

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080318\
 Data File : VF059853.D
 Acq On : 3 Aug 2018 21:52
 Operator : VA/AP
 Sample : J4285-13RE
 Misc : 3.40g/5mL/MSVOA F/SOIL
 ALS Vial : 97 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 KG-PIT-4RE

Quant Time: Aug 04 03:19:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 15:23:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	123926	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	171698	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	82914	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	15155	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	115958	52.06	ug/l	0.00
Spiked Amount			Recovery	=	104.12%	
35) Dibromofluoromethane	4.28	113	103650	58.12	ug/l	0.00
Spiked Amount			Recovery	=	116.24%	
50) Toluene-d8	7.71	98	126824	30.50	ug/l	0.00
Spiked Amount			Recovery	=	61.00%	
62) 4-Bromofluorobenzene	11.51	95	19702	8.56	ug/l	0.00
Spiked Amount			Recovery	=	17.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.99	85	124	Below Cal	#	1
3) Chloromethane	1.10	50	480	Below Cal	#	47
4) Vinyl Chloride	1.14	62	67	Below Cal	#	47
5) Bromomethane	1.34	94	610	Below Cal	#	4
6) Chloroethane	1.28	64	417	Below Cal		87
10) Methyl Iodide	1.96	142	130	Below Cal	#	1
11) Tert butyl alcohol	2.68	59	289	1.77	ug/l	# 1
13) Acrolein	2.16	56	386	23.74	ug/l	# 91
15) Acrylonitrile	3.08	53	668	4.70	ug/l	# 37
16) Acetone	2.33	43	6287	15.69	ug/l	# 97
17) Carbon Disulfide	1.84	76	25268	8.26	ug/l	# 91
18) Methyl Acetate	2.47	43	2274	Below Cal		95
20) Methylene Chloride	2.26	84	8379	2.90	ug/l	# 76
21) trans-1,2-Dichloroethene	2.36	96	72	Below Cal	#	1
25) 2-Butanone	4.50	43	660	1.48	ug/l	# 74
28) Bromochloromethane	3.88	49	91	Below Cal	#	15
29) Tetrahydrofuran	4.27	42	437	2.54	ug/l	# 54
31) Cyclohexane	3.84	56	64	Below Cal	#	1
36) 1,1-Dichloropropene	4.44	75	187	Below Cal	#	1
37) Ethyl Acetate	4.28	43	89	Below Cal	#	95
39) Methylcyclohexane	5.63	83	234	Below Cal	#	81
41) Methacrylonitrile	4.95	41	268	Below Cal	#	65
49) 1,4-Dioxane	6.85	88	124	Below Cal	#	21
52) Toluene	7.78	92	787	Below Cal	#	68
64) Tetrachloroethene	8.29	164	215	Below Cal	#	15
68) m/p-Xylenes	10.27	106	304	Below Cal	#	27
78) n-propylbenzene	11.69	91	397	Below Cal	#	54
79) 2-Chlorotoluene	11.81	91	66	Below Cal	#	44
80) 1,3,5-Trimethylbenzene	11.90	105	465	Below Cal	#	31
81) trans-1,4-Dichloro-2-buten	11.97	75	150	2.28	ug/l	# 36
82) 4-Chlorotoluene	11.99	91	71	Below Cal	#	44
84) 1,2,4-Trimethylbenzene	12.28	105	680	Below Cal		80
85) sec-Butylbenzene	12.39	105	70	Below Cal	#	57
86) p-Isopropyltoluene	12.53	119	125	Below Cal	#	49

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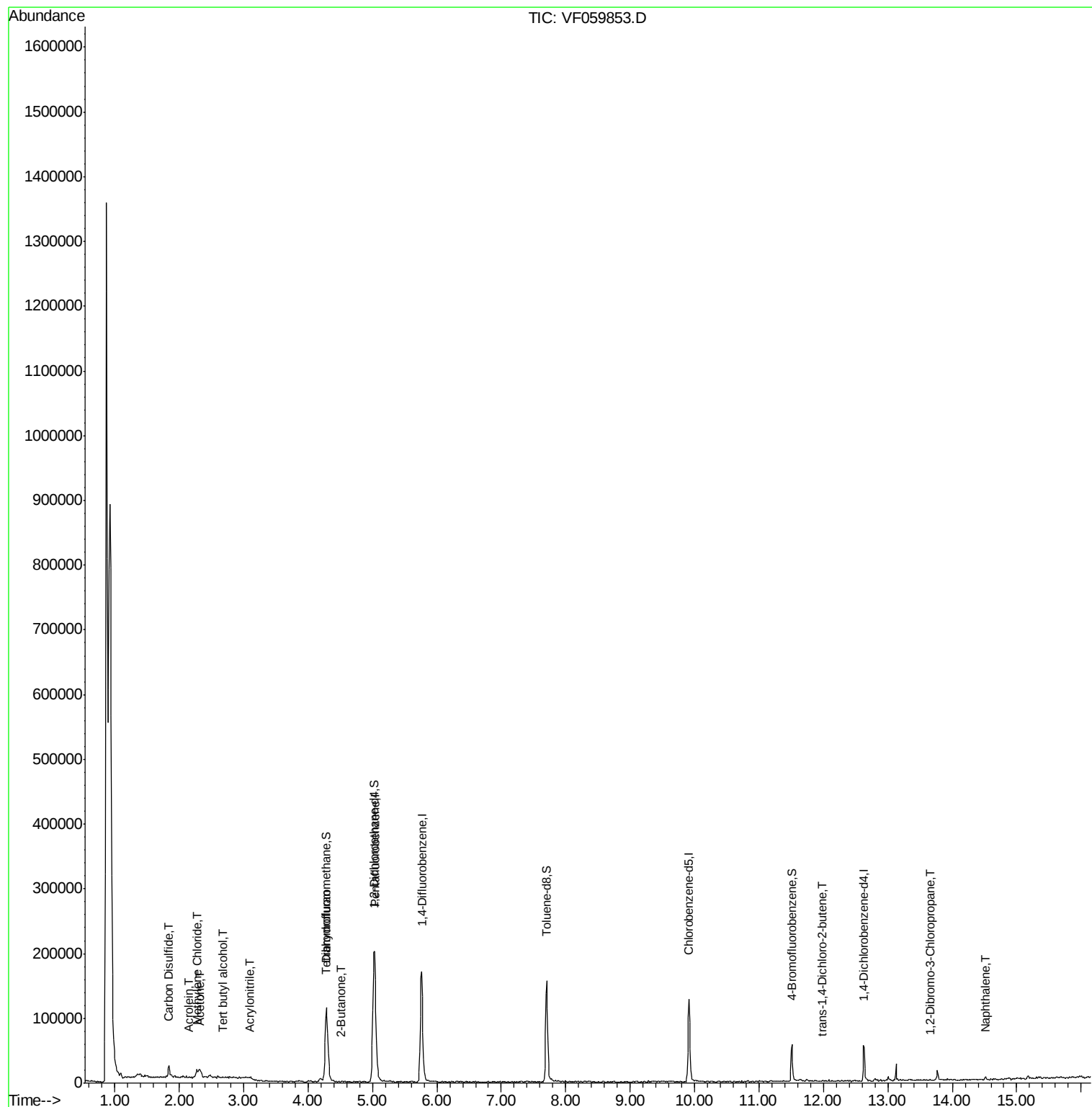
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
87) 1,3-Dichlorobenzene	12.55	146	166	Below Cal	#	24
88) 1,4-Dichlorobenzene	12.64	146	106	Below Cal	#	24
89) n-Butylbenzene	12.91	91	160	Below Cal	#	29
91) 1,2-Dichlorobenzene	13.03	146	61	Below Cal	#	24
92) 1,2-Dibromo-3-Chloropropan	13.64	75	80	1.75 ug/l	#	9
93) 1,2,4-Trichlorobenzene	14.26	180	174	Below Cal	#	12
95) Naphthalene	14.53	128	1592	2.44 ug/l	#	84

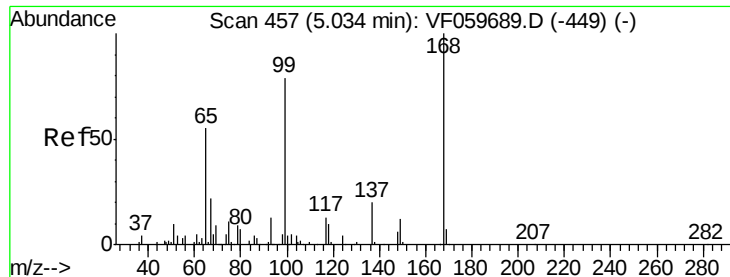
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VF059853.D

Acq: 3 Aug 2018 21:52

Instrument :

MSVOA_F

ClientSampleId :

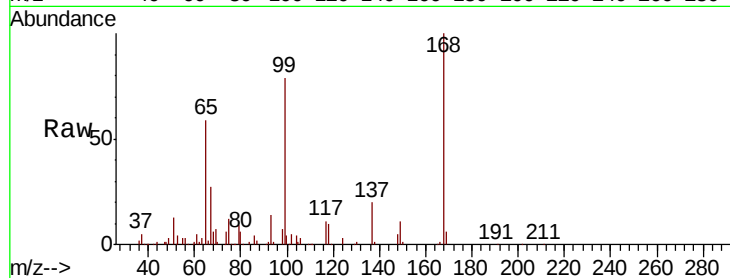
KG-PIT-4RE

Tot Ion:168 Resp: 123926

Ion Ratio Lower Upper

168 100

99 78.8 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

40000

30000

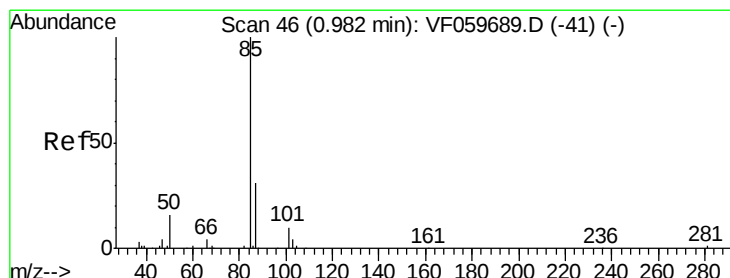
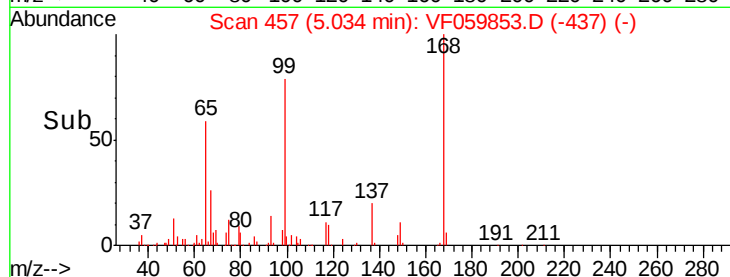
20000

10000

0

4.90 5.00 5.10 5.20

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 0.99 min Scan# 47

Delta R.T. 0.01 min

Lab File: VF059853.D

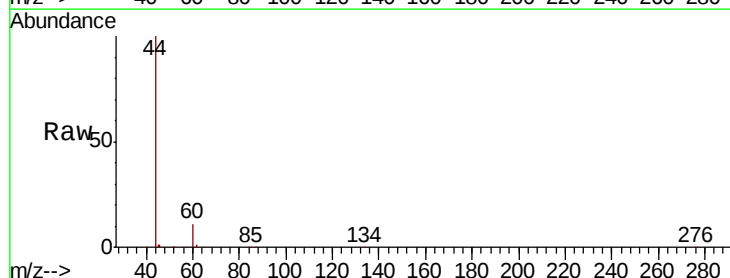
Acq: 3 Aug 2018 21:52

Tgt Ion: 85 Resp: 124

Ion Ratio Lower Upper

85 100

87 127.3 15.3 45.8#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.99

150

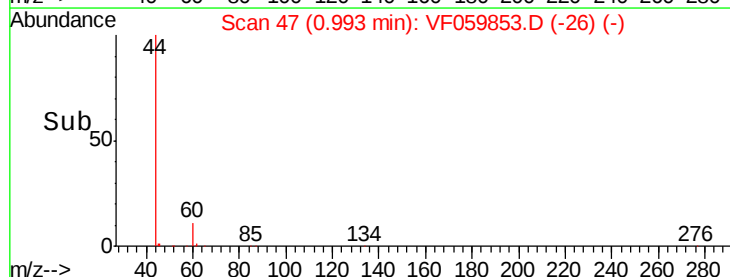
100

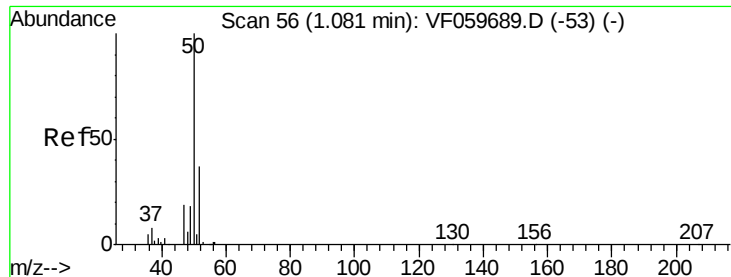
50

0

0.95 1.00

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 1.10 min Scan# 58

Delta R.T. 0.02 min

Lab File: VF059853.D

Acq: 3 Aug 2018 21:52

Instrument :

MSVOA_F

ClientSampleId :

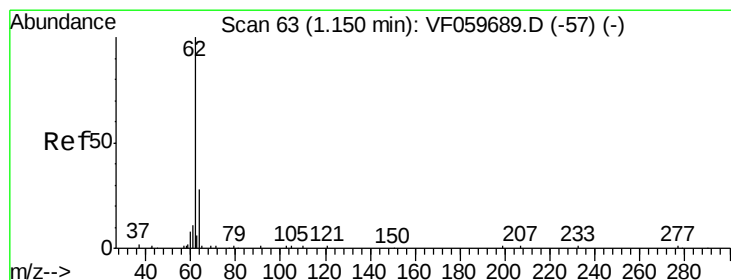
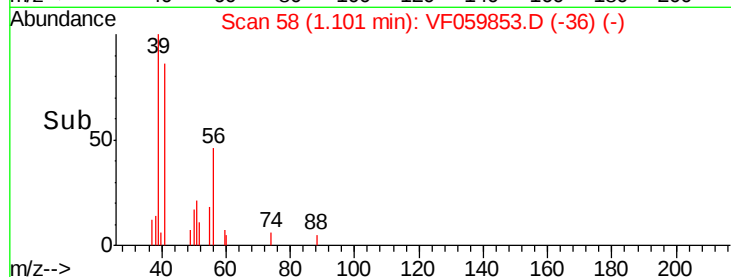
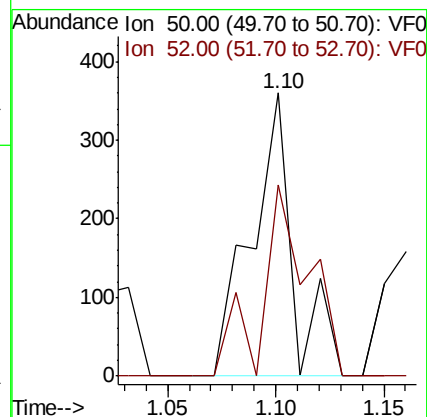
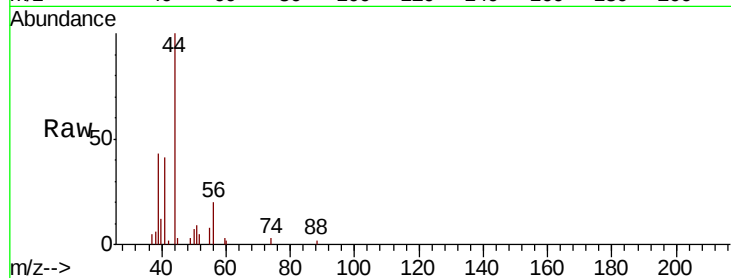
KG-PIT-4RE

Tot Ion: 50 Resp: 480

Ion Ratio Lower Upper

50 100

52 67.5 29.1 43.7#



#4

Vinyl Chloride

Concen: Below Cal

RT: 1.14 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF059853.D

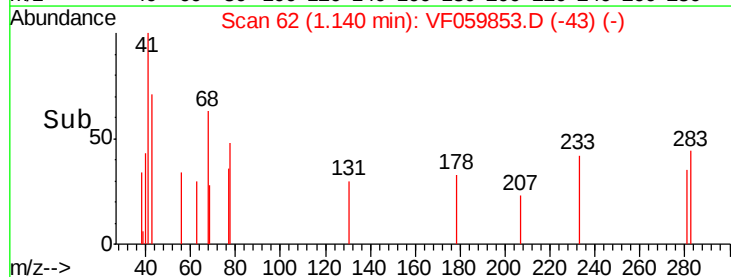
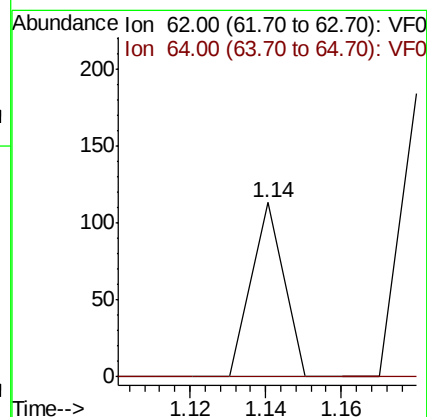
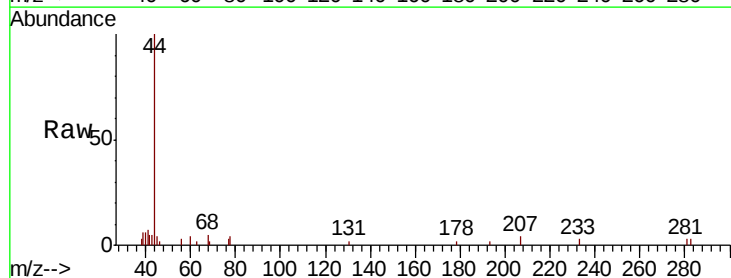
Acq: 3 Aug 2018 21:52

