

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080218\
 Data File : VF059816.D
 Acq On : 2 Aug 2018 22:25
 Operator : VA/AP
 Sample : J4121-01RE
 Misc : 11.38g/5mL/MSVOA F/SOIL
 ALS Vial : 95 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-9(3-5)

Quant Time: Aug 03 07:07:28 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	5.02	168	181700	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	255316	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	229266	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	115909	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.00	65	138213	42.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.66%	
35) Dibromofluoromethane	4.27	113	116575	43.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.92%	
50) Toluene-d8	7.70	98	219116	35.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	70.86%	
62) 4-Bromofluorobenzene	11.50	95	115523	33.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	67.48%	

Target Compounds

						Qvalue
3) Chloromethane	1.10	50	540	Below Cal	#	38
5) Bromomethane	1.26	94	104	Below Cal		88
6) Chloroethane	1.40	64	135	Below Cal	#	35
10) Methyl Iodide	1.83	142	121	Below Cal	#	20
11) Tert butyl alcohol	2.70	59	452	1.985	ug/l #	74
13) Acrolein	2.17	56	334	20.596	ug/l	88
16) Acetone	2.33	43	8712	14.832	ug/l	96
17) Carbon Disulfide	1.83	76	2247	Below Cal	#	71
18) Methyl Acetate	2.42	43	996	Below Cal	#	64
20) Methylene Chloride	2.27	84	2206	Below Cal	#	78
21) trans-1,2-Dichloroethene	2.49	96	142	Below Cal	#	1
25) 2-Butanone	4.48	43	768	1.172	ug/l #	74
28) Bromochloromethane	3.95	49	235	Below Cal	#	15
29) Tetrahydrofuran	4.27	42	340	1.350	ug/l #	65
31) Cyclohexane	3.84	56	167	Below Cal	#	15
36) 1,1-Dichloropropene	4.44	75	435	Below Cal	#	46
37) Ethyl Acetate	4.27	43	59	Below Cal	#	19
39) Methylcyclohexane	5.75	83	5141	Below Cal	#	28
40) Benzene	4.80	78	11305	2.193	ug/l	99
41) Methacrylonitrile	4.92	41	88	Below Cal	#	24
49) 1,4-Dioxane	6.37	88	66	Below Cal	#	35
52) Toluene	7.76	92	1893	Below Cal	#	64
58) 2-Chloroethyl Vinyl ether	7.76	63	428	2.545	ug/l	100
68) m/p-Xylenes	10.26	106	1806	Below Cal	#	64
78) n-propylbenzene	11.67	91	1106	Below Cal	#	54
79) 2-Chlorotoluene	11.81	91	782	Below Cal	#	44
80) 1,3,5-Trimethylbenzene	11.90	105	1002	Below Cal		86
82) 4-Chlorotoluene	11.97	91	550	Below Cal		94
84) 1,2,4-Trimethylbenzene	12.28	105	1962	Below Cal		92
85) sec-Butylbenzene	12.37	105	173	Below Cal	#	57
86) p-Isopropyltoluene	12.53	119	2494	Below Cal	#	78
87) 1,3-Dichlorobenzene	12.56	146	95	Below Cal	#	62
88) 1,4-Dichlorobenzene	12.63	146	64	Below Cal	#	1
89) n-Butylbenzene	12.89	91	1159	Below Cal	#	1

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ClientSampleId :
SB-9(3-5)

Quant Time: Aug 03 07:07:28 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 31 15:23:22 2018
Response via : Initial Calibration

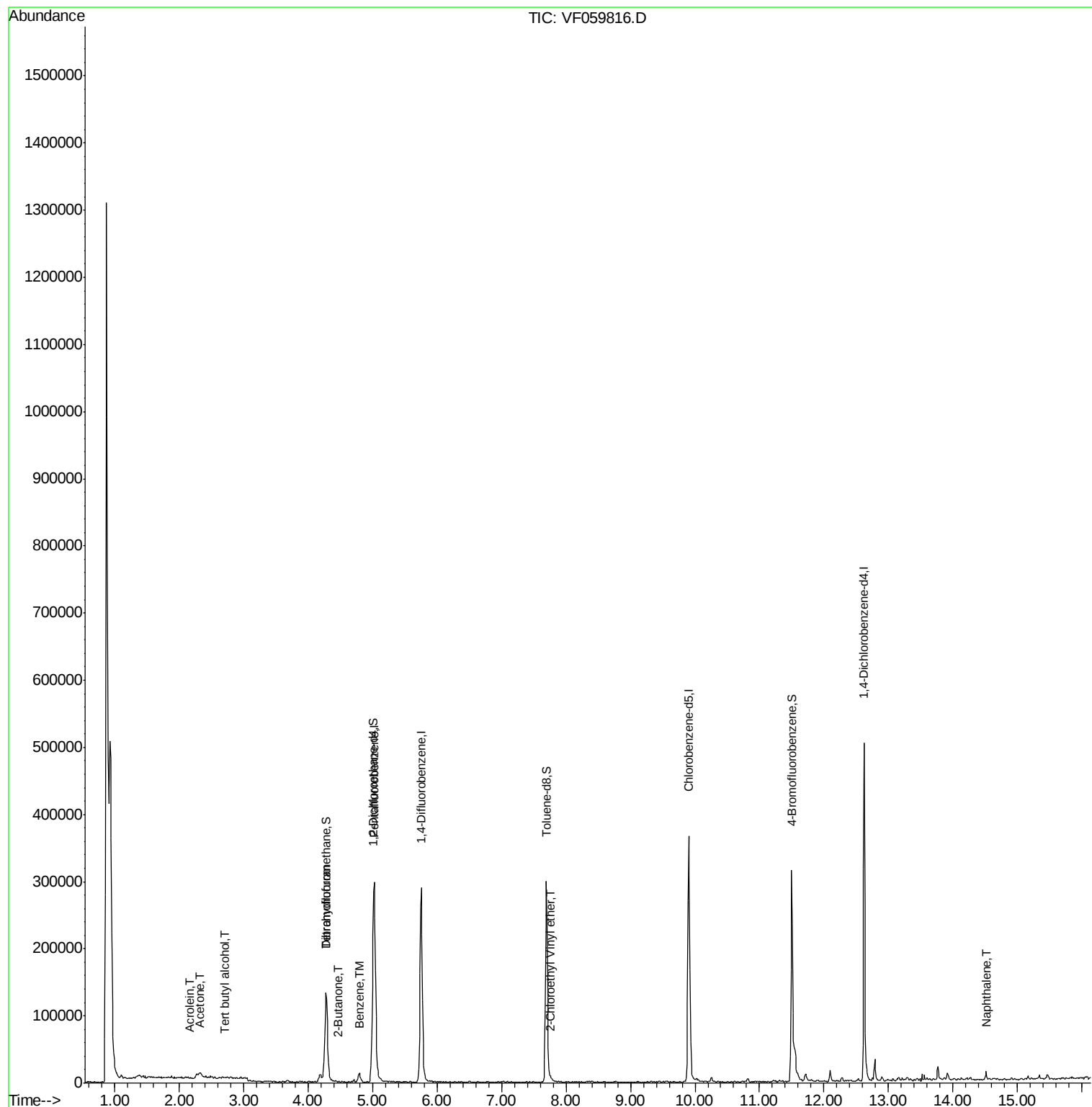
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) 1,2-Dichlorobenzene	13.01	146	91	Below Cal	#	24
93) 1,2,4-Trichlorobenzene	14.25	180	163	Below Cal	#	50
95) Naphthalene	14.52	128	6360	1.273	ug/l	97

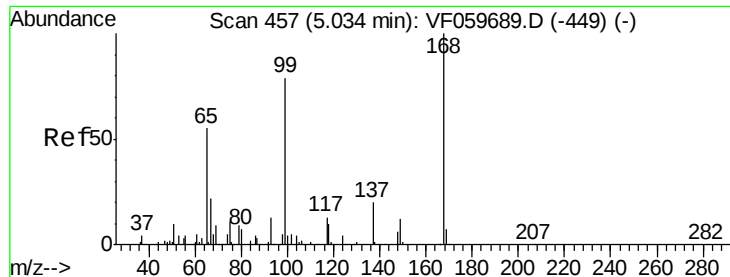
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.02 min Scan# 456

Delta R.T. -0.01 min

Lab File: VF059816.D

Acq: 2 Aug 2018 22:25

Instrument :

MSVOA_F

ClientSampleId :

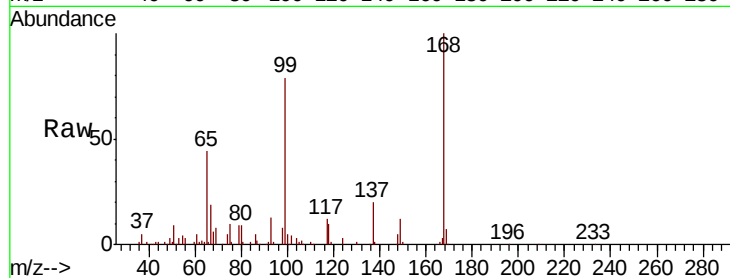
SB-9(3-5)

Tot Ion:168 Resp: 181700

Ion Ratio Lower Upper

168 100

99 78.9 63.3 94.9



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.02

60000

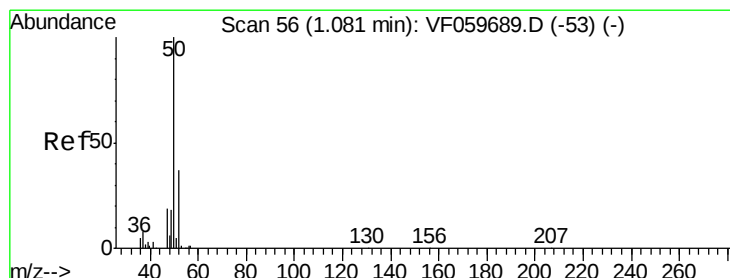
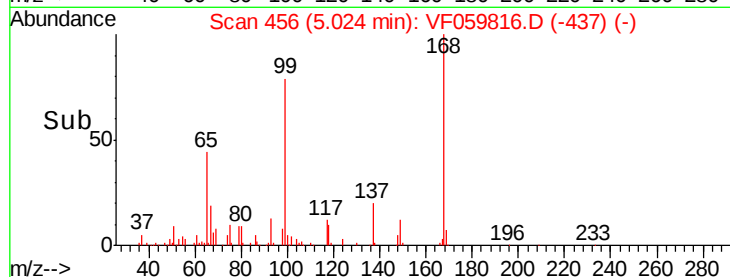
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#3

Chloromethane

Concen: Below Cal

RT: 1.10 min Scan# 58

Delta R.T. 0.02 min

Lab File: VF059816.D

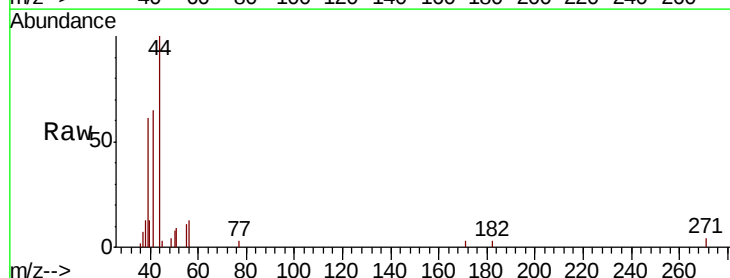
Acq: 2 Aug 2018 22:25

Tgt Ion: 50 Resp: 540

Ion Ratio Lower Upper

50 100

52 0.0 29.1 43.7#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

1.10

300

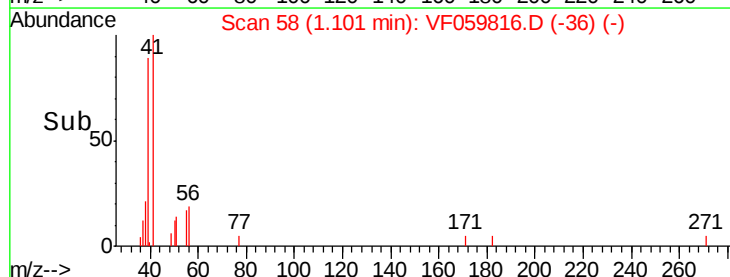
200

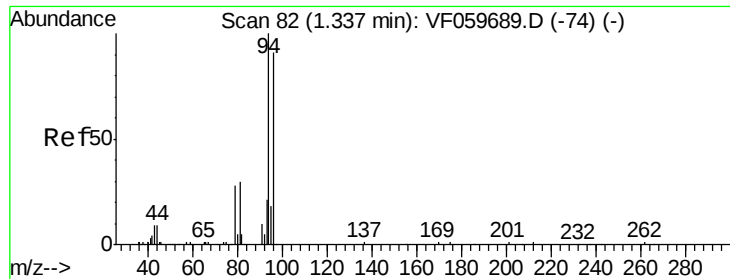
100

0

Time-->

1.05 1.10 1.15





#5

Bromomethane

Concen: Below Cal

RT: 1.26 min Scan# 74

Delta R.T. -0.08 min

Lab File: VF059816.D

Acq: 2 Aug 2018 22:25

Instrument :

MSVOA_F

ClientSampleId :

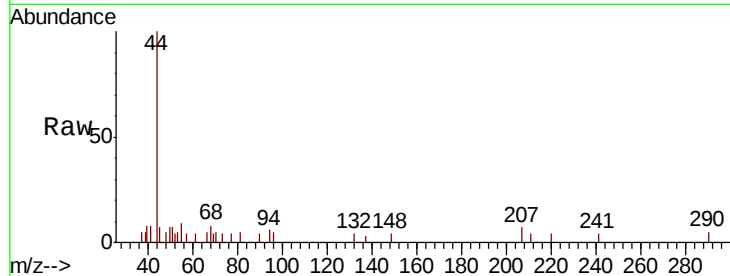
SB-9(3-5)

Tot Ion: 94 Resp: 104

Ion Ratio Lower Upper

94 100

96 80.6 73.6 110.4



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

1.26

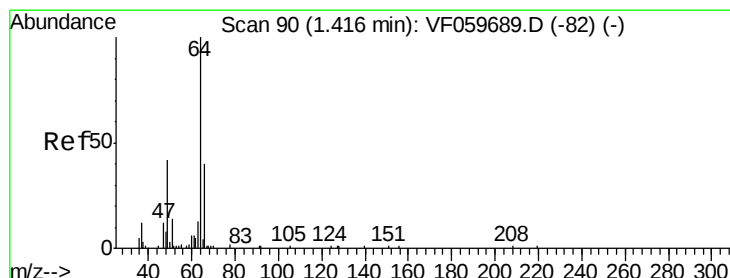
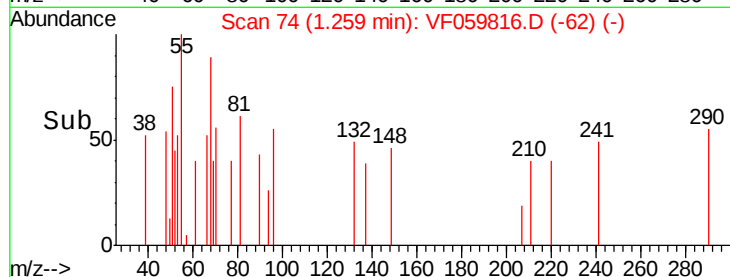
150

