

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF080118\
 Data File : VF059781.D
 Acq On : 2 Aug 2018 4:51
 Operator : VA/AP
 Sample : J4164-10
 Misc : 7.03g/5mL/MSVOA_F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-2

Quant Time: Aug 02 07:50:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 15:23:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	17307	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.76	114	15305	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	3768	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	355	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	5824	18.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.44%	
35) Dibromofluoromethane	4.30	113	4594	28.90	ug/l	0.01
Spiked Amount	50.000		Recovery	=	57.80%	
50) Toluene-d8	7.71	98	9304	25.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	50.20%	
62) 4-Bromofluorobenzene	11.51	95	1188	5.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.99	85	69	Below Cal	#	44
3) Chloromethane	1.09	50	487	Below Cal	#	78
5) Bromomethane	1.37	94	60	Below Cal	#	4
6) Chloroethane	1.42	64	133	Below Cal	#	35
8) Diethyl Ether	1.68	74	72	1.303	ug/l	89
11) Tert butyl alcohol	2.70	59	62	3.505	ug/l #	74
13) Acrolein	2.15	56	70	26.036	ug/l #	4
14) Allyl chloride	2.20	41	250	1.168	ug/l #	1
16) Acetone	2.32	43	8299	148.336	ug/l #	90
17) Carbon Disulfide	1.85	76	4344	11.603	ug/l #	78
18) Methyl Acetate	2.48	43	697	3.399	ug/l #	64
20) Methylene Chloride	2.30	84	351	Below Cal	#	26
21) trans-1,2-Dichloroethene	2.47	96	63	Below Cal	#	1
25) 2-Butanone	4.51	43	803	12.861	ug/l #	74
28) Bromochloromethane	3.92	49	133	Below Cal	#	15
29) Tetrahydrofuran	4.22	42	62	2.584	ug/l #	1
31) Cyclohexane	3.81	56	158	Below Cal	#	58
37) Ethyl Acetate	4.28	43	129	Below Cal	#	19
39) Methylcyclohexane	5.64	83	205	Below Cal	#	13
41) Methacrylonitrile	4.91	41	85	Below Cal	#	24
44) Trichloroethene	5.64	130	119	Below Cal		2
48) Methyl methacrylate	6.90	41	69	1.002	ug/l #	54
51) 4-Methyl-2-Pentanone	8.40	43	209	3.002	ug/l #	42
58) 2-Chloroethyl Vinyl ether	7.73	63	105	10.417	ug/l	100
59) 2-Hexanone	9.63	43	277	4.965	ug/l #	30
68) m/p-Xylenes	10.12	106	95	Below Cal	#	1
69) o-Xylene	10.97	106	64	1.332	ug/l #	1
73) Isopropylbenzene	11.23	105	186	7.985	ug/l #	50
74) N-amyl acetate	11.46	43	227	38.627	ug/l #	47
75) 1,1,2,2-Tetrachloroethane	11.72	83	155	35.350	ug/l #	25
78) n-propylbenzene	11.71	91	104	Below Cal	#	54
79) 2-Chlorotoluene	11.80	91	62	Below Cal	#	44
80) 1,3,5-Trimethylbenzene	11.89	105	68	Below Cal	#	31
82) 4-Chlorotoluene	12.00	91	107	2.884	ug/l #	44

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QLast Update : Tue Jul 31 15:23:22 2018
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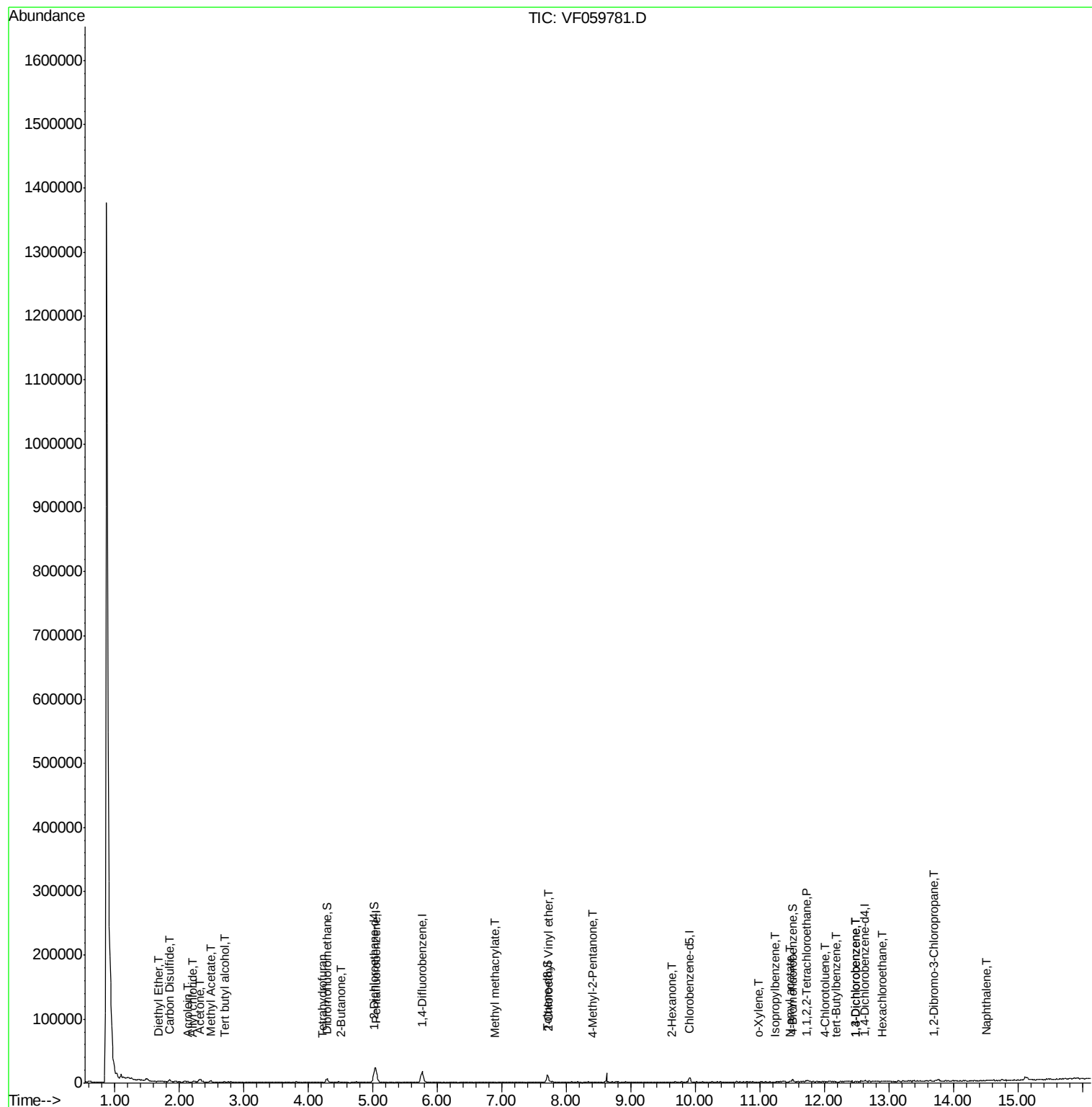
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) tert-Butylbenzene	12.18	119	79	3.778	ug/l #	26
85) sec-Butylbenzene	12.28	105	89	Below Cal	#	57
86) p-Isopropyltoluene	12.56	119	89	Below Cal	#	49
87) 1,3-Dichlorobenzene	12.49	146	71	1.621	ug/l #	24
88) 1,4-Dichlorobenzene	12.49	146	71	3.257	ug/l #	24
89) n-Butylbenzene	12.91	91	85	Below Cal	#	29
90) Hexachloroethane	12.89	117	108	18.383	ug/l #	18
92) 1,2-Dibromo-3-Chloropropan	13.70	75	80	74.635	ug/l #	9
95) Naphthalene	14.51	128	402	26.265	ug/l #	70

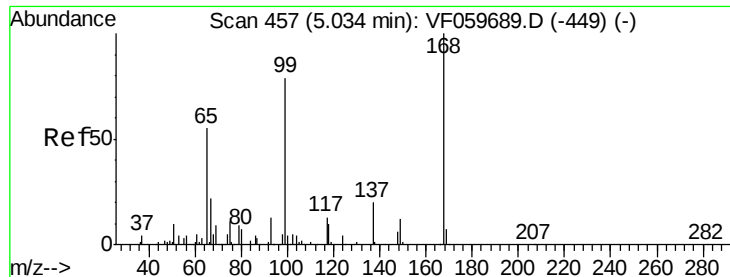
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 458

Delta R.T. 0.01 min

Lab File: VF059781.D

Acq: 2 Aug 2018 4:51

Instrument :

MSVOA_F

ClientSampleId :

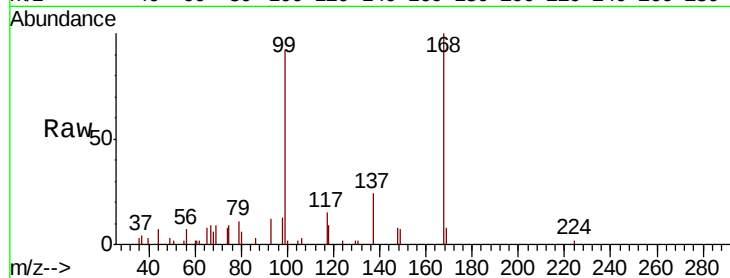
SB-2

Tgt Ion:168 Resp: 17307

Ion Ratio Lower Upper

168 100

99 92.2 63.3 94.9



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

6000

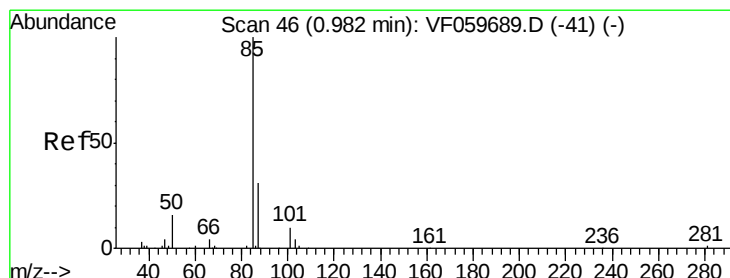
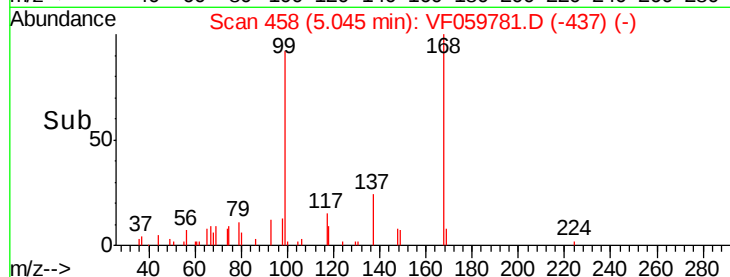
4000

2000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 0.99 min Scan# 47

Delta R.T. 0.01 min

Lab File: VF059781.D

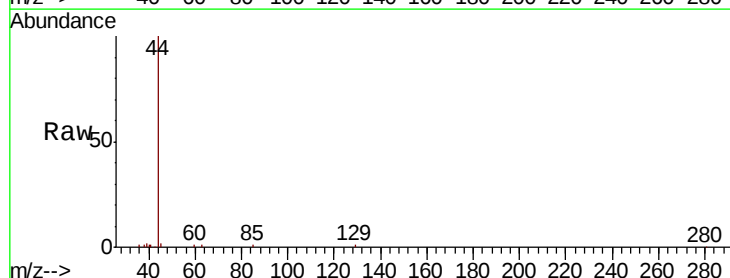
Acq: 2 Aug 2018 4:51

Tgt Ion: 85 Resp: 69

Ion Ratio Lower Upper

85 100

87 0.0 15.3 45.8#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.99

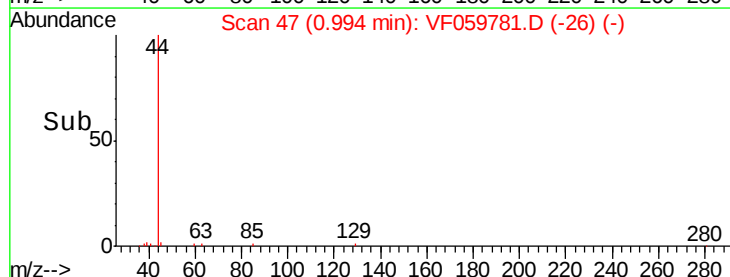
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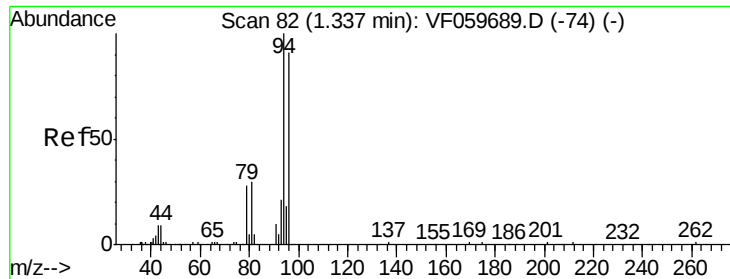
50

0

Time-->

0.96 0.98 1.00 1.02





#5

Bromomethane

Concen: Below Cal

RT: 1.37 min Scan# 85

Delta R.T. 0.03 min

Lab File: VF059781.D

Acq: 2 Aug 2018 4:51

Instrument :

MSVOA_F

ClientSampleId :

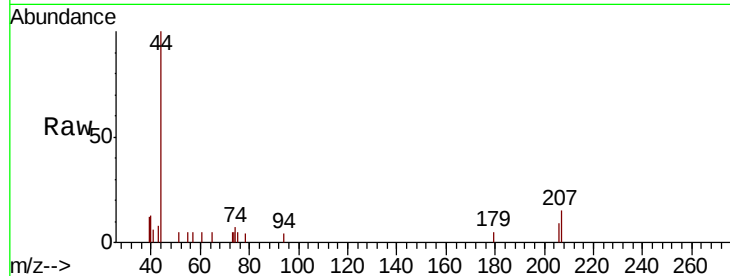
SB-2

Tgt Ion: 94 Resp: 60

Ion Ratio Lower Upper

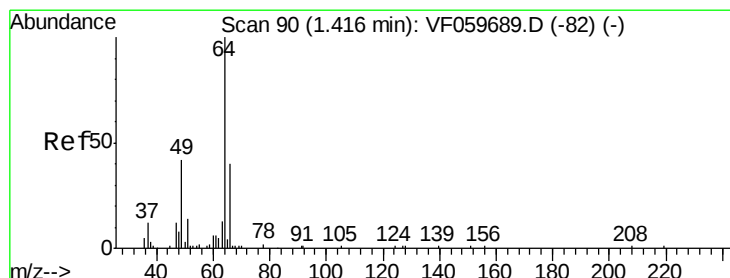
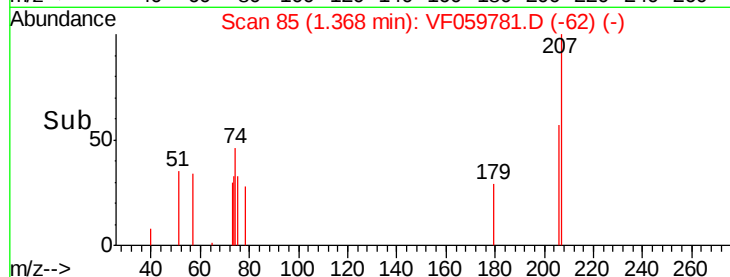
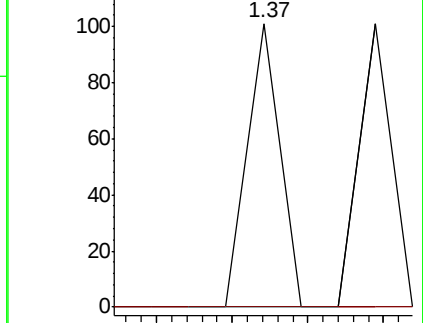
94 100

96 0.0 73.6 110.4#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: Below Cal

RT: 1.42 min Scan# 90

Delta R.T. 0.00 min

Lab File: VF059781.D

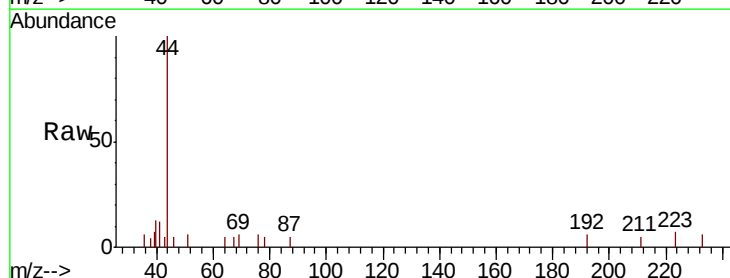
Acq: 2 Aug 2018 4:51

Tgt Ion: 64 Resp: 133

Ion Ratio Lower Upper

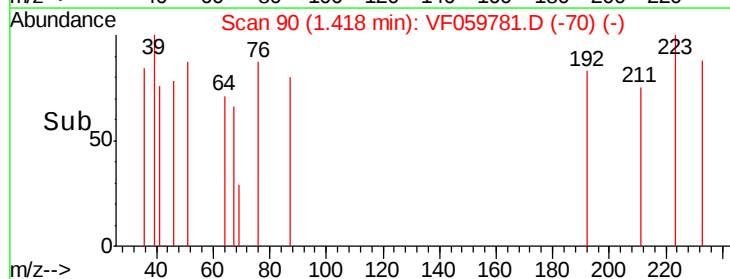
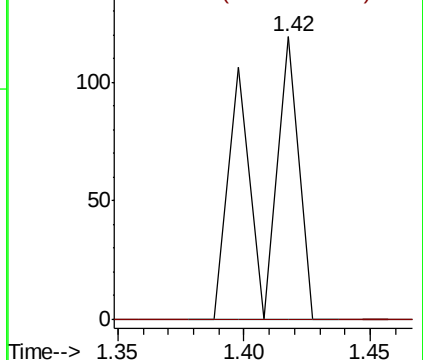
64 100