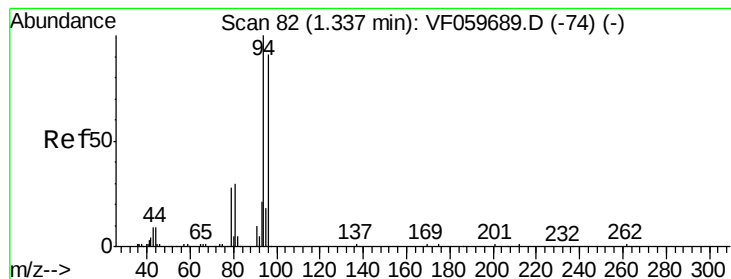
Tgt Ion: 62 Resp: 67

Ion Ratio Lower Upper

62 100

64 0.0 22.6 33.8#





#5

Bromomethane

Concen: Below Cal

RT: 1.34 min Scan# 82

Delta R.T. 0.00 min

Lab File: VF059853.D

Acq: 3 Aug 2018 21:52

Instrument :

MSVOA_F

ClientSampleId :

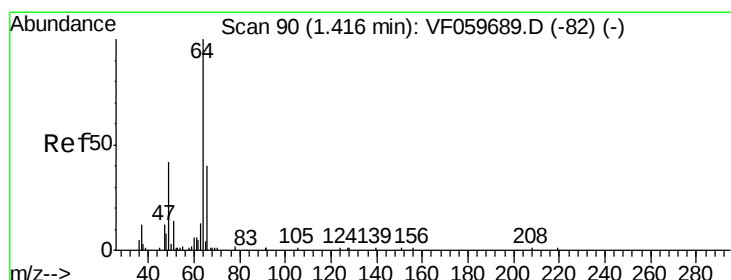
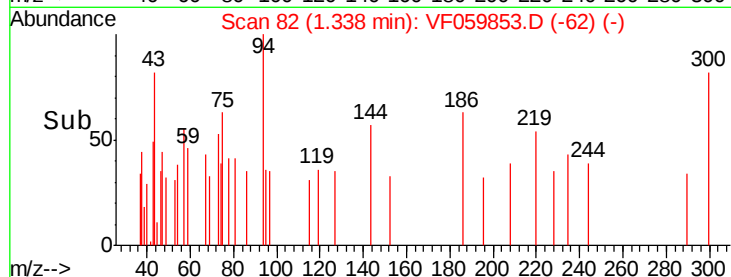
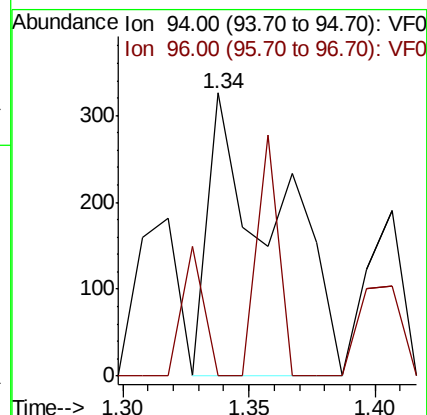
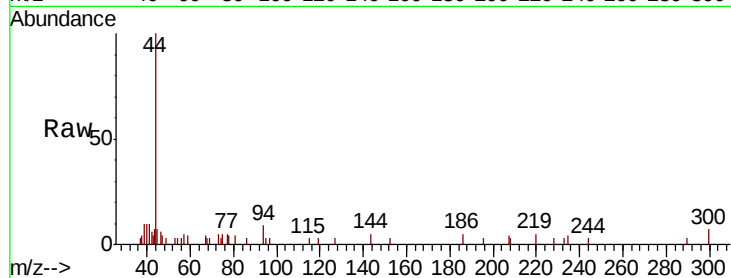
KG-PIT-4RE

Tot Ion: 94 Resp: 610

Ion Ratio Lower Upper

94 100

96 0.0 73.6 110.4#



#6

Chloroethane

Concen: Below Cal

RT: 1.28 min Scan# 76

Delta R.T. -0.14 min

Lab File: VF059853.D

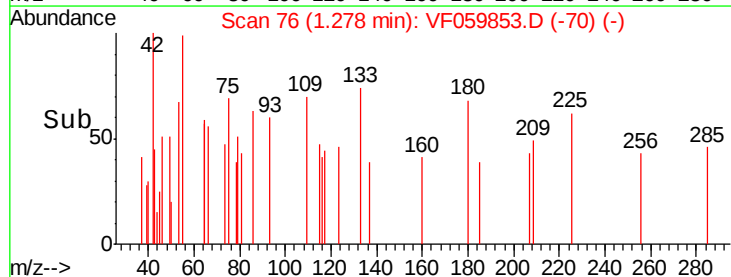
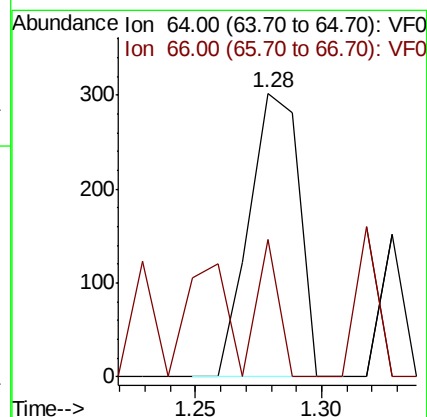
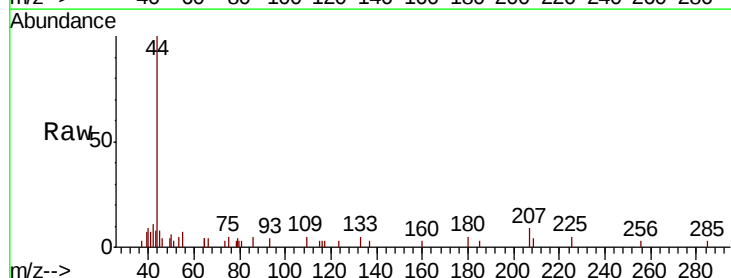
Acq: 3 Aug 2018 21:52

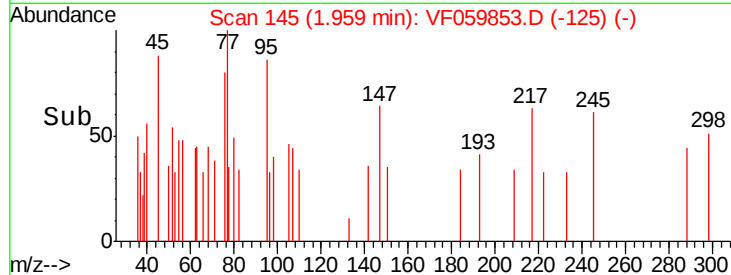
Tgt Ion: 64 Resp: 417

Ion Ratio Lower Upper

64 100

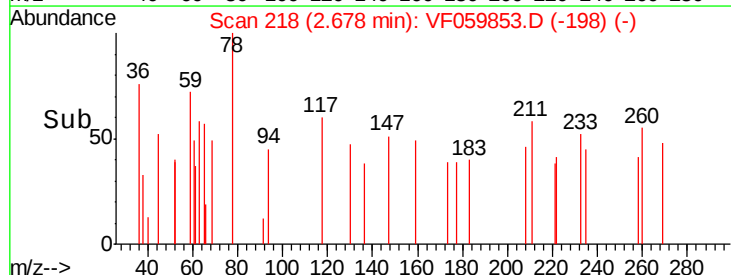
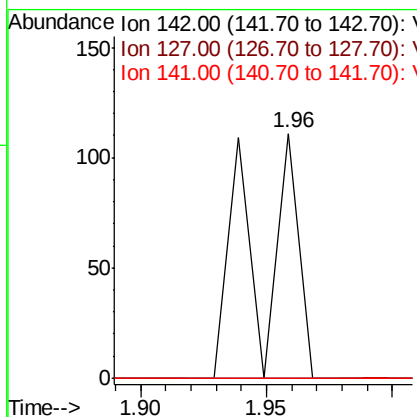
66 48.7 32.6 49.0



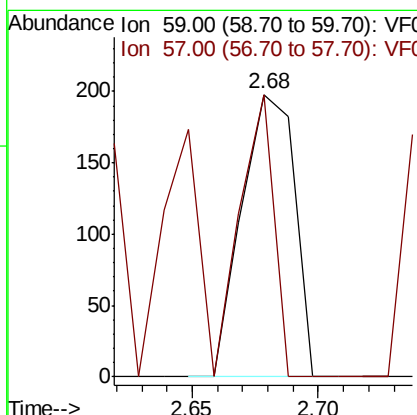


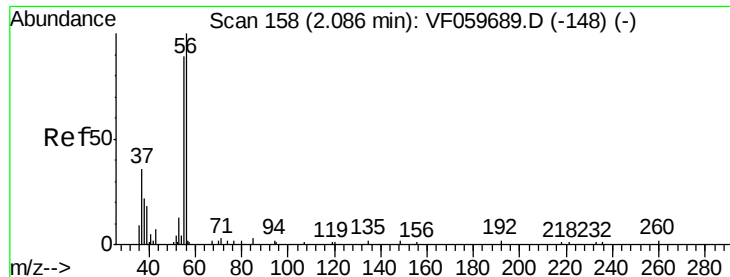
Instrument :
MSVOA_F
ClientSampleId :
KG-PIT-4RE

Tot	Ion:142	Resp:	130
Ion	Ratio	Lower	Upper
142	100		
127	0.0	60.6	91.0#
141	100.0	12.0	18.0#



Tgt	Ion: 59	Resp:	289
Ion	Ratio	Lower	Upper
59	100		
57	100.0	7.6	11.4#





#13

Acrolein

Concen: 23.74 ug/l

RT: 2.16 min Scan# 165

Delta R.T. 0.07 min

Lab File: VF059853.D

Acq: 3 Aug 2018 21:52

Instrument :

MSVOA_F

ClientSampleId :

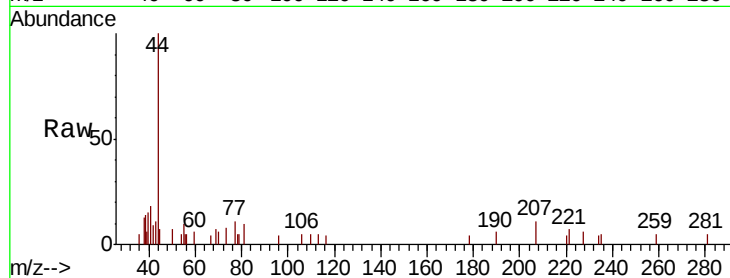
KG-PIT-4RE

Tot Ion: 56 Resp: 386

Ion Ratio Lower Upper

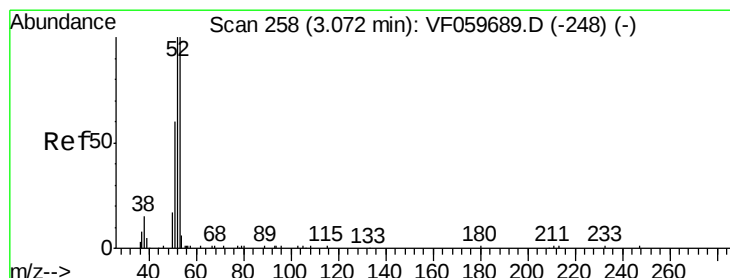
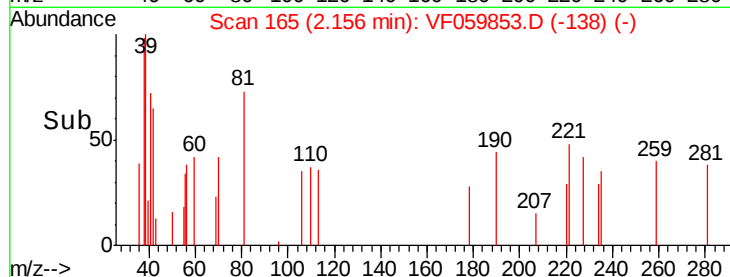
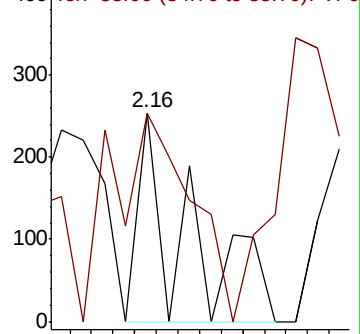
56 100

55 100.0 73.2 109.8



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#15

Acrylonitrile

Concen: 4.70 ug/l

RT: 3.08 min Scan# 259

Delta R.T. 0.01 min

Lab File: VF059853.D

Acq: 3 Aug 2018 21:52

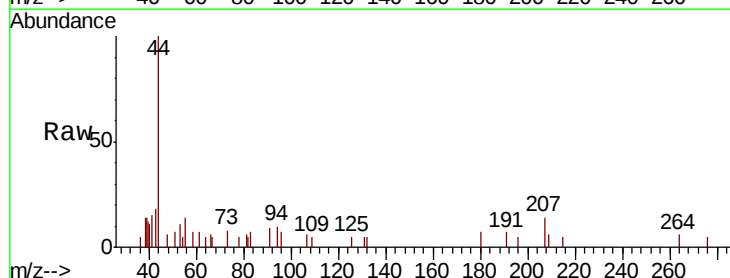
Tgt Ion: 53 Resp: 668

Ion Ratio Lower Upper

53 100

52 0.0 80.3 120.5#

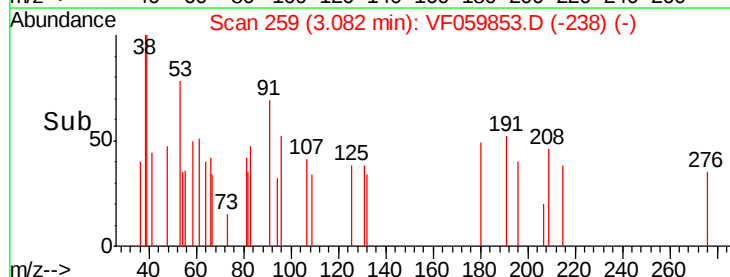
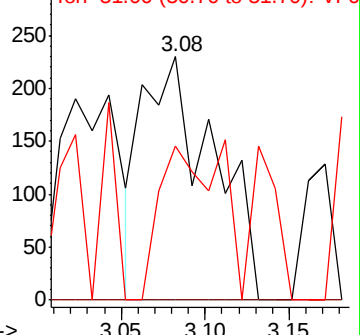
51 63.5 49.4 74.0

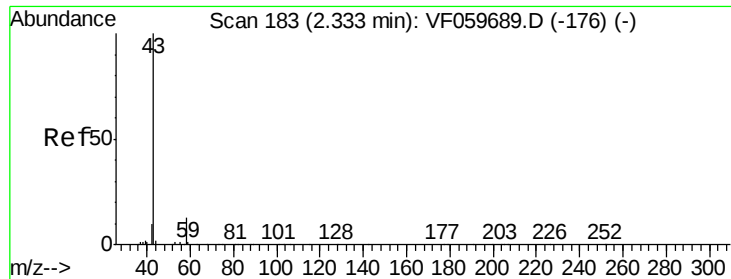


Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0





#16

Acetone

Concen: 15.69 ug/l

RT: 2.33 min Scan# 183

Delta R.T. 0.00 min

Lab File: VF059853.D

Acq: 3 Aug 2018 21:52

Instrument :

MSVOA_F

ClientSampleId :

