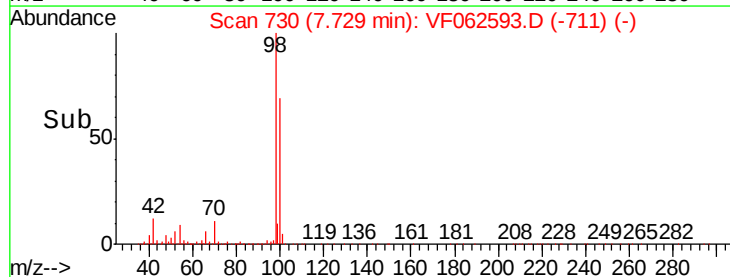
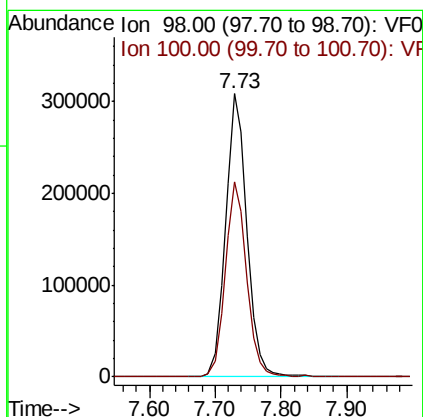
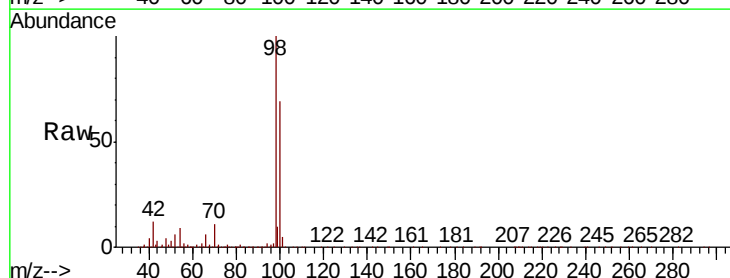
Instrument :
MSVOA_F
ClientSampleId :
RT-2683-RT-5156

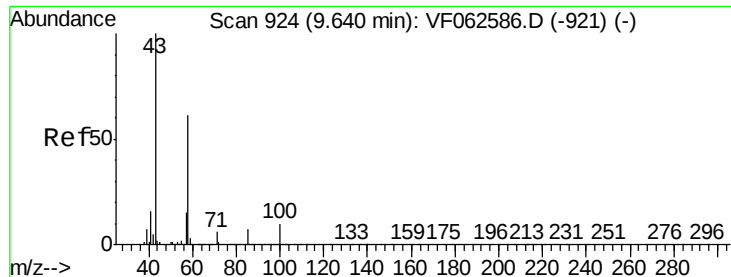
Tot Ion: 88 Resp: 441
Ion Ratio Lower Upper
88 100
43 110.3 28.8 43.2#
58 83.6 60.6 90.8



#50
Toluene-d8
Concen: 34.520 ug/l
RT: 7.73 min Scan# 730
Delta R.T. -0.01 min
Lab File: VF062593.D
Acq: 14 May 2019 21:37

Tgt Ion: 98 Resp: 702952
Ion Ratio Lower Upper
98 100
100 69.0 55.4 83.0

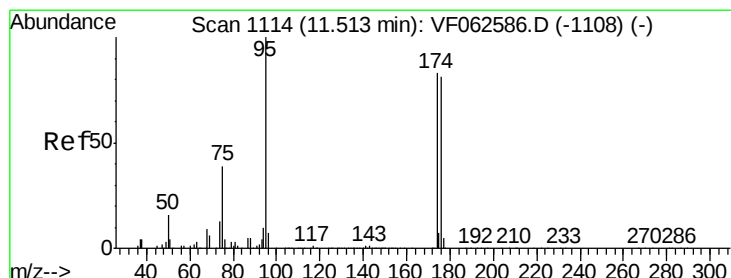
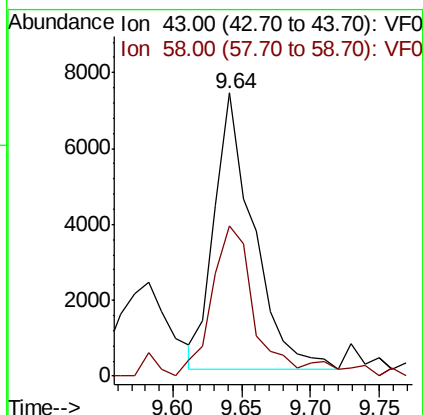
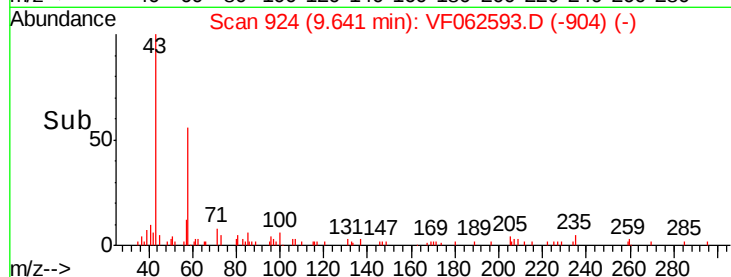
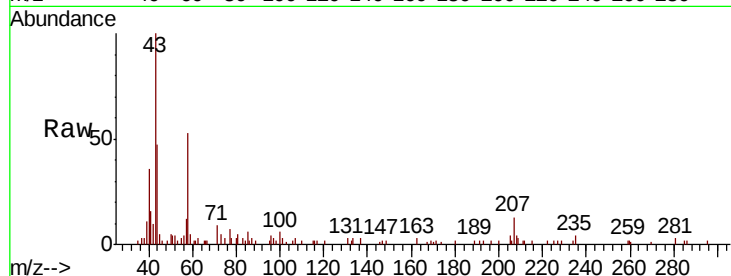




