

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF080118\
 Data File : VF059787.D
 Acq On : 2 Aug 2018 7:35
 Operator : VA/AP
 Sample : J4234-01
 Misc : 5.00g/5mL/MSVOA_F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 OILY-STONE-CONCRETE

Quant Time: Aug 02 08:39:04 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	5.05	168	218055	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.77	114	311879	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	305208	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	185931	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	182836	46.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.32%	
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	7.71	98	276169	36.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.12%	
62) 4-Bromofluorobenzene	11.51	95	151738	36.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	72.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	479	Below Cal	#	50
3) Chloromethane	1.09	50	850	Below Cal	#	38
4) Vinyl Chloride	1.19	62	61	Below Cal	#	47
5) Bromomethane	1.34	94	161	Below Cal	#	4
6) Chloroethane	1.41	64	144	Below Cal	#	19
8) Diethyl Ether	1.71	74	943	1.354	ug/l	95
10) Methyl Iodide	1.92	142	66	Below Cal	#	20
11) Tert butyl alcohol	2.68	59	154	Below Cal	#	74
13) Acrolein	2.17	56	361	20.146	ug/l	87
16) Acetone	2.34	43	10415	14.775	ug/l	98
17) Carbon Disulfide	1.86	76	67	Below Cal	#	1
18) Methyl Acetate	2.42	43	945	Below Cal	#	64
20) Methylene Chloride	2.27	84	8498	Below Cal	#	67
21) trans-1,2-Dichloroethene	2.44	96	201	Below Cal	#	1
28) Bromochloromethane	3.90	49	66	Below Cal	#	15
29) Tetrahydrofuran	4.26	42	394	1.303	ug/l	39
31) Cyclohexane	3.93	56	77	Below Cal	#	15
36) 1,1-Dichloropropene	4.44	75	303	Below Cal	#	46
37) Ethyl Acetate	4.34	43	150	Below Cal	#	19
39) Methylcyclohexane	5.76	83	6244	Below Cal	#	26
41) Methacrylonitrile	4.91	41	127	Below Cal	#	41
44) Trichloroethene	5.65	130	63	Below Cal	#	2
49) 1,4-Dioxane	6.67	88	161	Below Cal	#	21
52) Toluene	7.79	92	583	Below Cal	#	57
58) 2-Chloroethyl Vinyl ether	7.79	63	360	1.753	ug/l	100
64) Tetrachloroethene	8.31	164	95	Below Cal	#	52
68) m/p-Xylenes	10.27	106	238	Below Cal	#	65
78) n-propylbenzene	11.68	91	1077	Below Cal	#	91
79) 2-Chlorotoluene	11.82	91	507	Below Cal	#	44
80) 1,3,5-Trimethylbenzene	11.91	105	613	Below Cal	#	31
82) 4-Chlorotoluene	11.99	91	751	Below Cal	#	79
84) 1,2,4-Trimethylbenzene	12.29	105	1104	Below Cal	#	87
85) sec-Butylbenzene	12.38	105	693	Below Cal	#	57
86) p-Isopropyltoluene	12.54	119	737	Below Cal	#	62

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

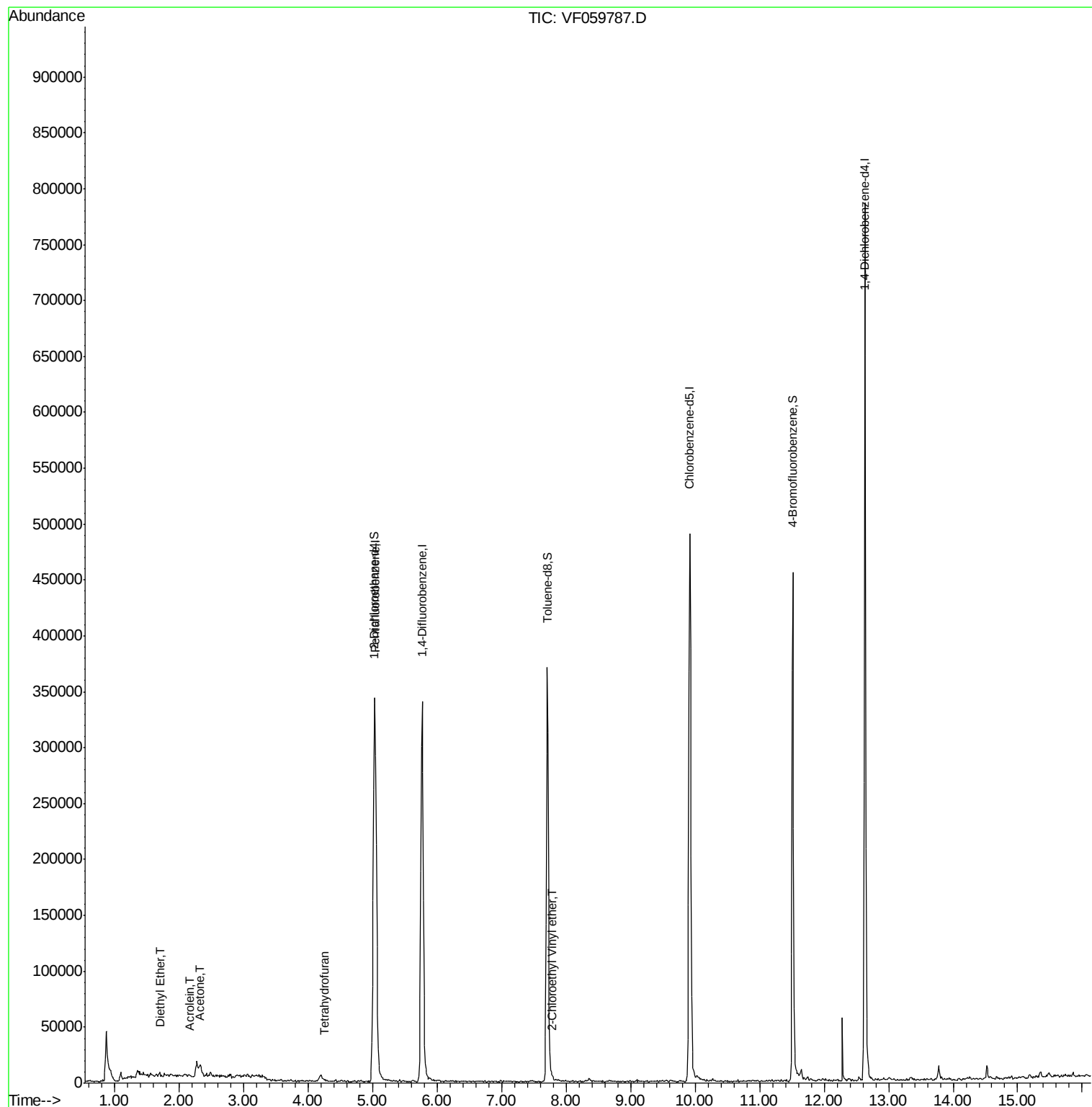
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
87) 1,3-Dichlorobenzene	12.56	146	496	Below Cal		78
88) 1,4-Dichlorobenzene	12.56	146	496	Below Cal		78
89) n-Butylbenzene	12.91	91	972	Below Cal	#	79
91) 1,2-Dichlorobenzene	13.02	146	493	Below Cal		71
93) 1,2,4-Trichlorobenzene	14.26	180	437	Below Cal		91

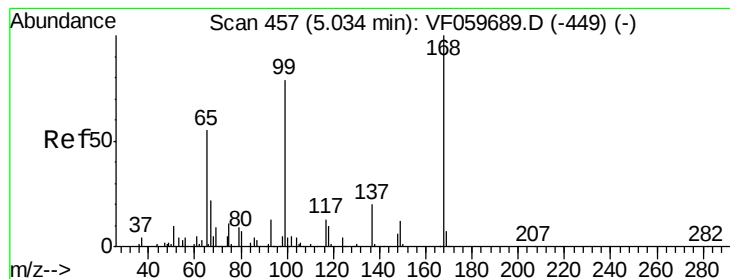
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 458

Delta R.T. 0.01 min

Lab File: VF059787.D

Acq: 2 Aug 2018 7:35

Instrument :

MSVOA_F

ClientSampleId :

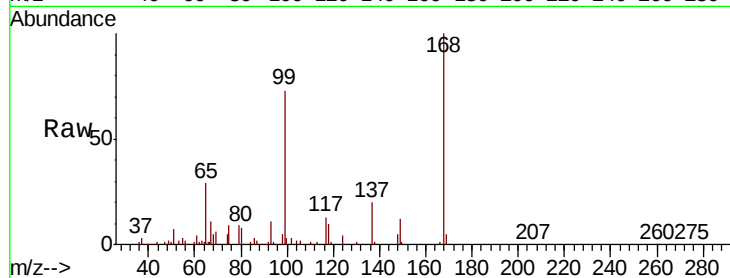
OILY-STONE-CONCRETE

Tgt Ion:168 Resp: 218055

Ion Ratio Lower Upper

168 100

99 73.1 63.3 94.9



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.05

80000

60000

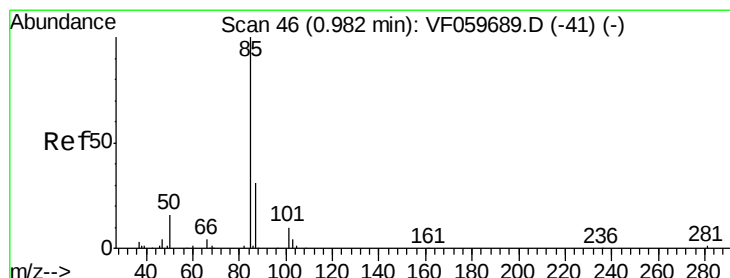
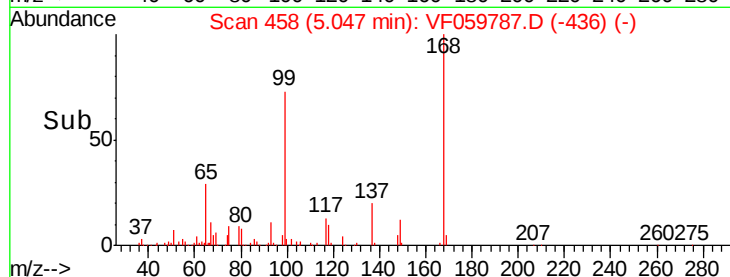
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 0.98 min Scan# 45

Delta R.T. -0.01 min

Lab File: VF059787.D

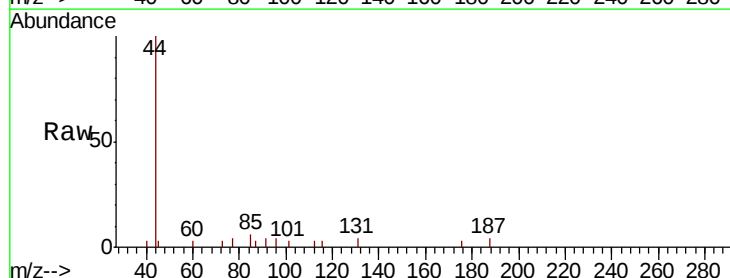
Acq: 2 Aug 2018 7:35

Tgt Ion: 85 Resp: 479

Ion Ratio Lower Upper

85 100

87 58.0 15.3 45.8#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.98

200

150

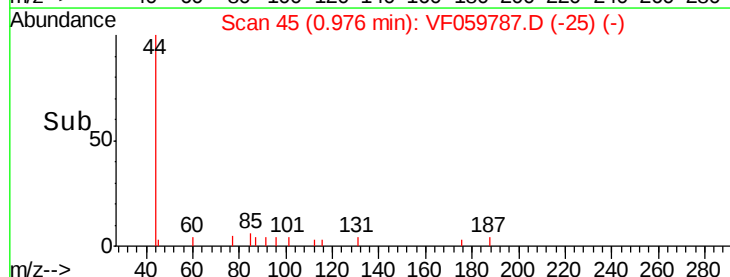
100

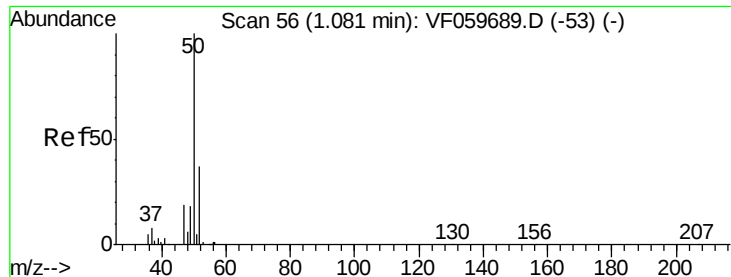
50

0

Time-->

0.95 1.00 1.05





#3

Chloromethane

Concen: Below Cal

RT: 1.09 min Scan# 57

Delta R.T. 0.01 min

Lab File: VF059787.D

Acq: 2 Aug 2018 7:35

Instrument :

MSVOA_F

ClientSampleId :

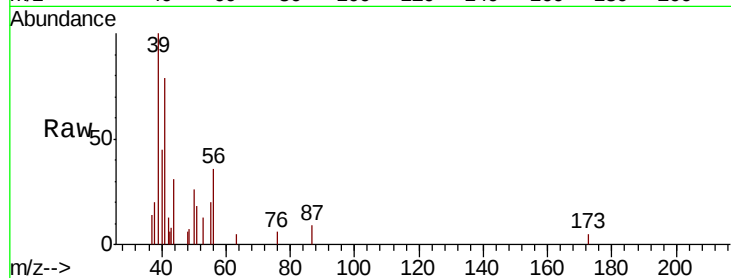
OILY-STONE-CONCRETE

Tgt Ion: 50 Resp: 850

Ion Ratio Lower Upper

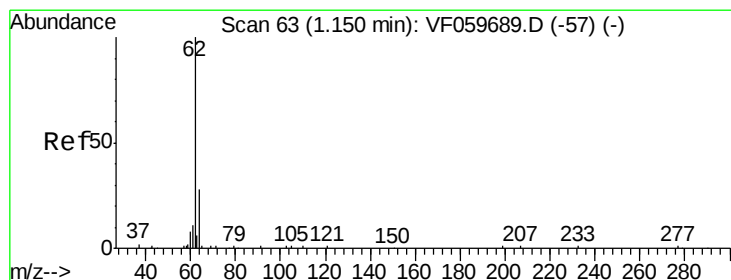
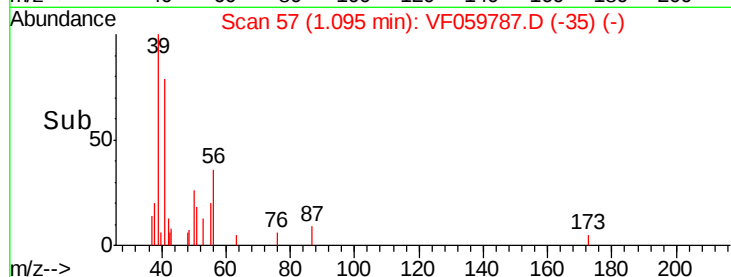
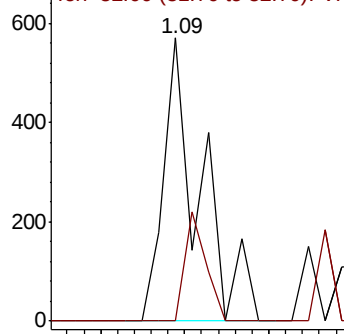
50 100

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: 1.19 min Scan# 67

Delta R.T. 0.04 min

Lab File: VF059787.D

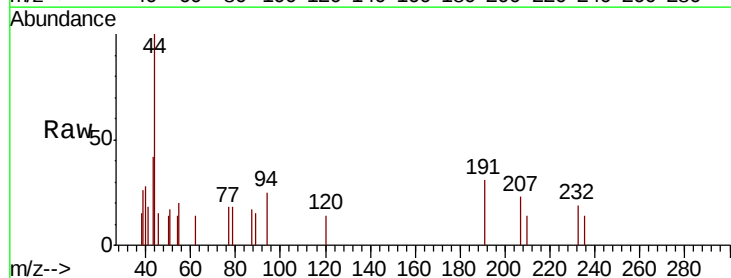
Acq: 2 Aug 2018 7:35

Tgt Ion: 62 Resp: 61

Ion Ratio Lower Upper

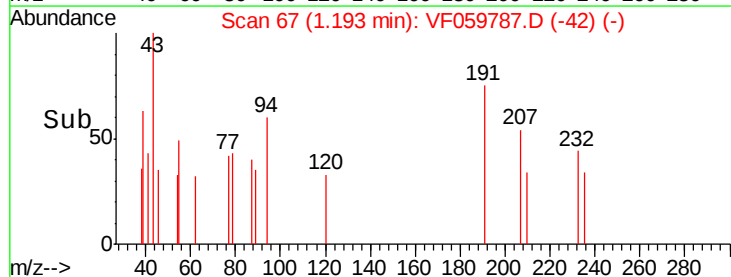
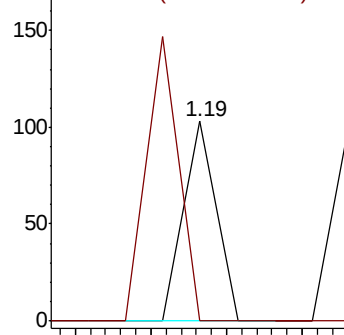
62 100

