

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080318\
 Data File : VF059851.D
 Acq On : 3 Aug 2018 20:57
 Operator : VA/AP
 Sample : J4285-17
 Misc : 2.85g/5mL/MSVOA F/SOIL
 ALS Vial : 95 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 KG-PIT-5

Quant Time: Aug 04 03:18:32 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	136580	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	150254	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	49907	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	6474	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	99251	40.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.86%	
35) Dibromofluoromethane	4.28	113	90612	58.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.12%	
50) Toluene-d8	7.71	98	101371	27.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	55.70%	
62) 4-Bromofluorobenzene	11.51	95	10704	5.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	62	Below Cal	#	44
3) Chloromethane	1.09	50	658	Below Cal		90
4) Vinyl Chloride	1.21	62	82	Below Cal	#	16
5) Bromomethane	1.34	94	654	Below Cal	#	70
6) Chloroethane	1.34	64	72	Below Cal	#	26
10) Methyl Iodide	2.09	142	60	Below Cal	#	20
11) Tert butyl alcohol	2.66	59	271	1.29	ug/l	# 74
13) Acrolein	2.12	56	306	21.59	ug/l	98
15) Acrylonitrile	3.09	53	272	1.78	ug/l	# 18
16) Acetone	2.34	43	18641	42.22	ug/l	97
17) Carbon Disulfide	1.84	76	3794	Below Cal	#	84
18) Methyl Acetate	2.48	43	2034	Below Cal	#	64
20) Methylene Chloride	2.28	84	2934	Below Cal	#	69
21) trans-1,2-Dichloroethene	2.45	96	88	Below Cal	#	18
25) 2-Butanone	4.53	43	1044	2.12	ug/l	# 74
28) Bromochloromethane	3.92	49	72	Below Cal	#	15
29) Tetrahydrofuran	4.23	42	469	2.48	ug/l	# 39
31) Cyclohexane	3.87	56	85	Below Cal	#	15
36) 1,1-Dichloropropene	4.46	75	836	Below Cal	#	46
37) Ethyl Acetate	4.26	43	179	Below Cal	#	83
39) Methylcyclohexane	5.76	83	2687	Below Cal	#	37
41) Methacrylonitrile	4.90	41	161	Below Cal	#	24
44) Trichloroethene	5.65	130	82	Below Cal		2
49) 1,4-Dioxane	6.38	88	70	Below Cal	#	30
52) Toluene	7.78	92	811	Below Cal	#	56
58) 2-Chloroethyl Vinyl ether	7.75	63	209	2.11	ug/l	100
68) m/p-Xylenes	10.27	106	312	Below Cal	#	1
74) N-amyl acetate	11.46	43	403	3.76	ug/l	# 48
75) 1,1,2,2-Tetrachloroethane	11.74	83	250	3.13	ug/l	# 91
76) 1,2,3-Trichloropropane	11.83	75	94	1.38	ug/l	# 39
77) Bromobenzene	11.59	156	128	1.15	ug/l	# 1
78) n-propylbenzene	11.68	91	90	Below Cal	#	54
79) 2-Chlorotoluene	11.75	91	98	Below Cal	#	44
80) 1,3,5-Trimethylbenzene	11.81	105	64	Below Cal	#	31

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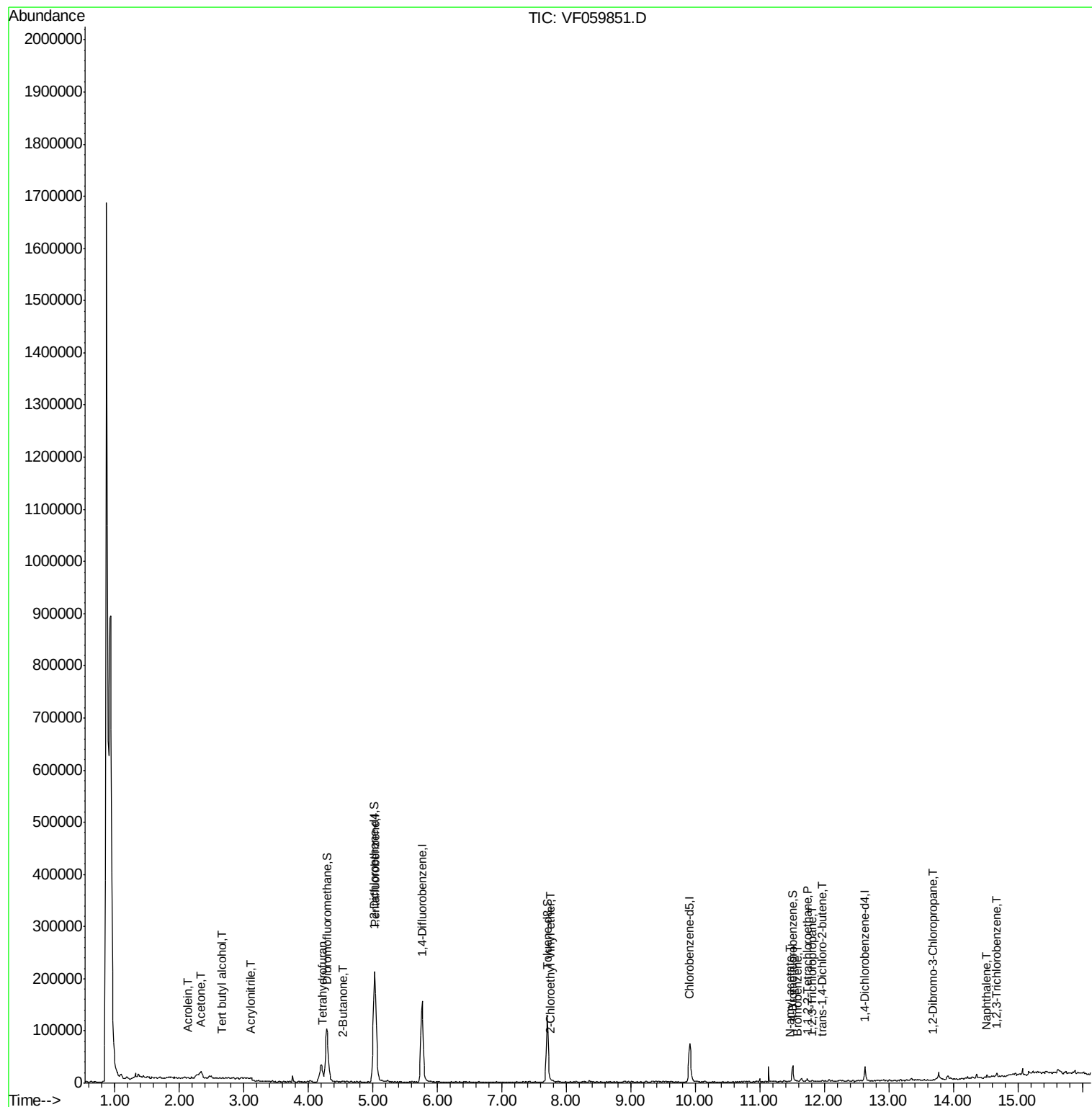
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
81) trans-1,4-Dichloro-2-buten	11.95	75	62	2.20	µg/l #	65
82) 4-Chlorotoluene	12.01	91	73	Below Cal	#	44
84) 1,2,4-Trimethylbenzene	12.28	105	254	Below Cal	#	33
85) sec-Butylbenzene	12.34	105	96	Below Cal	#	57
86) p-Isopropyltoluene	12.54	119	223	Below Cal	#	49
87) 1,3-Dichlorobenzene	12.54	146	69	Below Cal	#	24
88) 1,4-Dichlorobenzene	12.64	146	190	Below Cal	#	68
89) n-Butylbenzene	12.92	91	249	Below Cal	#	29
91) 1,2-Dichlorobenzene	13.04	146	62	Below Cal	#	24
92) 1,2-Dibromo-3-Chloropropan	13.70	75	174	8.90	µg/l #	9
93) 1,2,4-Trichlorobenzene	14.27	180	121	Below Cal	#	69
95) Naphthalene	14.52	128	1912	6.85	µg/l #	78
96) 1,2,3-Trichlorobenzene	14.66	180	289	1.87	µg/l #	13