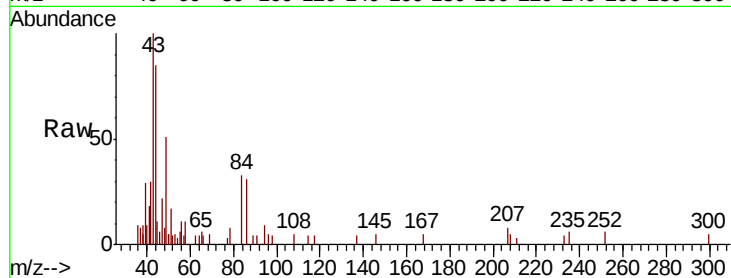
KG-PIT-4RE

Tot Ion: 43 Resp: 6287

Ion Ratio Lower Upper

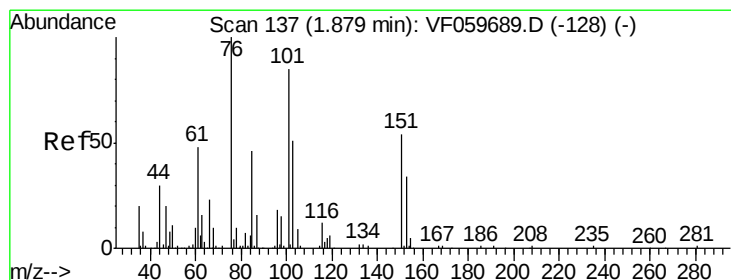
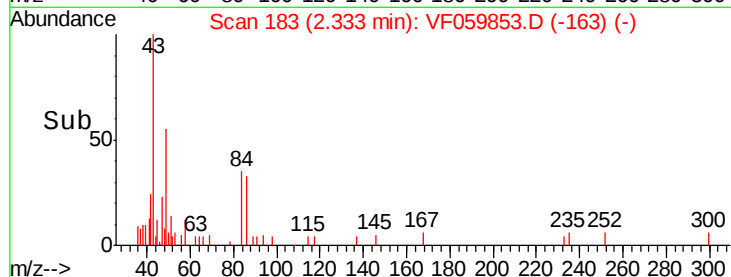
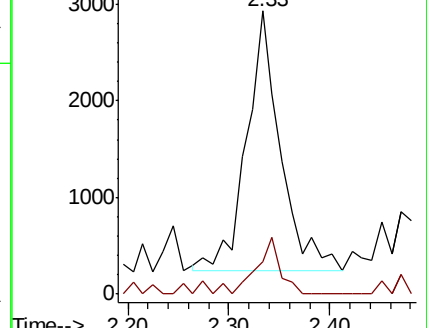
43 100

58 11.4 10.1 15.1



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#17

Carbon Disulfide

Concen: 8.26 ug/l

RT: 1.84 min Scan# 133

Delta R.T. -0.04 min

Lab File: VF059853.D

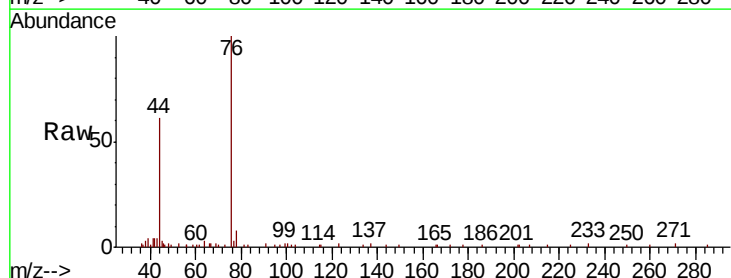
Acq: 3 Aug 2018 21:52

Tgt Ion: 76 Resp: 25268

Ion Ratio Lower Upper

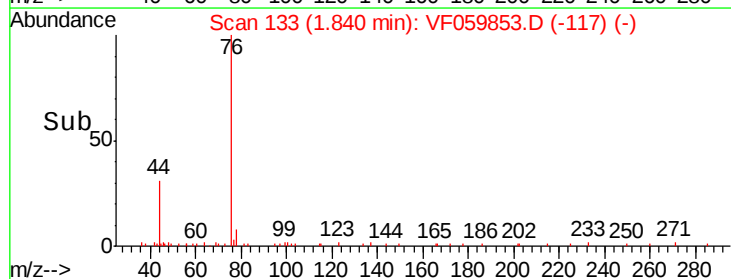
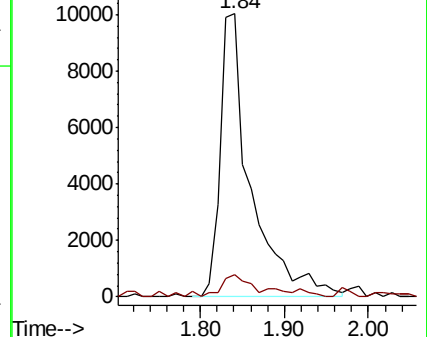
76 100

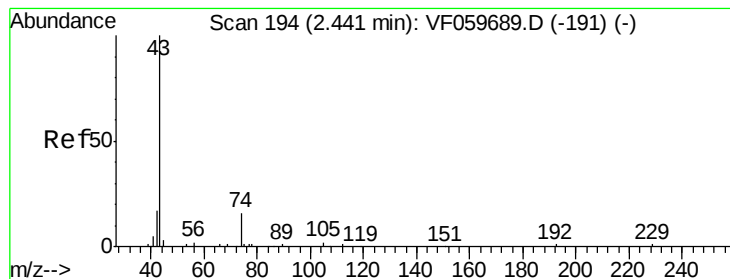
78 7.7 8.9 13.3#



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0





#18

Methyl Acetate

Concen: Below Cal

RT: 2.47 min Scan# 197

Delta R.T. 0.03 min

Lab File: VF059853.D

Acq: 3 Aug 2018 21:52

Instrument :

MSVOA_F

ClientSampleId :

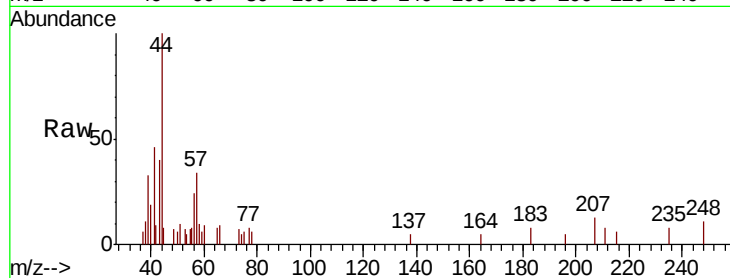
KG-PIT-4RE

Tot Ion: 43 Resp: 2274

Ion Ratio Lower Upper

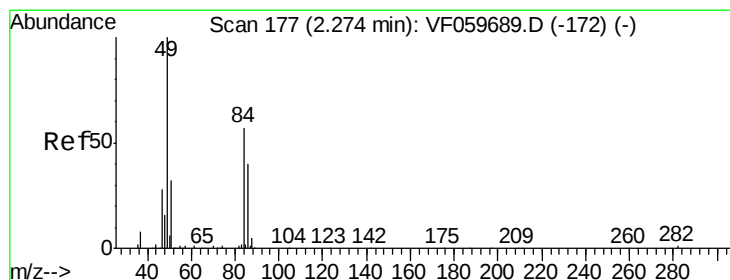
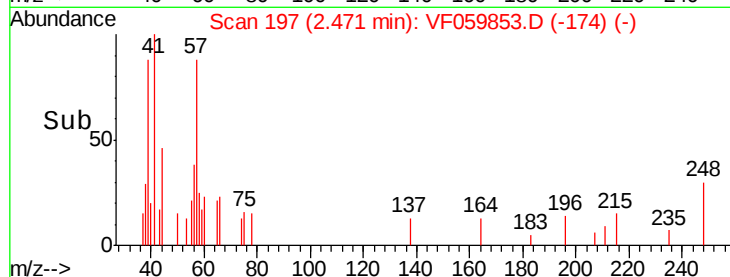
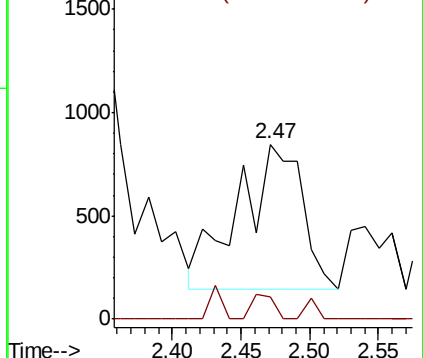
43 100

74 12.6 11.8 17.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0



#20

Methylene Chloride

Concen: 2.90 ug/l

RT: 2.26 min Scan# 176

Delta R.T. -0.01 min

Lab File: VF059853.D

Acq: 3 Aug 2018 21:52

Tgt Ion: 84 Resp: 8379

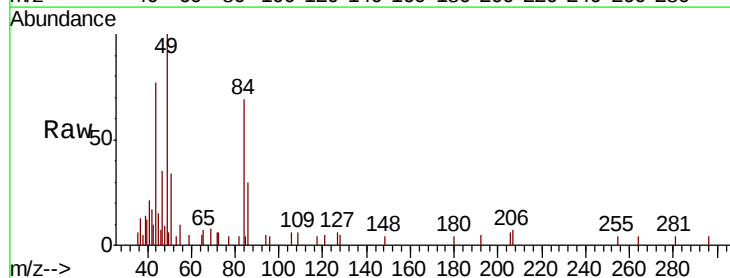
Ion Ratio Lower Upper

84 100

49 144.6 142.2 213.4

51 48.8 46.2 69.2

86 43.8 57.1 85.7#

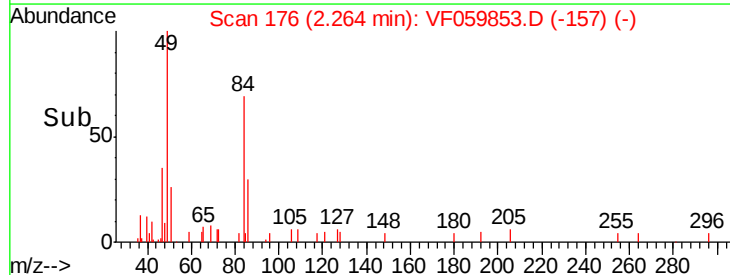
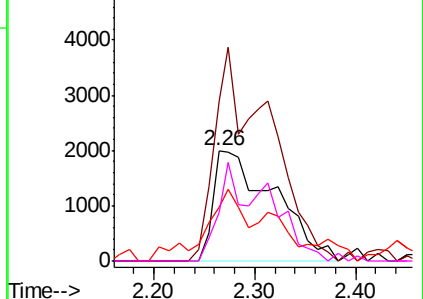


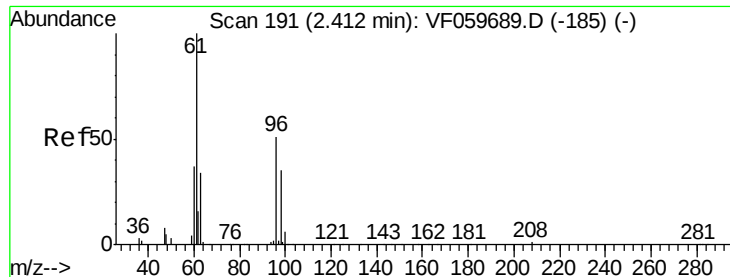
Abundance Ion 84.00 (83.70 to 84.70): VF0

Ion 49.00 (48.70 to 49.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

Ion 86.00 (85.70 to 86.70): VF0





#21

trans-1,2-Dichloroethene

Concen: Below Cal

RT: 2.36 min Scan# 186

Delta R.T. -0.05 min

Lab File: VF059853.D

Acq: 3 Aug 2018 21:52

Instrument :

MSVOA_F

ClientSampleId :

KG-PIT-4RE

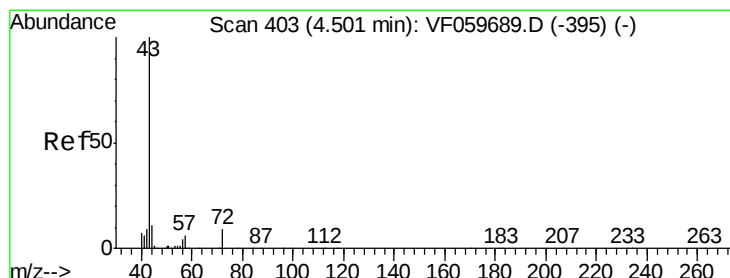
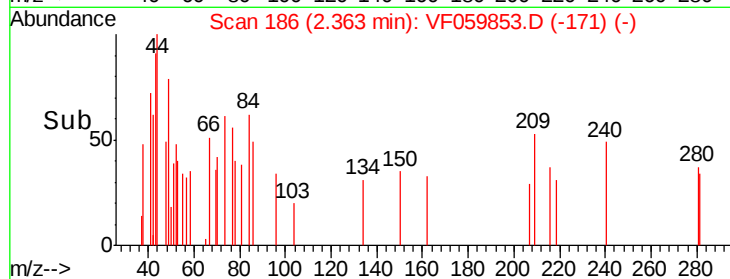
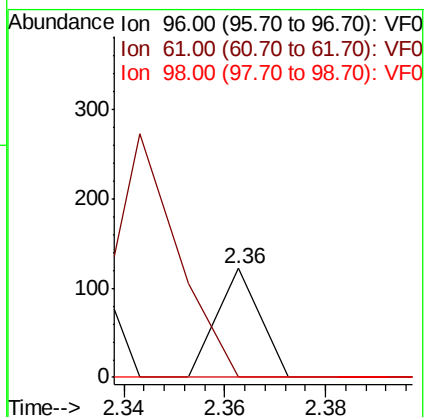
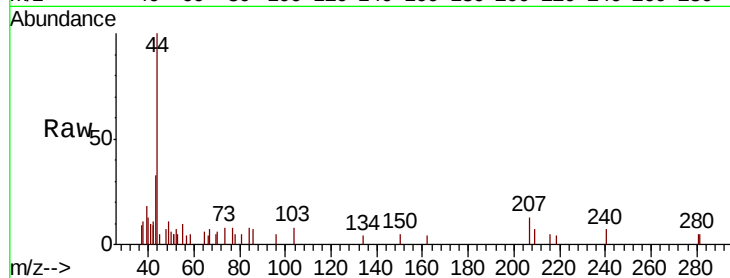
Tot Ion: 96 Resp: 72

Ion Ratio Lower Upper

96 100

61 0.0 157.4 236.0#

98 0.0 55.0 82.4#



#25

2-Butanone

Concen: 1.48 ug/l

RT: 4.50 min Scan# 403

Delta R.T. 0.00 min

Lab File: VF059853.D

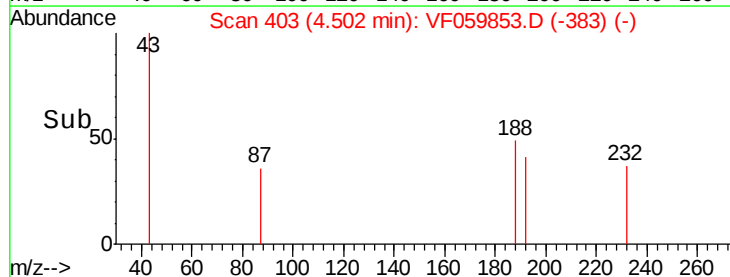
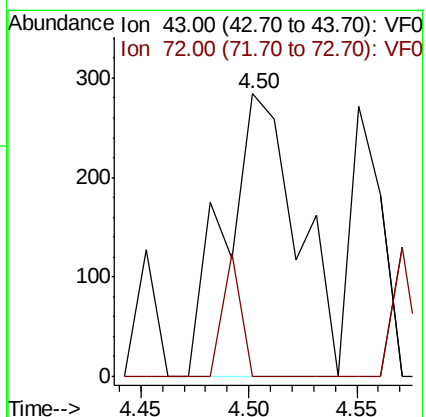
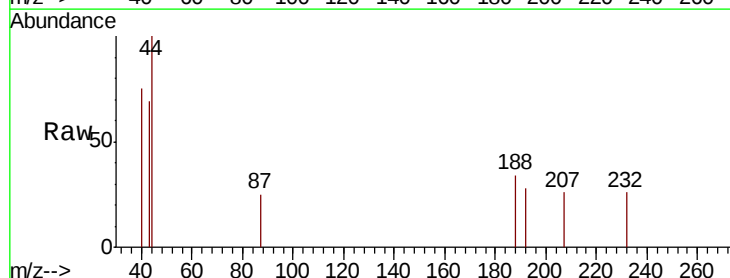
Acq: 3 Aug 2018 21:52

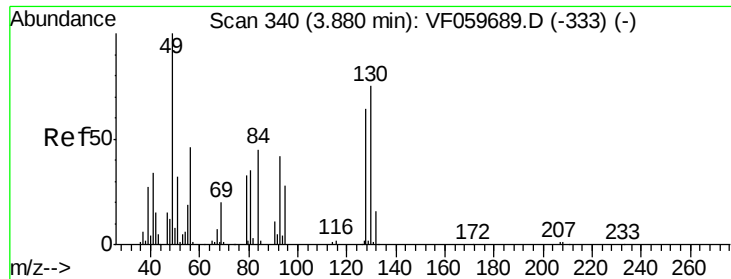
Tgt Ion: 43 Resp: 660

Ion Ratio Lower Upper

43 100

72 0.0 7.7 11.5#





#28

Bromochloromethane

Concen: Below Cal

RT: 3.88 min Scan# 340

Delta R.T. 0.00 min

Lab File: VF059853.D

Acq: 3 Aug 2018 21:52

Instrument :

MSVOA_F

ClientSampleId :