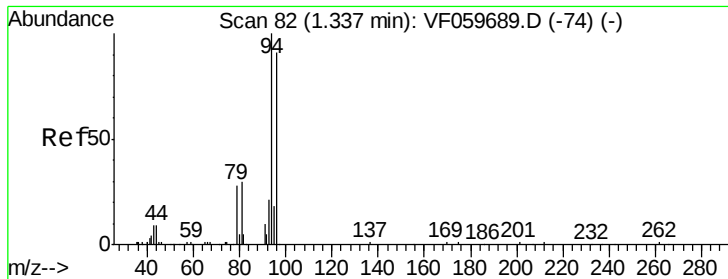
64 0.0 22.6 33.8#



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: 1.34 min Scan# 82

Delta R.T. 0.00 min

Lab File: VF059787.D

Acq: 2 Aug 2018 7:35

Instrument :

MSVOA_F

ClientSampleId :

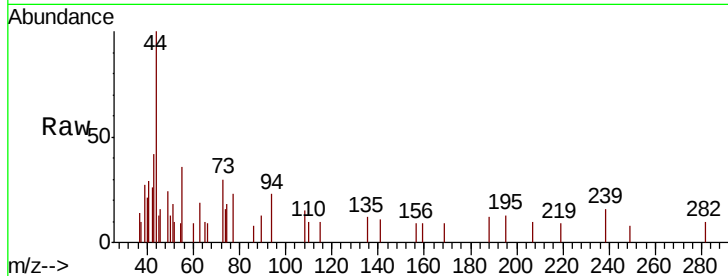
OILY-STONE-CONCRETE

Tgt Ion: 94 Resp: 161

Ion Ratio Lower Upper

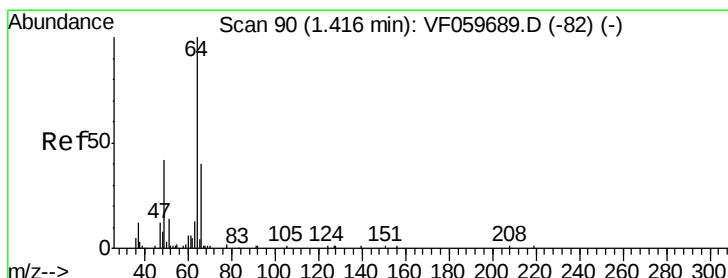
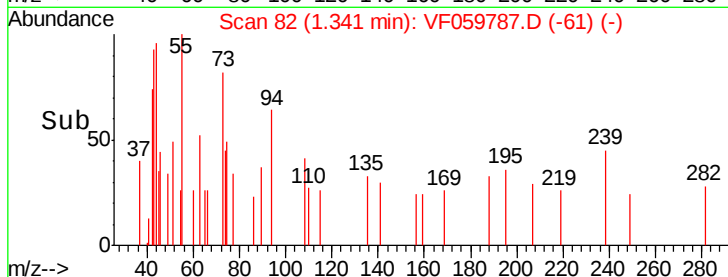
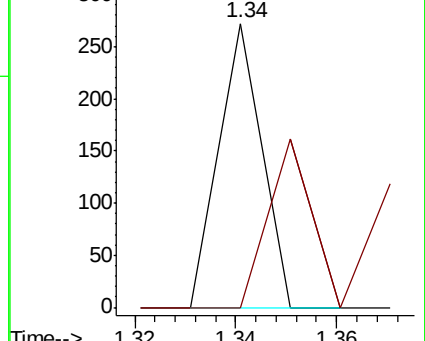
94 100

96 0.0 73.6 110.4#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: Below Cal

RT: 1.41 min Scan# 89

Delta R.T. -0.01 min

Lab File: VF059787.D

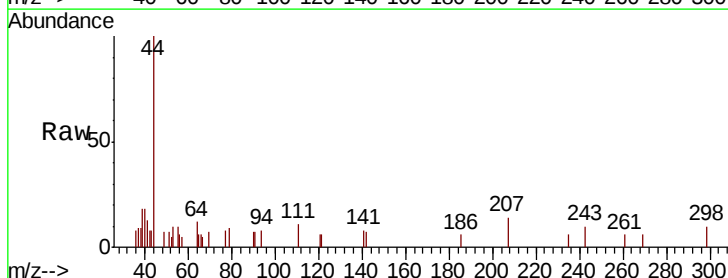
Acq: 2 Aug 2018 7:35

Tgt Ion: 64 Resp: 144

Ion Ratio Lower Upper

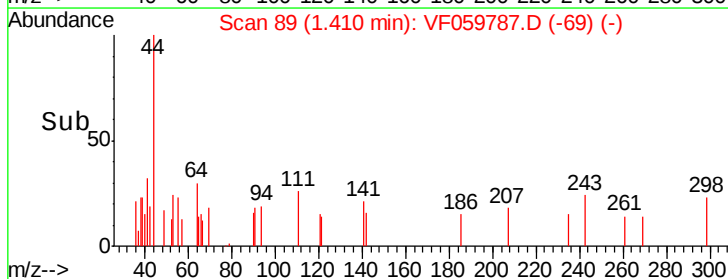
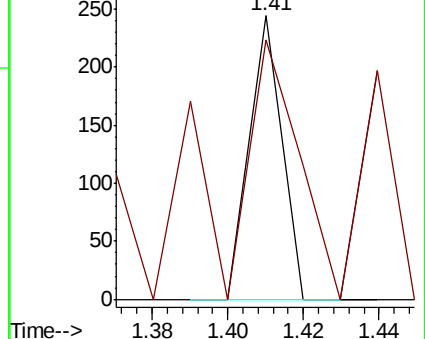
64 100

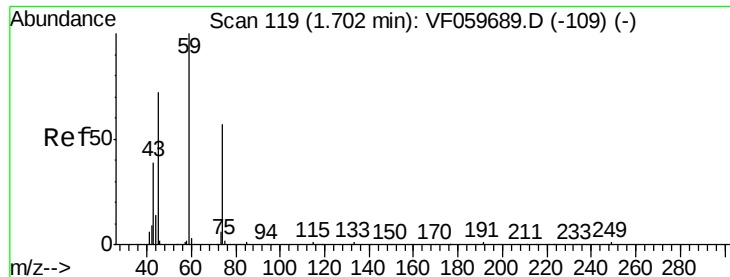
66 91.4 32.6 49.0#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#8

Diethyl Ether

Concen: 1.354 ug/l

RT: 1.71 min Scan# 119

Delta R.T. 0.00 min

Lab File: VF059787.D

Acq: 2 Aug 2018 7:35

Instrument :

MSVOA_F

ClientSampleId :

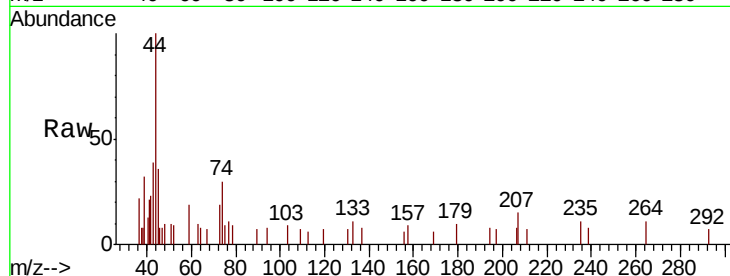
OILY-STONE-CONCRETE

Tgt Ion: 74 Resp: 943

Ion Ratio Lower Upper

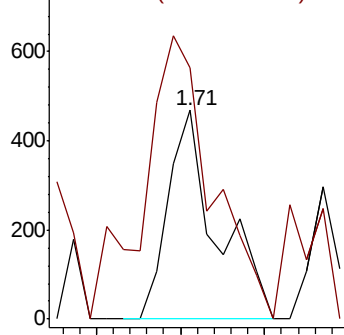
74 100

45 120.3 62.7 188.2

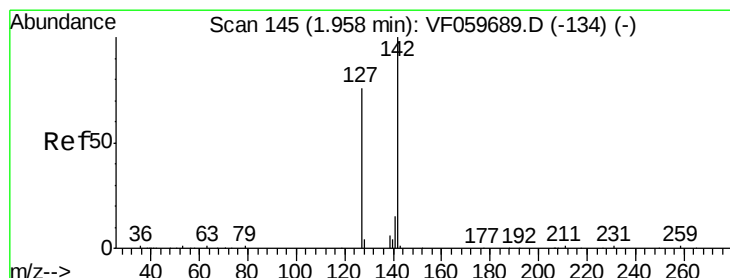
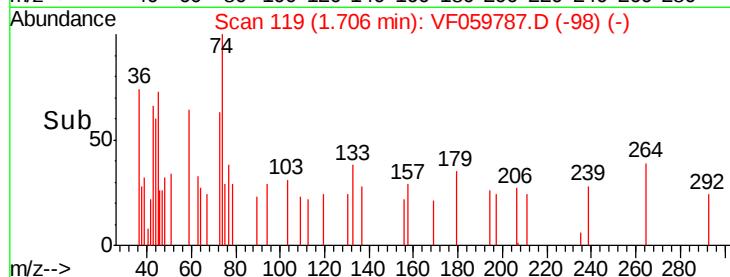


Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0



Time-->



#10

Methyl Iodide

Concen: Below Cal

RT: 1.92 min Scan# 141

Delta R.T. -0.04 min

Lab File: VF059787.D

Acq: 2 Aug 2018 7:35

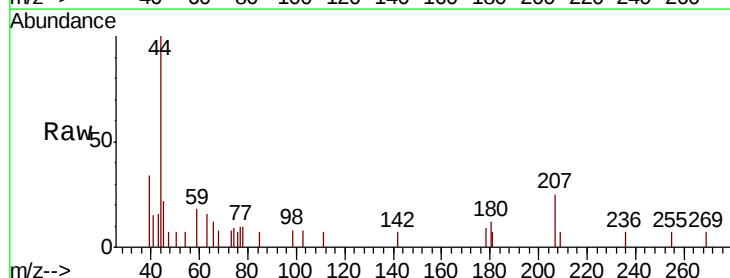
Tgt Ion: 142 Resp: 66

Ion Ratio Lower Upper

142 100

127 0.0 60.6 91.0#

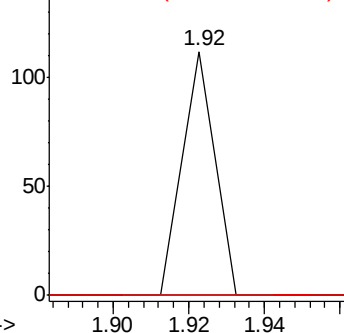
141 0.0 12.0 18.0#



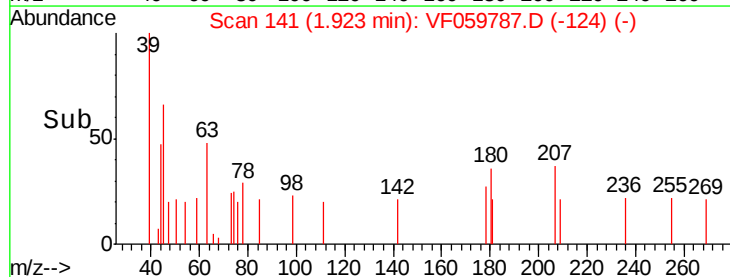
Abundance Ion 142.00 (141.70 to 142.70): V

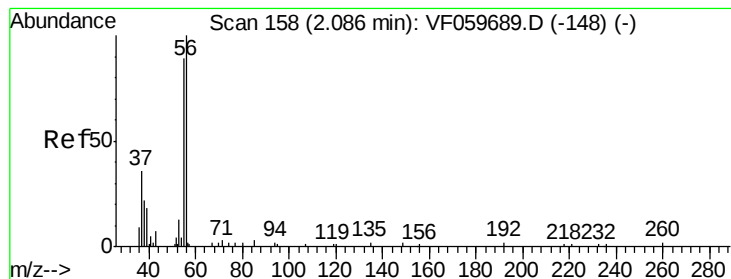
Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



Time-->





#13

Acrolein

Concen: 20.146 ug/l

RT: 2.17 min Scan# 166

Delta R.T. 0.08 min

Lab File: VF059787.D

Acq: 2 Aug 2018 7:35

Instrument :

MSVOA_F

ClientSampleId :

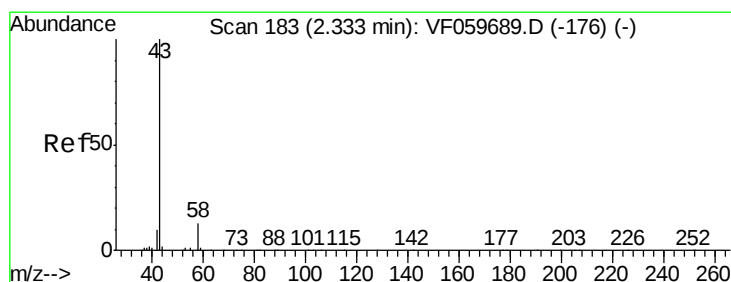
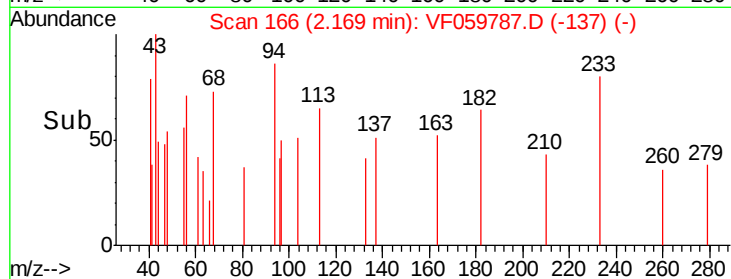
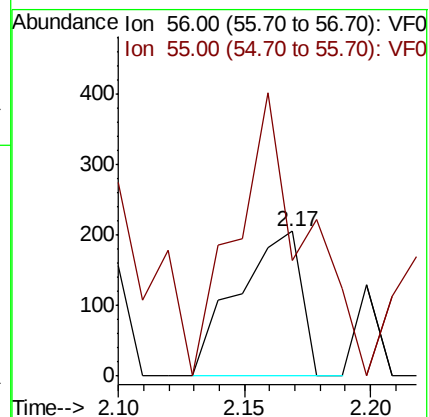
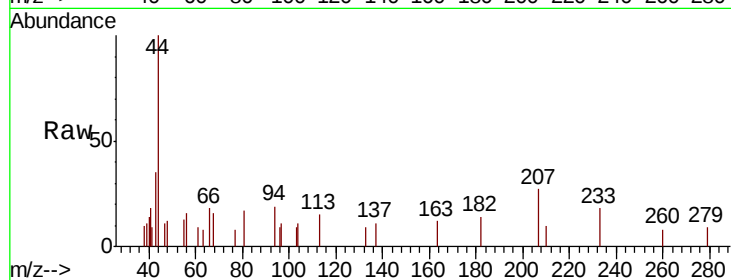
OILY-STONE-CONCRETE