100

50

0

Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.40 min Scan# 88

Delta R.T. -0.02 min

Lab File: VF059816.D

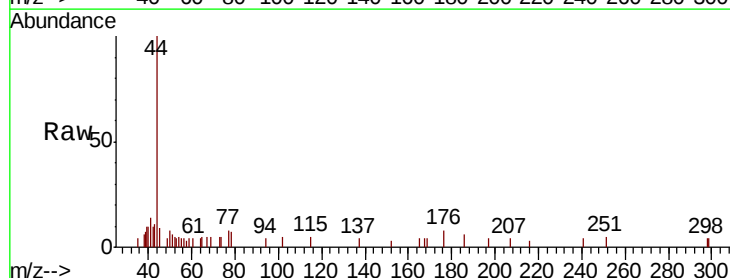
Acq: 2 Aug 2018 22:25

Tgt Ion: 64 Resp: 135

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

200

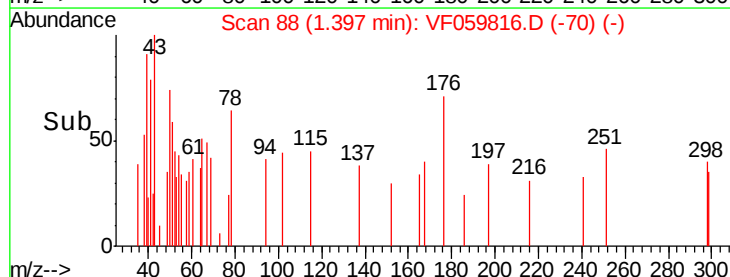
150

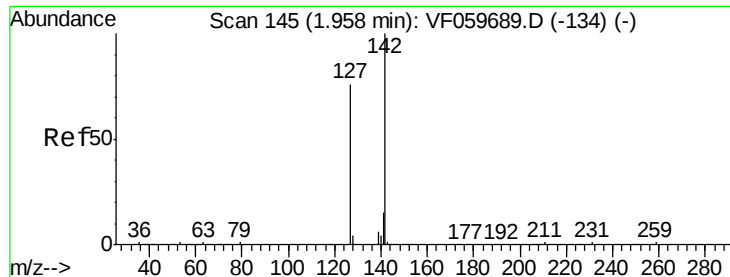
100

50

0

Time-->

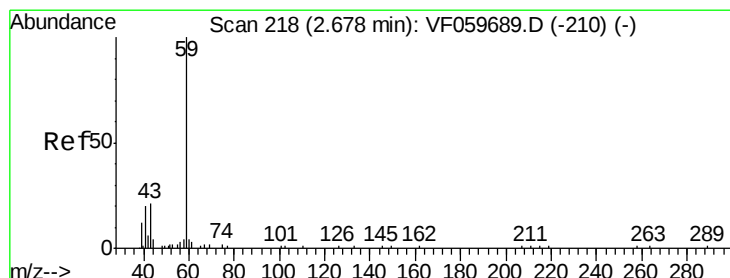
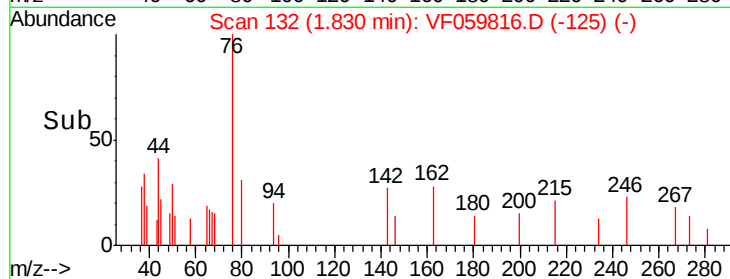
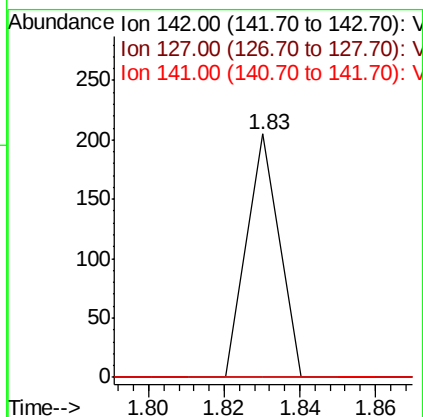
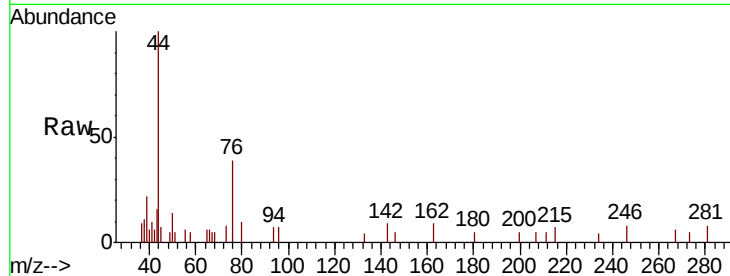




#10
Methyl Iodide
Concen: Below Cal
RT: 1.83 min Scan# 132
Delta R.T. -0.13 min
Lab File: VF059816.D
Acq: 2 Aug 2018 22:25

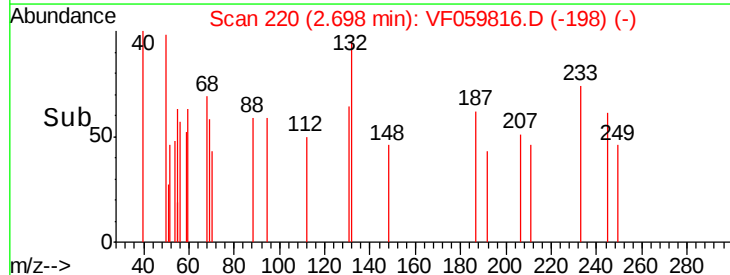
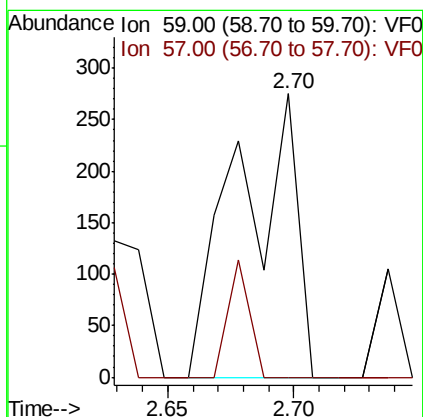
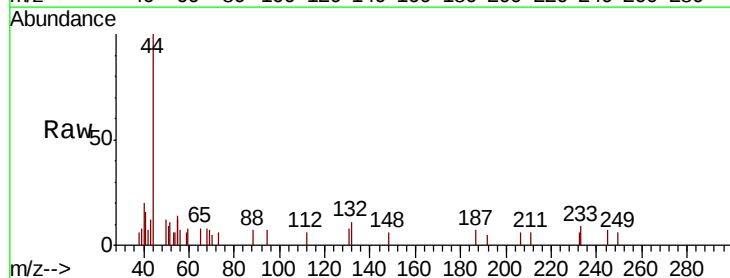
Instrument :
MSVOA_F
ClientSampled :
SB-9(3-5)

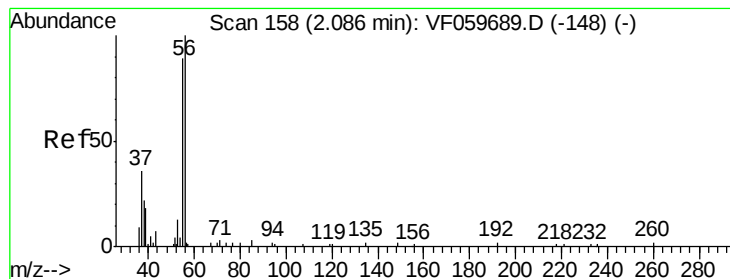
Tot Ion	Ratio	Lower	Upper
142	100		
127	0.0	60.6	91.0#
141	0.0	12.0	18.0#



#11
Tert butyl alcohol
Concen: 1.985 ug/l
RT: 2.70 min Scan# 220
Delta R.T. 0.02 min
Lab File: VF059816.D
Acq: 2 Aug 2018 22:25

Tgt Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.6	11.4#





#13

Acrolein

Concen: 20.596 ug/l

RT: 2.17 min Scan# 166

Delta R.T. 0.08 min

Lab File: VF059816.D

Acq: 2 Aug 2018 22:25

Instrument :

MSVOA_F

ClientSampleId :

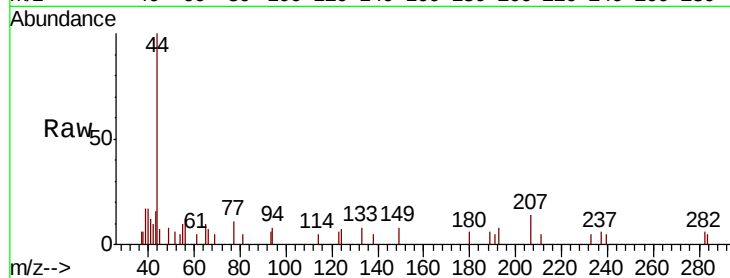
SB-9(3-5)

Tot Ion: 56 Resp: 334

Ion Ratio Lower Upper

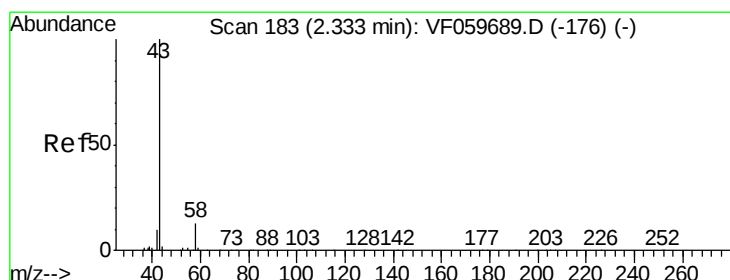
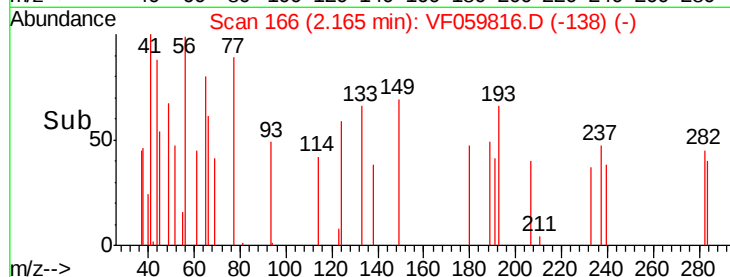
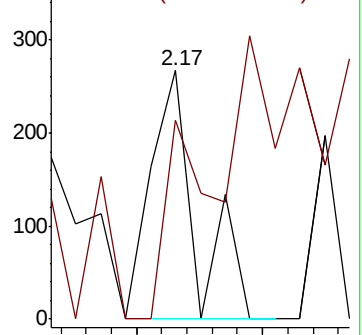
56 100

55 80.1 73.2 109.8



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#16

Acetone

Concen: 14.832 ug/l

RT: 2.33 min Scan# 183

Delta R.T. 0.00 min

Lab File: VF059816.D

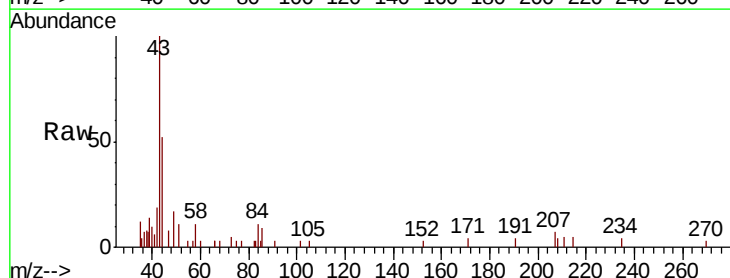
Acq: 2 Aug 2018 22:25

Tgt Ion: 43 Resp: 8712

Ion Ratio Lower Upper

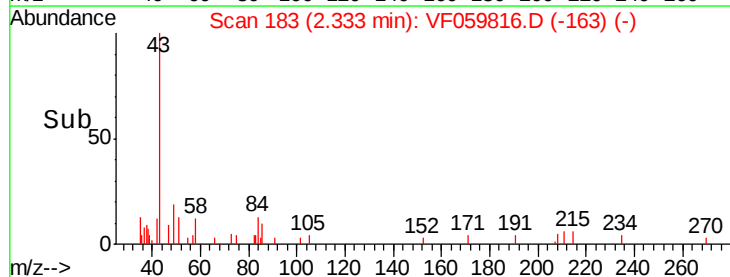
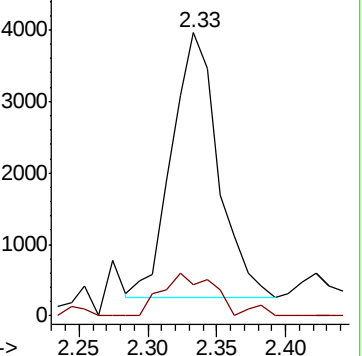
43 100

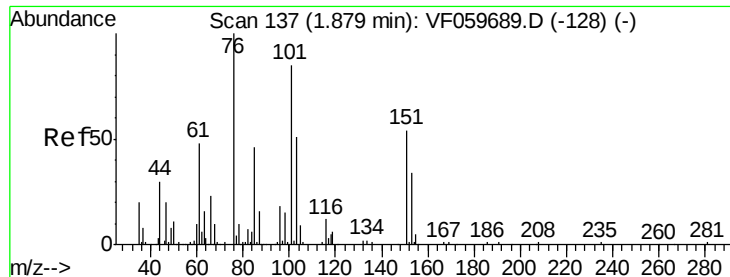
58 11.0 10.1 15.1



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

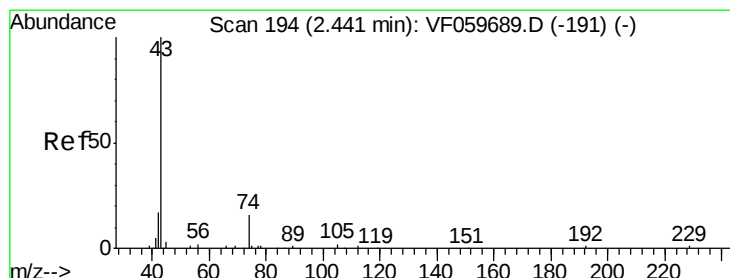
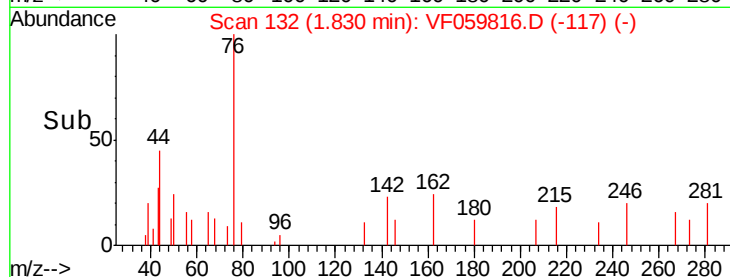
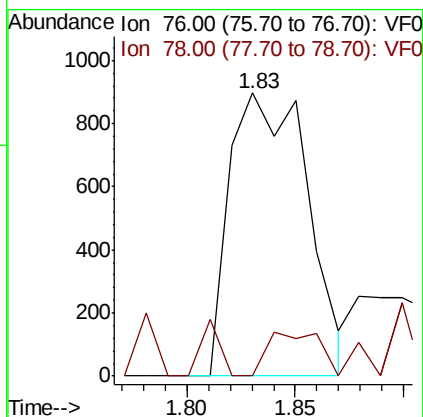
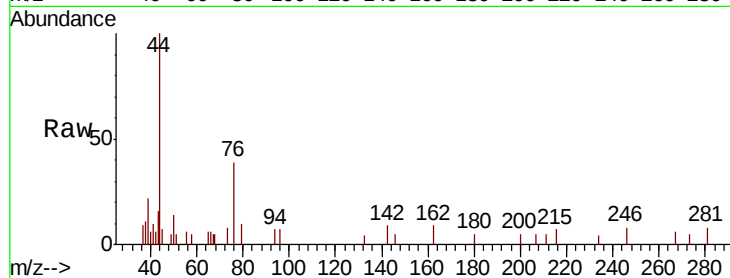




#17
Carbon Disulfide
Concen: Below Cal
RT: 1.83 min Scan# 132
Delta R.T. -0.05 min
Lab File: VF059816.D
Acq: 2 Aug 2018 22:25

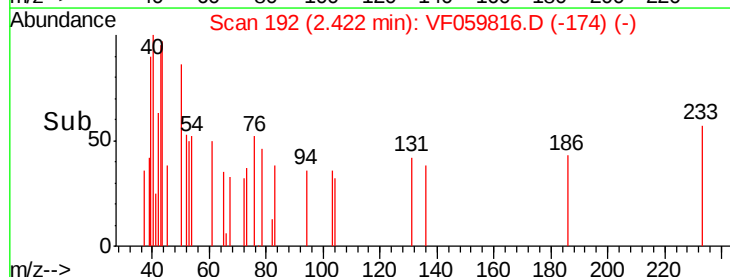
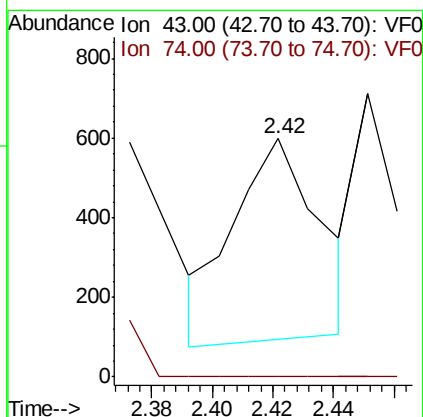
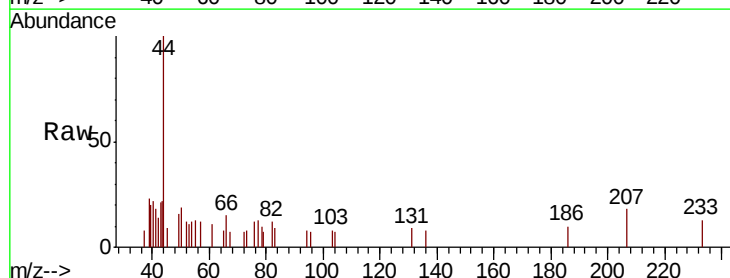
Instrument :
MSVOA_F
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SB-9(3-5)