KG-PIT-4RE

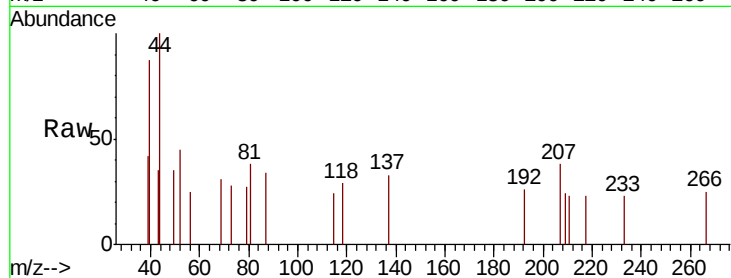
Tot Ion: 49 Resp: 91

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

3.88

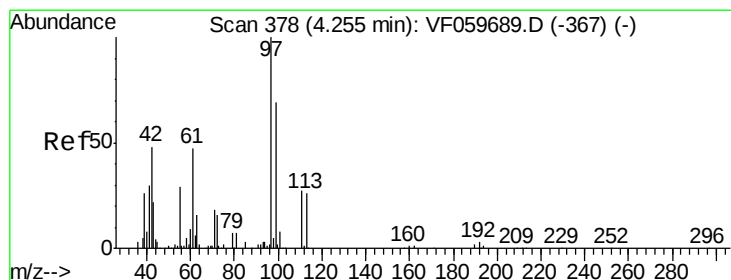
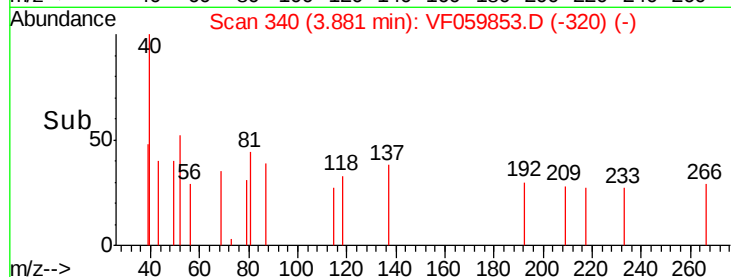
150

100

50

0

Time--> 3.86 3.88 3.90



#29

Tetrahydrofuran

Concen: 2.54 ug/l

RT: 4.27 min Scan# 379

Delta R.T. 0.01 min

Lab File: VF059853.D

Acq: 3 Aug 2018 21:52

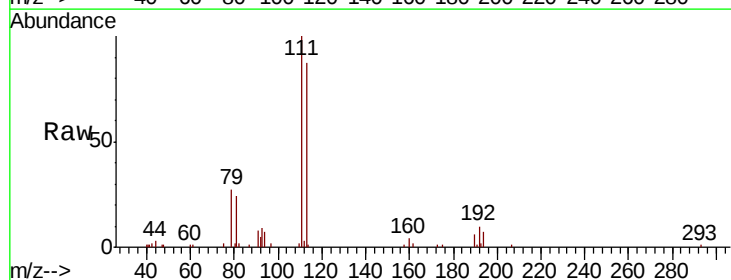
Tgt Ion: 42 Resp: 437

Ion Ratio Lower Upper

42 100

72 0.0 27.0 40.6#

71 16.9 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

4.27

400

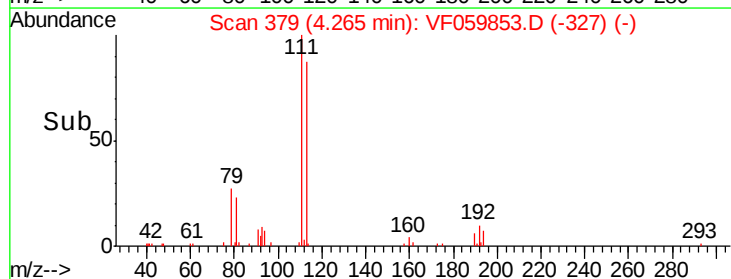
300

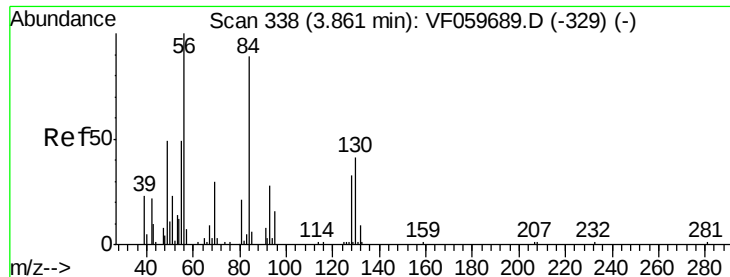
200

100

0

Time--> 4.20 4.25 4.30

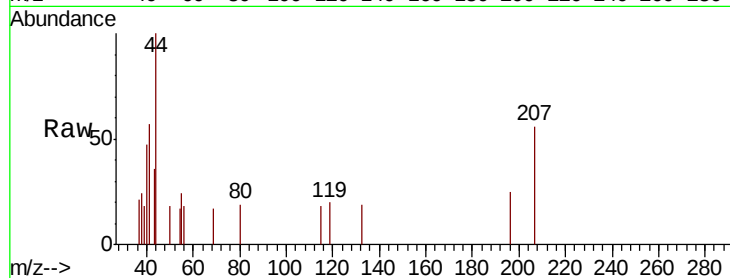




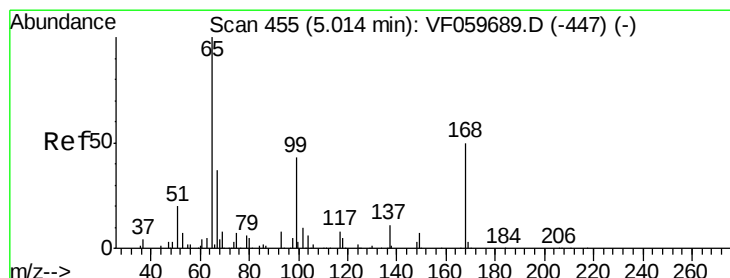
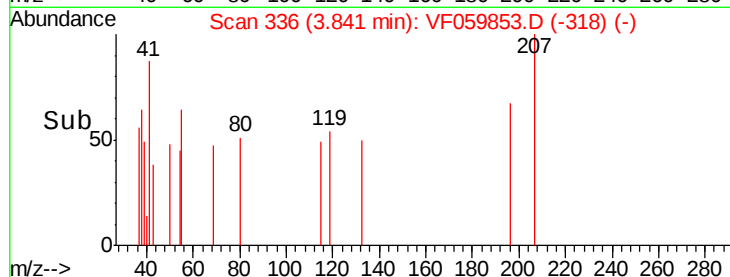
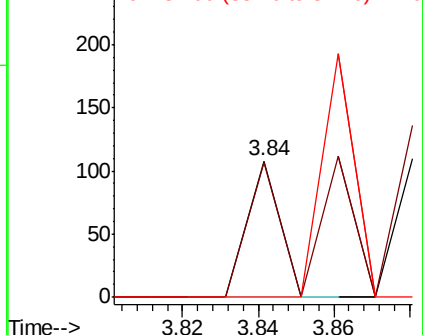
#31
Cyclohexane
Concen: Below Cal
RT: 3.84 min Scan# 336
Delta R.T. -0.02 min
Lab File: VF059853.D
Acq: 3 Aug 2018 21:52

Instrument :
MSVOA_F
ClientSampleId :
KG-PIT-4RE

Tot Ion: 56 Resp: 64
Ion Ratio Lower Upper
56 100
69 99.1 23.7 35.5#
84 0.0 71.1 106.7#

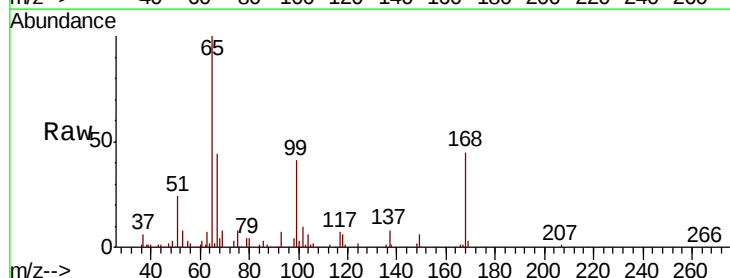


Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0

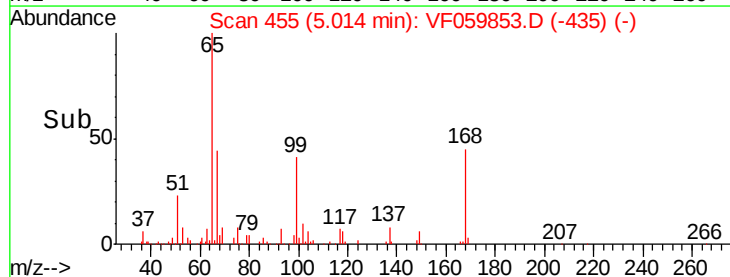
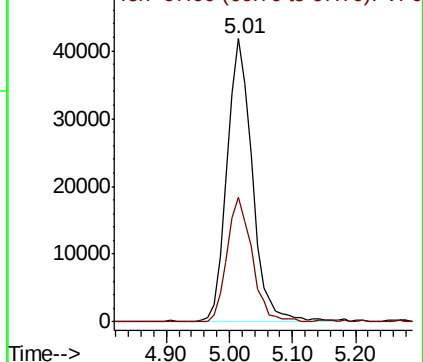


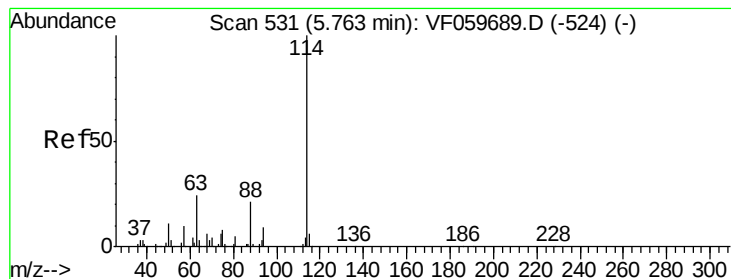
#33
1,2-Dichloroethane-d4
Concen: 52.06 ug/l
RT: 5.01 min Scan# 455
Delta R.T. 0.00 min
Lab File: VF059853.D
Acq: 3 Aug 2018 21:52

Tgt Ion: 65 Resp: 115958
Ion Ratio Lower Upper
65 100
67 44.2 0.0 84.6



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





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.76 min Scan# 531

Delta R.T. 0.00 min

Lab File: VF059853.D

Acq: 3 Aug 2018 21:52

Instrument :

MSVOA_F

ClientSampleId :

KG-PIT-4RE

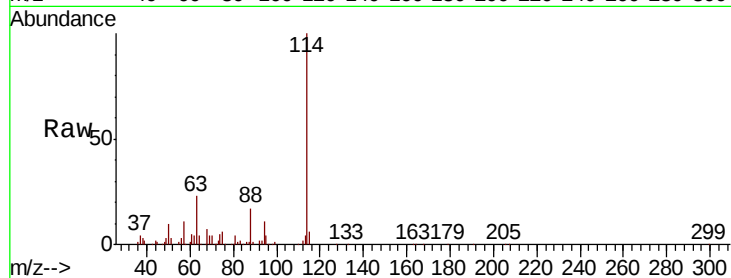
Tot Ion:114 Resp: 171698

Ion Ratio Lower Upper

114 100

63 23.2 0.0 47.4

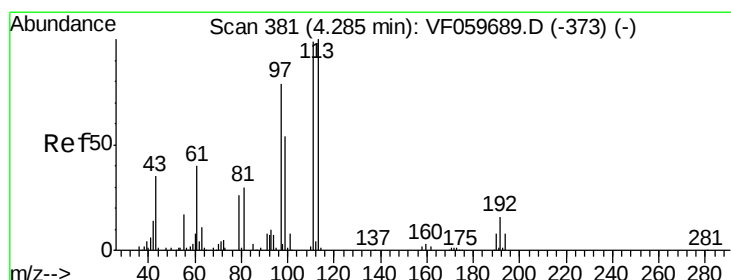
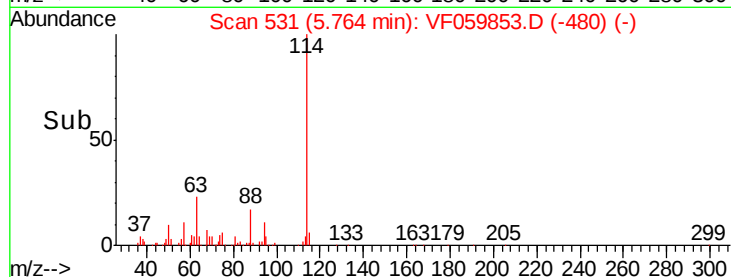
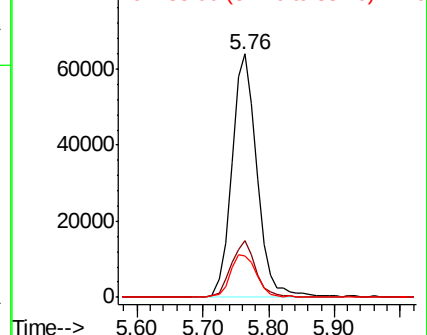
88 17.0 0.0 41.2



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0



#35

Dibromofluoromethane

Concen: 58.12 ug/l

RT: 4.28 min Scan# 381

Delta R.T. 0.00 min

Lab File: VF059853.D

Acq: 3 Aug 2018 21:52

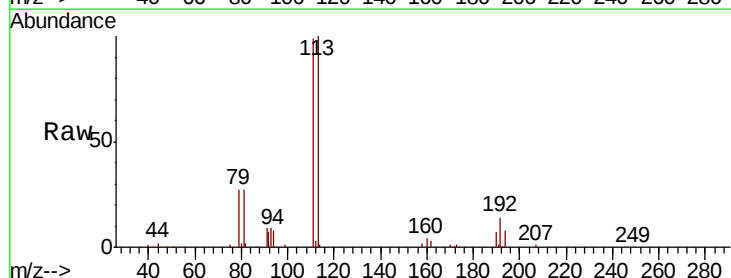
Tgt Ion:113 Resp: 103650

Ion Ratio Lower Upper

113 100

111 99.5 79.0 118.4

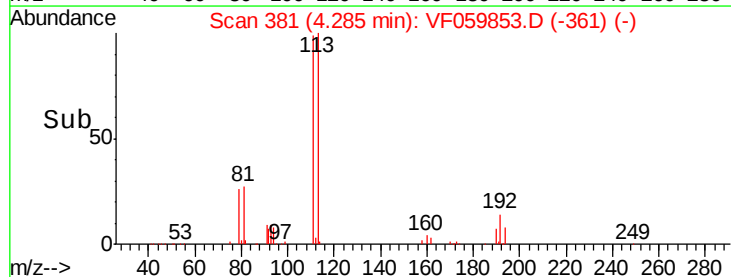
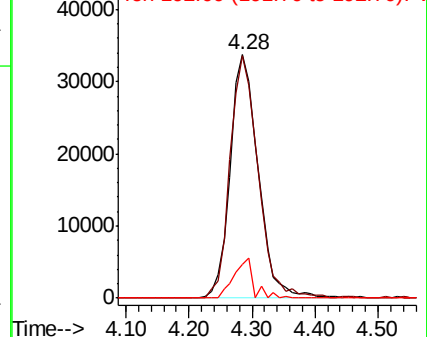
192 14.0 13.2 19.8

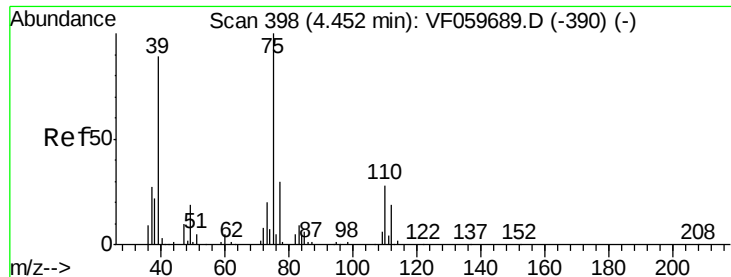


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

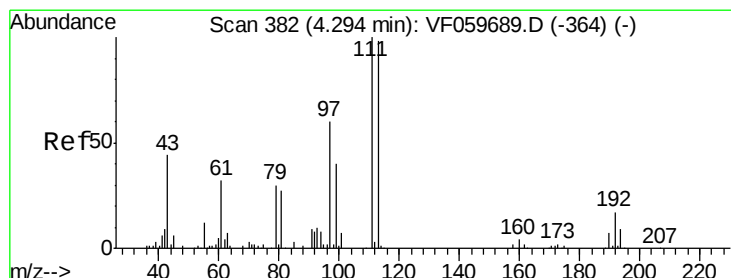
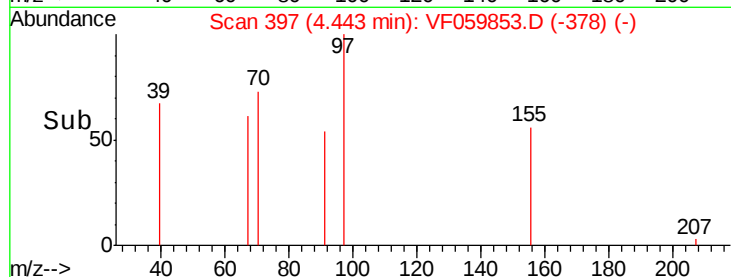
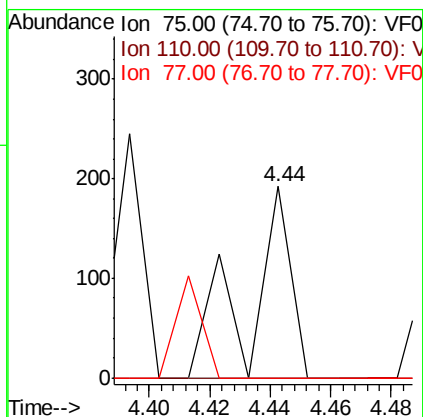
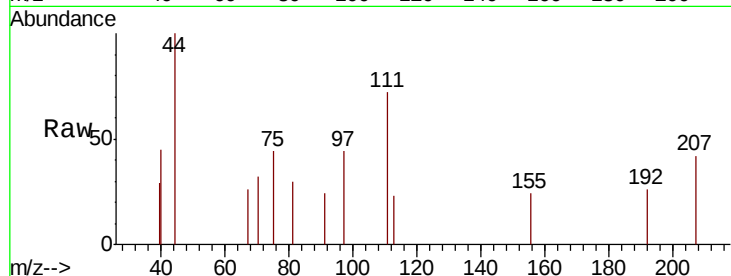




