

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011119\
 Data File : VF061370.D
 Acq On : 11 Jan 2019 16:11
 Operator : VA/AP
 Sample : K1119-07
 Misc : 5.51µ/5mL/MSVOA-F/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 DS-D

Quant Time: Jan 12 03:33:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 07:13:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	9359	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.58	114	13186	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.76	117	8756	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.54	152	2843	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.83	65	2435	23.38	ug/l	-0.02
Spiked Amount			Recovery	=	46.76%	
35) Dibromofluoromethane	4.09	113	2837	28.12	ug/l	-0.02
Spiked Amount			Recovery	=	56.24%	
50) Toluene-d8	7.53	98	16573	55.51	ug/l	-0.03
Spiked Amount			Recovery	=	111.02%	
62) 4-Bromofluorobenzene	11.40	95	3936	30.19	ug/l	-0.01
Spiked Amount			Recovery	=	60.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.27	94	93	3.642	ug/l #	6
6) Chloroethane	1.30	64	86	1.282	ug/l #	45
8) Diethyl Ether	1.72	74	146	4.269	ug/l	54
11) Tert butyl alcohol	2.46	59	81	19.421	ug/l #	58
13) Acrolein	1.89	56	404	74.170	ug/l	88
14) Allyl chloride	2.07	41	498	2.770	ug/l #	9
15) Acrylonitrile	2.93	53	60	4.058	ug/l #	1
16) Acetone	2.25	43	542	22.366	ug/l	97
18) Methyl Acetate	2.32	43	507	10.634	ug/l #	65
20) Methylene Chloride	2.19	84	327	3.190	ug/l #	69
22) Diisopropyl ether	2.77	45	441	1.268	ug/l #	39
23) Vinyl Acetate	3.18	43	465	4.572	ug/l #	77
25) 2-Butanone	4.29	43	270	6.923	ug/l #	56
29) Tetrahydrofuran	4.06	42	164	10.057	ug/l #	36
37) Ethyl Acetate	4.04	43	347	6.188	ug/l #	1
39) Methylcyclohexane	5.45	83	214	1.111	ug/l #	79
41) Methacrylonitrile	4.72	41	281	8.974	ug/l #	24
42) 1,2-Dichloroethane	4.86	62	148	1.322	ug/l #	1
43) Isopropyl Acetate	6.91	43	166	2.242	ug/l #	45
48) Methyl methacrylate	6.71	41	204	4.245	ug/l #	21
51) 4-Methyl-2-Pentanone	8.23	43	165	2.953	ug/l #	38
52) Toluene	7.60	92	1175	5.085	ug/l	87
55) 1,1,2-Trichloroethane	8.33	97	101	1.562	ug/l #	15
56) Ethyl methacrylate	8.59	69	155	2.145	ug/l #	42
58) 2-Chloroethyl Vinyl ether	7.32	63	71	23.055	ug/l #	56
59) 2-Hexanone	9.46	43	129	3.259	ug/l #	27
67) Ethyl Benzene	9.89	91	960	2.816	ug/l #	48
68) m/p-Xylenes	10.11	106	1022	8.594	ug/l	79
69) o-Xylene	10.70	106	352	2.650	ug/l	60
73) Isopropylbenzene	11.10	105	395	1.579	ug/l #	49
74) N-amyl acetate	11.35	43	198	3.482	ug/l #	48
75) 1,1,2,2-Tetrachloroethane	11.66	83	176	4.437	ug/l #	21
78) n-propylbenzene	11.58	91	1345	4.509	ug/l #	55
79) 2-Chlorotoluene	11.70	91	764	4.597	ug/l #	41

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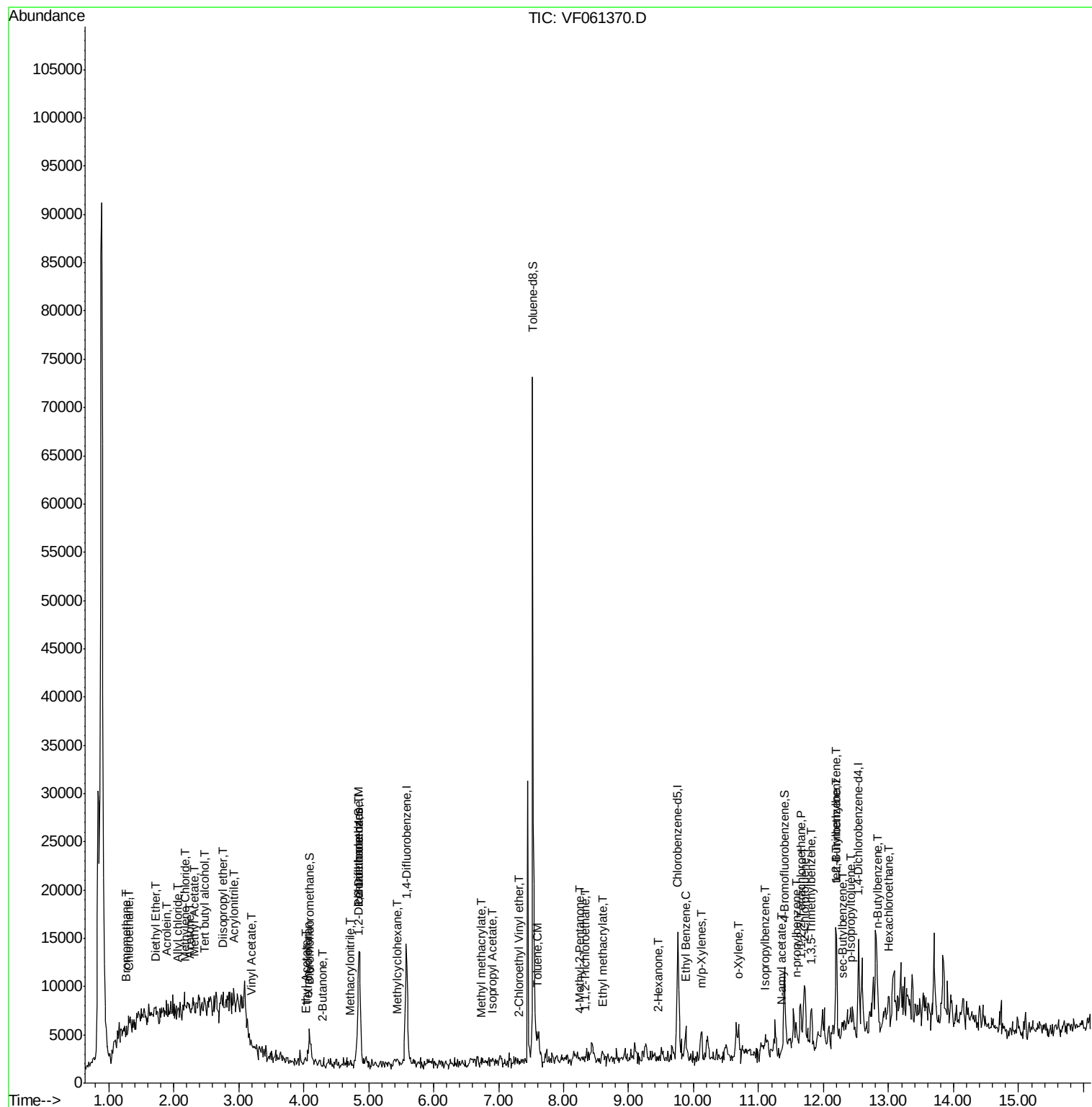
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) 1,3,5-Trimethylbenzene	11.81	105	1748	8.781	ug/l	91
83) tert-Butylbenzene	12.20	119	533	2.688	ug/l #	41
84) 1,2,4-Trimethylbenzene	12.19	105	4907	24.829	ug/l	93
85) sec-Butylbenzene	12.30	105	1298	4.597	ug/l	97
86) p-Isopropyltoluene	12.42	119	1172	5.103	ug/l	97
89) n-Butylbenzene	12.84	91	1465	6.208	ug/l #	63
90) Hexachloroethane	13.00	117	62	1.180	ug/l #	23

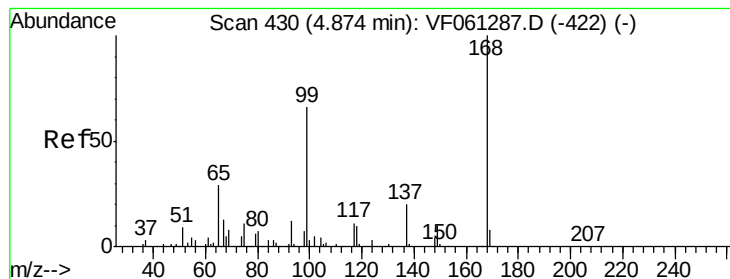
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF011119\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.01 min

Lab File: VF061370.D

Acq: 11 Jan 2019 16:11

Instrument :

MSVOA_F

ClientSampleId :

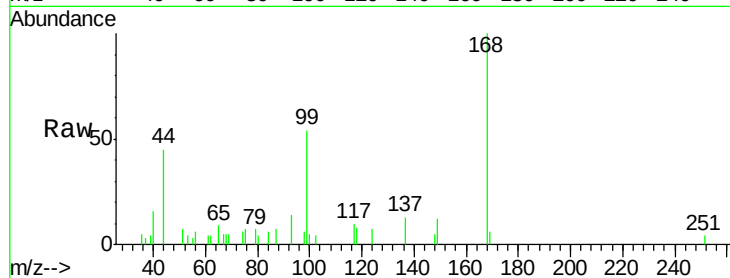
DS-D

Tot Ion:168 Resp: 9359

Ion Ratio Lower Upper

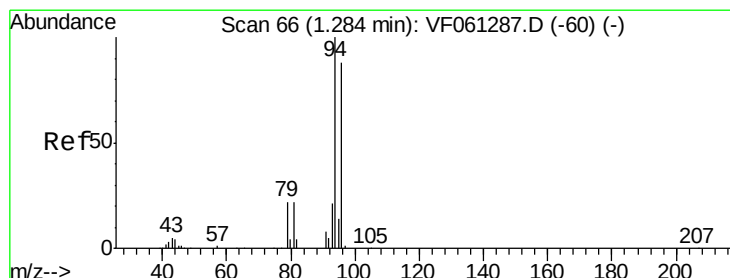
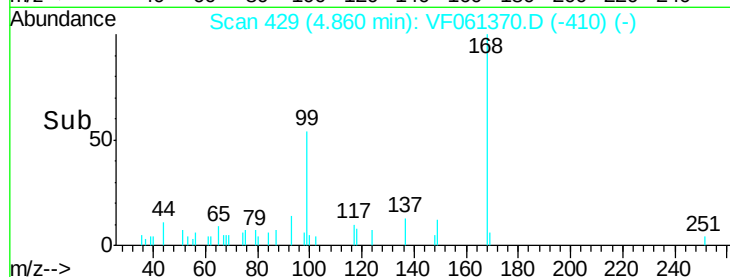
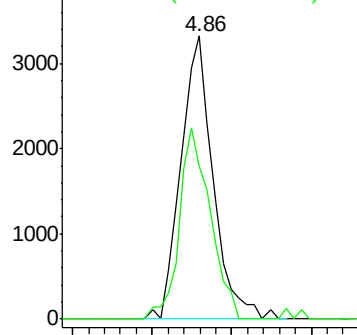
168 100

99 54.0 52.7 79.1



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#5

Bromomethane

Concen: 3.642 ug/l

RT: 1.27 min Scan# 65

Delta R.T. -0.01 min

Lab File: VF061370.D

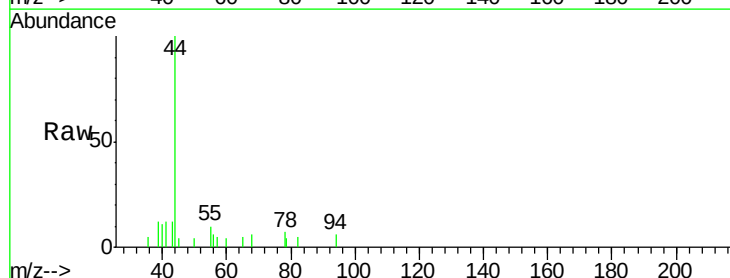
Acq: 11 Jan 2019 16:11

Tgt Ion: 94 Resp: 93

Ion Ratio Lower Upper

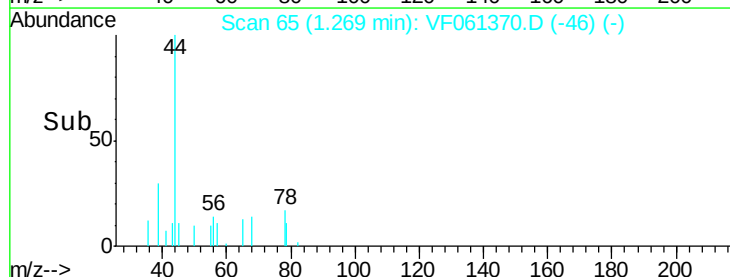
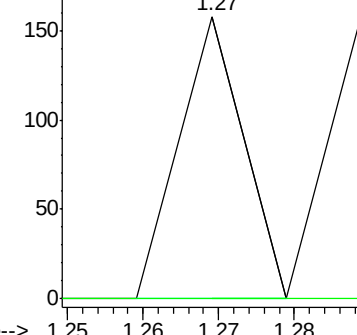
94 100

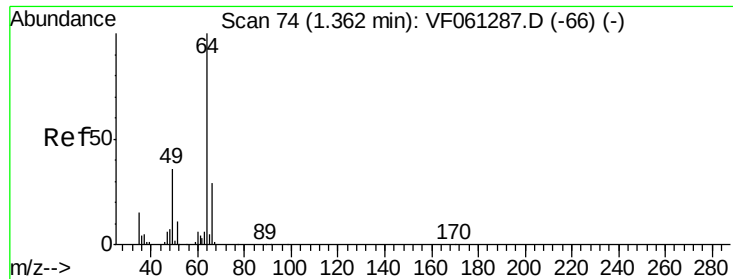
96 0.0 70.2 105.4#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0





#6

Chloroethane

Concen: 1.282 ug/l

RT: 1.30 min Scan# 68

Delta R.T. -0.06 min

Lab File: VF061370.D

Acq: 11 Jan 2019 16:11

Instrument :

MSVOA_F

ClientSampleId :

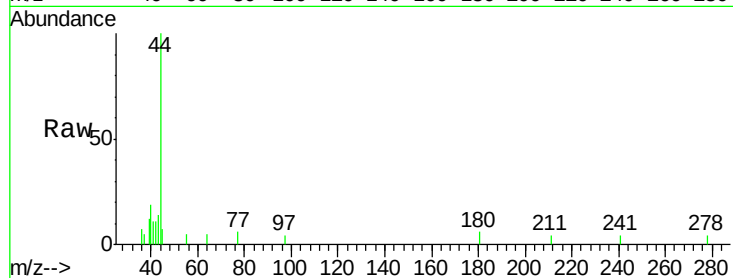
DS-D

Tot Ion: 64 Resp: 86

Ion Ratio Lower Upper

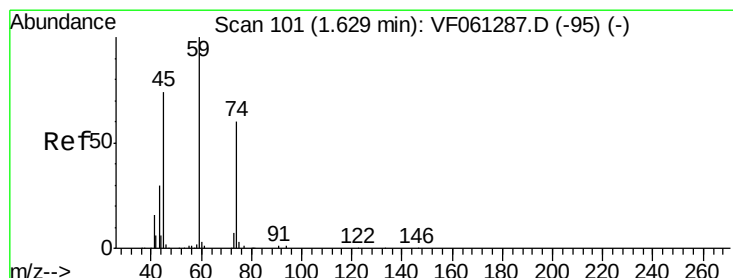
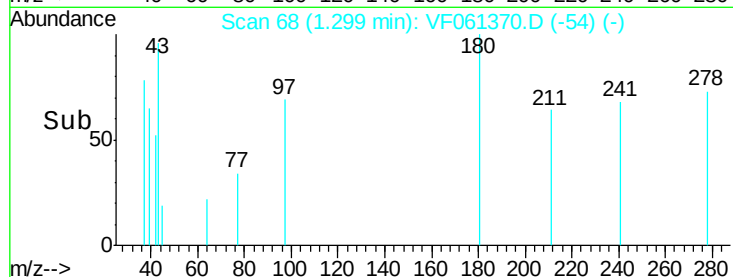
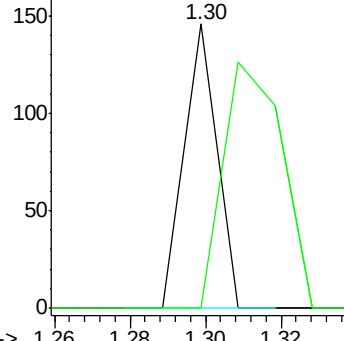
64 100

66 0.0 23.4 35.0#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0



#8

Diethyl Ether

Concen: 4.269 ug/l

RT: 1.72 min Scan# 111

Delta R.T. 0.09 min

Lab File: VF061370.D

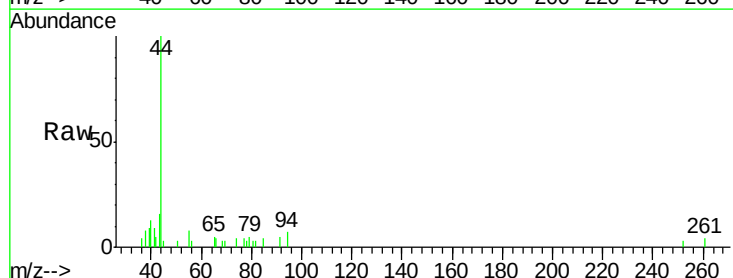
Acq: 11 Jan 2019 16:11

Tgt Ion: 74 Resp: 146

Ion Ratio Lower Upper

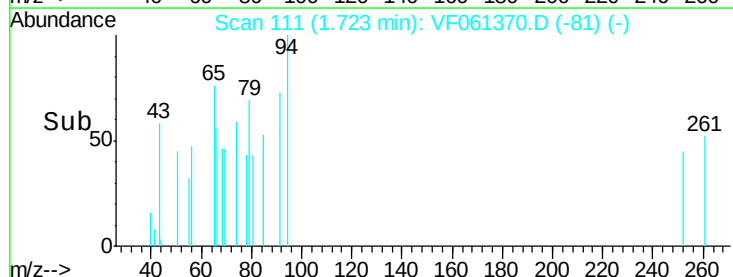
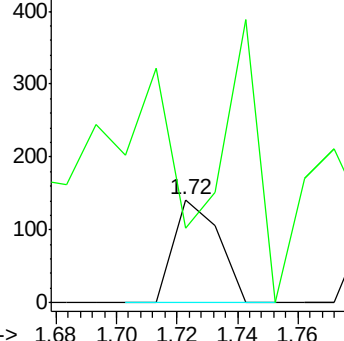
74 100

