

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080318\
 Data File : VF059844.D
 Acq On : 3 Aug 2018 17:44
 Operator : VA/AP
 Sample : J4260-01
 Misc : 1.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 88 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TS-LINER-RO-135

Quant Time: Aug 04 03:15:59 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	5.03	168	152939	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	228632	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	82397	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	17815	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	153992	56.03	ug/l	0.00
Spiked Amount			Recovery	=	112.06%	
35) Dibromofluoromethane	4.28	113	120878	50.90	ug/l	0.00
Spiked Amount			Recovery	=	101.80%	
50) Toluene-d8	7.71	98	99187	17.91	ug/l	0.00
Spiked Amount			Recovery	=	35.82%	
62) 4-Bromofluorobenzene	11.51	95	26705	8.71	ug/l	0.00
Spiked Amount			Recovery	=	17.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.98	85	66	Below Cal	#	44
3) Chloromethane	1.11	50	1177	Below Cal	#	38
4) Vinyl Chloride	1.18	62	171	Below Cal	#	1
5) Bromomethane	1.39	94	742	Below Cal	#	4
6) Chloroethane	1.41	64	147	Below Cal	#	1
10) Methyl Iodide	2.00	142	72	Below Cal	#	20
11) Tert butyl alcohol	2.68	59	454	2.65 ug/l	#	74
13) Acrolein	2.11	56	319	21.21 ug/l	#	85
15) Acrylonitrile	3.09	53	412	2.38 ug/l	#	28
16) Acetone	2.34	43	2415	4.88 ug/l	#	47
17) Carbon Disulfide	1.87	76	238	Below Cal	#	1
18) Methyl Acetate	2.42	43	226	Below Cal	#	64
20) Methylene Chloride	2.27	84	5214	Below Cal	#	58
21) trans-1,2-Dichloroethene	2.39	96	267	Below Cal	#	18
28) Bromochloromethane	3.92	49	76	Below Cal	#	15
29) Tetrahydrofuran	4.27	42	561	2.65 ug/l	#	51
31) Cyclohexane	3.90	56	200	Below Cal	#	15
36) 1,1-Dichloropropene	4.51	75	462	Below Cal	#	73
37) Ethyl Acetate	4.33	43	230	Below Cal	#	19
39) Methylcyclohexane	5.76	83	3809	Below Cal	#	51
41) Methacrylonitrile	4.91	41	59	Below Cal	#	26
44) Trichloroethene	5.70	130	69	Below Cal	#	2
49) 1,4-Dioxane	6.81	88	61	Below Cal	#	21
52) Toluene	7.75	92	115	Below Cal	#	83
68) m/p-Xylenes	10.26	106	136	Below Cal	#	17
74) N-amyl acetate	11.44	43	313	1.06 ug/l	#	48
78) n-propylbenzene	11.69	91	196	Below Cal	#	54
79) 2-Chlorotoluene	11.81	91	158	Below Cal	#	44
80) 1,3,5-Trimethylbenzene	11.90	105	227	Below Cal	#	31
81) trans-1,4-Dichloro-2-buten	11.97	75	119	1.54 ug/l	#	9
82) 4-Chlorotoluene	11.99	91	248	Below Cal	#	44
84) 1,2,4-Trimethylbenzene	12.29	105	671	Below Cal	#	33
85) sec-Butylbenzene	12.40	105	297	Below Cal	#	57
86) p-Isopropyltoluene	12.54	119	329	Below Cal	#	49

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QLast Update : Tue Jul 31 15:23:22 2018
Response via : Initial Calibration

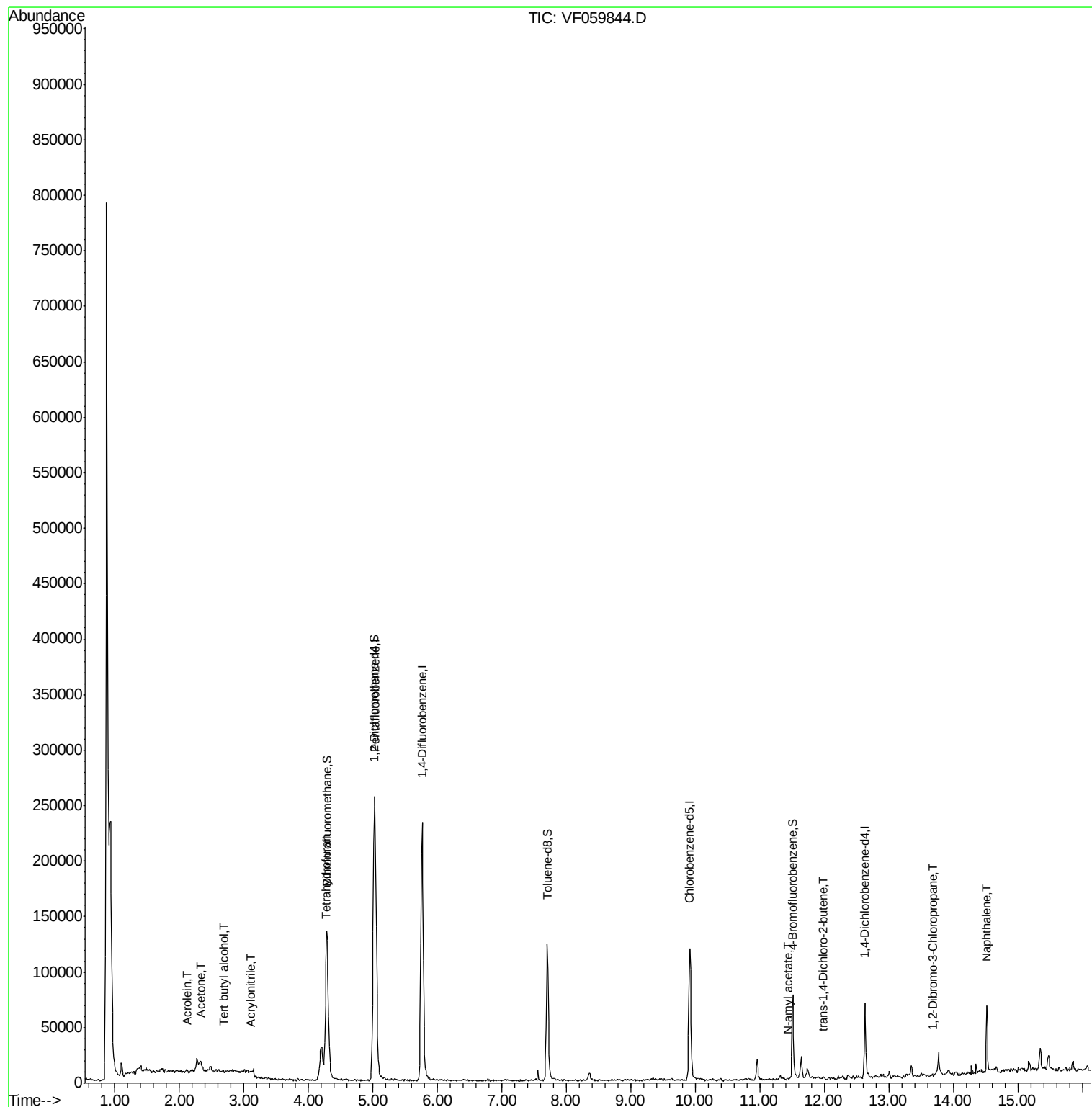
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
87) 1,3-Dichlorobenzene	12.55	146	194	Below Cal	#	24
88) 1,4-Dichlorobenzene	12.65	146	201	Below Cal	#	66
89) n-Butylbenzene	12.91	91	363	Below Cal		80
91) 1,2-Dichlorobenzene	13.02	146	186	Below Cal	#	56
92) 1,2-Dibromo-3-Chloropropan	13.69	75	127	2.36 ug/l	#	9
93) 1,2,4-Trichlorobenzene	14.26	180	441	Below Cal	#	47
95) Naphthalene	14.52	128	38804	50.52 ug/l		99

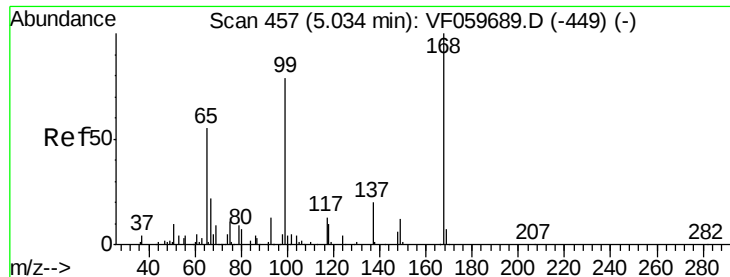
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.03 min Scan# 457

Delta R.T. 0.00 min

Lab File: VF059844.D

Acq: 3 Aug 2018 17:44

Instrument :

MSVOA_F

ClientSampleId :

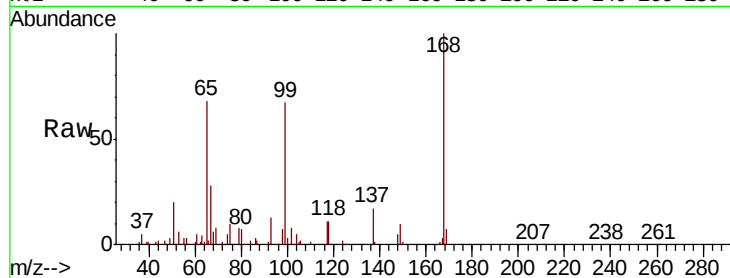
TS-LINER-RO-135

Tot Ion:168 Resp: 152939

Ion Ratio Lower Upper

168 100

99 67.2 63.3 94.9



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

60000

50000

40000

30000

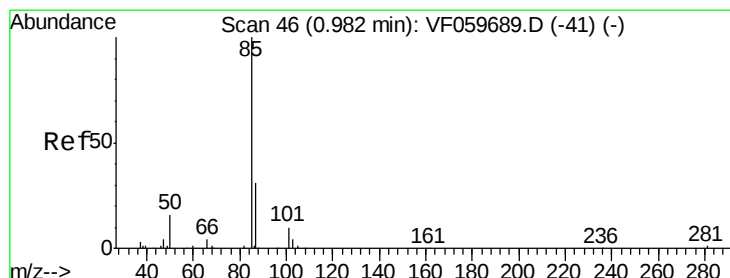
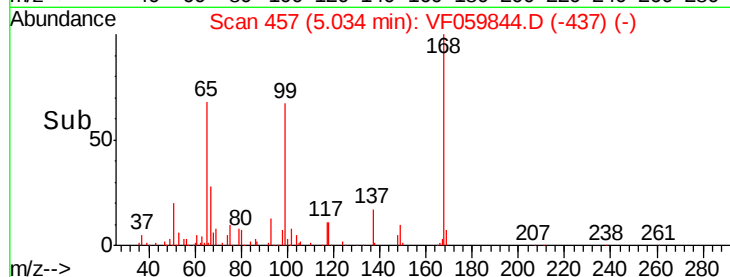
20000

10000

0

4.90 5.00 5.10 5.20

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 0.98 min Scan# 46

Delta R.T. 0.00 min

Lab File: VF059844.D

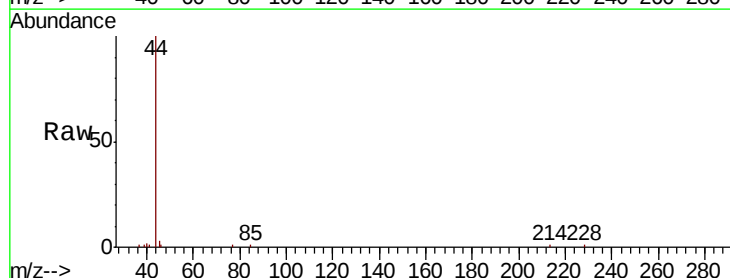
Acq: 3 Aug 2018 17:44

Tgt Ion: 85 Resp: 66

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

150

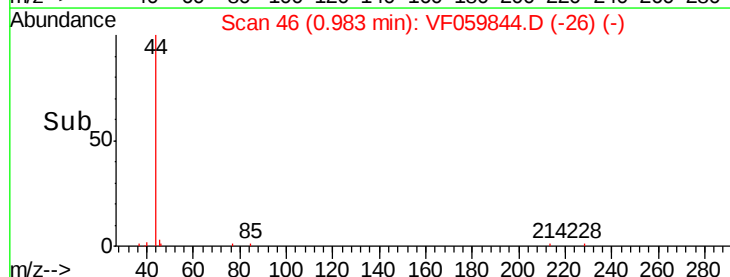
100

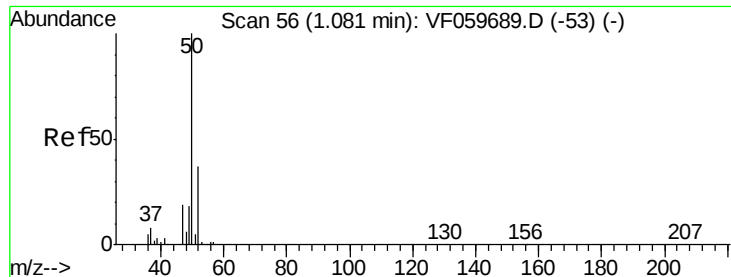
50

0

0.96 0.98 1.00

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 1.11 min Scan# 59

Delta R.T. 0.03 min

Lab File: VF059844.D

Acq: 3 Aug 2018 17:44

Instrument :

MSVOA_F

ClientSampleId :

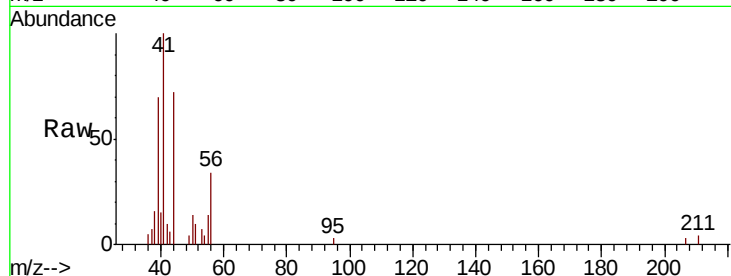
TS-LINER-RO-135

Tot Ion: 50 Resp: 1177

Ion Ratio Lower Upper

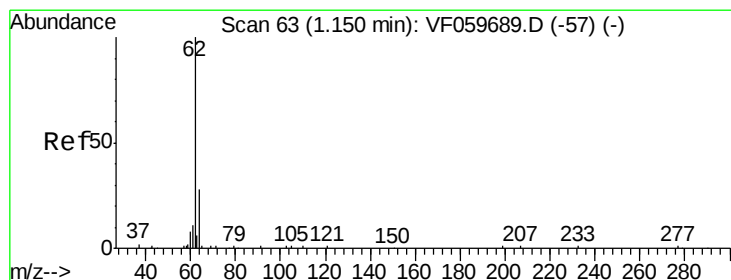
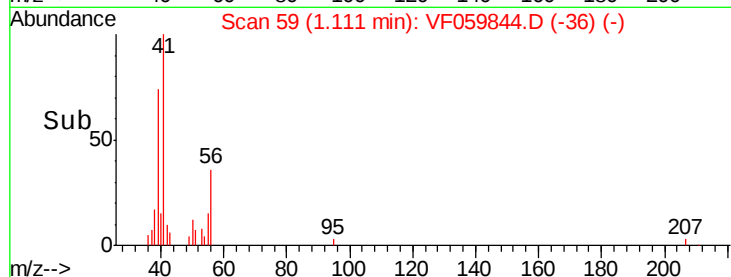
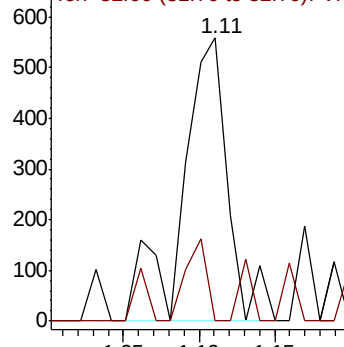
50 100

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



#4

Vinyl Chloride

Concen: Below Cal

RT: 1.18 min Scan# 66

Delta R.T. 0.03 min

Lab File: VF059844.D

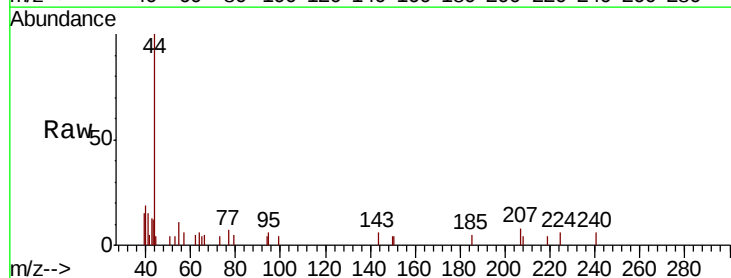
Acq: 3 Aug 2018 17:44

Tgt Ion: 62 Resp: 171

Ion Ratio Lower Upper

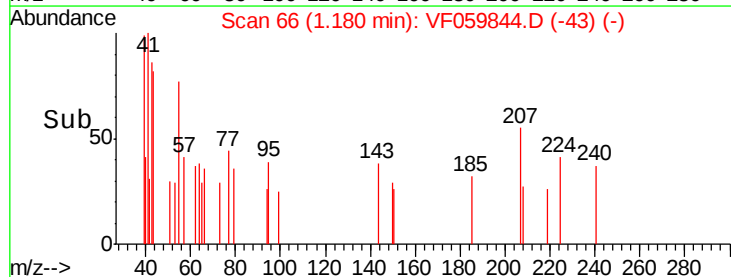
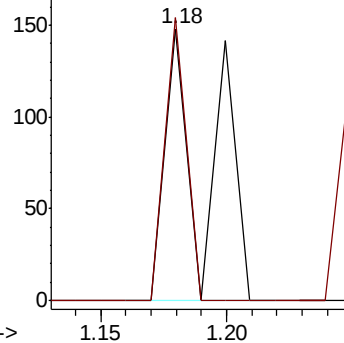
62 100