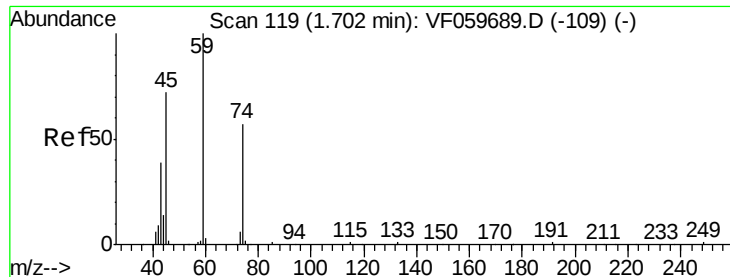
66 0.0 32.6 49.0#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#8

Diethyl Ether

Concen: 1.303 ug/l

RT: 1.68 min Scan# 117

Delta R.T. -0.02 min

Lab File: VF059781.D

Acq: 2 Aug 2018 4:51

Instrument :

MSVOA_F

ClientSampled :

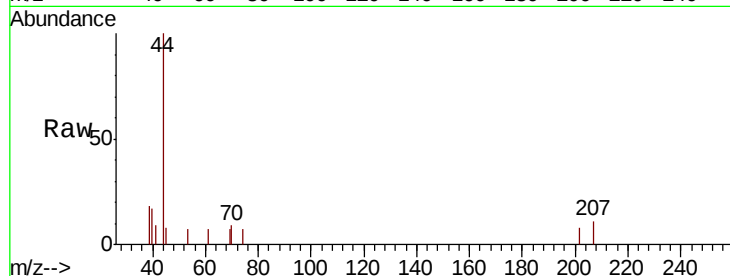
SB-2

Tgt Ion: 74 Resp: 72

Ion Ratio Lower Upper

74 100

45 112.4 62.7 188.2



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

150

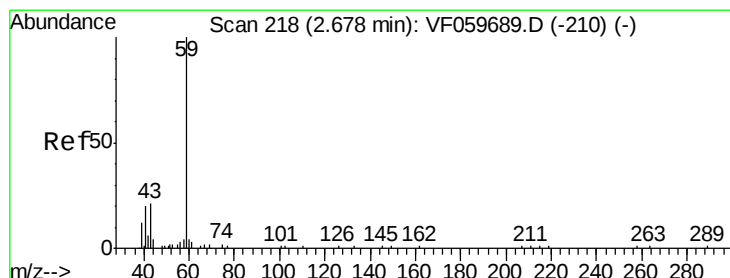
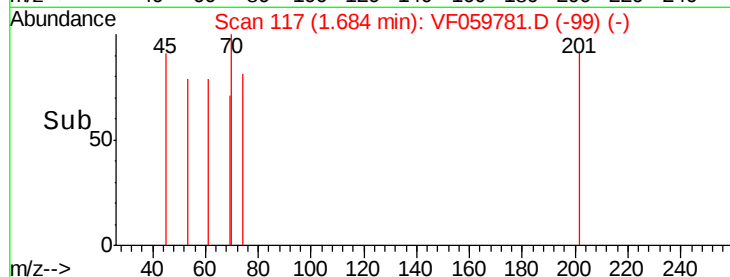
100

50

0

1.66 1.68 1.70

Time-->



#11

Tert butyl alcohol

Concen: 3.505 ug/l

RT: 2.70 min Scan# 220

Delta R.T. 0.02 min

Lab File: VF059781.D

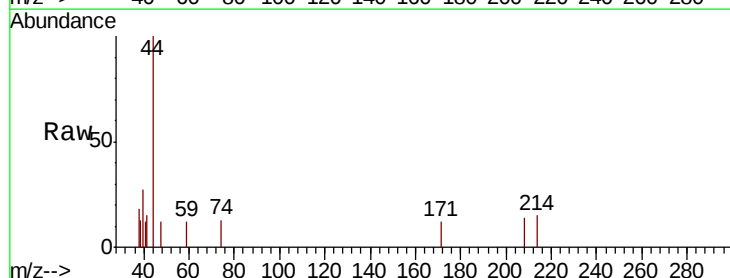
Acq: 2 Aug 2018 4:51

Tgt Ion: 59 Resp: 62

Ion Ratio Lower Upper

59 100

57 0.0 7.6 11.4#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

120

100

80

60

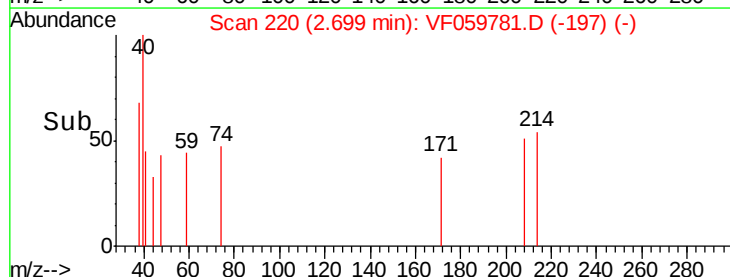
40

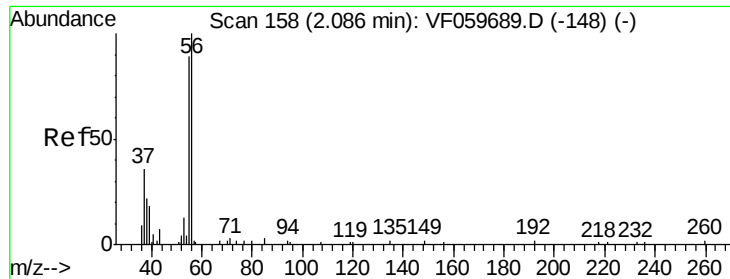
20

0

2.66 2.68 2.70 2.72

Time-->

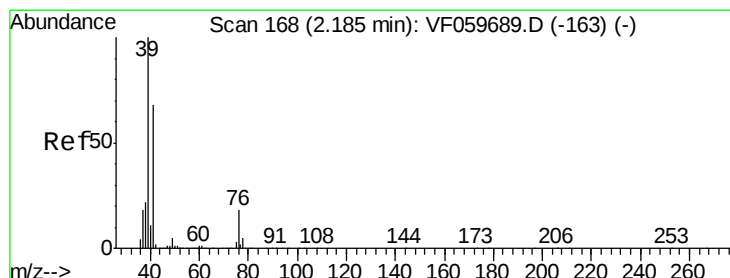
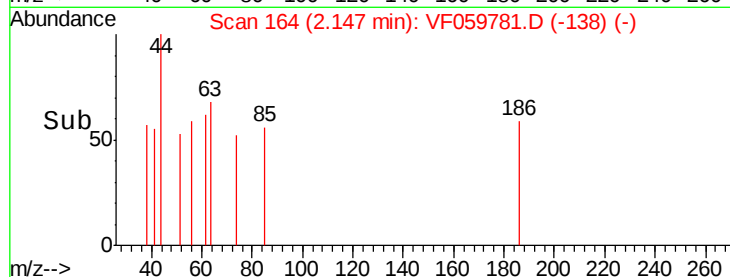
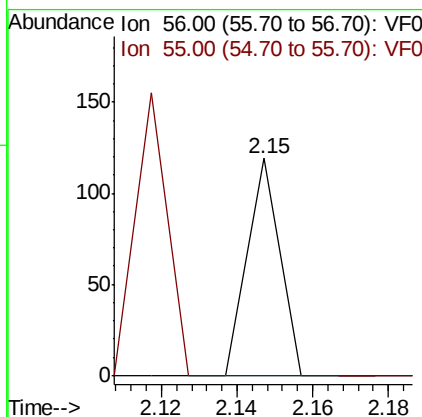
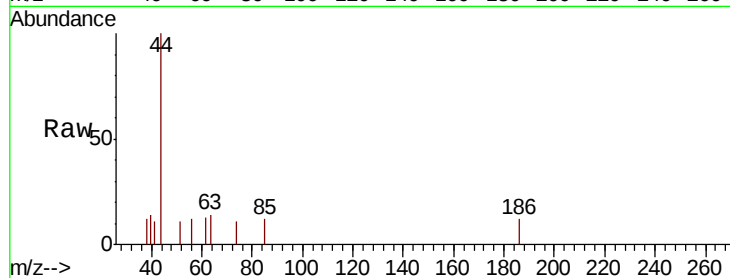




#13
Acrolein
Concen: 26.036 ug/l
RT: 2.15 min Scan# 164
Delta R.T. 0.06 min
Lab File: VF059781.D
Acq: 2 Aug 2018 4:51

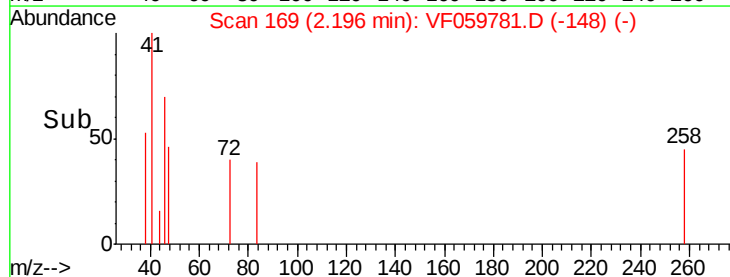
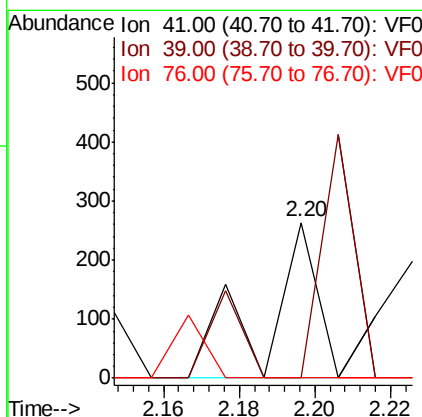
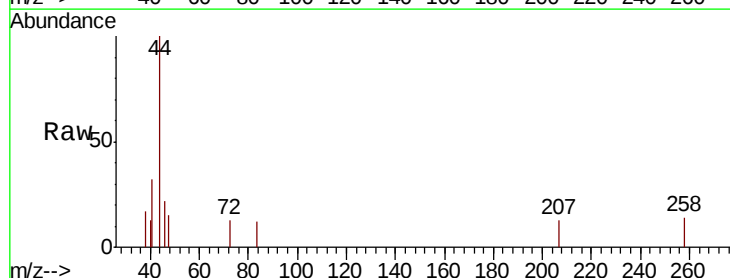
Instrument :
MSVOA_F
ClientSampled :
SB-2

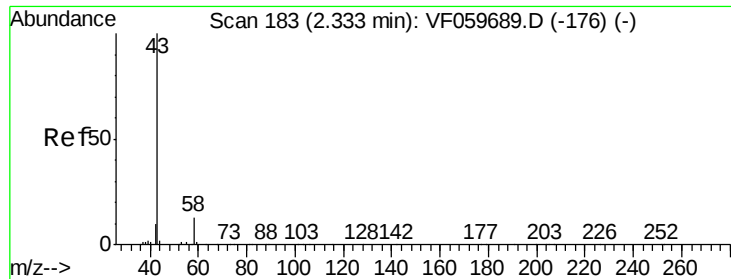
Tgt Ion: 56 Resp: 70
Ion Ratio Lower Upper
56 100
55 0.0 73.2 109.8#



#14
Allyl chloride
Concen: 1.168 ug/l
RT: 2.20 min Scan# 169
Delta R.T. 0.01 min
Lab File: VF059781.D
Acq: 2 Aug 2018 4:51

Tgt Ion: 41 Resp: 250
Ion Ratio Lower Upper
41 100
39 0.0 118.1 177.1#
76 0.0 22.0 33.0#

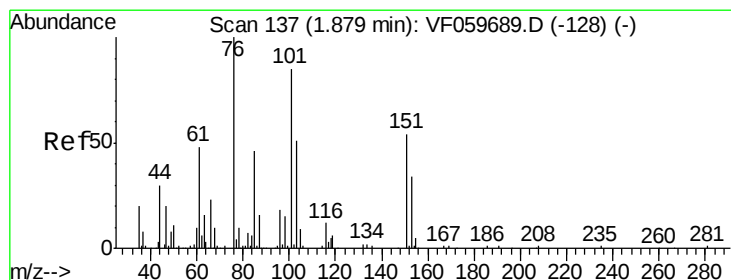
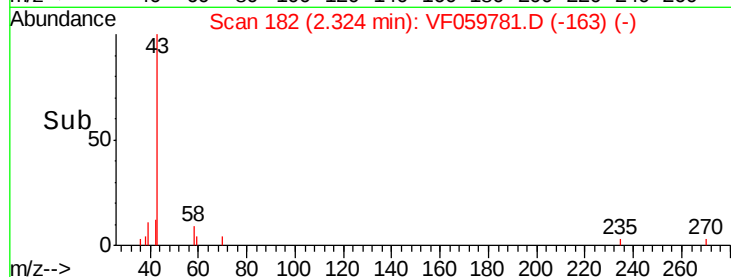
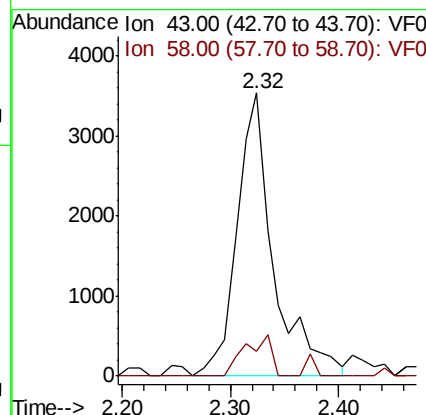
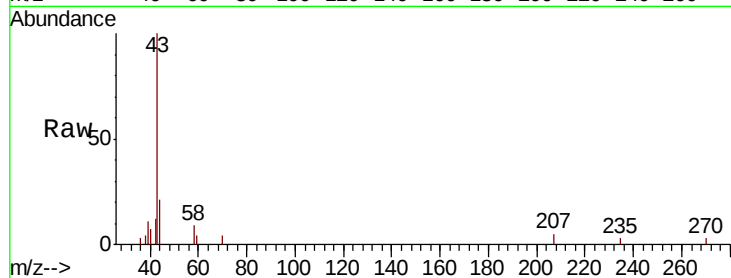




#16
Acetone
Concen: 148.336 ug/l
RT: 2.32 min Scan# 182
Delta R.T. -0.01 min
Lab File: VF059781.D
Acq: 2 Aug 2018 4:51

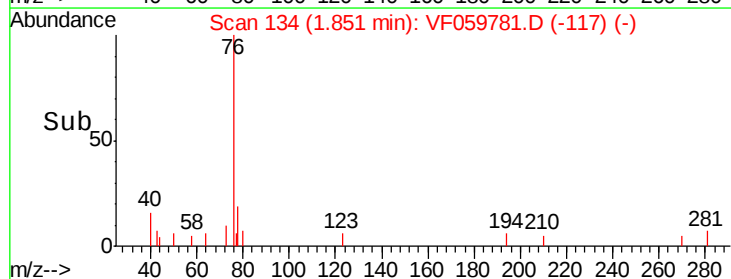
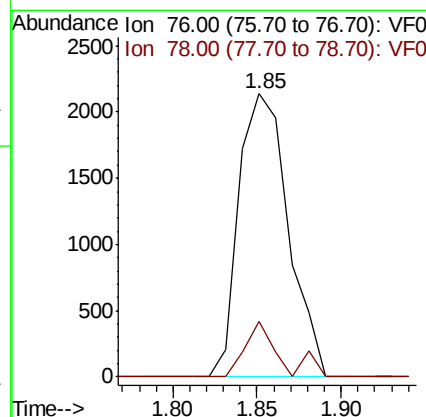
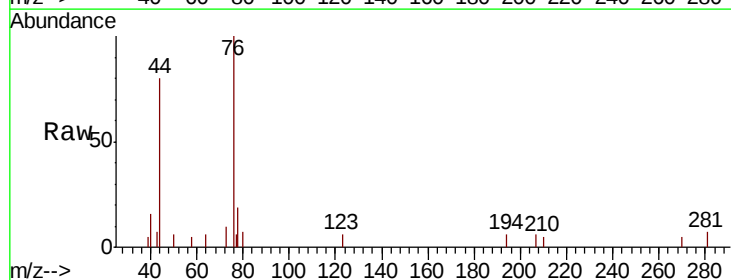
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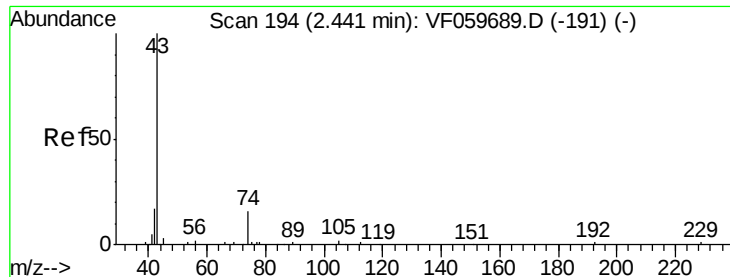
Tgt Ion: 43 Resp: 8299
Ion Ratio Lower Upper
43 100
58 8.6 10.1 15.1#