#59
2-Hexanone
Concen: 6.105 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.00 min
Lab File: VF062593.D
Acq: 14 May 2019 21:37

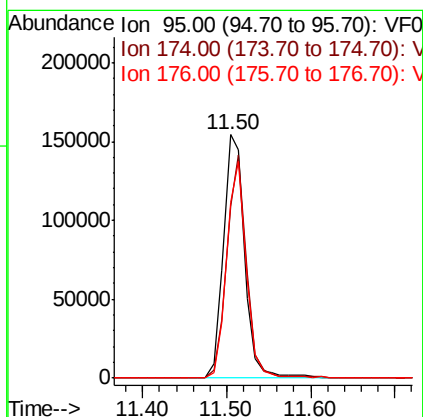
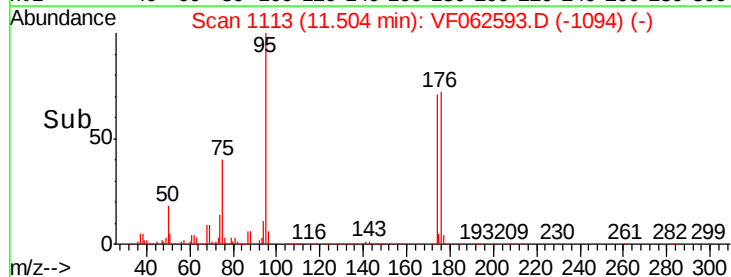
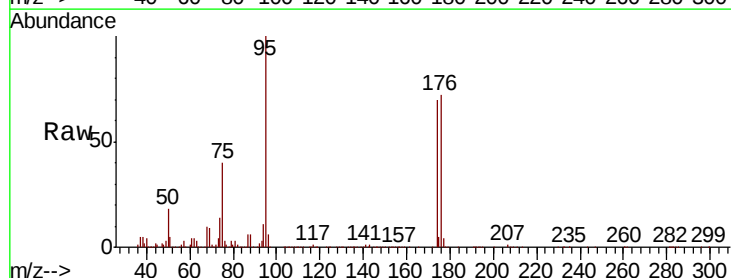
Instrument :
MSVOA_F
ClientSampleId :
RT-2683-RT-5156

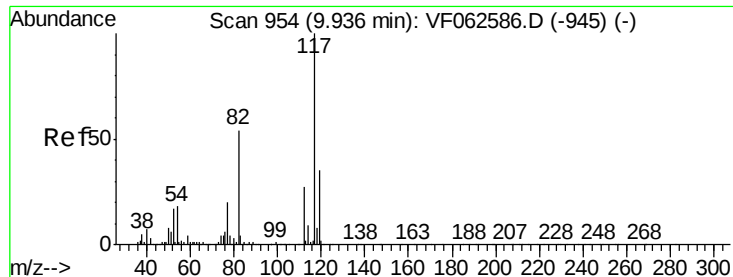
Tot Ion: 43 Resp: 14434
Ion Ratio Lower Upper
43 100
58 53.0 28.7 86.3



#62
4-Bromofluorobenzene
Concen: 37.994 ug/l
RT: 11.50 min Scan# 1113
Delta R.T. -0.01 min
Lab File: VF062593.D
Acq: 14 May 2019 21:37

Tgt Ion: 95 Resp: 270207
Ion Ratio Lower Upper
95 100
174 70.5 0.0 166.6
176 72.1 0.0 161.8