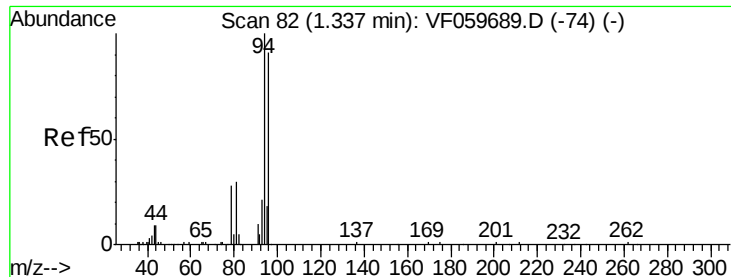
64 104.1 22.6 33.8#



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: Below Cal

RT: 1.39 min Scan# 87

Delta R.T. 0.05 min

Lab File: VF059844.D

Acq: 3 Aug 2018 17:44

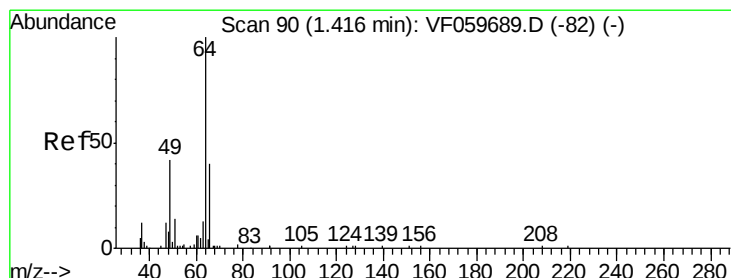
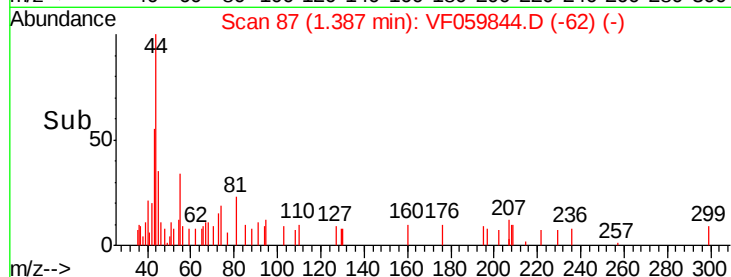
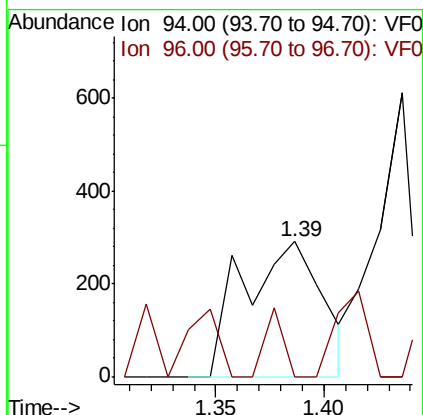
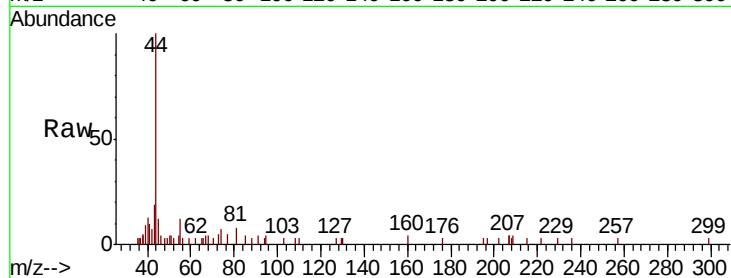
Instrument :
MSVOA_F
ClientSampleId :
TS-LINER-RO-135

Tot Ion: 94 Resp: 742

Ion Ratio Lower Upper

94 100

96 0.0 73.6 110.4#



#6

Chloroethane

Concen: Below Cal

RT: 1.41 min Scan# 89

Delta R.T. -0.01 min

Lab File: VF059844.D

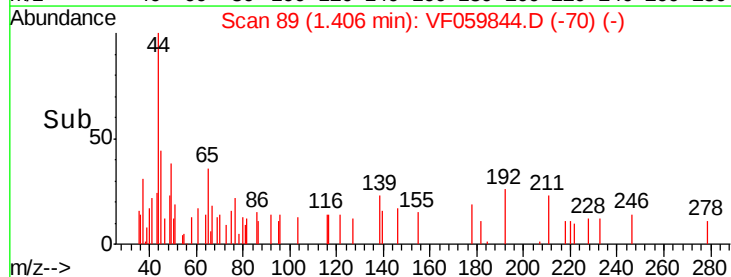
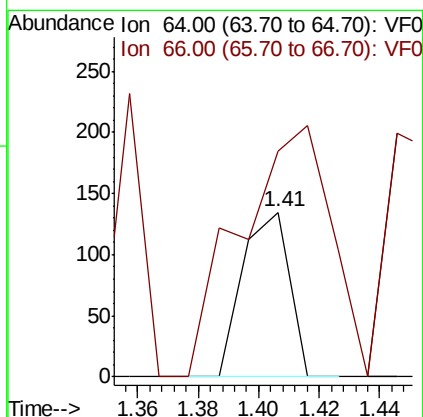
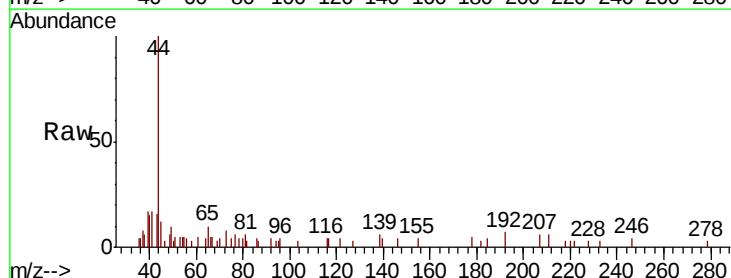
Acq: 3 Aug 2018 17:44

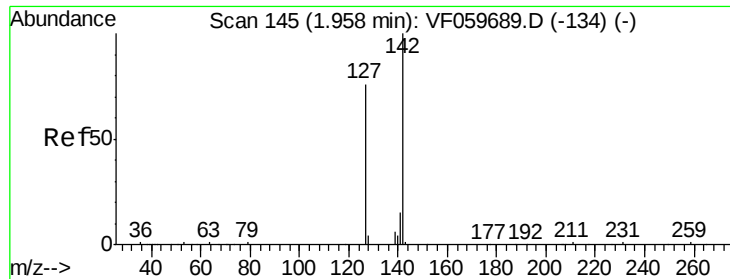
Tgt Ion: 64 Resp: 147

Ion Ratio Lower Upper

64 100

66 137.0 32.6 49.0#

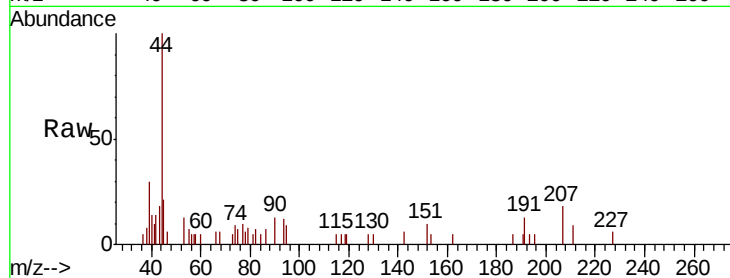




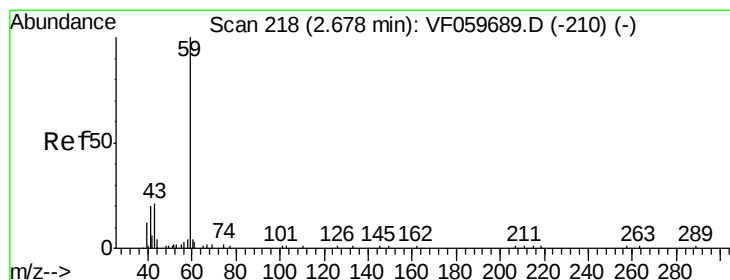
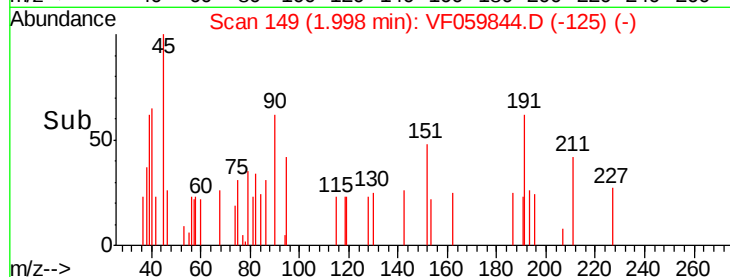
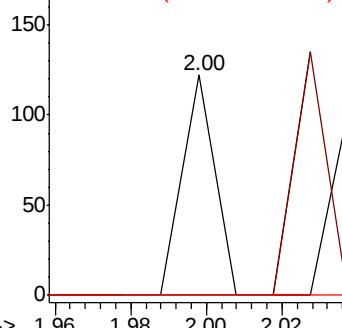
#10
Methyl Iodide
Concen: Below Cal
RT: 2.00 min Scan# 149
Delta R.T. 0.04 min
Lab File: VF059844.D
Acq: 3 Aug 2018 17:44

Instrument :
MSVOA_F
ClientSampleId :
TS-LINER-RO-135

Tot Ion:142 Resp: 72
Ion Ratio Lower Upper
142 100
127 0.0 60.6 91.0#
141 0.0 12.0 18.0#

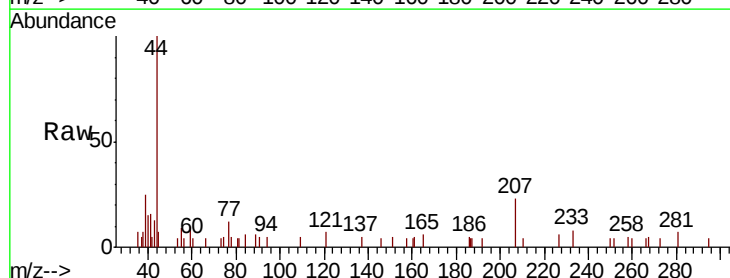


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

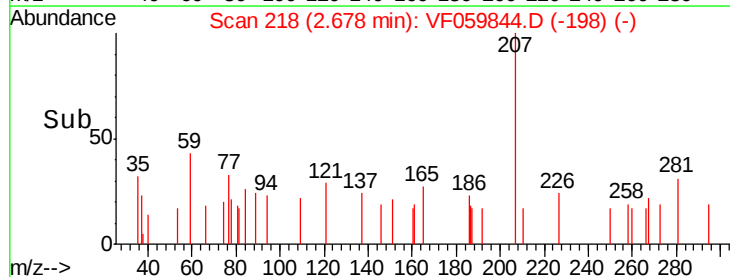
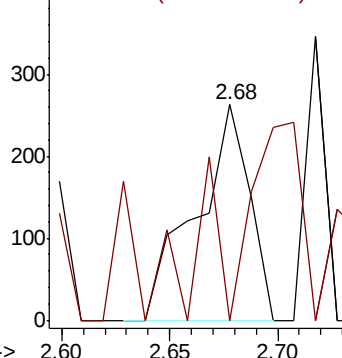


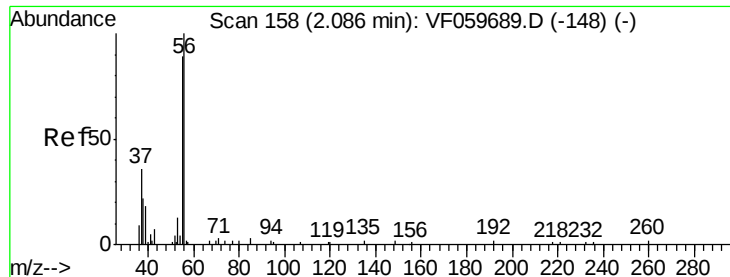
#11
Tert butyl alcohol
Concen: 2.65 ug/l
RT: 2.68 min Scan# 218
Delta R.T. 0.00 min
Lab File: VF059844.D
Acq: 3 Aug 2018 17:44

Tgt Ion: 59 Resp: 454
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





#13

Acrolein

Concen: 21.21 ug/l

RT: 2.11 min Scan# 160

Delta R.T. 0.02 min

Lab File: VF059844.D

Acq: 3 Aug 2018 17:44

Instrument :

MSVOA_F

ClientSampleId :

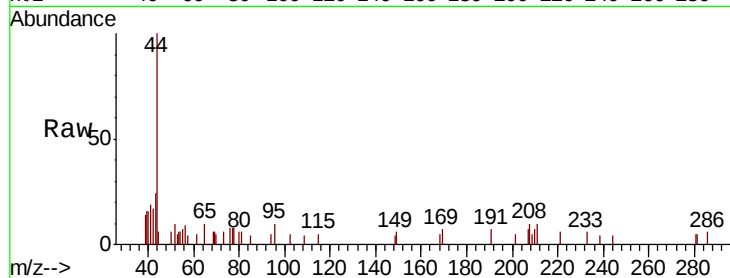
TS-LINER-RO-135

Tot Ion: 56 Resp: 319

Ion Ratio Lower Upper

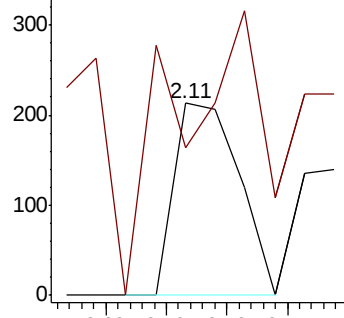
56 100

55 77.0 73.2 109.8

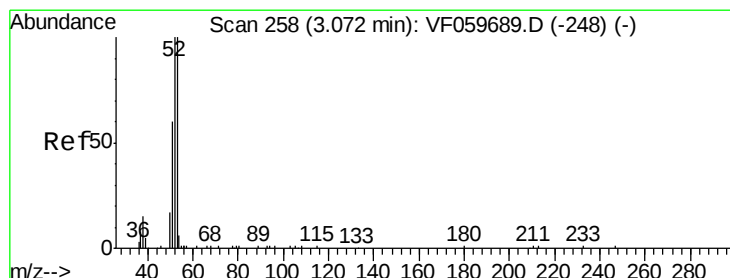
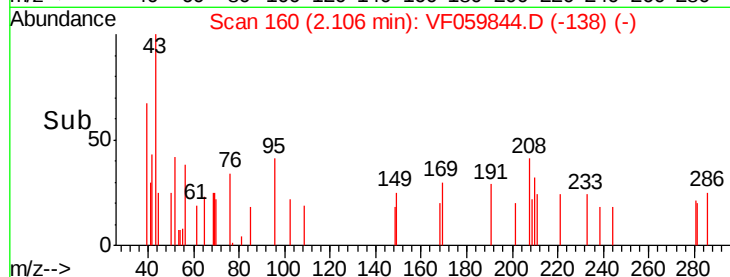


Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



Time-->



#15

Acrylonitrile

Concen: 2.38 ug/l

RT: 3.09 min Scan# 260

Delta R.T. 0.02 min

Lab File: VF059844.D

Acq: 3 Aug 2018 17:44

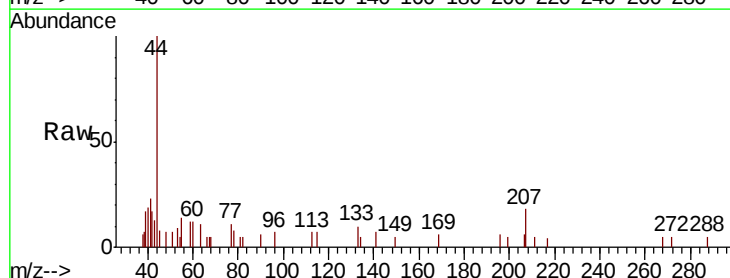
Tgt Ion: 53 Resp: 412

Ion Ratio Lower Upper

53 100

52 0.0 80.3 120.5#

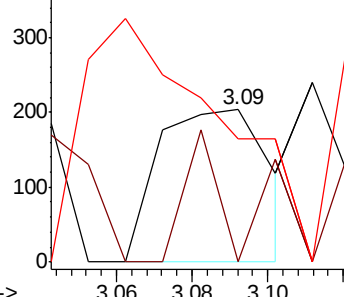
51 80.9 49.4 74.0#



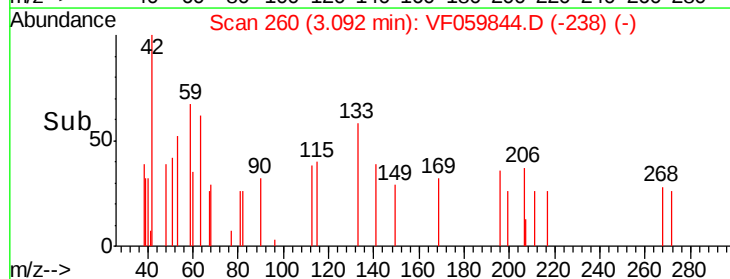
Abundance Ion 53.00 (52.70 to 53.70): VF0

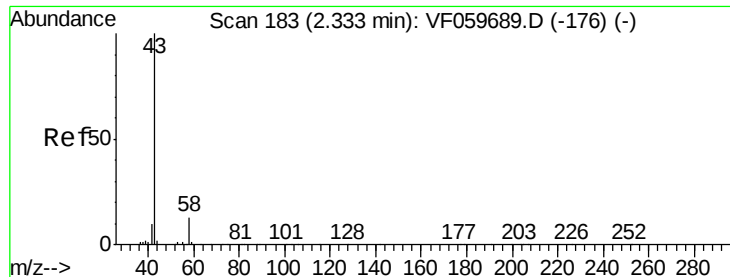
Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