Tgt Ion: 56 Resp: 361

Ion Ratio Lower Upper

56 100

55 79.5 73.2 109.8



#16

Acetone

Concen: 14.775 ug/l

RT: 2.34 min Scan# 183

Delta R.T. 0.00 min

Lab File: VF059787.D

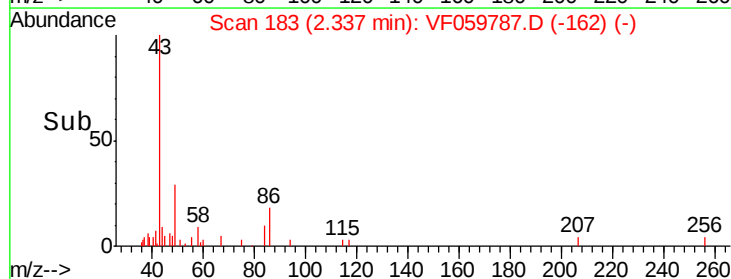
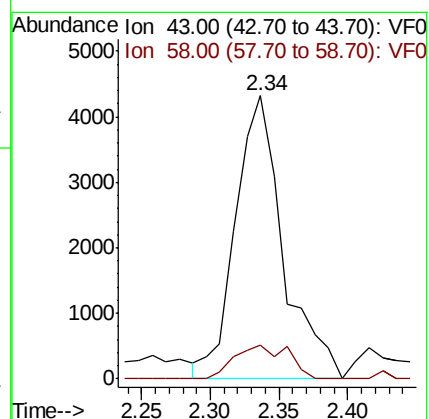
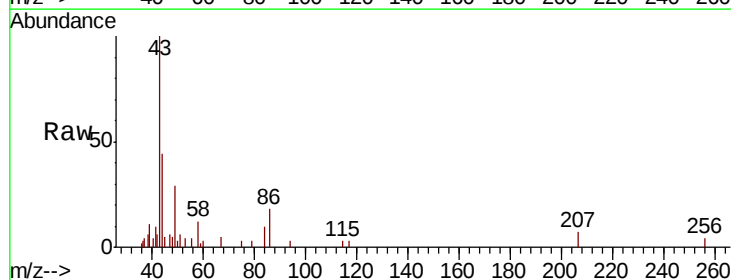
Acq: 2 Aug 2018 7:35

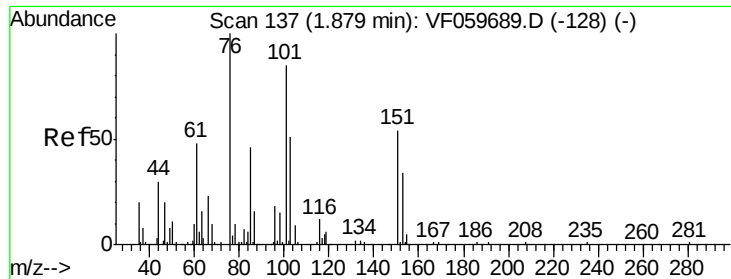
Tgt Ion: 43 Resp: 10415

Ion Ratio Lower Upper

43 100

58 11.9 10.1 15.1

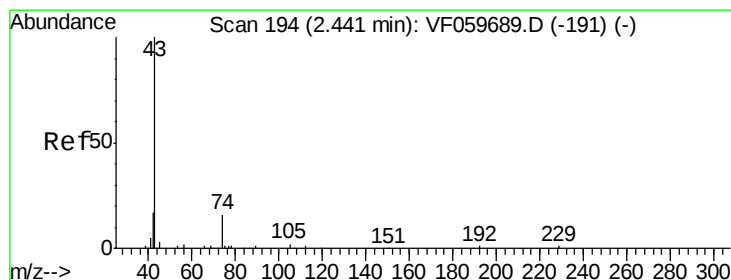
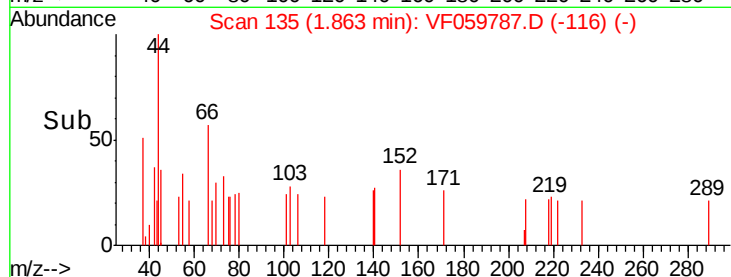
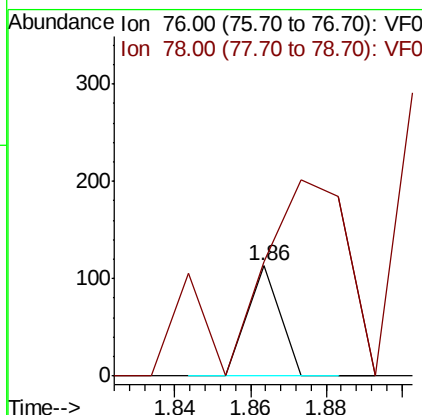
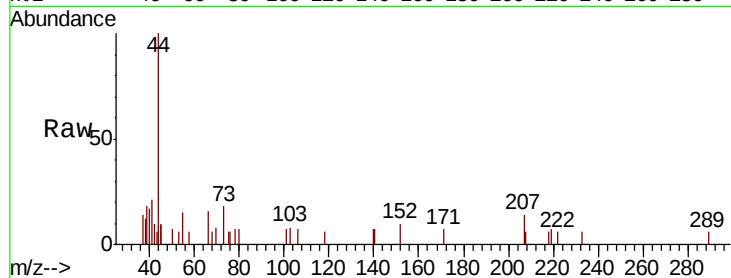




#17
Carbon Disulfide
Concen: Below Cal
RT: 1.86 min Scan# 135
Delta R.T. -0.02 min
Lab File: VF059787.D
Acq: 2 Aug 2018 7:35

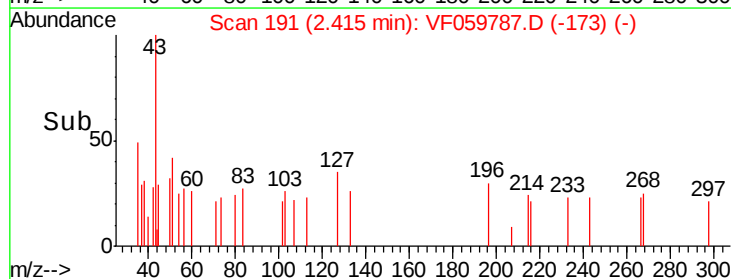
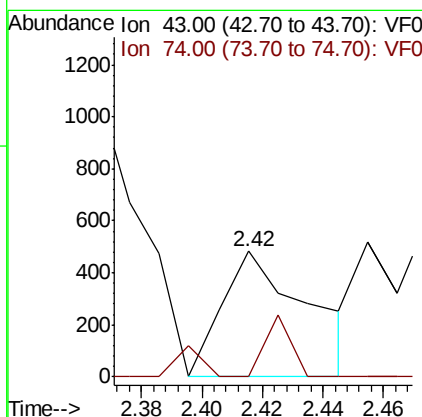
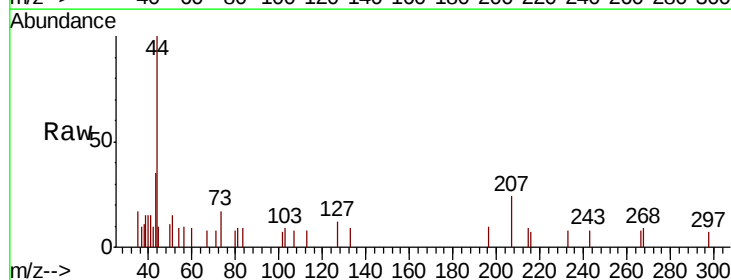
Instrument :
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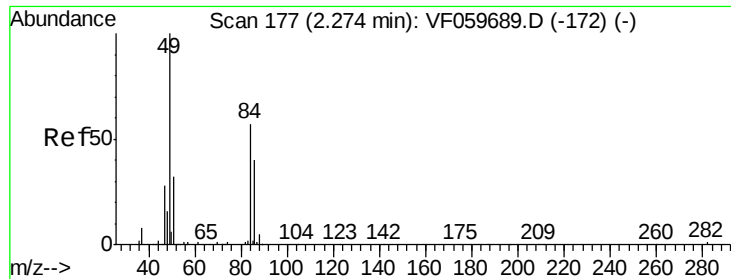
Tgt Ion: 76 Resp: 67
Ion Ratio Lower Upper
76 100
78 104.4 8.9 13.3#



#18
Methyl Acetate
Concen: Below Cal
RT: 2.42 min Scan# 191
Delta R.T. -0.03 min
Lab File: VF059787.D
Acq: 2 Aug 2018 7:35

Tgt Ion: 43 Resp: 945
Ion Ratio Lower Upper
43 100
74 0.0 11.8 17.6#

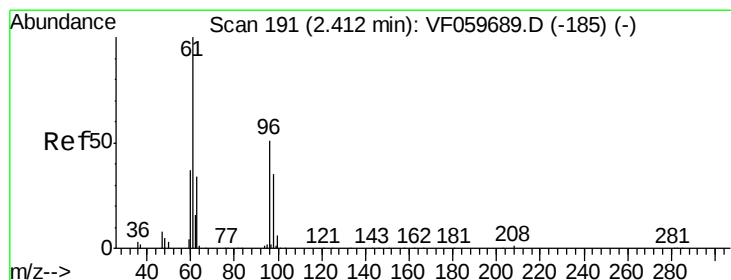
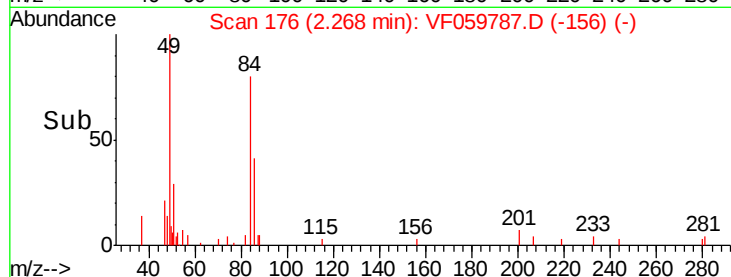
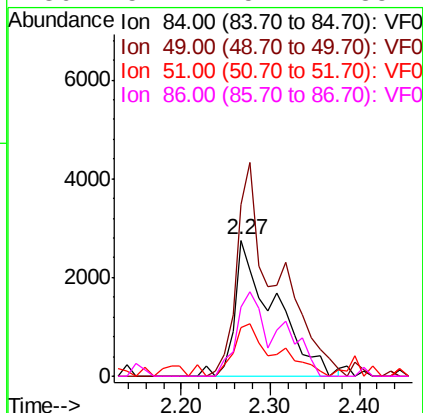
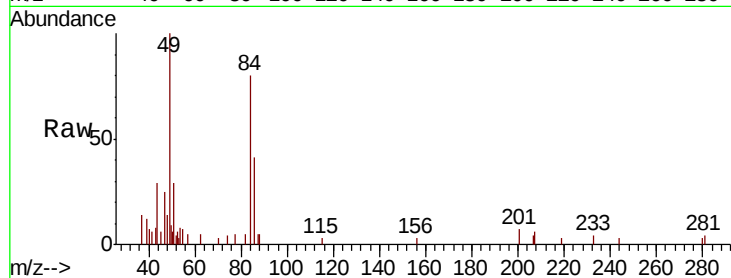




#20
Methylene Chloride
Concen: Below Cal
RT: 2.27 min Scan# 176
Delta R.T. -0.01 min
Lab File: VF059787.D
Acq: 2 Aug 2018 7:35

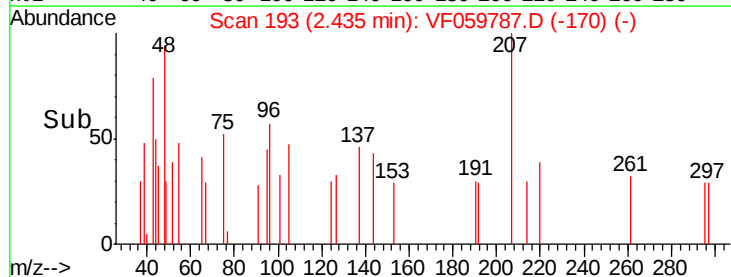
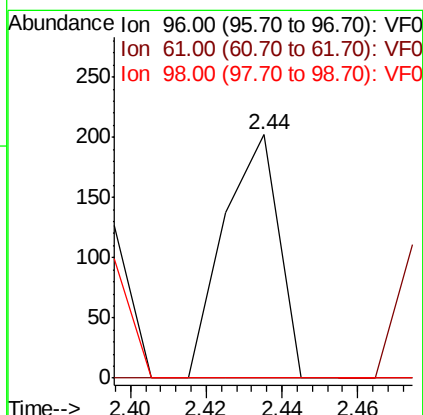
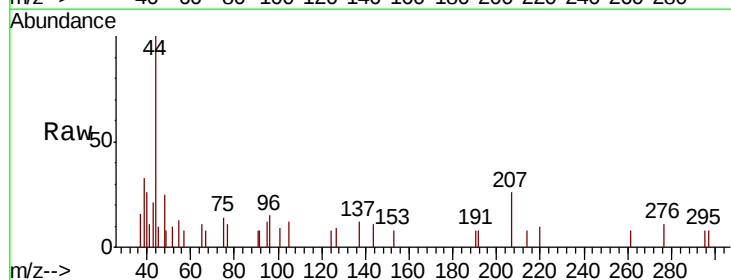
Instrument :
MSVOA_F
ClientSampleId :
OILY-STONE-CONCRETE

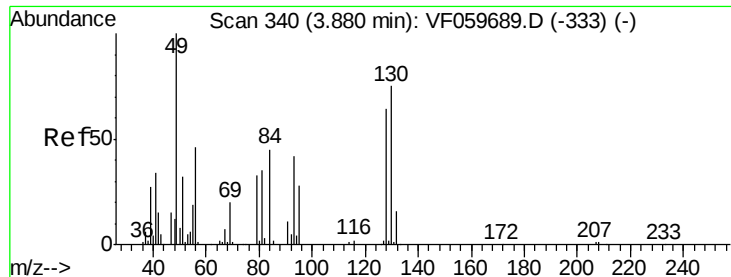
Tgt Ion: 84 Resp: 8498
Ion Ratio Lower Upper
84 100
49 125.7 142.2 213.4#
51 36.1 46.2 69.2#
86 51.1 57.1 85.7#



#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 2.44 min Scan# 193
Delta R.T. 0.02 min
Lab File: VF059787.D
Acq: 2 Aug 2018 7:35

Tgt Ion: 96 Resp: 201
Ion Ratio Lower Upper
96 100
61 0.0 157.4 236.0#
98 0.0 55.0 82.4#





#28

Bromochloromethane

Concen: Below Cal

RT: 3.90 min Scan# 342

Delta R.T. 0.02 min

Lab File: VF059787.D

Acq: 2 Aug 2018 7:35

Instrument :

MSVOA_F

ClientSampleId :

OILY-STONE-CONCRETE

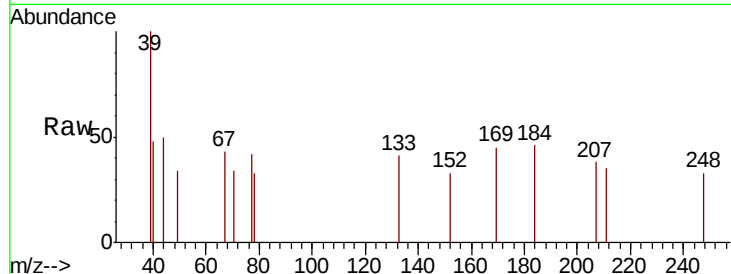
Tgt Ion: 49 Resp: 66

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.8

130 0.0 59.6 89.4#



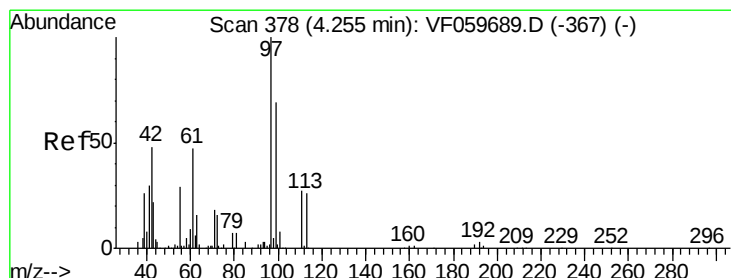
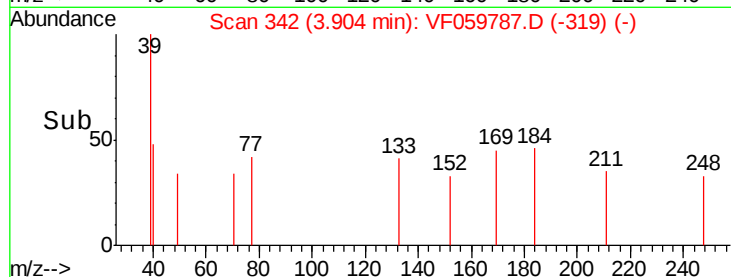
Abundance Ion 49.00 (48.70 to 49.70): VF0