#17
Carbon Disulfide
Concen: 11.603 ug/l
RT: 1.85 min Scan# 134
Delta R.T. -0.03 min
Lab File: VF059781.D
Acq: 2 Aug 2018 4:51

Tgt Ion: 76 Resp: 4344
Ion Ratio Lower Upper
76 100
78 19.5 8.9 13.3#

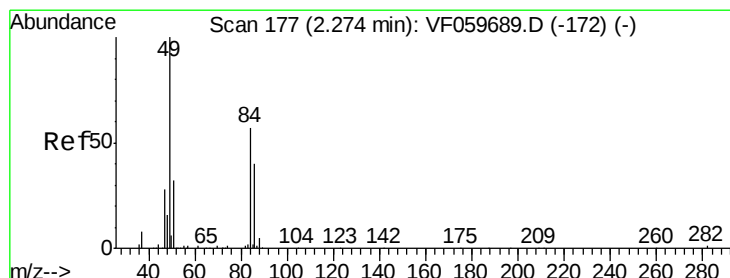
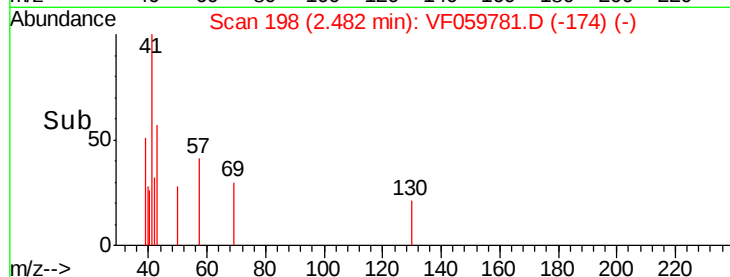
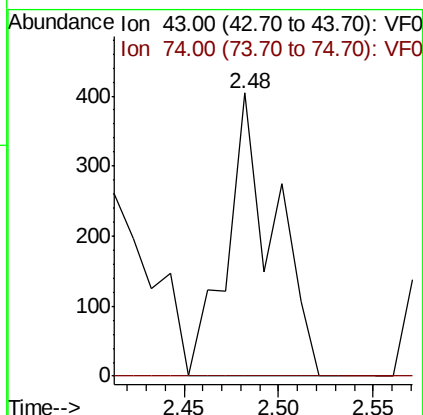
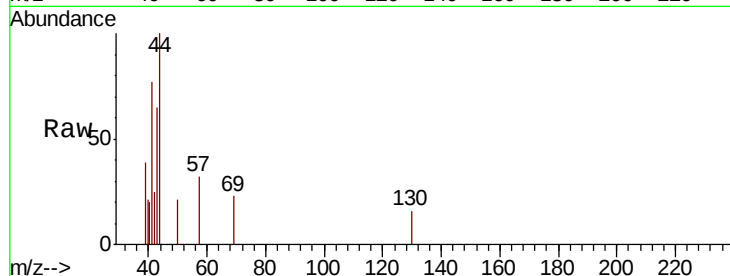




#18
Methyl Acetate
Concen: 3.399 ug/l
RT: 2.48 min Scan# 198
Delta R.T. 0.04 min
Lab File: VF059781.D
Acq: 2 Aug 2018 4:51

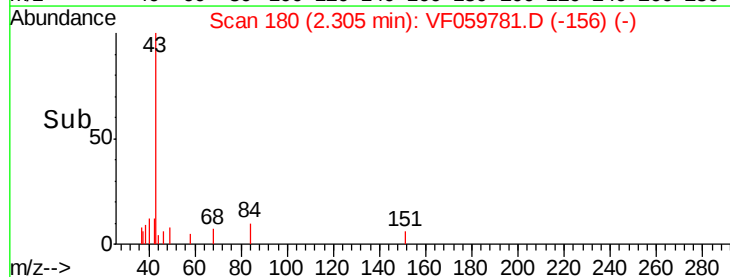
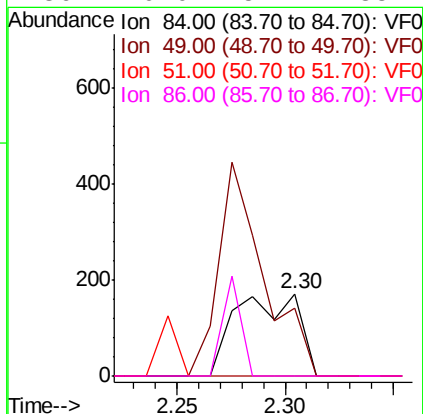
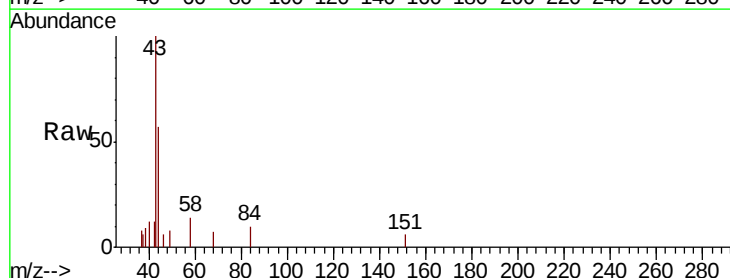
Instrument :
MSVOA_F
ClientSampled :
SB-2

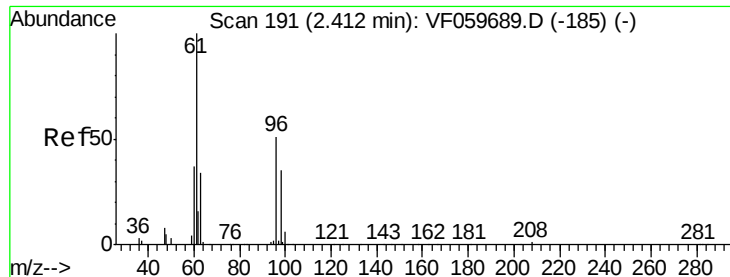
Tgt Ion: 43 Resp: 697
Ion Ratio Lower Upper
43 100
74 0.0 11.8 17.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.30 min Scan# 180
Delta R.T. 0.03 min
Lab File: VF059781.D
Acq: 2 Aug 2018 4:51

Tgt Ion: 84 Resp: 351
Ion Ratio Lower Upper
84 100
49 82.6 142.2 213.4#
51 0.0 46.2 69.2#
86 0.0 57.1 85.7#





#21

trans-1,2-Dichloroethene

Concen: Below Cal

RT: 2.47 min Scan# 197

Delta R.T. 0.06 min

Lab File: VF059781.D

Acq: 2 Aug 2018 4:51

Instrument :

MSVOA_F

ClientSampleId :

SB-2

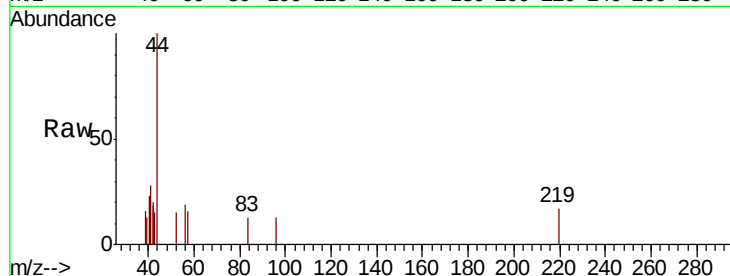
Tgt Ion: 96 Resp: 63

Ion Ratio Lower Upper

96 100

61 0.0 157.4 236.0#

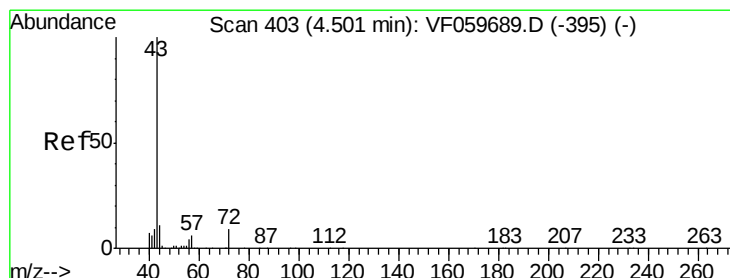
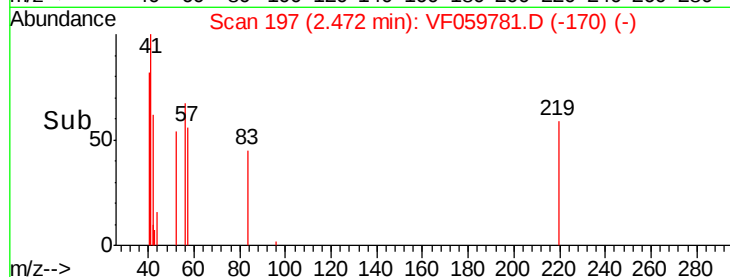
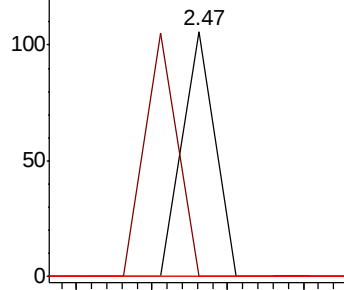
98 0.0 55.0 82.4#



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#25

2-Butanone

Concen: 12.861 ug/l

RT: 4.51 min Scan# 404

Delta R.T. 0.01 min

Lab File: VF059781.D

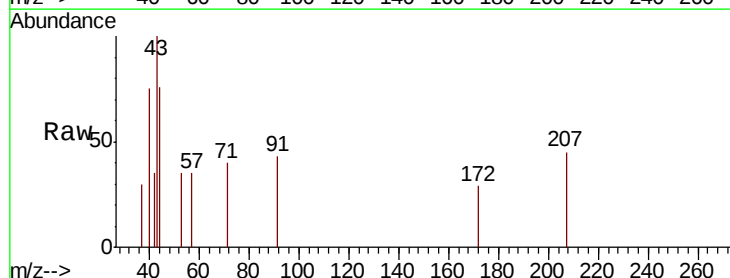
Acq: 2 Aug 2018 4:51

Tgt Ion: 43 Resp: 803

Ion Ratio Lower Upper

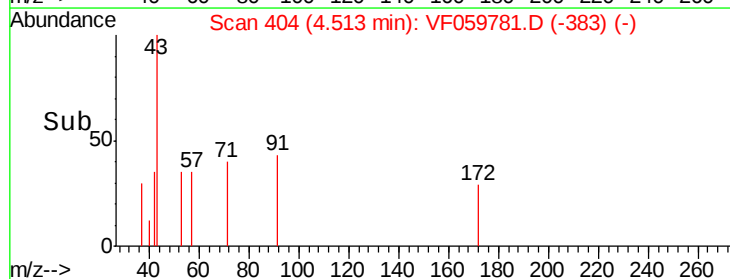
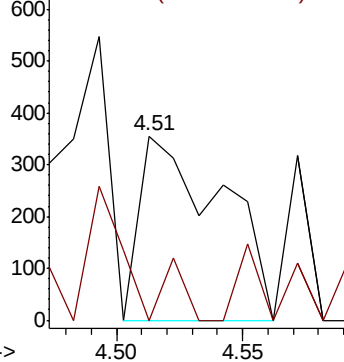
43 100

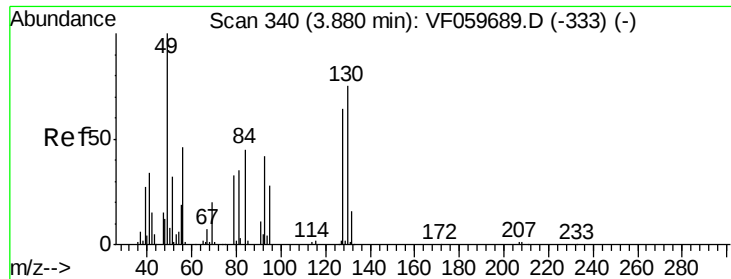
72 0.0 7.7 11.5#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0





#28

Bromochloromethane

Concen: Below Cal

RT: 3.92 min Scan# 344

Delta R.T. 0.04 min

Lab File: VF059781.D

Acq: 2 Aug 2018 4:51

Instrument :

MSVOA_F

ClientSampled :

SB-2

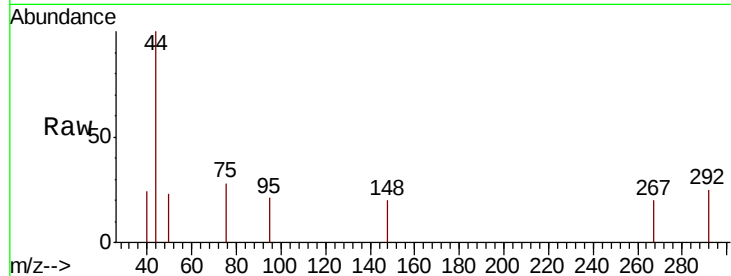
Tgt Ion: 49 Resp: 133

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.8

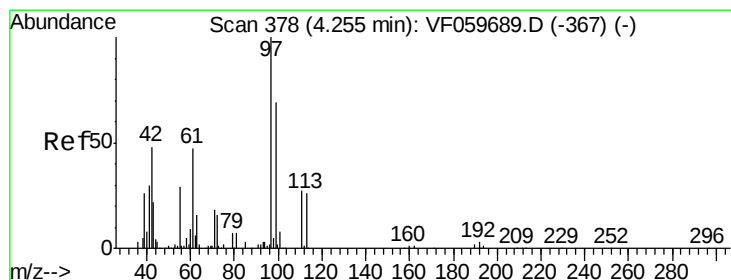
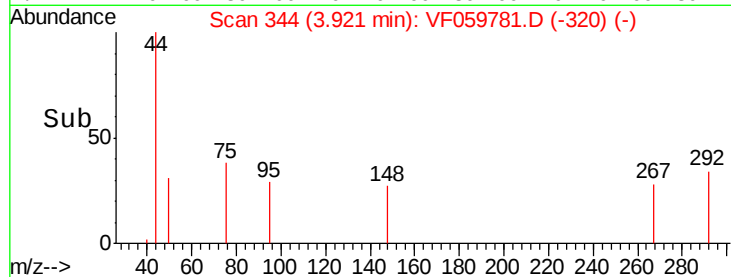
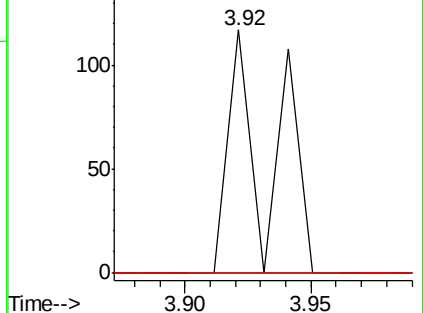
130 0.0 59.6 89.4#



Abundance Ion 49.00 (48.70 to 49.70): VF0

Ion 129.00 (128.70 to 129.70): V

Ion 130.00 (129.70 to 130.70): V



#29

Tetrahydrofuran

Concen: 2.584 ug/l

RT: 4.22 min Scan# 374

Delta R.T. -0.04 min

Lab File: VF059781.D

Acq: 2 Aug 2018 4:51

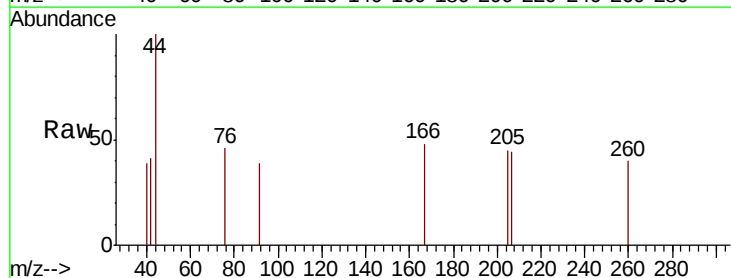
Tgt Ion: 42 Resp: 62

Ion Ratio Lower Upper

42 100

72 116.1 27.0 40.6#

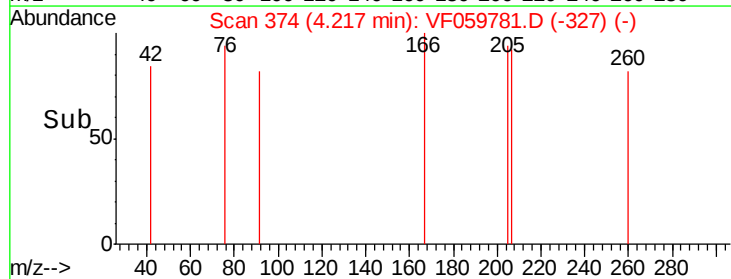
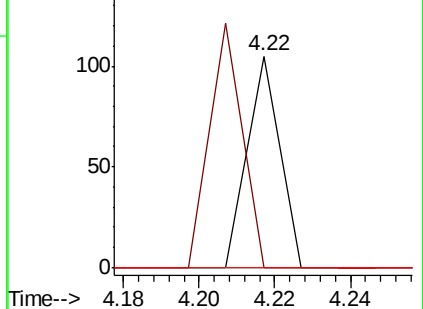
71 0.0 29.7 44.5#