Time-->





#16

Acetone

Concen: 4.88 ug/l

RT: 2.34 min Scan# 184

Delta R.T. 0.01 min

Lab File: VF059844.D

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ClientSampleId :

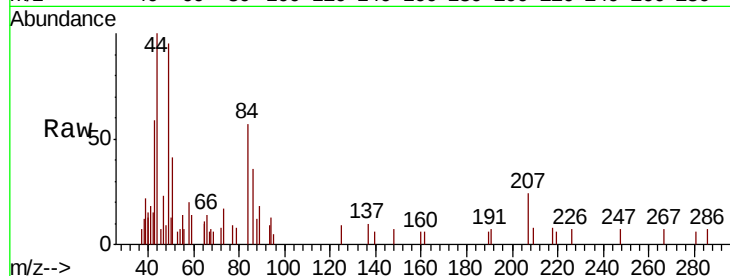
TS-LINER-RO-135

Tot Ion: 43 Resp: 2415

Ion Ratio Lower Upper

43 100

58 33.5 10.1 15.1#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.34

1200

1000

800

600

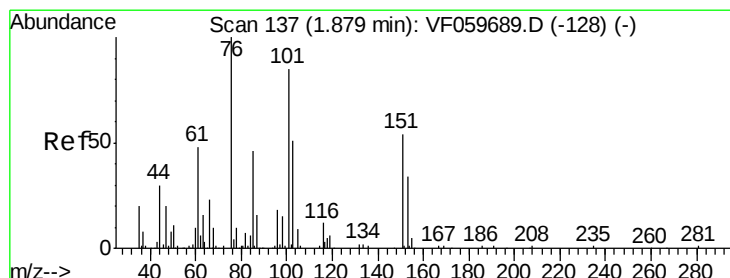
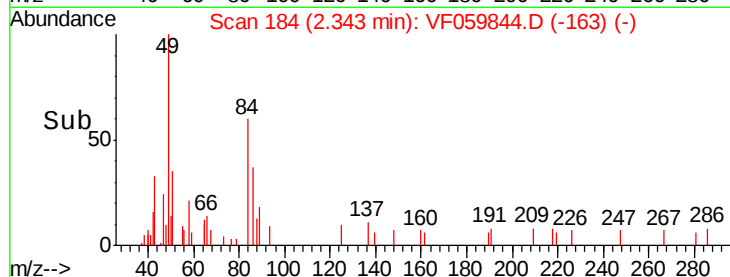
400

200

0

Time-->

2.25 2.30 2.35 2.40



#17

Carbon Disulfide

Concen: Below Cal

RT: 1.87 min Scan# 136

Delta R.T. -0.01 min

Lab File: VF059844.D

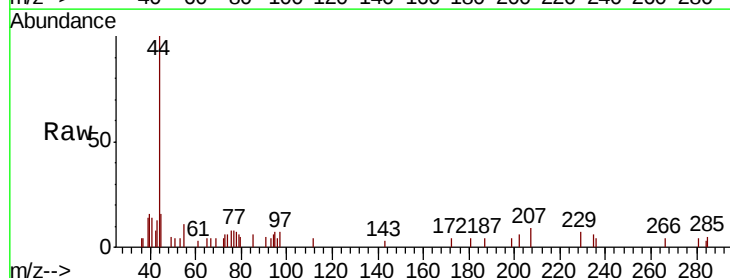
Acq: 3 Aug 2018 17:44

Tgt Ion: 76 Resp: 238

Ion Ratio Lower Upper

76 100

78 87.4 8.9 13.3#



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

300

250

200

150

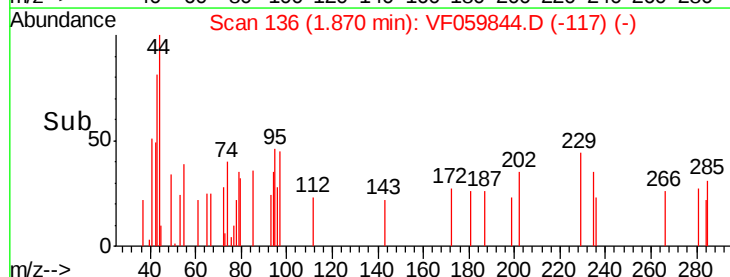
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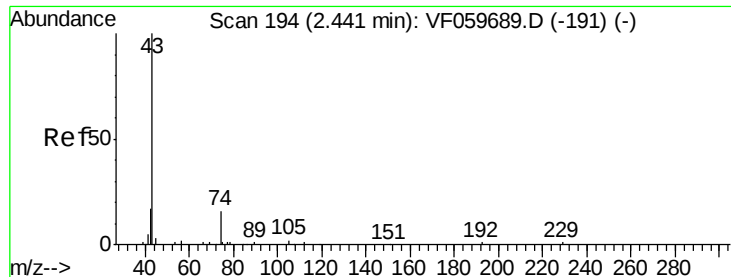
50

0

Time-->

1.82 1.84 1.86 1.88 1.90

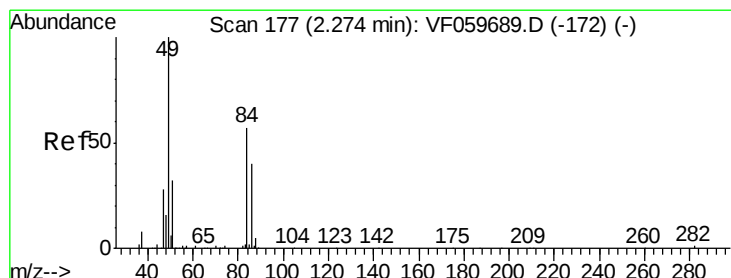
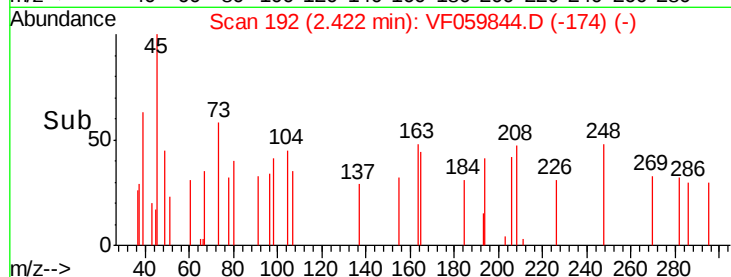
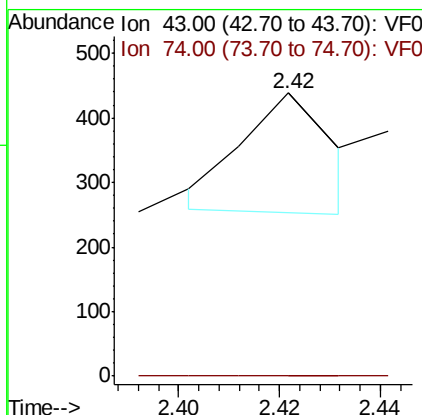
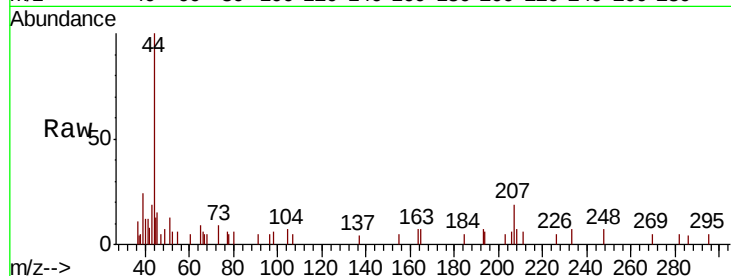




#18
Methyl Acetate
Concen: Below Cal
RT: 2.42 min Scan# 192
Delta R.T. -0.02 min
Lab File: VF059844.D
Acq: 3 Aug 2018 17:44

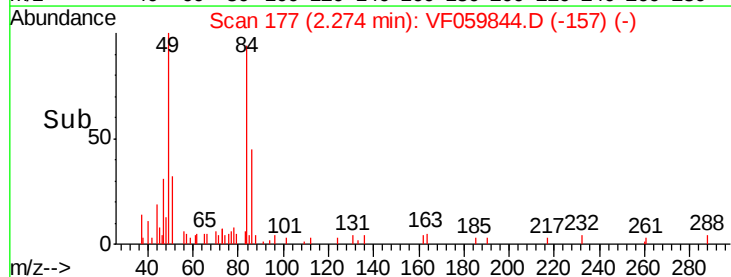
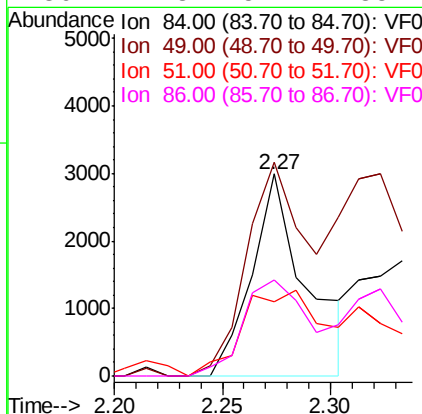
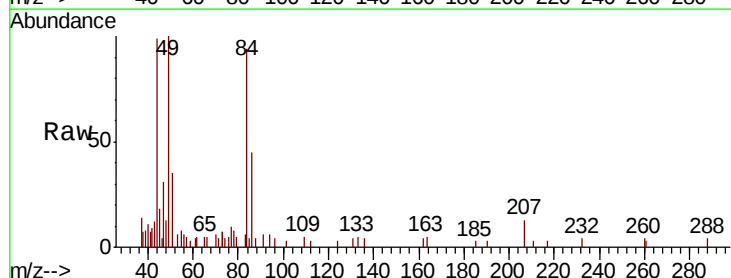
Instrument :
MSVOA_F
ClientSampleId :
TS-LINER-RO-135

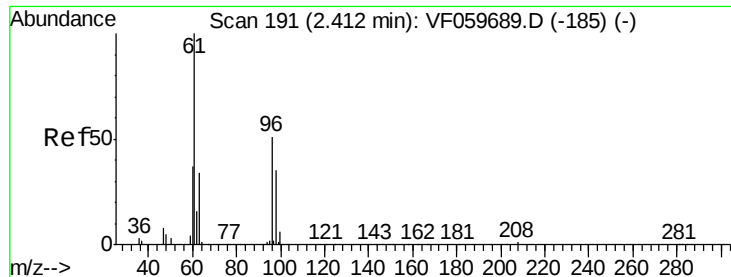
Tot Ion: 43 Resp: 226
Ion Ratio Lower Upper
43 100
74 0.0 11.8 17.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.27 min Scan# 177
Delta R.T. 0.00 min
Lab File: VF059844.D
Acq: 3 Aug 2018 17:44

Tgt Ion: 84 Resp: 5214
Ion Ratio Lower Upper
84 100
49 105.9 142.2 213.4#
51 36.8 46.2 69.2#
86 47.3 57.1 85.7#





#21

trans-1,2-Dichloroethene

Concen: Below Cal

RT: 2.39 min Scan# 189

Delta R.T. -0.02 min

Lab File: VF059844.D

Acq: 3 Aug 2018 17:44

Instrument :

MSVOA_F

ClientSampleId :

TS-LINER-RO-135

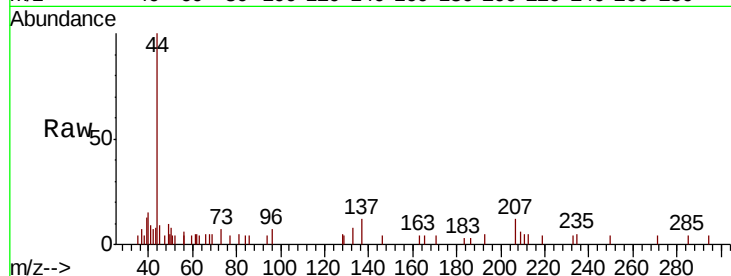
Tot Ion: 96 Resp: 267

Ion Ratio Lower Upper

96 100

61 74.4 157.4 236.0#

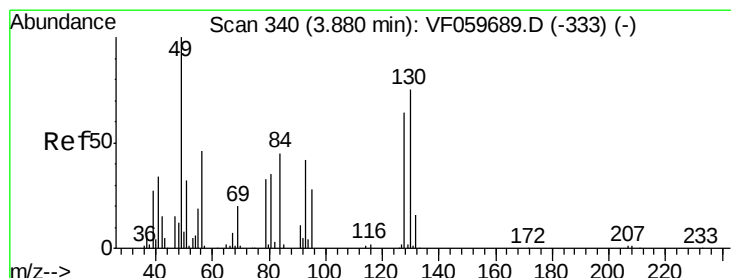
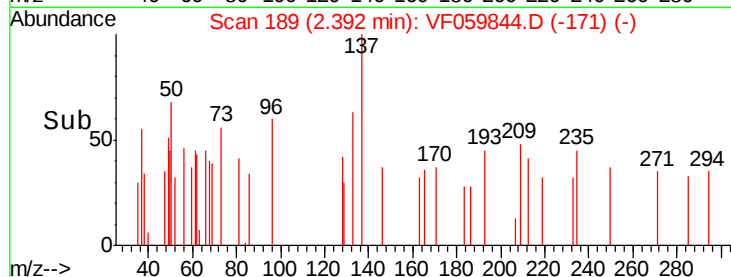
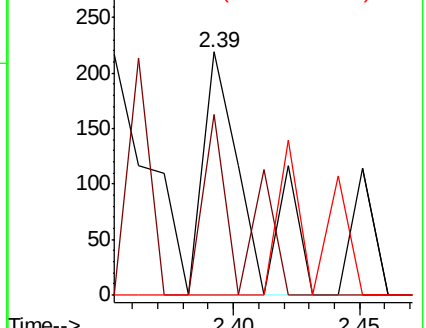
98 0.0 55.0 82.4#



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



#28

Bromochloromethane

Concen: Below Cal

RT: 3.92 min Scan# 344

Delta R.T. 0.04 min

Lab File: VF059844.D

Acq: 3 Aug 2018 17:44

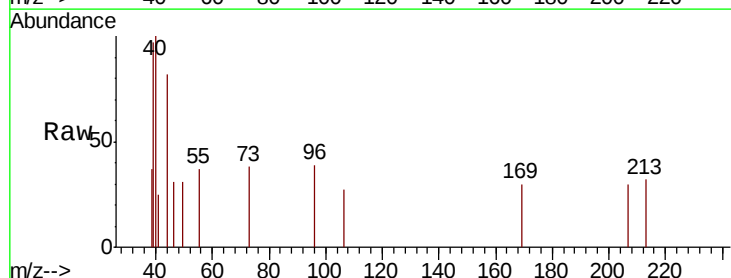
Tgt Ion: 49 Resp: 76

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.8

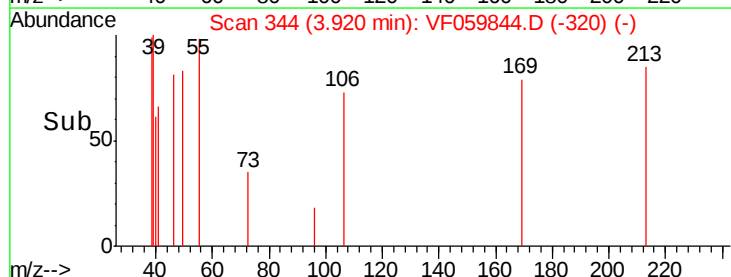
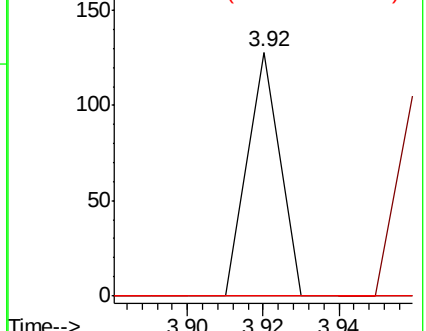
130 0.0 59.6 89.4#

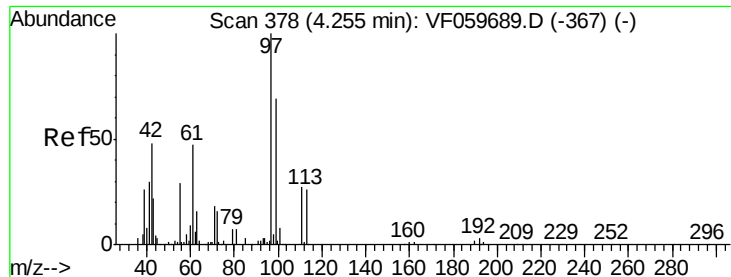


Abundance Ion 49.00 (48.70 to 49.70): VF0

Ion 129.00 (128.70 to 129.70): V

Ion 130.00 (129.70 to 130.70): V





#29

Tetrahydrofuran

Concen: 2.65 ug/l

RT: 4.27 min Scan# 379

Delta R.T. 0.01 min

Lab File: VF059844.D

Acq: 3 Aug 2018 17:44

Instrument :

MSVOA_F

ClientSampleId :