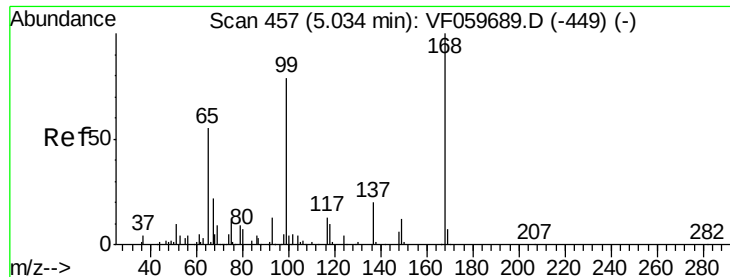
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VF059851.D

Acq: 3 Aug 2018 20:57

Instrument :

MSVOA_F

ClientSampleId :

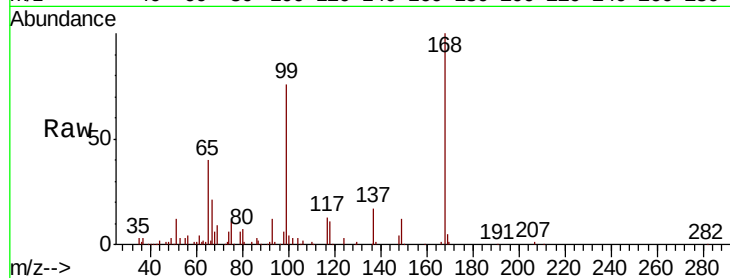
KG-PIT-5

Tot Ion:168 Resp: 136580

Ion Ratio Lower Upper

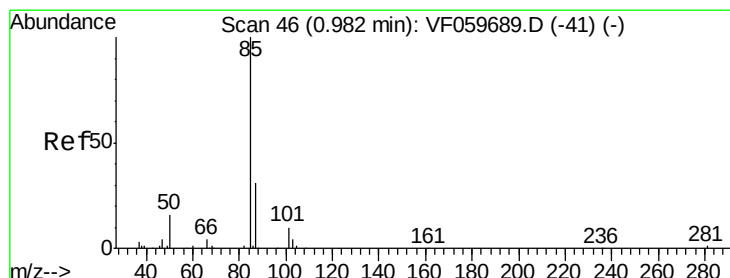
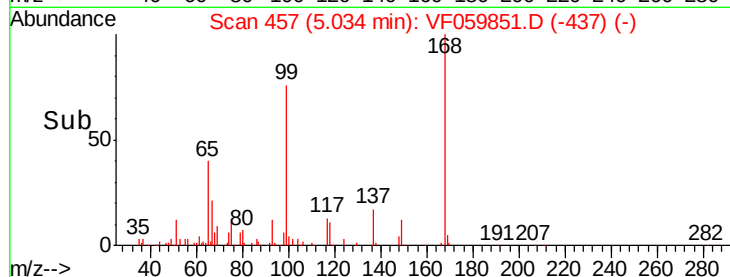
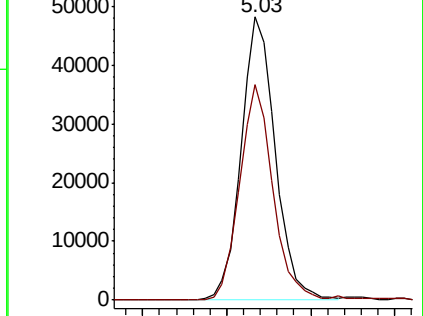
168 100

99 76.3 63.3 94.9



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 0.96 min Scan# 44

Delta R.T. -0.02 min

Lab File: VF059851.D

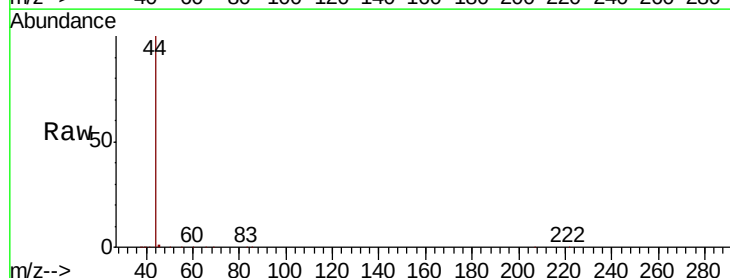
Acq: 3 Aug 2018 20:57

Tgt Ion: 85 Resp: 62

Ion Ratio Lower Upper

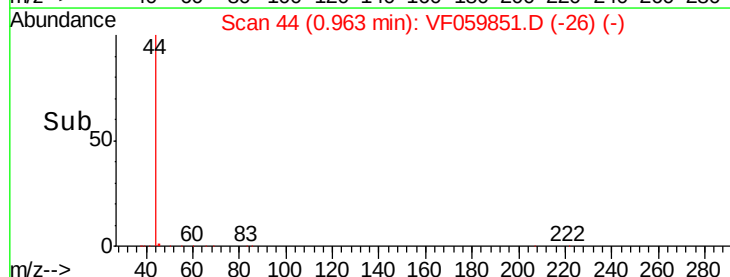
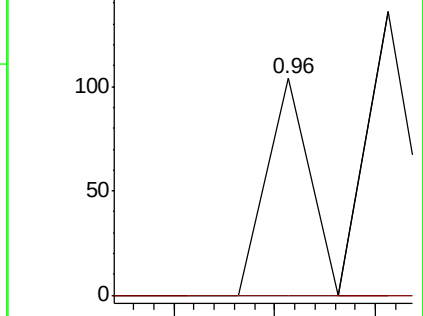
85 100