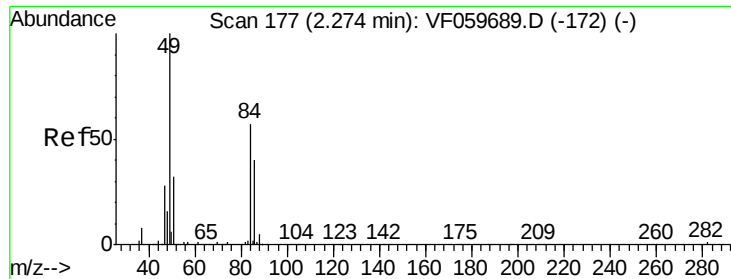
Tot Ion: 76 Resp: 2247
Ion Ratio Lower Upper
76 100
78 0.0 8.9 13.3#



#18
Methyl Acetate
Concen: Below Cal
RT: 2.42 min Scan# 192
Delta R.T. -0.02 min
Lab File: VF059816.D
Acq: 2 Aug 2018 22:25

Tgt Ion: 43 Resp: 996
Ion Ratio Lower Upper
43 100
74 0.0 11.8 17.6#

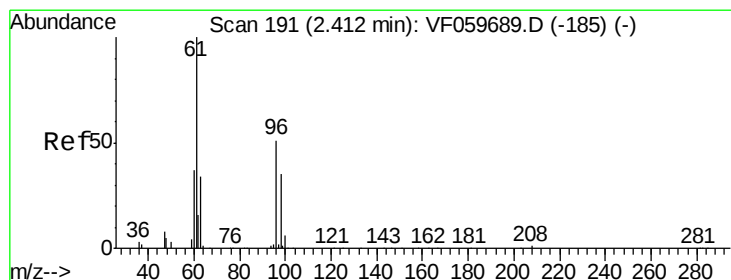
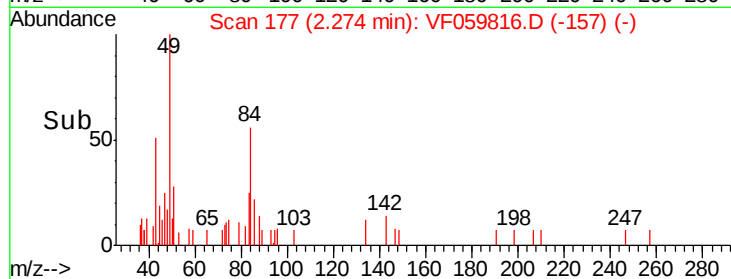
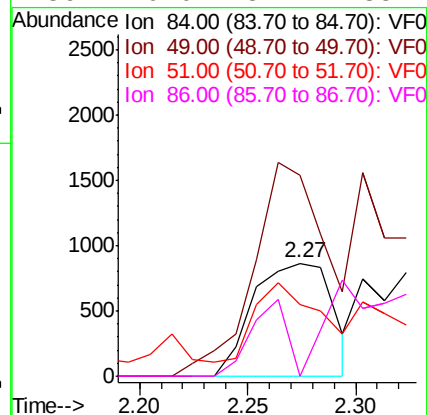
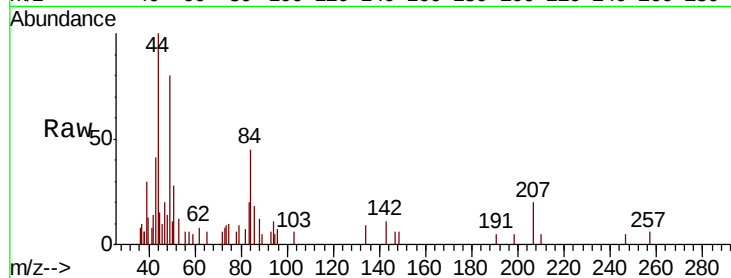




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.27 min Scan# 177
Delta R.T. 0.00 min
Lab File: VF059816.D
Acq: 2 Aug 2018 22:25

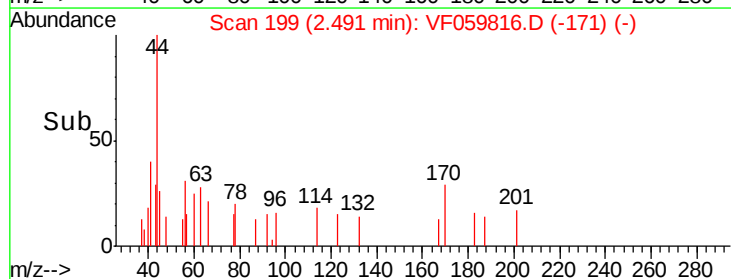
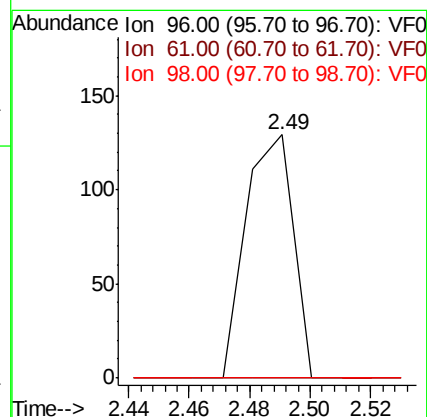
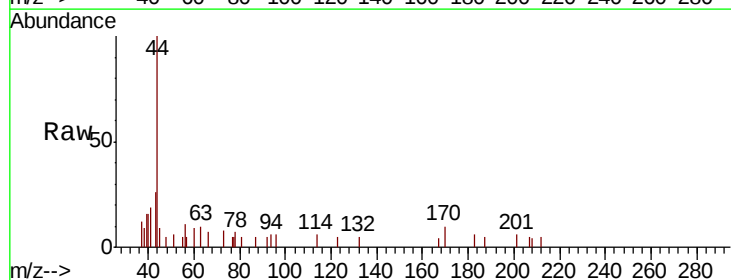
Instrument :
MSVOA_F
ClientSampled :
SB-9(3-5)

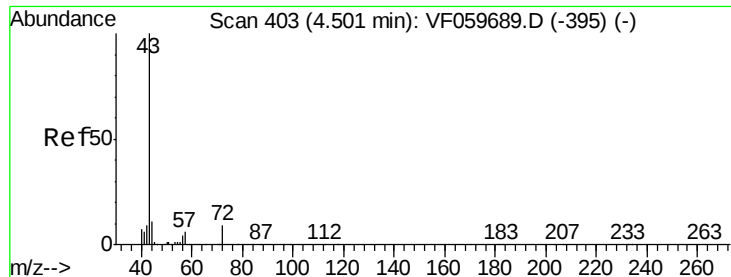
Tot Ion: 84 Resp: 2206
Ion Ratio Lower Upper
84 100
49 178.3 142.2 213.4
51 63.2 46.2 69.2
86 0.0 57.1 85.7#



#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 2.49 min Scan# 199
Delta R.T. 0.08 min
Lab File: VF059816.D
Acq: 2 Aug 2018 22:25

Tgt Ion: 96 Resp: 142
Ion Ratio Lower Upper
96 100
61 0.0 157.4 236.0#
98 0.0 55.0 82.4#





#25

2-Butanone

Concen: 1.172 ug/l

RT: 4.48 min Scan# 401

Delta R.T. -0.02 min

Lab File: VF059816.D

Acq: 2 Aug 2018 22:25

Instrument :

MSVOA_F

ClientSampleId :

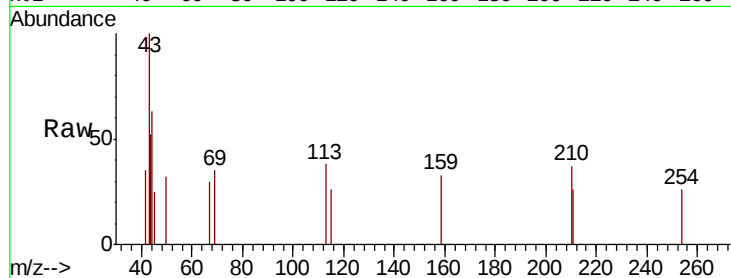
SB-9(3-5)

Tot Ion: 43 Resp: 768

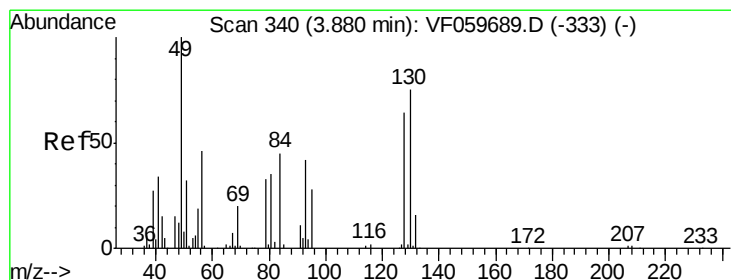
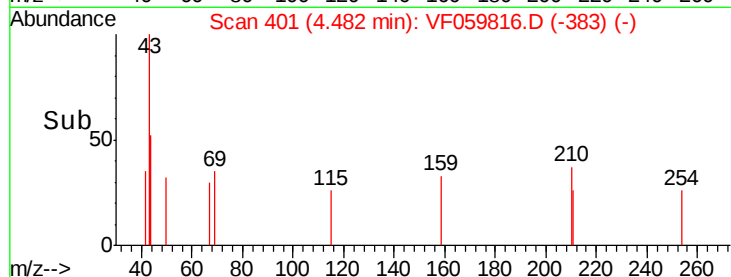
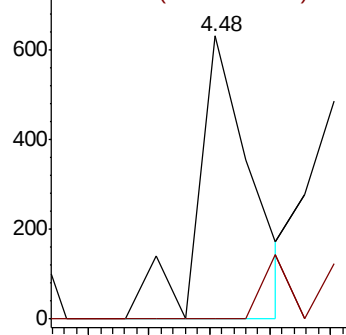
Ion Ratio Lower Upper

43 100

72 0.0 7.7 11.5#



Abundance Ion 43.00 (42.70 to 43.70): VF0



#28

Bromochloromethane

Concen: Below Cal

RT: 3.95 min Scan# 347

Delta R.T. 0.07 min

Lab File: VF059816.D

Acq: 2 Aug 2018 22:25

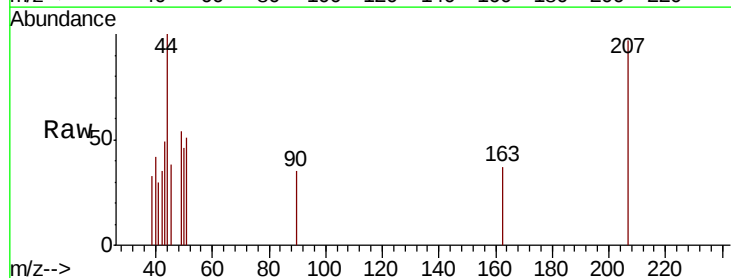
Tgt Ion: 49 Resp: 235

Ion Ratio Lower Upper

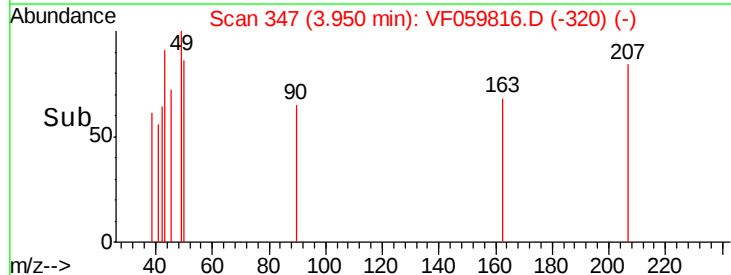
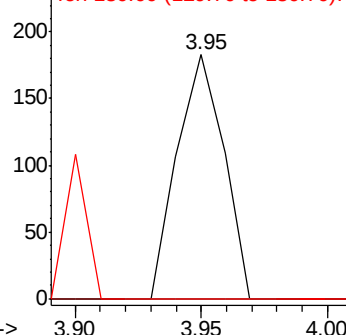
49 100

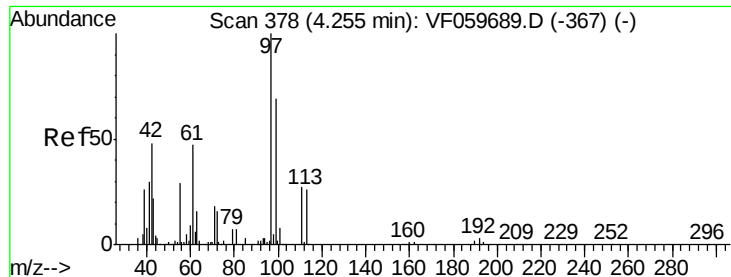
129 0.0 0.0 4.8

130 0.0 59.6 89.4#



Abundance Ion 49.00 (48.70 to 49.70): VF0





#29

Tetrahydrofuran

Concen: 1.350 ug/l

RT: 4.27 min Scan# 380

Delta R.T. 0.02 min

Lab File: VF059816.D

Acq: 2 Aug 2018 22:25

Instrument :

MSVOA_F

ClientSampled :

SB-9(3-5)

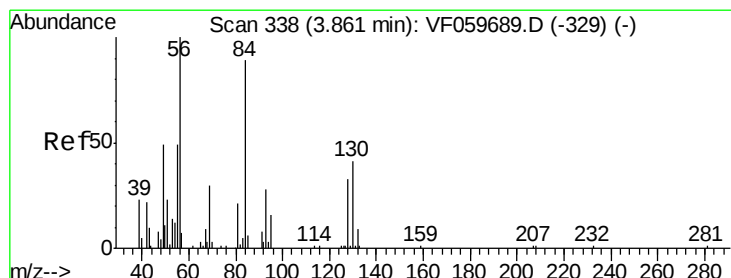
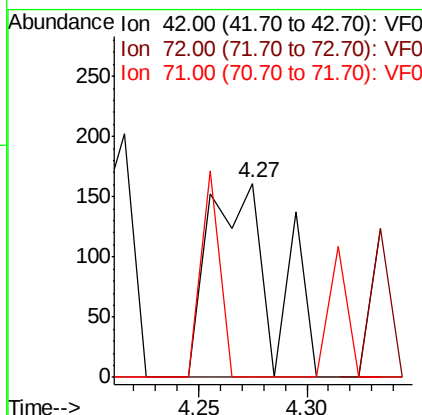
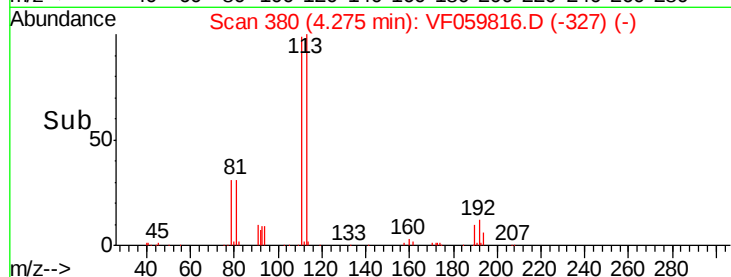
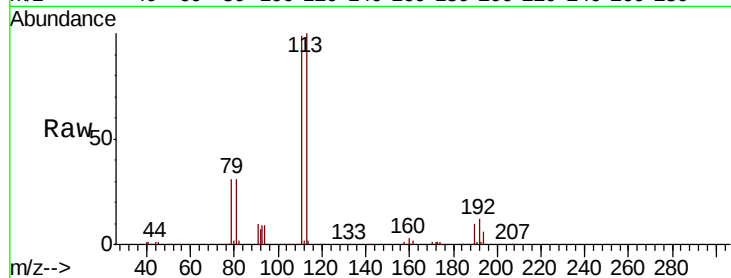
Tot Ion: 42 Resp: 340