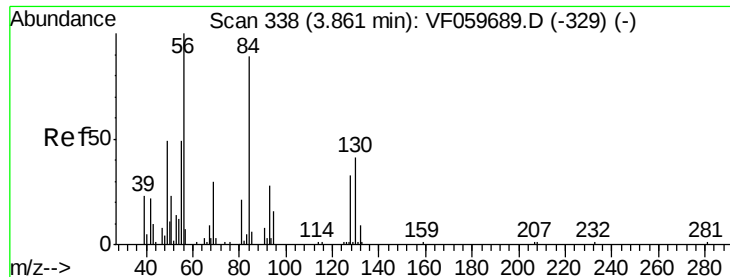


Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0

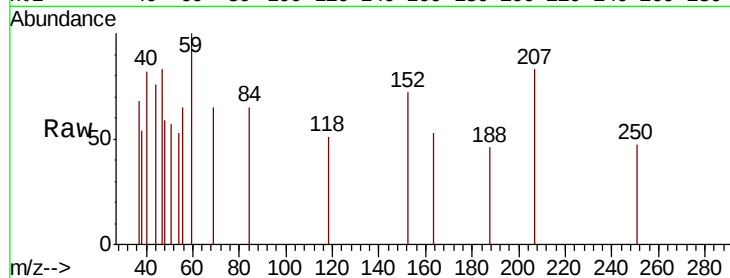




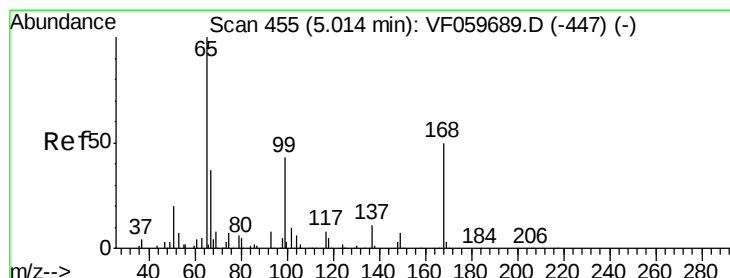
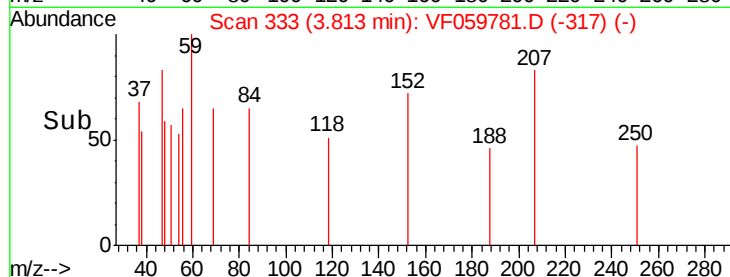
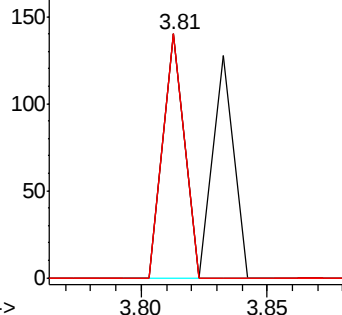
#31
Cyclohexane
Concen: Below Cal
RT: 3.81 min Scan# 333
Delta R.T. -0.05 min
Lab File: VF059781.D
Acq: 2 Aug 2018 4:51

Instrument :
MSVOA_F
ClientSampleId :
SB-2

Tgt Ion: 56 Resp: 158
Ion Ratio Lower Upper
56 100
69 100.0 23.7 35.5#
84 100.0 71.1 106.7

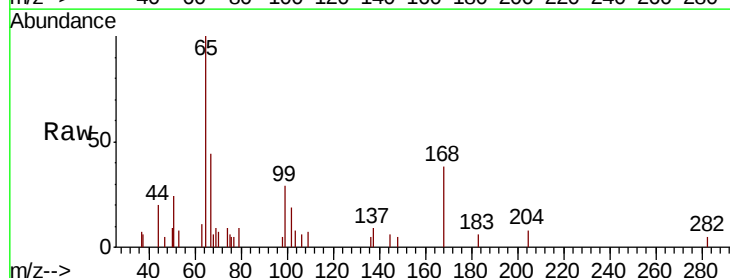


Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0

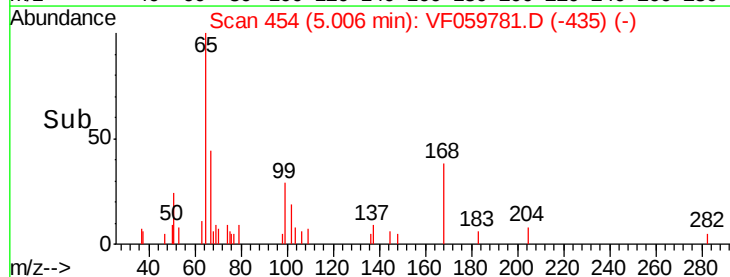
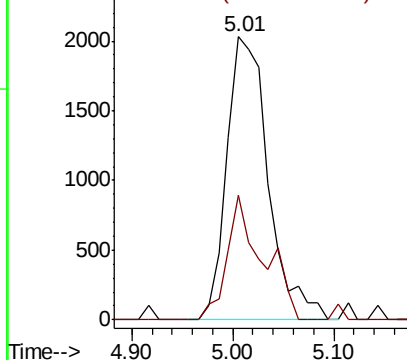


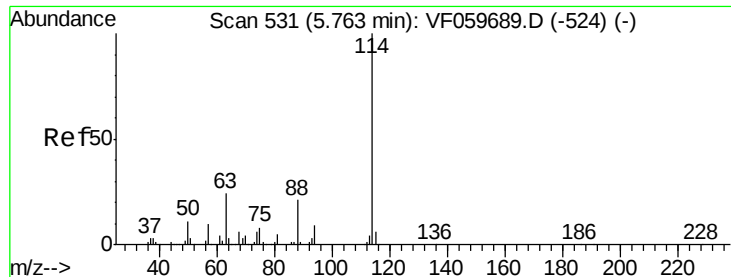
#33
1,2-Dichloroethane-d4
Concen: 18.724 ug/l
RT: 5.01 min Scan# 454
Delta R.T. -0.01 min
Lab File: VF059781.D
Acq: 2 Aug 2018 4:51

Tgt Ion: 65 Resp: 5824
Ion Ratio Lower Upper
65 100
67 44.2 0.0 84.6



Abundance Ion 65.00 (64.70 to 65.70): VF0
Ion 67.00 (66.70 to 67.70): VF0

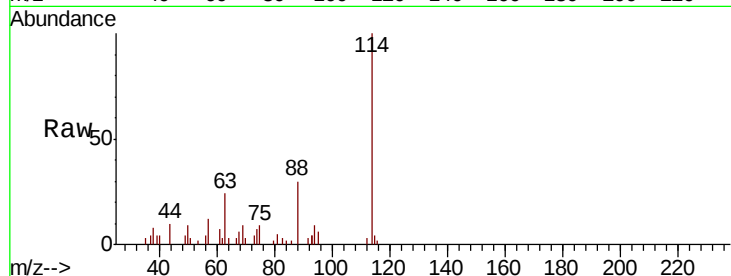




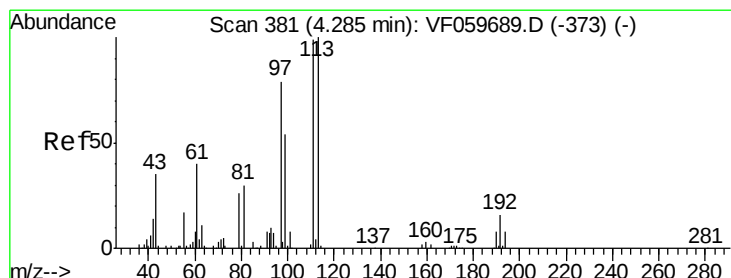
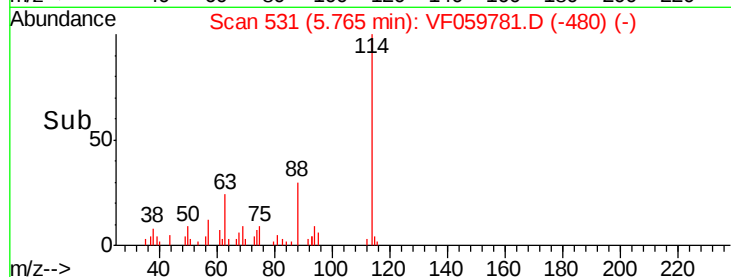
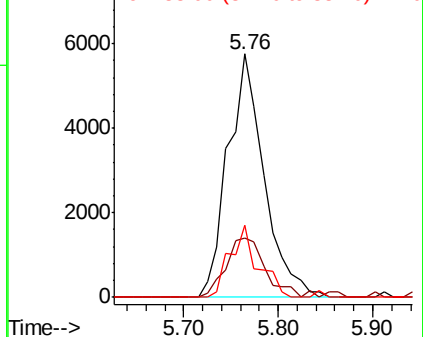
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.76 min Scan# 531
 Delta R.T. 0.00 min
 Lab File: VF059781.D
 Acq: 2 Aug 2018 4:51

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-2

Tgt Ion:	114	Resp:	15305
Ion	Ratio	Lower	Upper
114	100		
63	24.4	0.0	47.4
88	29.8	0.0	41.2

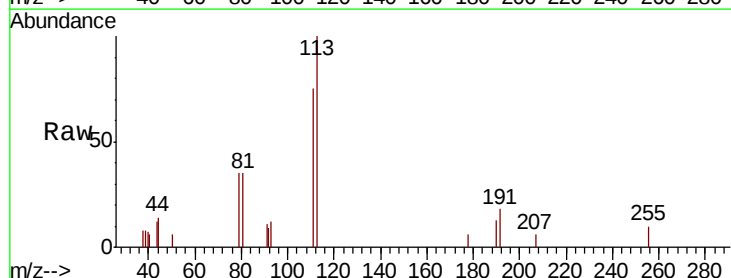


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VF0
 Ion 88.00 (87.70 to 88.70): VF0

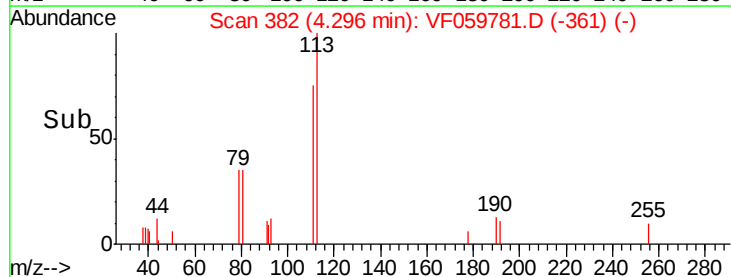
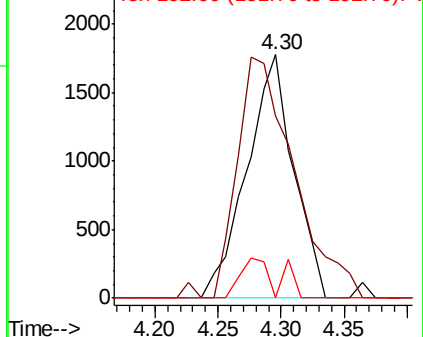


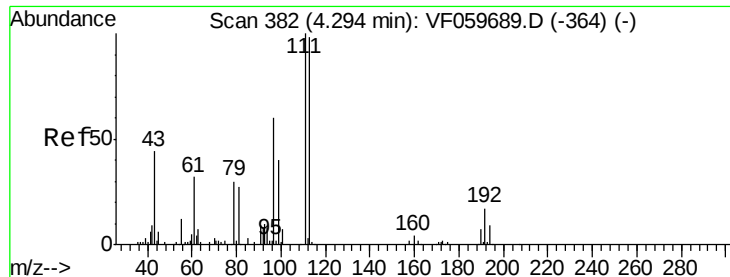
#35
 Dibromofluoromethane
 Concen: 28.899 ug/l
 RT: 4.30 min Scan# 382
 Delta R.T. 0.01 min
 Lab File: VF059781.D
 Acq: 2 Aug 2018 4:51

Tgt Ion:	113	Resp:	4594
Ion	Ratio	Lower	Upper
113	100		
111	74.8	79.0	118.4#
192	0.0	13.2	19.8#



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

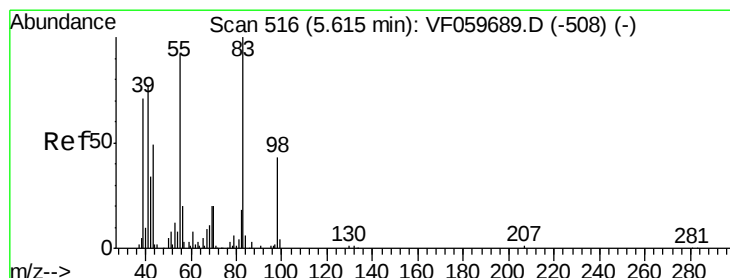
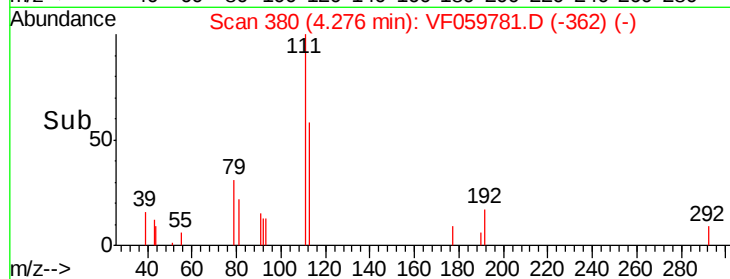
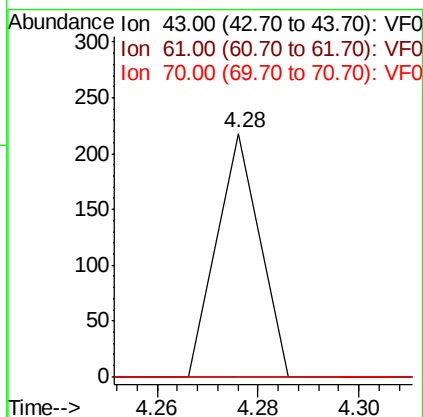
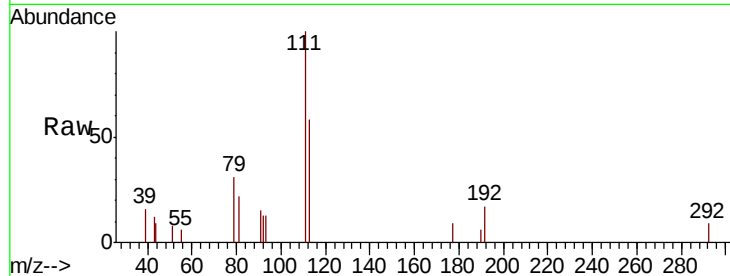




#37
Ethyl Acetate
Concen: Below Cal
RT: 4.28 min Scan# 380
Delta R.T. -0.02 min
Lab File: VF059781.D
Acq: 2 Aug 2018 4:51

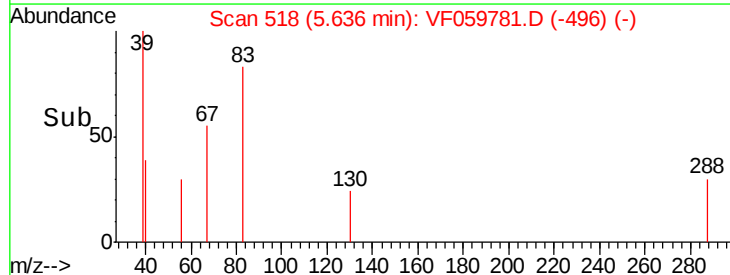
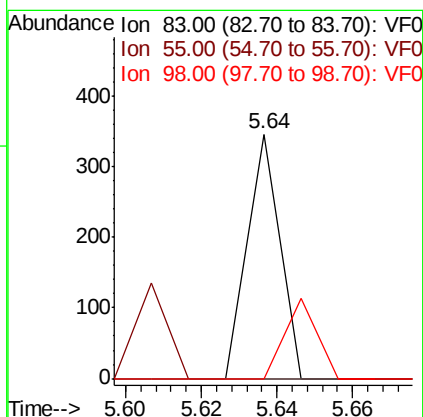
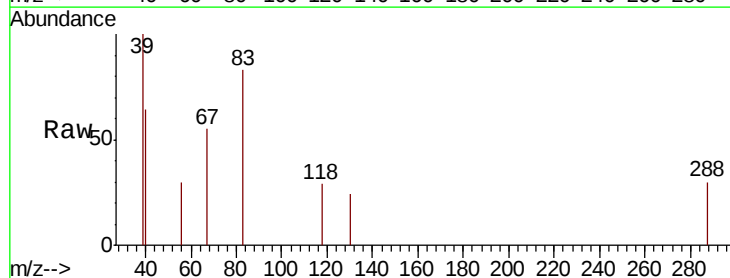
Instrument :
MSVOA_F
ClientSampleId :
SB-2

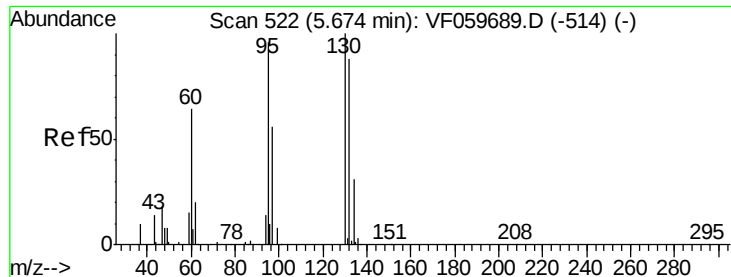
Tgt Ion: 43 Resp: 129
Ion Ratio Lower Upper
43 100
61 0.0 58.2 87.2#
70 0.0 6.0 9.0#