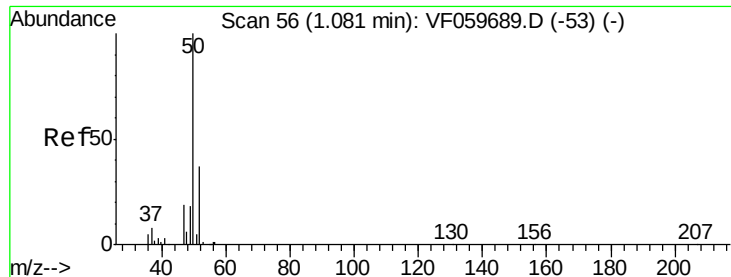
87 0.0 15.3 45.8#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: Below Cal

RT: 1.09 min Scan# 57

Delta R.T. 0.01 min

Lab File: VF059851.D

Acq: 3 Aug 2018 20:57

Instrument :

MSVOA_F

ClientSampleId :

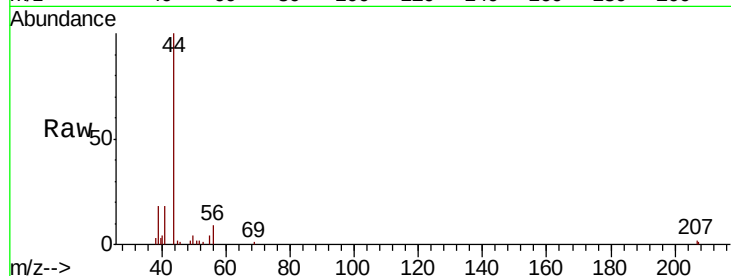
KG-PIT-5

Tot Ion: 50 Resp: 658

Ion Ratio Lower Upper

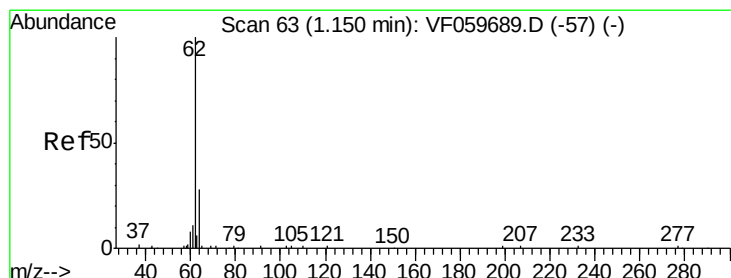
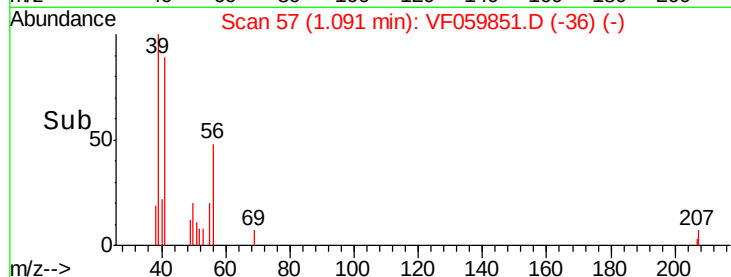
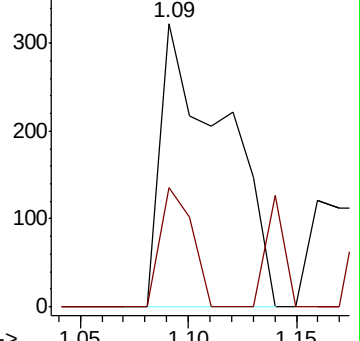
50 100

52 42.2 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: 1.21 min Scan# 69

Delta R.T. 0.06 min

Lab File: VF059851.D

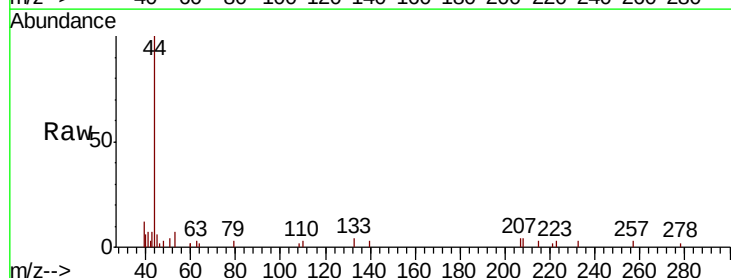
Acq: 3 Aug 2018 20:57

Tgt Ion: 62 Resp: 82

Ion Ratio Lower Upper

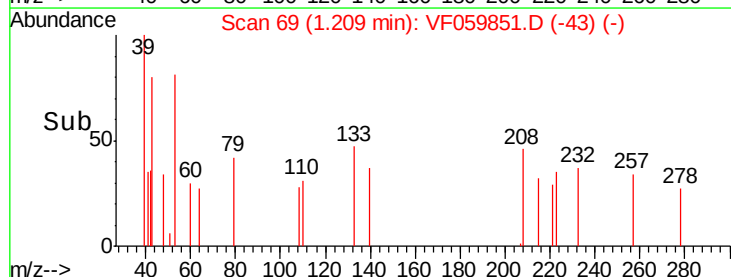
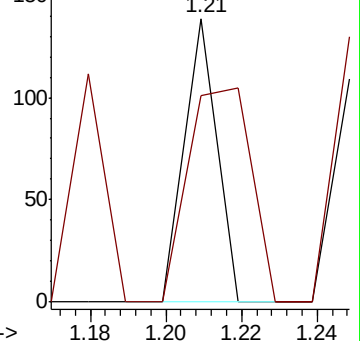
62 100

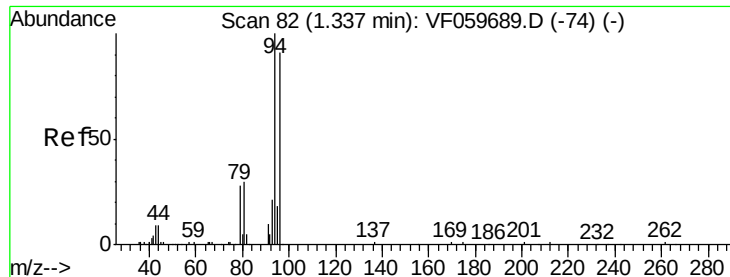
64 72.7 22.6 33.8#



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: VF059851.D

Acq: 3 Aug 2018 20:57

Instrument :

MSVOA_F

ClientSampleId :