Ion 129.00 (128.70 to 129.70): V

Ion 130.00 (129.70 to 130.70): V

3.90

Time--> 3.88 3.90 3.92



#29

Tetrahydrofuran

Concen: 1.303 ug/l

RT: 4.26 min Scan# 378

Delta R.T. 0.00 min

Lab File: VF059787.D

Acq: 2 Aug 2018 7:35

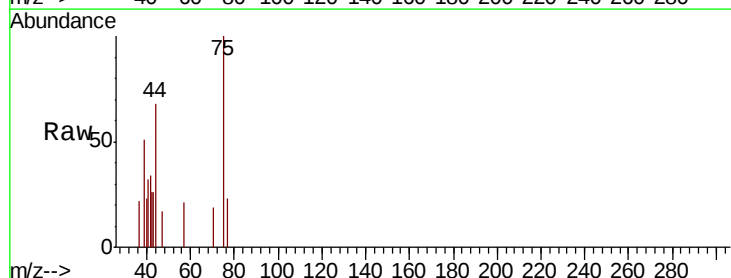
Tgt Ion: 42 Resp: 394

Ion Ratio Lower Upper

42 100

72 0.0 27.0 40.6#

71 0.0 29.7 44.5#



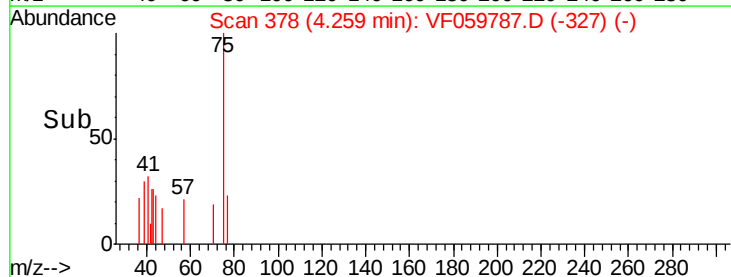
Abundance Ion 42.00 (41.70 to 42.70): VF0

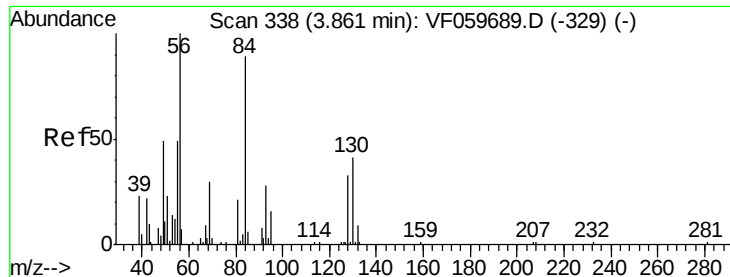
Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0

4.26

Time--> 4.22 4.24 4.26 4.28

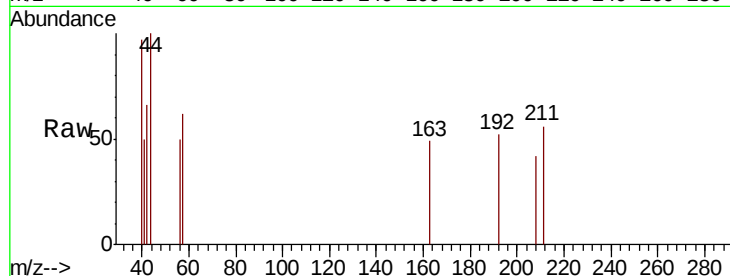




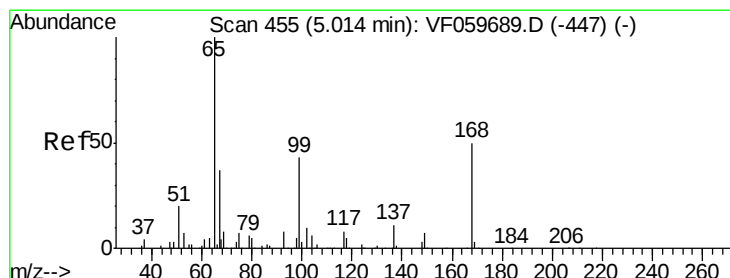
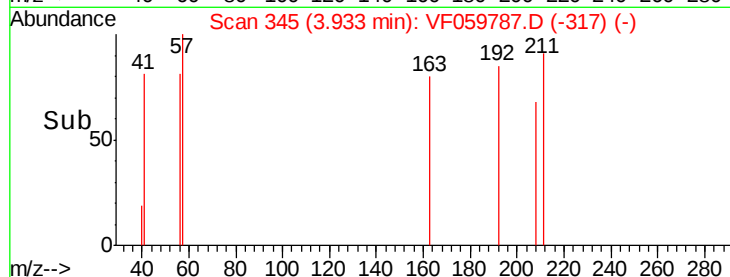
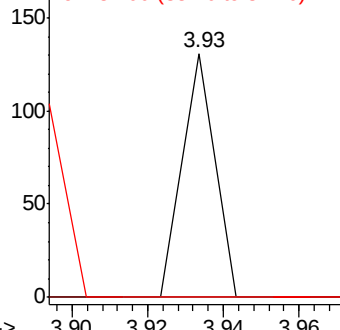
#31
Cyclohexane
Concen: Below Cal
RT: 3.93 min Scan# 345
Delta R.T. 0.07 min
Lab File: VF059787.D
Acq: 2 Aug 2018 7:35

Instrument :
MSVOA_F
ClientSampleId :
OILY-STONE-CONCRETE

Tgt Ion: 56 Resp: 77
Ion Ratio Lower Upper
56 100
69 0.0 23.7 35.5#
84 0.0 71.1 106.7#

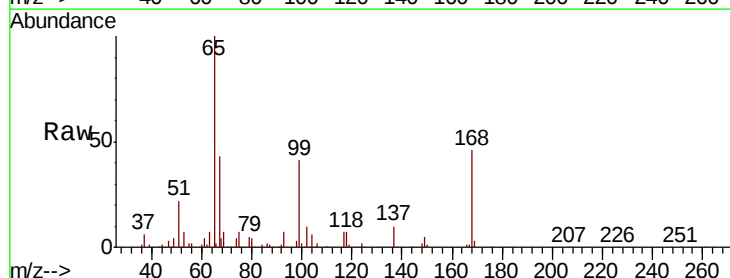


Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0

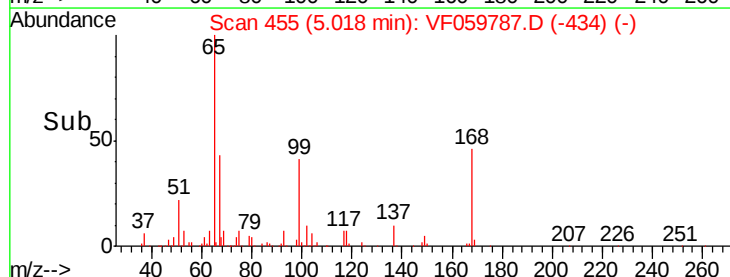
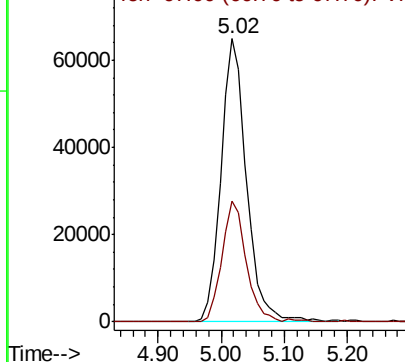


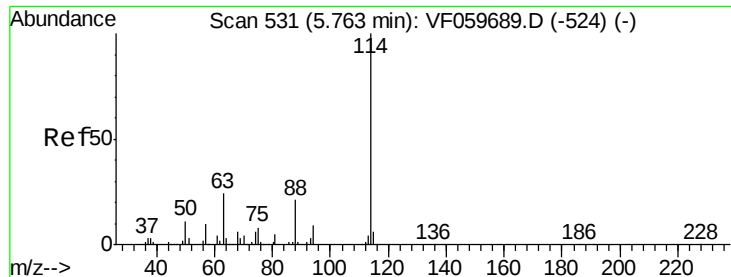
#33
1,2-Dichloroethane-d4
Concen: 46.655 ug/l
RT: 5.02 min Scan# 455
Delta R.T. 0.00 min
Lab File: VF059787.D
Acq: 2 Aug 2018 7:35

Tgt Ion: 65 Resp: 182836
Ion Ratio Lower Upper
65 100
67 42.6 0.0 84.6



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





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.77 min Scan# 531

Delta R.T. 0.00 min

Lab File: VF059787.D

Acq: 2 Aug 2018 7:35

Instrument :

MSVOA_F

ClientSampleId :

OILY-STONE-CONCRETE

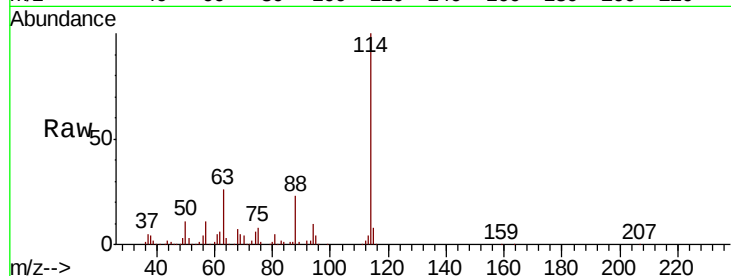
Tgt Ion:114 Resp: 311879

Ion Ratio Lower Upper

114 100

63 25.6 0.0 47.4

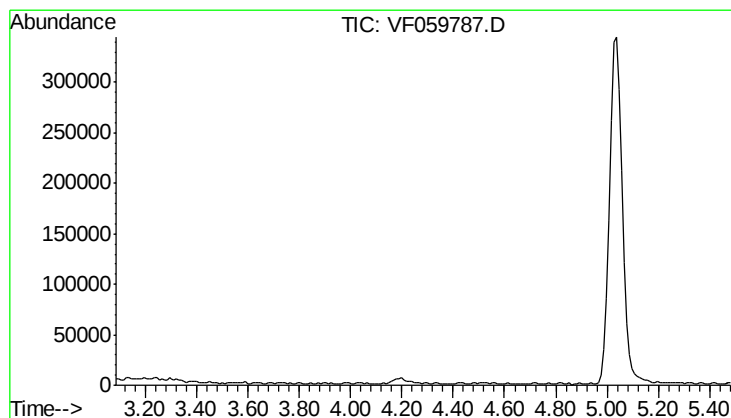
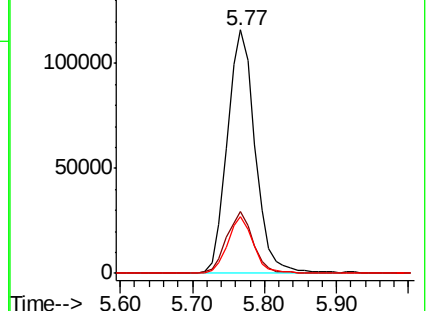
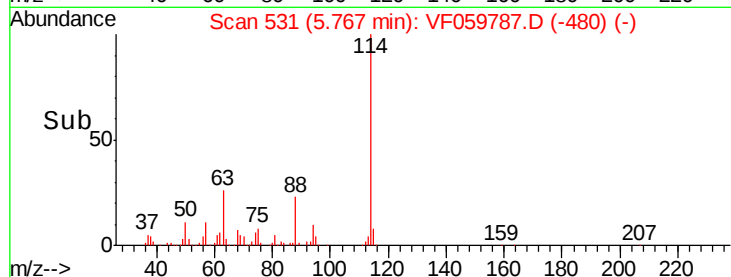
88 23.3 0.0 41.2



Abundance Ion 114.00 (113.70 to 114.70): VF059787.D

Ion 63.00 (62.70 to 63.70): VF059787.D

Ion 88.00 (87.70 to 88.70): VF059787.D



#35

Dibromofluoromethane

Concen: 0.000 ug/l

Expected RT: 4.28 min

Lab File: VF059787.D

Acq: 2 Aug 2018 7:35

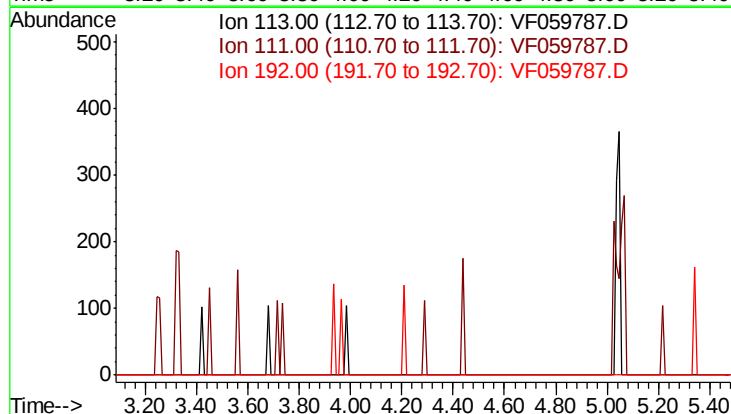
Tgt Ion: 113

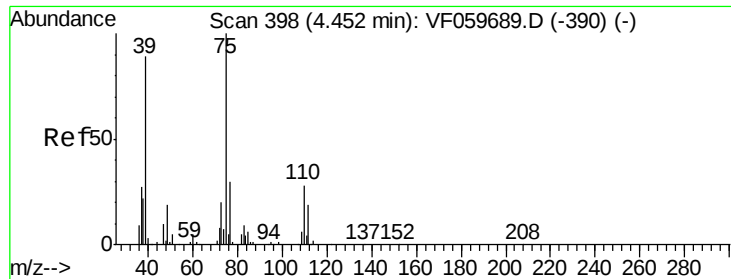
Sig Exp Ratio

113 100

111 98.7

192 16.5





#36

1,1-Dichloropropene

Concen: Below Cal

RT: 4.44 min Scan# 396

Delta R.T. -0.02 min

Lab File: VF059787.D

Acq: 2 Aug 2018 7:35

Instrument :

MSVOA_F

ClientSampleId :

OILY-STONE-CONCRETE

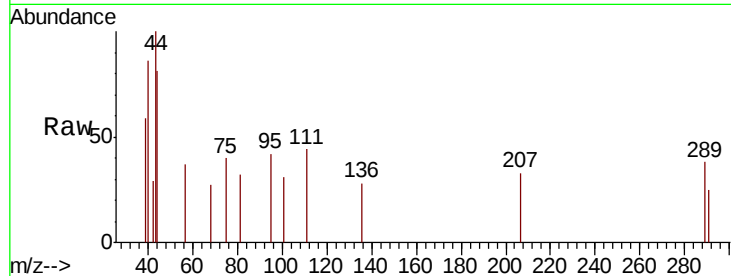
Tgt Ion: 75 Resp: 303

Ion Ratio Lower Upper

75 100

110 0.0 14.0 41.9#

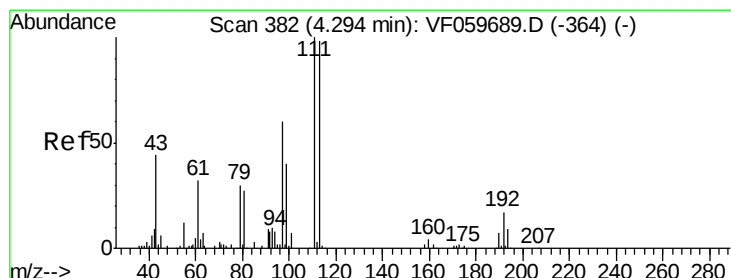
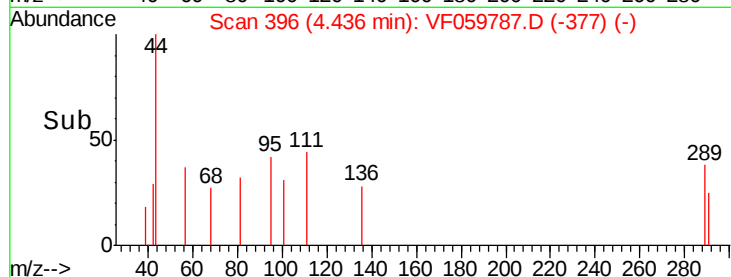
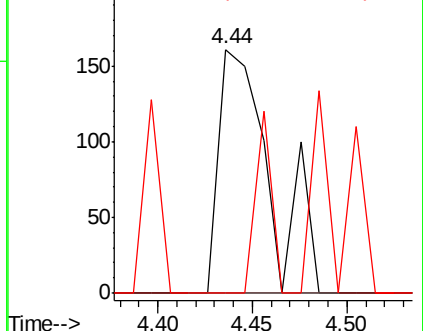
77 0.0 24.2 36.2#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0