#39
Methylcyclohexane
Concen: Below Cal
RT: 5.64 min Scan# 518
Delta R.T. 0.02 min
Lab File: VF059781.D
Acq: 2 Aug 2018 4:51

Tgt Ion: 83 Resp: 205
Ion Ratio Lower Upper
83 100
55 0.0 73.4 110.2#
98 0.0 34.2 51.4#

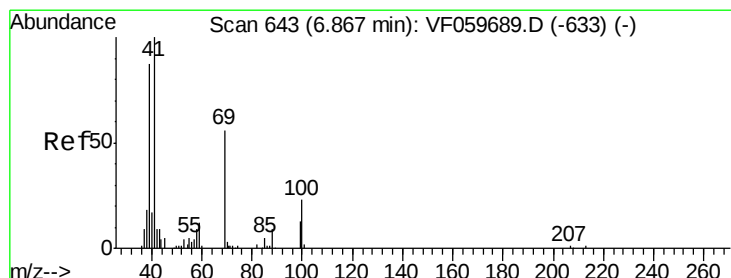
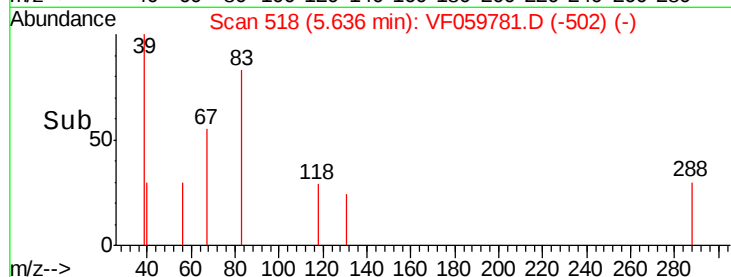
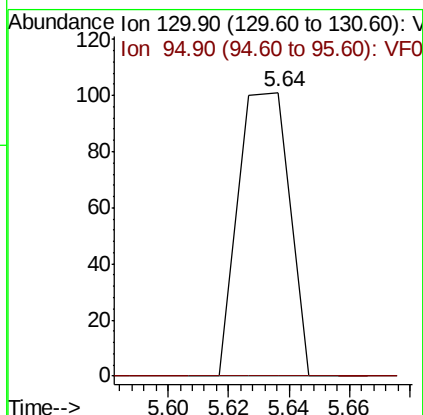
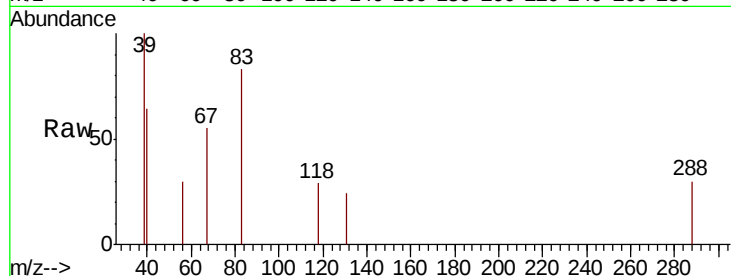




#44
 Trichloroethene
 Concen: Below Cal
 RT: 5.64 min Scan# 518
 Delta R.T. -0.04 min
 Lab File: VF059781.D
 Acq: 2 Aug 2018 4:51

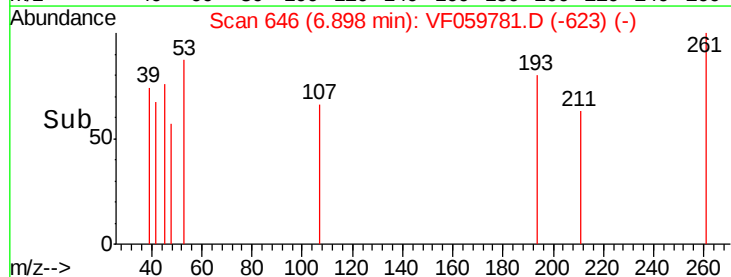
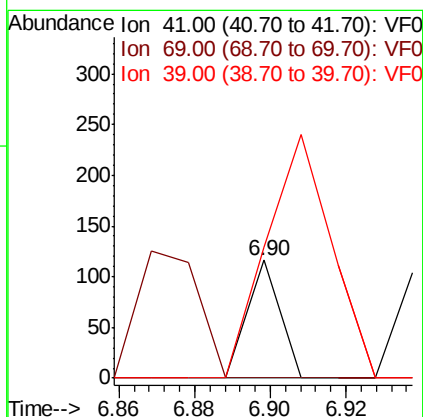
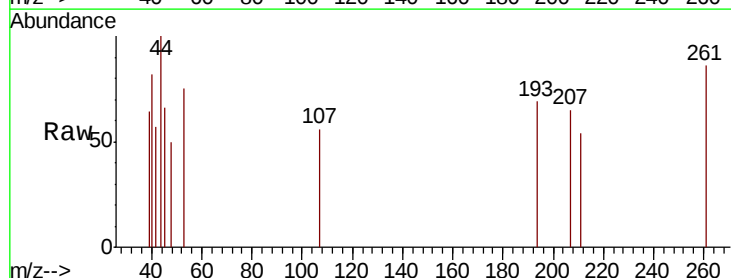
Instrument :
 MSVOA_F
 ClientSampled :
 SB-2

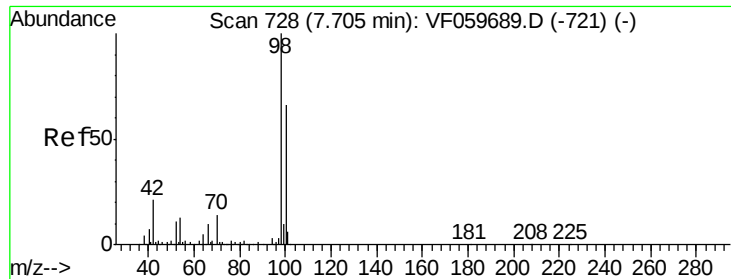
Tgt Ion: 130 Resp: 119
 Ion Ratio Lower Upper
 130 100
 95 0.0 0.0 191.0



#48
 Methyl methacrylate
 Concen: 1.002 ug/l
 RT: 6.90 min Scan# 646
 Delta R.T. 0.03 min
 Lab File: VF059781.D
 Acq: 2 Aug 2018 4:51

Tgt Ion: 41 Resp: 69
 Ion Ratio Lower Upper
 41 100
 69 0.0 44.4 66.6#
 39 111.2 69.4 104.2#

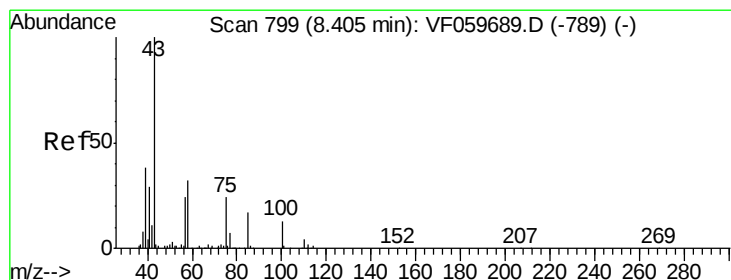
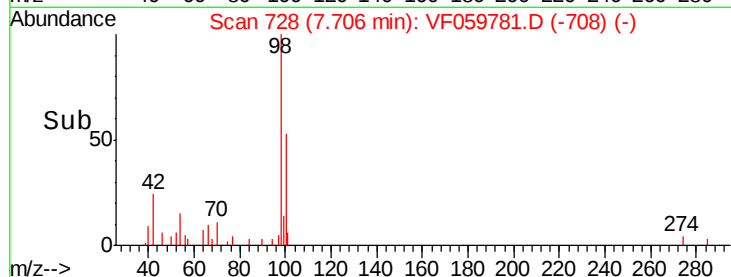
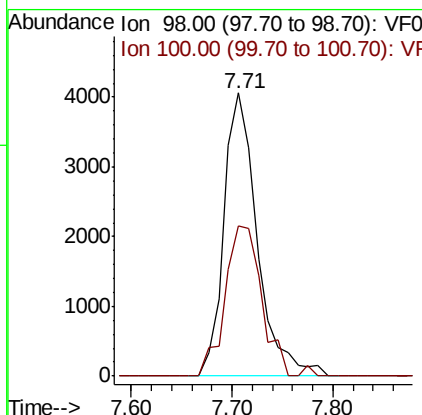
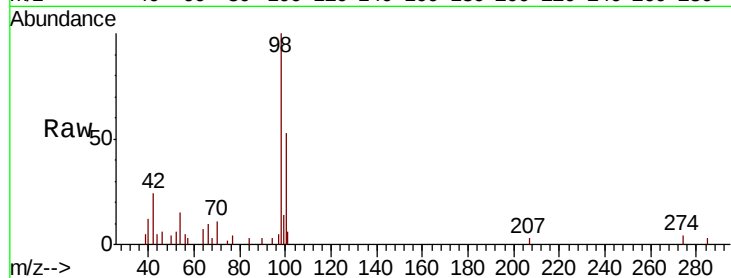




#50
Toluene-d8
Concen: 25.098 ug/l
RT: 7.71 min Scan# 728
Delta R.T. 0.00 min
Lab File: VF059781.D
Acq: 2 Aug 2018 4:51

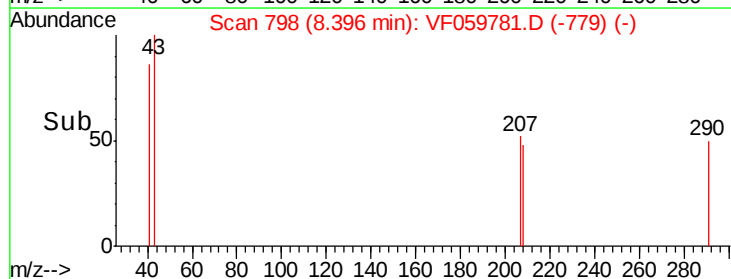
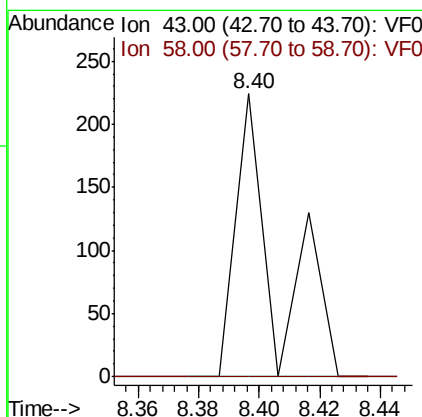
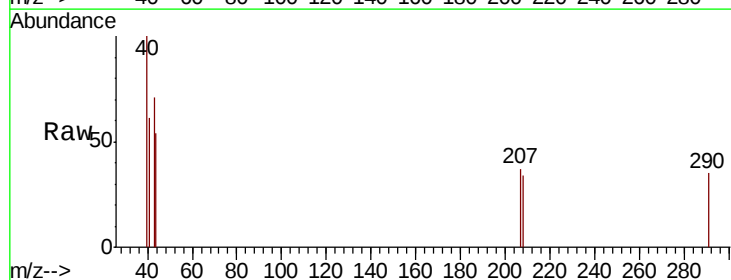
Instrument :
MSVOA_F
ClientSampleId :
SB-2

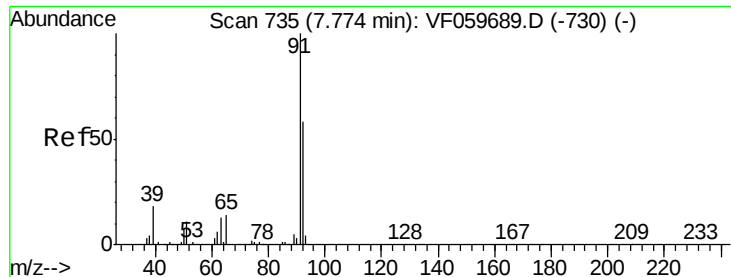
Tgt Ion: 98 Resp: 9304
Ion Ratio Lower Upper
98 100
100 53.2 52.8 79.2



#51
4-Methyl-2-Pentanone
Concen: 3.002 ug/l
RT: 8.40 min Scan# 798
Delta R.T. -0.01 min
Lab File: VF059781.D
Acq: 2 Aug 2018 4:51

Tgt Ion: 43 Resp: 209
Ion Ratio Lower Upper
43 100
58 0.0 25.9 38.9#

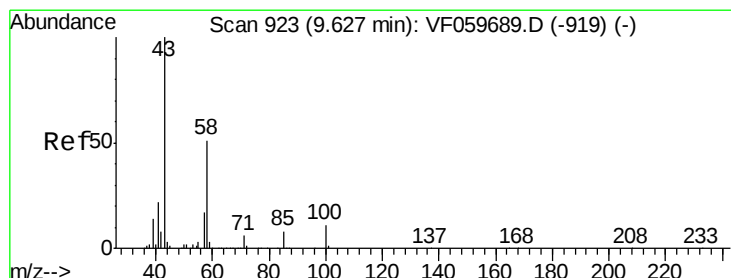
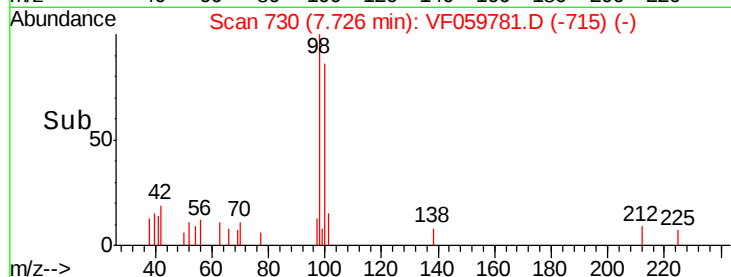
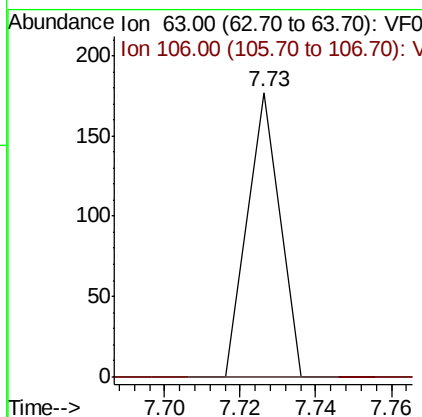
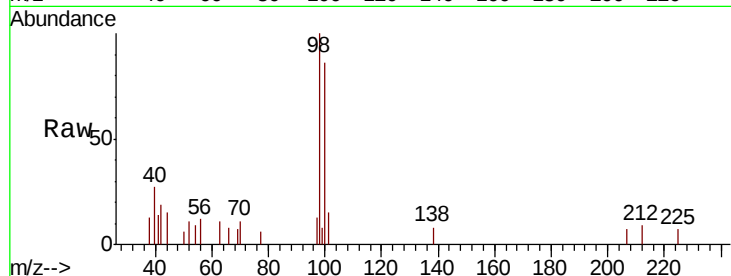




#58
 2-Chloroethyl Vinyl ether
 Concen: 10.417 ug/l
 RT: 7.73 min Scan# 730
 Delta R.T. -0.05 min
 Lab File: VF059781.D
 Acq: 2 Aug 2018 4:51

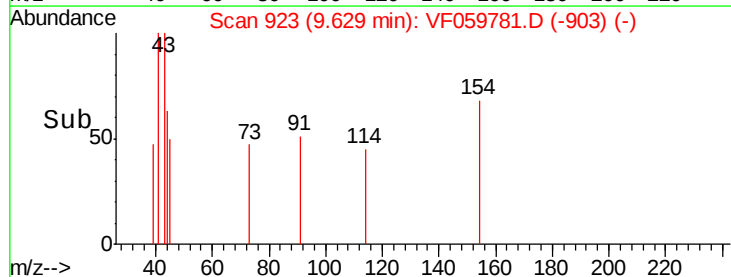
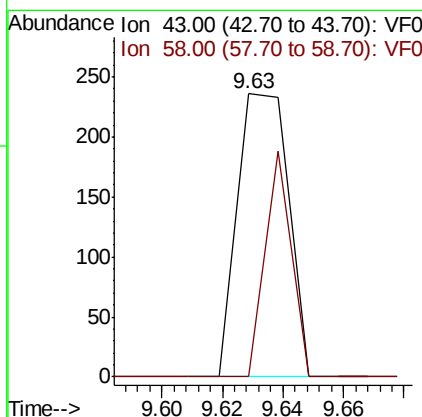
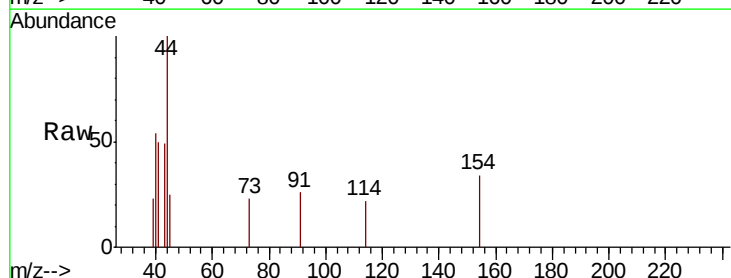
Instrument :
 MSVOA_F
 ClientSampleId :
 SB-2