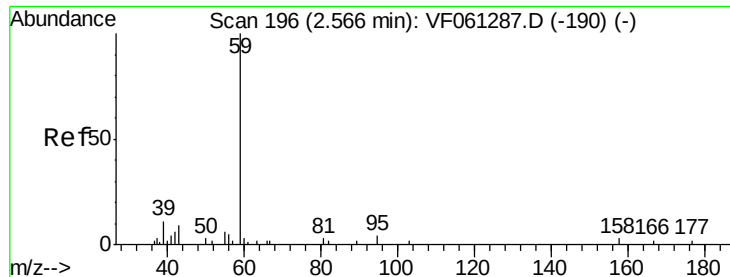
45 72.3 62.1 186.3



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

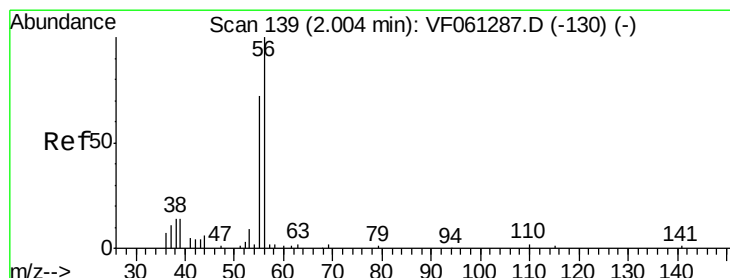
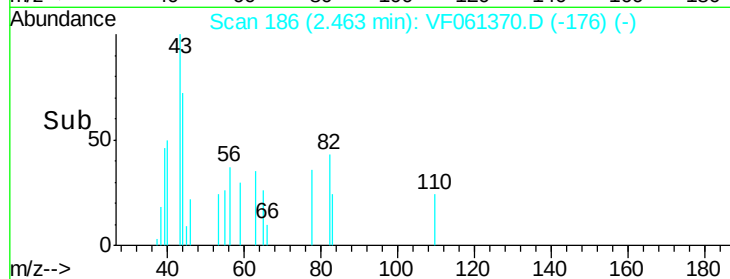
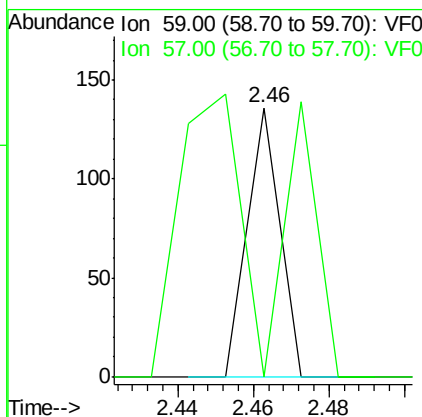
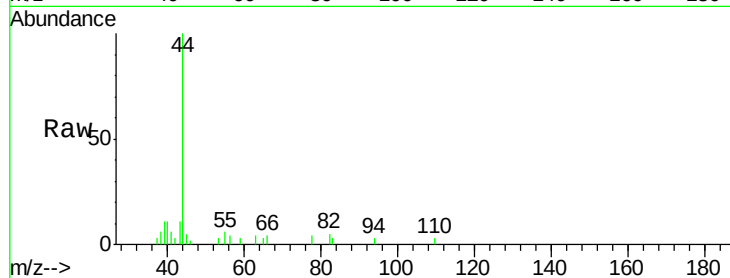




#11
Tert butyl alcohol
Concen: 19.421 ug/l
RT: 2.46 min Scan# 186
Delta R.T. -0.10 min
Lab File: VF061370.D
Acq: 11 Jan 2019 16:11

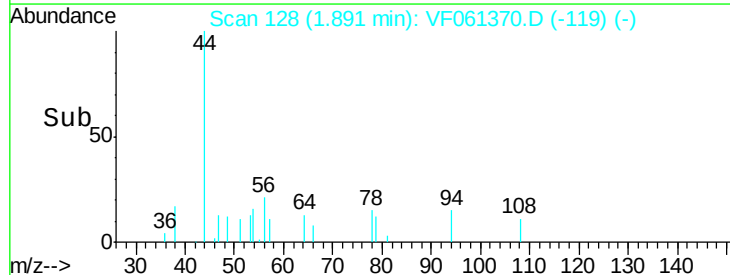
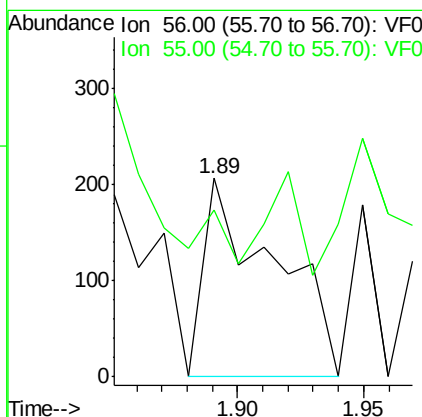
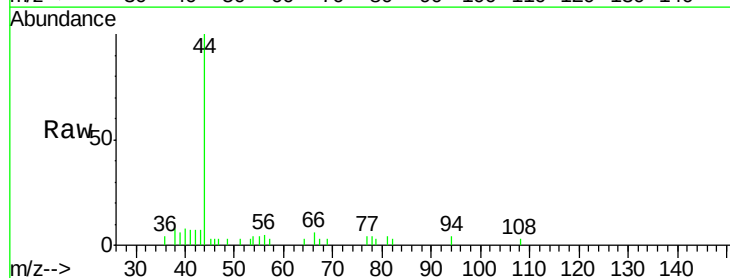
Instrument :
MSVOA_F
ClientSampleId :
DS-D

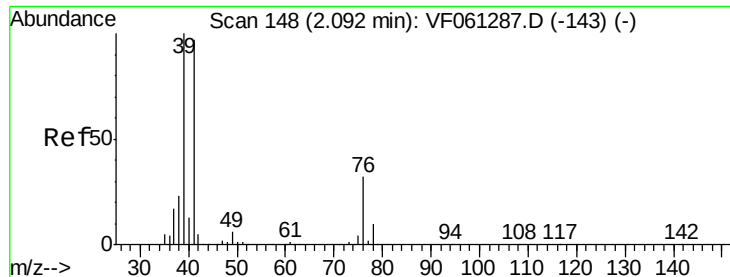
Tot Ion: 59 Resp: 81
Ion Ratio Lower Upper
59 100
57 0.0 15.1 22.7#



#13
Acrolein
Concen: 74.170 ug/l
RT: 1.89 min Scan# 128
Delta R.T. -0.11 min
Lab File: VF061370.D
Acq: 11 Jan 2019 16:11

Tgt Ion: 56 Resp: 404
Ion Ratio Lower Upper
56 100
55 84.0 59.4 89.0

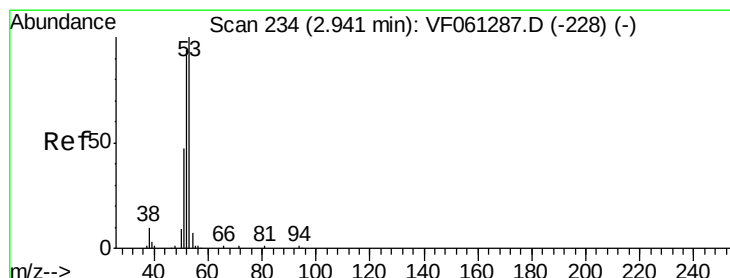
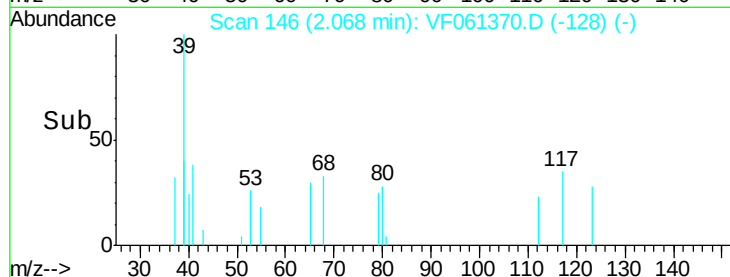
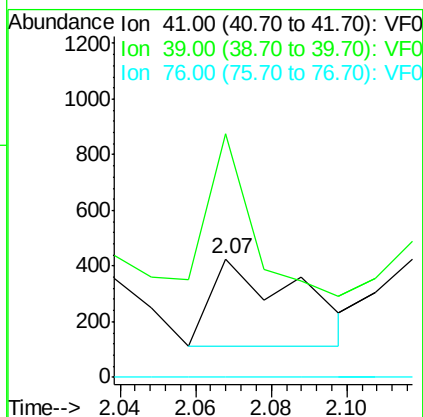
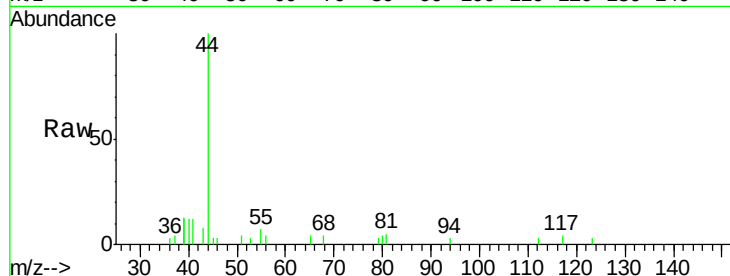




#14
Allvl chloride
Concen: 2.770 ug/l
RT: 2.07 min Scan# 146
Delta R.T. -0.02 min
Lab File: VF061370.D
Acq: 11 Jan 2019 16:11

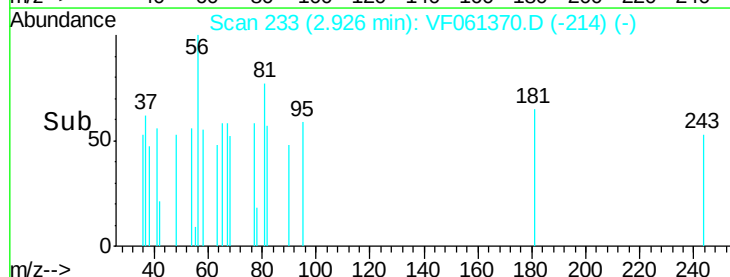
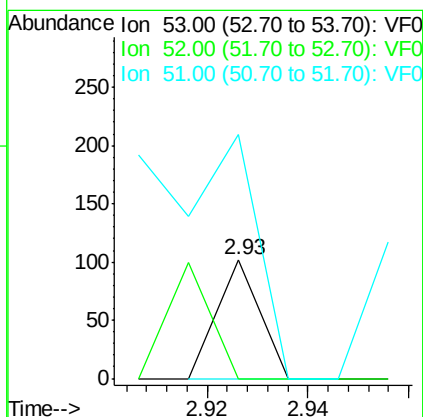
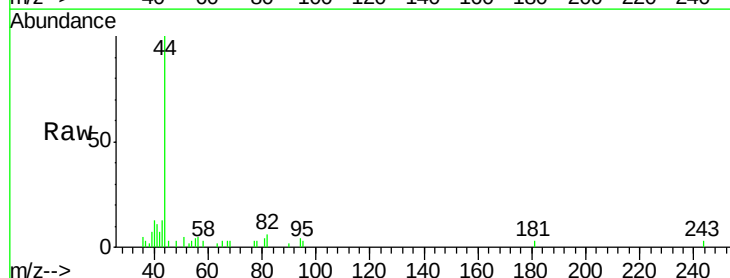
Instrument :
MSVOA_F
ClientSampleId :
DS-D

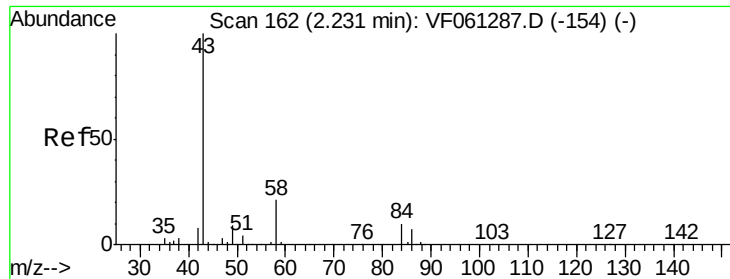
Tot Ion: 41 Resp: 498
Ion Ratio Lower Upper
41 100
39 205.9 82.6 123.8#
76 0.0 26.9 40.3#



#15
Acrylonitrile
Concen: 4.058 ug/l
RT: 2.93 min Scan# 233
Delta R.T. -0.01 min
Lab File: VF061370.D
Acq: 11 Jan 2019 16:11

Tgt Ion: 53 Resp: 60
Ion Ratio Lower Upper
53 100
52 0.0 74.6 111.8#
51 204.9 37.8 56.6#





#16

Acetone

Concen: 22.366 ug/l

RT: 2.25 min Scan# 164

Delta R.T. 0.02 min

Lab File: VF061370.D

Acq: 11 Jan 2019 16:11

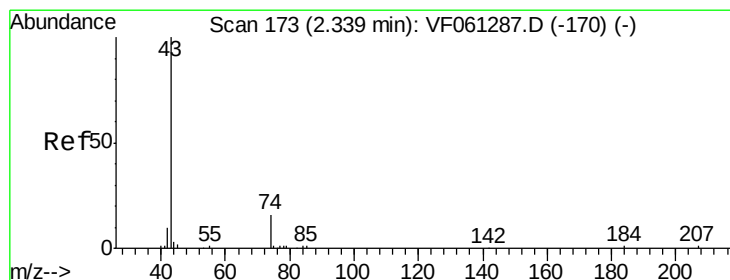
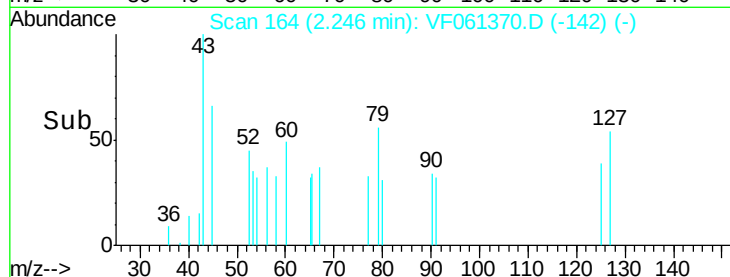
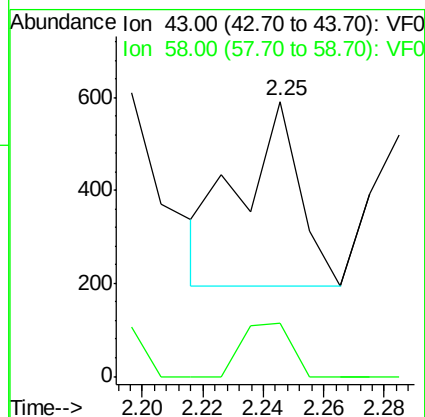
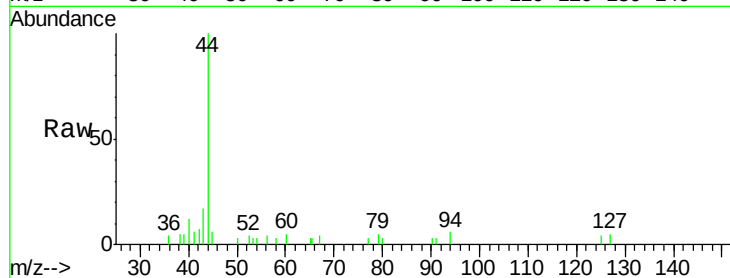
Instrument :
MSVOA_F
ClientSampleId :
DS-D

Tot Ion: 43 Resp: 542

Ion Ratio Lower Upper

43 100

58 19.3 16.6 25.0



#18

Methyl Acetate

Concen: 10.634 ug/l

RT: 2.32 min Scan# 172

Delta R.T. -0.01 min

Lab File: VF061370.D

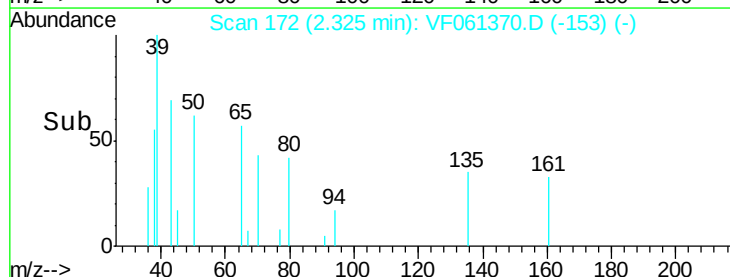
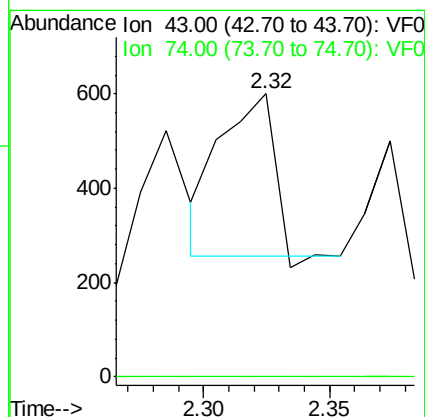
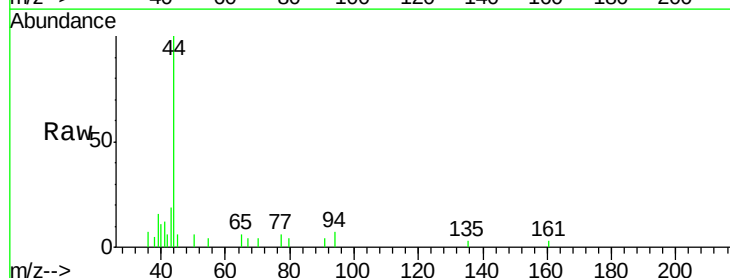
Acq: 11 Jan 2019 16:11