#37

Ethyl Acetate

Concen: Below Cal

RT: 4.34 min Scan# 386

Delta R.T. 0.04 min

Lab File: VF059787.D

Acq: 2 Aug 2018 7:35

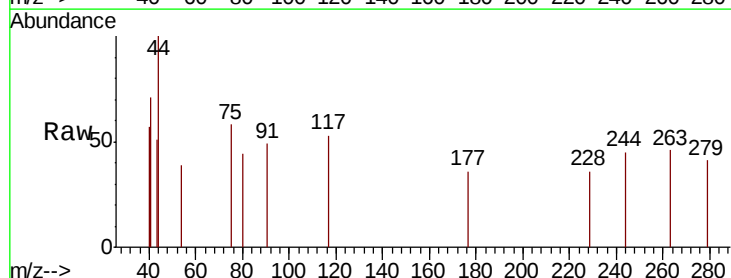
Tgt Ion: 43 Resp: 150

Ion Ratio Lower Upper

43 100

61 0.0 58.2 87.2#

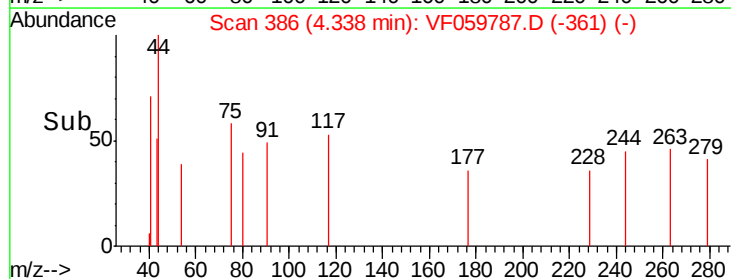
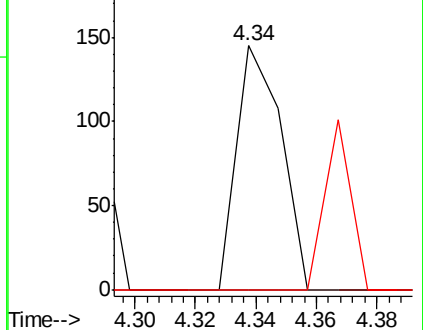
70 0.0 6.0 9.0#

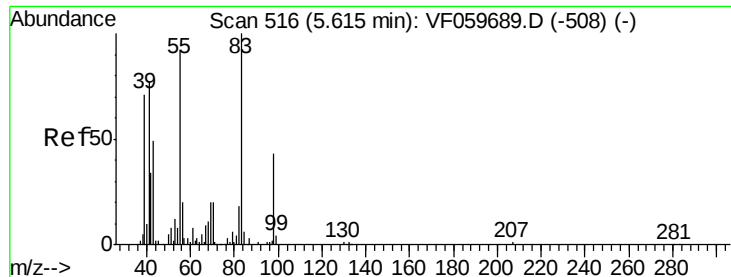


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

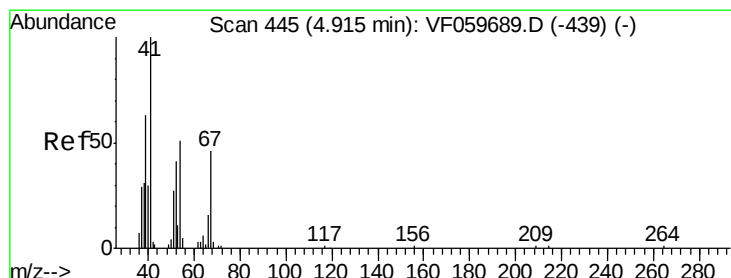
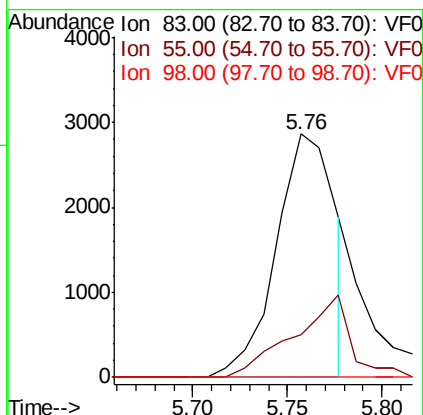
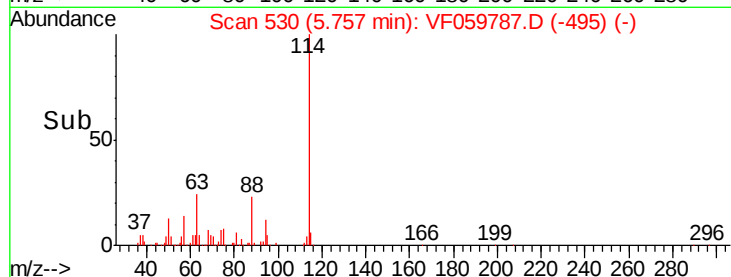
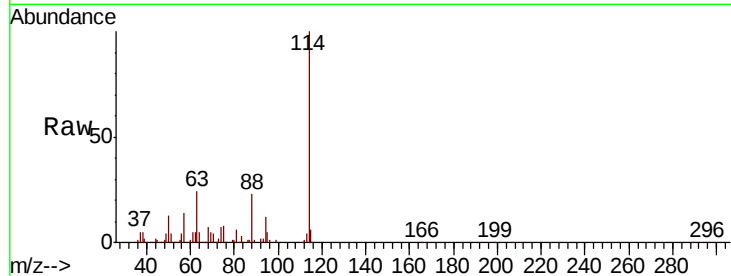




#39
Methylcyclohexane
Concen: Below Cal
RT: 5.76 min Scan# 530
Delta R.T. 0.14 min
Lab File: VF059787.D
Acq: 2 Aug 2018 7:35

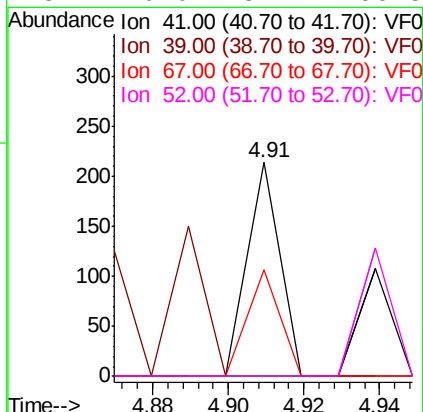
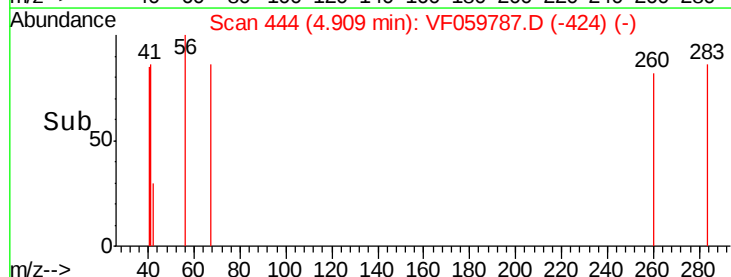
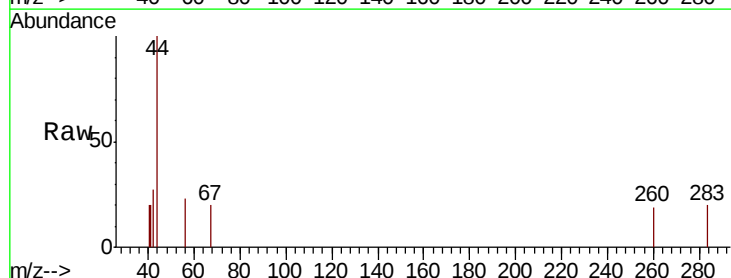
Instrument :
MSVOA_F
ClientSampleId :
OILY-STONE-CONCRETE

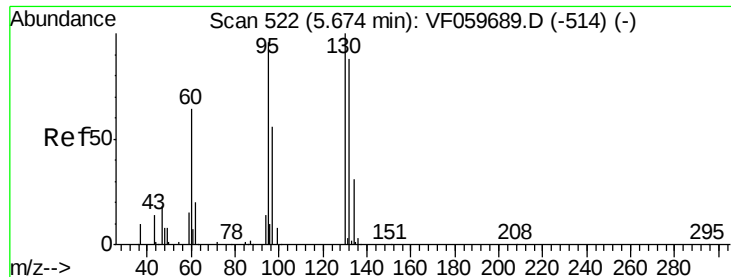
Tgt Ion: 83 Resp: 6244
Ion Ratio Lower Upper
83 100
55 17.8 73.4 110.2#
98 0.0 34.2 51.4#



#41
Methacrylonitrile
Concen: Below Cal
RT: 4.91 min Scan# 444
Delta R.T. -0.01 min
Lab File: VF059787.D
Acq: 2 Aug 2018 7:35

Tgt Ion: 41 Resp: 127
Ion Ratio Lower Upper
41 100
39 0.0 55.2 82.8#
67 50.0 36.2 54.2
52 0.0 37.7 56.5#





#44

Trichloroethene

Concen: Below Cal

RT: 5.65 min Scan# 519

Delta R.T. -0.03 min

Lab File: VF059787.D

Acq: 2 Aug 2018 7:35

Instrument :

MSVOA_F

ClientSampleId :

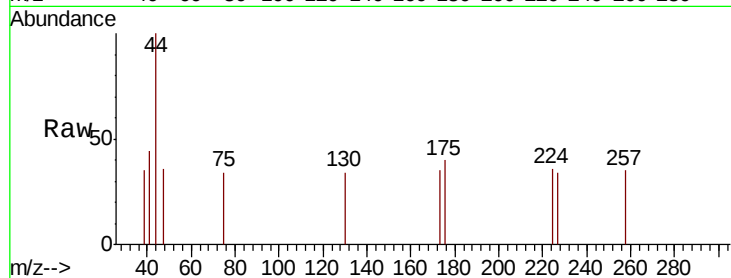
OILY-STONE-CONCRETE

Tgt Ion:130 Resp: 63

Ion Ratio Lower Upper

130 100

95 0.0 0.0 191.0



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0

150

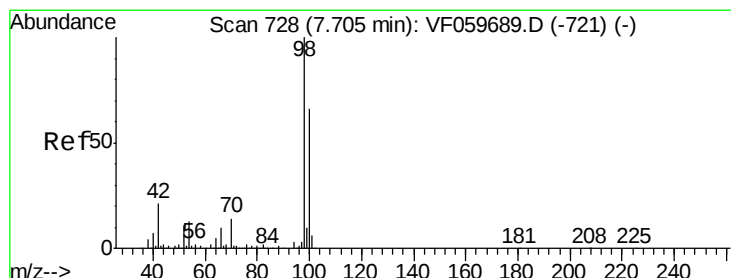
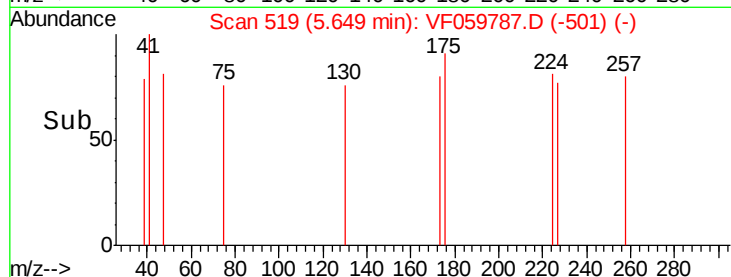
100

50

0

5.62 5.64 5.66 5.68

Time-->



#50

Toluene-d8

Concen: 36.559 ug/l

RT: 7.71 min Scan# 728

Delta R.T. 0.00 min

Lab File: VF059787.D

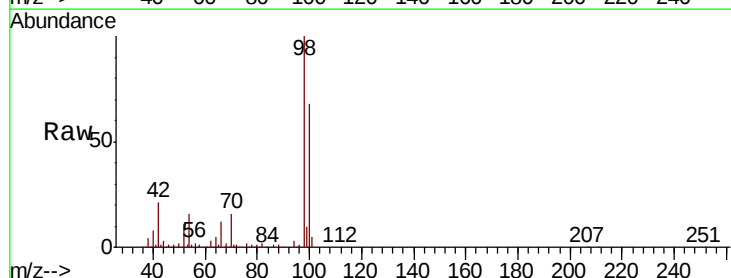
Acq: 2 Aug 2018 7:35

Tgt Ion: 98 Resp: 276169

Ion Ratio Lower Upper

98 100

100 67.7 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF

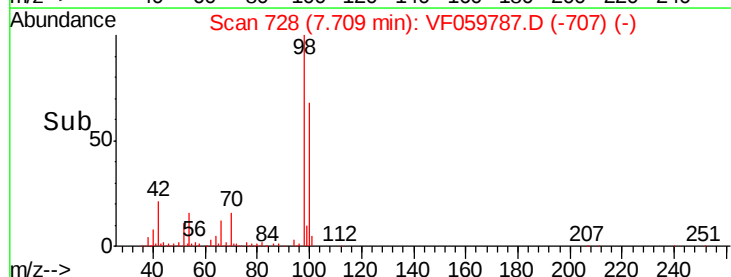
100000

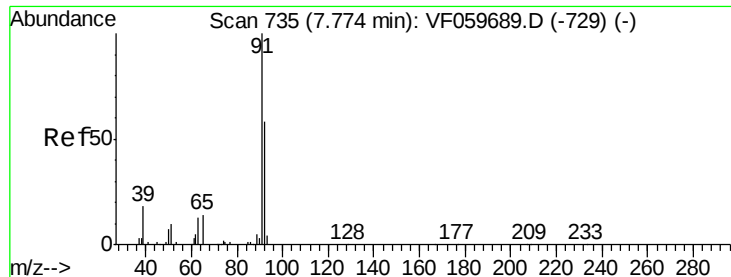
50000

0

7.60 7.70 7.80

Time-->





#52

Toluene

Concen: Below Cal

RT: 7.79 min Scan# 736

Delta R.T. 0.01 min

Lab File: VF059787.D

Acq: 2 Aug 2018 7:35

Instrument :

MSVOA_F

ClientSampleId :

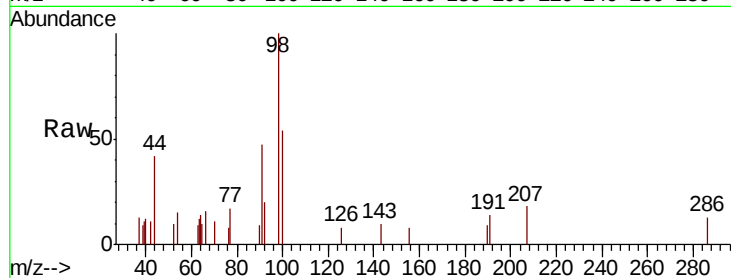
OILY-STONE-CONCRETE

Tgt Ion: 92 Resp: 583

Ion Ratio Lower Upper

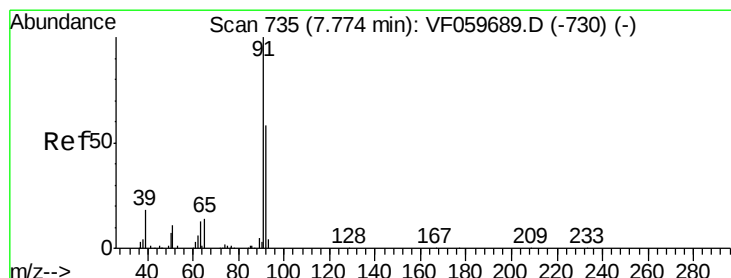
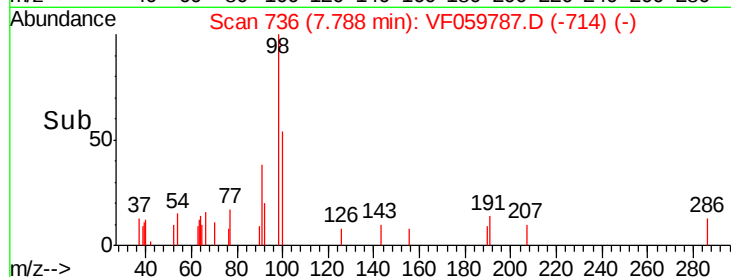
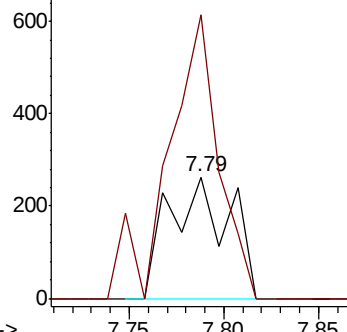
92 100