TS-LINER-RO-135

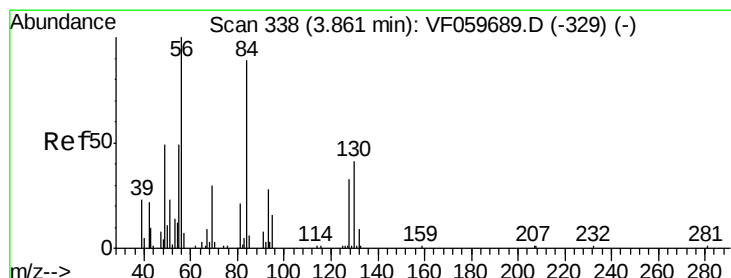
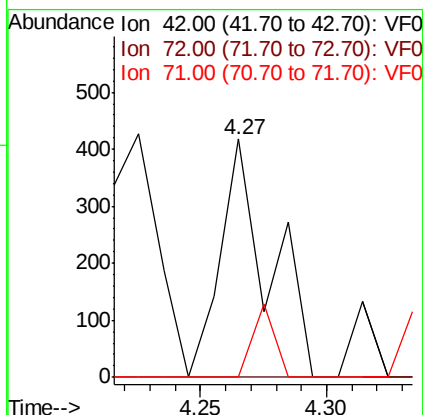
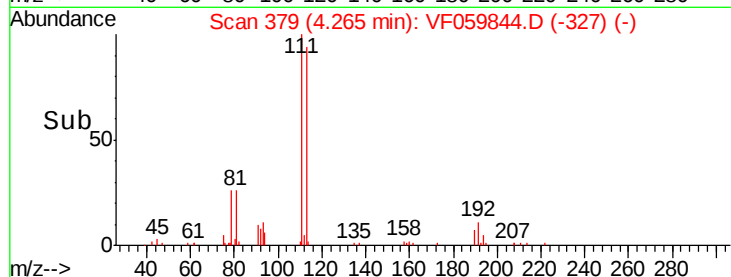
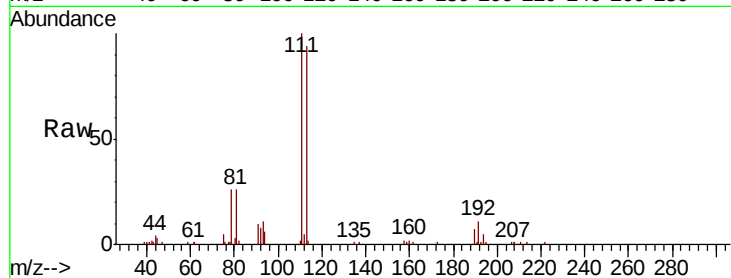
Tot Ion: 42 Resp: 561

Ion Ratio Lower Upper

42 100

72 0.0 27.0 40.6#

71 13.5 29.7 44.5#



#31

Cyclohexane

Concen: Below Cal

RT: 3.90 min Scan# 342

Delta R.T. 0.04 min

Lab File: VF059844.D

Acq: 3 Aug 2018 17:44

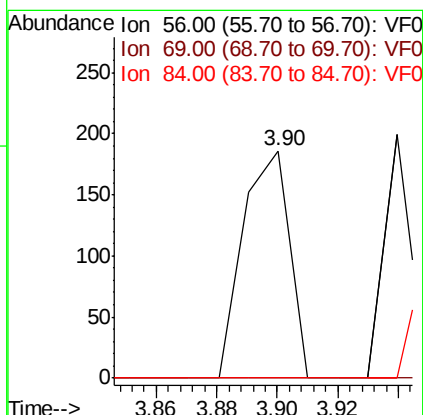
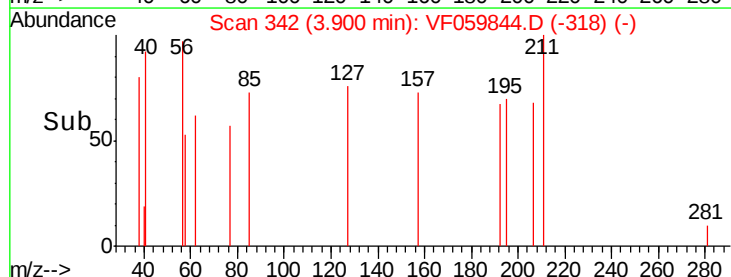
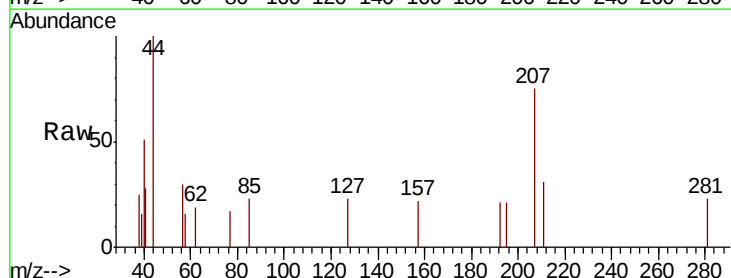
Tgt Ion: 56 Resp: 200

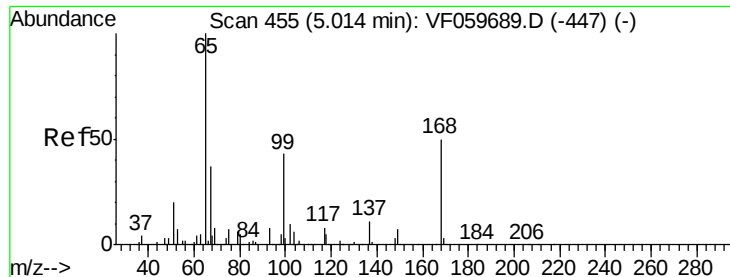
Ion Ratio Lower Upper

56 100

69 0.0 23.7 35.5#

84 0.0 71.1 106.7#

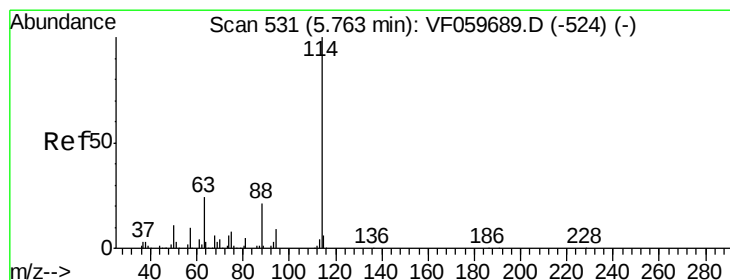
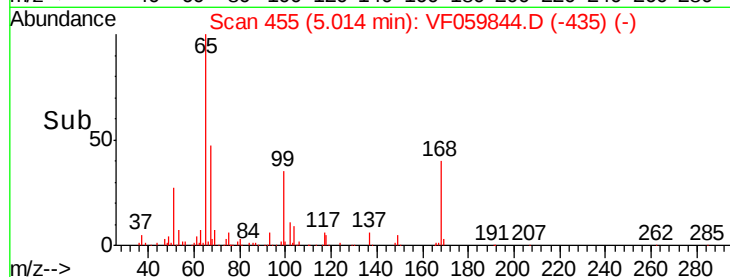
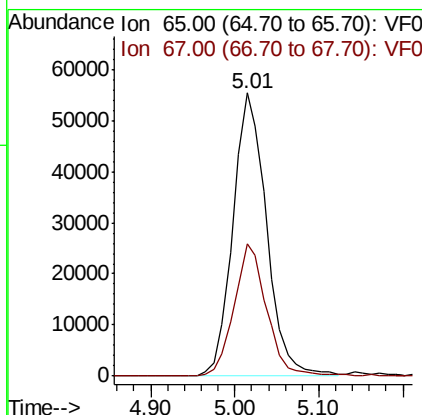
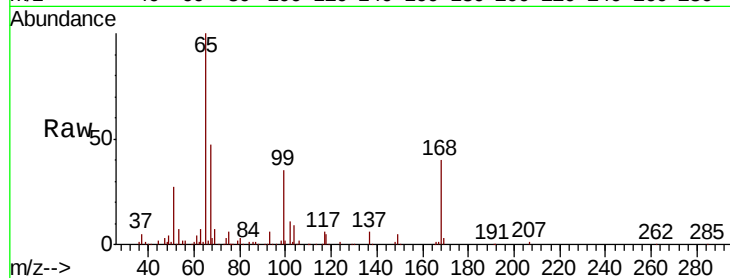




#33
 1,2-Dichloroethane-d4
 Concen: 56.03 ug/l
 RT: 5.01 min Scan# 455
 Delta R.T. 0.00 min
 Lab File: VF059844.D
 Acq: 3 Aug 2018 17:44

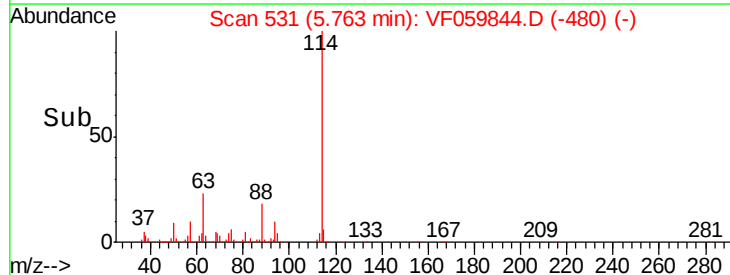
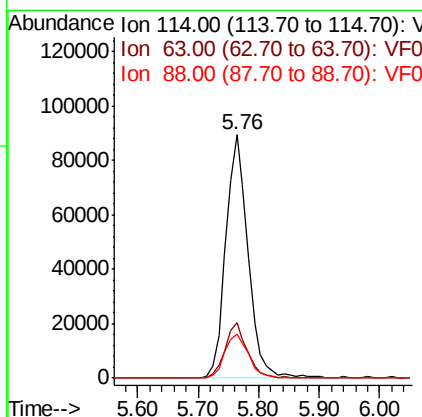
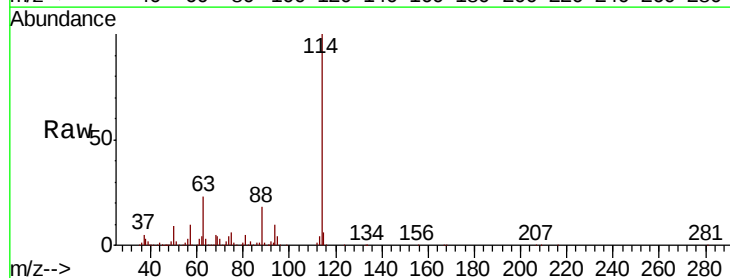
Instrument :
 MSVOA_F
 ClientSampleId :
 TS-LINER-RO-135

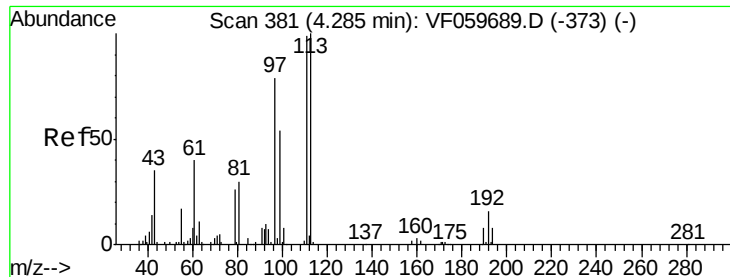
Tot Ion: 65 Resp: 153992
 Ion Ratio Lower Upper
 65 100
 67 46.6 0.0 84.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.76 min Scan# 531
 Delta R.T. 0.00 min
 Lab File: VF059844.D
 Acq: 3 Aug 2018 17:44

Tgt Ion: 114 Resp: 228632
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 47.4
 88 18.1 0.0 41.2

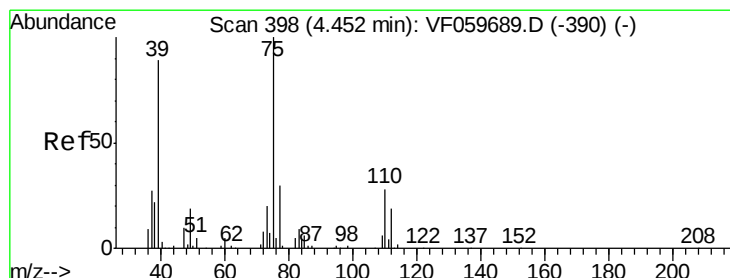
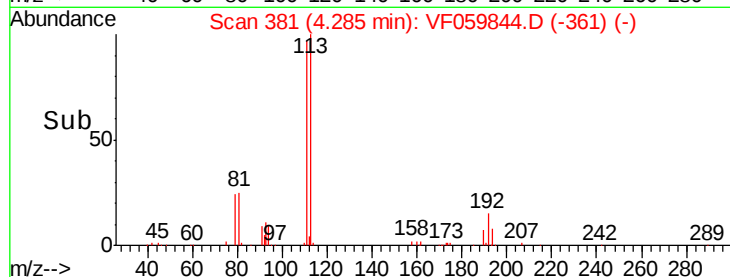
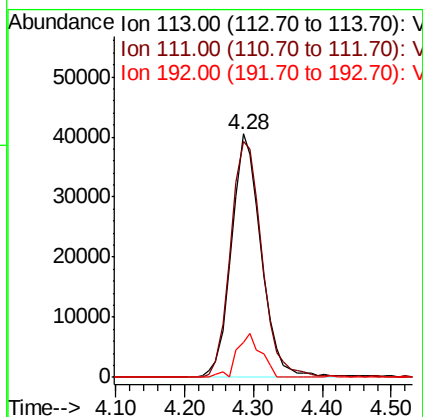
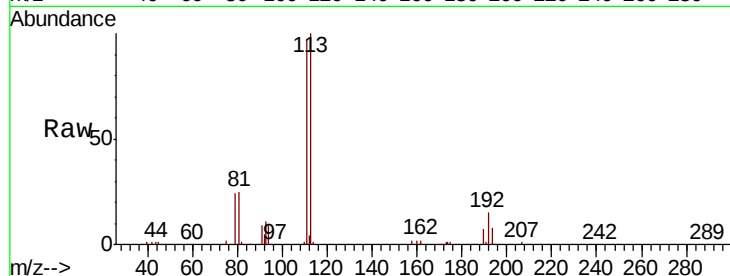




#35
 Dibromofluoromethane
 Concen: 50.90 ug/l
 RT: 4.28 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VF059844.D
 Acq: 3 Aug 2018 17:44

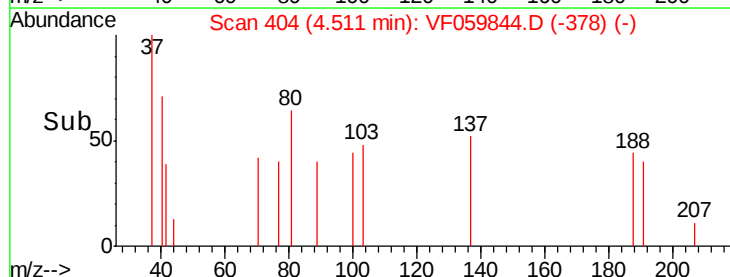
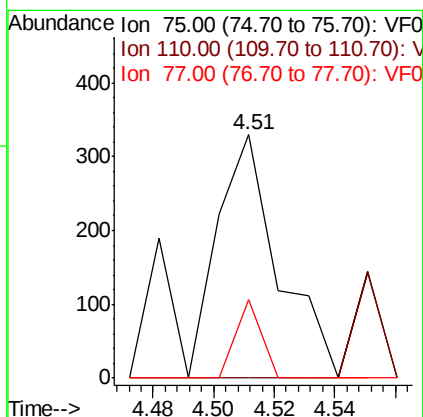
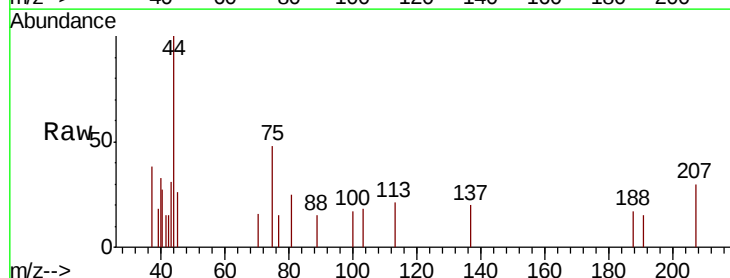
Instrument :
 MSVOA_F
 ClientSampleId :
 TS-LINER-RO-135

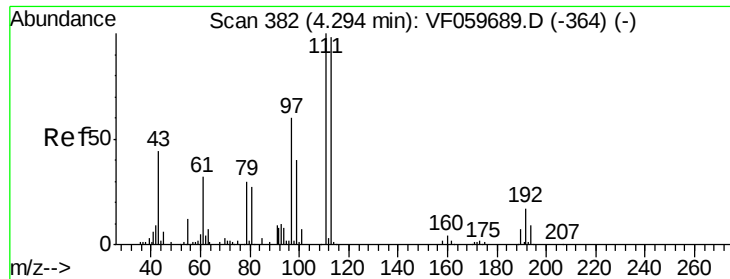
Tot Ion:113 Resp: 120878
 Ion Ratio Lower Upper
 113 100
 111 97.1 79.0 118.4
 192 14.6 13.2 19.8



#36
 1,1-Dichloropropene
 Concen: Below Cal
 RT: 4.51 min Scan# 404
 Delta R.T. 0.06 min
 Lab File: VF059844.D
 Acq: 3 Aug 2018 17:44

Tgt Ion: 75 Resp: 462
 Ion Ratio Lower Upper
 75 100
 110 0.0 14.0 41.9#
 77 32.1 24.2 36.2