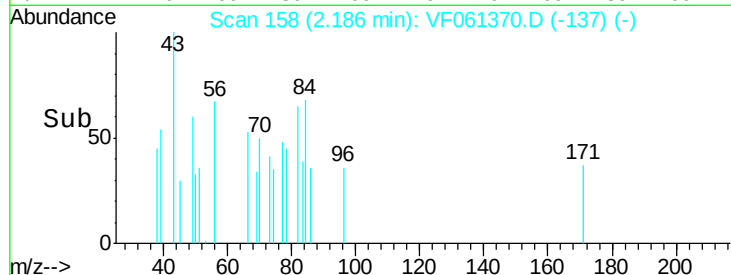
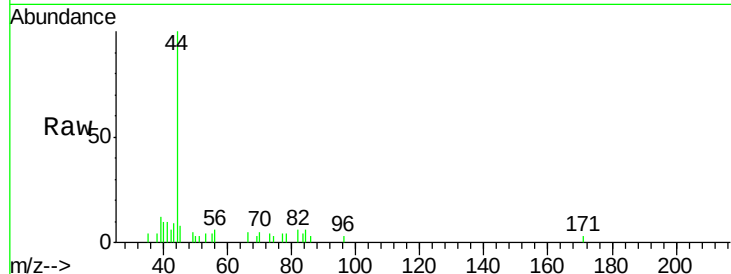
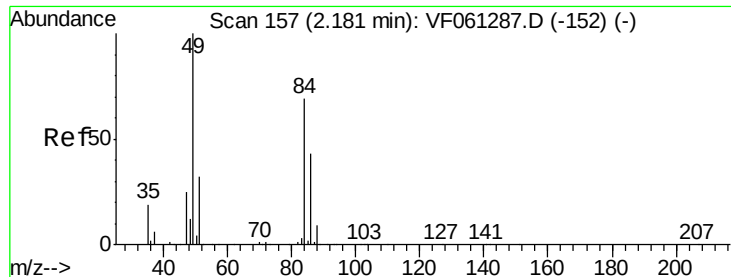
Tgt Ion: 43 Resp: 507

Ion Ratio Lower Upper

43 100

74 0.0 11.6 17.4#

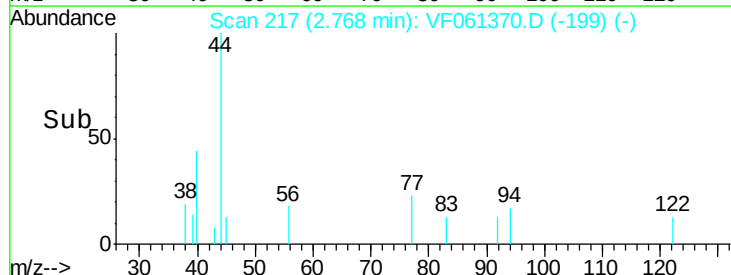
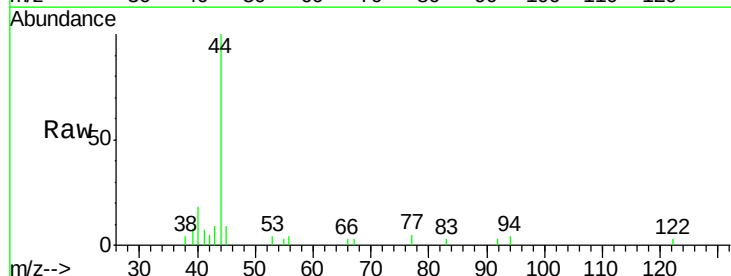
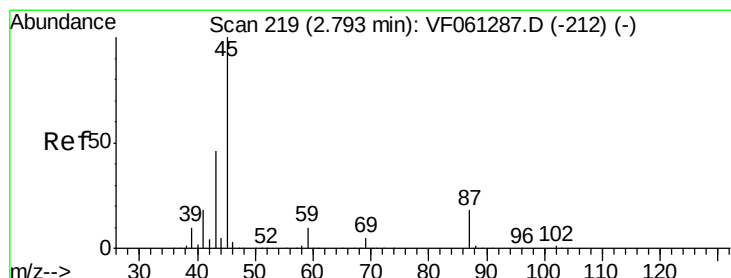
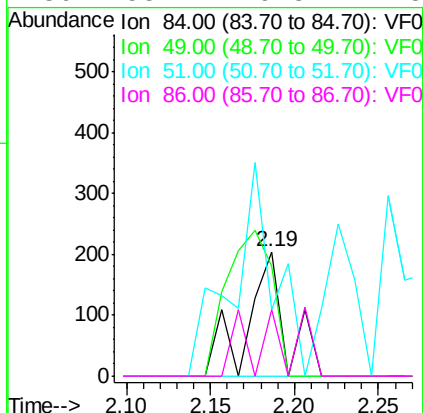




#20
Methvlene Chloride
Concen: 3.190 ug/l
RT: 2.19 min Scan# 158
Delta R.T. 0.01 min
Lab File: VF061370.D
Acq: 11 Jan 2019 16:11

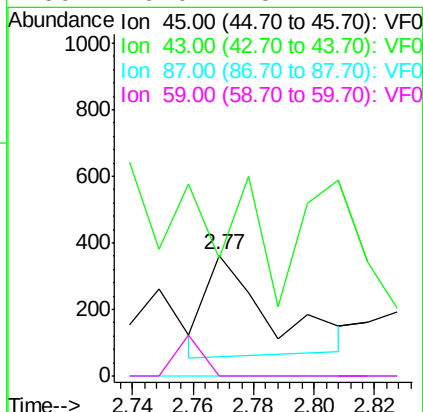
Instrument :
MSVOA_F
ClientSampleId :
DS-D

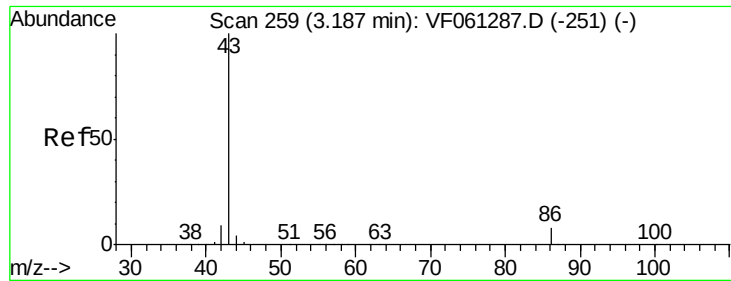
Tot Ion: 84 Resp: 327
Ion Ratio Lower Upper
84 100
49 88.7 116.6 175.0#
51 53.4 37.7 56.5
86 53.4 49.8 74.8



#22
Diisopropyl ether
Concen: 1.268 ug/l
RT: 2.77 min Scan# 217
Delta R.T. -0.02 min
Lab File: VF061370.D
Acq: 11 Jan 2019 16:11

Tgt Ion: 45 Resp: 441
Ion Ratio Lower Upper
45 100
43 97.8 37.4 56.2#
87 0.0 14.2 21.2#
59 0.0 8.2 12.2#





#23

Vinyl Acetate

Concen: 4.572 ug/l

RT: 3.18 min Scan# 259

Delta R.T. -0.00 min

Lab File: VF061370.D

Acq: 11 Jan 2019 16:11

Instrument :

MSVOA_F

ClientSampled :

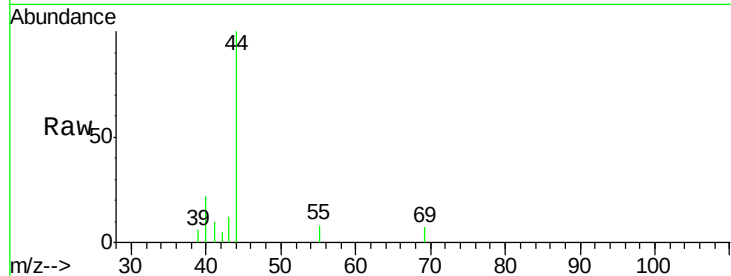
DS-D

Tot Ion: 43 Resp: 465

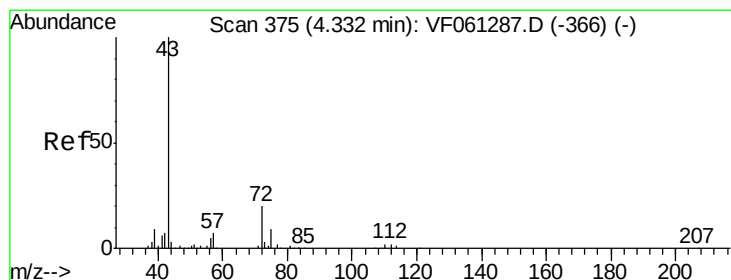
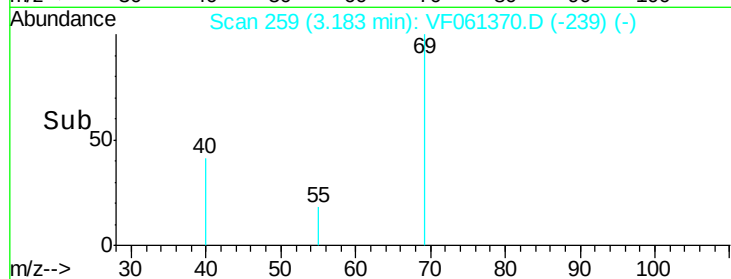
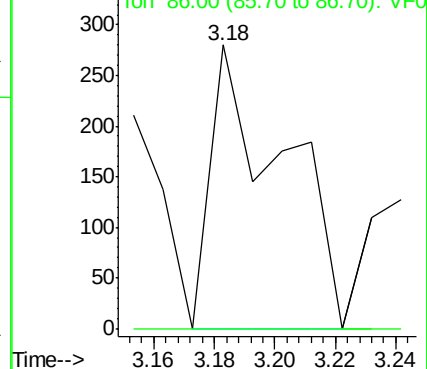
Ion Ratio Lower Upper

43 100

86 0.0 6.5 9.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0



#25

2-Butanone

Concen: 6.923 ug/l

RT: 4.29 min Scan# 371

Delta R.T. -0.04 min

Lab File: VF061370.D

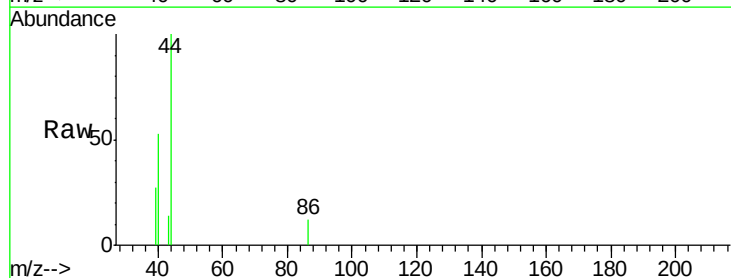
Acq: 11 Jan 2019 16:11

Tgt Ion: 43 Resp: 270

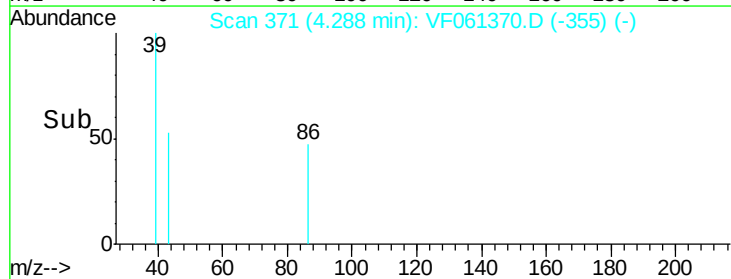
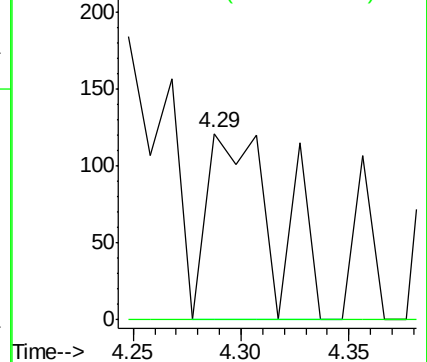
Ion Ratio Lower Upper

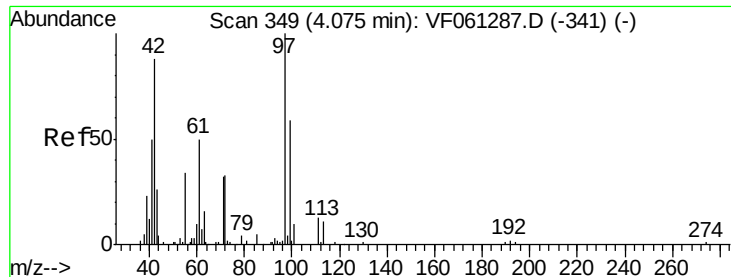
43 100

72 0.0 16.5 24.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0





#29

Tetrahydrofuran

Concen: 10.057 ug/l

RT: 4.06 min Scan# 348

Delta R.T. -0.01 min

Lab File: VF061370.D

Acq: 11 Jan 2019 16:11

Instrument :

MSVOA_F

ClientSampleId :

DS-D

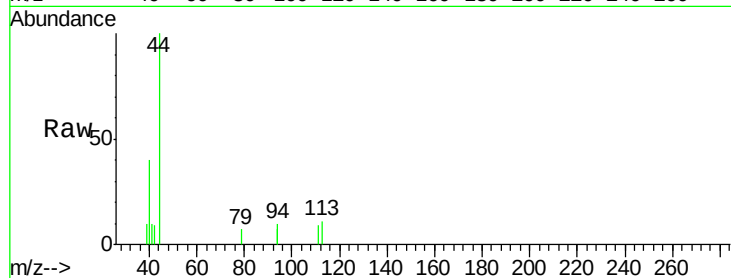
Tot Ion: 42 Resp: 164

Ion Ratio Lower Upper

42 100

72 0.0 32.3 48.5#

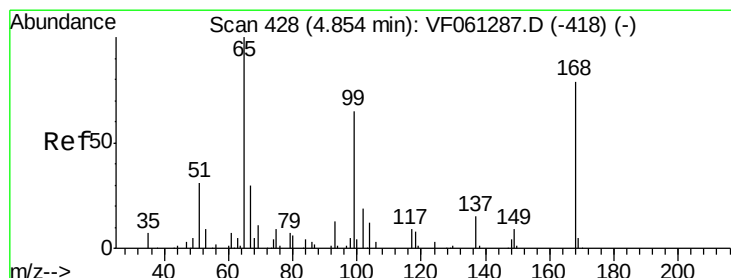
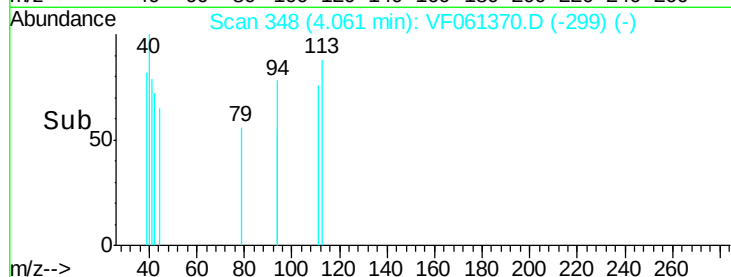
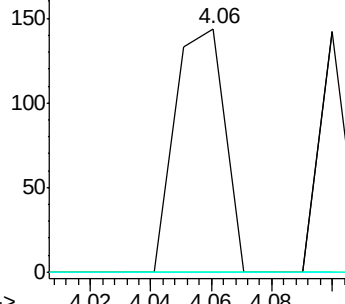
71 0.0 29.5 44.3#



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: 23.375 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.02 min

Lab File: VF061370.D

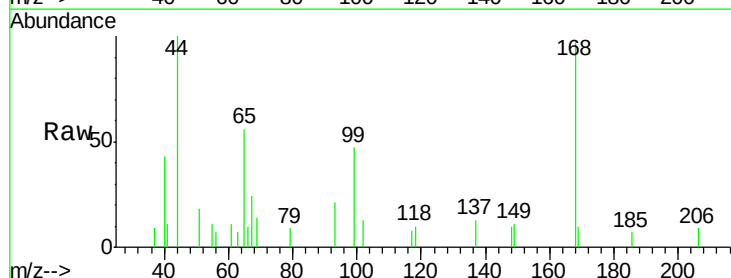
Acq: 11 Jan 2019 16:11

Tgt Ion: 65 Resp: 2435

Ion Ratio Lower Upper

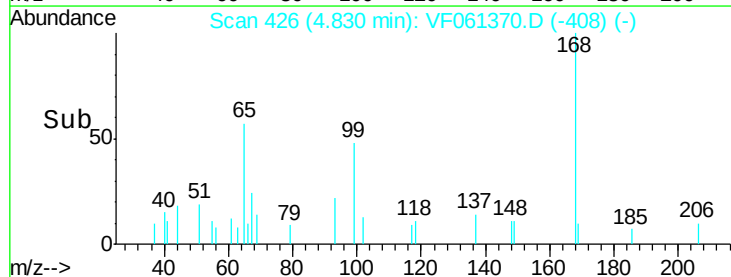
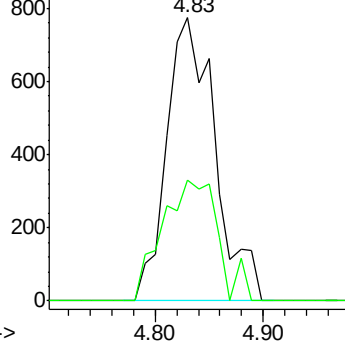
65 100

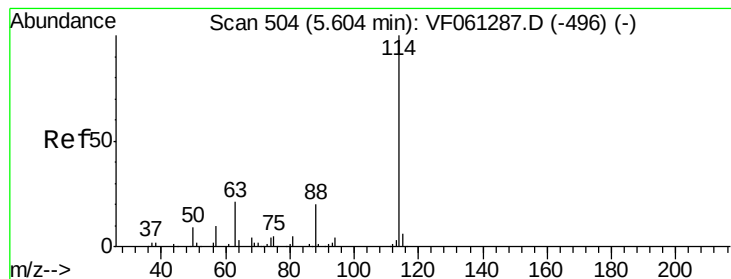
67 42.5 0.0 98.2



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: 5.58 min Scan# 502

Delta R.T. -0.02 min

Lab File: VF061370.D

Acq: 11 Jan 2019 16:11

Instrument :

MSVOA_F

ClientSampleId :