91 233.1 139.0 208.4#



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 1.753 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.01 min

Lab File: VF059787.D

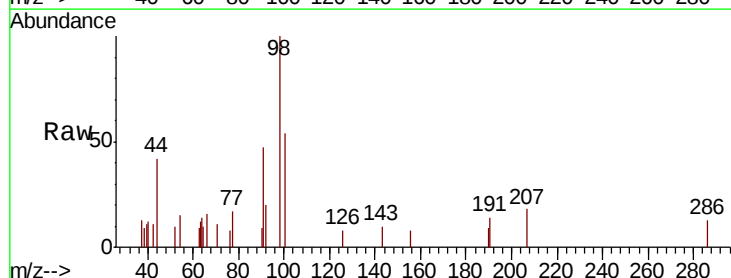
Acq: 2 Aug 2018 7:35

Tgt Ion: 63 Resp: 360

Ion Ratio Lower Upper

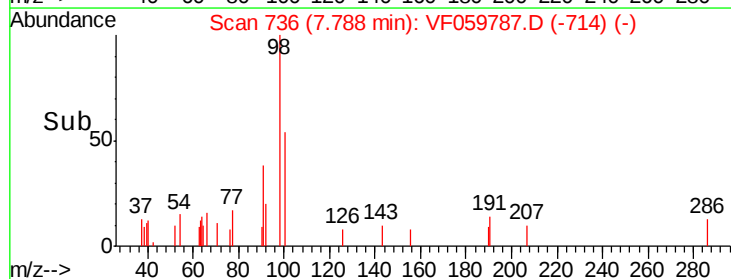
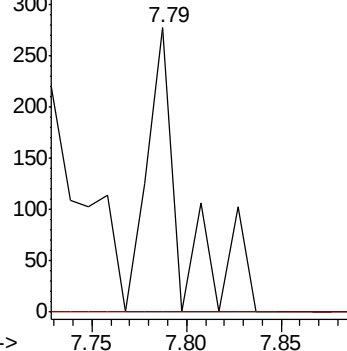
63 100

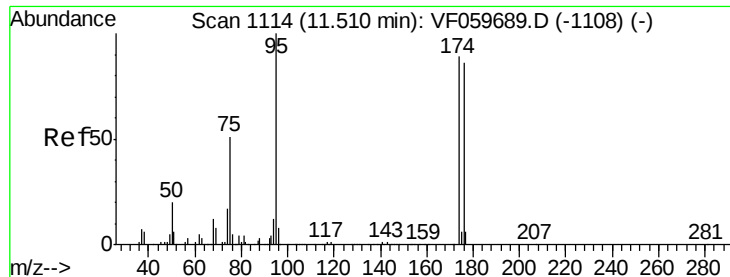
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V





#62

4-Bromofluorobenzene

Concen: 36.284 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VF059787.D

Acq: 2 Aug 2018 7:35

Instrument :

MSVOA_F

ClientSampleId :

OILY-STONE-CONCRETE

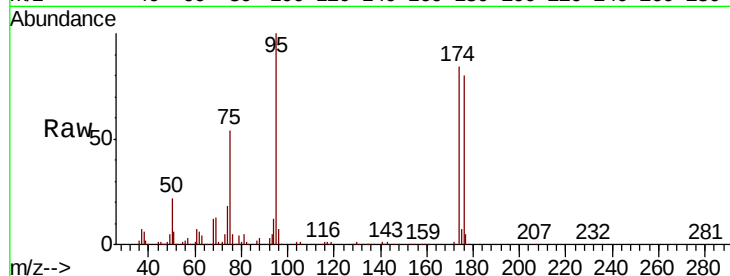
Tgt Ion: 95 Resp: 151738

Ion Ratio Lower Upper

95 100

174 84.5 0.0 178.4

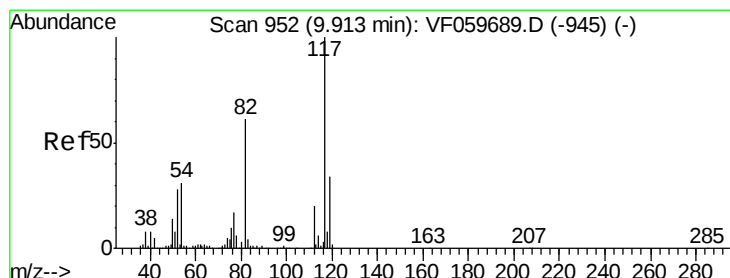
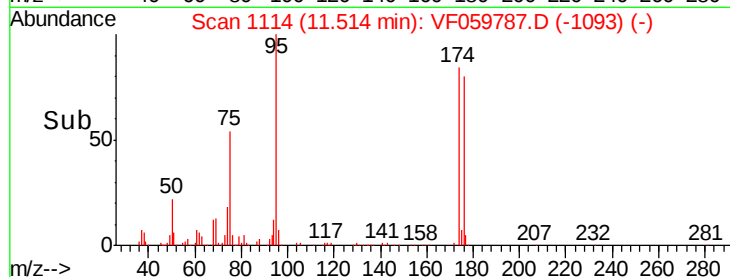
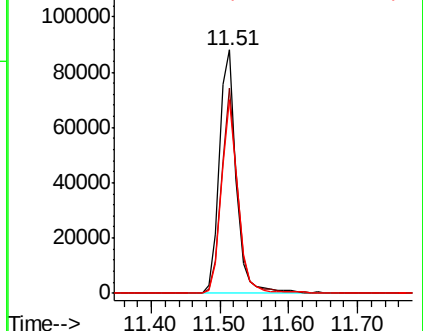
176 79.6 0.0 173.0



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.92 min Scan# 952

Delta R.T. 0.00 min

Lab File: VF059787.D

Acq: 2 Aug 2018 7:35

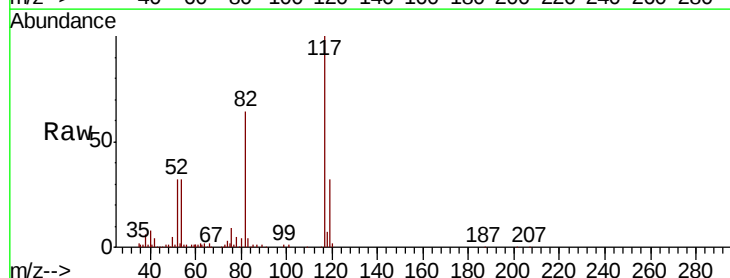
Tgt Ion: 117 Resp: 305208

Ion Ratio Lower Upper

117 100

82 64.3 49.0 73.4

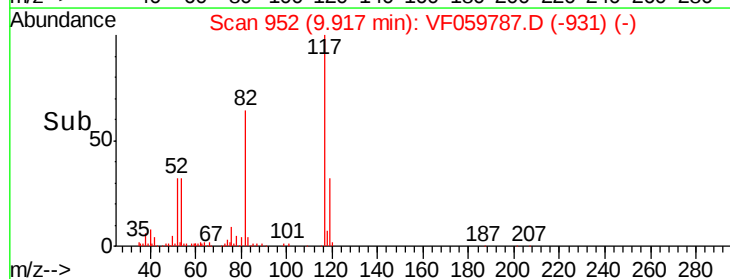
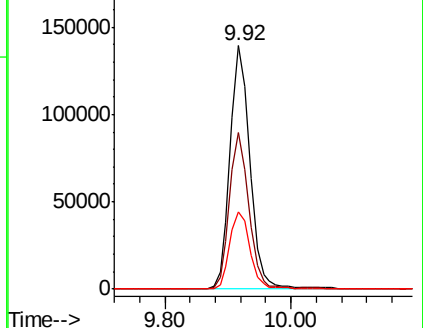
119 31.5 27.3 40.9

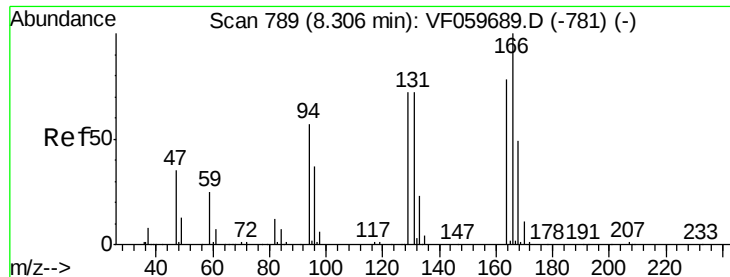


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V

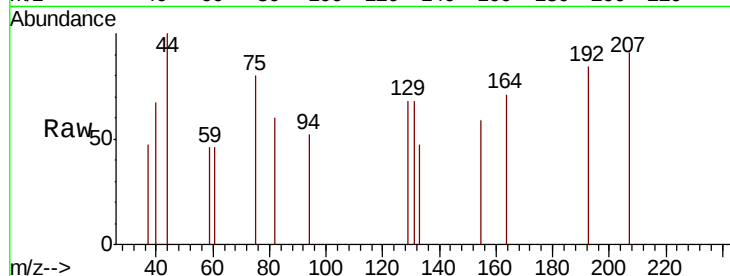




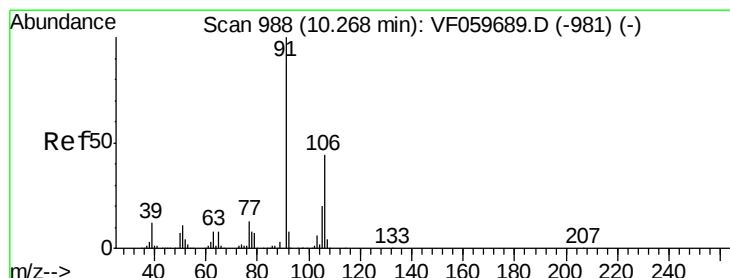
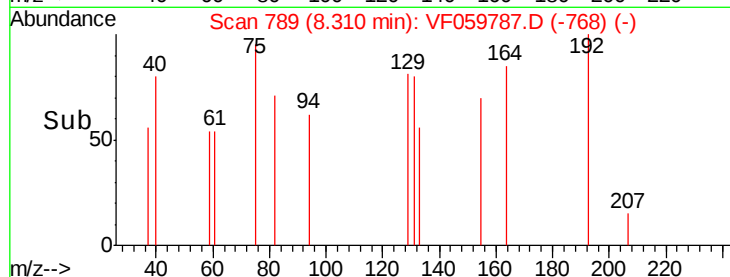
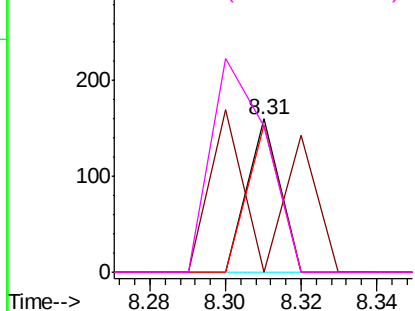
#64
Tetrachloroethene
Concen: Below Cal
RT: 8.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VF059787.D
Acq: 2 Aug 2018 7:35

Instrument :
MSVOA_F
ClientSampleId :
OILY-STONE-CONCRETE

Tgt Ion:164 Resp: 95
Ion Ratio Lower Upper
164 100
166 0.0 102.1 153.1#
129 95.6 73.8 110.6
131 95.0 73.1 109.7

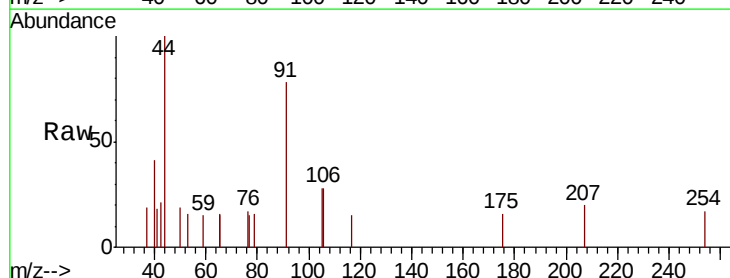


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

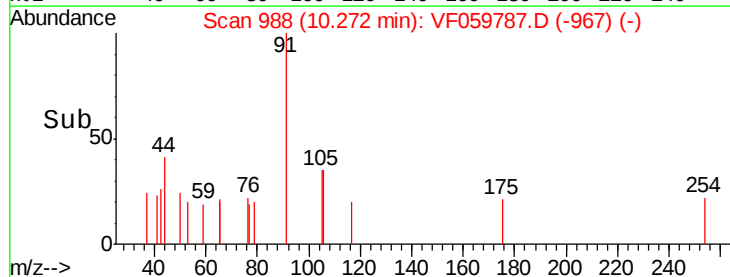
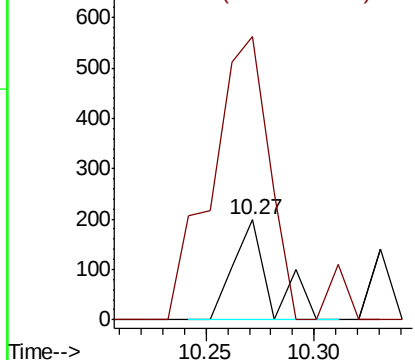


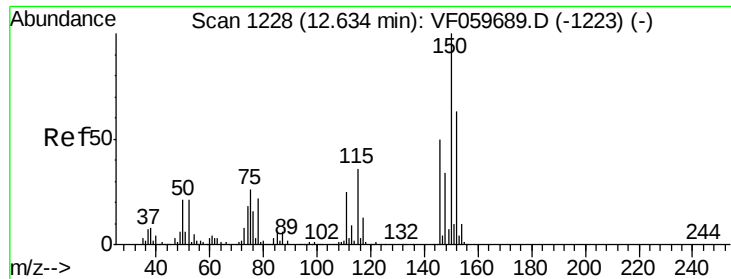
#68
m/p-Xylenes
Concen: Below Cal
RT: 10.27 min Scan# 988
Delta R.T. 0.00 min
Lab File: VF059787.D
Acq: 2 Aug 2018 7:35

Tgt Ion:106 Resp: 238
Ion Ratio Lower Upper
106 100
91 283.8 181.7 272.5#



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: 12.63 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VF059787.D

Acq: 2 Aug 2018 7:35

Instrument :

MSVOA_F

ClientSampleId :

OILY-STONE-CONCRETE

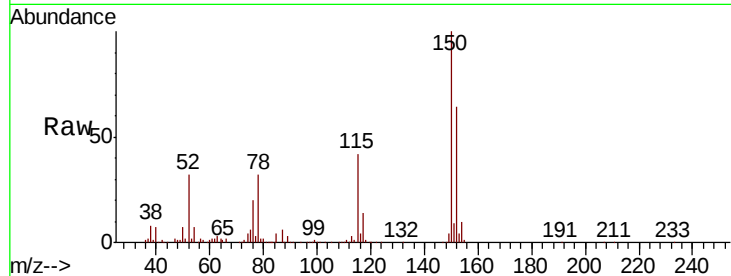
Tgt Ion:152 Resp: 185931

Ion Ratio Lower Upper

152 100

115 65.8 28.2 84.6

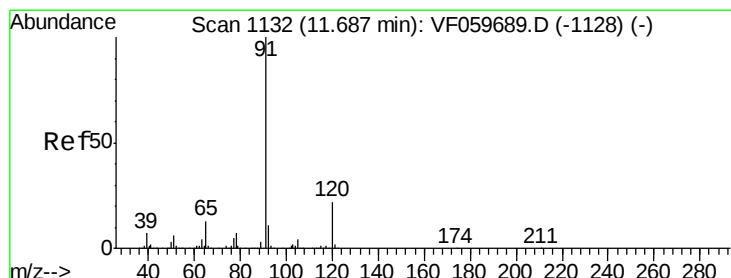
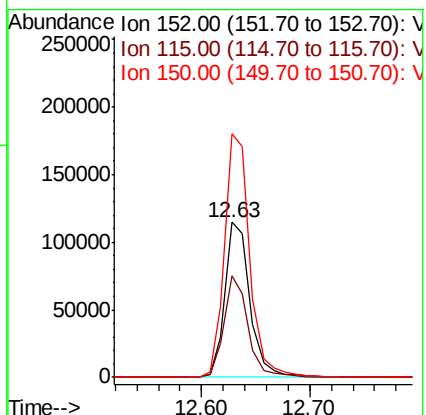
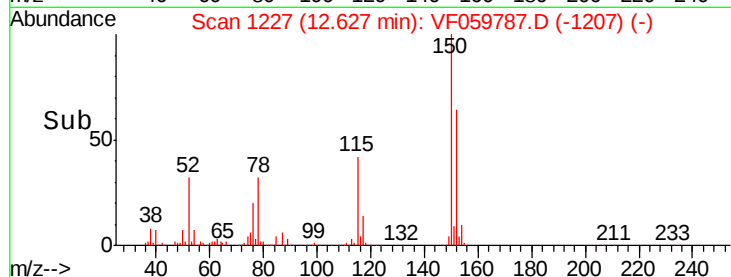
150 157.2 0.0 316.2