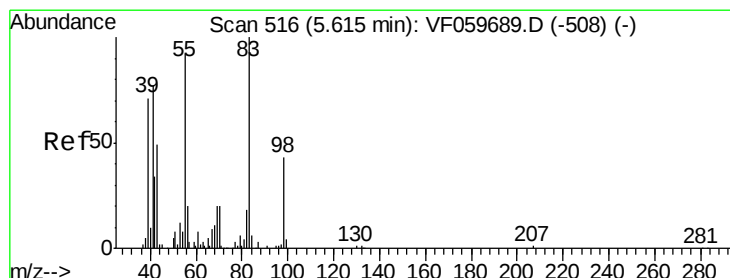
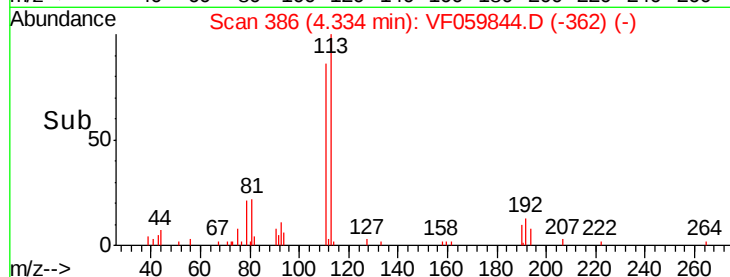
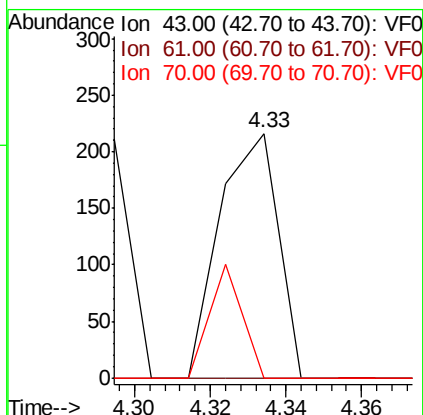
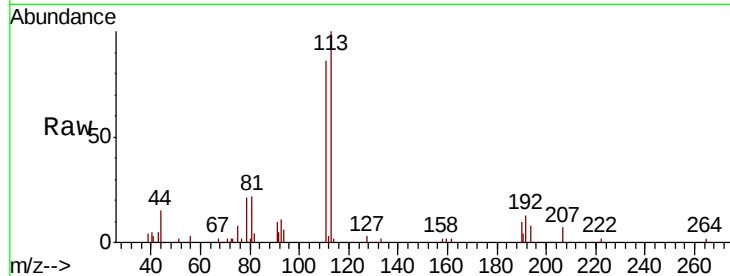




#37
Ethyl Acetate
Concen: Below Cal
RT: 4.33 min Scan# 386
Delta R.T. 0.04 min
Lab File: VF059844.D
Acq: 3 Aug 2018 17:44

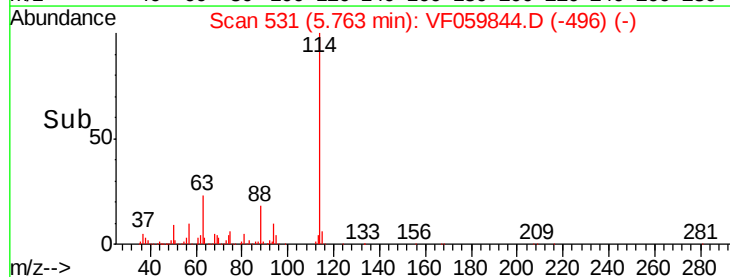
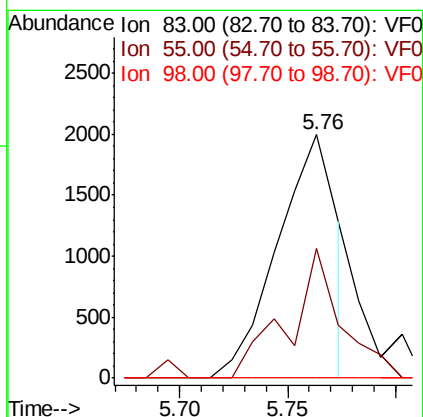
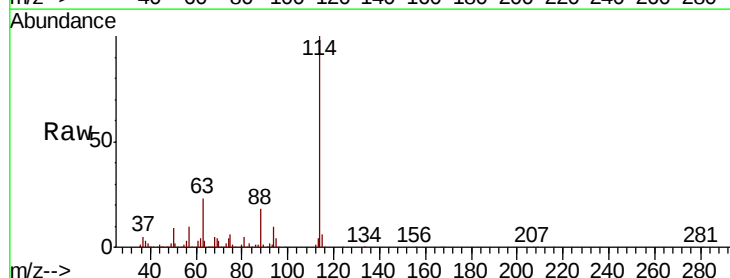
Instrument :
MSVOA_F
ClientSampleId :
TS-LINER-RO-135

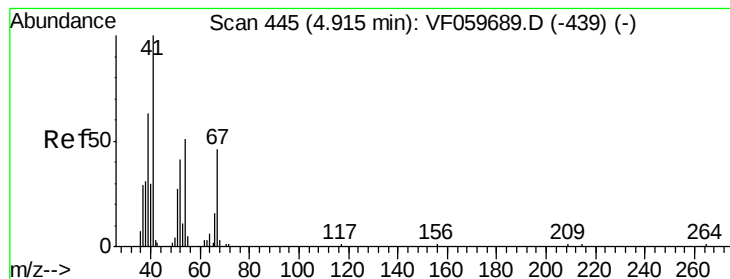
Tot Ion: 43 Resp: 230
Ion Ratio Lower Upper
43 100
61 0.0 58.2 87.2#
70 0.0 6.0 9.0#



#39
Methylcyclohexane
Concen: Below Cal
RT: 5.76 min Scan# 531
Delta R.T. 0.15 min
Lab File: VF059844.D
Acq: 3 Aug 2018 17:44

Tgt Ion: 83 Resp: 3809
Ion Ratio Lower Upper
83 100
55 53.3 73.4 110.2#
98 0.0 34.2 51.4#





#41

Methacrylonitrile

Concen: Below Cal

RT: 4.91 min Scan# 444

Delta R.T. -0.01 min

Lab File: VF059844.D

Acq: 3 Aug 2018 17:44

Instrument :

MSVOA_F

ClientSampleId :

TS-LINER-RO-135

Tot Ion: 41 Resp: 59

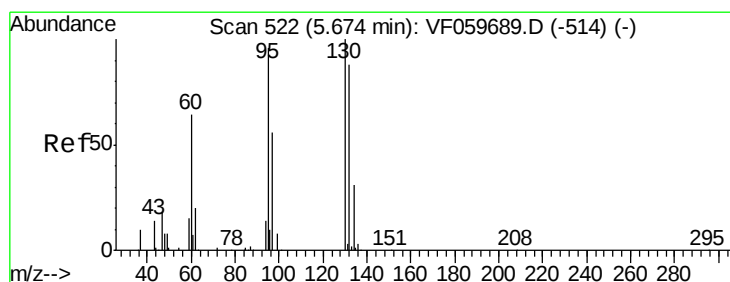
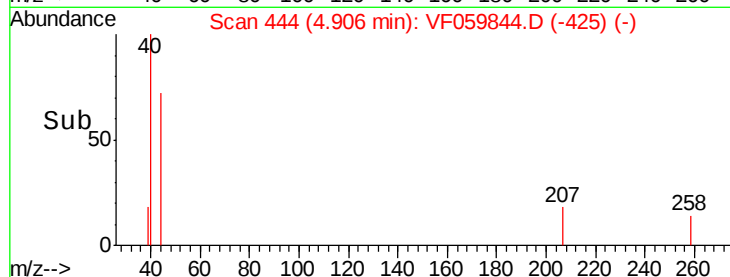
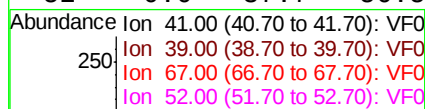
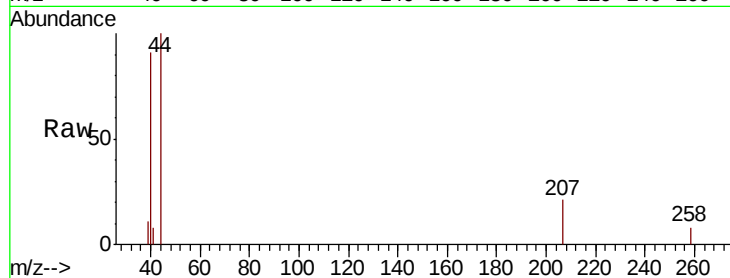
Ion Ratio Lower Upper

41 100

39 134.0 55.2 82.8#

67 0.0 36.2 54.2#

52 0.0 37.7 56.5#



#44

Trichloroethene

Concen: Below Cal

RT: 5.70 min Scan# 525

Delta R.T. 0.03 min

Lab File: VF059844.D

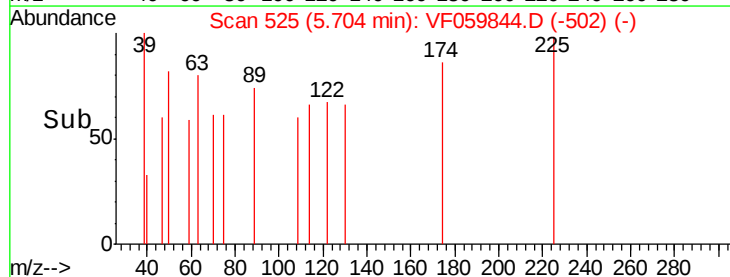
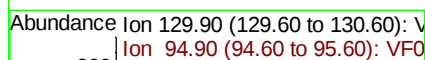
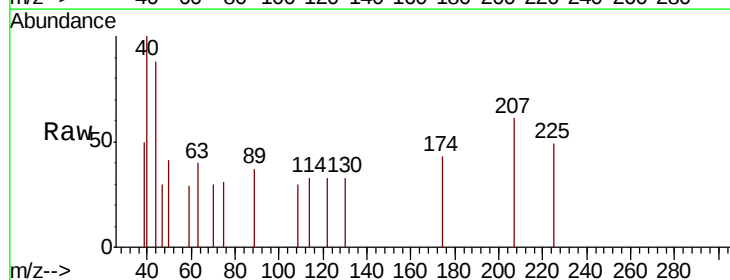
Acq: 3 Aug 2018 17:44

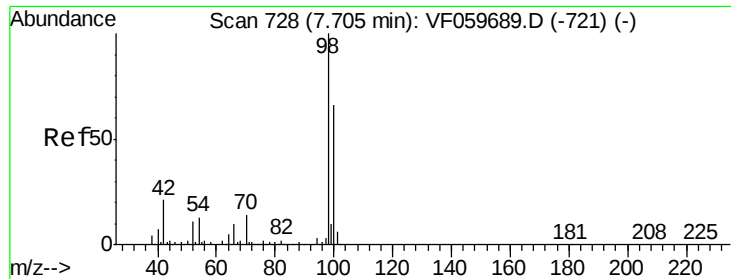
Tgt Ion: 130 Resp: 69

Ion Ratio Lower Upper

130 100

95 0.0 0.0 191.0





#50

Toluene-d8

Concen: 17.91 ug/l

RT: 7.71 min Scan# 728

Delta R.T. 0.00 min

Lab File: VF059844.D

Acq: 3 Aug 2018 17:44

Instrument :

MSVOA_F

ClientSampleId :

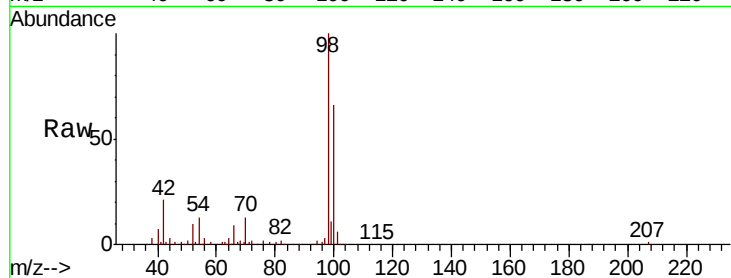
TS-LINER-RO-135

Tot Ion: 98 Resp: 99187

Ion Ratio Lower Upper

98 100

100 66.3 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

7.71

40000

30000

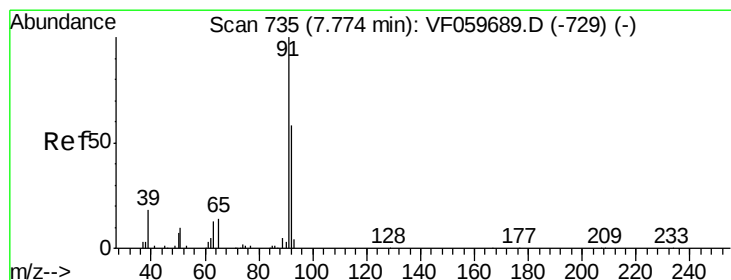
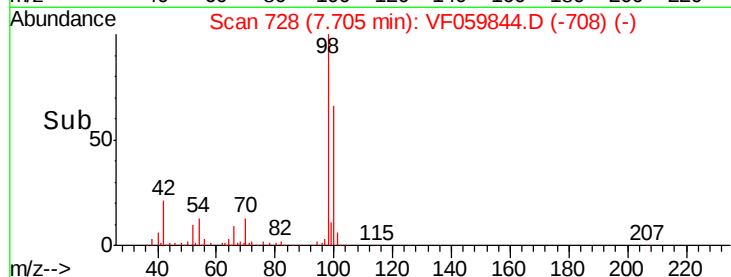
20000

10000

0

Time-->

7.60 7.70 7.80 7.90



#52

Toluene

Concen: Below Cal

RT: 7.75 min Scan# 733

Delta R.T. -0.02 min

Lab File: VF059844.D

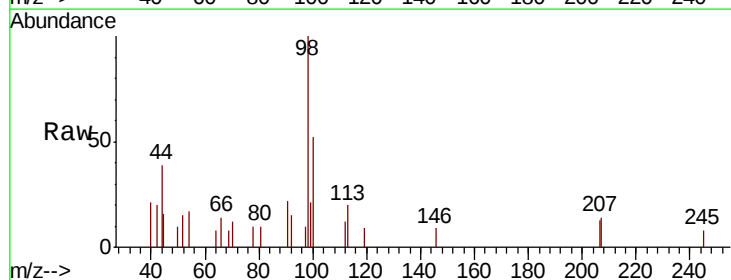
Acq: 3 Aug 2018 17:44

Tgt Ion: 92 Resp: 115

Ion Ratio Lower Upper

92 100

91 150.8 139.0 208.4



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

300

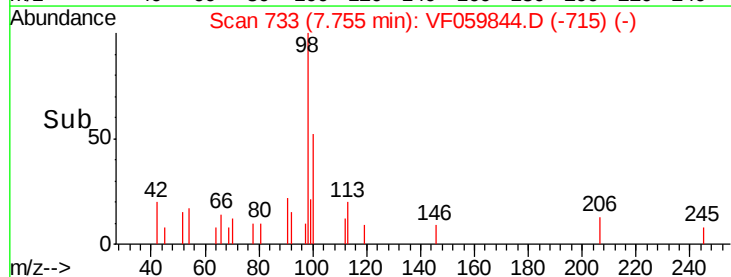
200

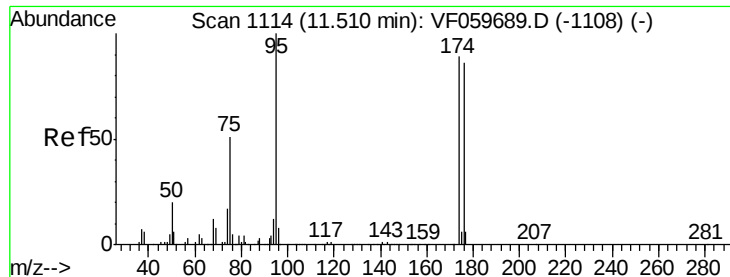
100

0

Time-->

7.74 7.76





#62

4-Bromofluorobenzene

Concen: 8.71 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VF059844.D

Acq: 3 Aug 2018 17:44

Instrument :

MSVOA_F

ClientSampleId :

TS-LINER-RO-135

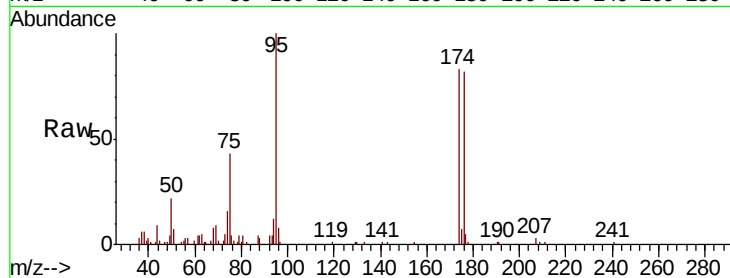
Tot Ion: 95 Resp: 26705

Ion Ratio Lower Upper

95 100

174 83.2 0.0 178.4

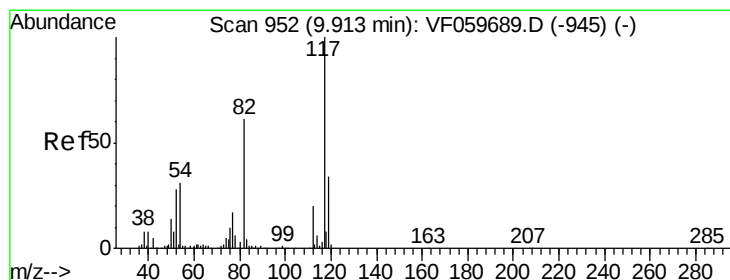
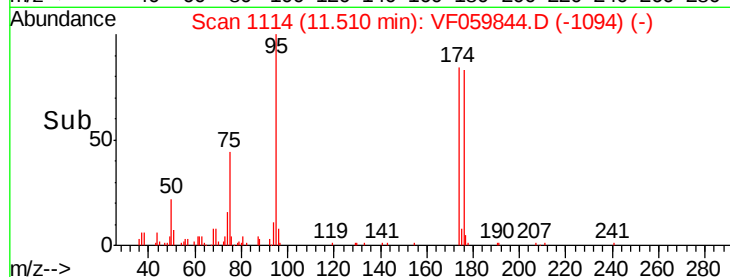
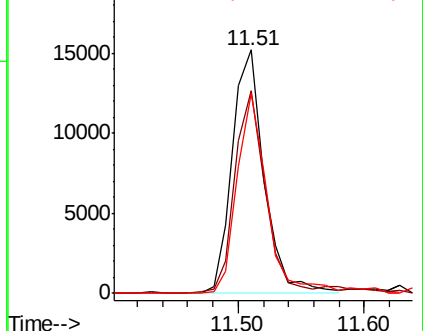
176 82.2 0.0 173.0