DS-D

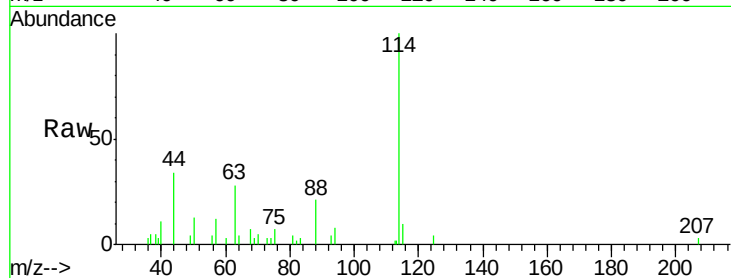
Tot Ion:114 Resp: 13186

Ion Ratio Lower Upper

114 100

63 27.8 0.0 42.8

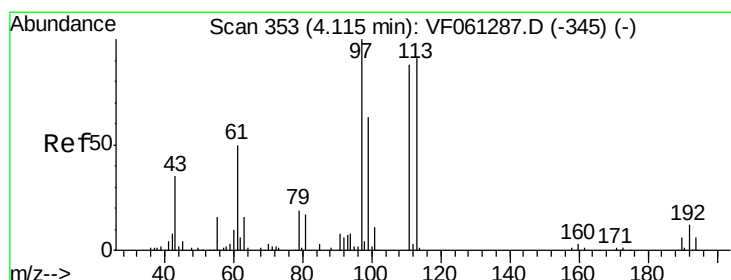
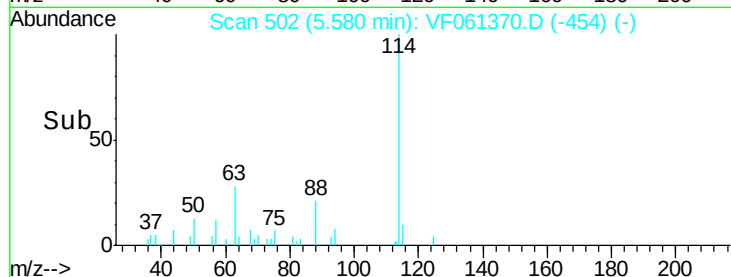
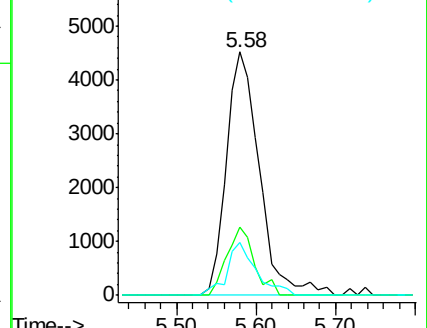
88 21.5 0.0 40.0



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: 28.118 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.02 min

Lab File: VF061370.D

Acq: 11 Jan 2019 16:11

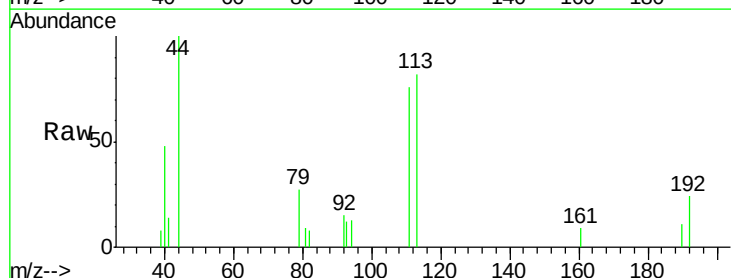
Tgt Ion:113 Resp: 2837

Ion Ratio Lower Upper

113 100

111 93.1 78.0 117.0

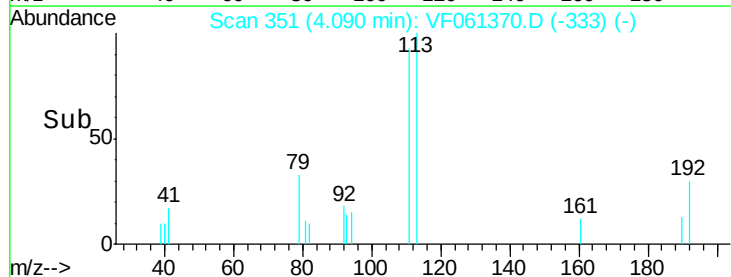
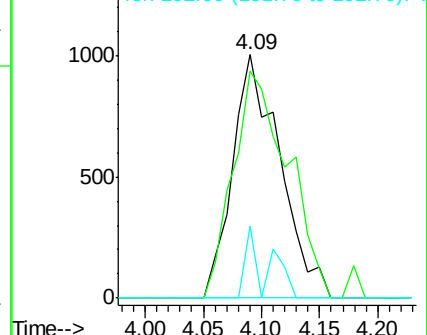
192 29.7 10.6 16.0#

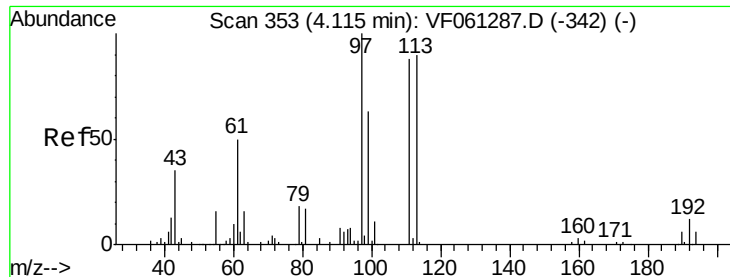


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#37

Ethyl Acetate

Concen: 6.188 ug/l

RT: 4.04 min Scan# 346

Delta R.T. -0.07 min

Lab File: VF061370.D

Acq: 11 Jan 2019 16:11

Instrument :

MSVOA_F

ClientSampled :

DS-D

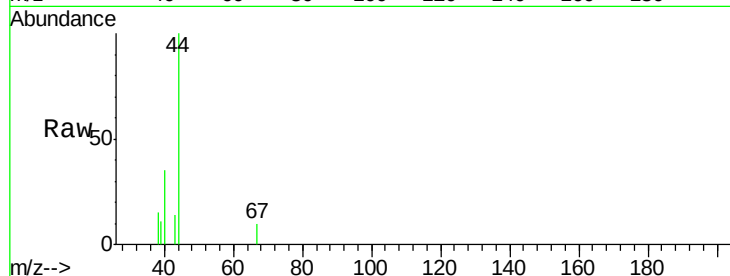
Tot Ion: 43 Resp: 347

Ion Ratio Lower Upper

43 100

61 0.0 113.3 169.9#

70 0.0 9.4 14.0#



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

4.04

150

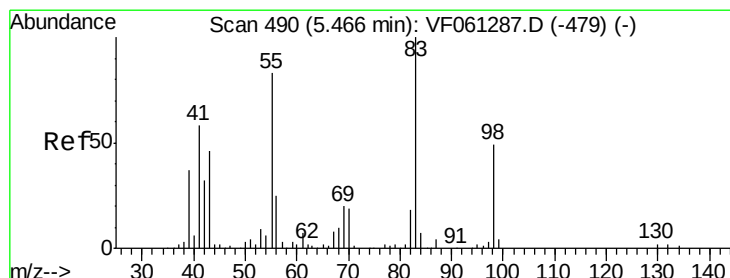
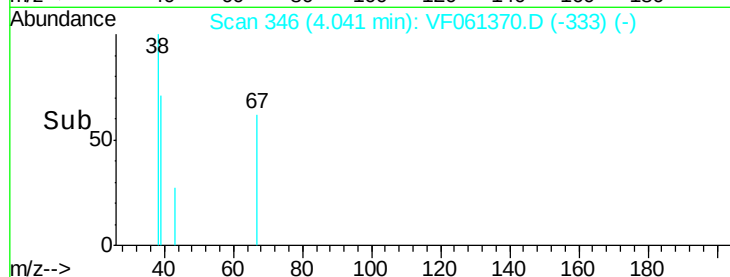
100

50

0

4.00 4.05 4.10

Time-->



#39

Methylcyclohexane

Concen: 1.111 ug/l

RT: 5.45 min Scan# 489

Delta R.T. -0.01 min

Lab File: VF061370.D

Acq: 11 Jan 2019 16:11

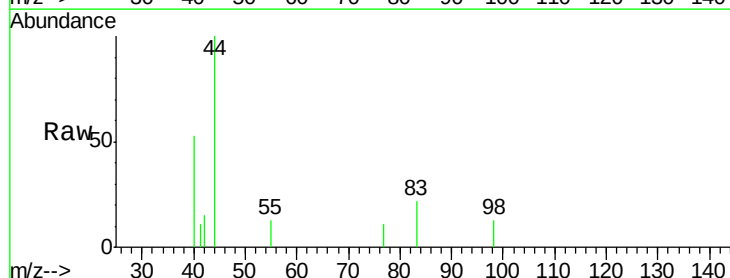
Tgt Ion: 83 Resp: 214

Ion Ratio Lower Upper

83 100

55 59.7 66.4 99.6#

98 57.9 39.1 58.7



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

5.45

300

250

200

150

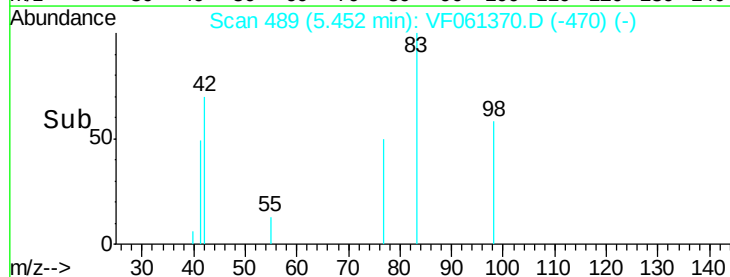
100

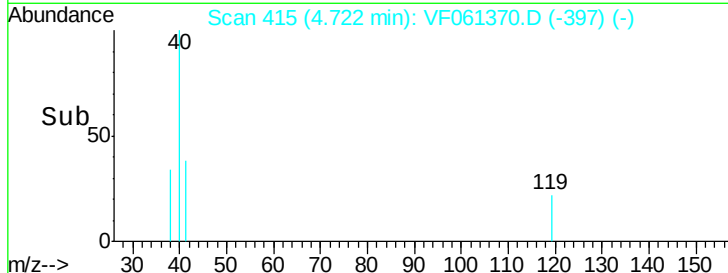
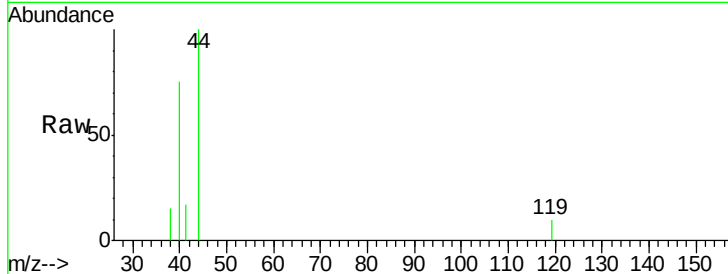
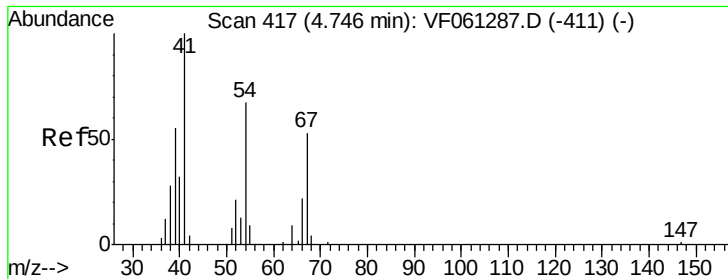
50

0

5.44 5.46 5.48

Time-->

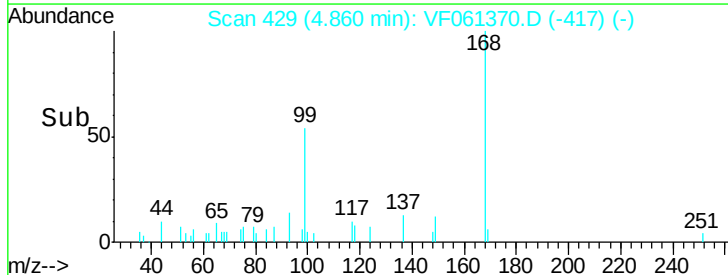
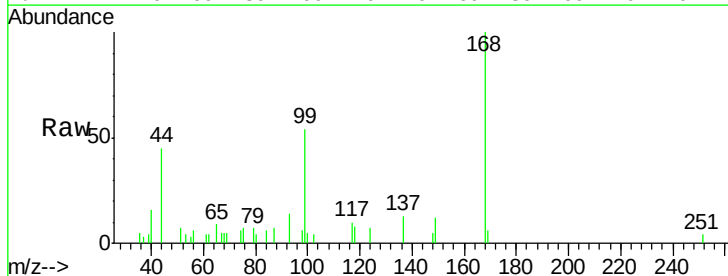
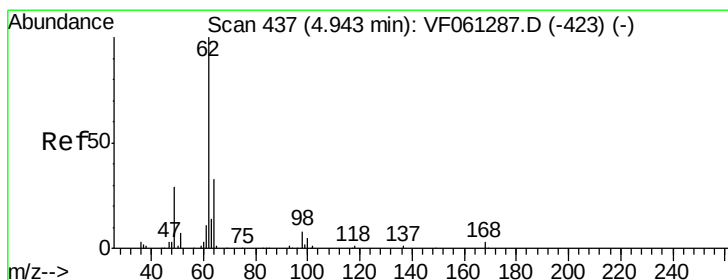
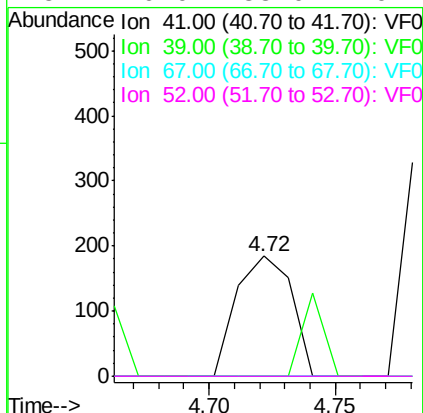




#41
Methacrylonitrile
Concen: 8.974 ug/l
RT: 4.72 min Scan# 415
Delta R.T. -0.02 min
Lab File: VF061370.D
Acq: 11 Jan 2019 16:11

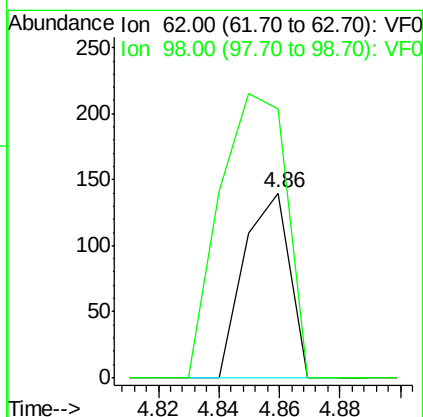
Instrument :
MSVOA_F
ClientSampled :
DS-D

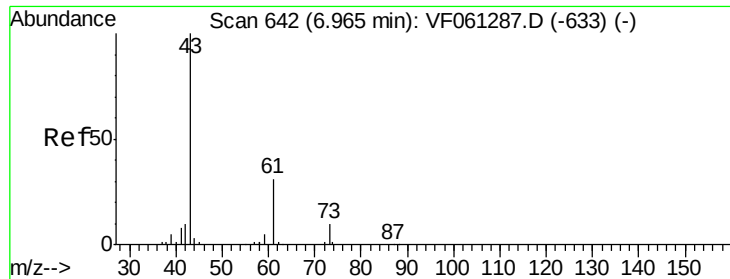
Tot Ion:	41	Resp:	281
Ion	Ratio	Lower	Upper
41	100		
39	0.0	52.7	79.1#
67	0.0	41.4	62.2#
52	0.0	33.0	49.4#



#42
1,2-Dichloroethane
Concen: 1.322 ug/l
RT: 4.86 min Scan# 429
Delta R.T. -0.08 min
Lab File: VF061370.D
Acq: 11 Jan 2019 16:11

Tgt Ion:	62	Resp:	148
Ion	Ratio	Lower	Upper
62	100		
98	145.7	0.0	16.8#





#43

Isopropyl Acetate

Concen: 2.242 ug/l

RT: 6.91 min Scan# 637

Delta R.T. -0.05 min

Lab File: VF061370.D

Acq: 11 Jan 2019 16:11

Instrument :

MSVOA_F

ClientSampled :

DS-D

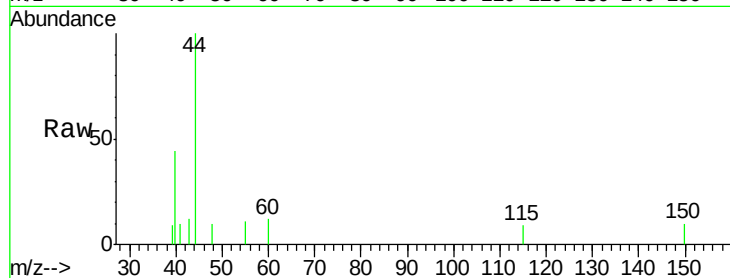
Tot Ion: 43 Resp: 166

Ion Ratio Lower Upper

43 100

61 0.0 24.3 36.5#

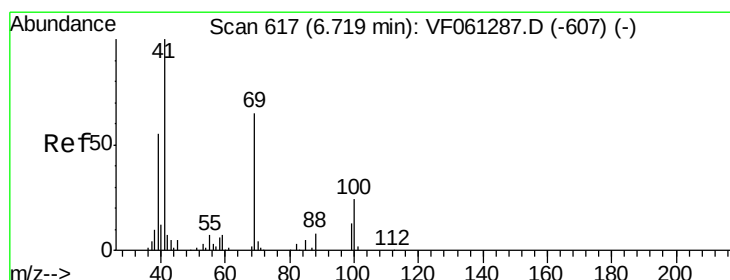
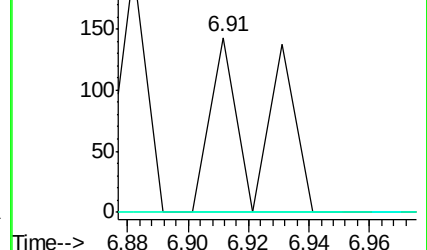
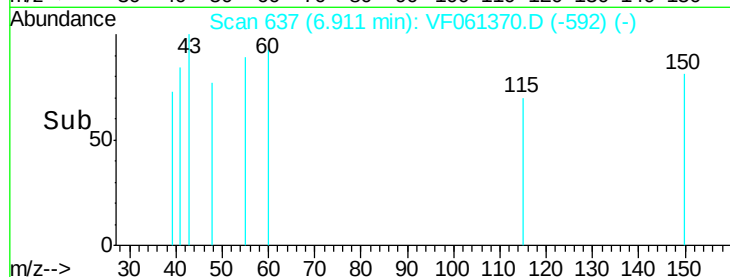
87 0.0 0.2 0.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#48