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



#78

n-propylbenzene

Concen: Below Cal

RT: 11.68 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VF059787.D

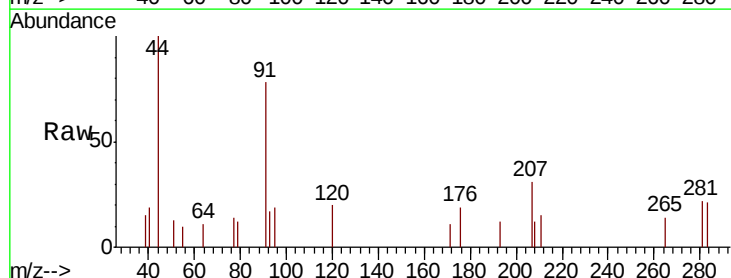
Acq: 2 Aug 2018 7:35

Tgt Ion: 91 Resp: 1077

Ion Ratio Lower Upper

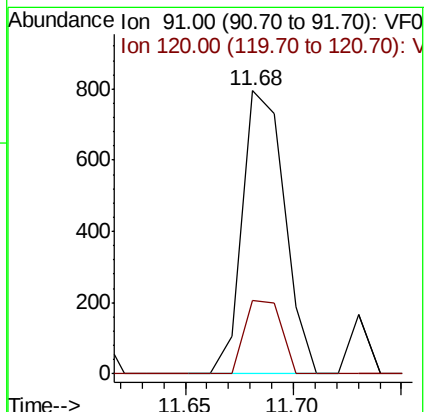
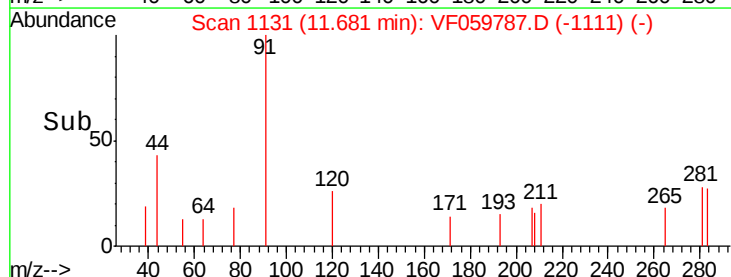
91 100

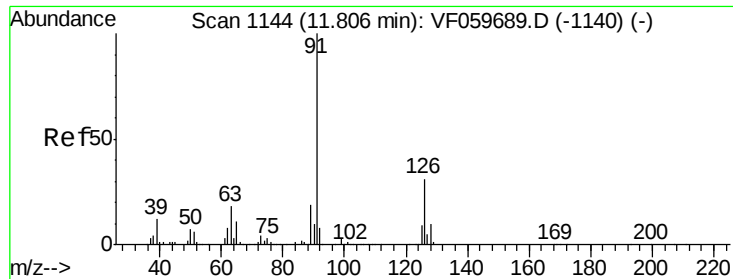
120 26.2 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

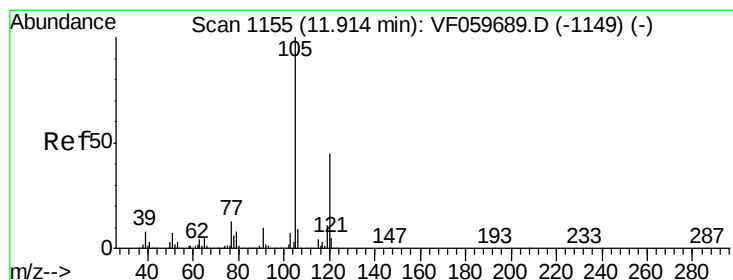
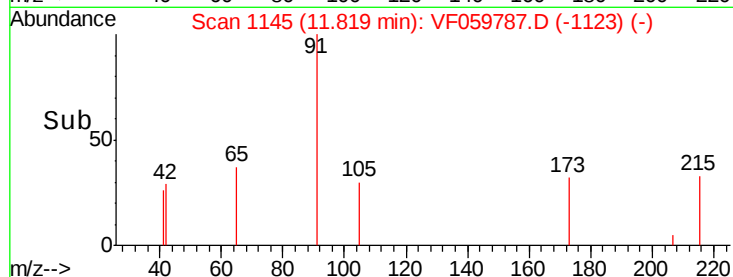
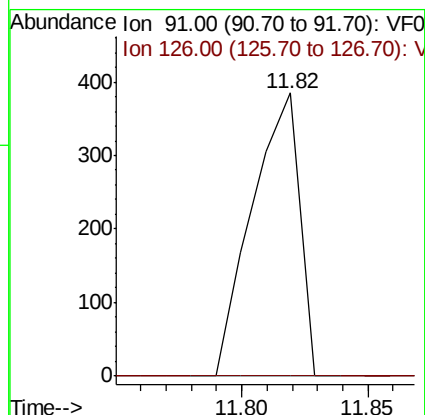
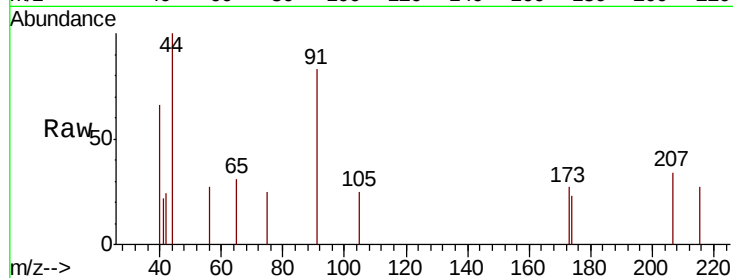




#79
 2-Chlorotoluene
 Concen: Below Cal
 RT: 11.82 min Scan# 1145
 Delta R.T. 0.01 min
 Lab File: VF059787.D
 Acq: 2 Aug 2018 7:35

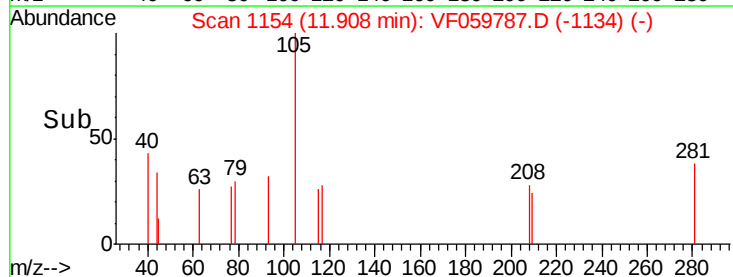
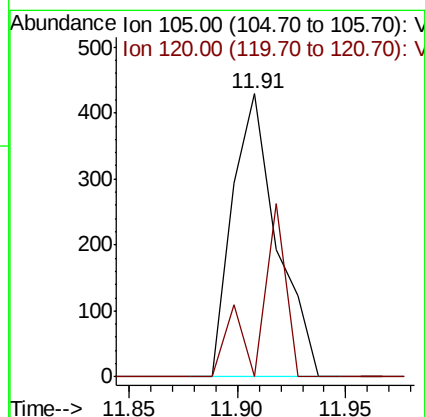
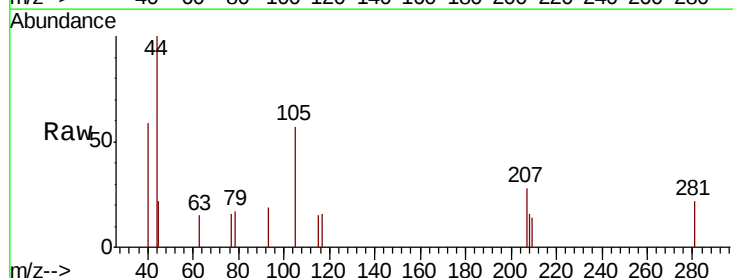
Instrument :
 MSVOA_F
 ClientSampleId :
 OILY-STONE-CONCRETE

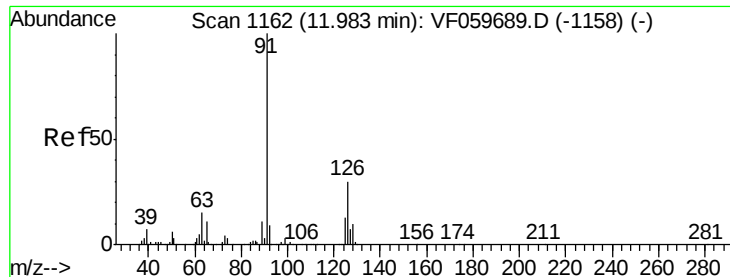
Tgt Ion: 91 Resp: 507
 Ion Ratio Lower Upper
 91 100
 126 0.0 15.4 46.2#



#80
 1,3,5-Trimethylbenzene
 Concen: Below Cal
 RT: 11.91 min Scan# 1154
 Delta R.T. -0.01 min
 Lab File: VF059787.D
 Acq: 2 Aug 2018 7:35

Tgt Ion: 105 Resp: 613
 Ion Ratio Lower Upper
 105 100
 120 0.0 22.7 68.0#





#82

4-Chlorotoluene

Concen: Below Cal

RT: 11.99 min Scan# 1162

Delta R.T. 0.00 min

Lab File: VF059787.D

Acq: 2 Aug 2018 7:35

Instrument :

MSVOA_F

ClientSampleId :

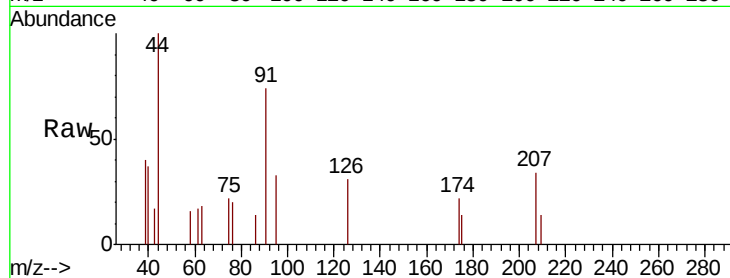
OILY-STONE-CONCRETE

Tgt Ion: 91 Resp: 751

Ion Ratio Lower Upper

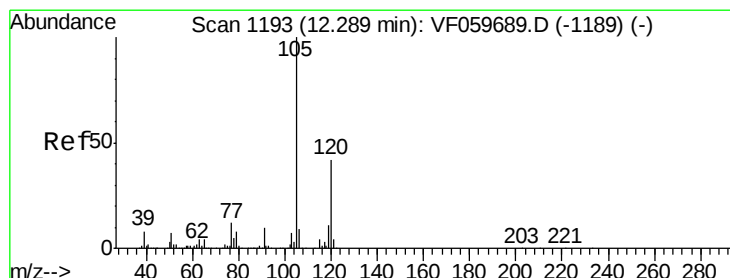
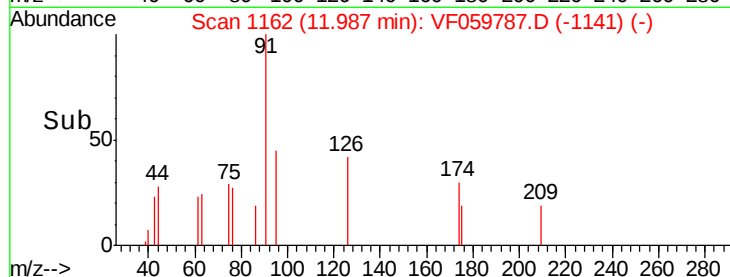
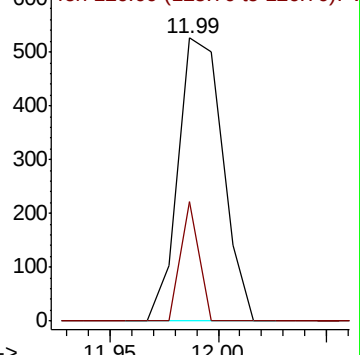
91 100

126 42.0 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: 12.29 min Scan# 1193

Delta R.T. 0.00 min

Lab File: VF059787.D

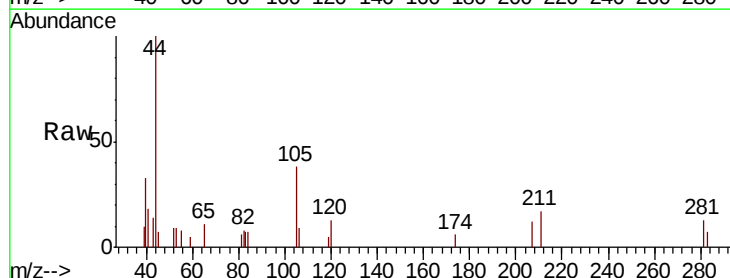
Acq: 2 Aug 2018 7:35

Tgt Ion: 105 Resp: 1104

Ion Ratio Lower Upper

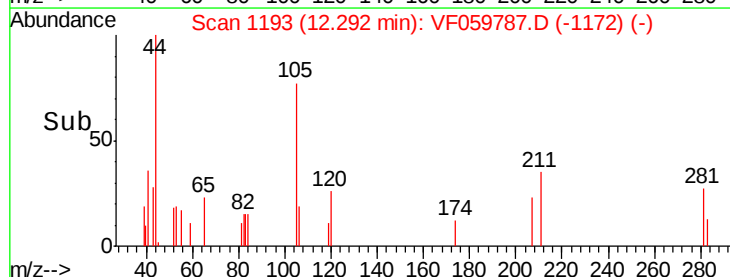
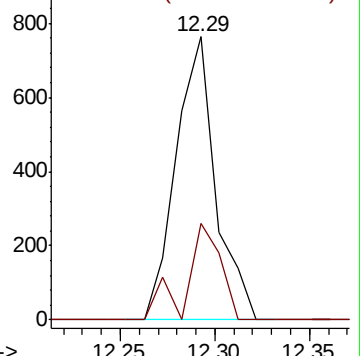
105 100

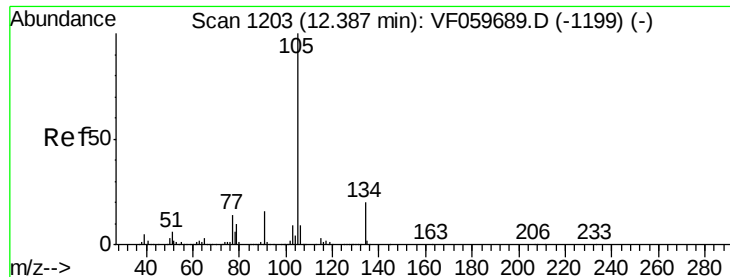
120 33.9 21.1 63.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

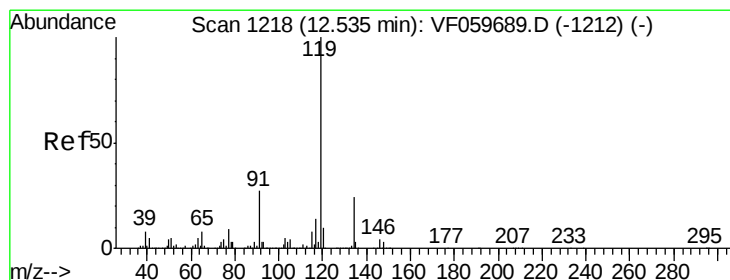
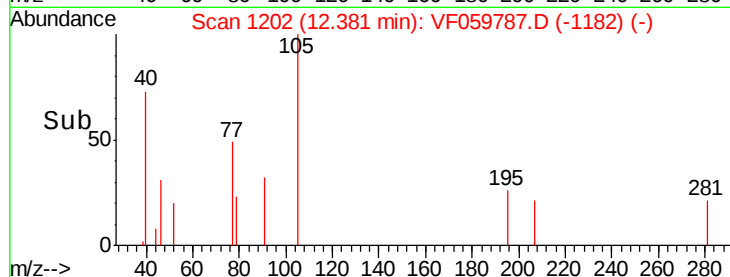
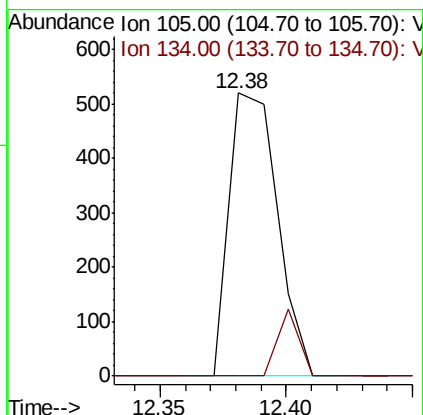
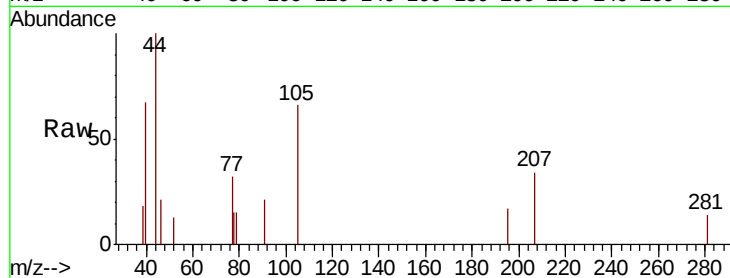