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: 50.00 ug/l

RT: 9.91 min Scan# 952

Delta R.T. 0.00 min

Lab File: VF059844.D

Acq: 3 Aug 2018 17:44

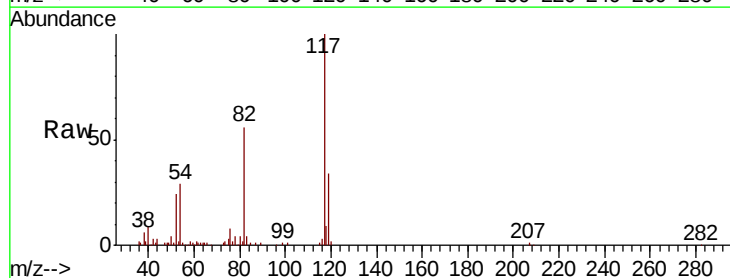
Tgt Ion: 117 Resp: 82397

Ion Ratio Lower Upper

117 100

82 55.9 49.0 73.4

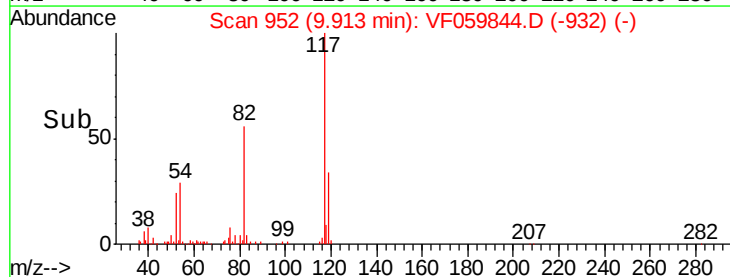
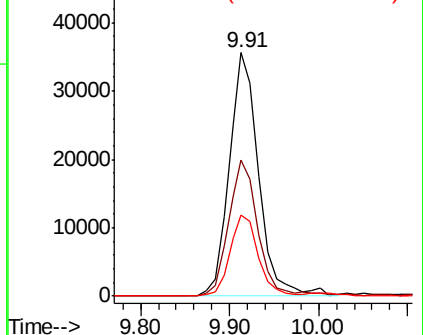
119 33.6 27.3 40.9

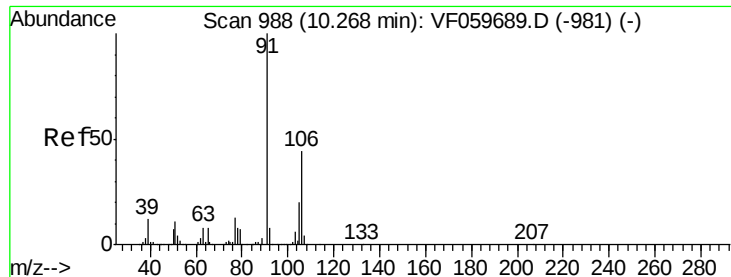


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V

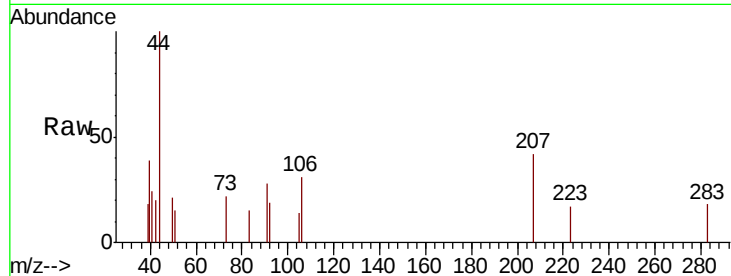




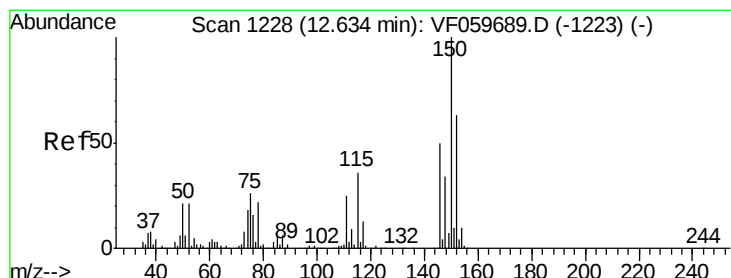
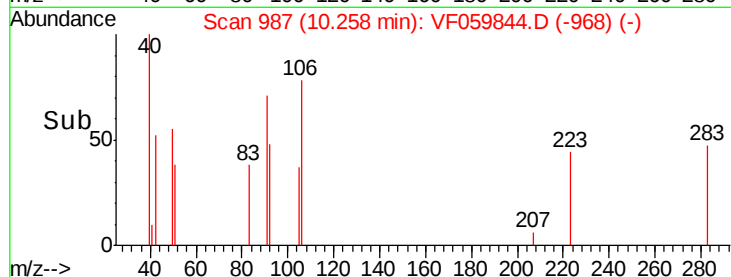
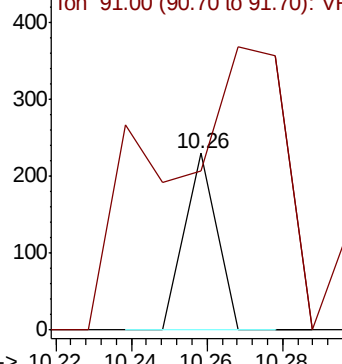
#68
m/p-Xvlenes
Concen: Below Cal
RT: 10.26 min Scan# 987
Delta R.T. -0.01 min
Lab File: VF059844.D
Acq: 3 Aug 2018 17:44

Instrument :
MSVOA_F
ClientSampleId :
TS-LINER-RO-135

Tot Ion:106 Resp: 136
Ion Ratio Lower Upper
106 100
91 90.4 181.7 272.5#

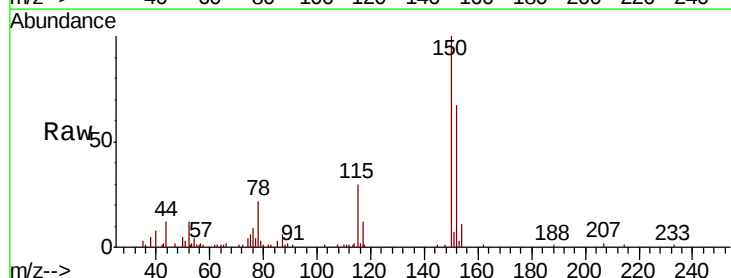


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

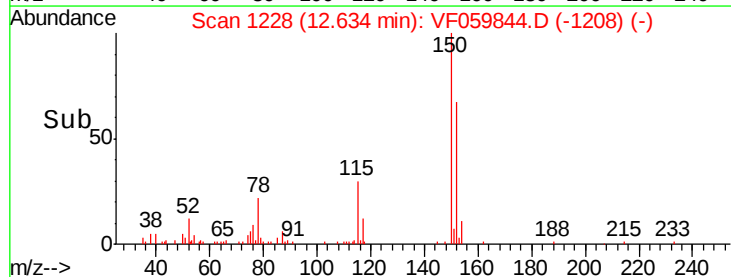
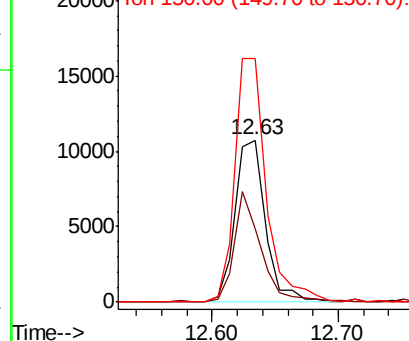


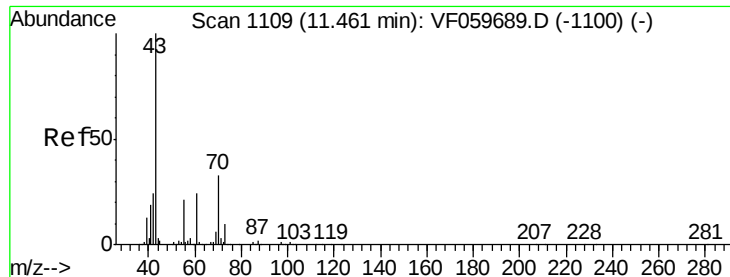
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.63 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VF059844.D
Acq: 3 Aug 2018 17:44

Tgt Ion:152 Resp: 17815
Ion Ratio Lower Upper
152 100
115 45.1 28.2 84.6
150 150.1 0.0 316.2



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#74

N-amvl acetate

Concen: 1.06 ug/l

RT: 11.44 min Scan# 1107

Delta R.T. -0.02 min

Lab File: VF059844.D

Acq: 3 Aug 2018 17:44

Instrument :

MSVOA_F

ClientSampleId :

TS-LINER-RO-135

Tot Ion: 43 Resp: 313

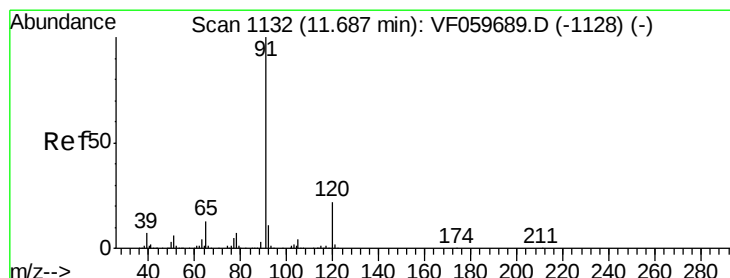
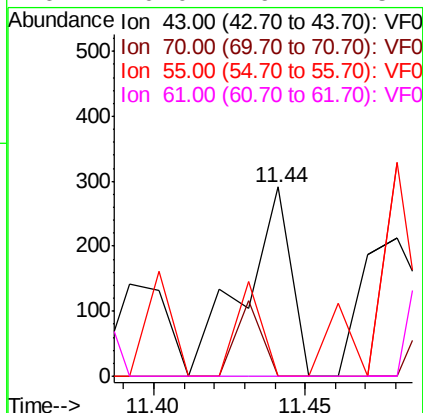
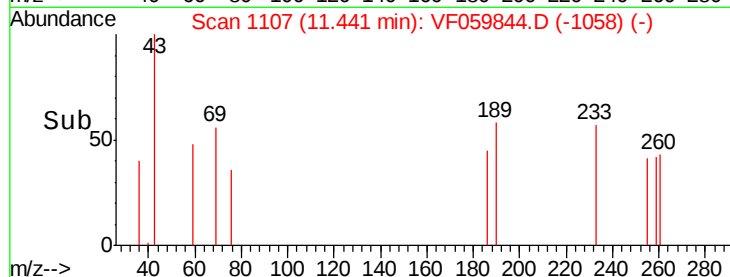
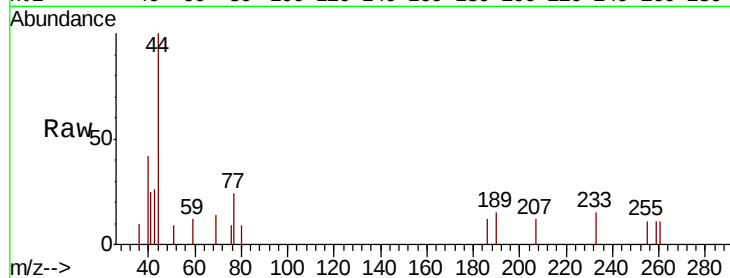
Ion Ratio Lower Upper

43 100

70 0.0 26.3 39.5#

55 0.0 16.6 25.0#

61 0.0 19.1 28.7#



#78

n-propylbenzene

Concen: Below Cal

RT: 11.69 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VF059844.D

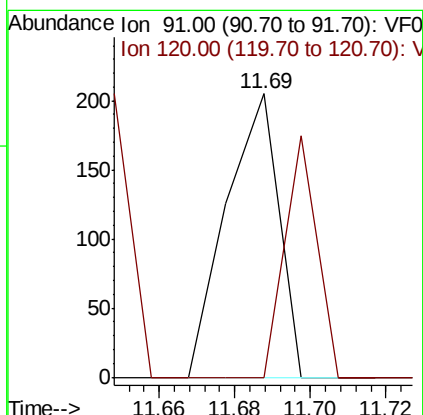
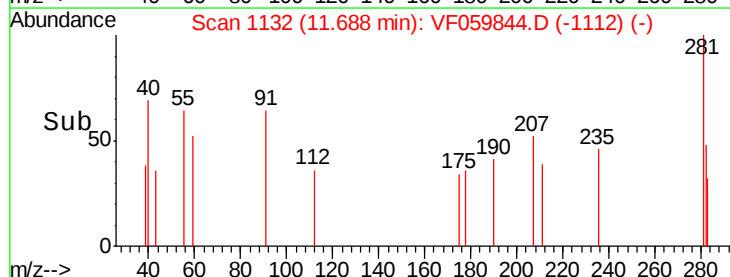
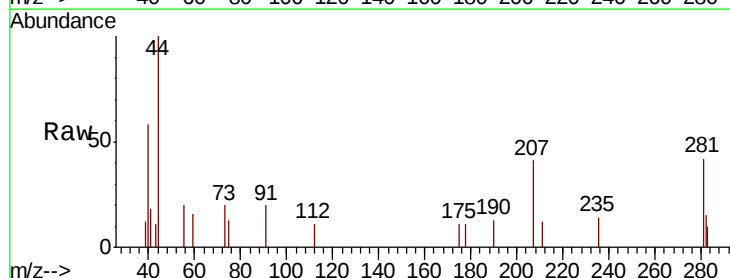
Acq: 3 Aug 2018 17:44

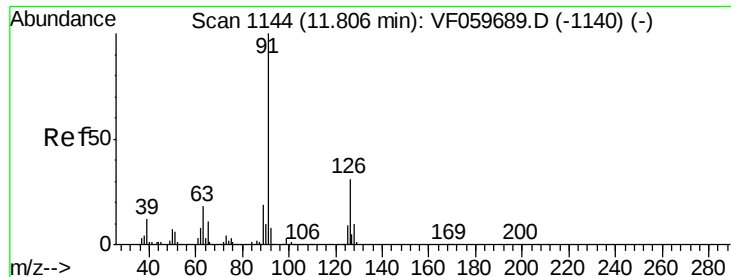
Tgt Ion: 91 Resp: 196

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: VF059844.D

Acq: 3 Aug 2018 17:44

Instrument :

MSVOA_F

ClientSampleId :

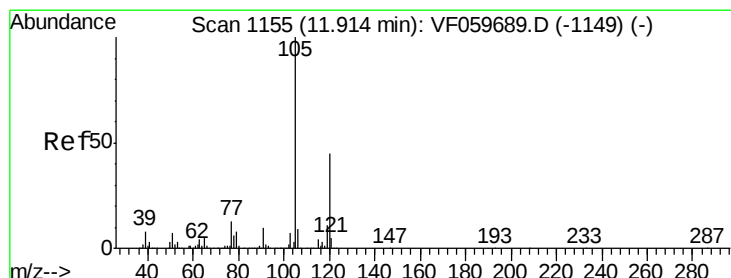
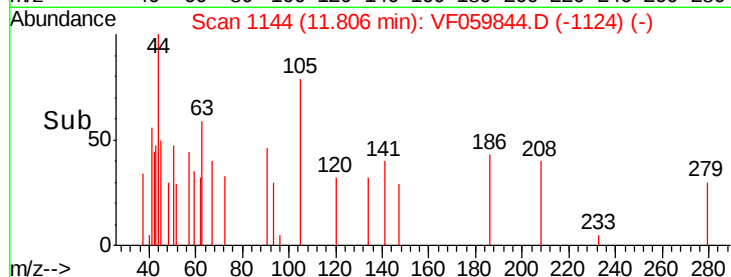
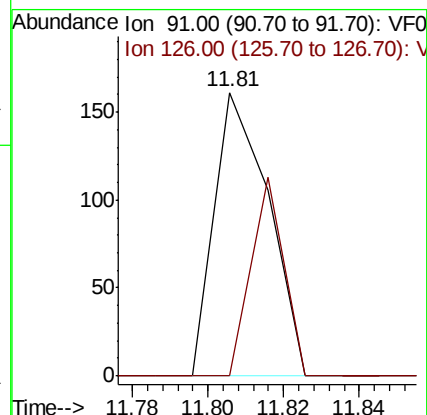
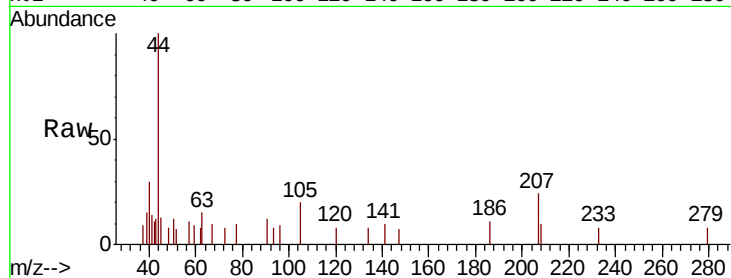
TS-LINER-RO-135