Methyl methacrylate

Concen: 4.245 ug/l

RT: 6.71 min Scan# 617

Delta R.T. -0.00 min

Lab File: VF061370.D

Acq: 11 Jan 2019 16:11

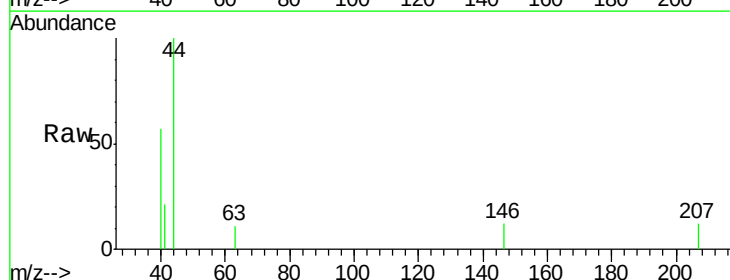
Tgt Ion: 41 Resp: 204

Ion Ratio Lower Upper

41 100

69 0.0 51.5 77.3#

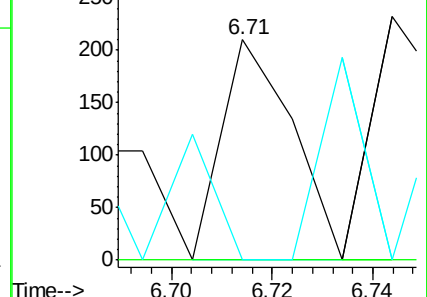
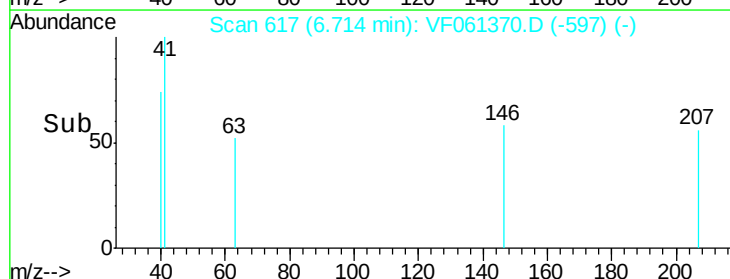
39 0.0 44.1 66.1#

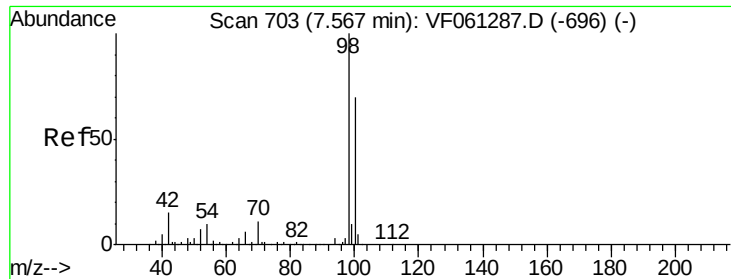


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

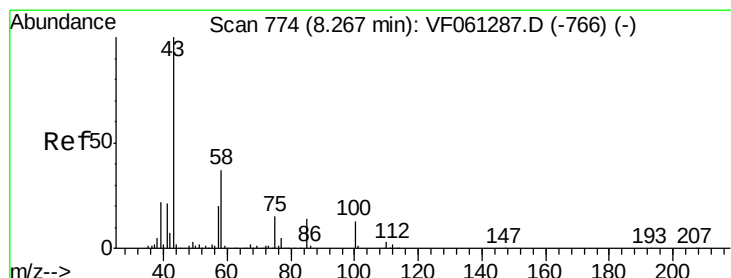
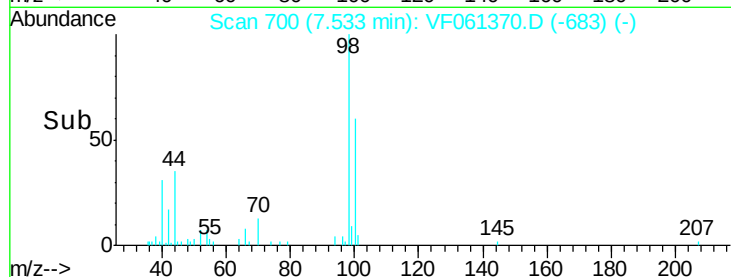
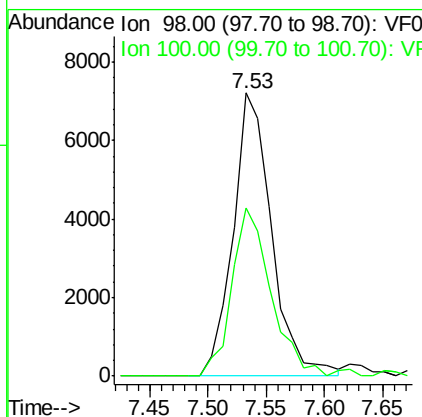
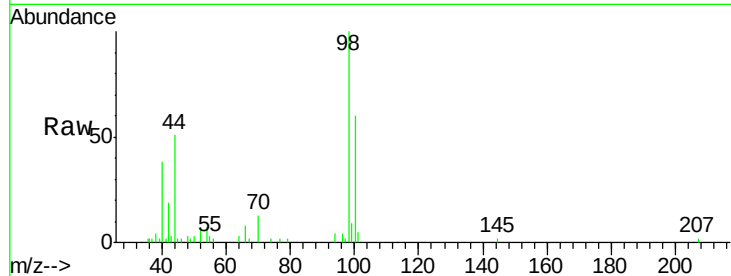




#50
Toluene-d8
Concen: 55.508 ug/l
RT: 7.53 min Scan# 700
Delta R.T. -0.03 min
Lab File: VF061370.D
Acq: 11 Jan 2019 16:11

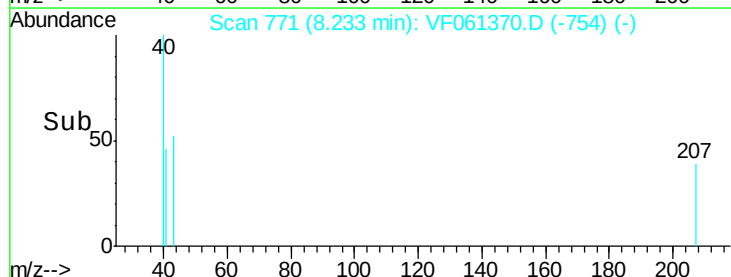
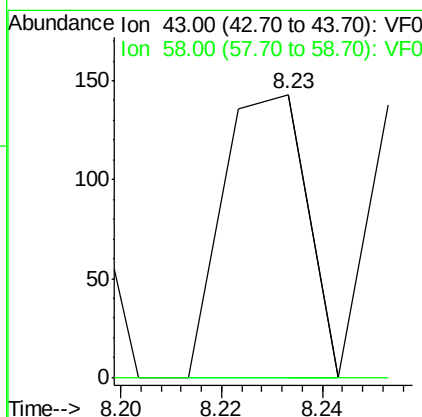
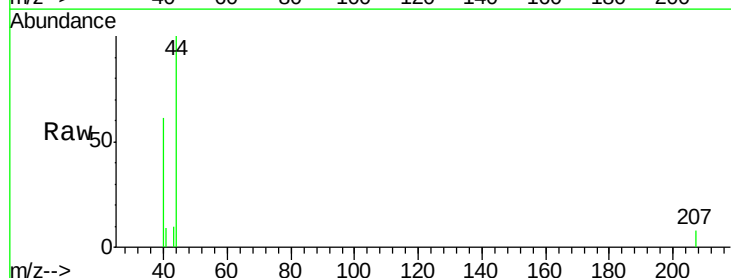
Instrument :
MSVOA_F
ClientSampled :
DS-D

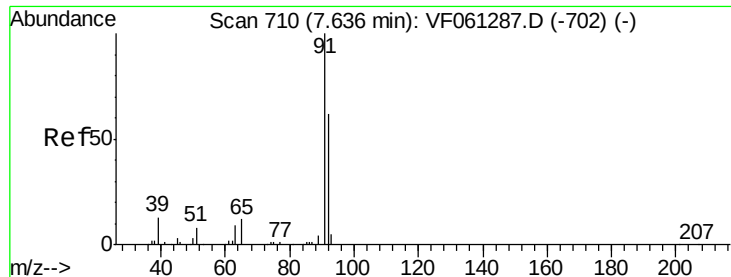
Tot Ion: 98 Resp: 16573
Ion Ratio Lower Upper
98 100
100 59.6 55.6 83.4



#51
4-Methyl-2-Pentanone
Concen: 2.953 ug/l
RT: 8.23 min Scan# 771
Delta R.T. -0.03 min
Lab File: VF061370.D
Acq: 11 Jan 2019 16:11

Tgt Ion: 43 Resp: 165
Ion Ratio Lower Upper
43 100
58 0.0 29.6 44.4#





#52

Toluene

Concen: 5.085 ug/l

RT: 7.60 min Scan# 707

Delta R.T. -0.03 min

Lab File: VF061370.D

Acq: 11 Jan 2019 16:11

Instrument :

MSVOA_F

ClientSampled :

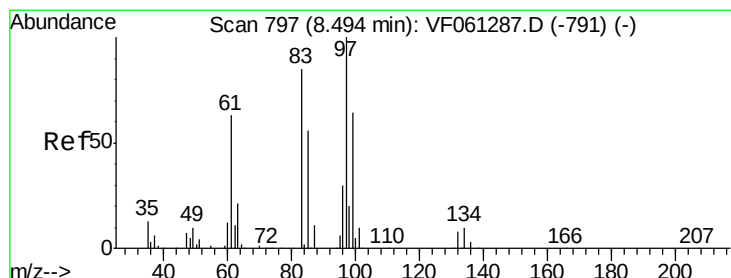
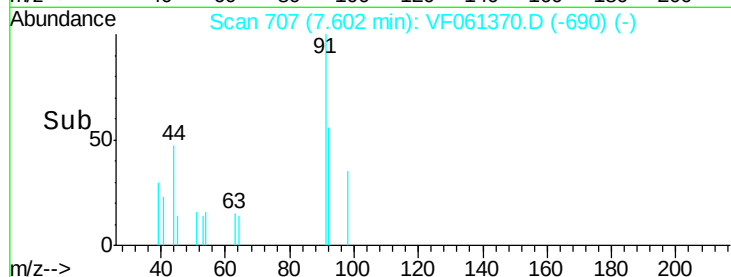
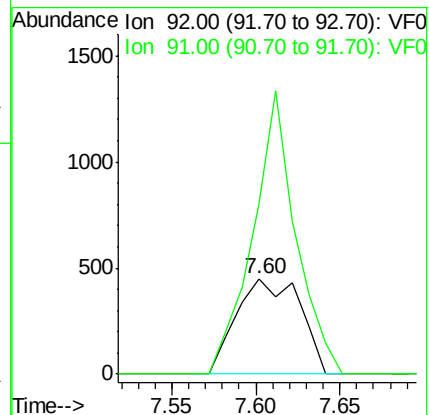
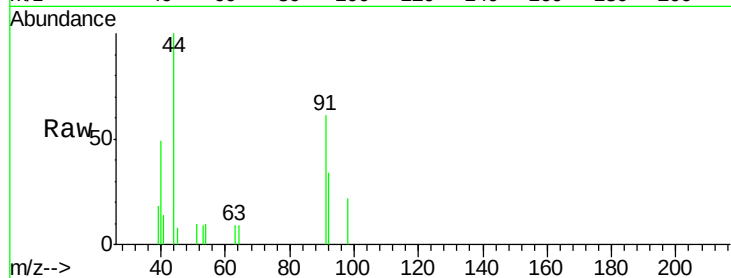
DS-D

Tot Ion: 92 Resp: 1175

Ion Ratio Lower Upper

92 100

91 178.8 129.2 193.8



#55

1,1,2-Trichloroethane

Concen: 1.562 ug/l

RT: 8.33 min Scan# 781

Delta R.T. -0.16 min

Lab File: VF061370.D

Acq: 11 Jan 2019 16:11

Tgt Ion: 97 Resp: 101

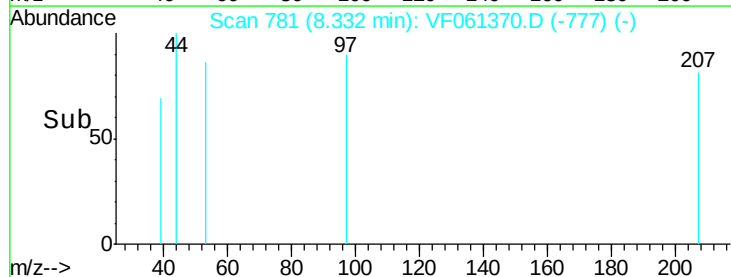
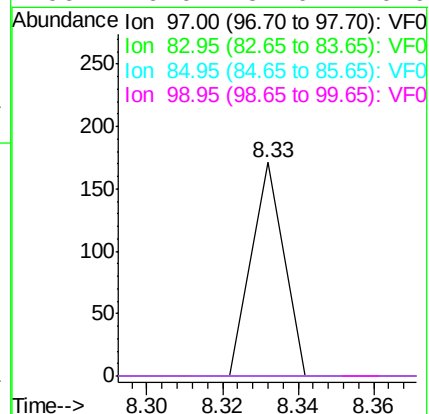
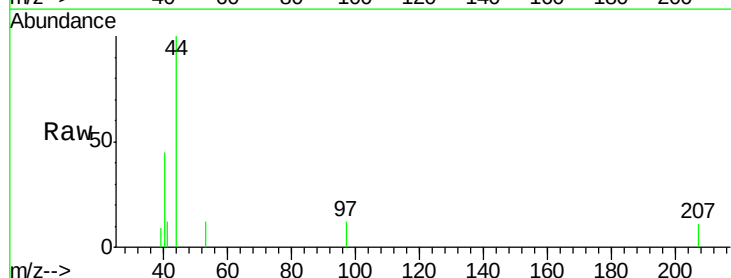
Ion Ratio Lower Upper

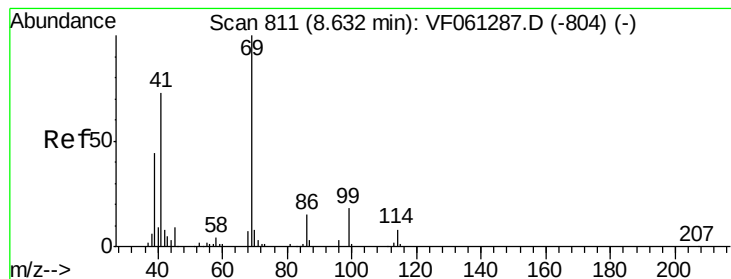
97 100

83 0.0 67.8 101.6#

85 0.0 45.1 67.7#

99 0.0 51.0 76.6#





#56

Ethyl methacrylate

Concen: 2.145 ug/l

RT: 8.59 min Scan# 807

Delta R.T. -0.04 min

Lab File: VF061370.D

Acq: 11 Jan 2019 16:11

Instrument :

MSVOA_F

ClientSampleID :

DS-D

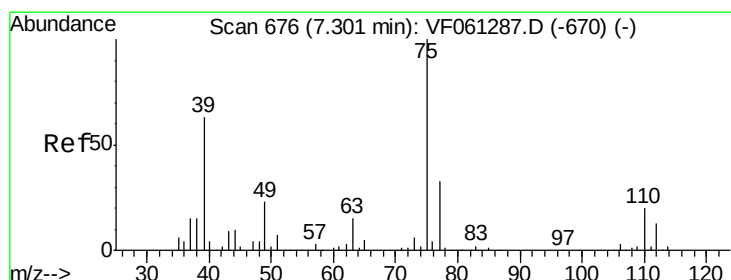
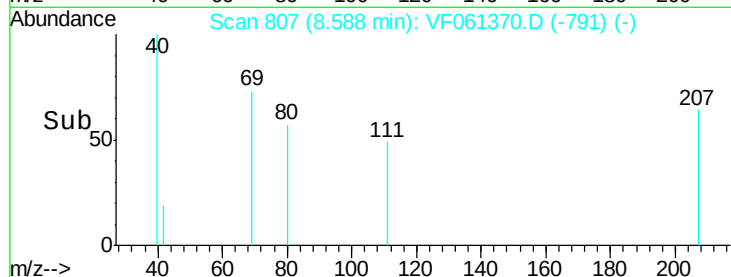
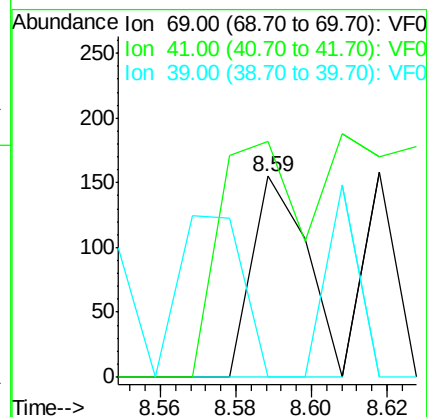
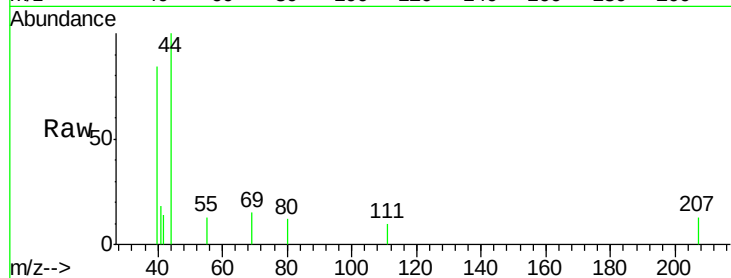
Tot Ion: 69 Resp: 155