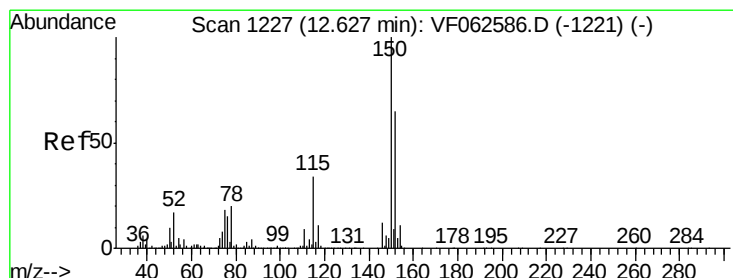
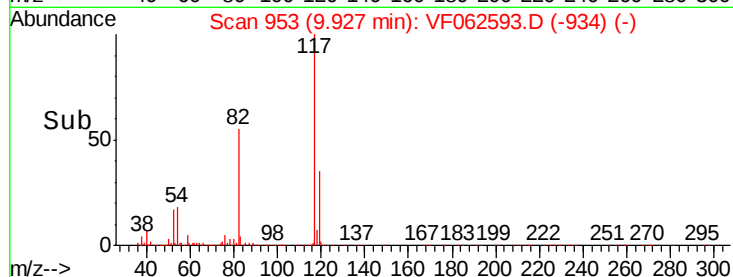
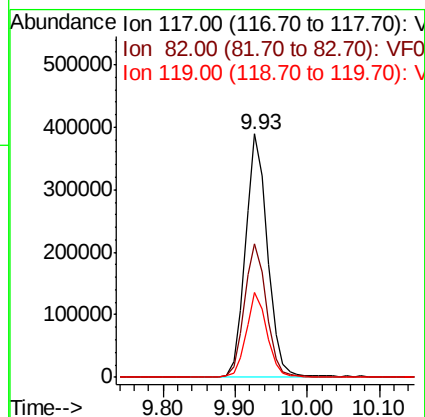
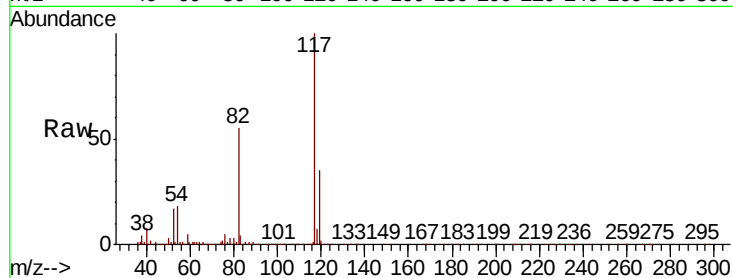




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 953
Delta R.T. -0.01 min
Lab File: VF062593.D
Acq: 14 May 2019 21:37

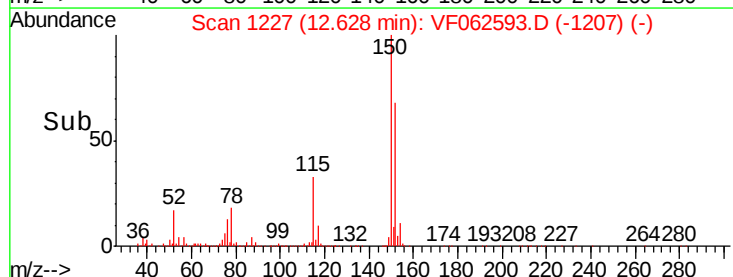
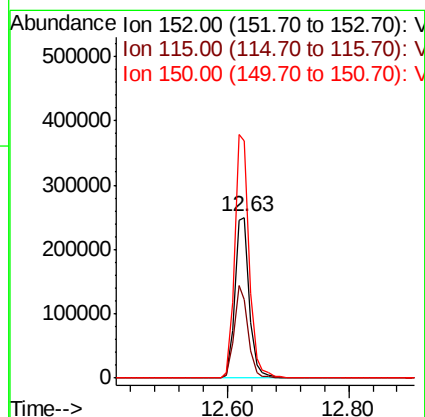
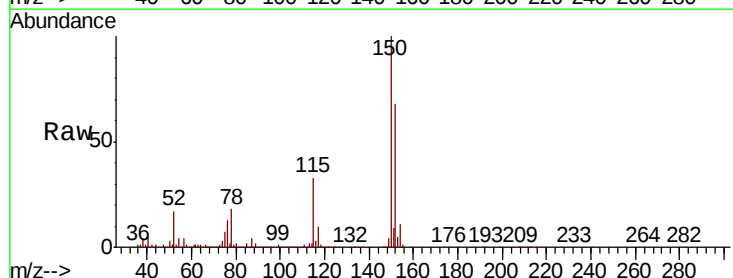
Instrument :
MSVOA_F
ClientSampleId :
RT-2683-RT-5156