Tot Ion: 91 Resp: 158

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: VF059844.D

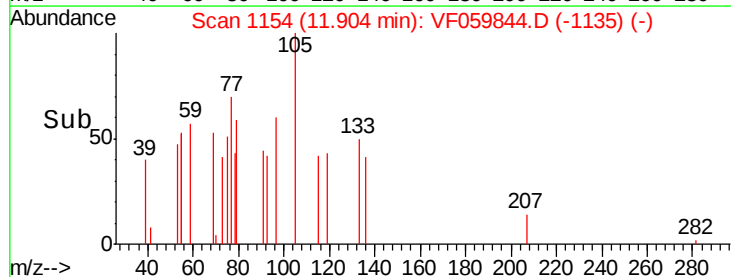
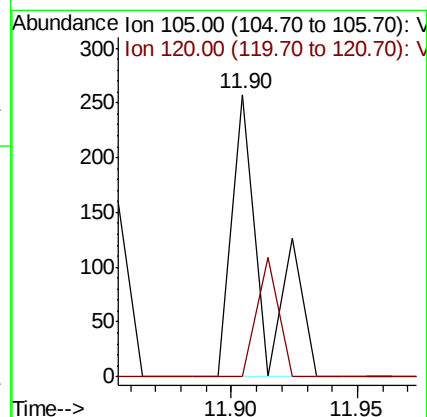
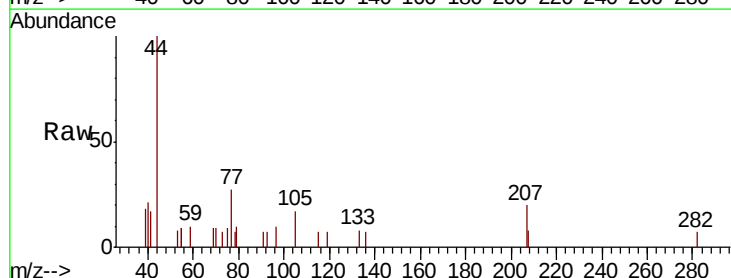
Acq: 3 Aug 2018 17:44

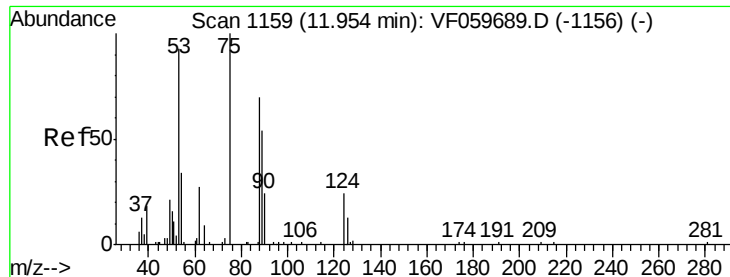
Tgt Ion:105 Resp: 227

Ion Ratio Lower Upper

105 100

120 0.0 22.7 68.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 1.54 ug/l

RT: 11.97 min Scan# 1161

Delta R.T. 0.02 min

Lab File: VF059844.D

Acq: 3 Aug 2018 17:44

Instrument :

MSVOA_F

ClientSampleId :

TS-LINER-RO-135

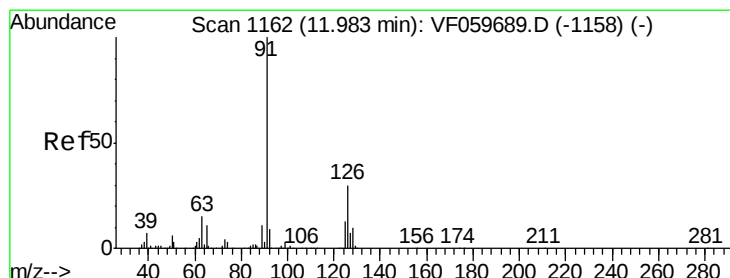
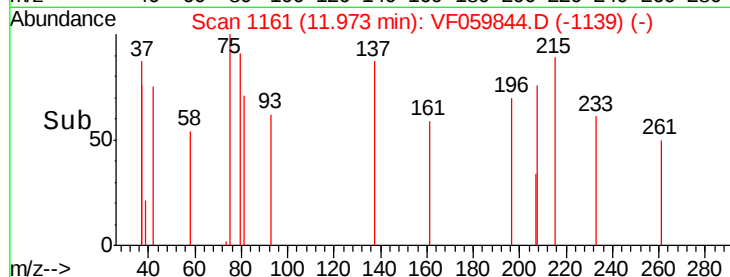
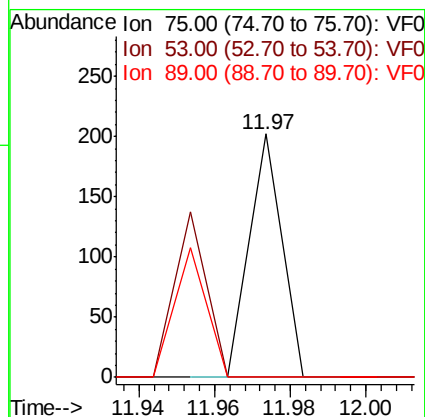
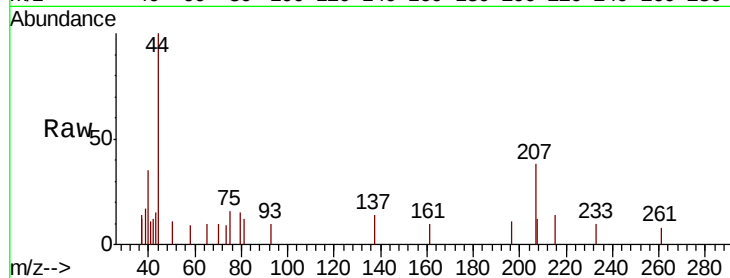
Tot Ion: 75 Resp: 119

Ion Ratio Lower Upper

75 100

53 0.0 78.3 117.5#

89 0.0 45.4 68.2#



#82

4-Chlorotoluene

Concen: Below Cal

RT: 11.99 min Scan# 1163

Delta R.T. 0.01 min

Lab File: VF059844.D

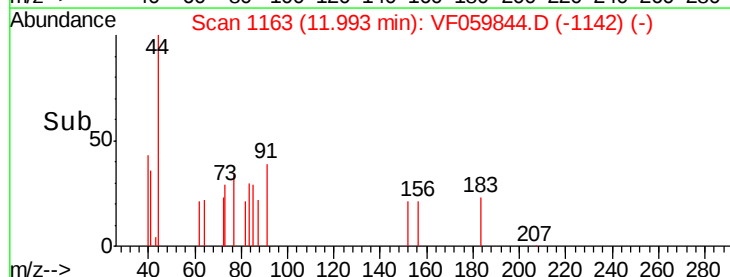
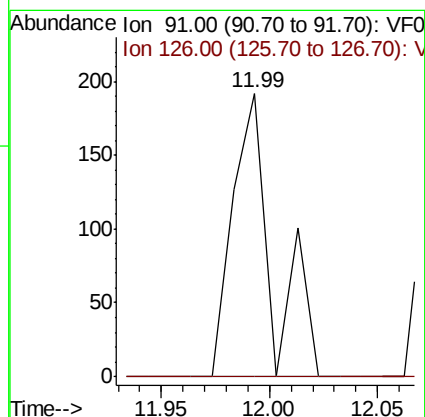
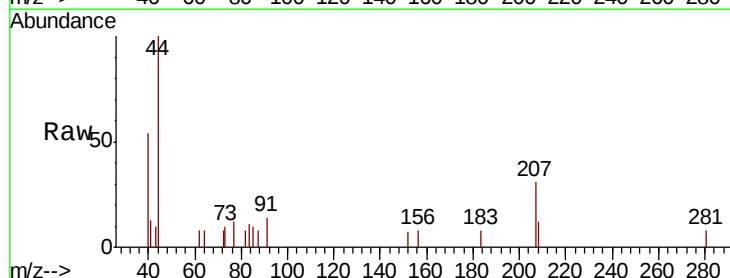
Acq: 3 Aug 2018 17:44

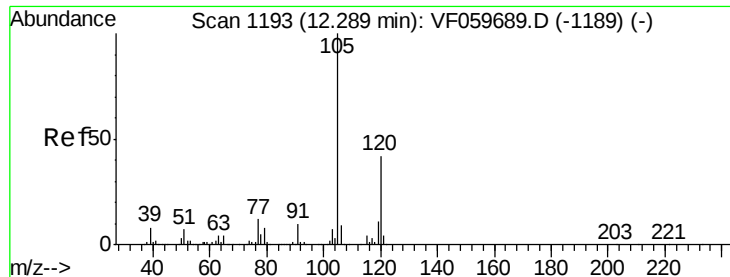
Tgt Ion: 91 Resp: 248

Ion Ratio Lower Upper

91 100

126 0.0 15.2 45.6#

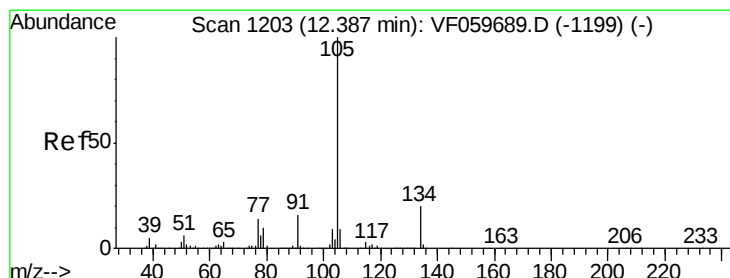
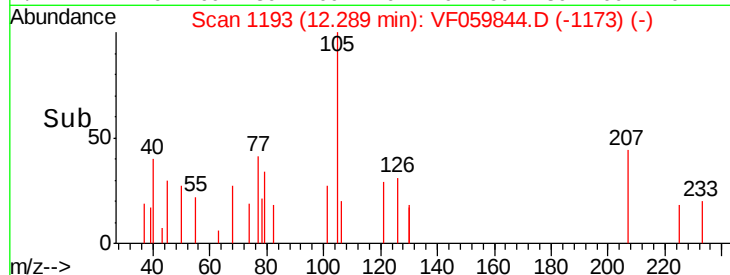
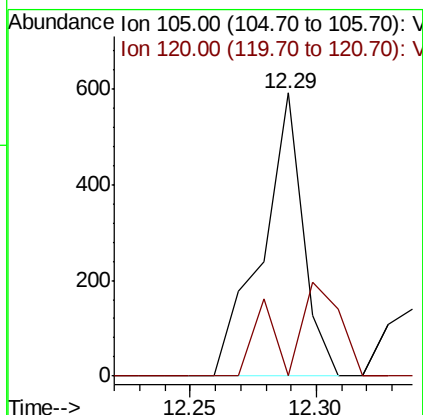
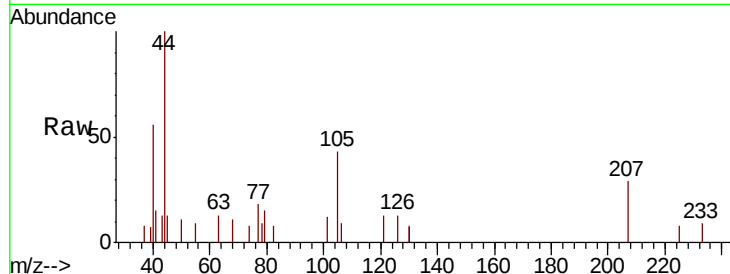




#84
 1,2,4-Trimethylbenzene
 Concen: Below Cal
 RT: 12.29 min Scan# 1193
 Delta R.T. 0.00 min
 Lab File: VF059844.D
 Acq: 3 Aug 2018 17:44

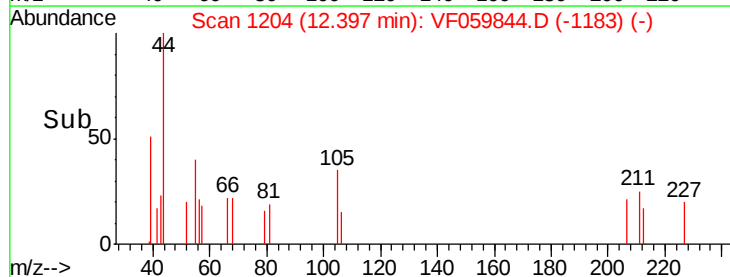
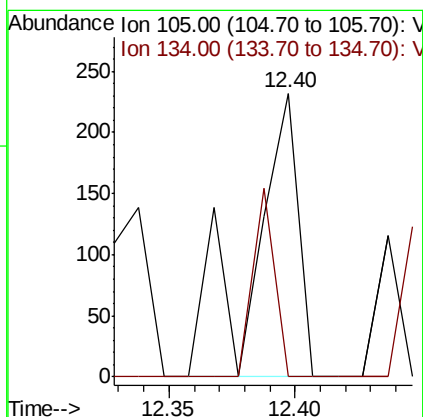
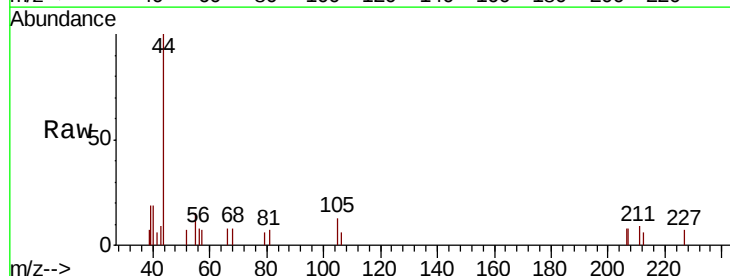
Instrument :
 MSVOA_F
 ClientSampleId :
 TS-LINER-RO-135

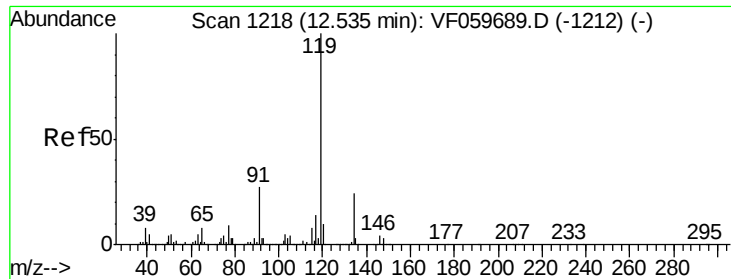
Tot Ion:105 Resp: 671
 Ion Ratio Lower Upper
 105 100
 120 0.0 21.1 63.3#



#85
 sec-Butylbenzene
 Concen: Below Cal
 RT: 12.40 min Scan# 1204
 Delta R.T. 0.01 min
 Lab File: VF059844.D
 Acq: 3 Aug 2018 17:44

Tgt Ion:105 Resp: 297
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.8 29.3#

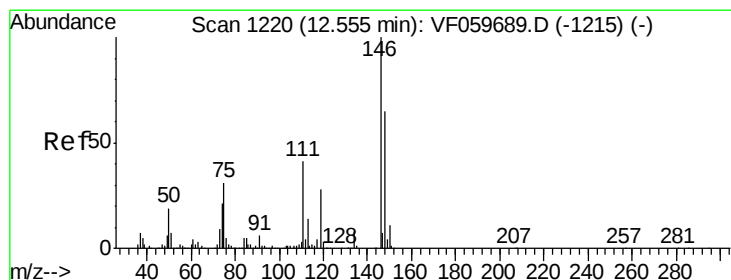
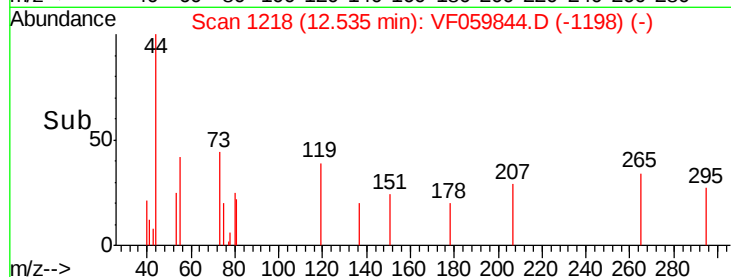
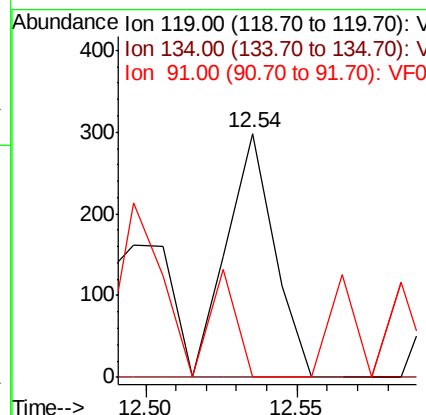
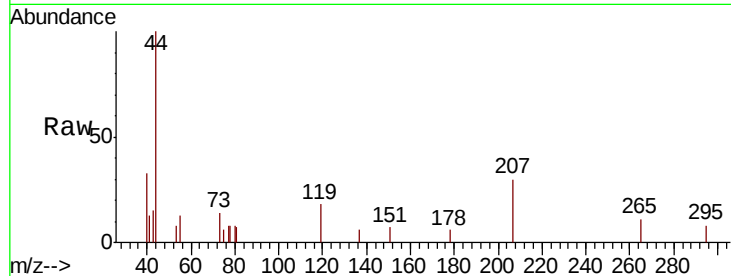




#86
 p-Isopropyltoluene
 Concen: Below Cal
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VF059844.D
 Acq: 3 Aug 2018 17:44