#36
1,1-Dichloropropene
Concen: Below Cal
RT: 4.44 min Scan# 397
Delta R.T. -0.01 min
Lab File: VF059853.D
Acq: 3 Aug 2018 21:52

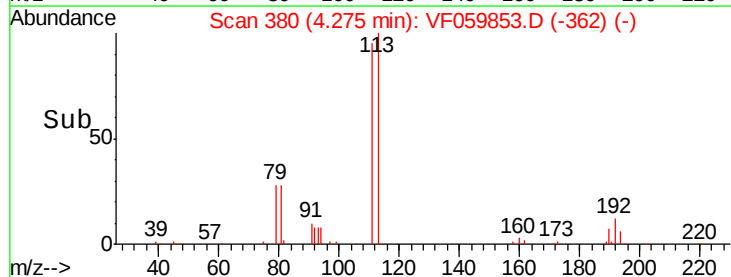
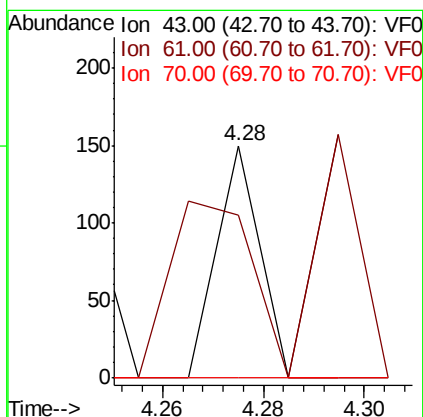
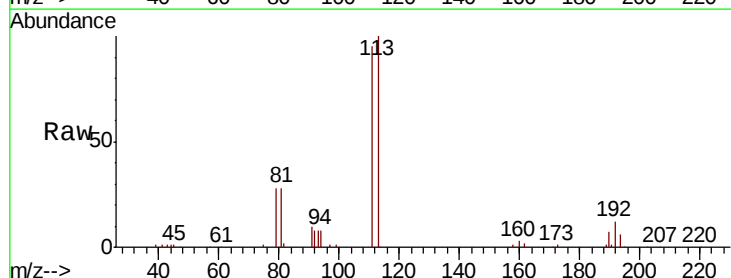
Instrument :
MSVOA_F
ClientSampleId :
KG-PIT-4RE

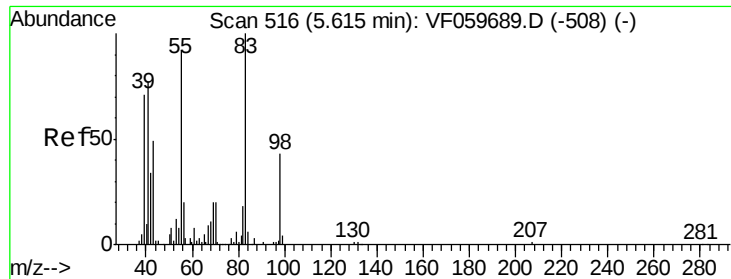
Tot Ion: 75 Resp: 187
Ion Ratio Lower Upper
75 100
110 164.1 14.0 41.9#
77 0.0 24.2 36.2#



#37
Ethyl Acetate
Concen: Below Cal
RT: 4.28 min Scan# 380
Delta R.T. -0.02 min
Lab File: VF059853.D
Acq: 3 Aug 2018 21:52

Tgt Ion: 43 Resp: 89
Ion Ratio Lower Upper
43 100
61 70.0 58.2 87.2
70 0.0 6.0 9.0#

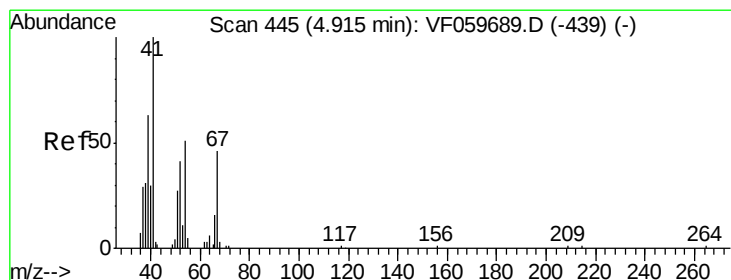
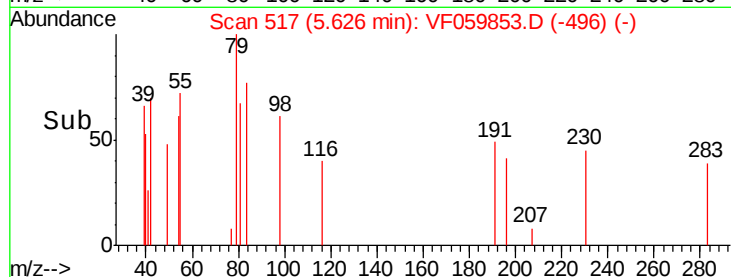
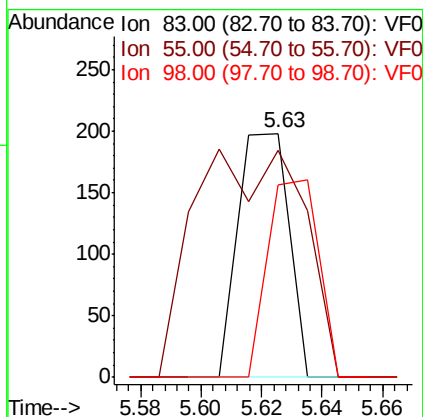
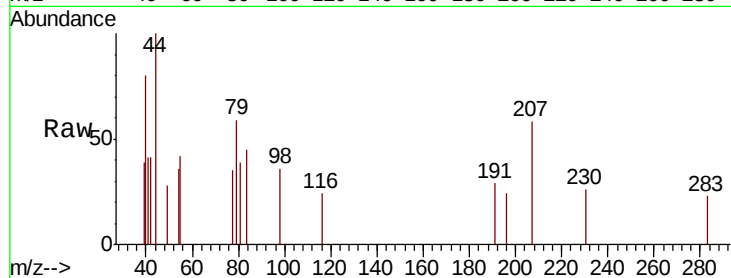




#39
Methylcyclohexane
Concen: Below Cal
RT: 5.63 min Scan# 517
Delta R.T. 0.01 min
Lab File: VF059853.D
Acq: 3 Aug 2018 21:52

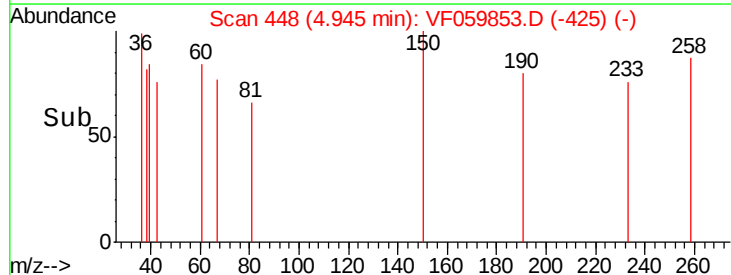
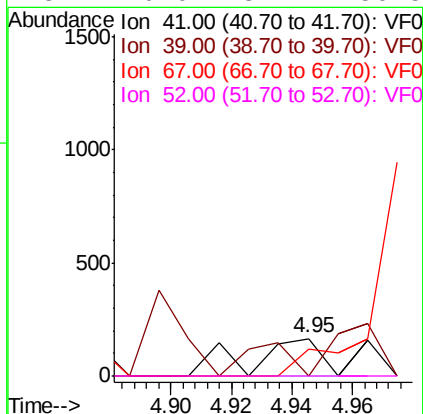
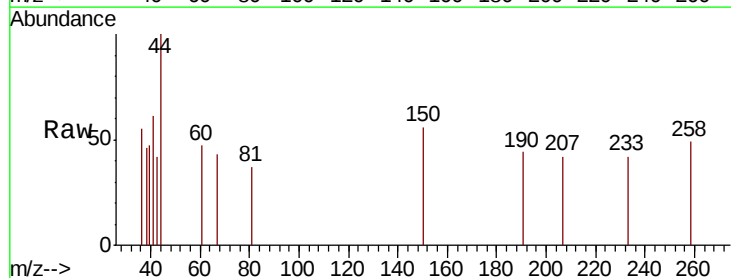
Instrument :
MSVOA_F
ClientSampleId :
KG-PIT-4RE

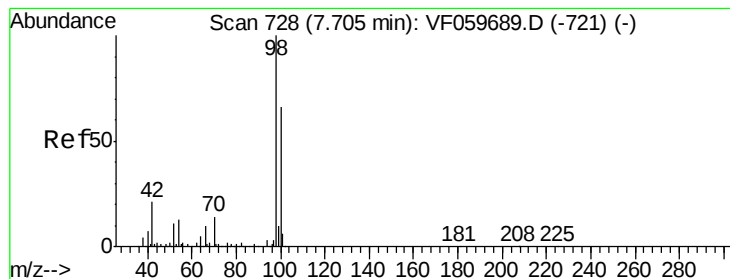
Tot Ion: 83 Resp: 234
Ion Ratio Lower Upper
83 100
55 92.9 73.4 110.2
98 78.8 34.2 51.4#



#41
Methacrylonitrile
Concen: Below Cal
RT: 4.95 min Scan# 448
Delta R.T. 0.03 min
Lab File: VF059853.D
Acq: 3 Aug 2018 21:52

Tgt Ion: 41 Resp: 268
Ion Ratio Lower Upper
41 100
39 76.6 55.2 82.8
67 70.1 36.2 54.2#
52 0.0 37.7 56.5#





#50

Toluene-d8

Concen: 30.50 ug/l

RT: 7.71 min Scan# 728

Delta R.T. 0.00 min

Lab File: VF059853.D

Acq: 3 Aug 2018 21:52

Instrument :

MSVOA_F

ClientSampleId :

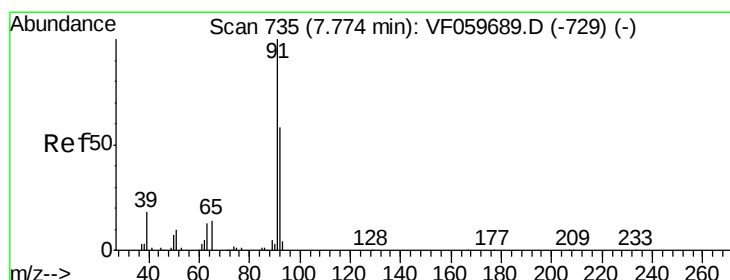
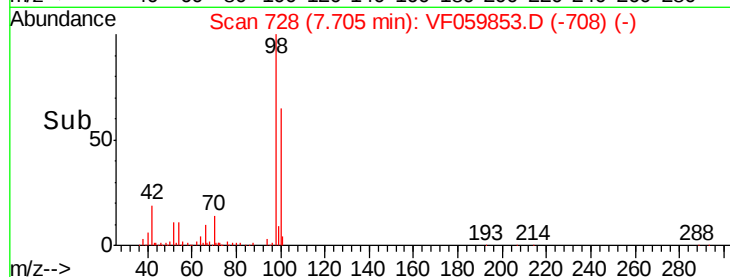
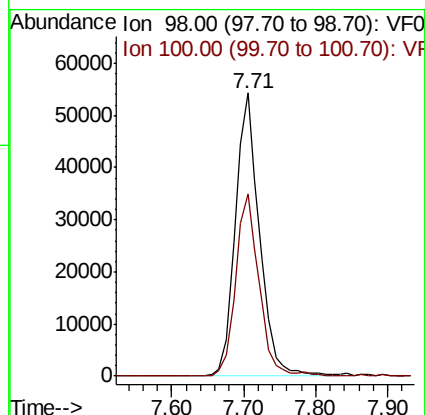
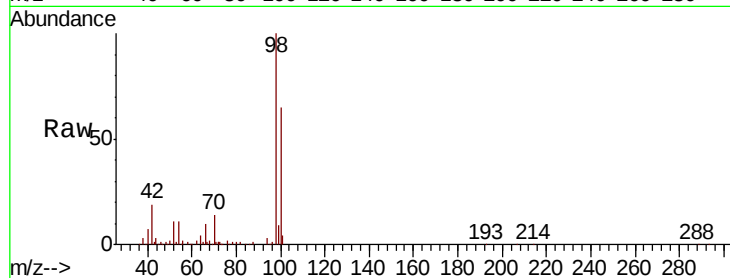
KG-PIT-4RE

Tot Ion: 98 Resp: 126824

Ion Ratio Lower Upper

98 100

100 64.5 52.8 79.2



#52

Toluene

Concen: Below Cal

RT: 7.78 min Scan# 736

Delta R.T. 0.01 min

Lab File: VF059853.D

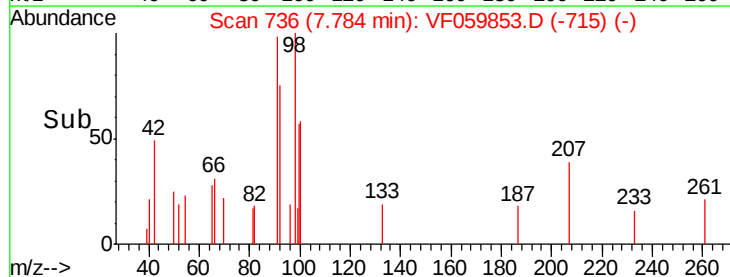
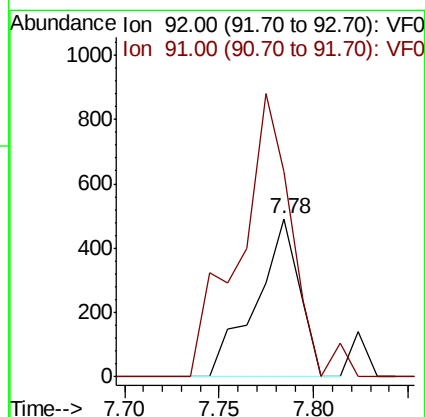
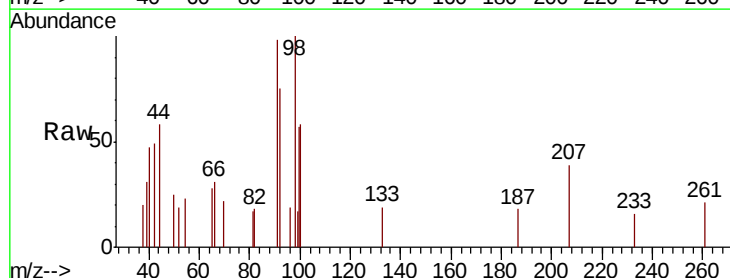
Acq: 3 Aug 2018 21:52

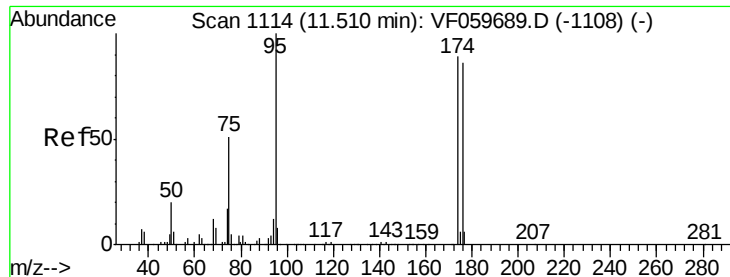
Tgt Ion: 92 Resp: 787

Ion Ratio Lower Upper

92 100

91 129.7 139.0 208.4#





#62

4-Bromofluorobenzene

Concen: 8.56 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VF059853.D

Acq: 3 Aug 2018 21:52

Instrument :

MSVOA_F

ClientSampled :