Ion Ratio Lower Upper

69 100

41 117.4 59.0 88.4#

39 0.0 35.3 52.9#



#58

2-Chloroethyl Vinyl ether

Concen: 23.055 ug/l

RT: 7.32 min Scan# 678

Delta R.T. 0.02 min

Lab File: VF061370.D

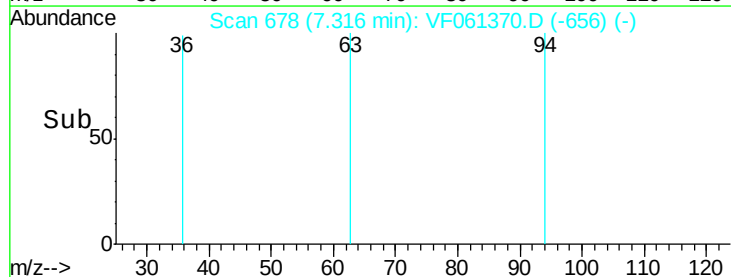
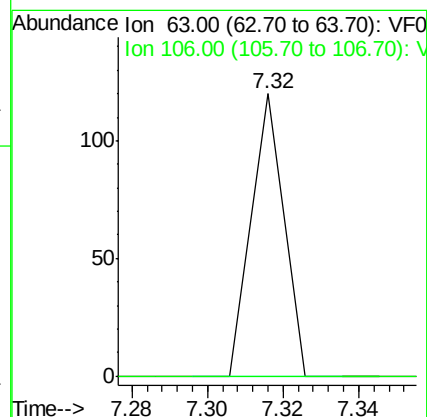
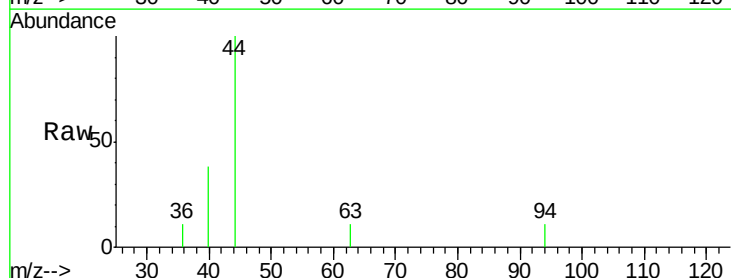
Acq: 11 Jan 2019 16:11

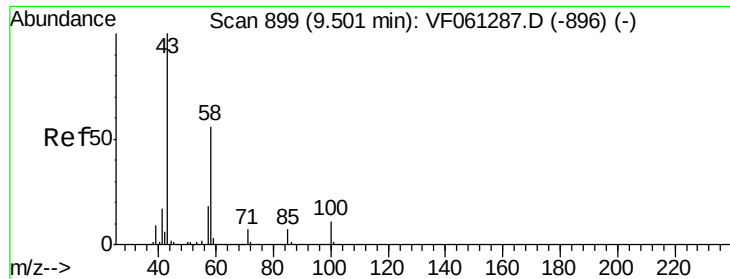
Tgt Ion: 63 Resp: 71

Ion Ratio Lower Upper

63 100

106 0.0 16.5 24.7#

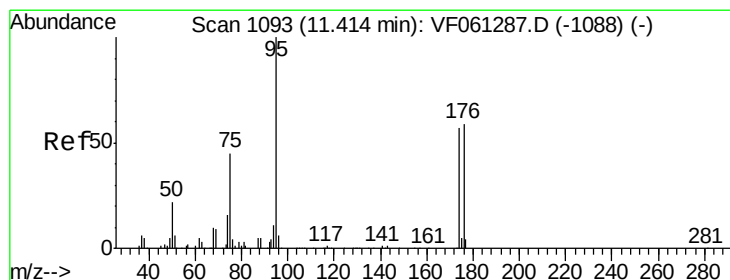
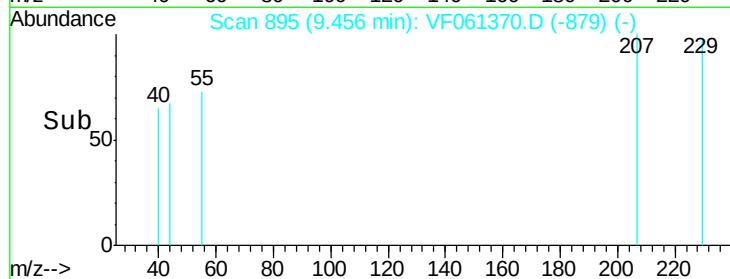
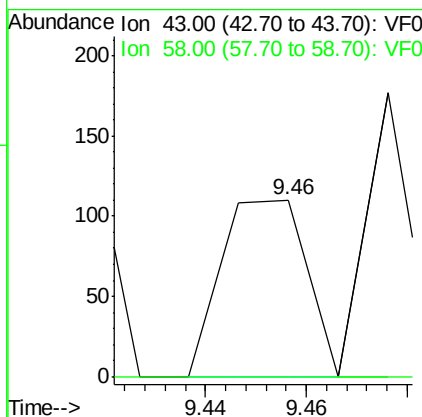
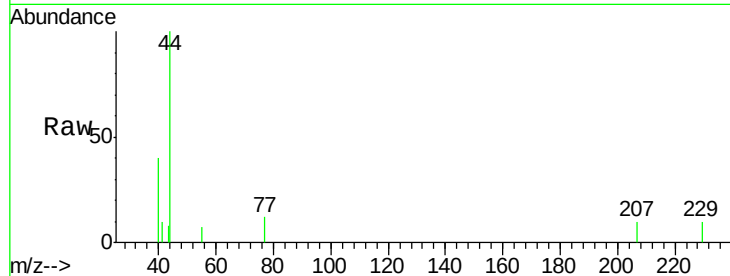




#59
2-Hexanone
Concen: 3.259 ug/l
RT: 9.46 min Scan# 895
Delta R.T. -0.04 min
Lab File: VF061370.D
Acq: 11 Jan 2019 16:11

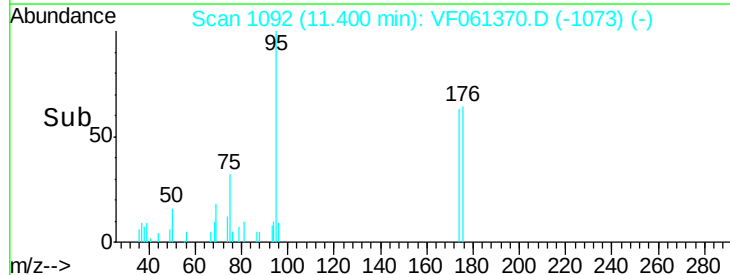
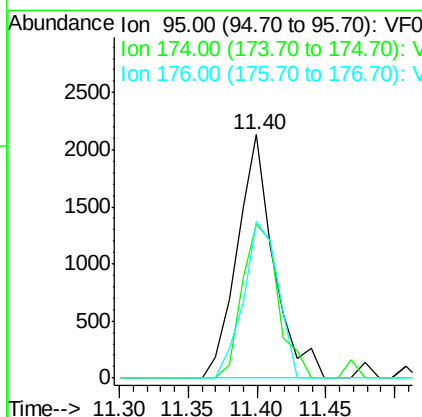
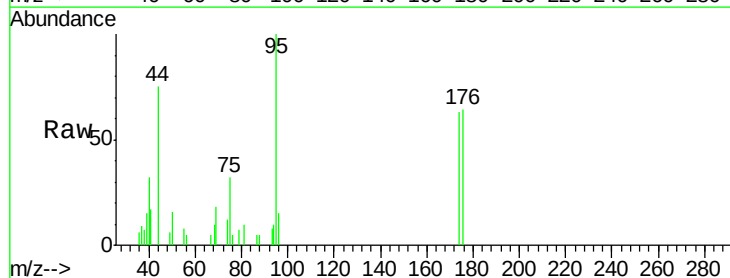
Instrument :
MSVOA_F
ClientSampled :
DS-D

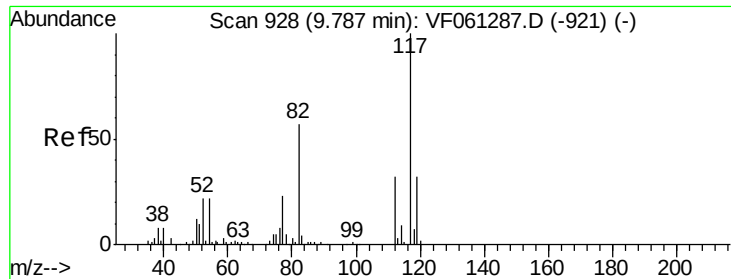
Tot Ion: 43 Resp: 129
Ion Ratio Lower Upper
43 100
58 0.0 25.6 76.8#



#62
4-Bromofluorobenzene
Concen: 30.190 ug/l
RT: 11.40 min Scan# 1092
Delta R.T. -0.01 min
Lab File: VF061370.D
Acq: 11 Jan 2019 16:11

Tgt Ion: 95 Resp: 3936
Ion Ratio Lower Upper
95 100
174 63.1 0.0 114.2
176 64.3 0.0 117.8

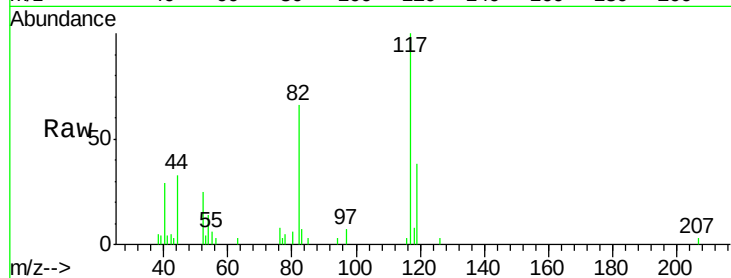




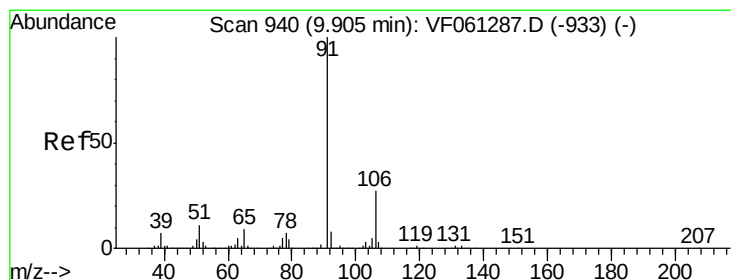
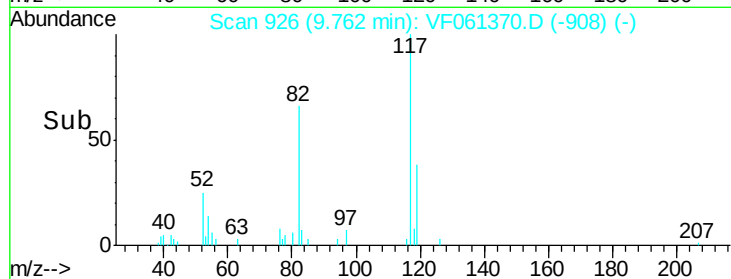
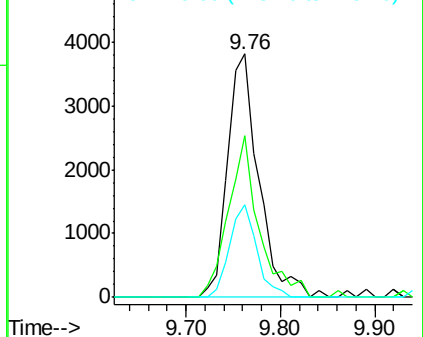
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.02 min
Lab File: VF061370.D
Acq: 11 Jan 2019 16:11

Instrument :
MSVOA_F
ClientSampled :
DS-D

Tot Ion:117 Resp: 8756
Ion Ratio Lower Upper
117 100
82 66.4 45.3 67.9
119 38.1 25.4 38.0#

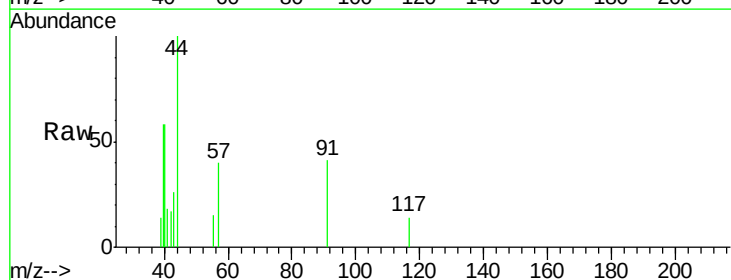


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

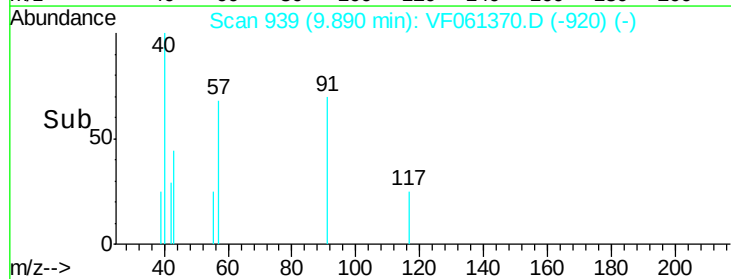
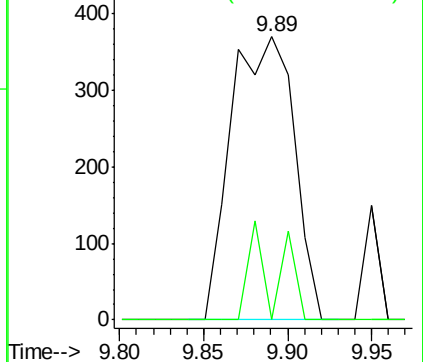


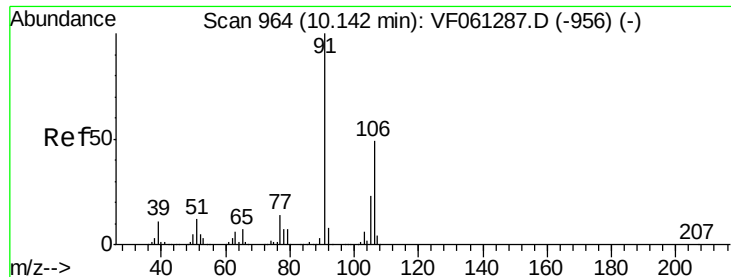
#67
Ethyl Benzene
Concen: 2.816 ug/l
RT: 9.89 min Scan# 939
Delta R.T. -0.01 min
Lab File: VF061370.D
Acq: 11 Jan 2019 16:11

Tgt Ion: 91 Resp: 960
Ion Ratio Lower Upper
91 100
106 0.0 21.4 32.2#



Abundance Ion 91.00 (90.70 to 91.70): VF0
Ion 106.00 (105.70 to 106.70): V

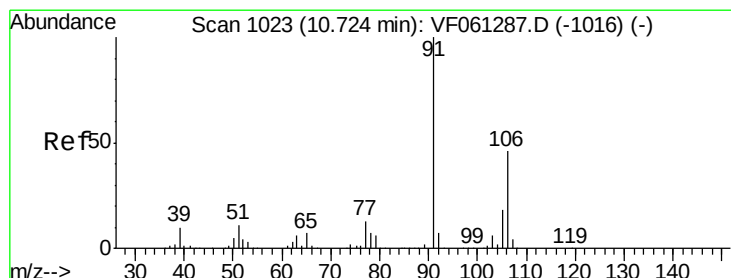
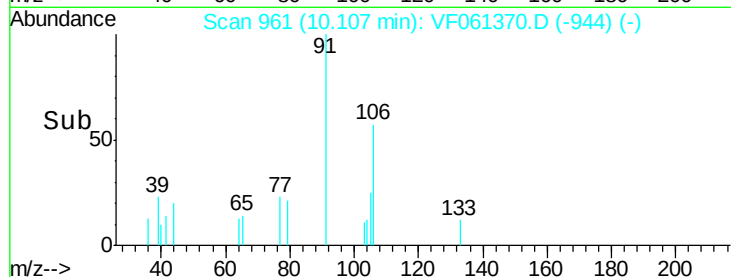
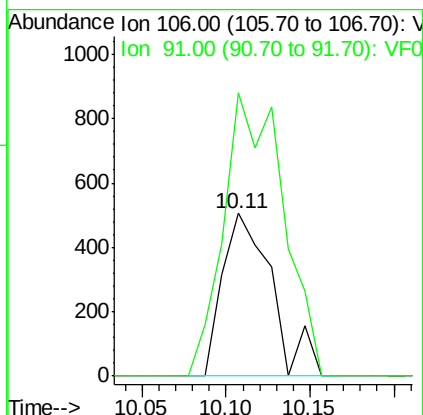
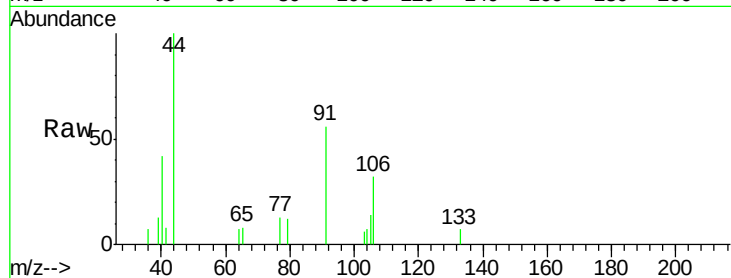




#68
m/p-Xylenes
Concen: 8.594 ug/l
RT: 10.11 min Scan# 961
Delta R.T. -0.03 min
Lab File: VF061370.D
Acq: 11 Jan 2019 16:11

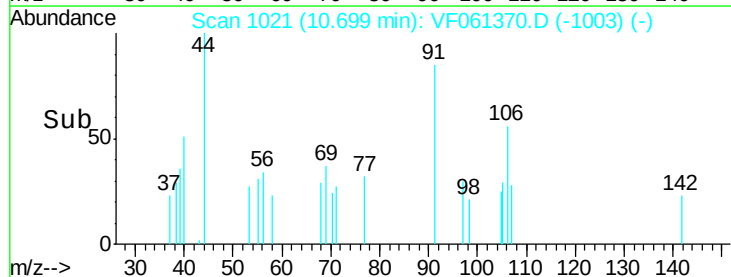
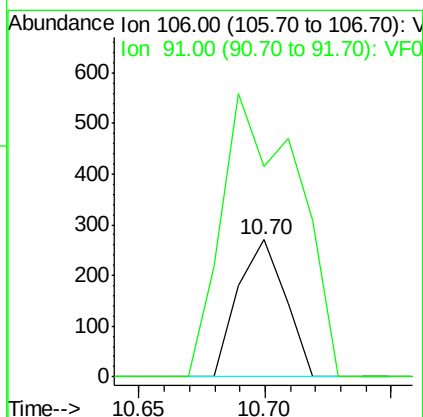
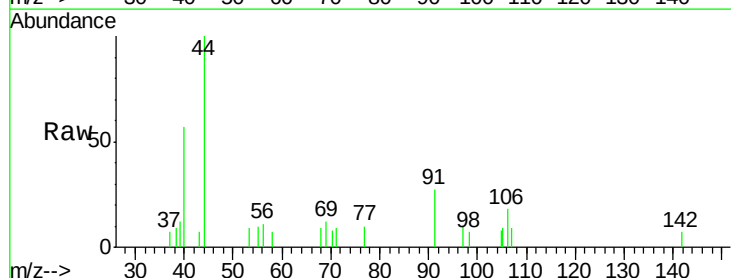
Instrument :
MSVOA_F
ClientSampleId :
DS-D