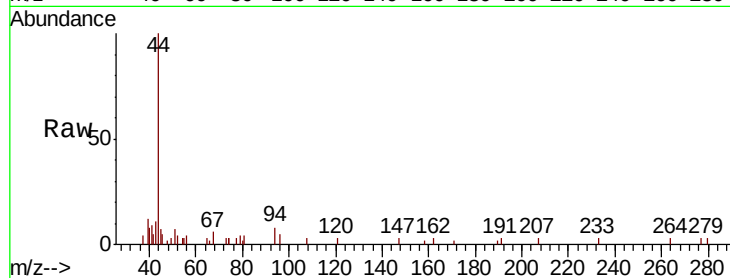
KG-PIT-5

Tot Ion: 94 Resp: 654

Ion Ratio Lower Upper

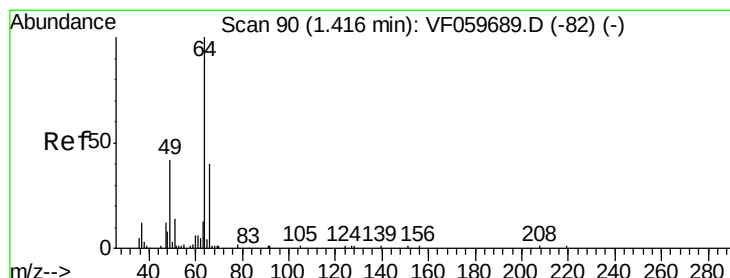
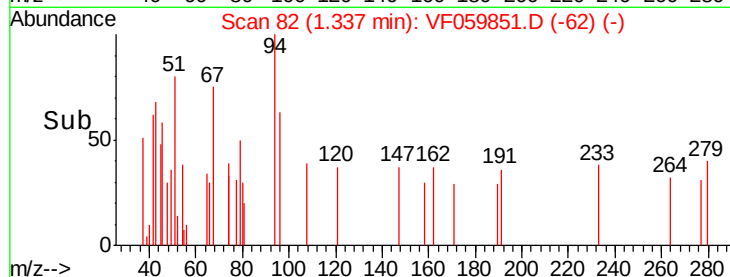
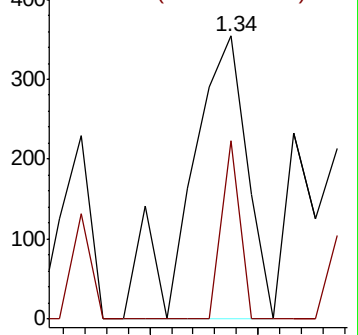
94 100

96 63.0 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: 1.34 min Scan# 82

Delta R.T. -0.08 min

Lab File: VF059851.D

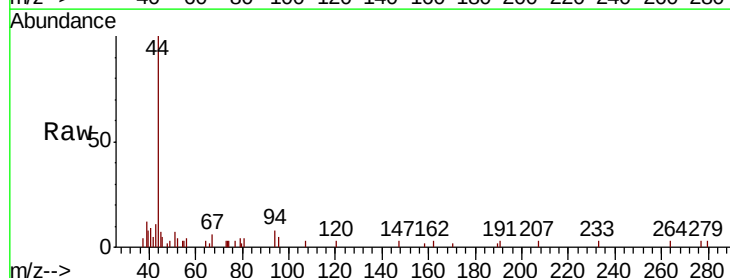
Acq: 3 Aug 2018 20:57

Tgt Ion: 64 Resp: 72

Ion Ratio Lower Upper

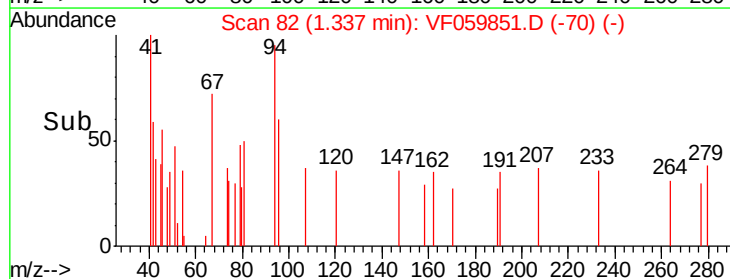
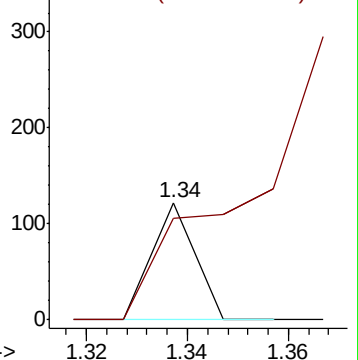
64 100

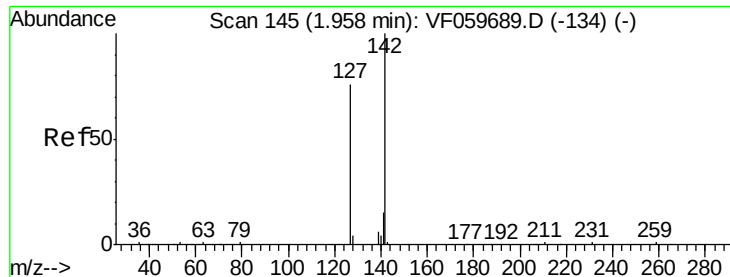
66 86.9 32.6 49.0#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#10

Methyl Iodide

Concen: Below Cal

RT: 2.09 min Scan# 158

Delta R.T. 0.13 min

Lab File: VF059851.D

Acq: 3 Aug 2018 20:57

Instrument :

MSVOA_F

ClientSampleId :

KG-PIT-5

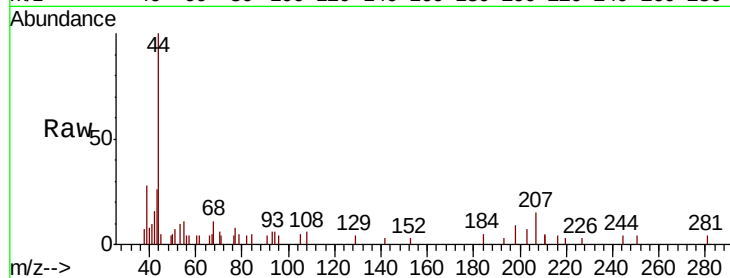
Tot Ion:142 Resp: 60

Ion Ratio Lower Upper

142 100

127 0.0 60.6 91.0#

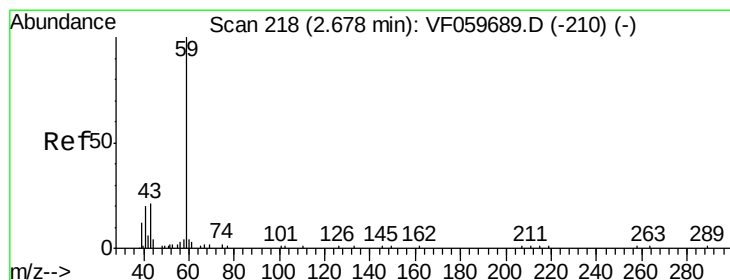
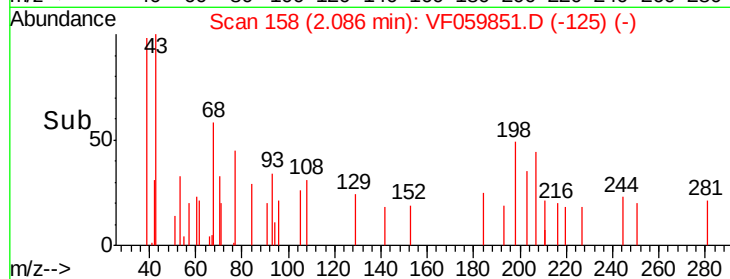
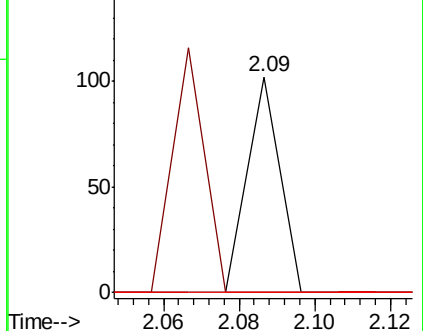
141 0.0 12.0 18.0#