KG-PIT-4RE

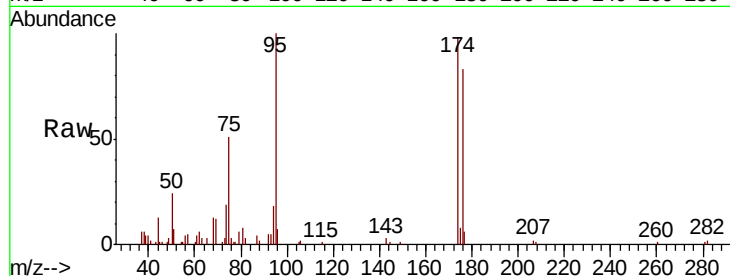
Tot Ion: 95 Resp: 19702

Ion Ratio Lower Upper

95 100

174 97.7 0.0 178.4

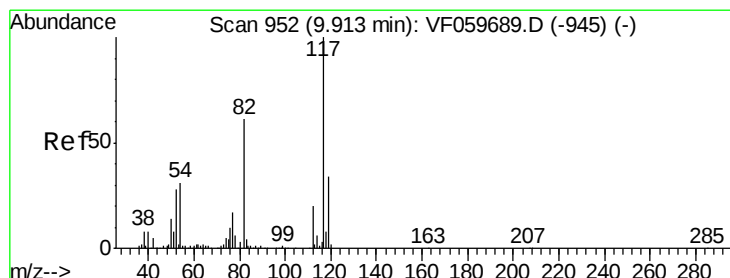
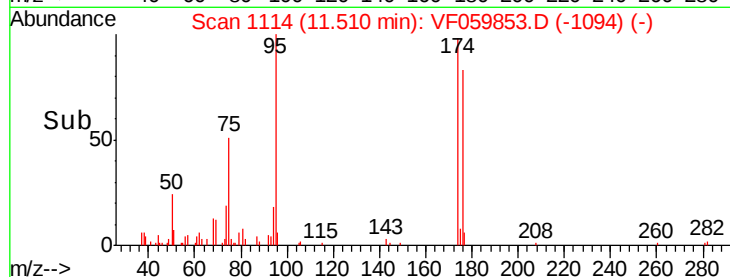
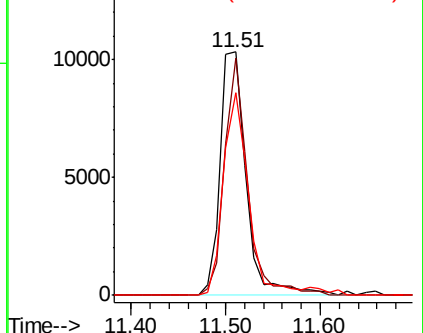
176 83.2 0.0 173.0



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: VF059853.D

Acq: 3 Aug 2018 21:52

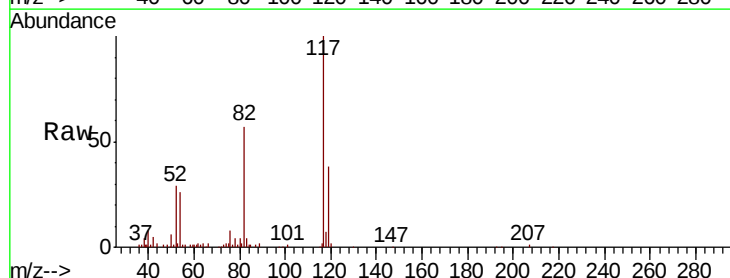
Tgt Ion: 117 Resp: 82914

Ion Ratio Lower Upper

117 100

82 57.4 49.0 73.4

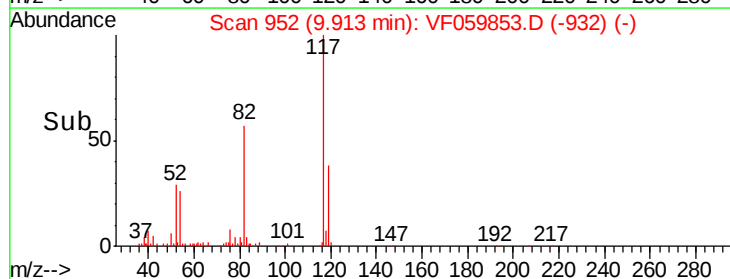
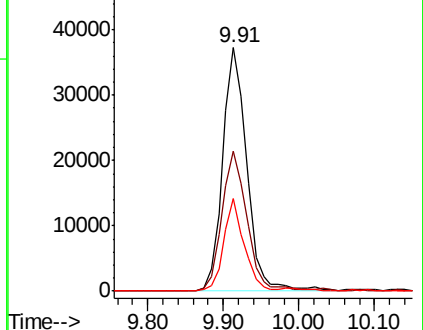
119 38.2 27.3 40.9

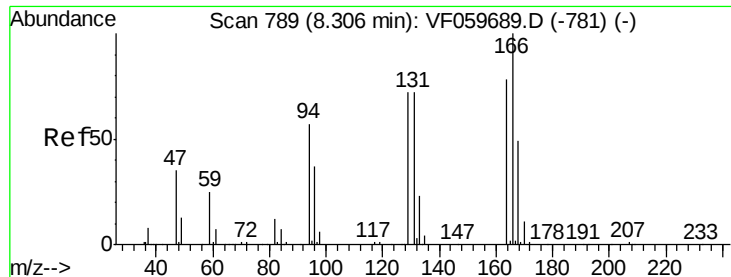


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V





#64

Tetrachloroethene

Concen: Below Cal

RT: 8.29 min Scan# 787

Delta R.T. -0.02 min

Lab File: VF059853.D

Acq: 3 Aug 2018 21:52

Instrument :

MSVOA_F

ClientSampleId :

KG-PIT-4RE

Tot Ion:164 Resp: 215

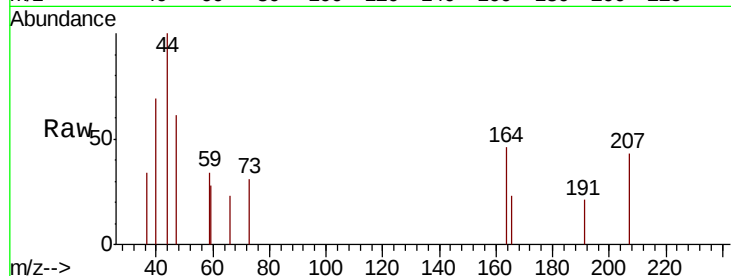
Ion Ratio Lower Upper

164 100

166 49.1 102.1 153.1#

129 0.0 73.8 110.6#

131 0.0 73.1 109.7#

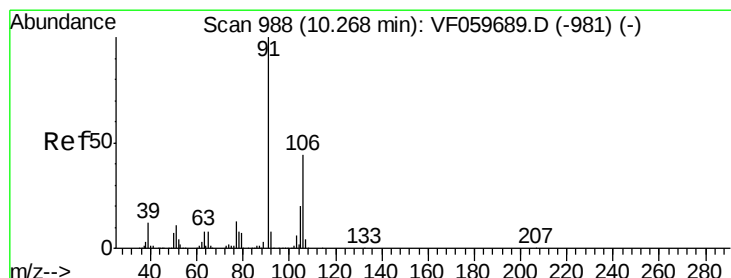
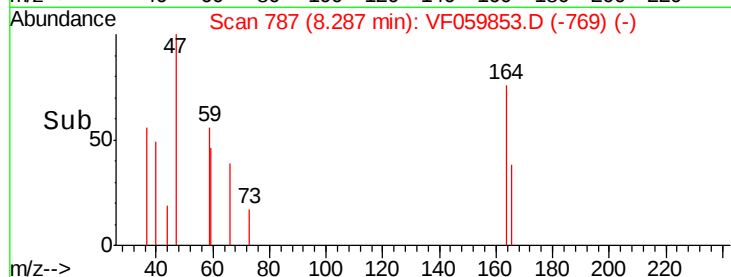
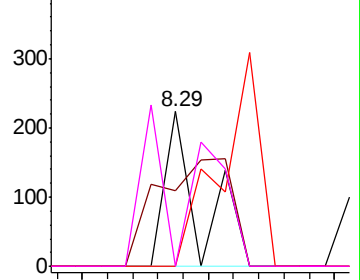


Abundance Ion 163.85 (163.55 to 164.55): V

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: VF059853.D

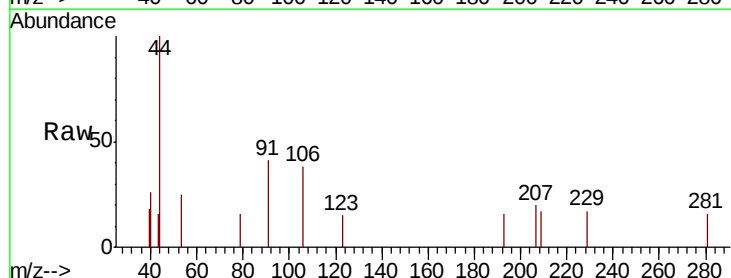
Acq: 3 Aug 2018 21:52

Tgt Ion:106 Resp: 304

Ion Ratio Lower Upper

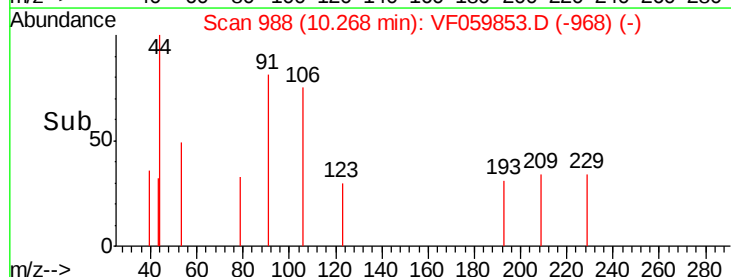
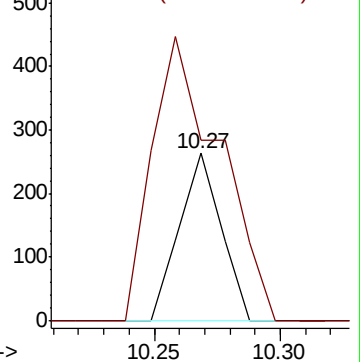
106 100

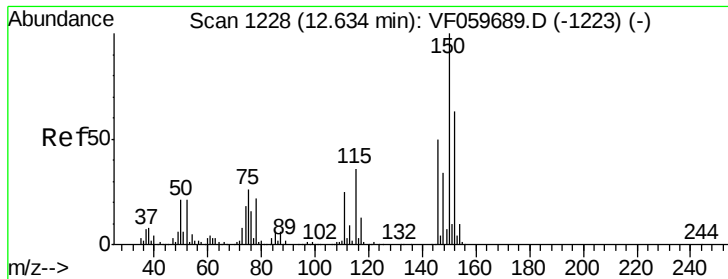
91 107.6 181.7 272.5#



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0



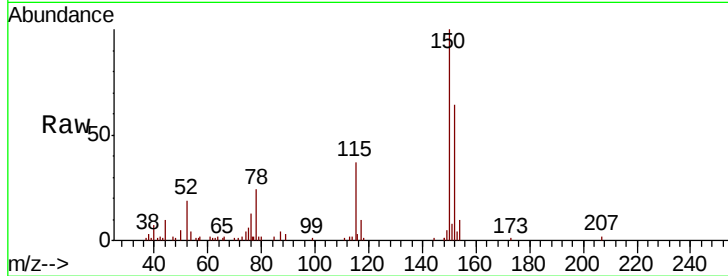


#72

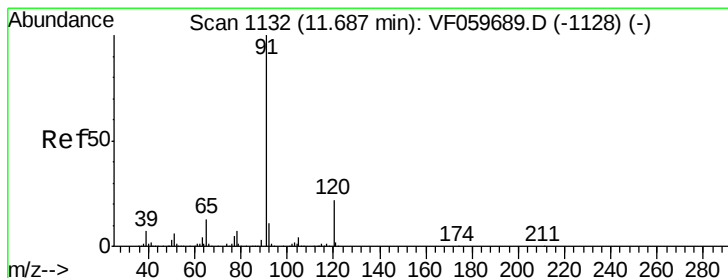
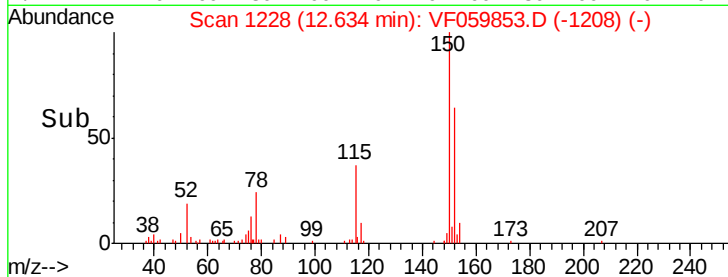
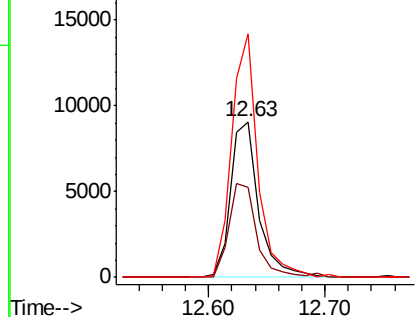
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.63 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VF059853.D
Acq: 3 Aug 2018 21:52

Instrument :
MSVOA_F
ClientSampleId :
KG-PIT-4RE

Tot Ion	Ratio	Lower	Upper
152	100		
115	58.2	28.2	84.6
150	156.5	0.0	316.2



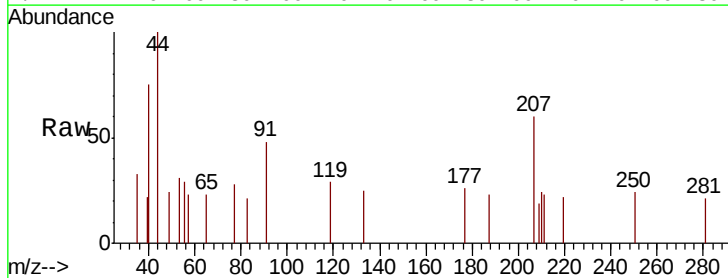
Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V



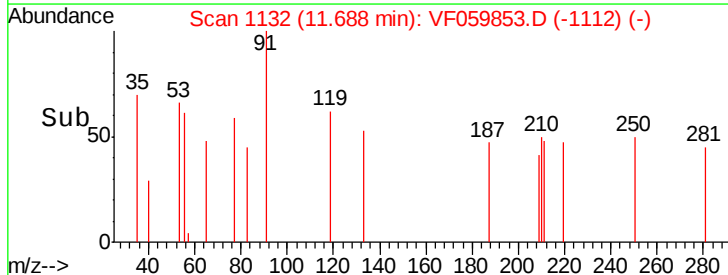
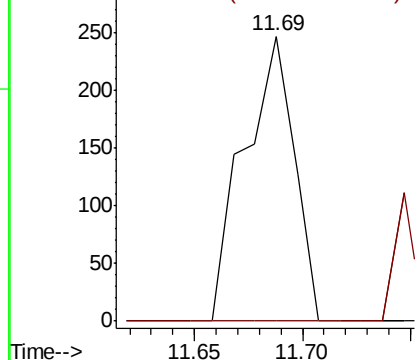
#78

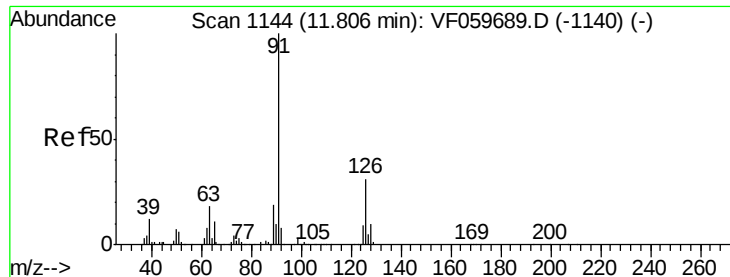
n-propylbenzene
Concen: Below Cal
RT: 11.69 min Scan# 1132
Delta R.T. 0.00 min
Lab File: VF059853.D
Acq: 3 Aug 2018 21:52

Tgt Ion	Ratio	Lower	Upper
91	100		
120	0.0	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: 11.81 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VF059853.D

Acq: 3 Aug 2018 21:52

Instrument :

MSVOA_F

ClientSampled :

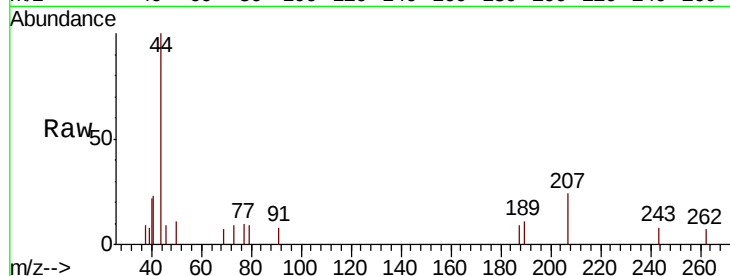
KG-PIT-4RE

Tot Ion: 91 Resp: 66

Ion Ratio Lower Upper

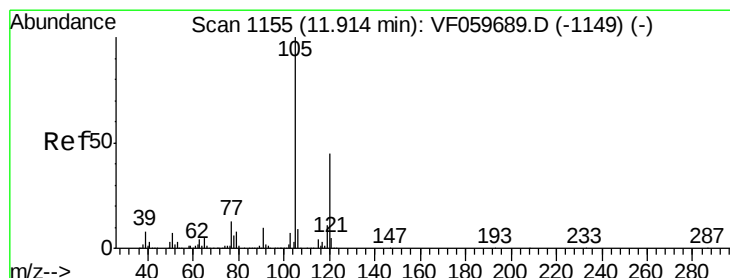
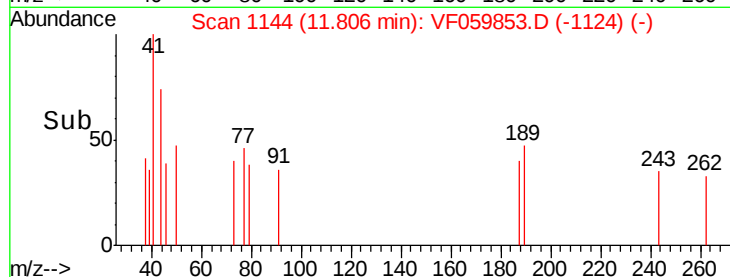
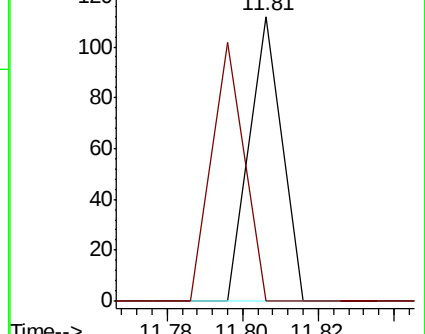
91 100