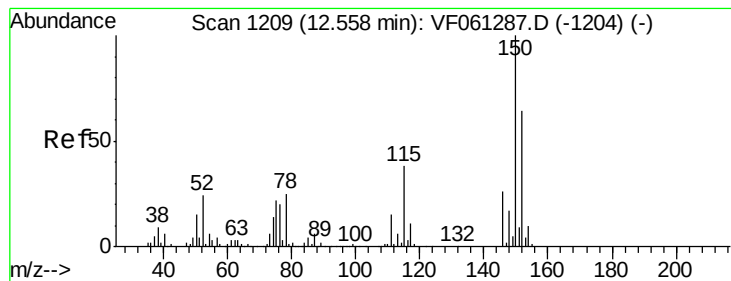
Tot Ion:106 Resp: 1022
Ion Ratio Lower Upper
106 100
91 174.1 165.0 247.6



#69
o-Xylene
Concen: 2.650 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. -0.02 min
Lab File: VF061370.D
Acq: 11 Jan 2019 16:11

Tgt Ion:106 Resp: 352
Ion Ratio Lower Upper
106 100
91 153.3 108.1 324.4



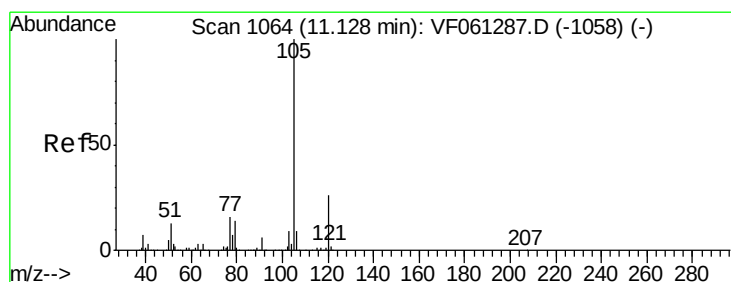
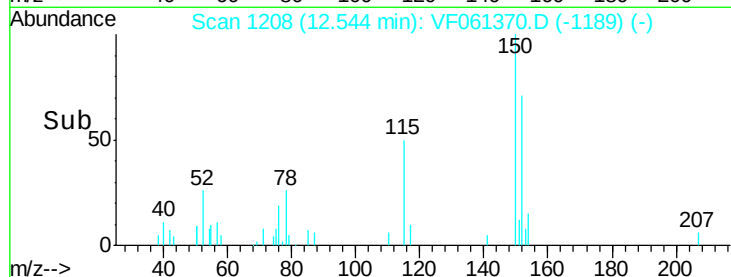
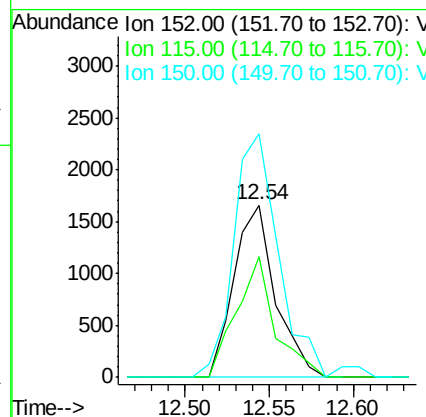
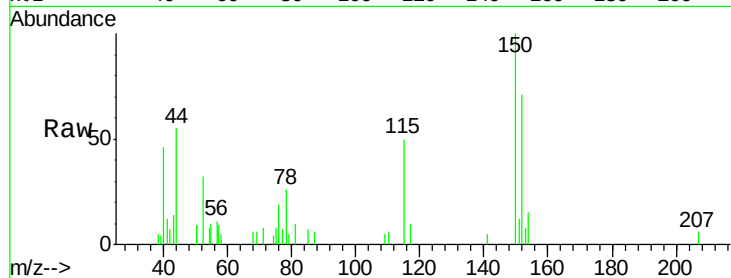


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.01 min
Lab File: VF061370.D
Acq: 11 Jan 2019 16:11

Instrument :
MSVOA_F
ClientSampled :
DS-D

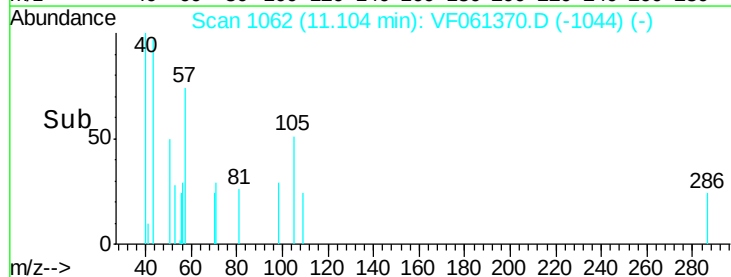
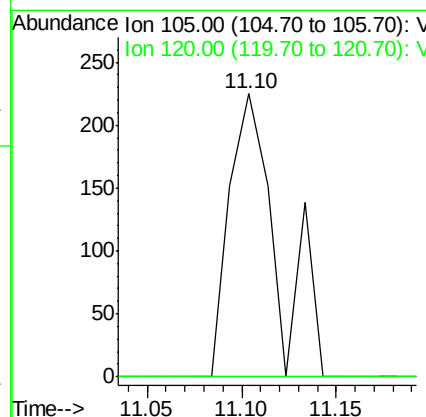
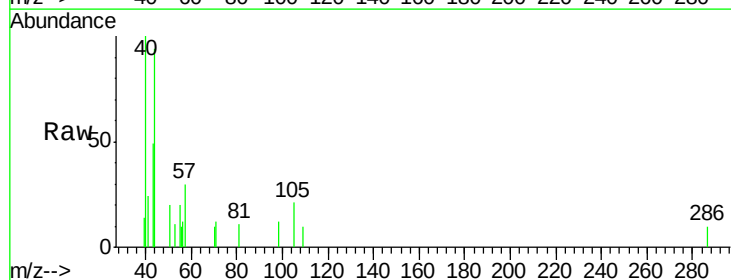
Tot Ion:152 Resp: 2843
Ion Ratio Lower Upper
152 100
115 70.3 29.6 88.9
150 141.3 0.0 315.4

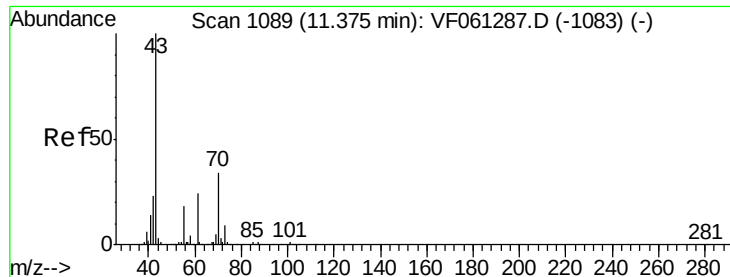


#73

Isopropylbenzene
Concen: 1.579 ug/l
RT: 11.10 min Scan# 1062
Delta R.T. -0.02 min
Lab File: VF061370.D
Acq: 11 Jan 2019 16:11

Tgt Ion:105 Resp: 395
Ion Ratio Lower Upper
105 100
120 0.0 12.9 38.7#





#74

N-amvl acetate

Concen: 3.482 ug/l

RT: 11.35 min Scan# 1087

Delta R.T. -0.02 min

Lab File: VF061370.D

Acq: 11 Jan 2019 16:11

Instrument :

MSVOA_F

ClientSampleId :

DS-D

Tot Ion: 43 Resp: 198

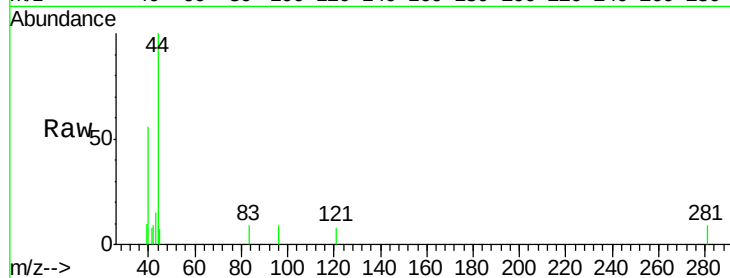
Ion Ratio Lower Upper

43 100

70 0.0 27.4 41.0#

55 0.0 14.7 22.1#

61 0.0 19.0 28.4#

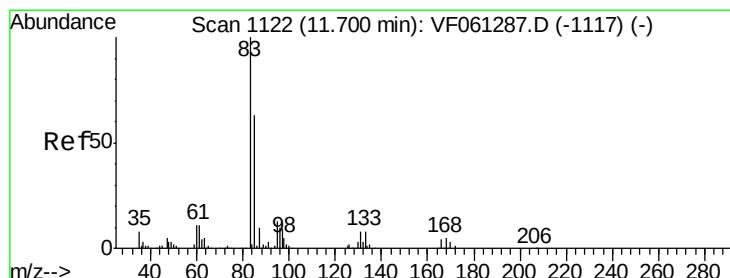
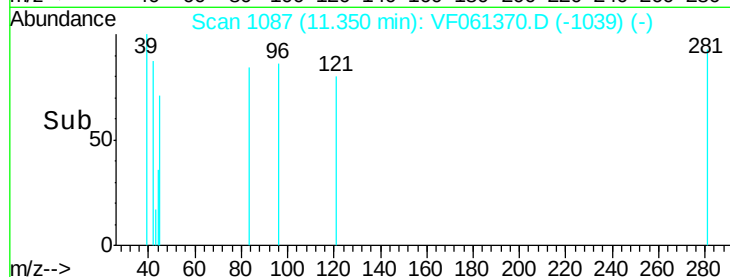
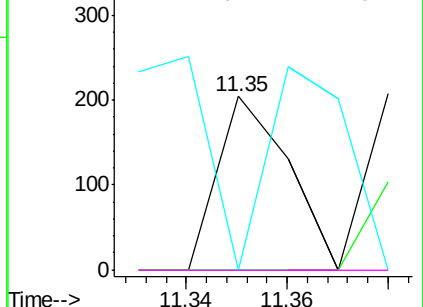


Abundance Ion 43.00 (42.70 to 43.70): VF0

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



#75

1,1,2,2-Tetrachloroethane

Concen: 4.437 ug/l

RT: 11.66 min Scan# 1118

Delta R.T. -0.04 min

Lab File: VF061370.D

Acq: 11 Jan 2019 16:11

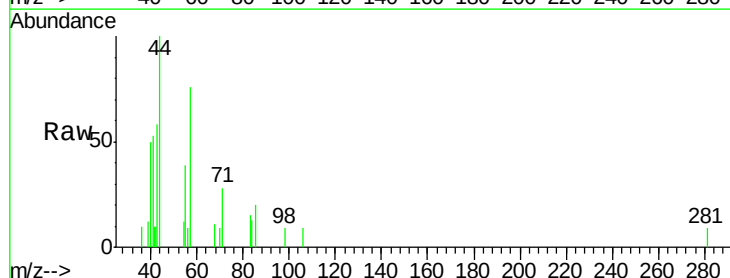
Tgt Ion: 83 Resp: 176

Ion Ratio Lower Upper

83 100

131 0.0 3.9 11.7#

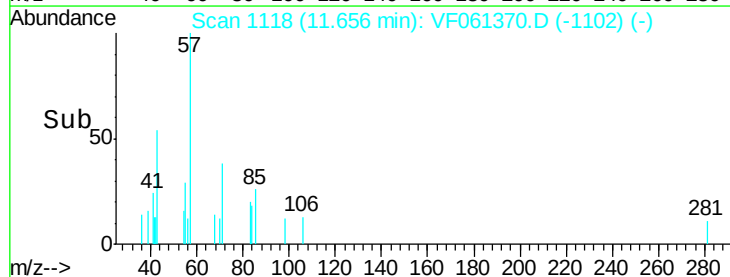
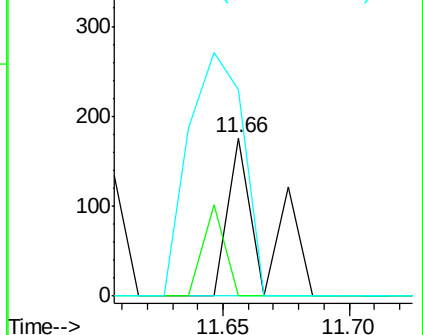
85 130.1 31.6 94.7#

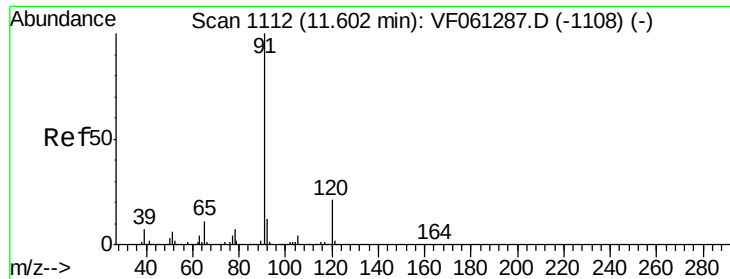


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0





#78

n-propylbenzene

Concen: 4.509 ug/l

RT: 11.58 min Scan# 1110

Delta R.T. -0.02 min

Lab File: VF061370.D

Acq: 11 Jan 2019 16:11

Instrument :

MSVOA_F

ClientSampled :

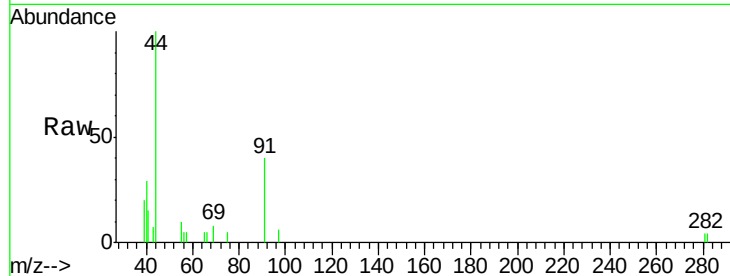
DS-D

Tot Ion: 91 Resp: 1345

Ion Ratio Lower Upper

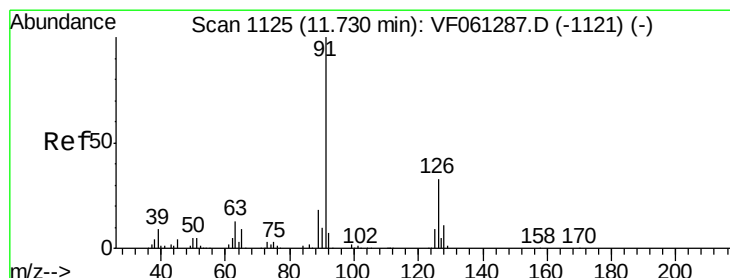
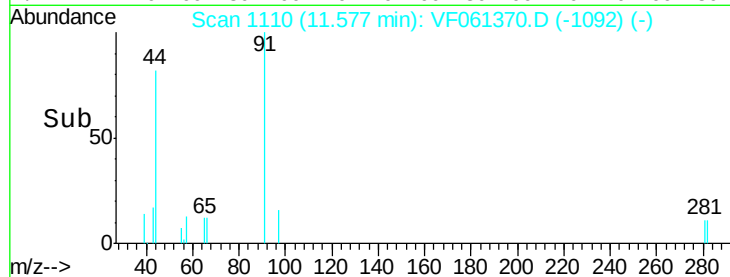
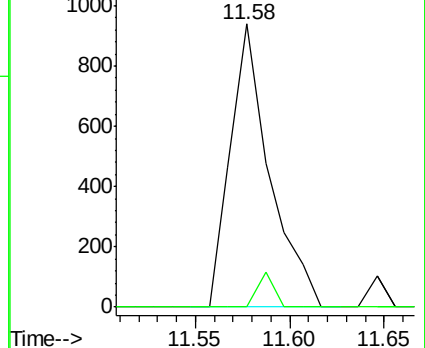
91 100

120 0.0 10.7 32.1#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 4.597 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. -0.03 min

Lab File: VF061370.D

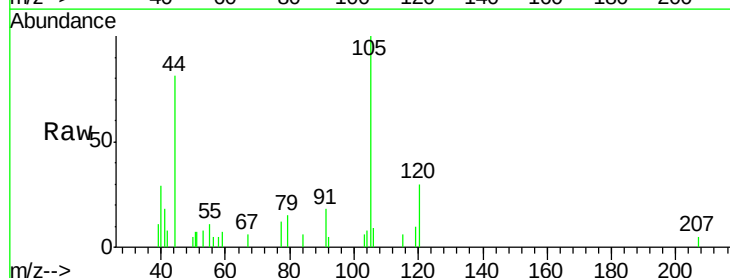
Acq: 11 Jan 2019 16:11

Tgt Ion: 91 Resp: 764

Ion Ratio Lower Upper

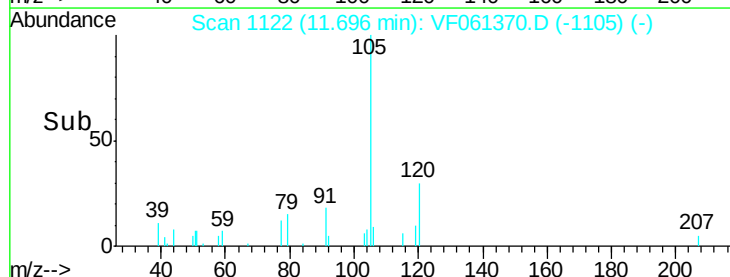
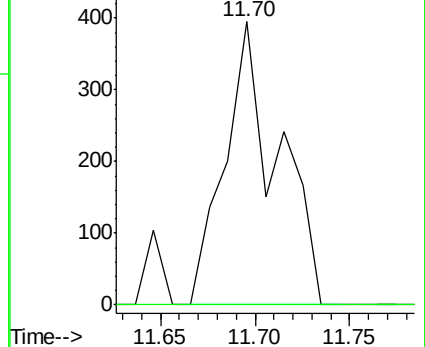
91 100

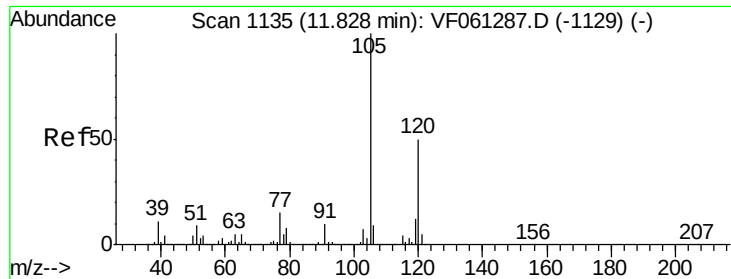
126 0.0 16.6 49.8#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