Ion Ratio Lower Upper

42 100

72 0.0 27.0 40.6#

71 29.7 29.7 44.5



#31

Cyclohexane

Concen: Below Cal

RT: 3.84 min Scan# 336

Delta R.T. -0.02 min

Lab File: VF059816.D

Acq: 2 Aug 2018 22:25

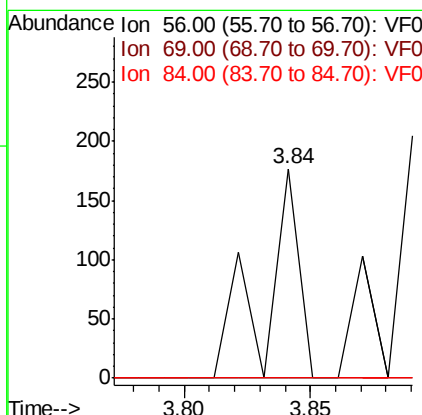
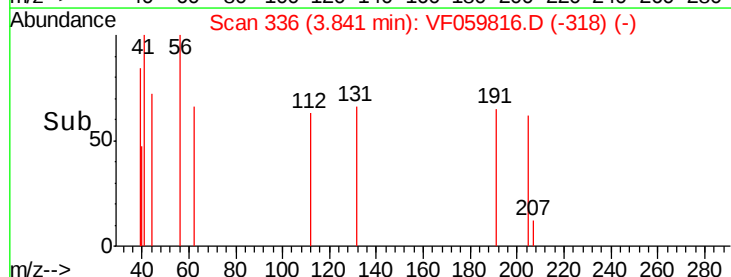
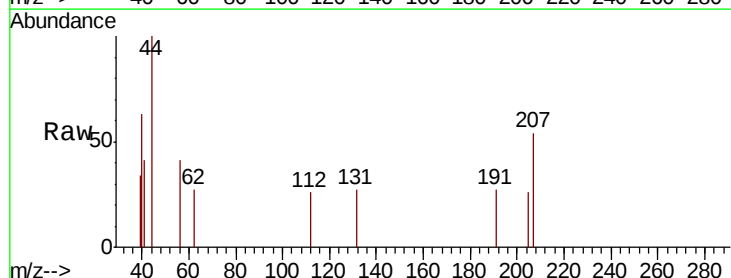
Tgt Ion: 56 Resp: 167

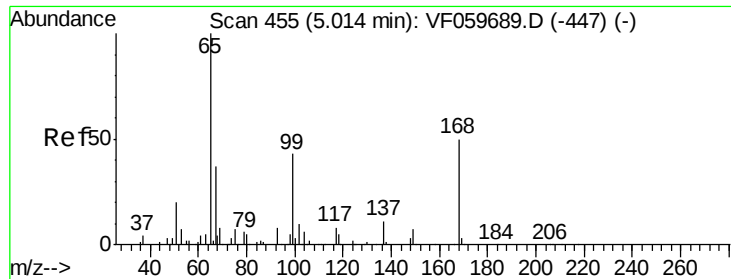
Ion Ratio Lower Upper

56 100

69 0.0 23.7 35.5#

84 0.0 71.1 106.7#





#33

1,2-Dichloroethane-d4

Concen: 42.325 ug/l

RT: 5.00 min Scan# 454

Delta R.T. -0.01 min

Lab File: VF059816.D

Acq: 2 Aug 2018 22:25

Instrument :

MSVOA_F

ClientSampleId :

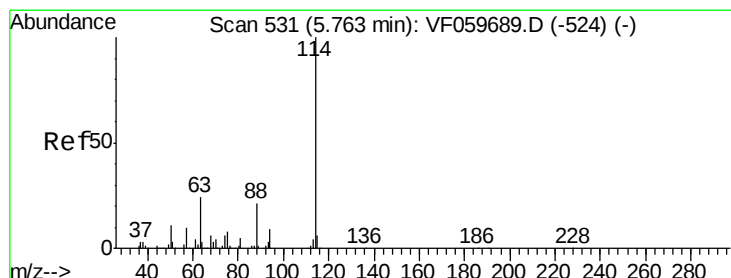
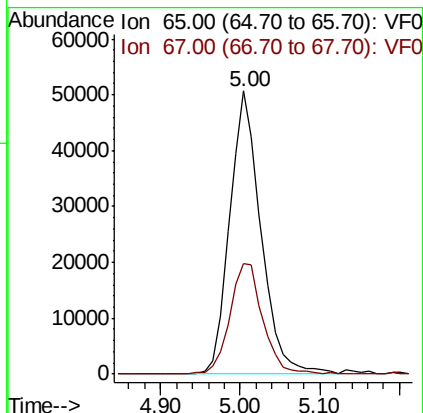
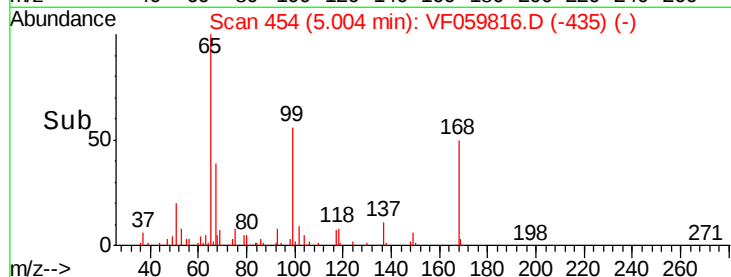
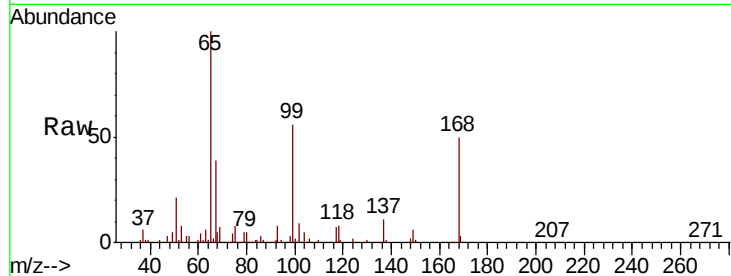
SB-9(3-5)

Tot Ion: 65 Resp: 138213

Ion Ratio Lower Upper

65 100

67 39.0 0.0 84.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.75 min Scan# 530

Delta R.T. -0.01 min

Lab File: VF059816.D

Acq: 2 Aug 2018 22:25

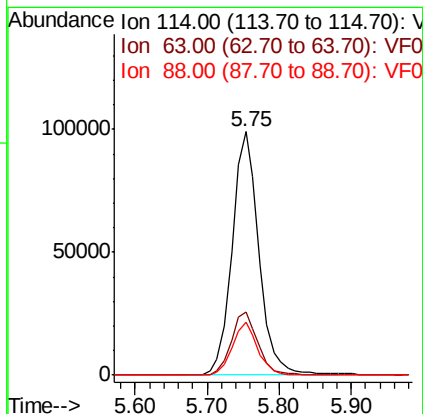
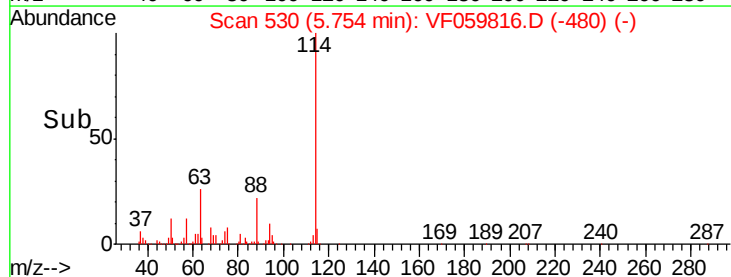
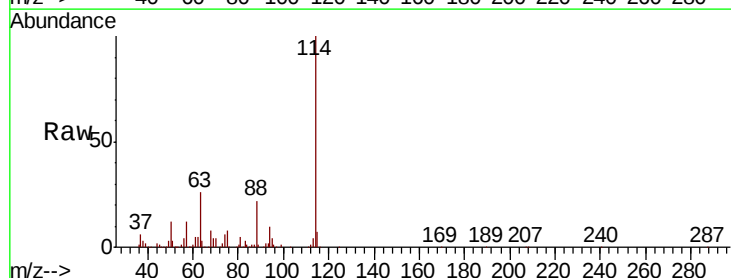
Tgt Ion: 114 Resp: 255316

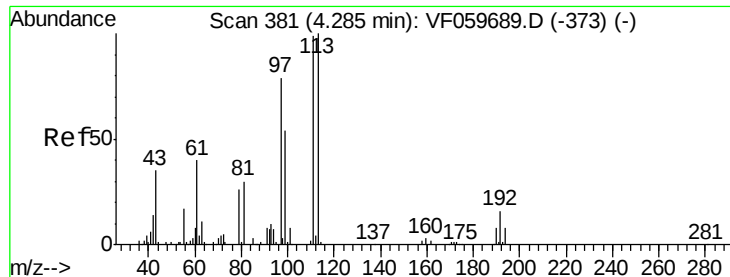
Ion Ratio Lower Upper

114 100

63 25.8 0.0 47.4

88 21.7 0.0 41.2

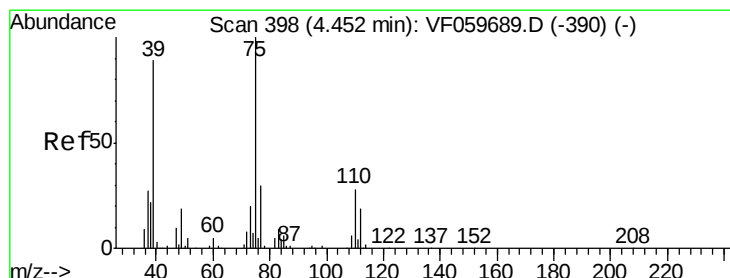
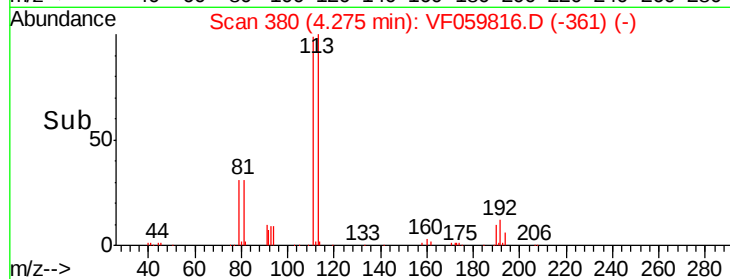
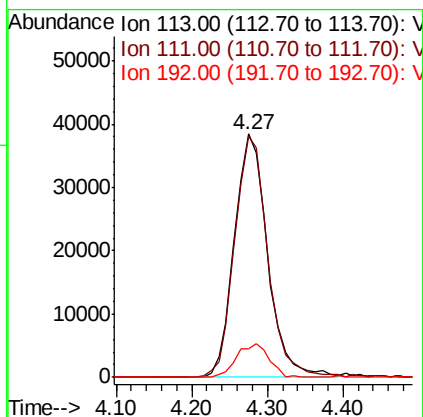
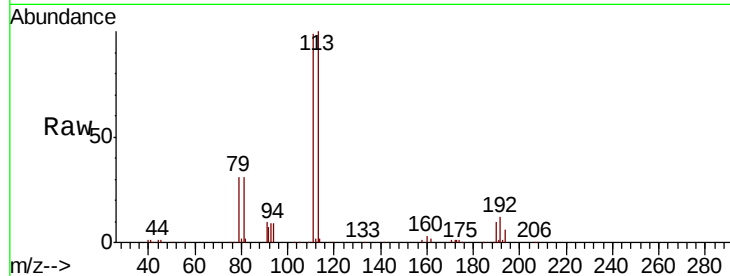




#35
 Dibromofluoromethane
 Concen: 43.960 ug/l
 RT: 4.27 min Scan# 380
 Delta R.T. -0.01 min
 Lab File: VF059816.D
 Acq: 2 Aug 2018 22:25

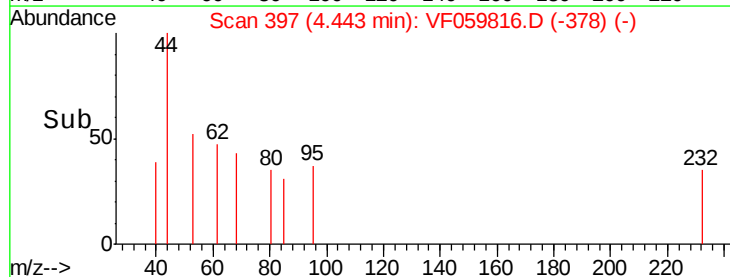
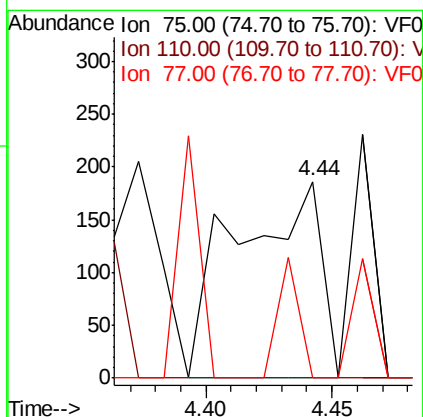
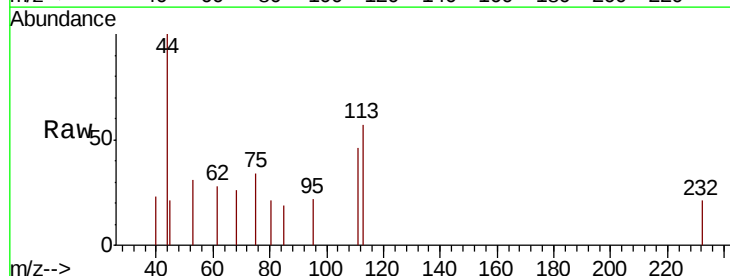
Instrument :
 MSVOA_F
 ClientSampleId :
 SB-9(3-5)

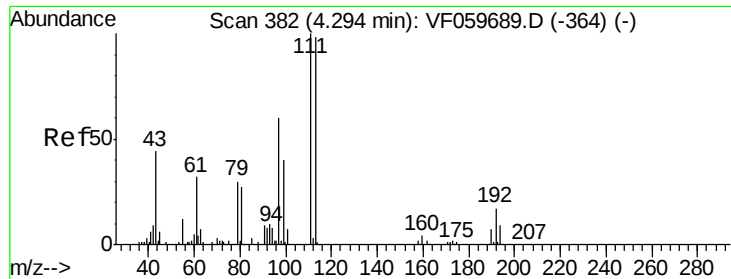
Tot Ion:113 Resp: 116575
 Ion Ratio Lower Upper
 113 100
 111 98.8 79.0 118.4
 192 11.5 13.2 19.8#



#36
 1,1-Dichloropropene
 Concen: Below Cal
 RT: 4.44 min Scan# 397
 Delta R.T. -0.01 min
 Lab File: VF059816.D
 Acq: 2 Aug 2018 22:25

Tgt Ion: 75 Resp: 435
 Ion Ratio Lower Upper
 75 100
 110 0.0 14.0 41.9#
 77 0.0 24.2 36.2#

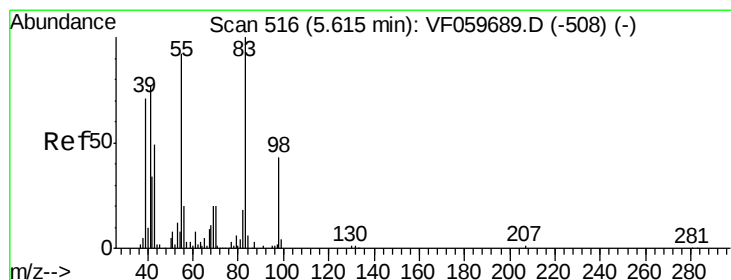
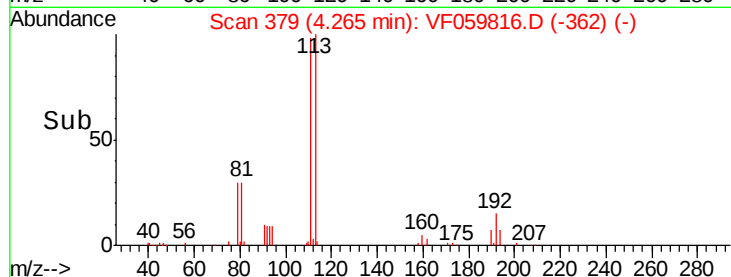
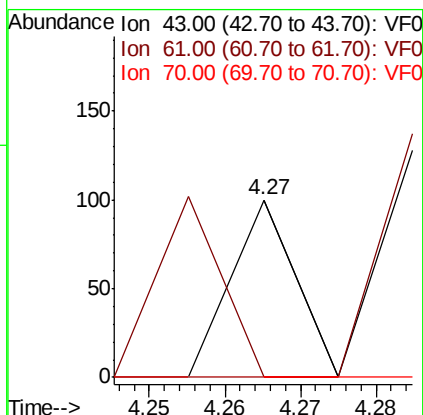
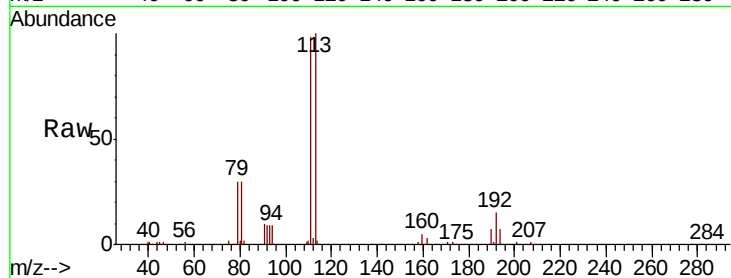