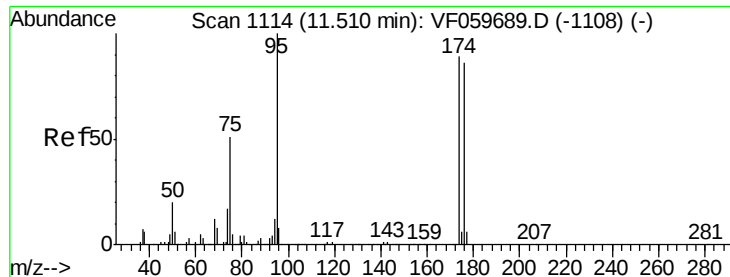
Tgt Ion: 63 Resp: 105
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0



#59
 2-Hexanone
 Concen: 4.965 ug/l
 RT: 9.63 min Scan# 923
 Delta R.T. 0.00 min
 Lab File: VF059781.D
 Acq: 2 Aug 2018 4:51

Tgt Ion: 43 Resp: 277
 Ion Ratio Lower Upper
 43 100
 58 0.0 23.3 69.8#





#62

4-Bromofluorobenzene

Concen: 5.789 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VF059781.D

Acq: 2 Aug 2018 4:51

Instrument :

MSVOA_F

ClientSampleId :

SB-2

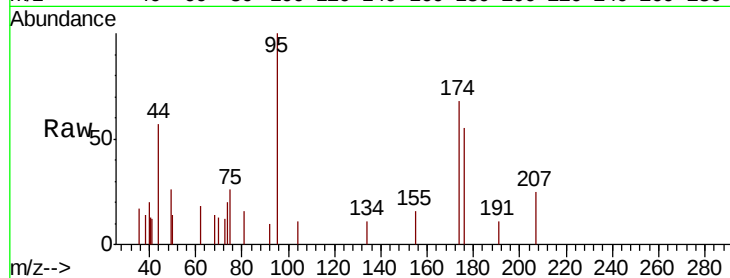
Tgt Ion: 95 Resp: 1188

Ion Ratio Lower Upper

95 100

174 68.4 0.0 178.4

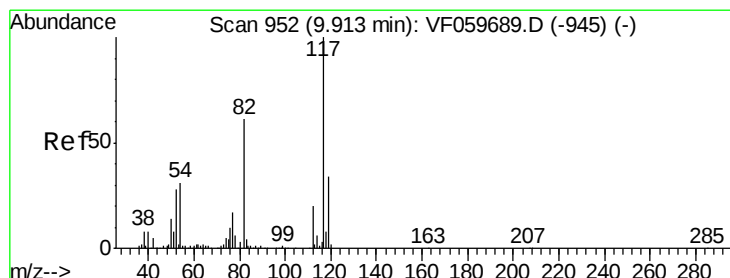
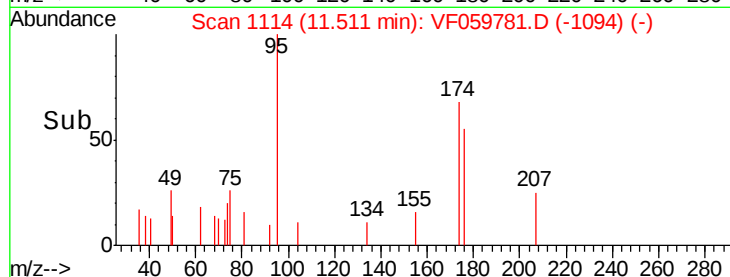
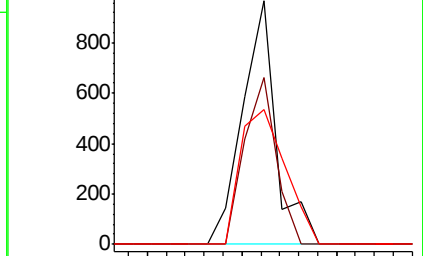
176 55.2 0.0 173.0



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.91 min Scan# 952

Delta R.T. 0.00 min

Lab File: VF059781.D

Acq: 2 Aug 2018 4:51

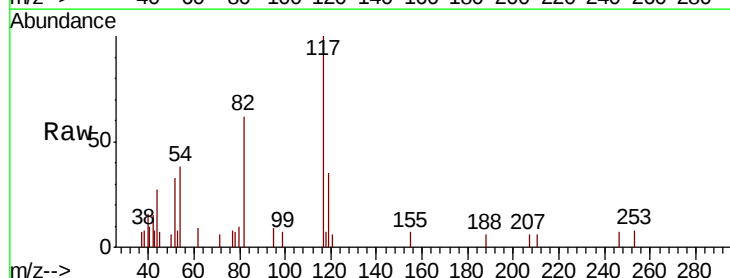
Tgt Ion: 117 Resp: 3768

Ion Ratio Lower Upper

117 100

82 61.9 49.0 73.4

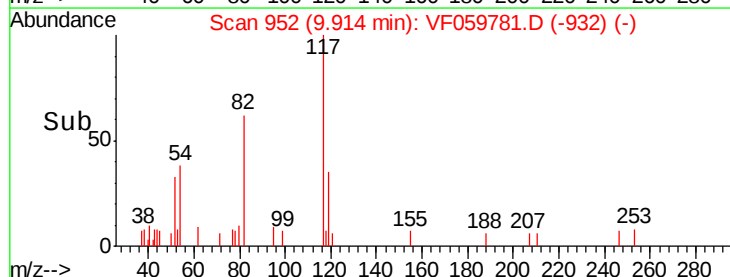
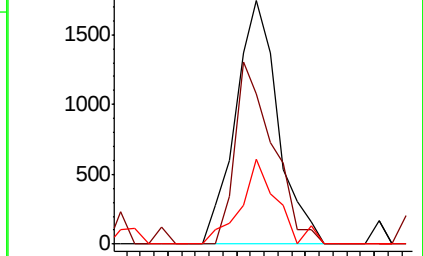
119 35.1 27.3 40.9

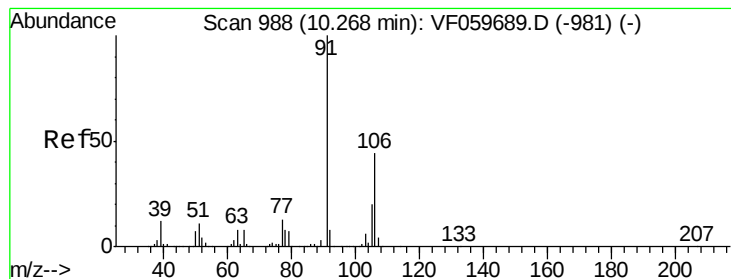


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V





#68

m/p-Xylenes

Concen: Below Cal

RT: 10.12 min Scan# 973

Delta R.T. -0.15 min

Lab File: VF059781.D

Acq: 2 Aug 2018 4:51

Instrument :

MSVOA_F

ClientSampled :

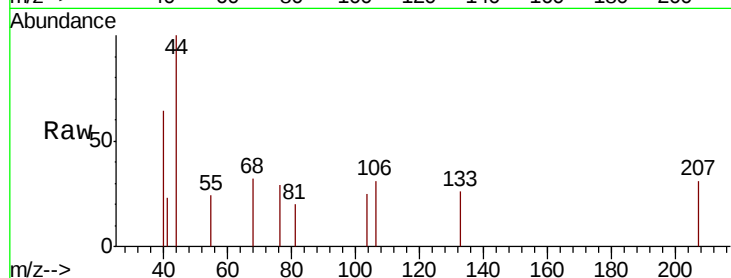
SB-2

Tgt Ion:106 Resp: 95

Ion Ratio Lower Upper

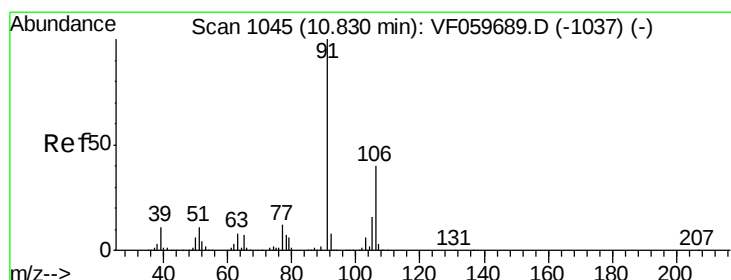
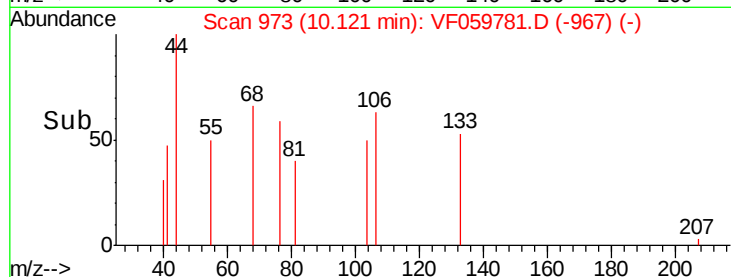
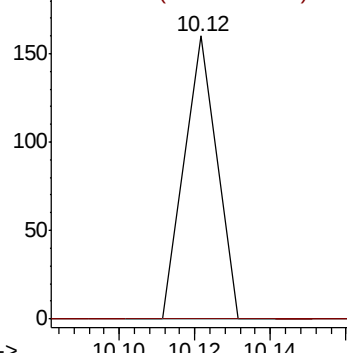
106 100

91 0.0 181.7 272.5#



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0



#69

o-Xylene

Concen: 1.332 ug/l

RT: 10.97 min Scan# 1059

Delta R.T. 0.14 min

Lab File: VF059781.D

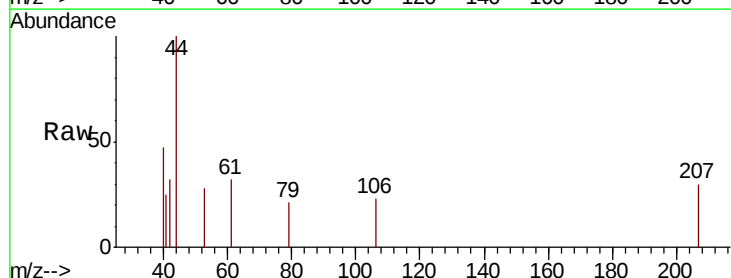
Acq: 2 Aug 2018 4:51

Tgt Ion:106 Resp: 64

Ion Ratio Lower Upper

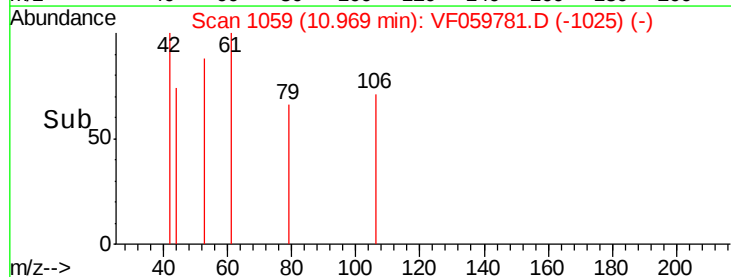
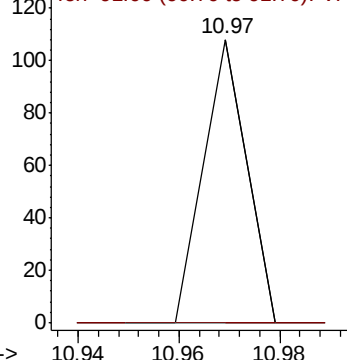
106 100

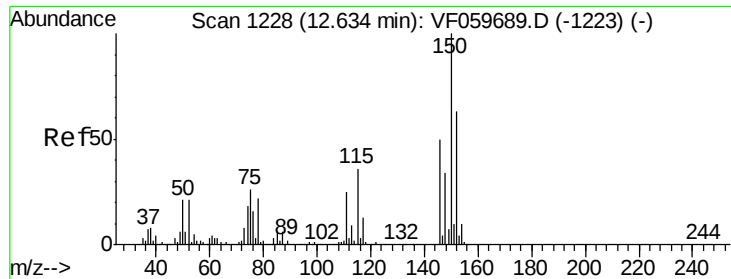
91 0.0 124.6 373.7#



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0



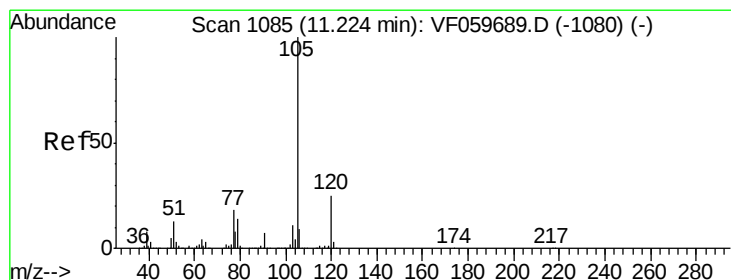
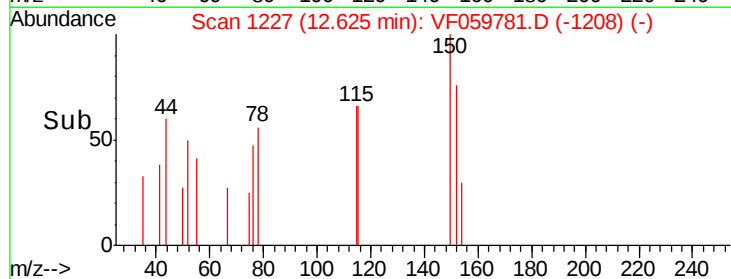
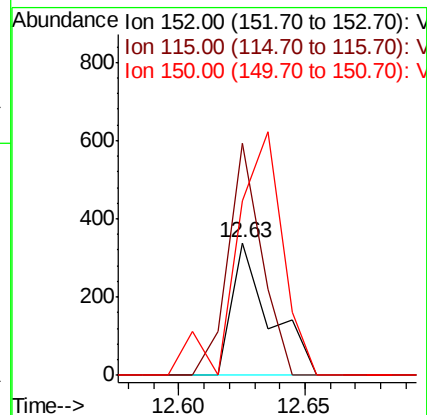
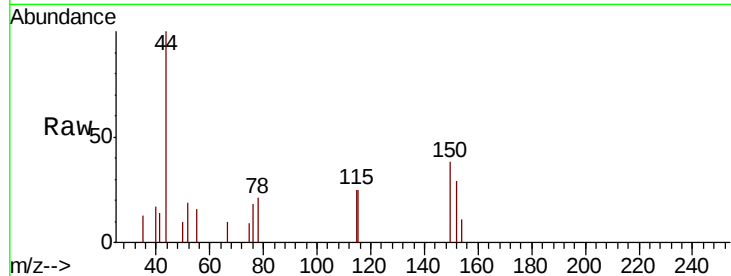


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. -0.01 min
Lab File: VF059781.D
Acq: 2 Aug 2018 4:51

Instrument :
MSVOA_F
ClientSampled :
SB-2

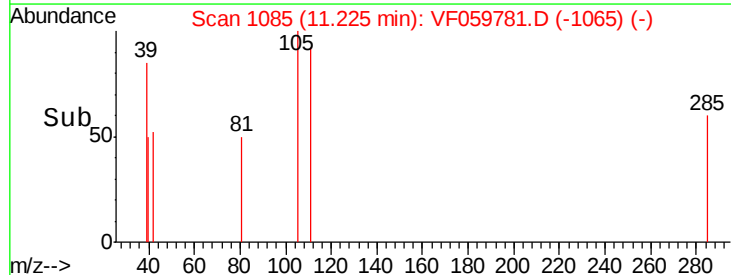
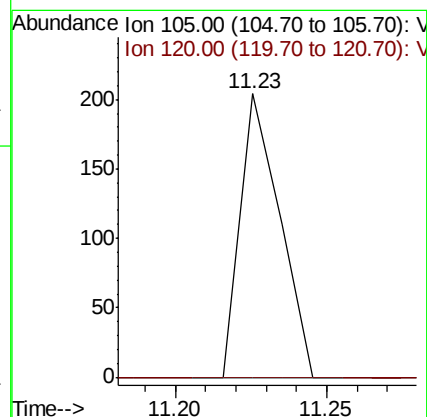
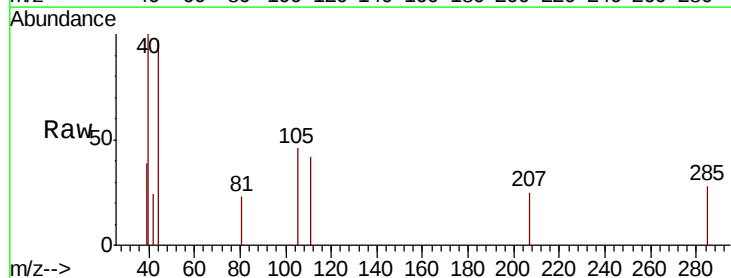
Tgt Ion:152 Resp: 355
Ion Ratio Lower Upper
152 100
115 174.6 28.2 84.6#
150 131.9 0.0 316.2

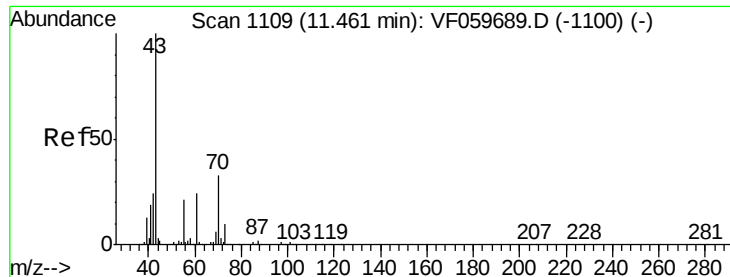


#73

Isopropylbenzene
Concen: 7.985 ug/l
RT: 11.23 min Scan# 1085
Delta R.T. 0.00 min
Lab File: VF059781.D
Acq: 2 Aug 2018 4:51