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



#11

Tert butyl alcohol

Concen: 1.29 ug/l

RT: 2.66 min Scan# 216

Delta R.T. -0.02 min

Lab File: VF059851.D

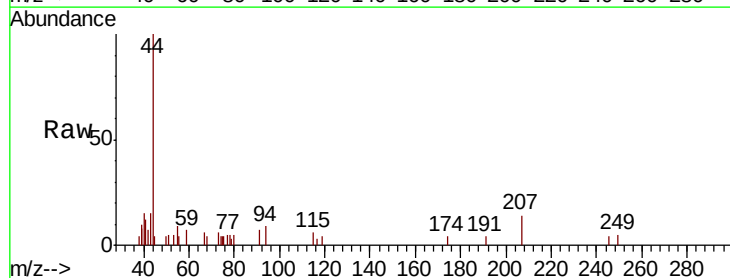
Acq: 3 Aug 2018 20:57

Tgt Ion: 59 Resp: 271

Ion Ratio Lower Upper

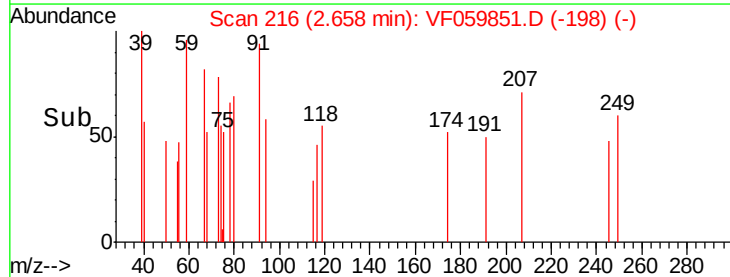
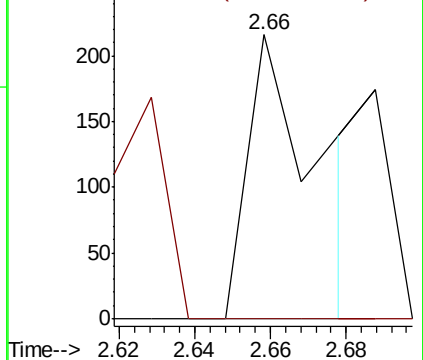
59 100

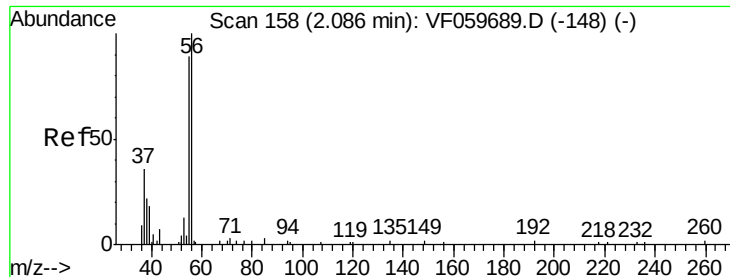
57 0.0 7.6 11.4#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0





#13

Acrolein

Concen: 21.59 ug/l

RT: 2.12 min Scan# 161

Delta R.T. 0.03 min

Lab File: VF059851.D

Acq: 3 Aug 2018 20:57

Instrument :

MSVOA_F

ClientSampled :

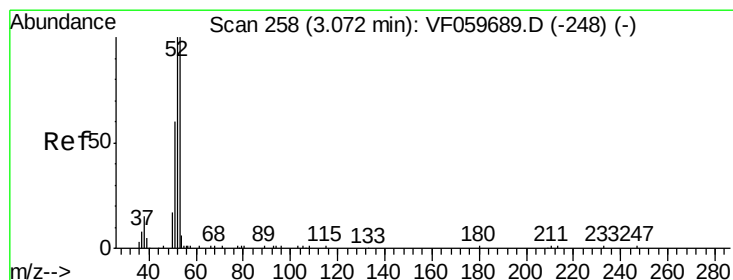
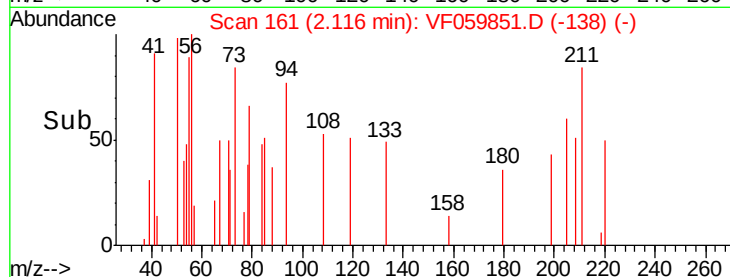
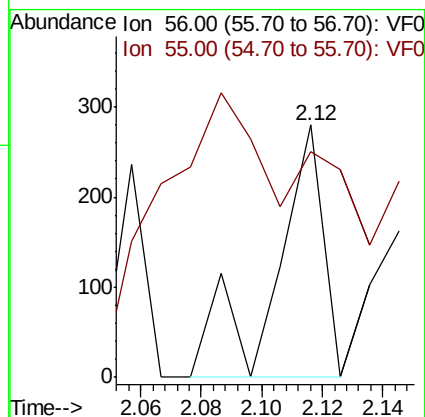
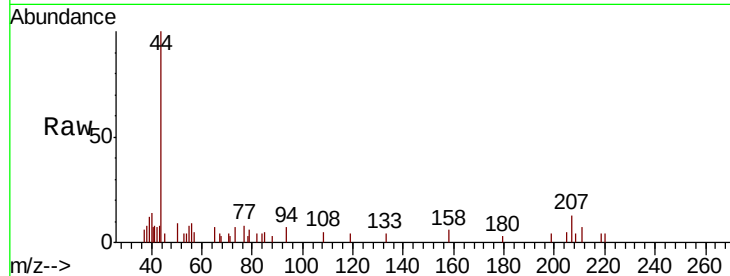
KG-PIT-5