#37
Ethyl Acetate
Concen: Below Cal
RT: 4.27 min Scan# 379
Delta R.T. -0.03 min
Lab File: VF059816.D
Acq: 2 Aug 2018 22:25

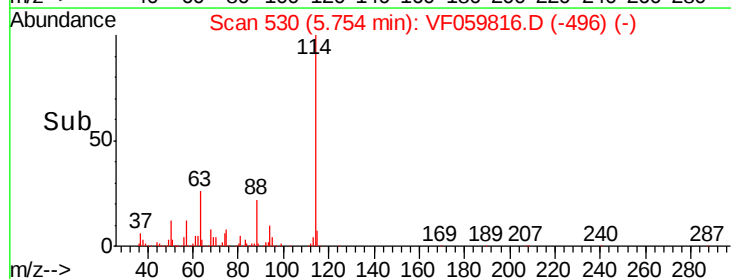
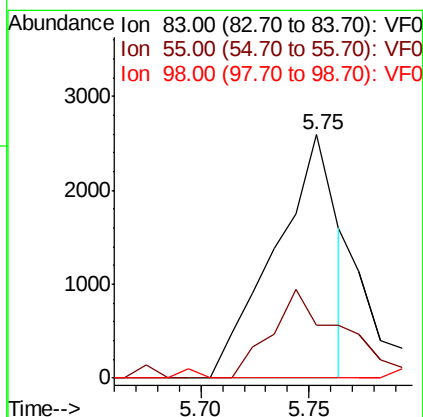
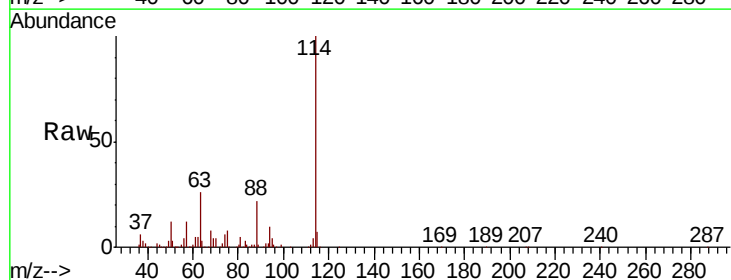
Instrument :
MSVOA_F
ClientSampleId :
SB-9(3-5)

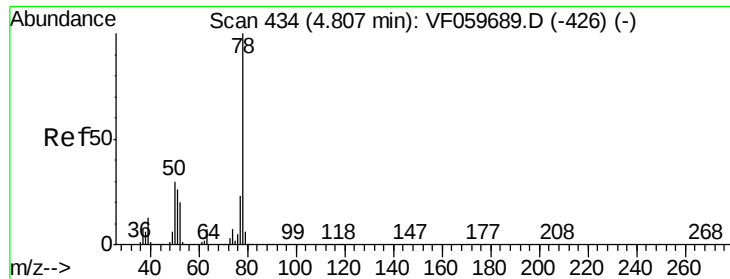
Tot Ion: 43 Resp: 59
Ion Ratio Lower Upper
43 100
61 0.0 58.2 87.2#
70 0.0 6.0 9.0#



#39
Methylcyclohexane
Concen: Below Cal
RT: 5.75 min Scan# 530
Delta R.T. 0.14 min
Lab File: VF059816.D
Acq: 2 Aug 2018 22:25

Tgt Ion: 83 Resp: 5141
Ion Ratio Lower Upper
83 100
55 21.6 73.4 110.2#
98 0.0 34.2 51.4#





#40

Benzene

Concen: 2.193 ug/l

RT: 4.80 min Scan# 433

Delta R.T. -0.01 min

Lab File: VF059816.D

Acq: 2 Aug 2018 22:25

Instrument :

MSVOA_F

ClientSampleId :

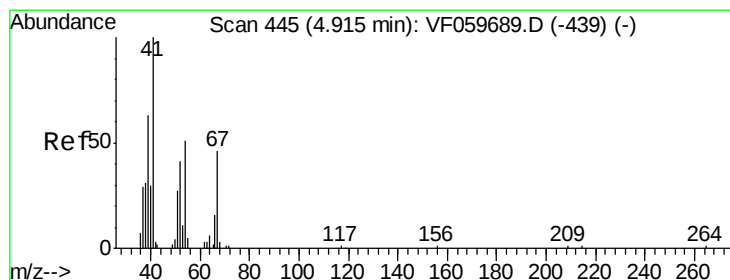
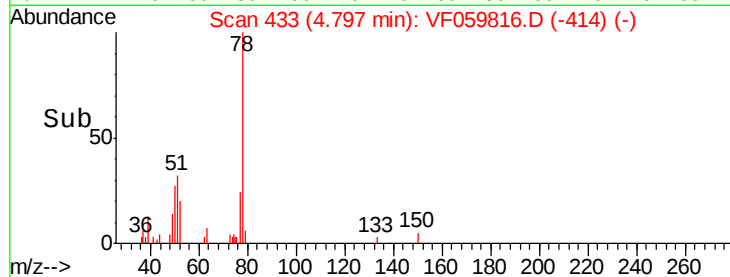
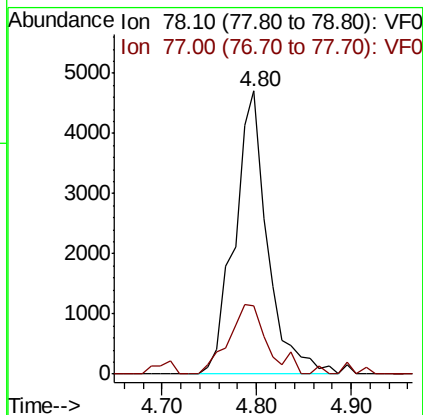
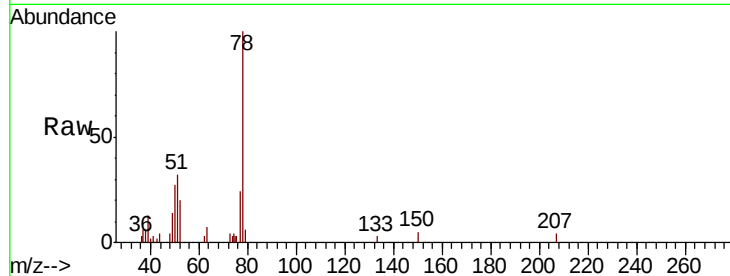
SB-9(3-5)

Tot Ion: 78 Resp: 11305

Ion Ratio Lower Upper

78 100

77 24.2 18.9 28.3



#41

Methacrylonitrile

Concen: Below Cal

RT: 4.92 min Scan# 445

Delta R.T. 0.00 min

Lab File: VF059816.D

Acq: 2 Aug 2018 22:25

Tgt Ion: 41 Resp: 88

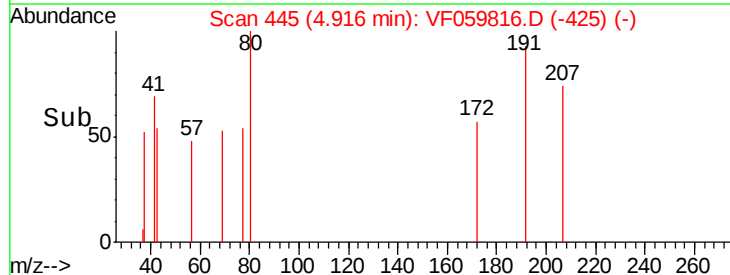
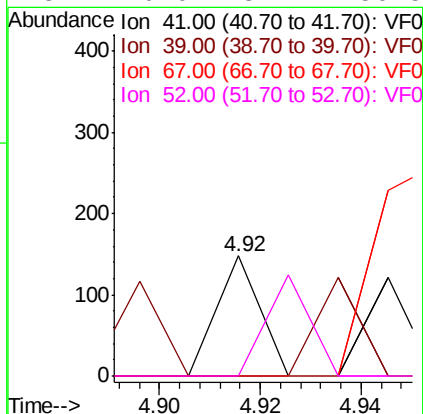
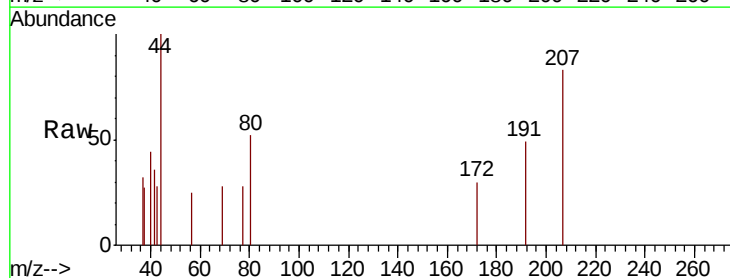
Ion Ratio Lower Upper

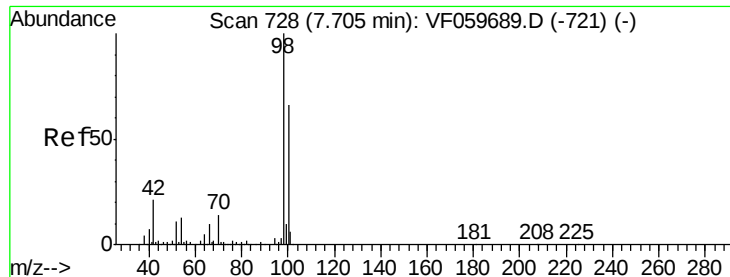
41 100

39 0.0 55.2 82.8#

67 0.0 36.2 54.2#

52 0.0 37.7 56.5#

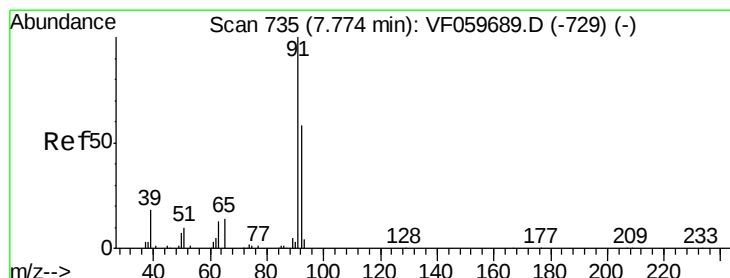
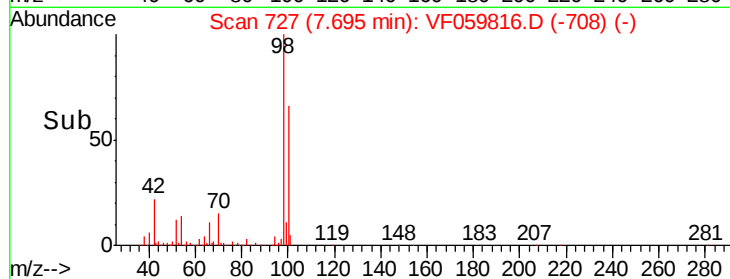
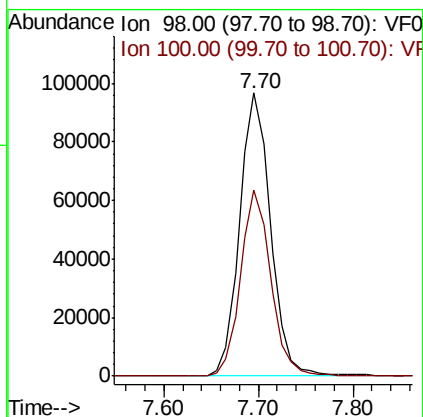
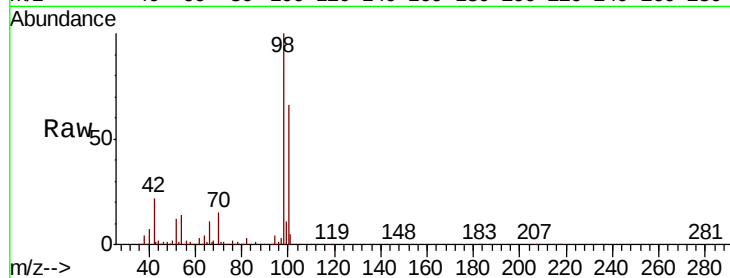




#50
Toluene-d8
Concen: 35.433 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.01 min
Lab File: VF059816.D
Acq: 2 Aug 2018 22:25

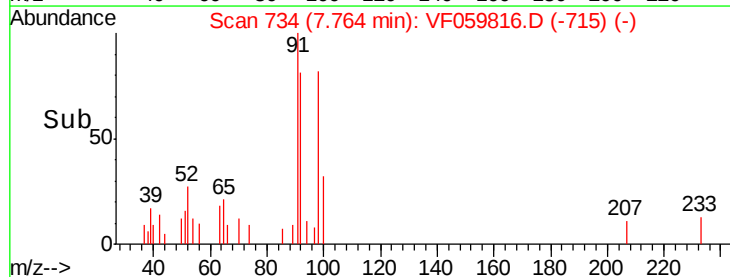
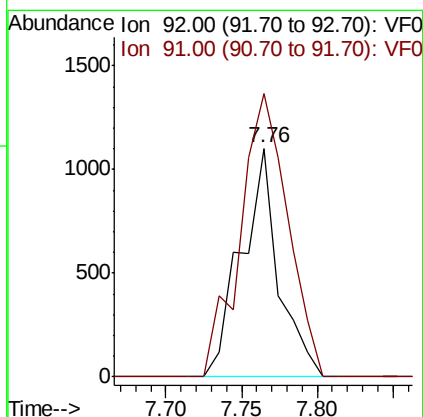
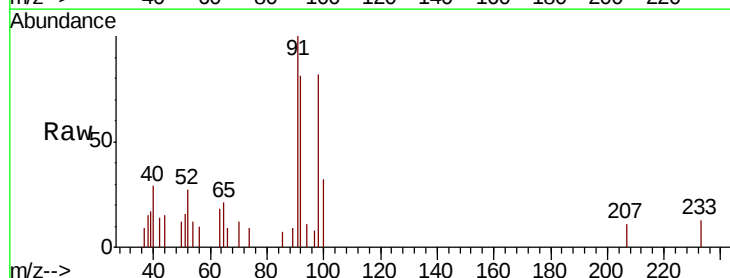
Instrument :
MSVOA_F
ClientSampleId :
SB-9(3-5)

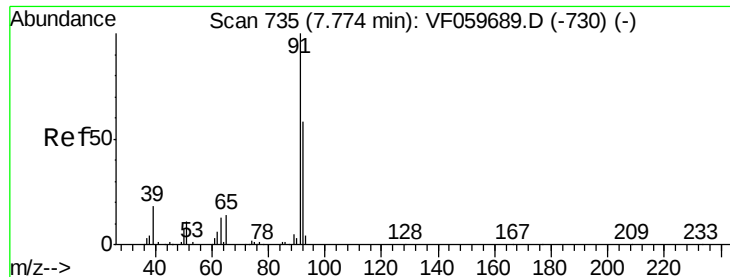
Tot Ion: 98 Resp: 219116
Ion Ratio Lower Upper
98 100
100 65.7 52.8 79.2



#52
Toluene
Concen: Below Cal
RT: 7.76 min Scan# 734
Delta R.T. -0.01 min
Lab File: VF059816.D
Acq: 2 Aug 2018 22:25