Tgt Ion:105 Resp: 186
Ion Ratio Lower Upper
105 100
120 0.0 12.4 37.4#





#74

N-ethyl acetate

Concen: 38.627 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VF059781.D

Acq: 2 Aug 2018 4:51

Instrument :

MSVOA_F

ClientSampled :

SB-2

Tgt Ion: 43 Resp: 227

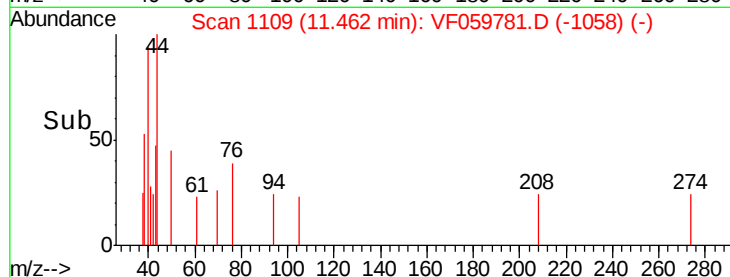
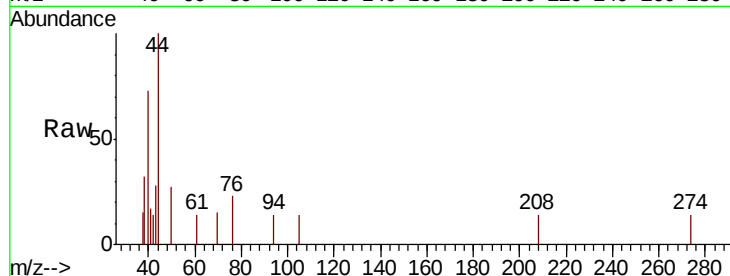
Ion Ratio Lower Upper

43 100

70 0.0 26.3 39.5#

55 0.0 16.6 25.0#

61 49.3 19.1 28.7#

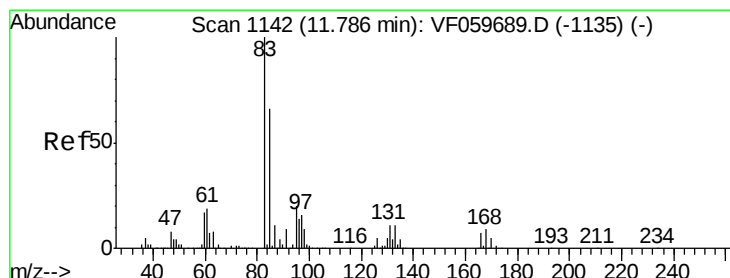
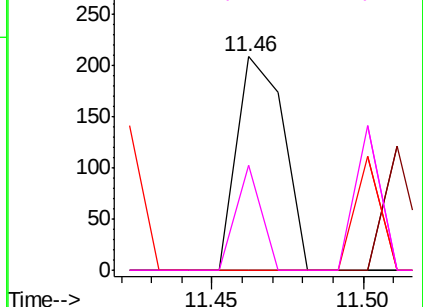


Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 35.350 ug/l

RT: 11.72 min Scan# 1135

Delta R.T. -0.07 min

Lab File: VF059781.D

Acq: 2 Aug 2018 4:51

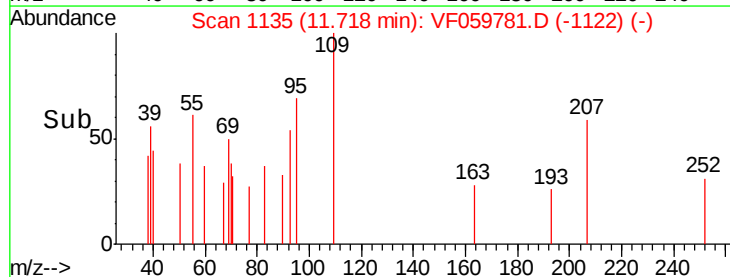
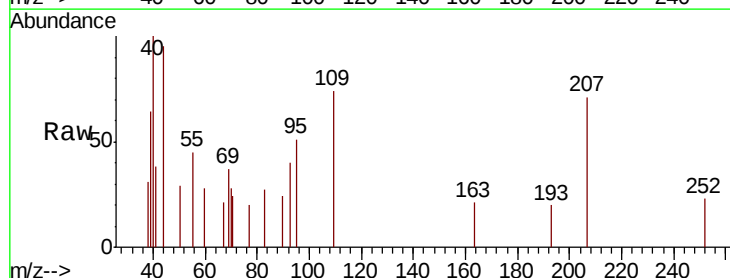
Tgt Ion: 83 Resp: 155

Ion Ratio Lower Upper

83 100

131 0.0 5.8 17.3#

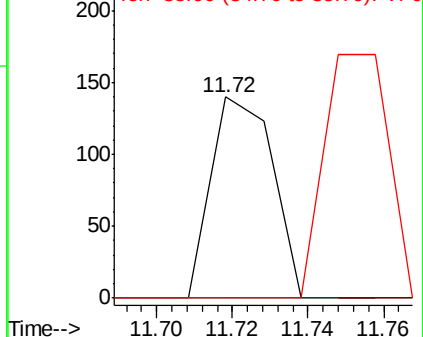
85 0.0 32.8 98.3#

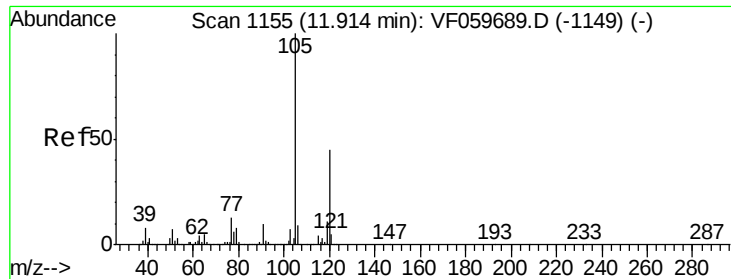


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0

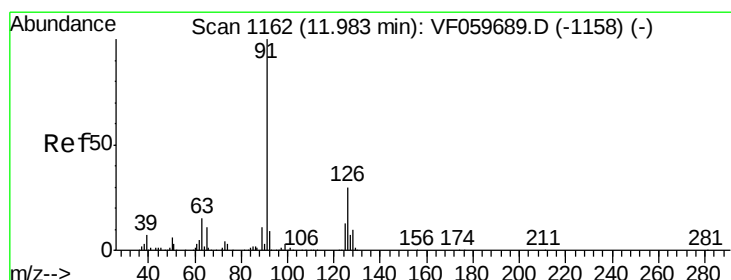
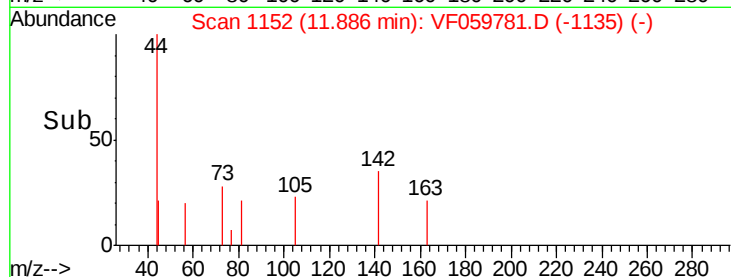
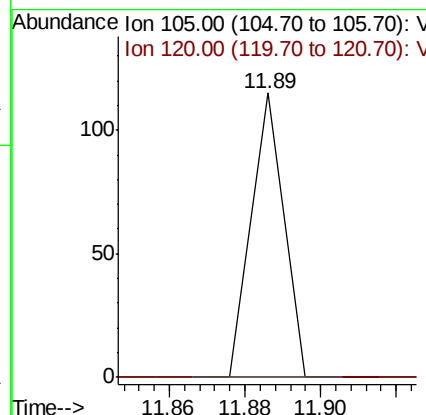
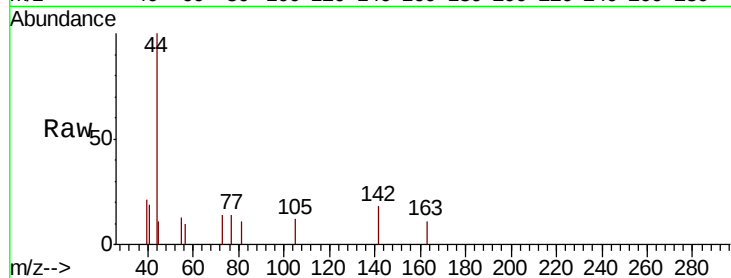




#80
 1,3,5-Trimethylbenzene
 Concen: Below Cal
 RT: 11.89 min Scan# 1152
 Delta R.T. -0.03 min
 Lab File: VF059781.D
 Acq: 2 Aug 2018 4:51

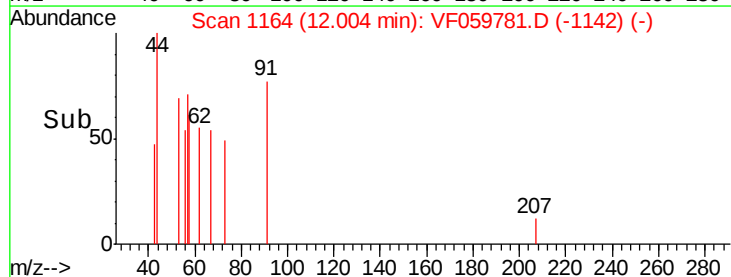
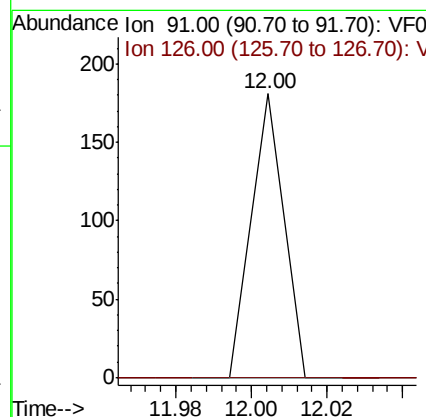
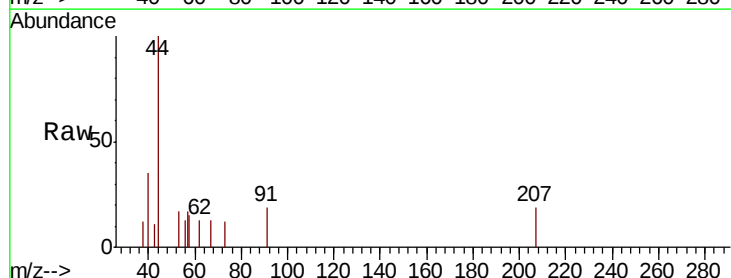
Instrument :
 MSVOA_F
 ClientSampled :
 SB-2

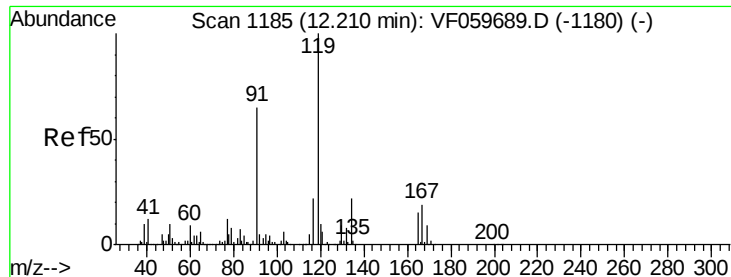
Tgt Ion: 105 Resp: 68
 Ion Ratio Lower Upper
 105 100
 120 0.0 22.7 68.0#



#82
 4-Chlorotoluene
 Concen: 2.884 ug/l
 RT: 12.00 min Scan# 1164
 Delta R.T. 0.02 min
 Lab File: VF059781.D
 Acq: 2 Aug 2018 4:51

Tgt Ion: 91 Resp: 107
 Ion Ratio Lower Upper
 91 100
 126 0.0 15.2 45.6#

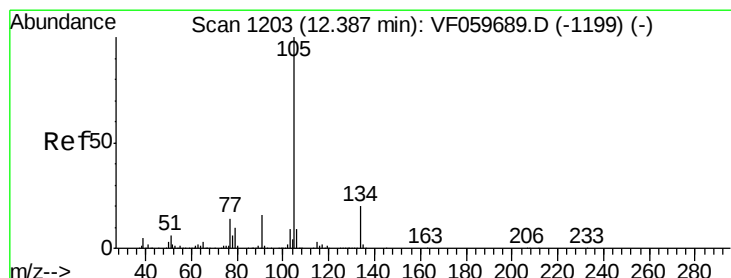
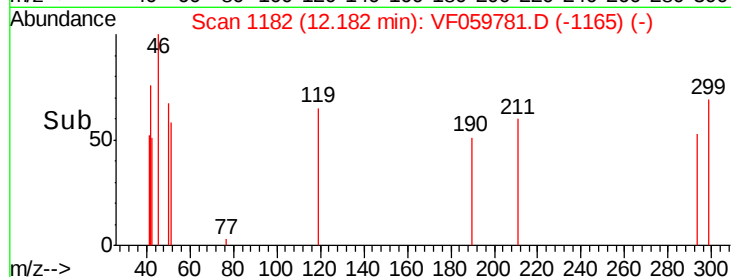
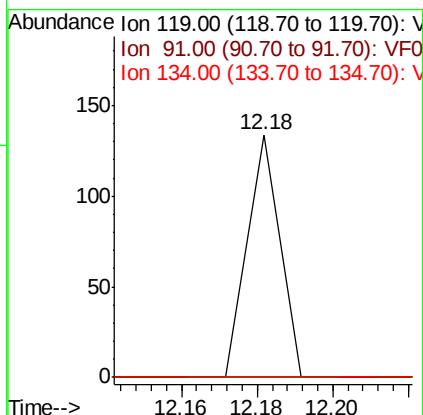
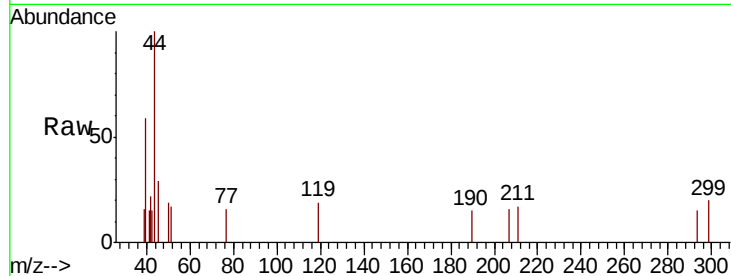




#83
tert-Butylbenzene
Concen: 3.778 ug/l
RT: 12.18 min Scan# 1182
Delta R.T. -0.03 min
Lab File: VF059781.D
Acq: 2 Aug 2018 4:51

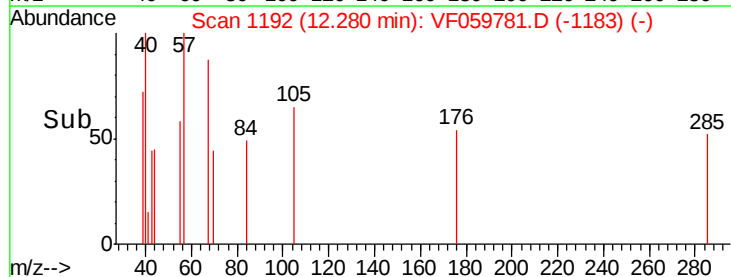
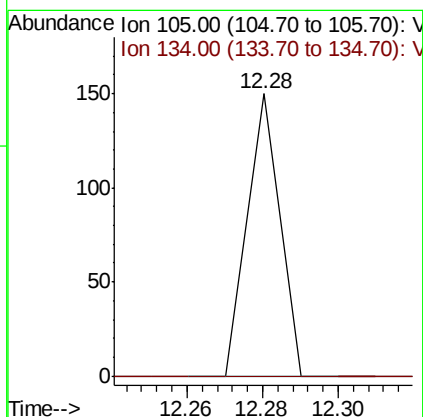
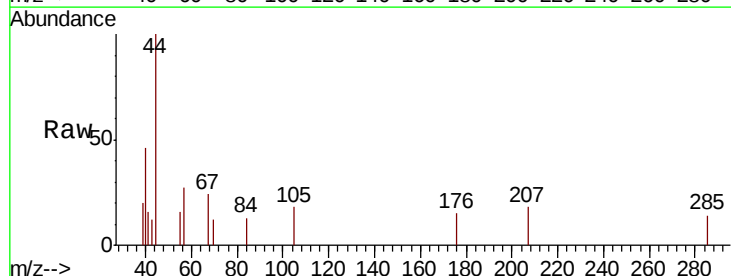
Instrument :
MSVOA_F
ClientSampled :
SB-2

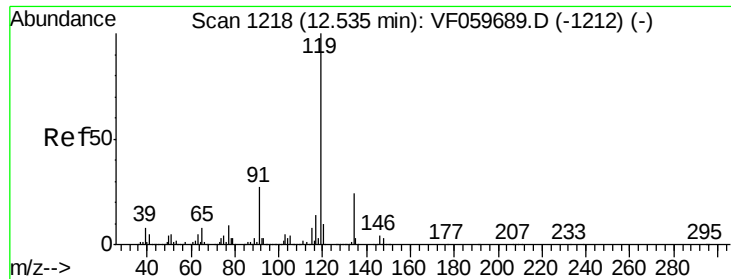
Tgt Ion:119 Resp: 79
Ion Ratio Lower Upper
119 100
91 0.0 32.8 98.4#
134 0.0 10.9 32.7#