#85
 sec-Butylbenzene
 Concen: Below Cal
 RT: 12.38 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: VF059787.D
 Acq: 2 Aug 2018 7:35

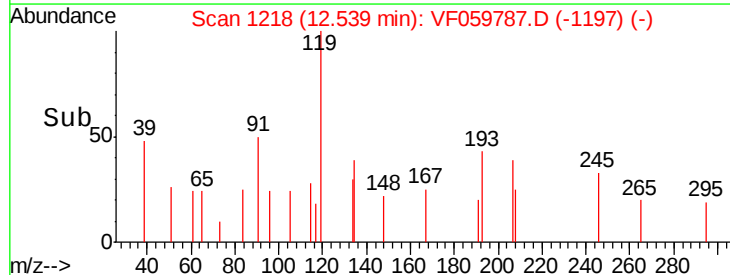
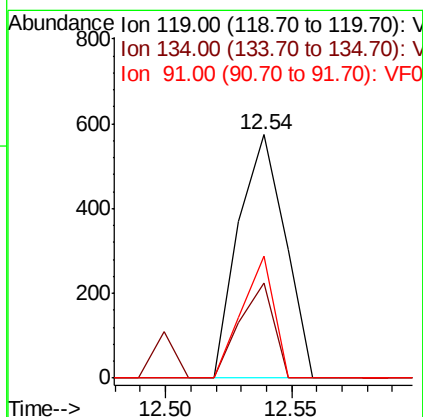
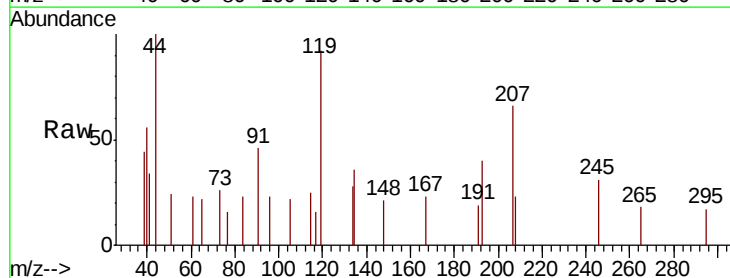
Instrument :
 MSVOA_F
 ClientSampleId :
 OILY-STONE-CONCRETE

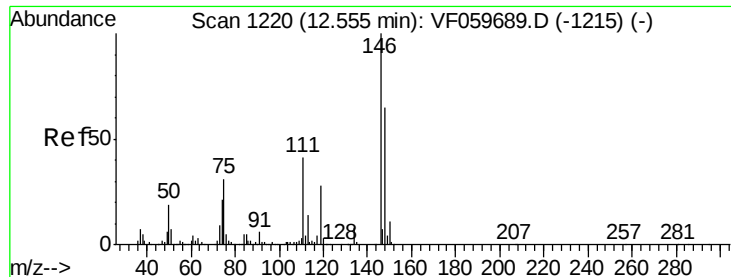
Tgt Ion:105 Resp: 693
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.8 29.3#



#86
 p-Isopropyltoluene
 Concen: Below Cal
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VF059787.D
 Acq: 2 Aug 2018 7:35

Tgt Ion:119 Resp: 737
 Ion Ratio Lower Upper
 119 100
 134 39.0 12.2 36.6#
 91 50.0 13.4 40.2#





#87

1,3-Dichlorobenzene

Concen: Below Cal

RT: 12.56 min Scan# 1220

Delta R.T. 0.00 min

Lab File: VF059787.D

Acq: 2 Aug 2018 7:35

Instrument :

MSVOA_F

ClientSampleId :

OILY-STONE-CONCRETE

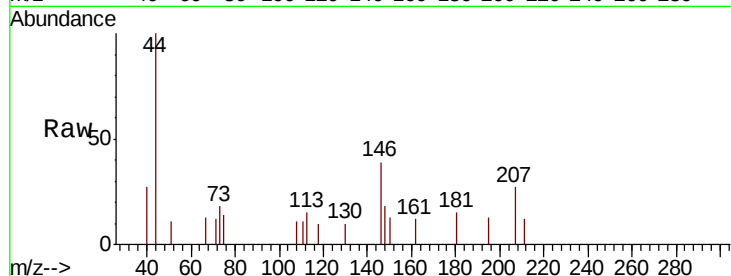
Tgt Ion:146 Resp: 496

Ion Ratio Lower Upper

146 100

111 27.5 20.7 62.1

148 47.8 32.3 96.8

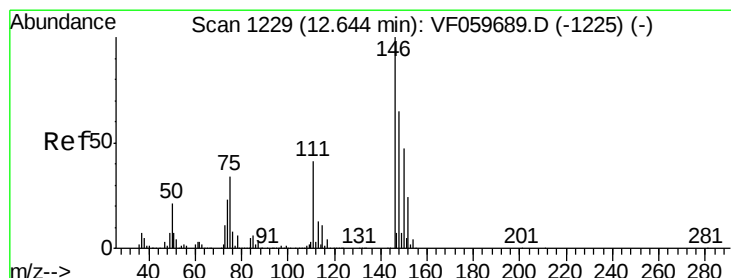
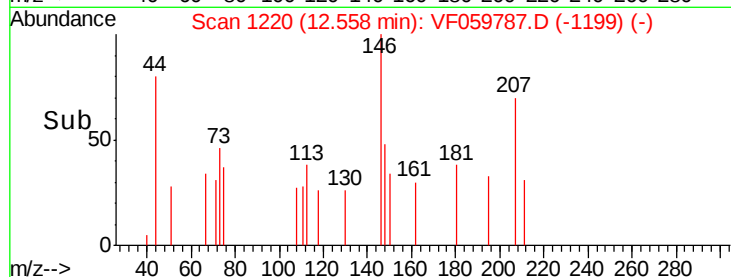
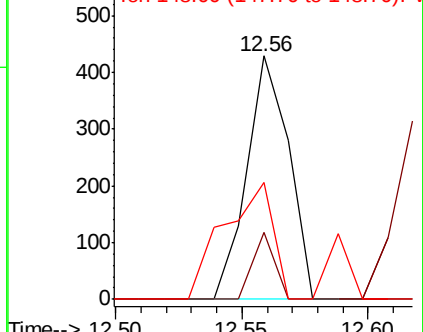


Abundance

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



#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 12.56 min Scan# 1220

Delta R.T. -0.08 min

Lab File: VF059787.D

Acq: 2 Aug 2018 7:35

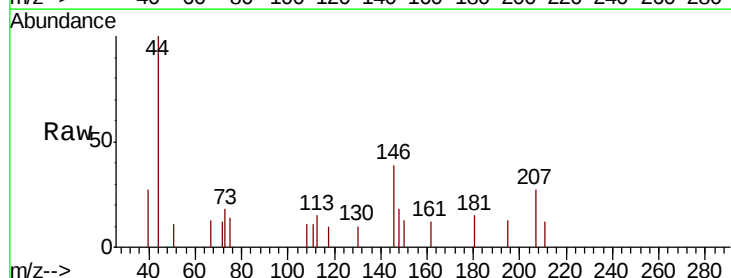
Tgt Ion:146 Resp: 496

Ion Ratio Lower Upper

146 100

111 27.5 20.8 62.2

148 47.8 32.3 96.9

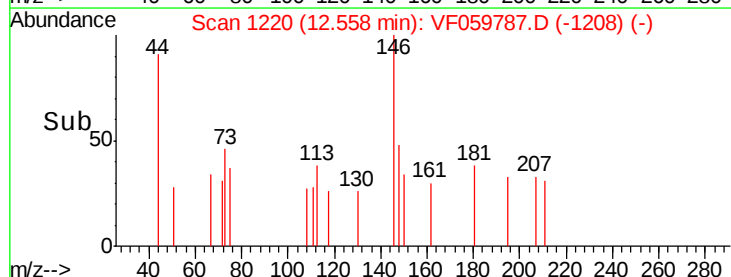
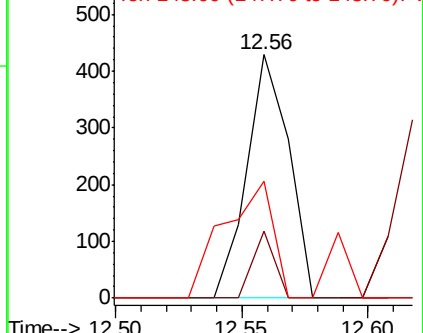


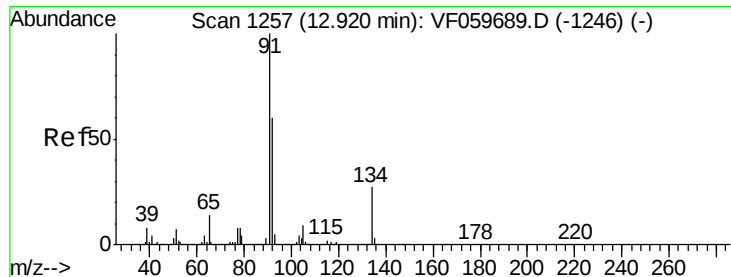
Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

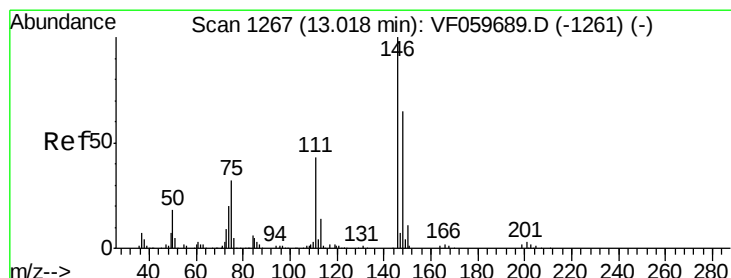
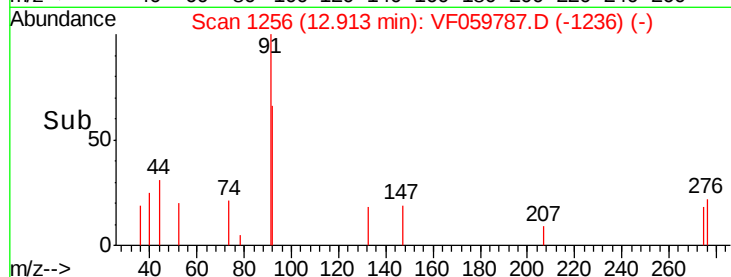
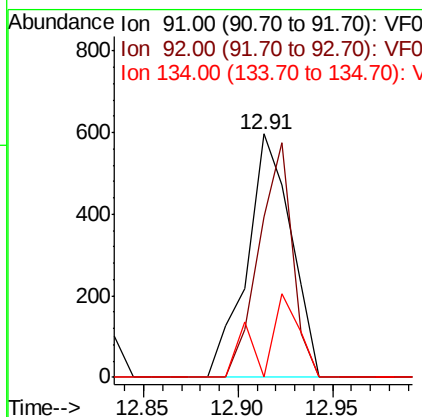
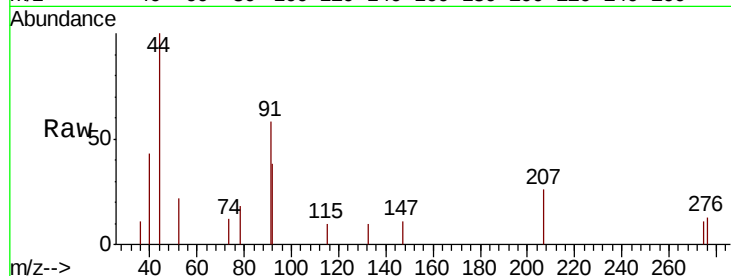




#89
n-Butylbenzene
Concen: Below Cal
RT: 12.91 min Scan# 1256
Delta R.T. -0.01 min
Lab File: VF059787.D
Acq: 2 Aug 2018 7:35

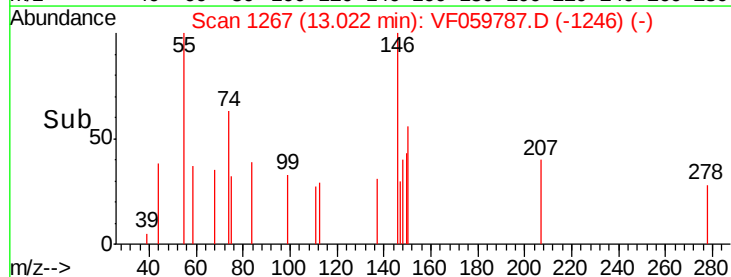
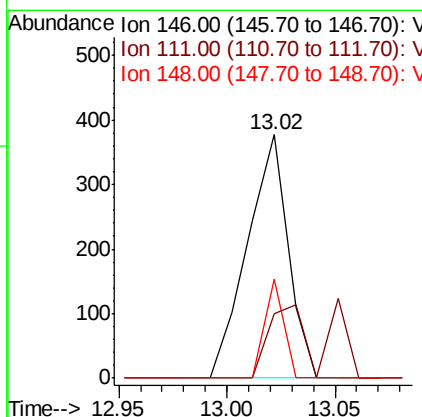
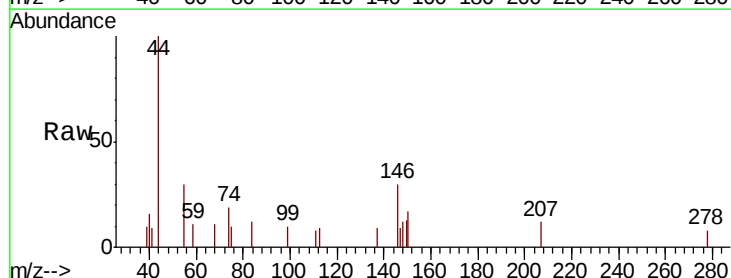
Instrument :
MSVOA_F
ClientSampleId :
OILY-STONE-CONCRETE

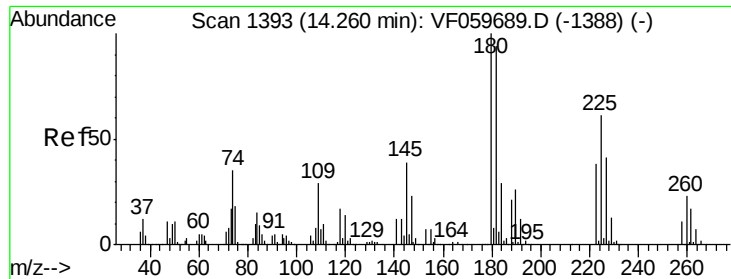
Tgt Ion: 91 Resp: 972
Ion Ratio Lower Upper
91 100
92 65.8 30.1 90.3
134 0.0 13.7 41.0#



#91
1,2-Dichlorobenzene
Concen: Below Cal
RT: 13.02 min Scan# 1267
Delta R.T. 0.00 min
Lab File: VF059787.D
Acq: 2 Aug 2018 7:35

Tgt Ion: 146 Resp: 493
Ion Ratio Lower Upper
146 100
111 26.8 21.6 65.0
148 40.6 32.3 96.9





#93
 1,2,4-Trichlorobenzene
 Concen: Below Cal
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059787.D
 Acq: 2 Aug 2018 7:35

Instrument :
 MSVOA_F
 ClientSampleId :
 OILY-STONE-CONCRETE

Tgt Ion	Ratio	Lower	Upper
180	100		
182	87.7	47.2	141.6
145	30.5	19.3	57.9