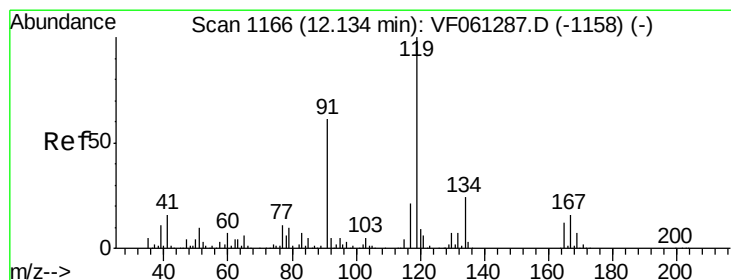
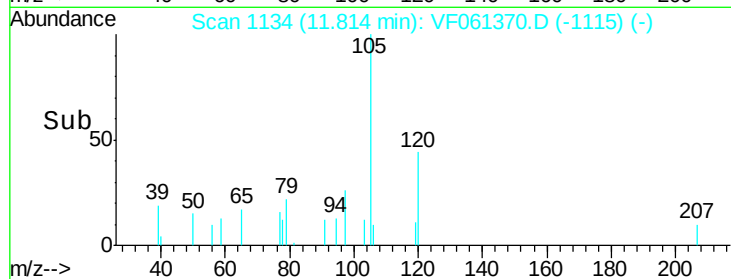
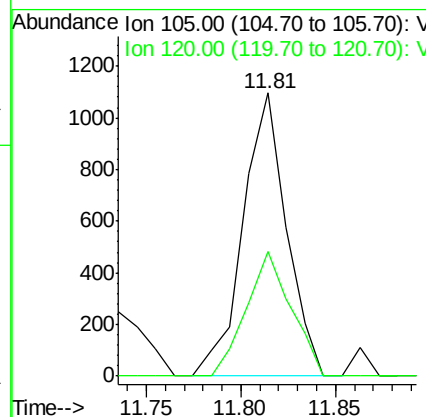
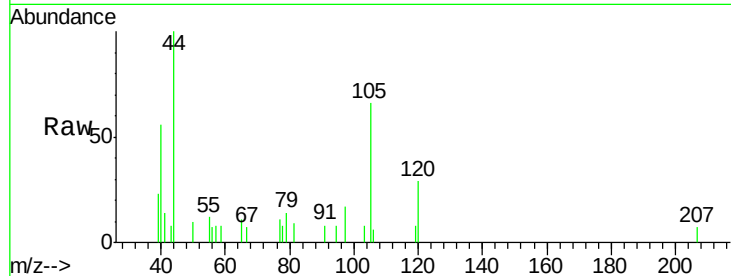




#80
 1,3,5-Trimethylbenzene
 Concen: 8.781 ug/l
 RT: 11.81 min Scan# 1134
 Delta R.T. -0.01 min
 Lab File: VF061370.D
 Acq: 11 Jan 2019 16:11

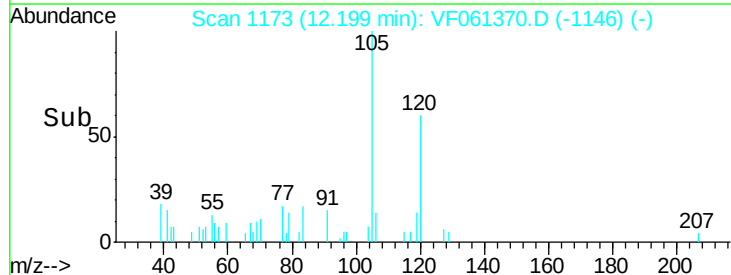
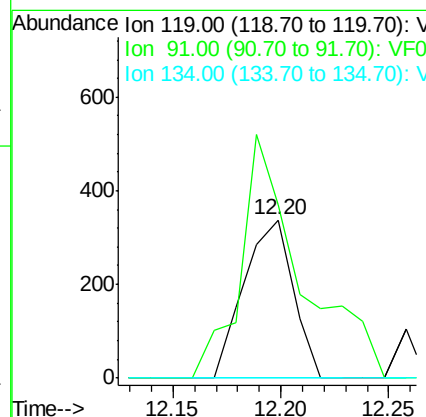
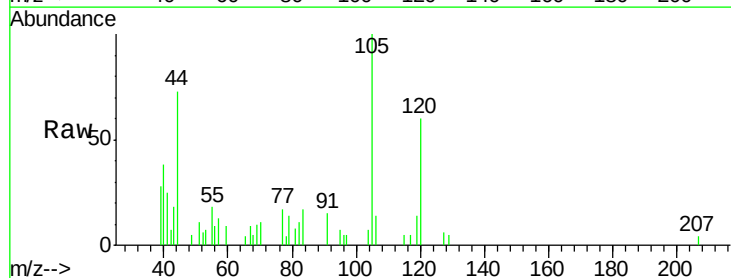
Instrument :
 MSVOA_F
 ClientSampleId :
 DS-D

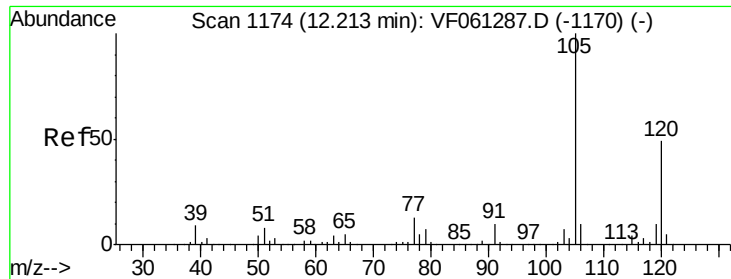
Tot Ion:105 Resp: 1748
 Ion Ratio Lower Upper
 105 100
 120 44.0 25.2 75.6



#83
 tert-Butylbenzene
 Concen: 2.688 ug/l
 RT: 12.20 min Scan# 1173
 Delta R.T. 0.06 min
 Lab File: VF061370.D
 Acq: 11 Jan 2019 16:11

Tgt Ion:119 Resp: 533
 Ion Ratio Lower Upper
 119 100
 91 110.1 30.8 92.4#
 134 0.0 11.9 35.9#

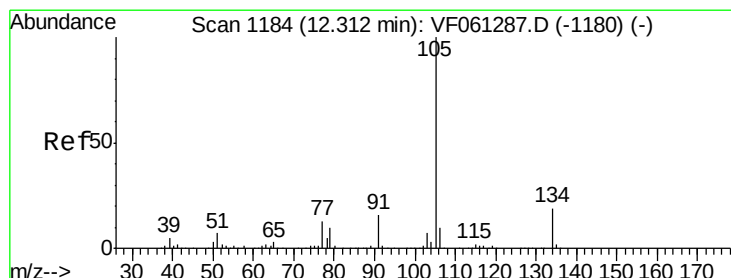
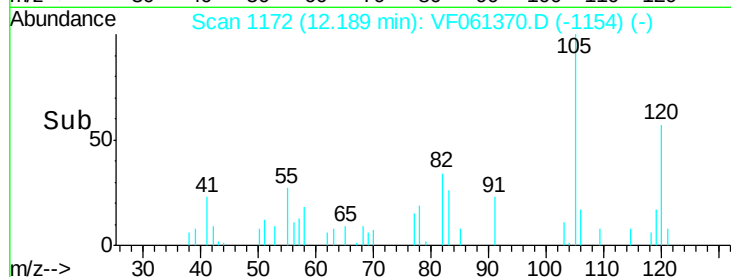
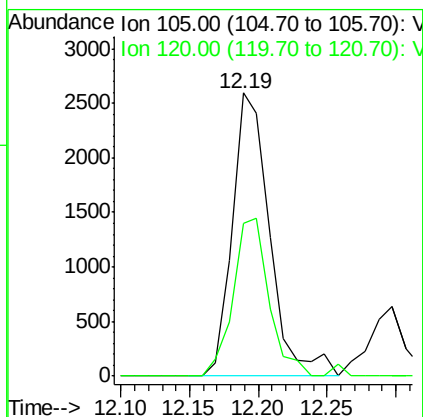
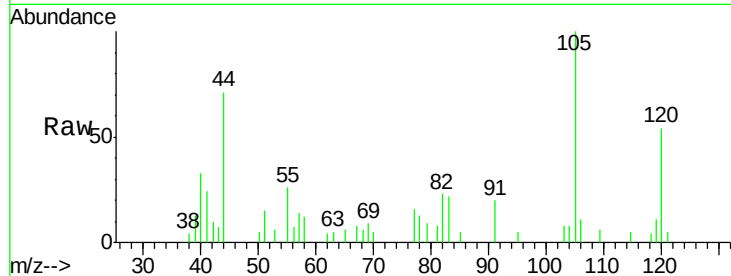




#84
 1,2,4-Trimethylbenzene
 Concen: 24.829 ug/l
 RT: 12.19 min Scan# 1172
 Delta R.T. -0.02 min
 Lab File: VF061370.D
 Acq: 11 Jan 2019 16:11

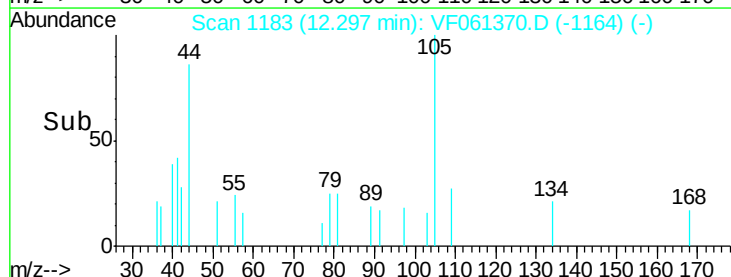
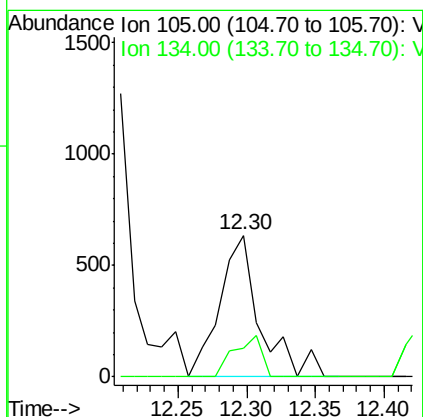
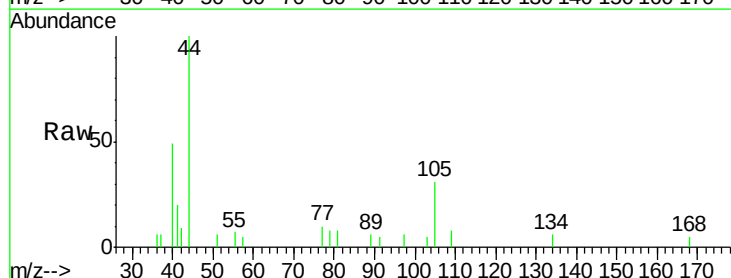
Instrument :
 MSVOA_F
 ClientSampleId :
 DS-D

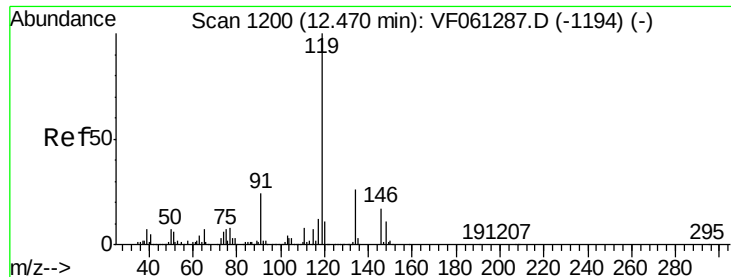
Tot Ion:105 Resp: 4907
 Ion Ratio Lower Upper
 105 100
 120 54.1 24.7 74.1



#85
 sec-Butylbenzene
 Concen: 4.597 ug/l
 RT: 12.30 min Scan# 1183
 Delta R.T. -0.01 min
 Lab File: VF061370.D
 Acq: 11 Jan 2019 16:11

Tgt Ion:105 Resp: 1298
 Ion Ratio Lower Upper
 105 100
 134 20.6 9.7 28.9

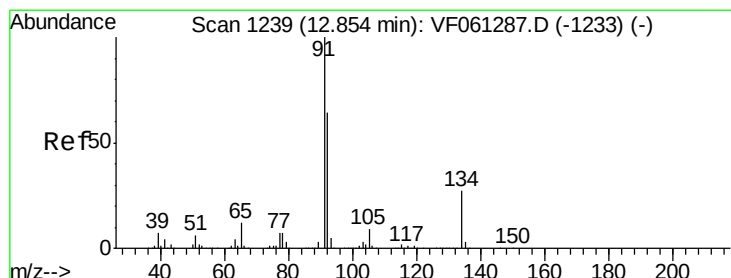
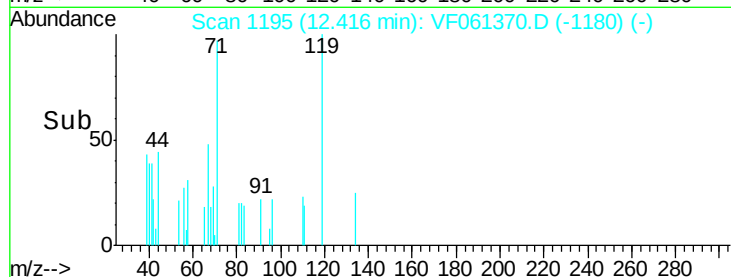
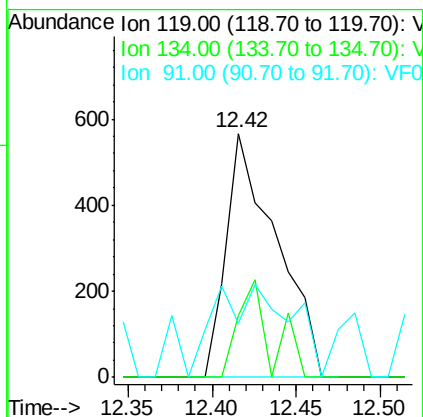
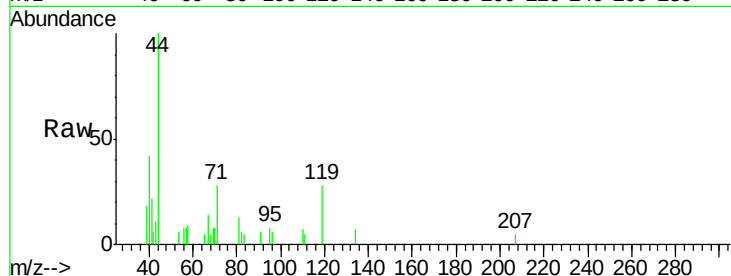




#86
 p-Isopropyltoluene
 Concen: 5.103 ug/l
 RT: 12.42 min Scan# 1195
 Delta R.T. -0.05 min
 Lab File: VF061370.D
 Acq: 11 Jan 2019 16:11

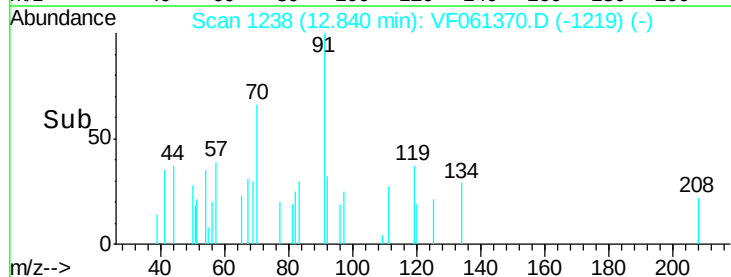
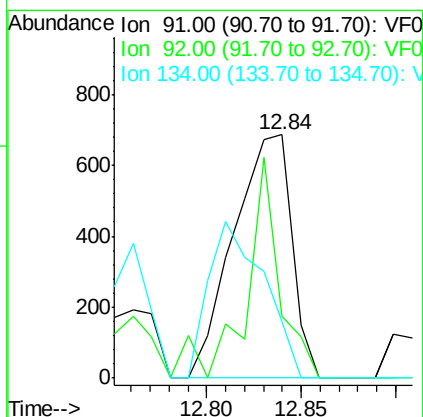
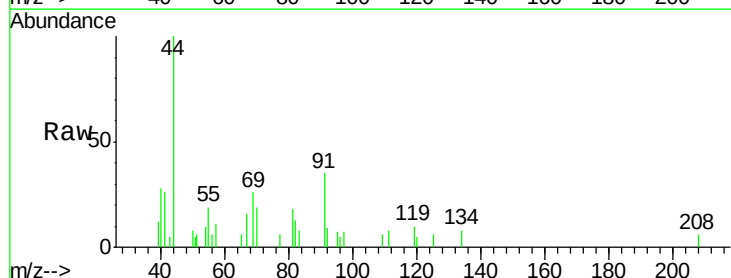
Instrument :
 MSVOA_F
 ClientSampleId :
 DS-D

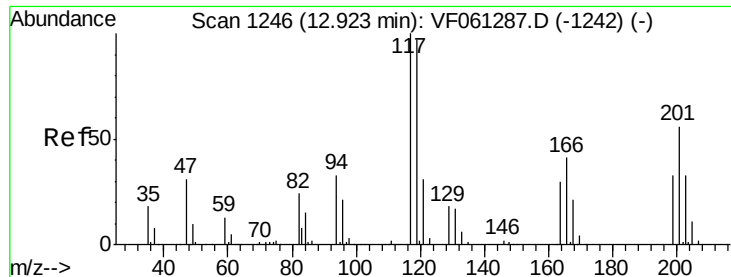
Tot Ion:119 Resp: 1172
 Ion Ratio Lower Upper
 119 100
 134 25.4 13.0 39.0
 91 22.1 12.2 36.4



#89
 n-Butylbenzene
 Concen: 6.208 ug/l
 RT: 12.84 min Scan# 1238
 Delta R.T. -0.01 min
 Lab File: VF061370.D
 Acq: 11 Jan 2019 16:11

Tgt Ion: 91 Resp: 1465
 Ion Ratio Lower Upper
 91 100
 92 25.6 32.1 96.3#
 134 23.3 13.4 40.1





#90

Hexachloroethane

Concen: 1.180 ug/l

RT: 13.00 min Scan# 1254

Delta R.T. 0.07 min

Lab File: VF061370.D

Acq: 11 Jan 2019 16:11

Instrument :

MSVOA_F

ClientSampleId :

DS-D

Tot Ion:117 Resp: 62

Ion Ratio Lower Upper

117 100

201 0.0 27.9 83.7#