Tgt Ion: 92 Resp: 1893
Ion Ratio Lower Upper
92 100
91 123.9 139.0 208.4#

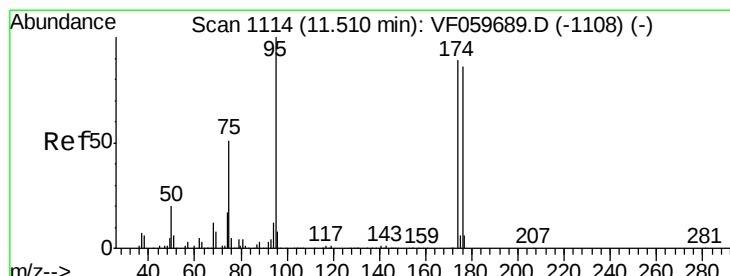
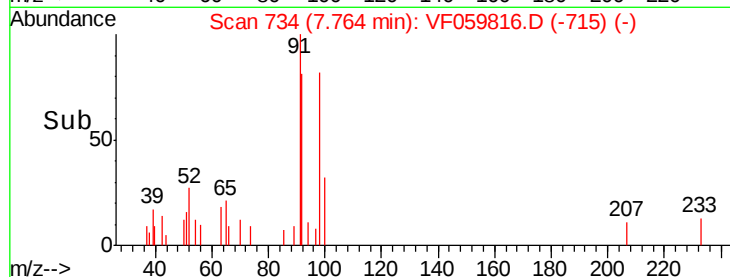
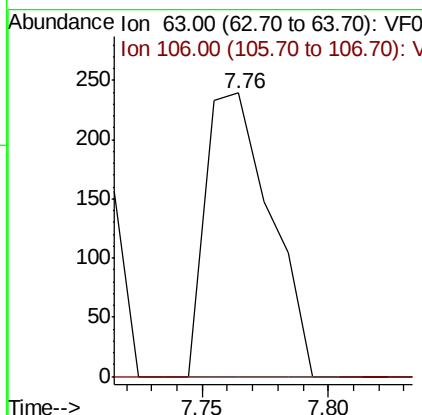
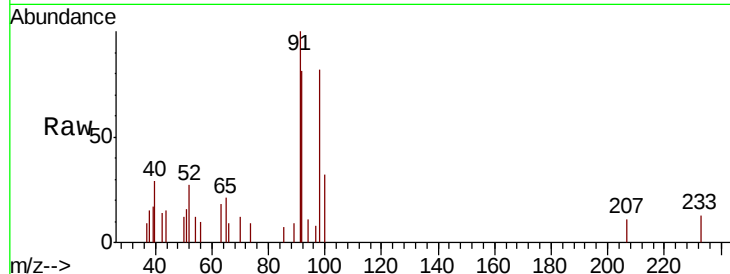




#58
 2-Chloroethyl Vinyl ether
 Concen: 2.545 ug/l
 RT: 7.76 min Scan# 734
 Delta R.T. -0.01 min
 Lab File: VF059816.D
 Acq: 2 Aug 2018 22:25

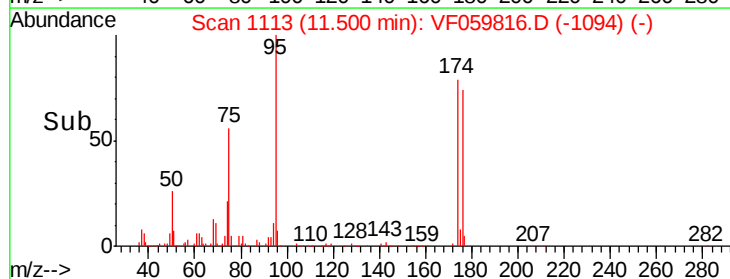
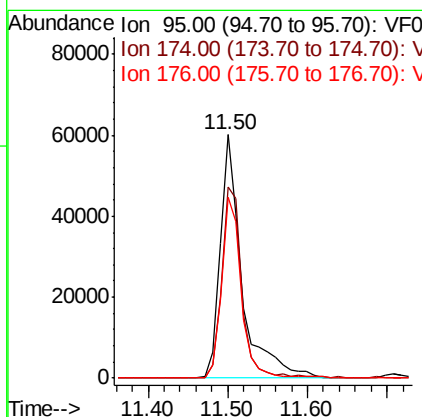
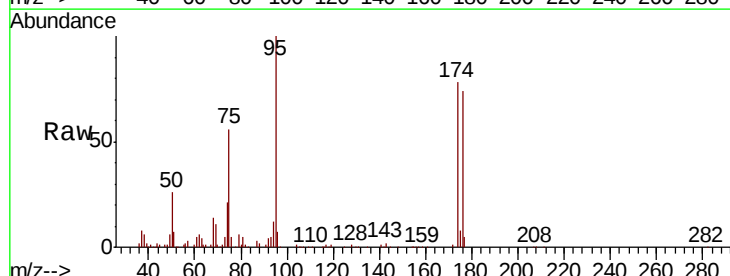
Instrument :
 MSVOA_F
 ClientSampled :
 SB-9(3-5)

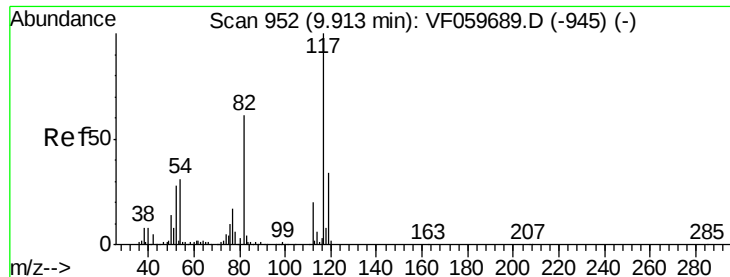
Tot Ion: 63 Resp: 428
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0



#62
 4-Bromofluorobenzene
 Concen: 33.744 ug/l
 RT: 11.50 min Scan# 1113
 Delta R.T. -0.01 min
 Lab File: VF059816.D
 Acq: 2 Aug 2018 22:25

Tgt Ion: 95 Resp: 115523
 Ion Ratio Lower Upper
 95 100
 174 78.5 0.0 178.4
 176 74.3 0.0 173.0

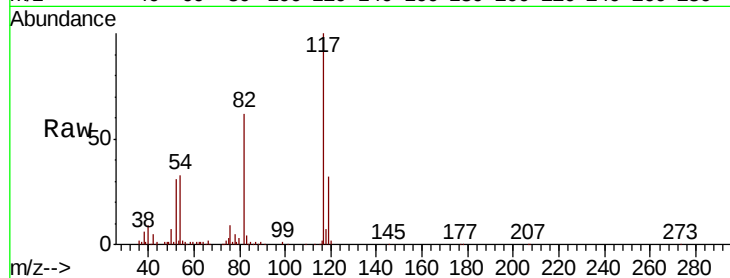




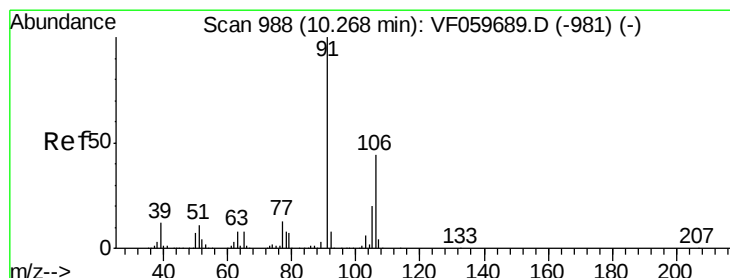
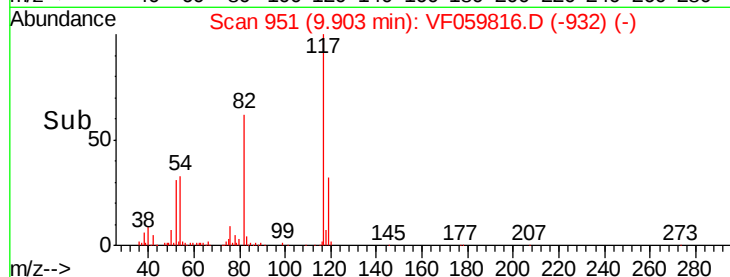
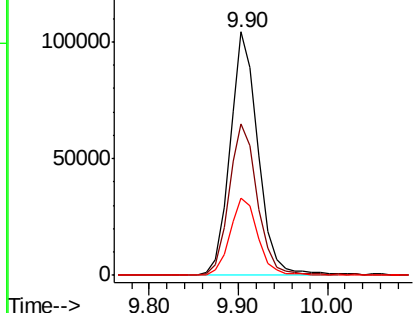
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 951
Delta R.T. -0.01 min
Lab File: VF059816.D
Acq: 2 Aug 2018 22:25

Instrument :
MSVOA_F
ClientSampleId :
SB-9(3-5)

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.4	49.0	73.4
119	31.7	27.3	40.9

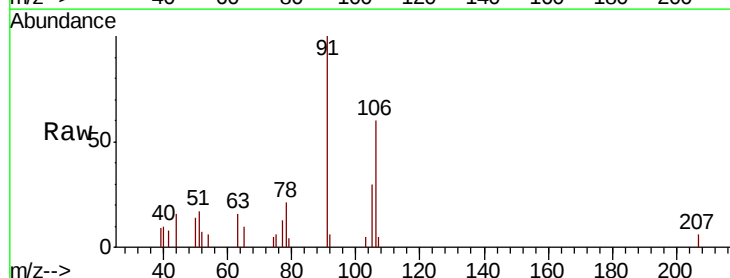


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

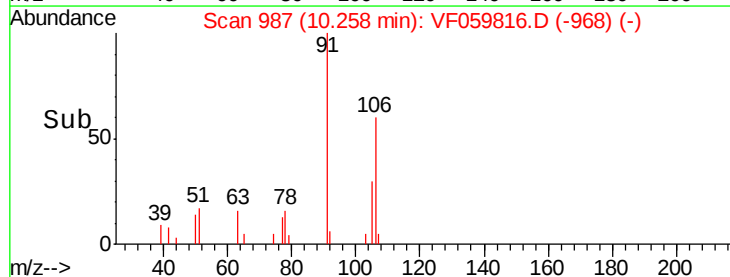
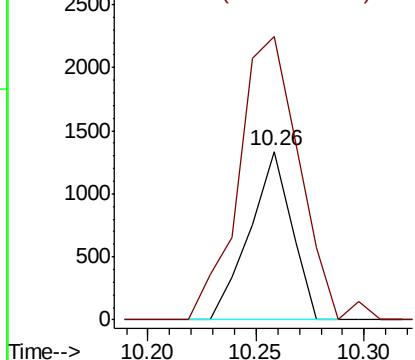


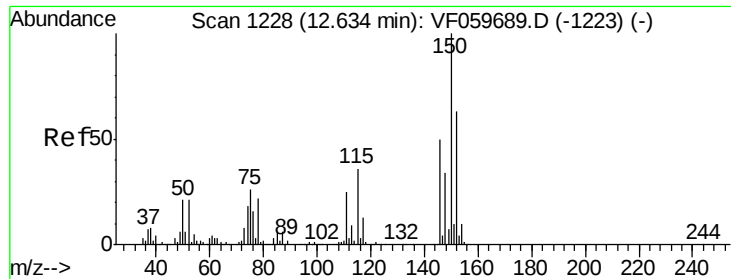
#68
m/p-Xylenes
Concen: Below Cal
RT: 10.26 min Scan# 987
Delta R.T. -0.01 min
Lab File: VF059816.D
Acq: 2 Aug 2018 22:25

Tgt Ion	Ratio	Lower	Upper
106	100		
91	167.8	181.7	272.5#



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



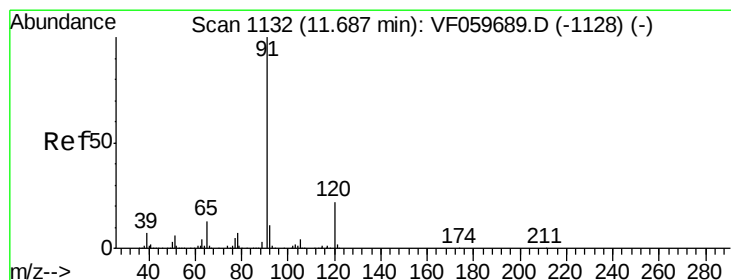
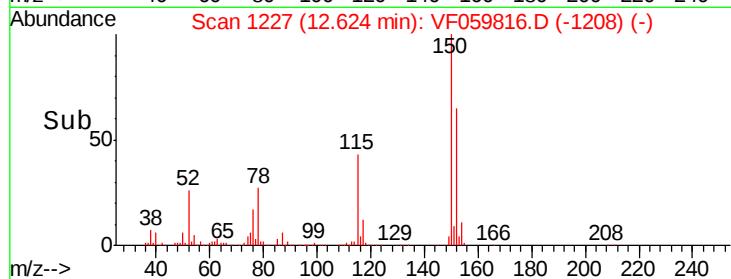
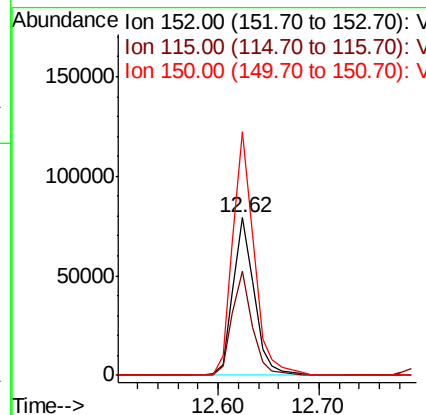
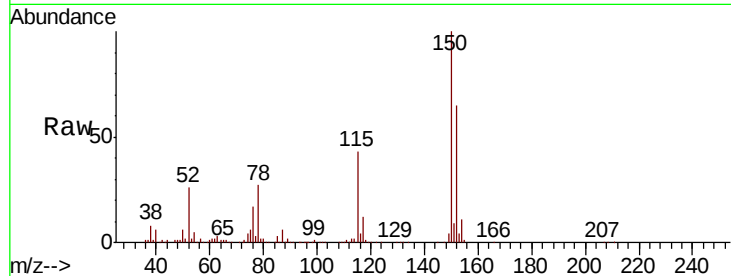


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1227
Delta R.T. -0.01 min
Lab File: VF059816.D
Acq: 2 Aug 2018 22:25

Instrument :
MSVOA_F
ClientSampleId :
SB-9(3-5)

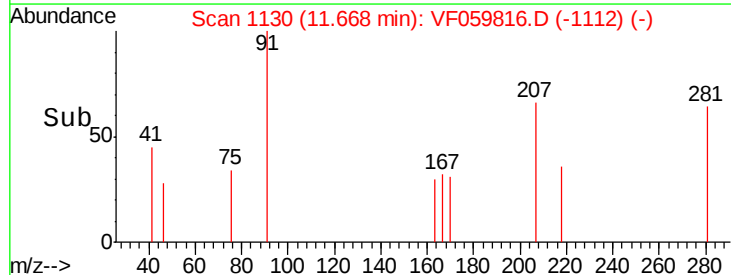
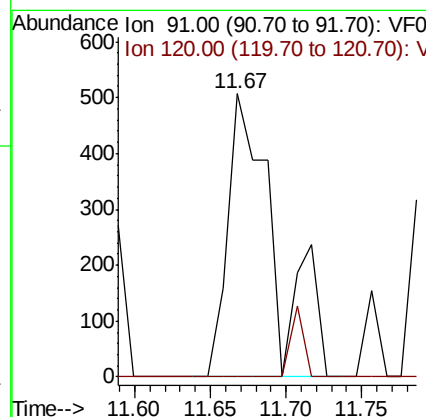
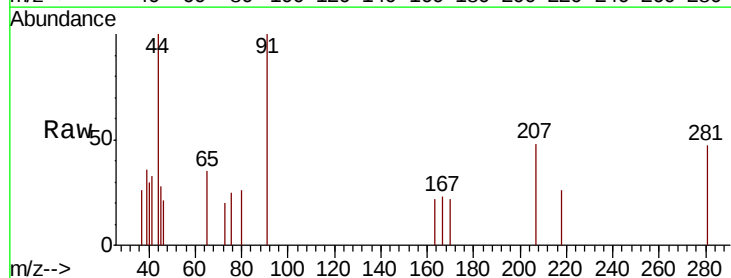
Tot Ion:152 Resp: 115909
Ion Ratio Lower Upper
152 100
115 65.7 28.2 84.6
150 154.3 0.0 316.2

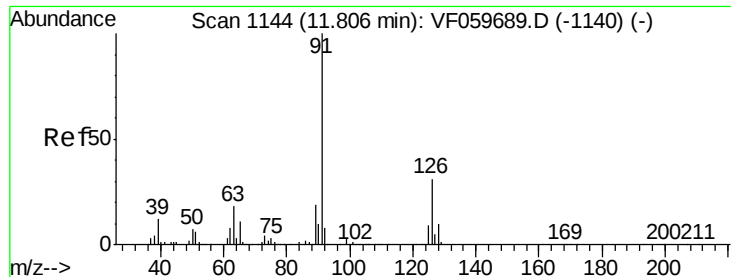


#78

n-propylbenzene
Concen: Below Cal
RT: 11.67 min Scan# 1130
Delta R.T. -0.02 min
Lab File: VF059816.D
Acq: 2 Aug 2018 22:25