Tot Ion: 56 Resp: 306

Ion Ratio Lower Upper

56 100

55 89.3 73.2 109.8



#15

Acrylonitrile

Concen: 1.78 ug/l

RT: 3.09 min Scan# 260

Delta R.T. 0.02 min

Lab File: VF059851.D

Acq: 3 Aug 2018 20:57

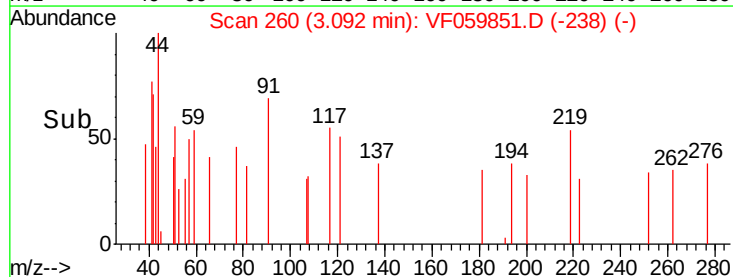
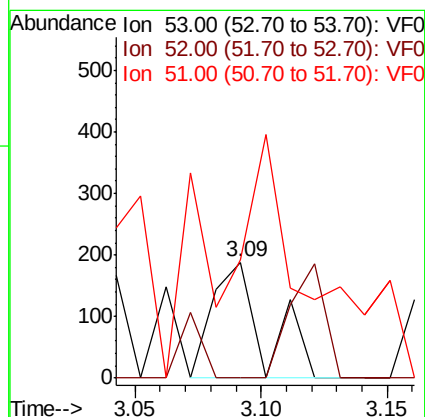
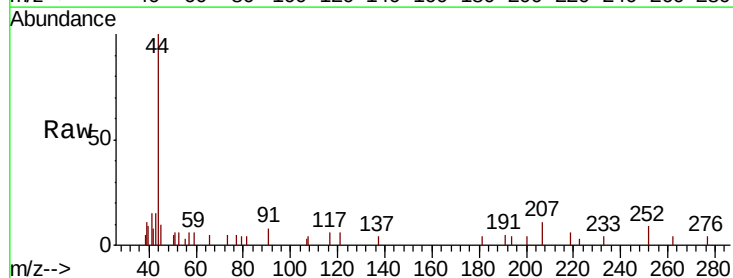
Tgt Ion: 53 Resp: 272

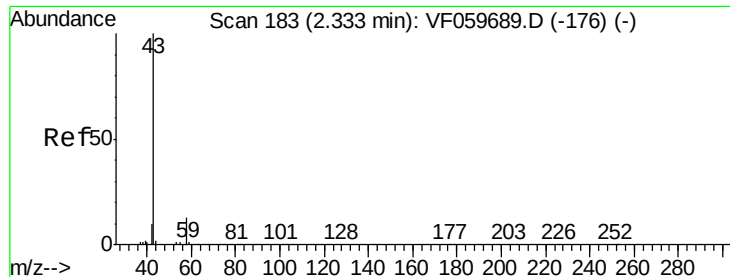
Ion Ratio Lower Upper

53 100

52 0.0 80.3 120.5#

51 101.6 49.4 74.0#





#16

Acetone

Concen: 42.22 ug/l

RT: 2.34 min Scan# 184

Delta R.T. 0.01 min

Lab File: VF059851.D

Acq: 3 Aug 2018 20:57

Instrument :

MSVOA_F

ClientSampleId :

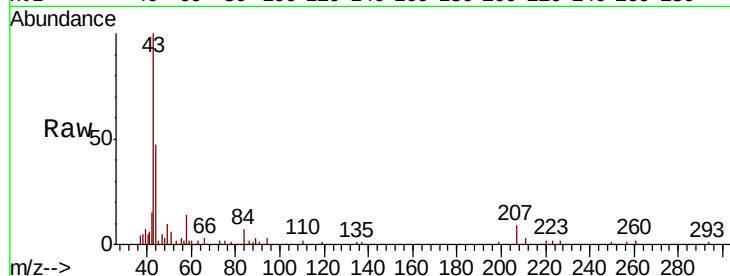
KG-PIT-5

Tot Ion: 43 Resp: 18641

Ion Ratio Lower Upper

43 100

58 13.7 10.1 15.1



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.34

8000

6000

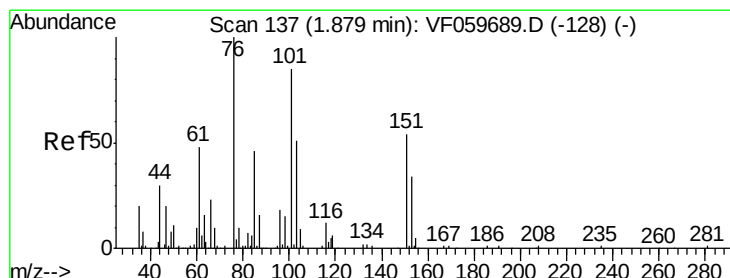
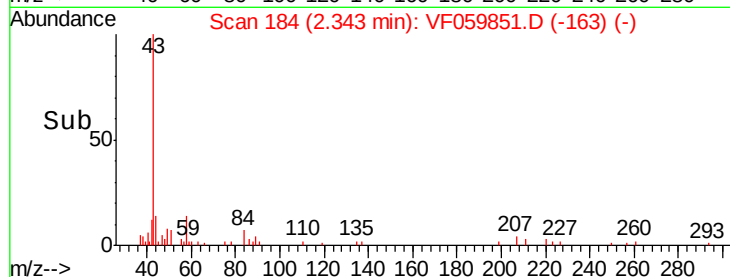
4000