126 0.0 15.4 46.2#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: Below Cal

RT: 11.90 min Scan# 1154

Delta R.T. -0.01 min

Lab File: VF059853.D

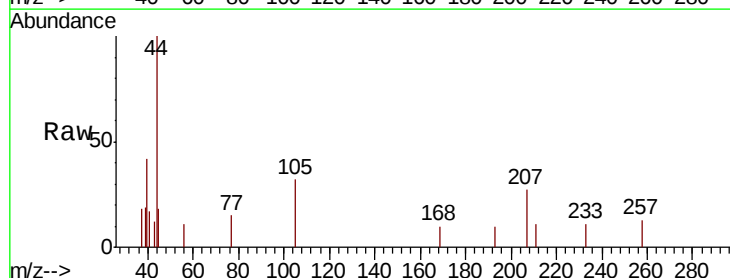
Acq: 3 Aug 2018 21:52

Tgt Ion:105 Resp: 465

Ion Ratio Lower Upper

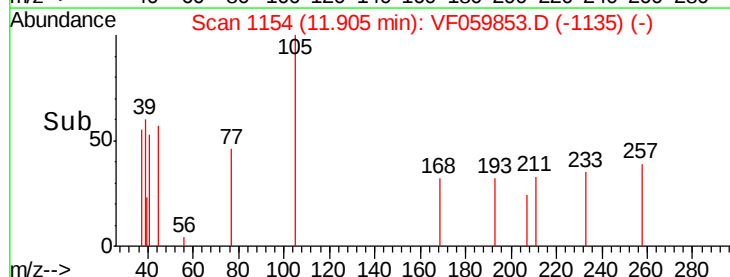
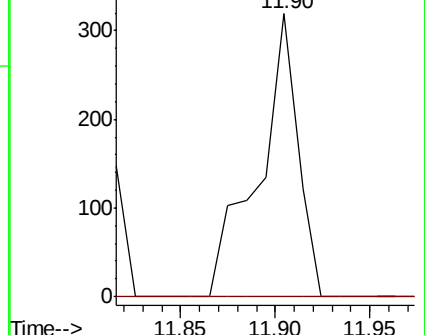
105 100

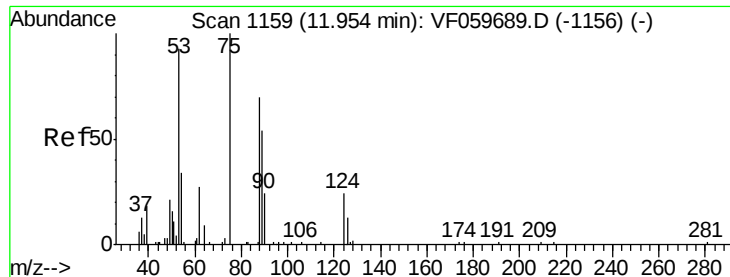
120 0.0 22.7 68.0#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 2.28 ug/l

RT: 11.97 min Scan# 1161

Delta R.T. 0.02 min

Lab File: VF059853.D

Acq: 3 Aug 2018 21:52

Instrument :

MSVOA_F

ClientSampleId :

KG-PIT-4RE

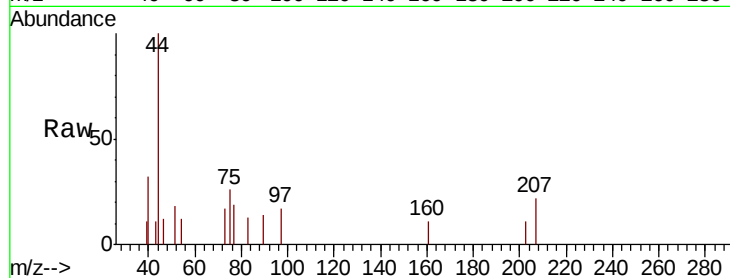
Tot Ion: 75 Resp: 150

Ion Ratio Lower Upper

75 100

53 0.0 78.3 117.5#

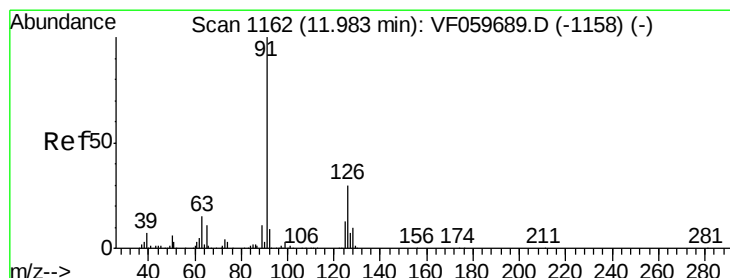
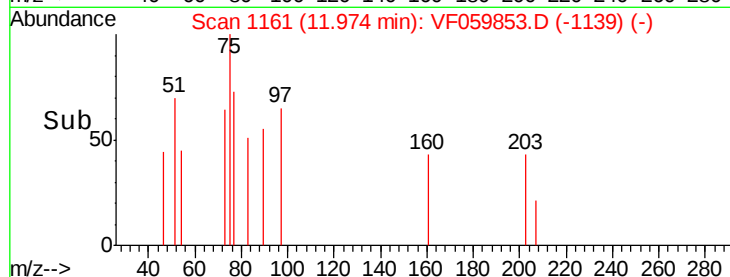
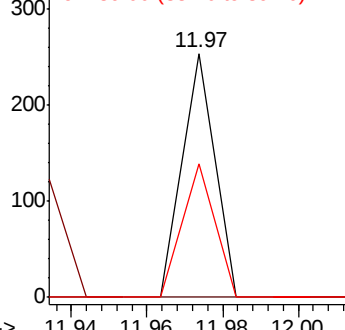
89 54.9 45.4 68.2



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: Below Cal

RT: 11.99 min Scan# 1163

Delta R.T. 0.01 min

Lab File: VF059853.D

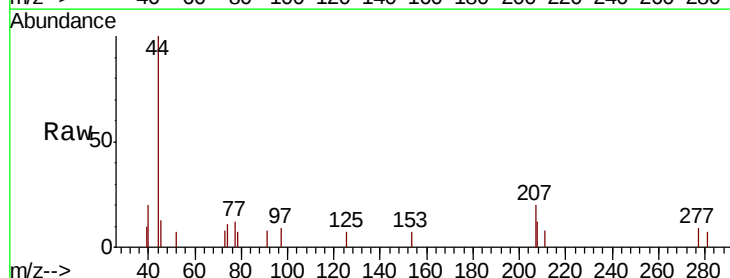
Acq: 3 Aug 2018 21:52

Tgt Ion: 91 Resp: 71

Ion Ratio Lower Upper

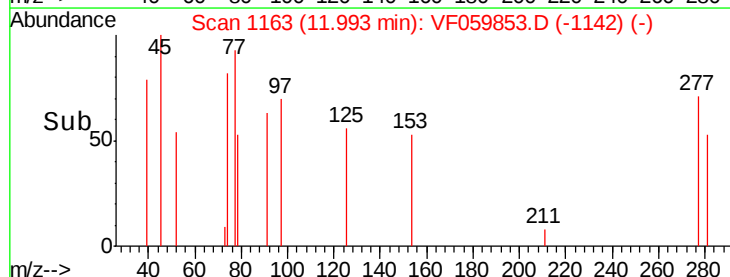
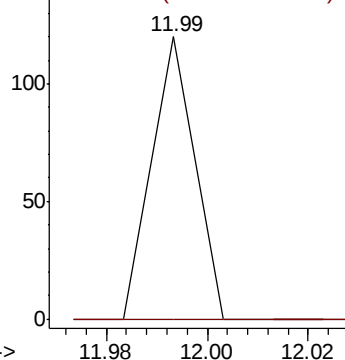
91 100

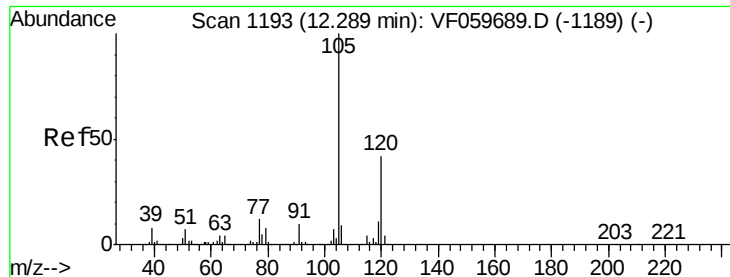
126 0.0 15.2 45.6#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

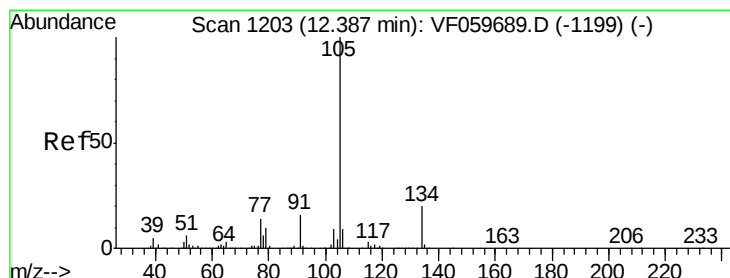
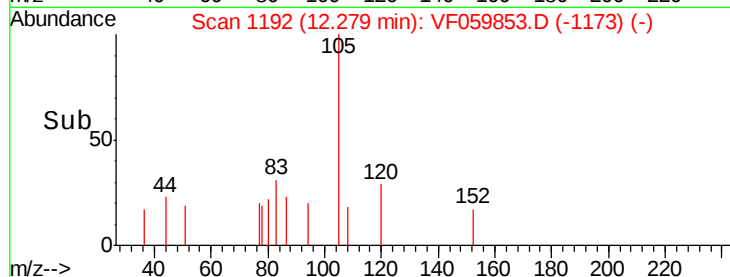
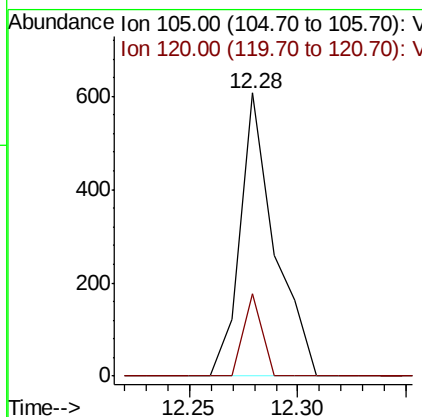
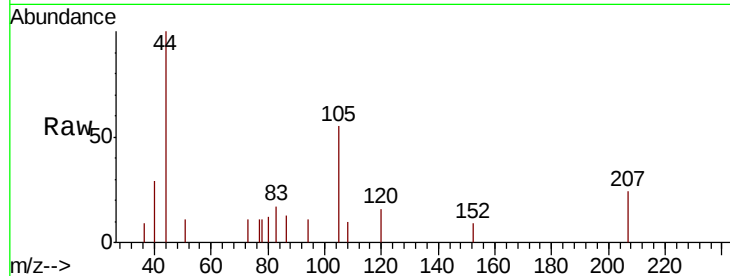




#84
 1,2,4-Trimethylbenzene
 Concen: Below Cal
 RT: 12.28 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: VF059853.D
 Acq: 3 Aug 2018 21:52

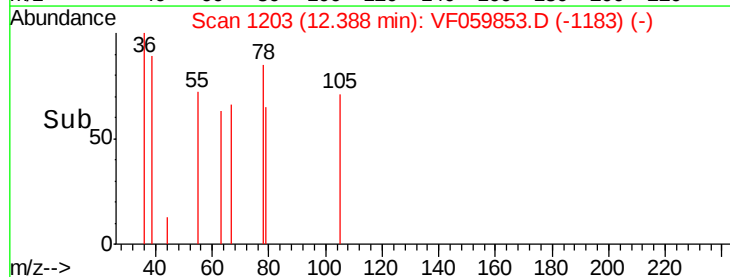
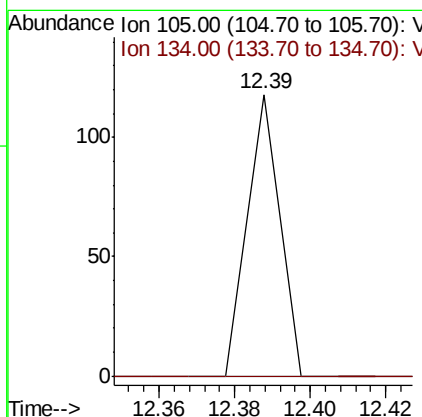
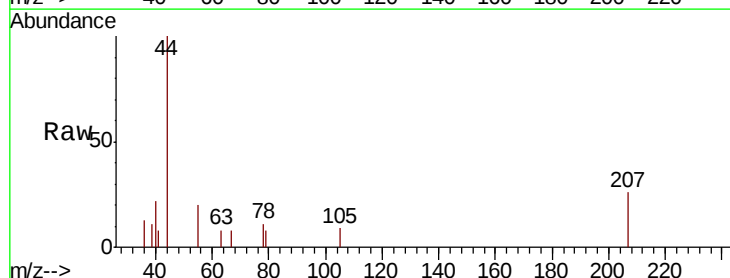
Instrument :
 MSVOA_F
 ClientSampleId :
 KG-PIT-4RE

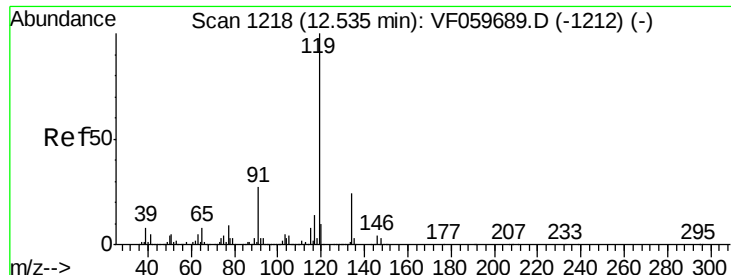
Tot Ion:105 Resp: 680
 Ion Ratio Lower Upper
 105 100
 120 29.3 21.1 63.3



#85
 sec-Butylbenzene
 Concen: Below Cal
 RT: 12.39 min Scan# 1203
 Delta R.T. 0.00 min
 Lab File: VF059853.D
 Acq: 3 Aug 2018 21:52

Tgt Ion:105 Resp: 70
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.8 29.3#

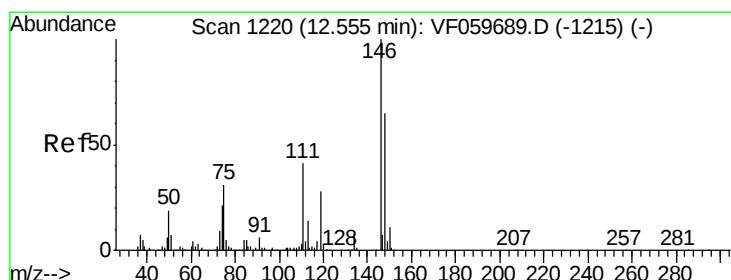
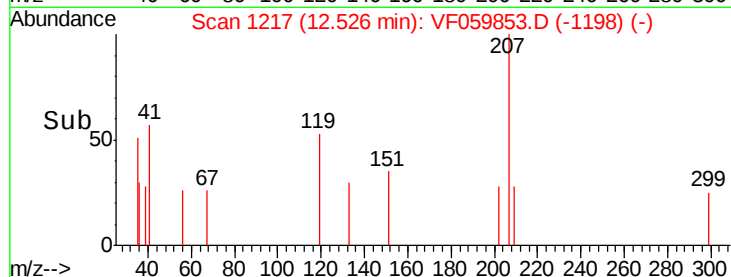
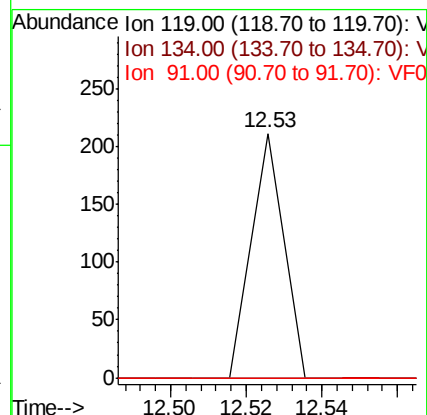
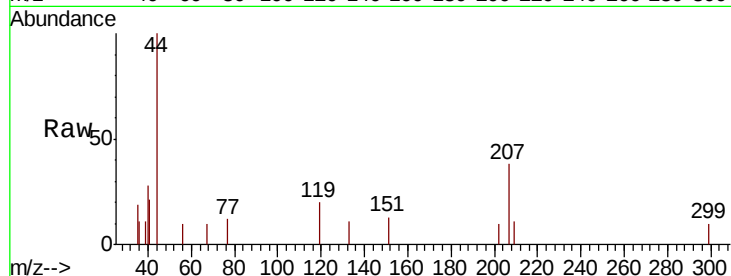




#86
 p-Isopropyltoluene
 Concen: Below Cal
 RT: 12.53 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: VF059853.D
 Acq: 3 Aug 2018 21:52