Tgt Ion: 91 Resp: 1106
Ion Ratio Lower Upper
91 100
120 0.0 11.0 33.0#

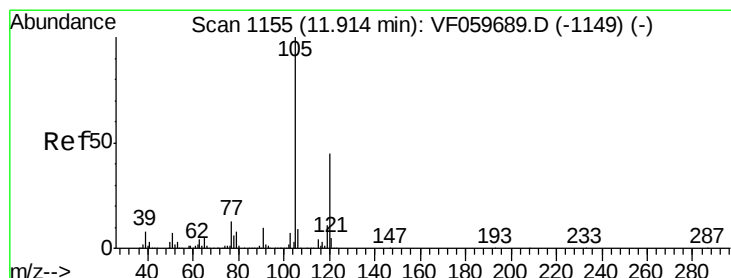
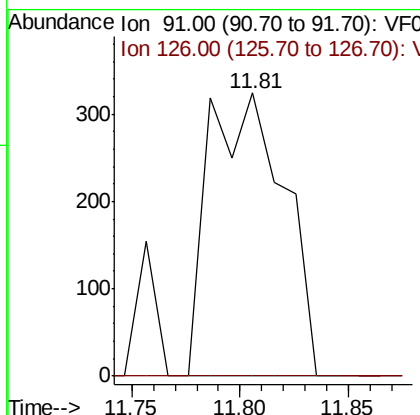
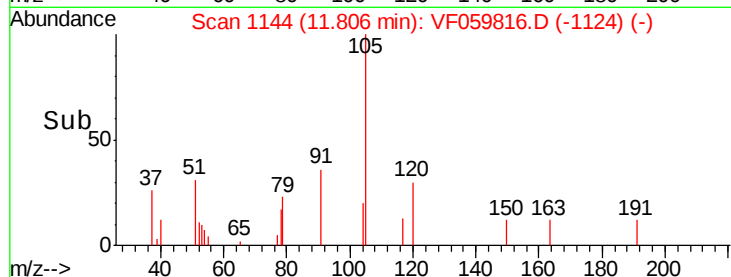
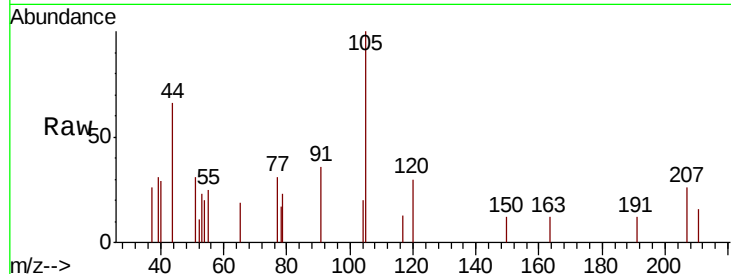




#79
 2-Chlorotoluene
 Concen: Below Cal
 RT: 11.81 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VF059816.D
 Acq: 2 Aug 2018 22:25

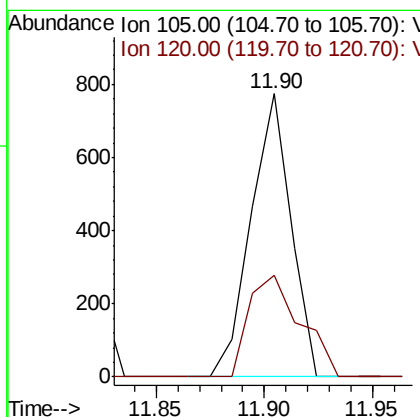
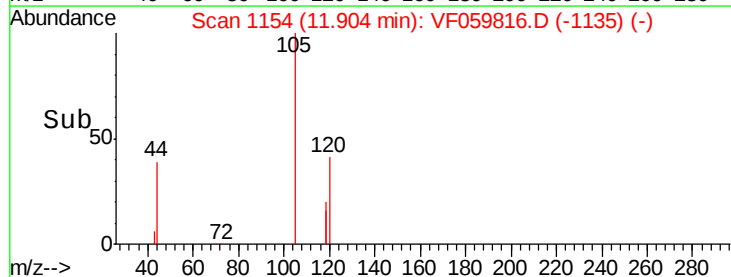
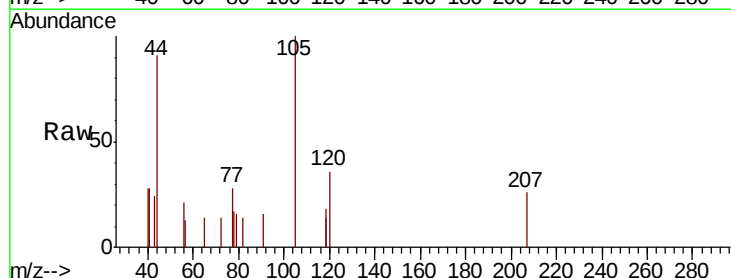
Instrument :
 MSVOA_F
 ClientSampled :
 SB-9(3-5)

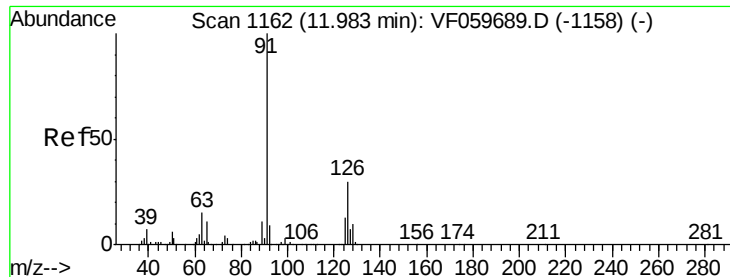
Tot Ion: 91 Resp: 782
 Ion Ratio Lower Upper
 91 100
 126 0.0 15.4 46.2#



#80
 1,3,5-Trimethylbenzene
 Concen: Below Cal
 RT: 11.90 min Scan# 1154
 Delta R.T. -0.01 min
 Lab File: VF059816.D
 Acq: 2 Aug 2018 22:25

Tgt Ion:105 Resp: 1002
 Ion Ratio Lower Upper
 105 100
 120 35.9 22.7 68.0





#82

4-Chlorotoluene

Concen: Below Cal

RT: 11.97 min Scan# 1161

Delta R.T. -0.01 min

Lab File: VF059816.D

Acq: 2 Aug 2018 22:25

Instrument :

MSVOA_F

ClientSampleId :

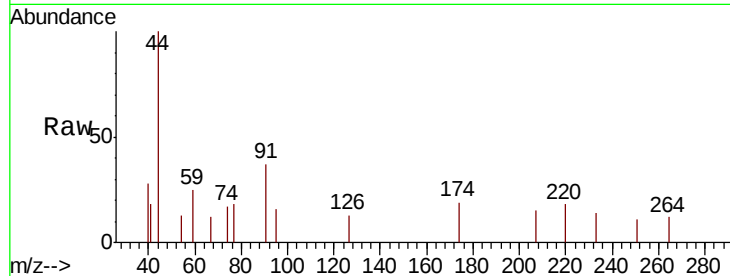
SB-9(3-5)

Tot Ion: 91 Resp: 550

Ion Ratio Lower Upper

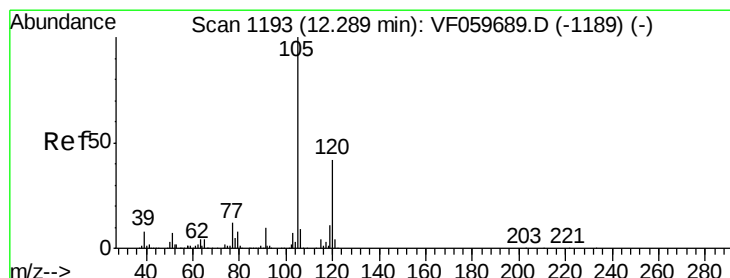
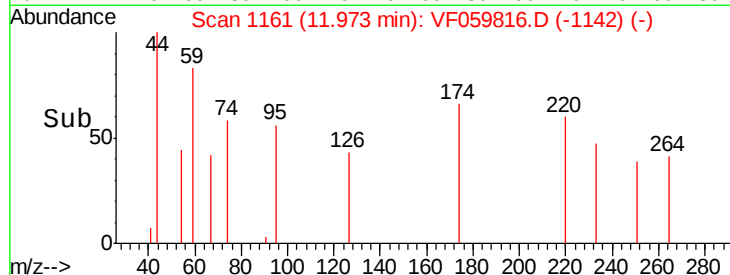
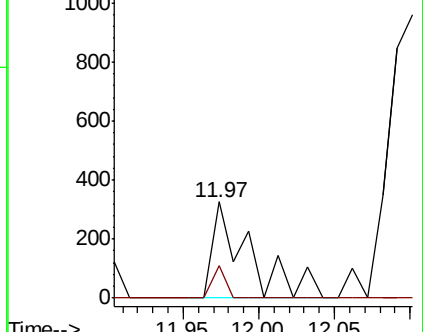
91 100

126 33.7 15.2 45.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#84

1,2,4-Trimethylbenzene

Concen: Below Cal

RT: 12.28 min Scan# 1192

Delta R.T. -0.01 min

Lab File: VF059816.D

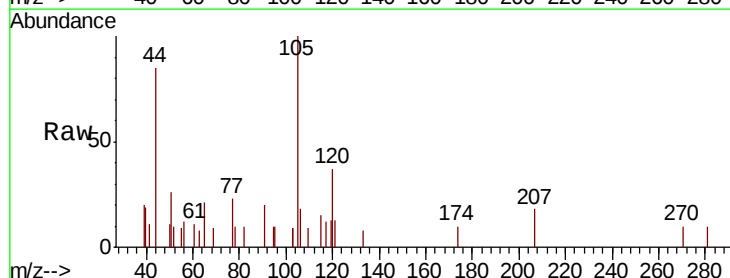
Acq: 2 Aug 2018 22:25

Tgt Ion:105 Resp: 1962

Ion Ratio Lower Upper

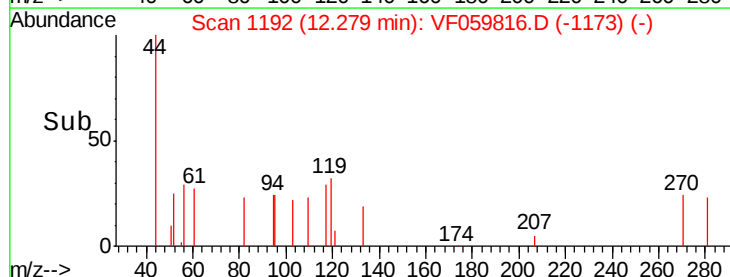
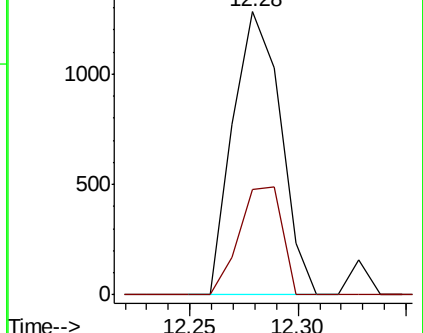
105 100

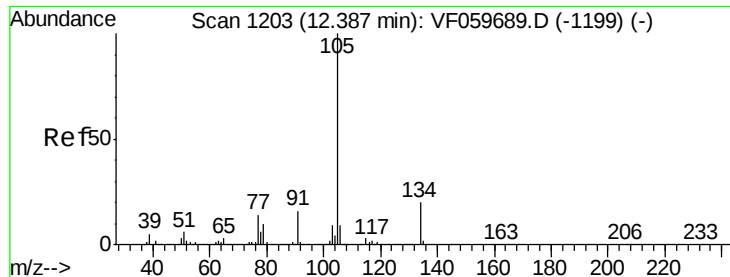
120 37.4 21.1 63.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: Below Cal

RT: 12.37 min Scan# 1201

Delta R.T. -0.02 min

Lab File: VF059816.D

Acq: 2 Aug 2018 22:25

Instrument :

MSVOA_F

ClientSampleId :

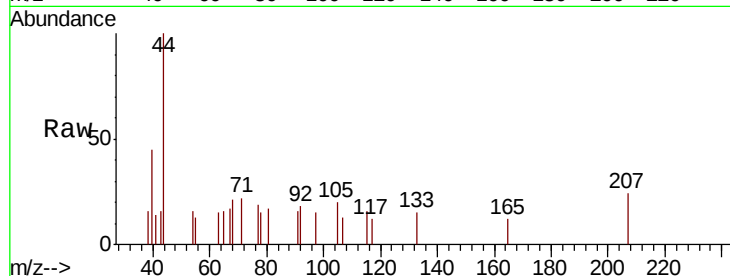
SB-9(3-5)

Tot Ion:105 Resp: 173

Ion Ratio Lower Upper

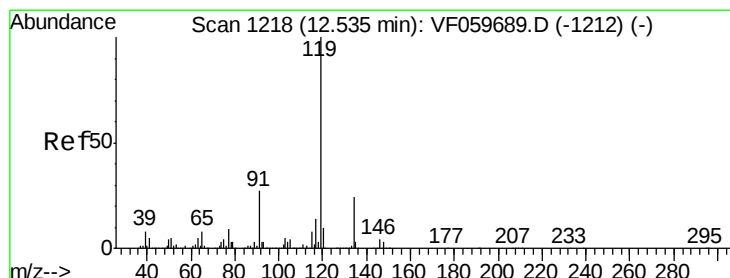
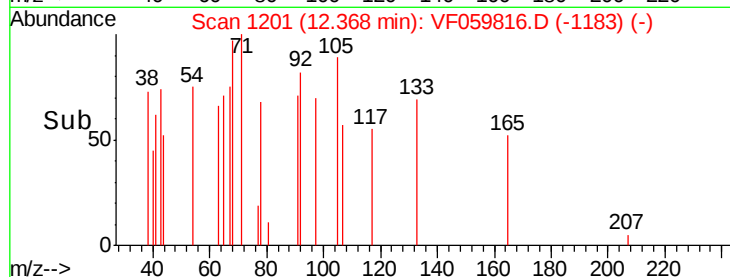
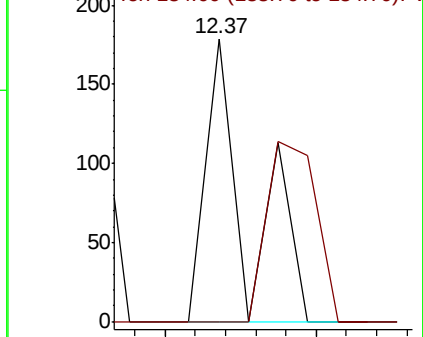
105 100

134 0.0 9.8 29.3#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: Below Cal

RT: 12.53 min Scan# 1217

Delta R.T. -0.01 min

Lab File: VF059816.D

Acq: 2 Aug 2018 22:25

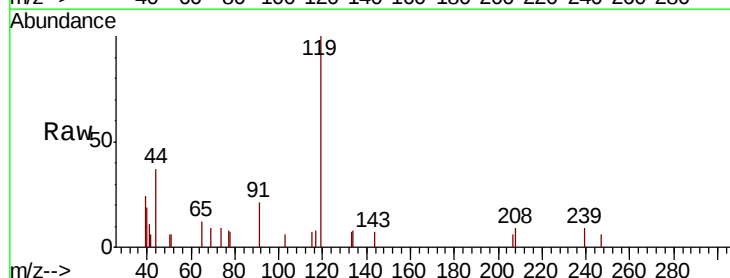
Tgt Ion:119 Resp: 2494

Ion Ratio Lower Upper

119 100

134 8.4 12.2 36.6#

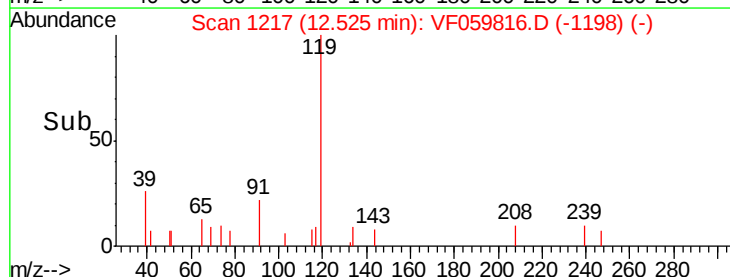
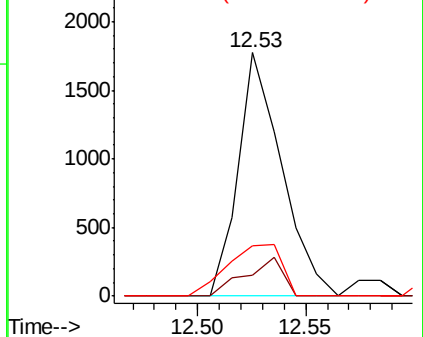
91 20.7 13.4 40.2