2000

0

2.30 2.40

Time-->



#17

Carbon Disulfide

Concen: Below Cal

RT: 1.84 min Scan# 133

Delta R.T. -0.04 min

Lab File: VF059851.D

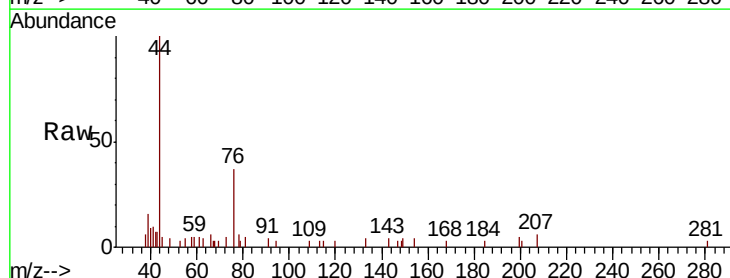
Acq: 3 Aug 2018 20:57

Tgt Ion: 76 Resp: 3794

Ion Ratio Lower Upper

76 100

78 17.2 8.9 13.3#



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

1.84

1500

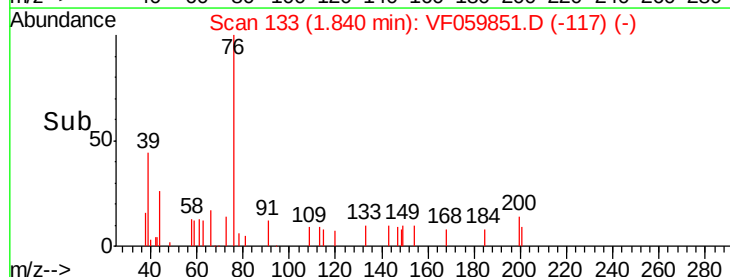
1000

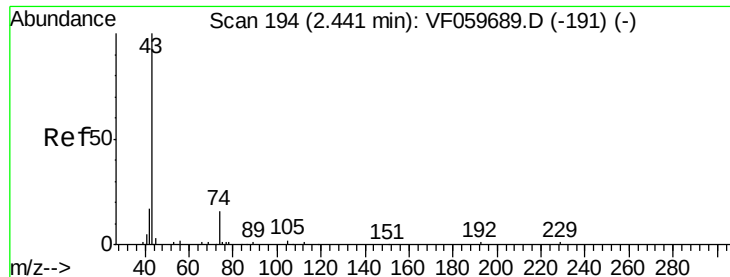
500

0

1.75 1.80 1.85 1.90

Time-->

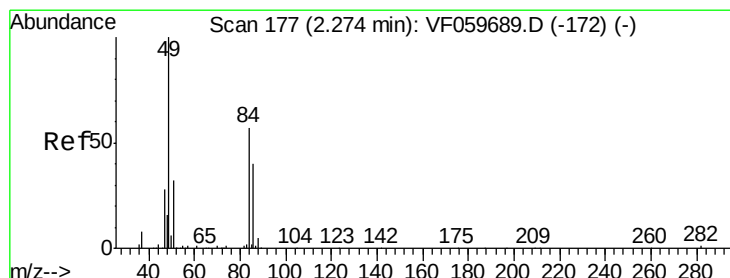
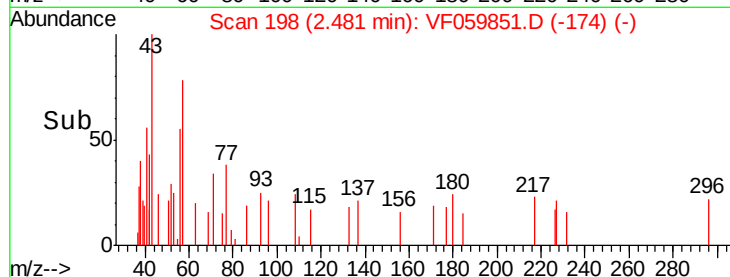
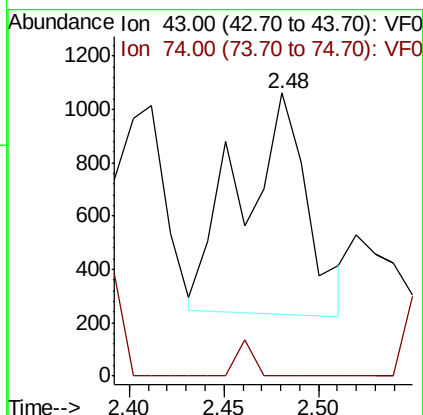
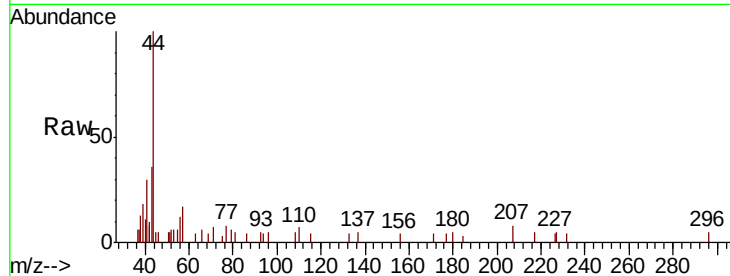




#18
Methyl Acetate
Concen: Below Cal
RT: 2.48 min Scan# 198
Delta R.T. 0.04 min
Lab File: VF059851.D
Acq: 3 Aug 2018 20:57

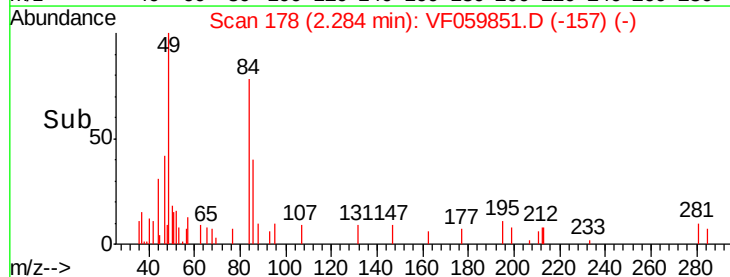
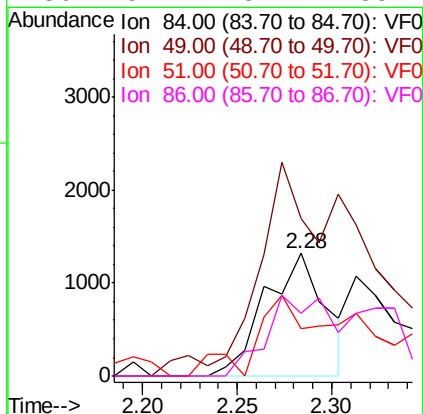
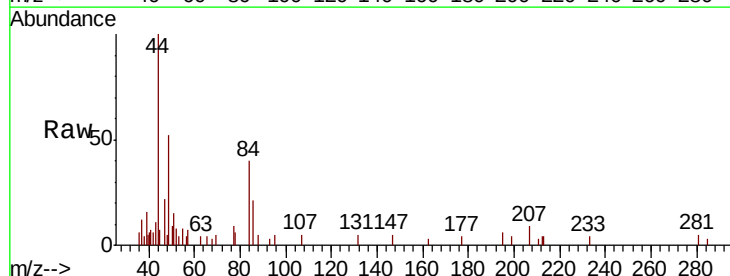
Instrument :
MSVOA_F
ClientSampleId :
KG-PIT-5

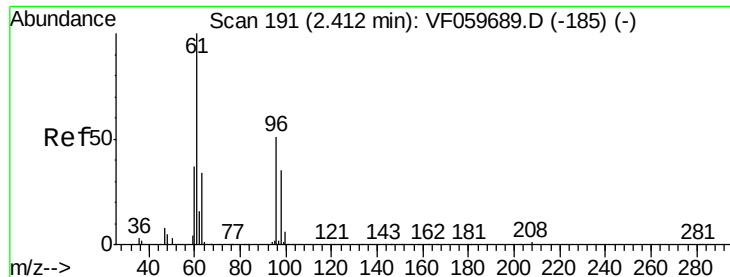
Tot Ion: 43 Resp: 2034
Ion Ratio Lower Upper
43 100
74 0.0 11.8 17.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.28 min Scan# 178
Delta R.T. 0.01 min
Lab File: VF059851.D
Acq: 3 Aug 2018 20:57

Tgt Ion: 84 Resp: 2934
Ion Ratio Lower Upper
84 100
49 127.9 142.2 213.4#
51 38.1 46.2 69.2#
86 51.4 57.1 85.7#