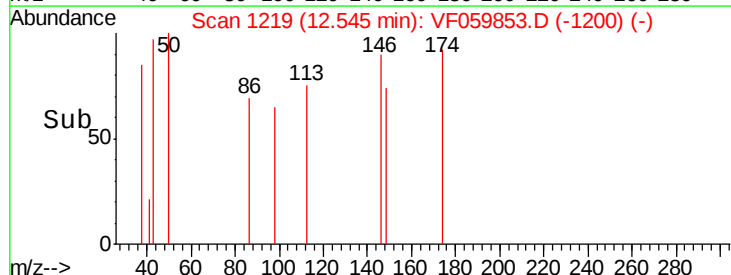
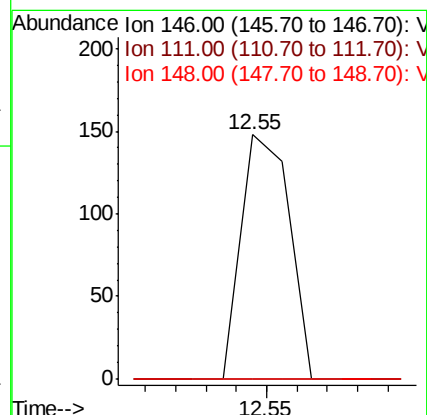
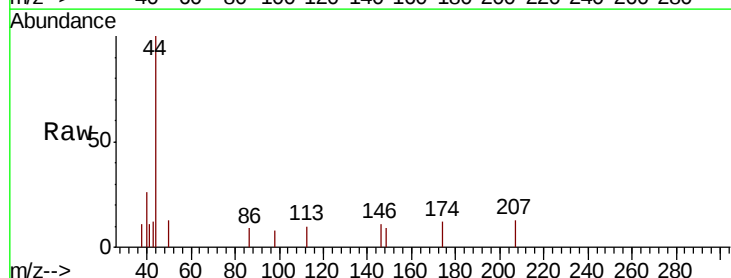
Instrument :
 MSVOA_F
 ClientSampled :
 KG-PIT-4RE

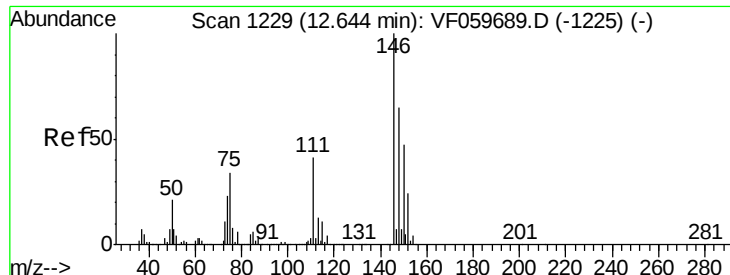
Tot Ion	Ratio	Lower	Upper
119	100		
134	0.0	12.2	36.6#
91	0.0	13.4	40.2#



#87
 1,3-Dichlorobenzene
 Concen: Below Cal
 RT: 12.55 min Scan# 1219
 Delta R.T. -0.01 min
 Lab File: VF059853.D
 Acq: 3 Aug 2018 21:52

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: 12.64 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VF059853.D

Acq: 3 Aug 2018 21:52

Instrument :

MSVOA_F

ClientSampleId :

KG-PIT-4RE

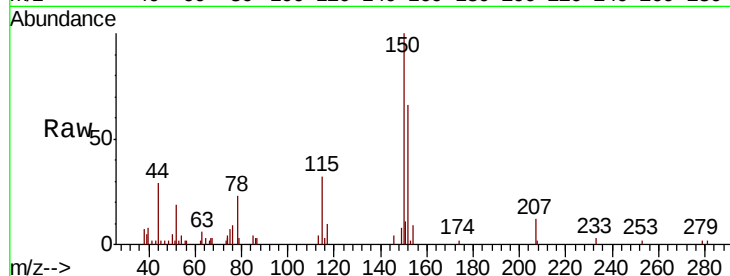
Tot Ion:146 Resp: 106

Ion Ratio Lower Upper

146 100

111 0.0 20.8 62.2#

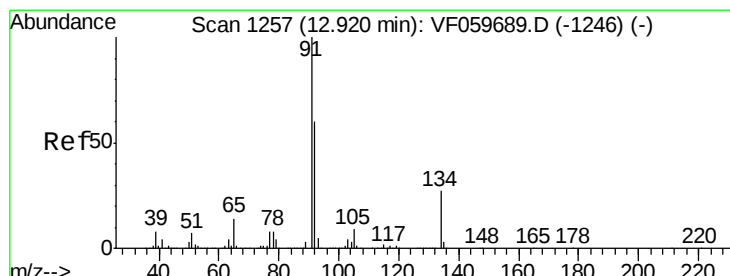
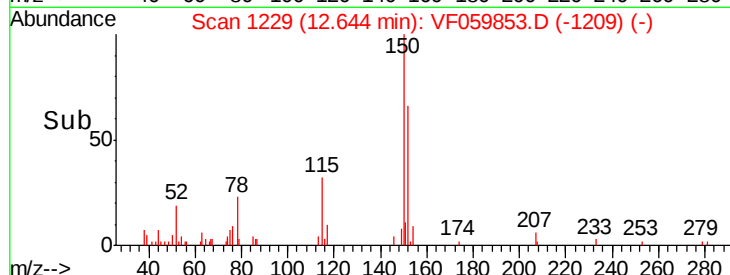
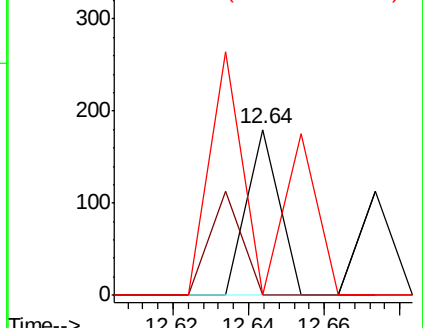
148 0.0 32.3 96.9#



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#89

n-Butylbenzene

Concen: Below Cal

RT: 12.91 min Scan# 1256

Delta R.T. -0.01 min

Lab File: VF059853.D

Acq: 3 Aug 2018 21:52

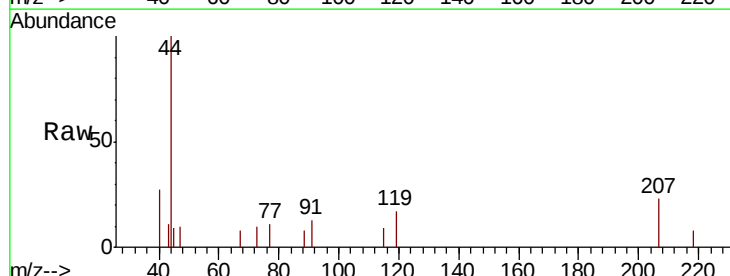
Tgt Ion: 91 Resp: 160

Ion Ratio Lower Upper

91 100

92 0.0 30.1 90.3#

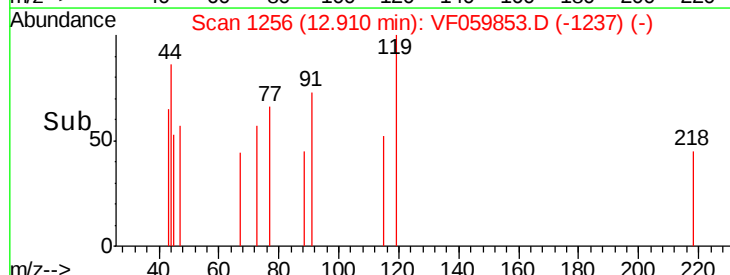
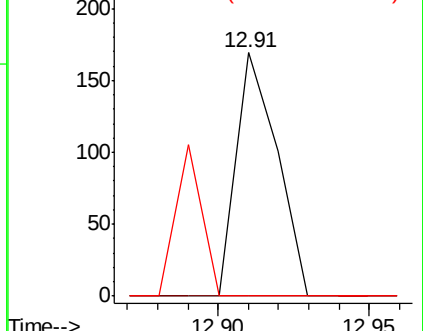
134 0.0 13.7 41.0#

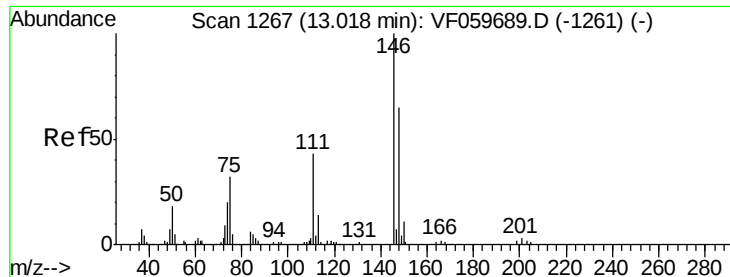


Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V





#91

1,2-Dichlorobenzene

Concen: Below Cal

RT: 13.03 min Scan# 1268

Delta R.T. 0.01 min

Lab File: VF059853.D

Acq: 3 Aug 2018 21:52

Instrument :

MSVOA_F

ClientSampled :

KG-PIT-4RE

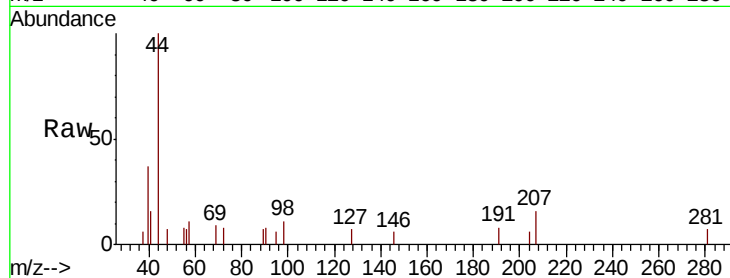
Tot Ion:146 Resp: 61

Ion Ratio Lower Upper

146 100

111 0.0 21.6 65.0#

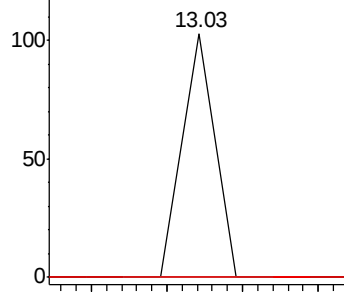
148 0.0 32.3 96.9#



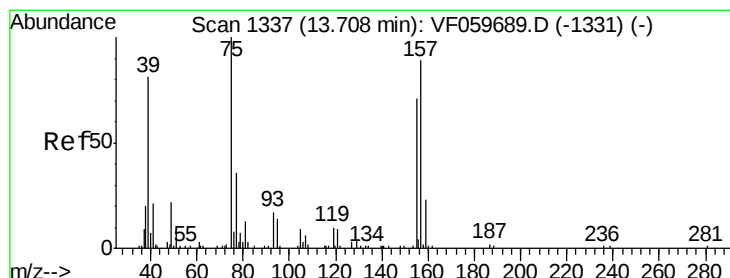
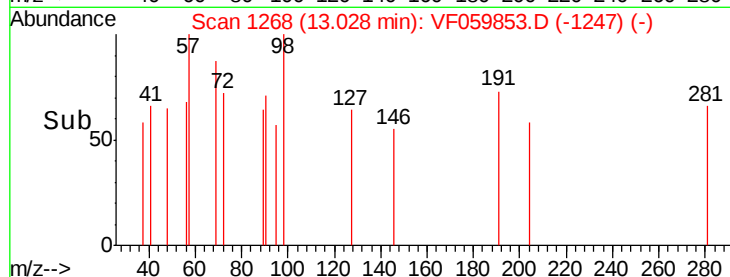
Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.75 ug/l

RT: 13.64 min Scan# 1330

Delta R.T. -0.07 min

Lab File: VF059853.D

Acq: 3 Aug 2018 21:52

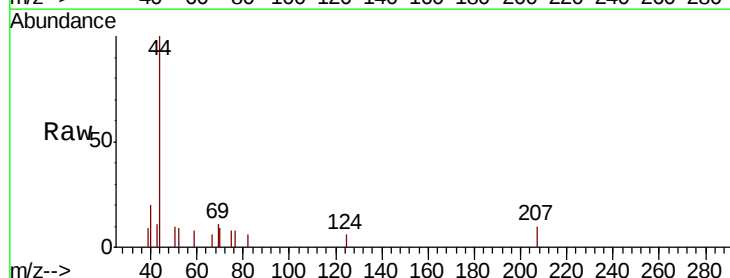
Tgt Ion: 75 Resp: 80

Ion Ratio Lower Upper

75 100

155 0.0 35.4 106.2#

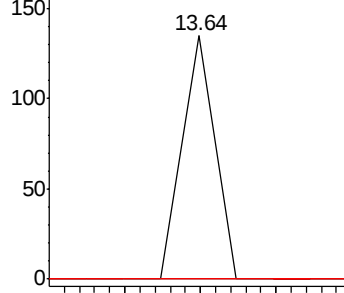
157 0.0 44.4 133.2#



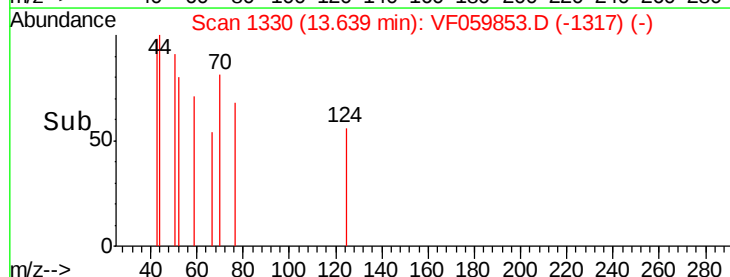
Abundance Ion 75.00 (74.70 to 75.70): VF0

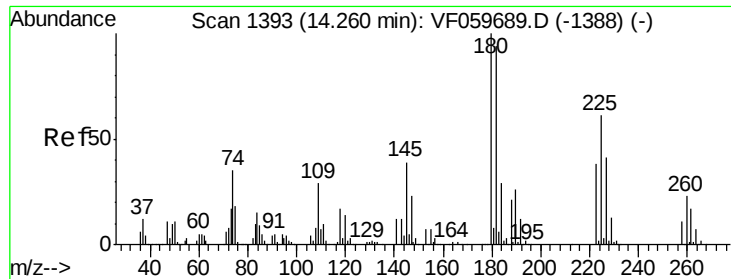
Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V



Time-->

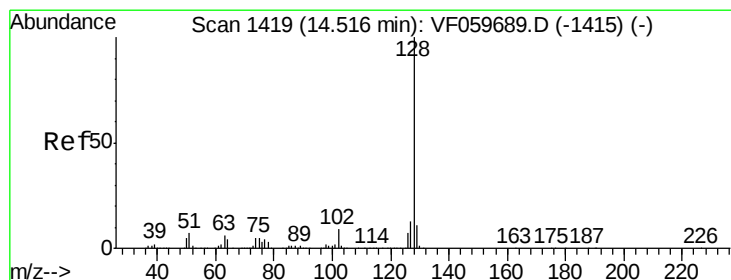
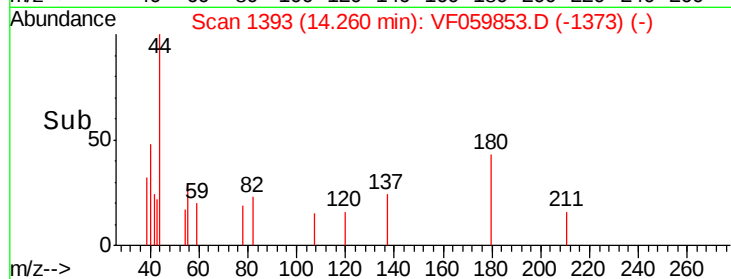
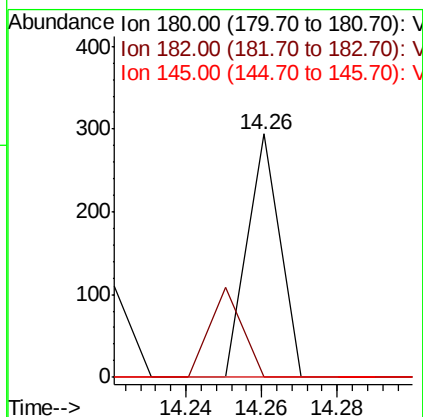
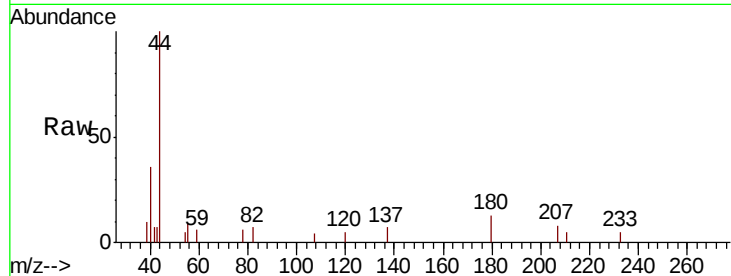




#93
 1,2,4-Trichlorobenzene
 Concen: Below Cal
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059853.D
 Acq: 3 Aug 2018 21:52

Instrument :
 MSVOA_F
 ClientSampleId :
 KG-PIT-4RE

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.2	141.6#
145	0.0	19.3	57.9#



#95
 Naphthalene
 Concen: 2.44 ug/l
 RT: 14.53 min Scan# 1420
 Delta R.T. 0.01 min
 Lab File: VF059853.D
 Acq: 3 Aug 2018 21:52

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.0	15.0
129	22.9	8.6	13.0#