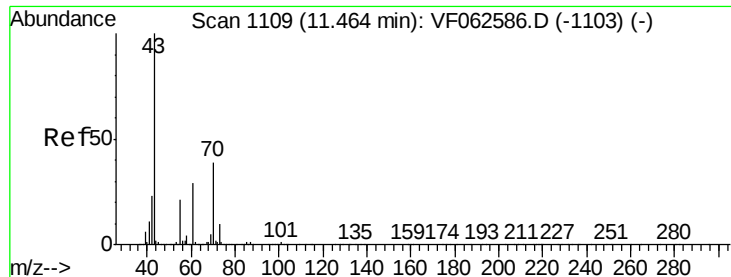
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.9	43.4	65.0
119	34.7	27.7	41.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. 0.00 min
Lab File: VF062593.D
Acq: 14 May 2019 21:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	48.8	26.2	78.6
150	147.2	0.0	316.0





#74

N-amvl acetate

Concen: 2.313 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VF062593.D

Acq: 14 May 2019 21:37

Instrument :

MSVOA_F

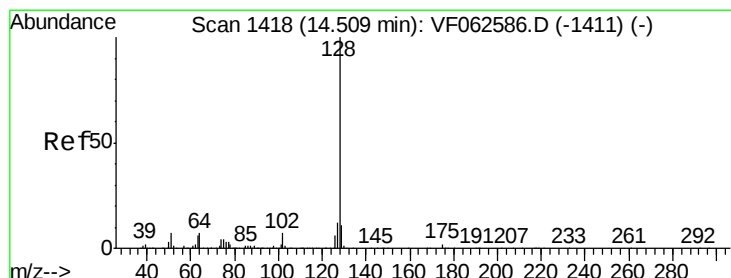
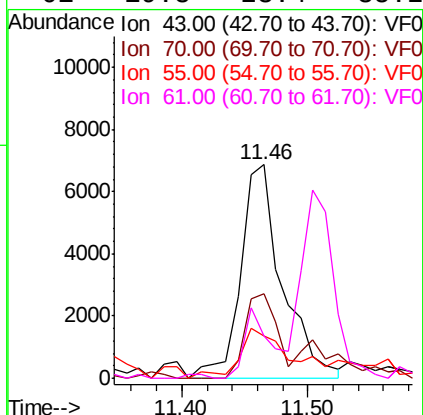
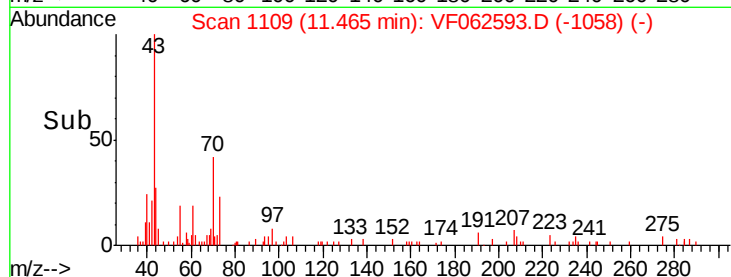
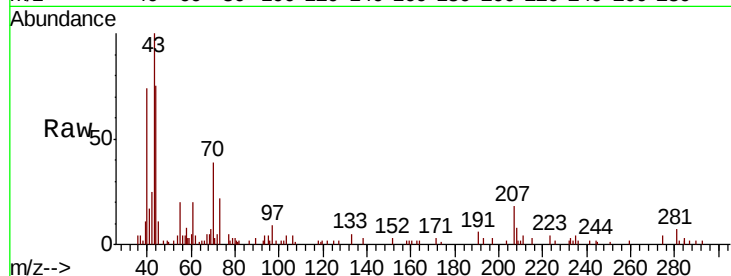
ClientSampleId :

RT-2683-RT-5156

Tot Ion: 43 Resp: 15745

Ion Ratio Lower Upper

43	100		
70	39.4	31.0	46.4
55	20.0	16.7	25.1
61	19.8	23.4	35.2#



#95

Naphthalene

Concen: 1.416 ug/l

RT: 14.50 min Scan# 1417

Delta R.T. -0.01 min

Lab File: VF062593.D

Acq: 14 May 2019 21:37

Tgt Ion: 128 Resp: 17614

Ion Ratio Lower Upper

128	100		
127	11.7	9.5	14.3
129	11.2	8.6	13.0