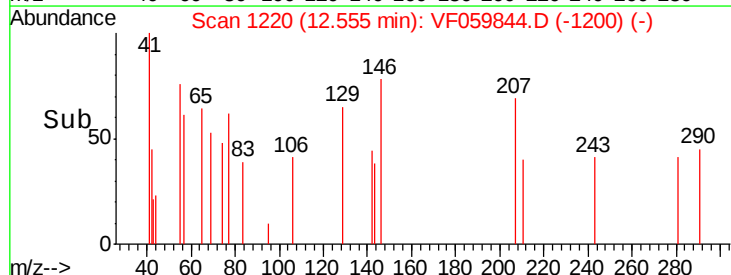
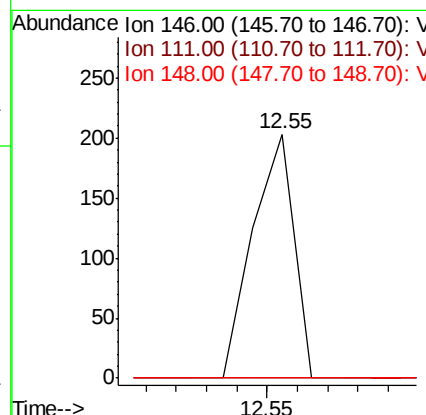
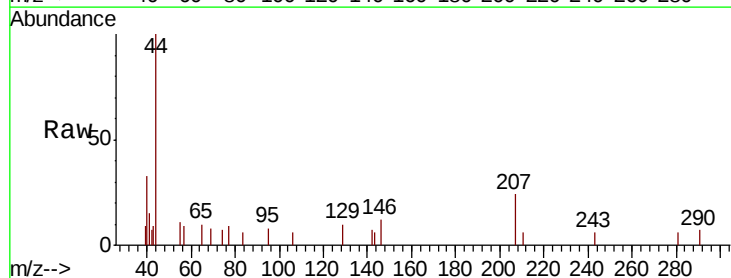
Instrument :
 MSVOA_F
 ClientSampleId :
 TS-LINER-RO-135

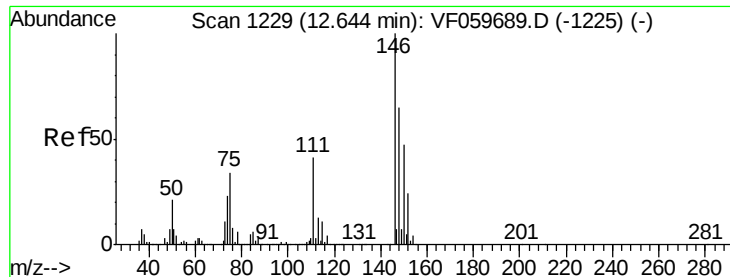
Tot Ion	Ratio	Lower	Upper
119	100		
134	0.0	12.2	36.6#
91	0.0	13.4	40.2#



#87
 1,3-Dichlorobenzene
 Concen: Below Cal
 RT: 12.55 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VF059844.D
 Acq: 3 Aug 2018 17:44

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: Below Cal

RT: 12.65 min Scan# 1230

Delta R.T. 0.01 min

Lab File: VF059844.D

Acq: 3 Aug 2018 17:44

Instrument :

MSVOA_F

ClientSampleId :

TS-LINER-RO-135

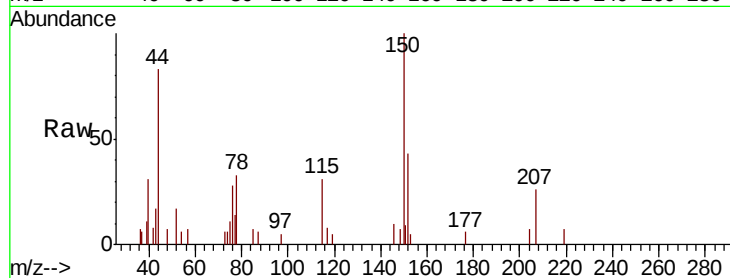
Tot Ion:146 Resp: 201

Ion Ratio Lower Upper

146 100

111 0.0 20.8 62.2#

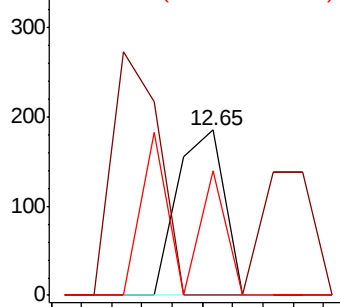
148 75.7 32.3 96.9



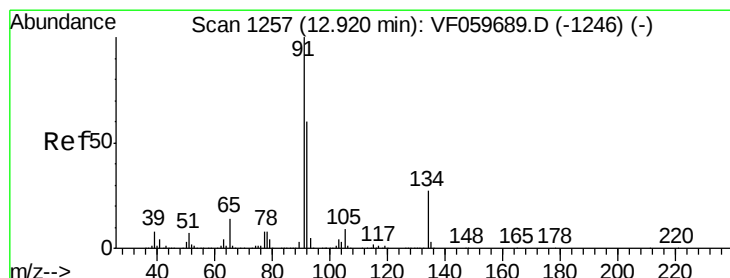
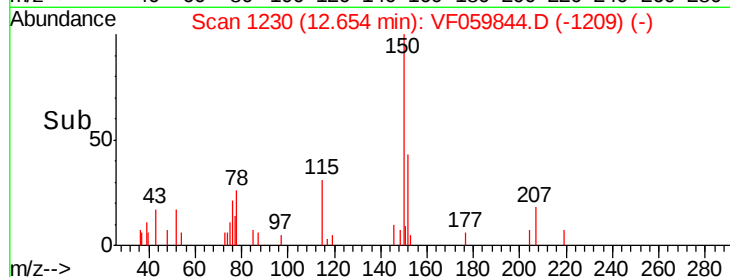
Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



Time--> 12.60



#89

n-Butylbenzene

Concen: Below Cal

RT: 12.91 min Scan# 1256

Delta R.T. -0.01 min

Lab File: VF059844.D

Acq: 3 Aug 2018 17:44

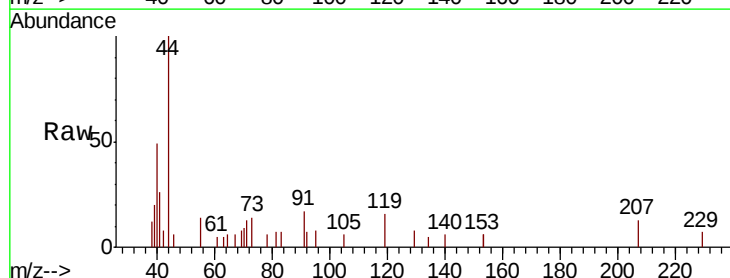
Tgt Ion: 91 Resp: 363

Ion Ratio Lower Upper

91 100

92 40.8 30.1 90.3

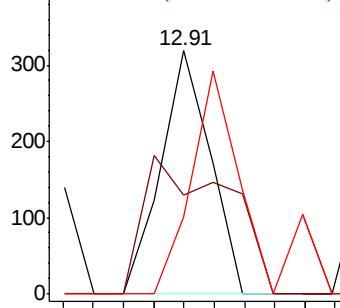
134 31.7 13.7 41.0



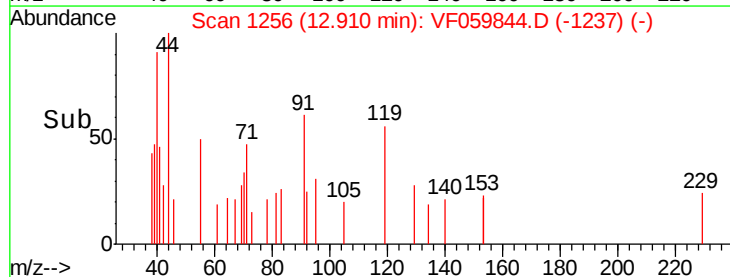
Abundance Ion 91.00 (90.70 to 91.70): VF0

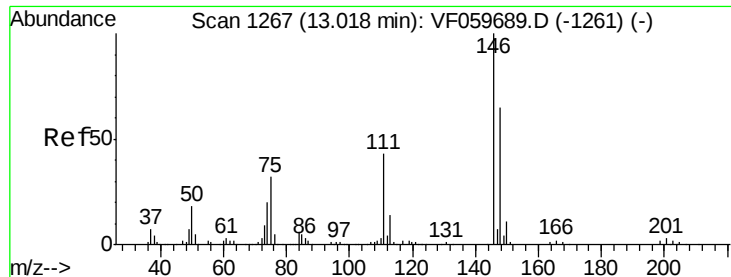
Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



Time--> 12.90

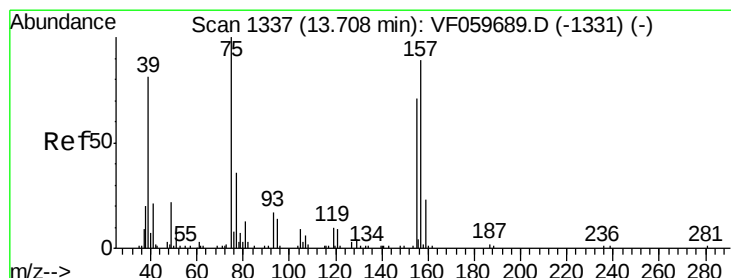
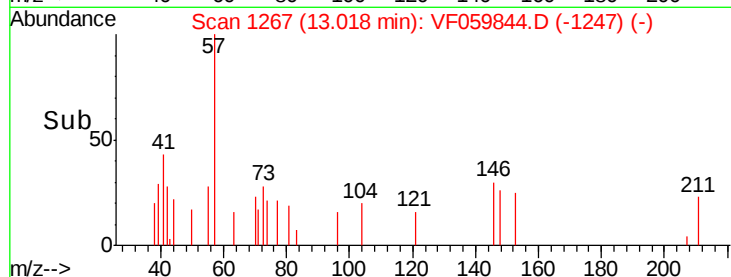
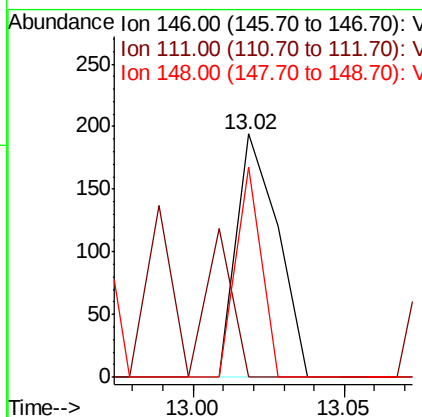
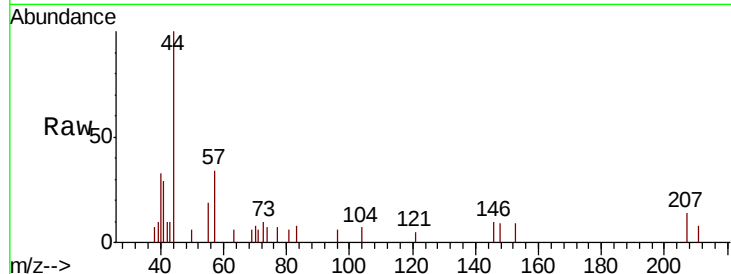




#91
 1,2-Dichlorobenzene
 Concen: Below Cal
 RT: 13.02 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VF059844.D
 Acq: 3 Aug 2018 17:44

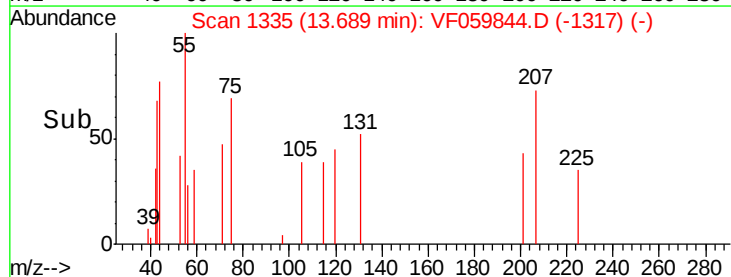
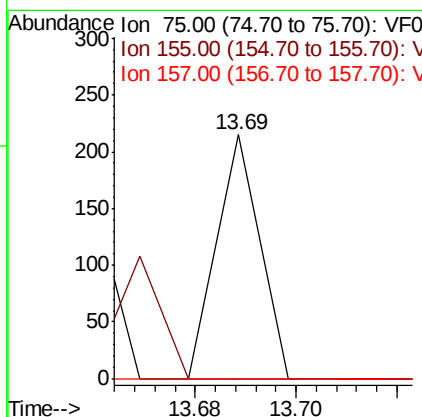
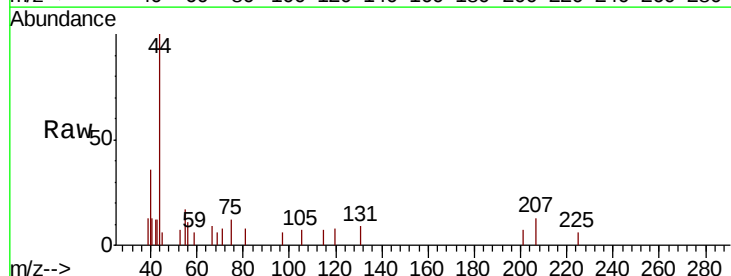
Instrument :
 MSVOA_F
 ClientSampleId :
 TS-LINER-RO-135

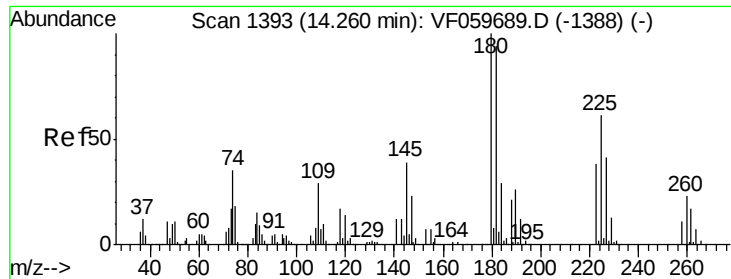
Tot Ion:146 Resp: 186
 Ion Ratio Lower Upper
 146 100
 111 0.0 21.6 65.0#
 148 86.6 32.3 96.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.36 ug/l
 RT: 13.69 min Scan# 1335
 Delta R.T. -0.02 min
 Lab File: VF059844.D
 Acq: 3 Aug 2018 17:44

Tgt Ion: 75 Resp: 127
 Ion Ratio Lower Upper
 75 100
 155 0.0 35.4 106.2#
 157 0.0 44.4 133.2#

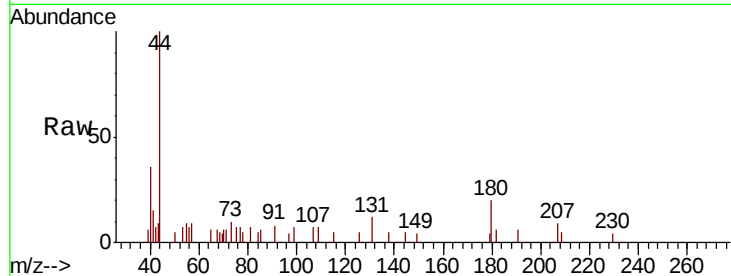




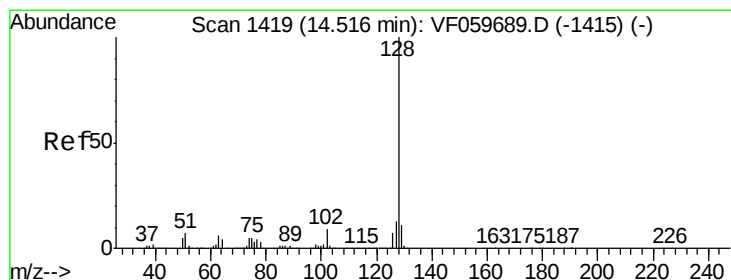
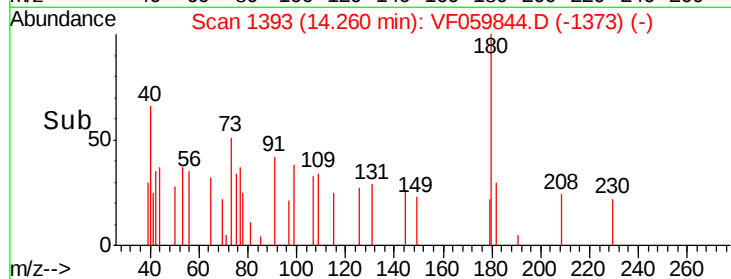
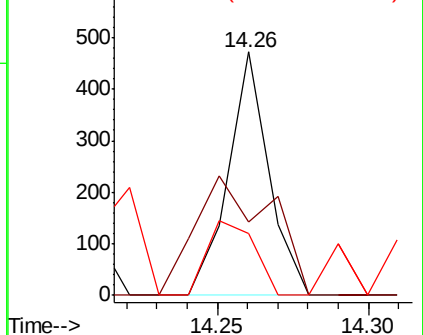
#93
 1,2,4-Trichlorobenzene
 Concen: Below Cal
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059844.D
 Acq: 3 Aug 2018 17:44

Instrument :
 MSVOA_F
 ClientSampleId :
 TS-LINER-RO-135

Tot Ion:180 Resp: 441
 Ion Ratio Lower Upper
 180 100
 182 30.1 47.2 141.6#
 145 25.6 19.3 57.9

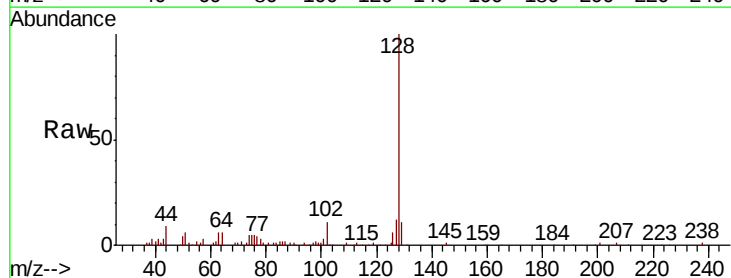


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V



#95
 Naphthalene
 Concen: 50.52 ug/l
 RT: 14.52 min Scan# 1419
 Delta R.T. 0.00 min
 Lab File: VF059844.D
 Acq: 3 Aug 2018 17:44

Tgt Ion:128 Resp: 38804
 Ion Ratio Lower Upper
 128 100
 127 12.2 10.0 15.0
 129 11.4 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