#85
sec-Butylbenzene
Concen: Below Cal
RT: 12.28 min Scan# 1192
Delta R.T. -0.11 min
Lab File: VF059781.D
Acq: 2 Aug 2018 4:51

Tgt Ion:105 Resp: 89
Ion Ratio Lower Upper
105 100
134 0.0 9.8 29.3#

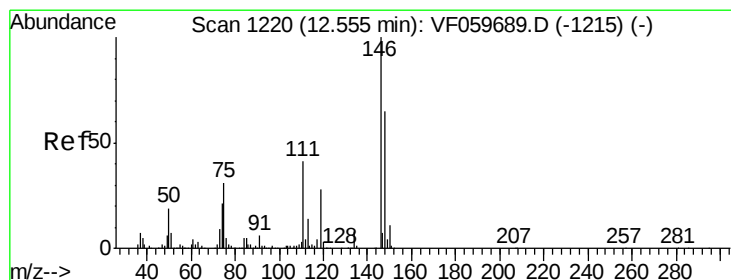
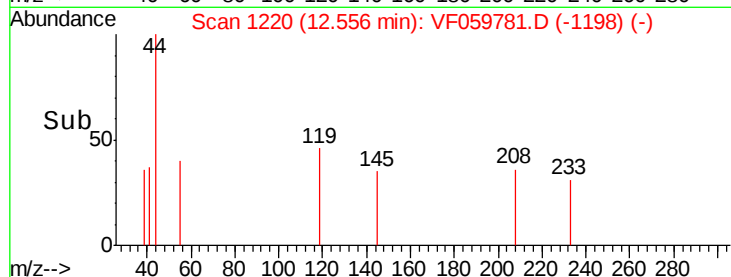
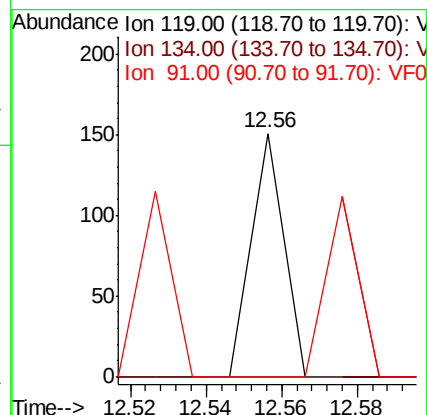
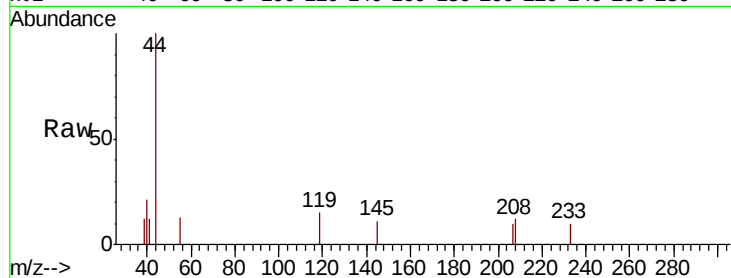




#86
p-Isopropyltoluene
Concen: Below Cal
RT: 12.56 min Scan# 1220
Delta R.T. 0.02 min
Lab File: VF059781.D
Acq: 2 Aug 2018 4:51

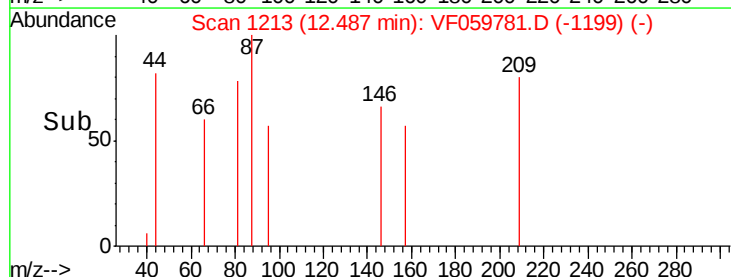
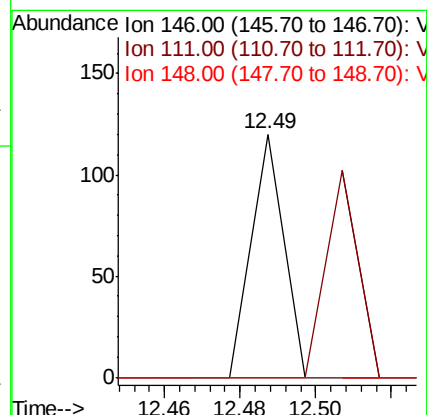
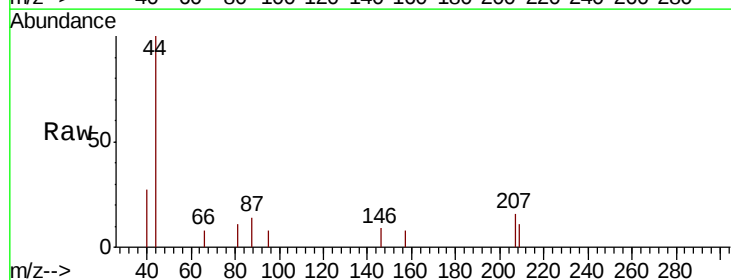
Instrument :
MSVOA_F
ClientSampleId :
SB-2

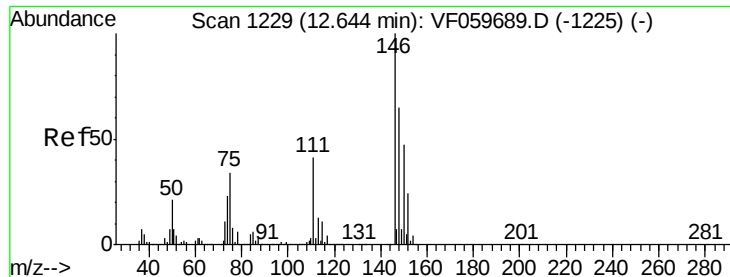
Tgt Ion	Ratio	Lower	Upper
119	100		
134	0.0	12.2	36.6#
91	0.0	13.4	40.2#



#87
1,3-Dichlorobenzene
Concen: 1.621 ug/l
RT: 12.49 min Scan# 1213
Delta R.T. -0.07 min
Lab File: VF059781.D
Acq: 2 Aug 2018 4:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	0.0	20.7	62.1#
148	0.0	32.3	96.8#

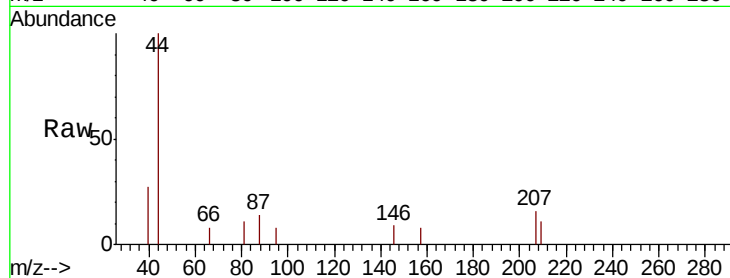




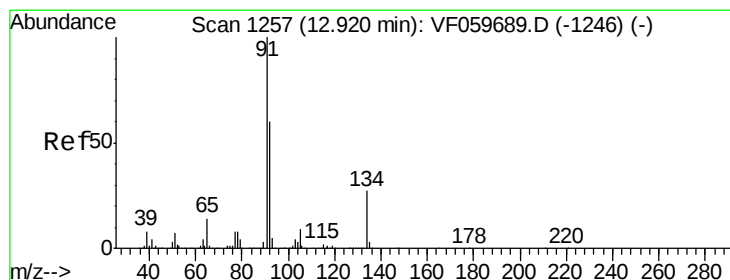
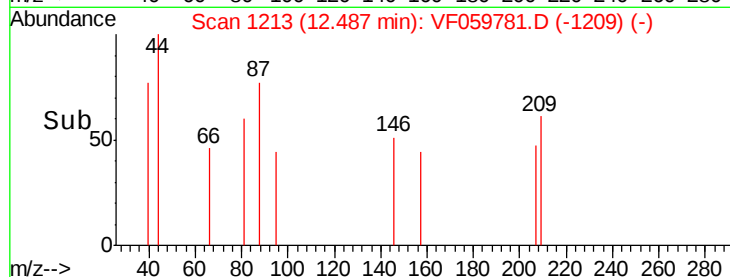
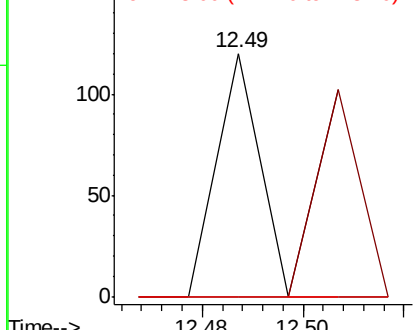
#88
 1,4-Dichlorobenzene
 Concen: 3.257 ug/l
 RT: 12.49 min Scan# 1213
 Delta R.T. -0.16 min
 Lab File: VF059781.D
 Acq: 2 Aug 2018 4:51

Instrument :
 MSVOA_F
 ClientSampled :
 SB-2

Tgt Ion: 146 Resp: 71
 Ion Ratio Lower Upper
 146 100
 111 0.0 20.8 62.2#
 148 0.0 32.3 96.9#

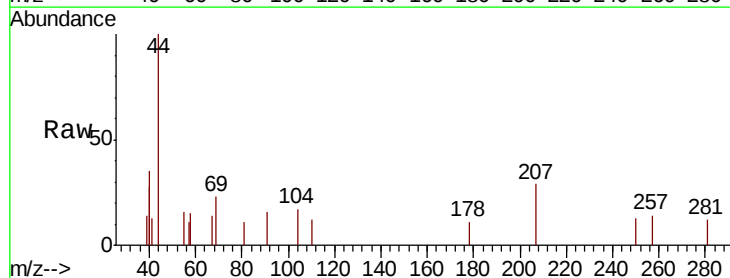


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

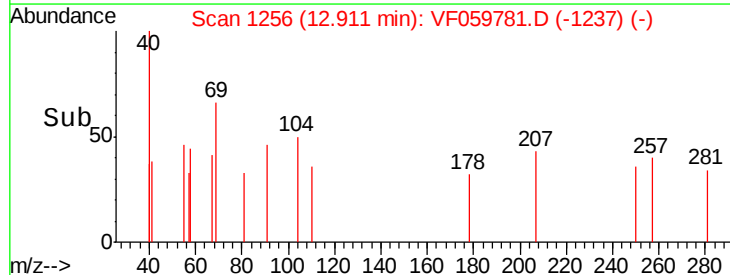
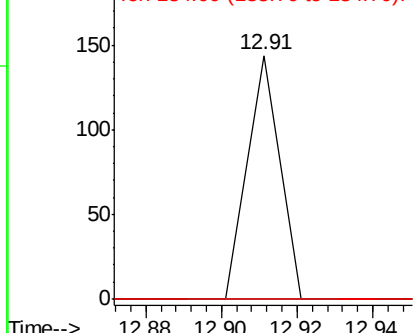


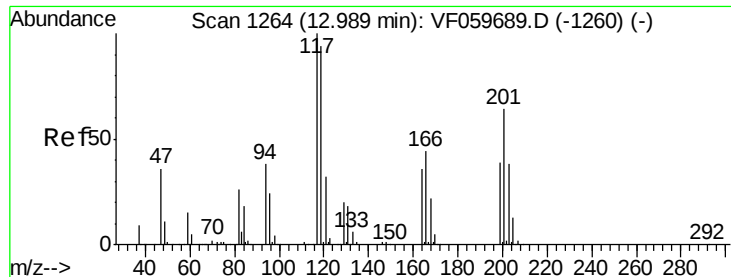
#89
 n-Butylbenzene
 Concen: Below Cal
 RT: 12.91 min Scan# 1256
 Delta R.T. -0.01 min
 Lab File: VF059781.D
 Acq: 2 Aug 2018 4:51

Tgt Ion: 91 Resp: 85
 Ion Ratio Lower Upper
 91 100
 92 0.0 30.1 90.3#
 134 0.0 13.7 41.0#



Abundance Ion 91.00 (90.70 to 91.70): VF0
 Ion 92.00 (91.70 to 92.70): VF0
 Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 18.383 ug/l

RT: 12.89 min Scan# 1254

Delta R.T. -0.10 min

Lab File: VF059781.D

Acq: 2 Aug 2018 4:51

Instrument :

MSVOA_F

ClientSampled :

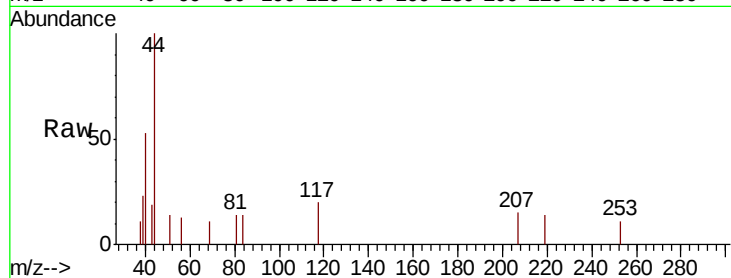
SB-2

Tgt Ion: 117 Resp: 108

Ion Ratio Lower Upper

117 100

201 0.0 31.9 95.5#



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

12.89

200

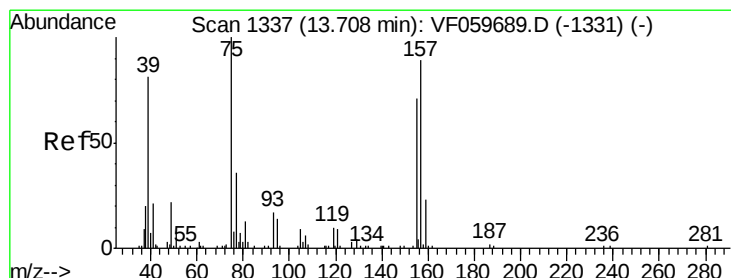
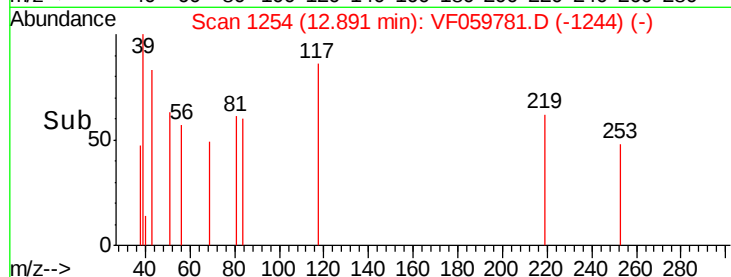
150

100

50

0

Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 74.635 ug/l

RT: 13.70 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VF059781.D

Acq: 2 Aug 2018 4:51

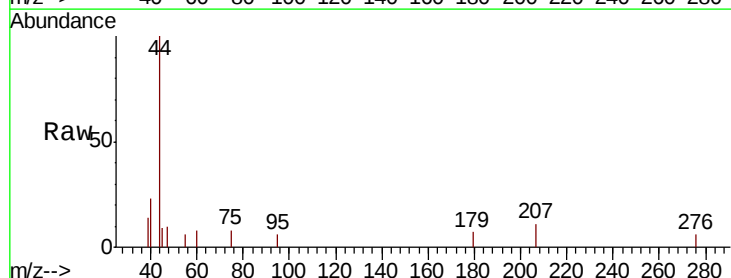
Tgt Ion: 75 Resp: 80

Ion Ratio Lower Upper

75 100

155 0.0 35.4 106.2#

157 0.0 44.4 133.2#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

13.70

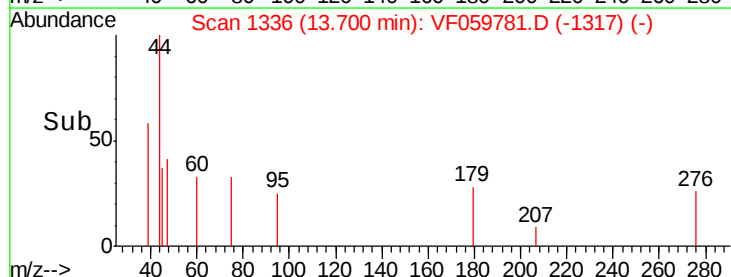
150

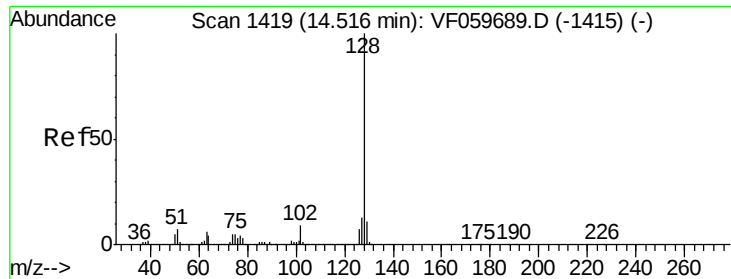
100

50

0

Time-->





#95
Naphthalene
Concen: 26.265 ug/l
RT: 14.51 min Scan# 1418
Delta R.T. -0.01 min
Lab File: VF059781.D
Acq: 2 Aug 2018 4:51

Instrument :
MSVOA_F
ClientSampleId :
SB-2

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.0	15.0#
129	0.0	8.6	13.0#