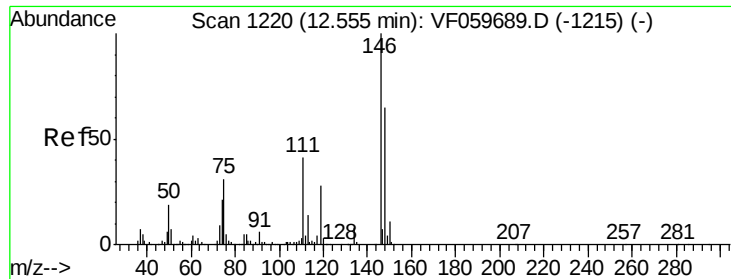


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





#87

1,3-Dichlorobenzene

Concen: Below Cal

RT: 12.56 min Scan# 1220

Delta R.T. 0.00 min

Lab File: VF059816.D

Acq: 2 Aug 2018 22:25

Instrument :

MSVOA_F

ClientSampleId :

SB-9(3-5)

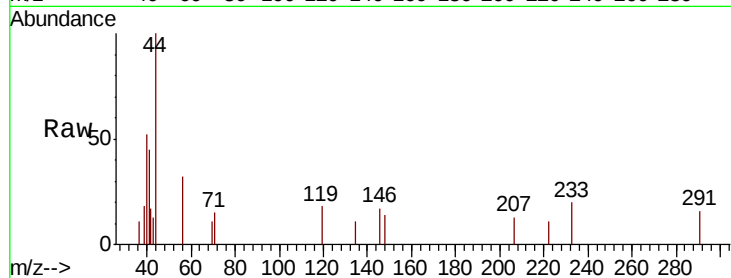
Tot Ion:146 Resp: 95

Ion Ratio Lower Upper

146 100

111 0.0 20.7 62.1#

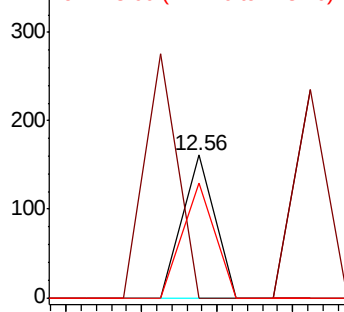
148 80.7 32.3 96.8



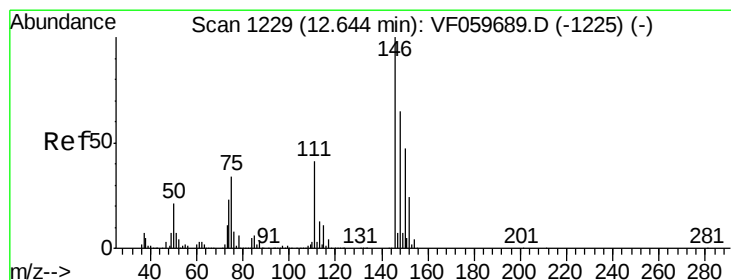
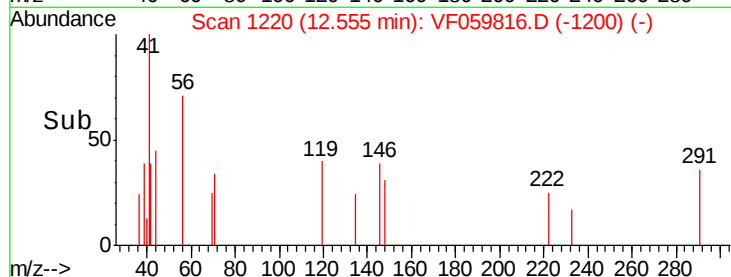
Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



Time--> 12.52 12.54 12.56 12.58



#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 12.63 min Scan# 1228

Delta R.T. -0.01 min

Lab File: VF059816.D

Acq: 2 Aug 2018 22:25

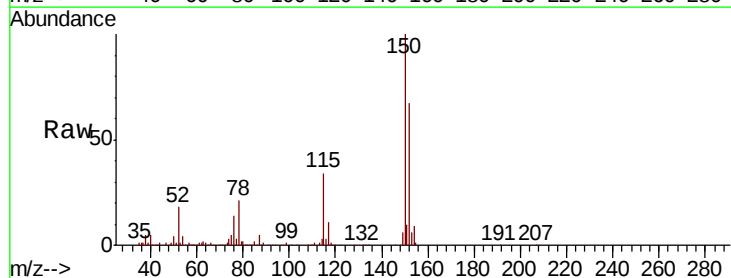
Tgt Ion:146 Resp: 64

Ion Ratio Lower Upper

146 100

111 527.5 20.8 62.2#

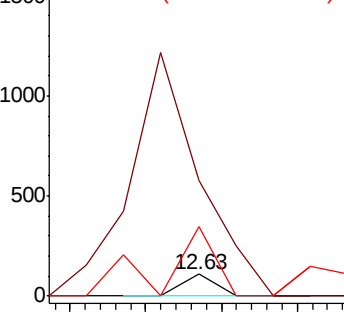
148 321.1 32.3 96.9#



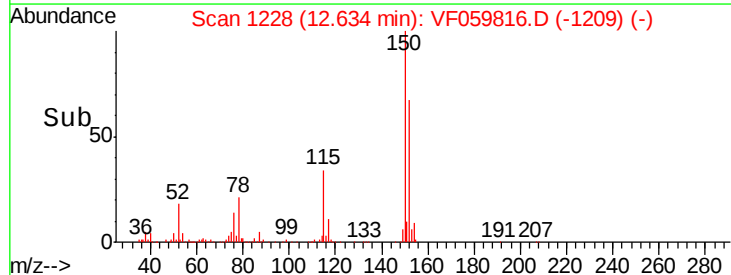
Abundance Ion 146.00 (145.70 to 146.70): V

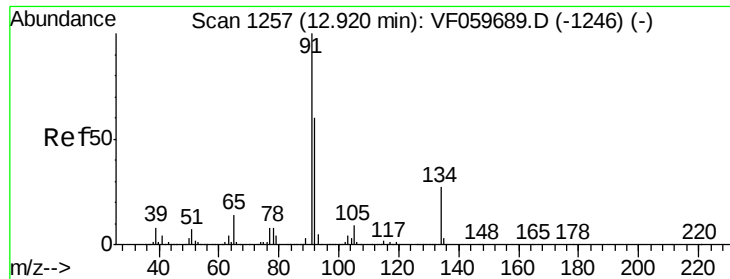
Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



Time--> 12.60 12.62 12.64 12.66





#89

n-Butylbenzene

Concen: Below Cal

RT: 12.89 min Scan# 1254

Delta R.T. -0.03 min

Lab File: VF059816.D

Acq: 2 Aug 2018 22:25

Instrument :

MSVOA_F

ClientSampleId :

SB-9(3-5)

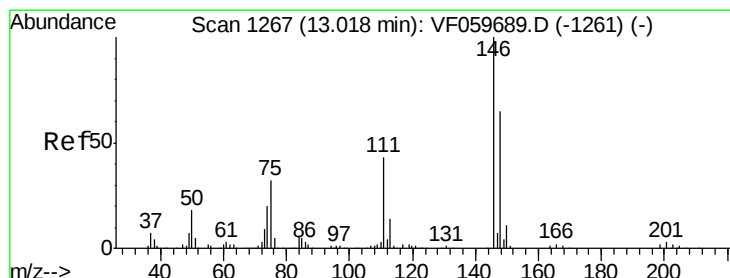
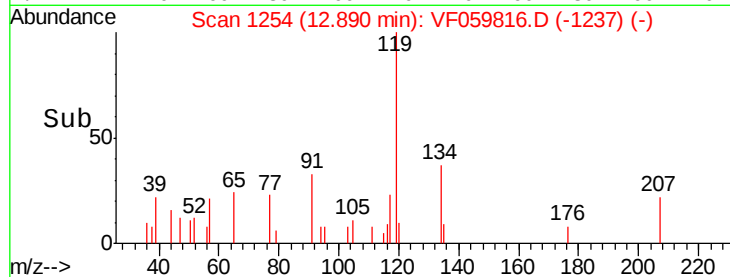
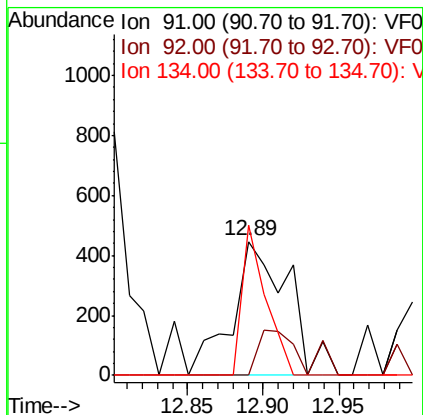
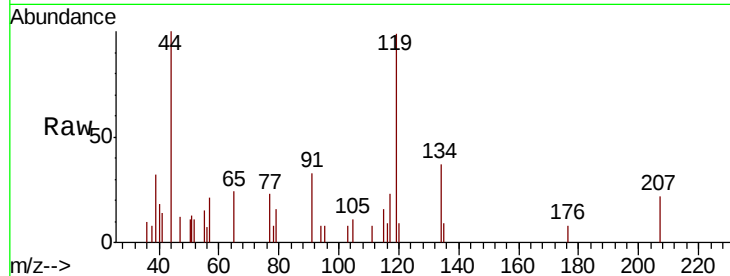
Tot Ion: 91 Resp: 1159

Ion Ratio Lower Upper

91 100

92 0.0 30.1 90.3#

134 112.5 13.7 41.0#



#91

1,2-Dichlorobenzene

Concen: Below Cal

RT: 13.01 min Scan# 1266

Delta R.T. -0.01 min

Lab File: VF059816.D

Acq: 2 Aug 2018 22:25

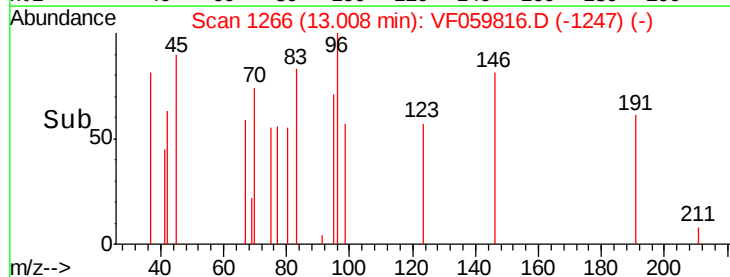
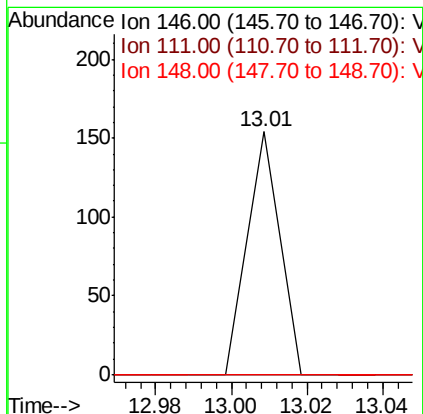
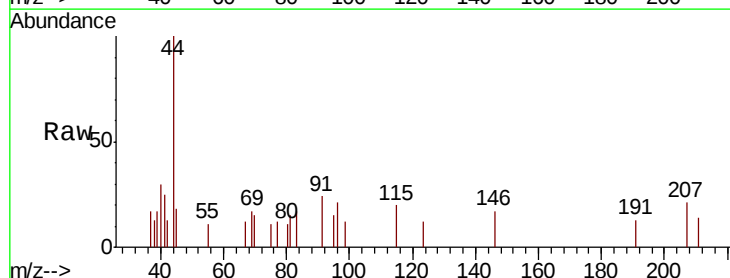
Tgt Ion: 146 Resp: 91

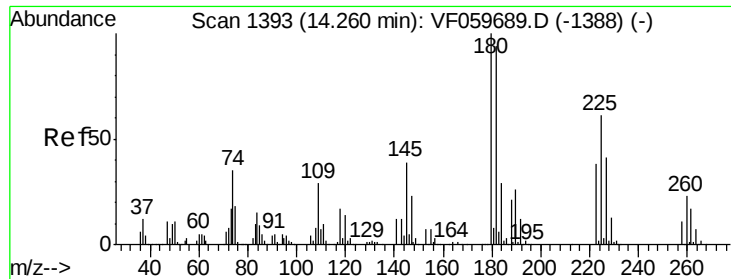
Ion Ratio Lower Upper

146 100

111 0.0 21.6 65.0#

148 0.0 32.3 96.9#

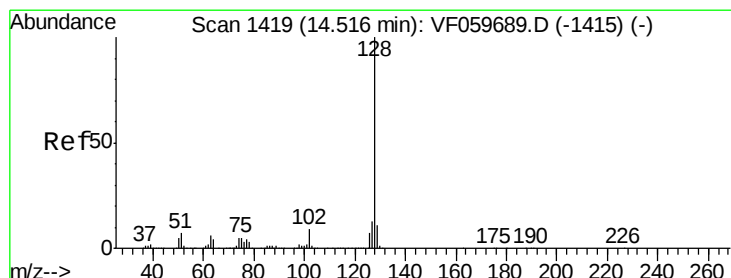
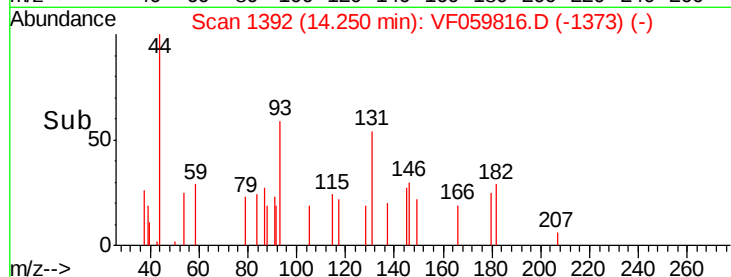
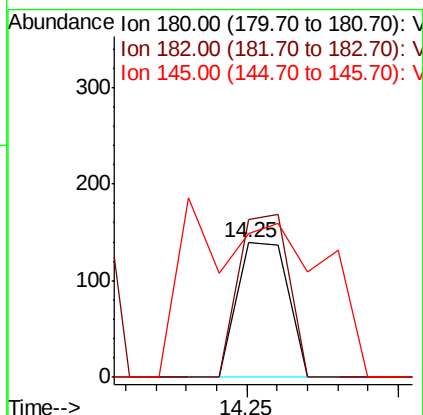
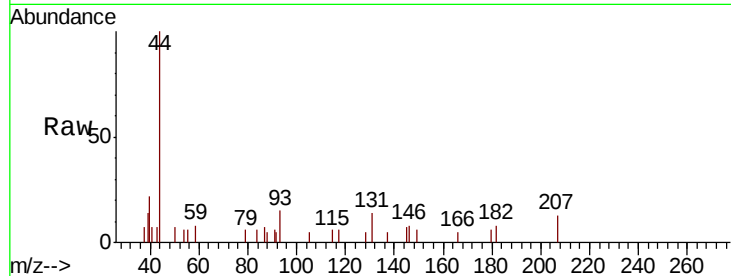




#93
 1,2,4-Trichlorobenzene
 Concen: Below Cal
 RT: 14.25 min Scan# 1392
 Delta R.T. -0.01 min
 Lab File: VF059816.D
 Acq: 2 Aug 2018 22:25

Instrument :
 MSVOA_F
 ClientSampled :
 SB-9(3-5)

Tot Ion:180 Resp: 163
 Ion Ratio Lower Upper
 180 100
 182 117.3 47.2 141.6
 145 107.2 19.3 57.9#



#95
 Naphthalene
 Concen: 1.273 ug/l
 RT: 14.52 min Scan# 1419
 Delta R.T. 0.00 min
 Lab File: VF059816.D
 Acq: 2 Aug 2018 22:25

Tgt Ion:128 Resp: 6360
 Ion Ratio Lower Upper
 128 100
 127 11.1 10.0 15.0
 129 10.1 8.6 13.0