#21

trans-1,2-Dichloroethene

Concen: Below Cal

RT: 2.45 min Scan# 195

Delta R.T. 0.04 min

Lab File: VF059851.D

Acq: 3 Aug 2018 20:57

Instrument :

MSVOA_F

ClientSampled :

KG-PIT-5

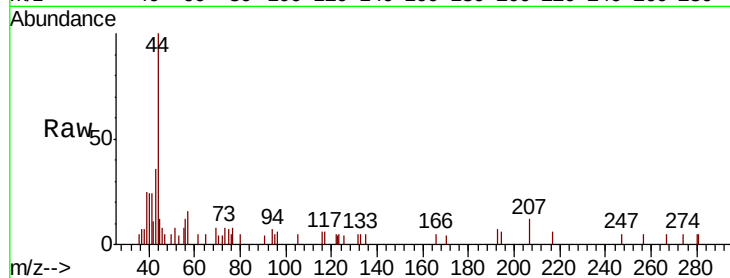
Tot Ion: 96 Resp: 88

Ion Ratio Lower Upper

96 100

61 75.0 157.4 236.0#

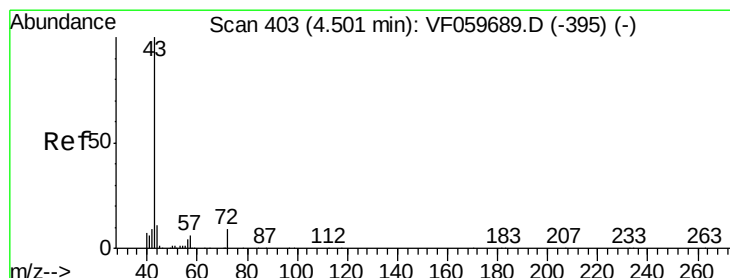
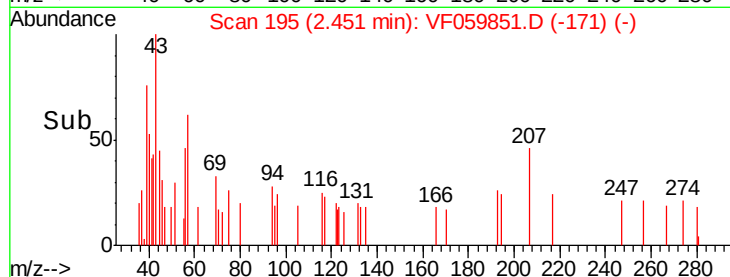
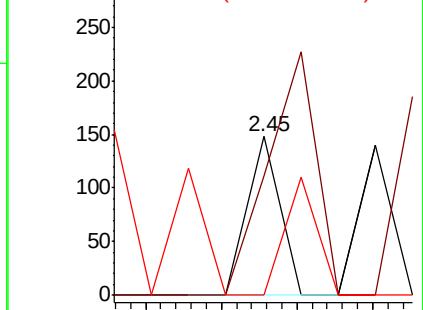
98 0.0 55.0 82.4#



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#25

2-Butanone

Concen: 2.12 ug/l

RT: 4.53 min Scan# 406

Delta R.T. 0.03 min

Lab File: VF059851.D

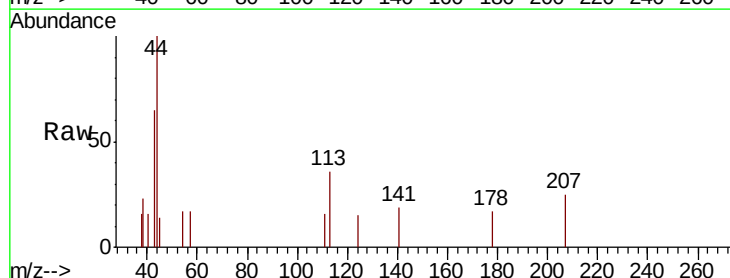
Acq: 3 Aug 2018 20:57

Tgt Ion: 43 Resp: 1044

Ion Ratio Lower Upper

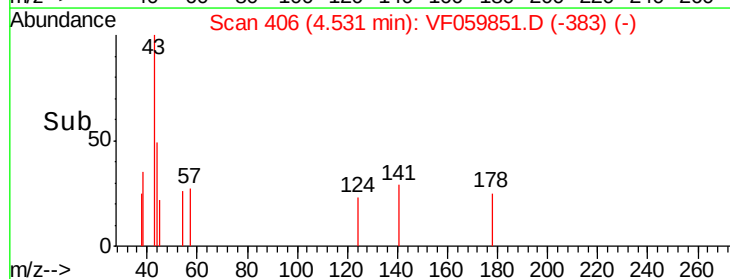
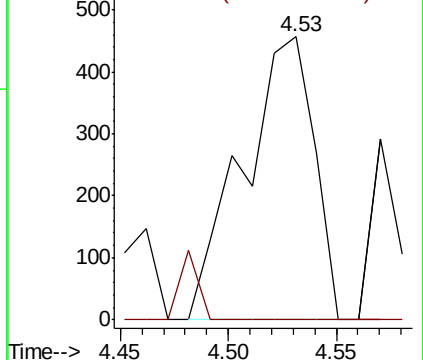
43 100

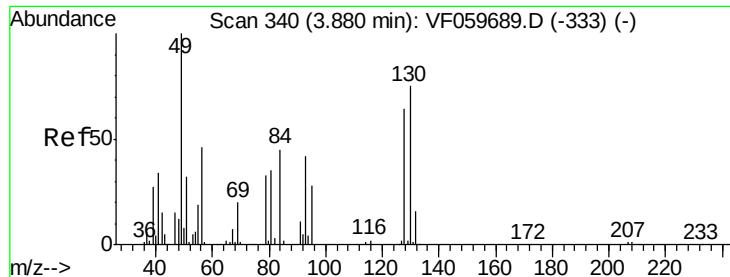
72 0.0 7.7 11.5#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0





#28

Bromochloromethane

Concen: Below Cal

RT: 3.92 min Scan# 344

Delta R.T. 0.04 min

Lab File: VF059851.D

Acq: 3 Aug 2018 20:57

Instrument :

MSVOA_F

ClientSampleId :

KG-PIT-5

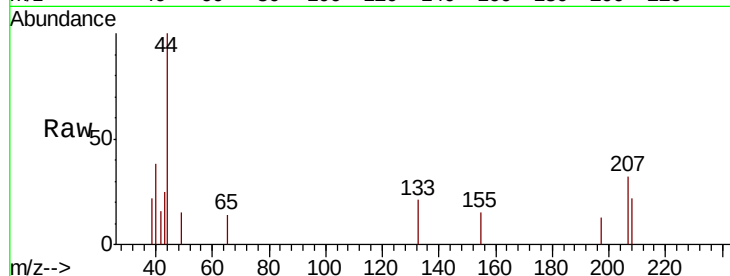
Tot Ion: 49 Resp: 72

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.8

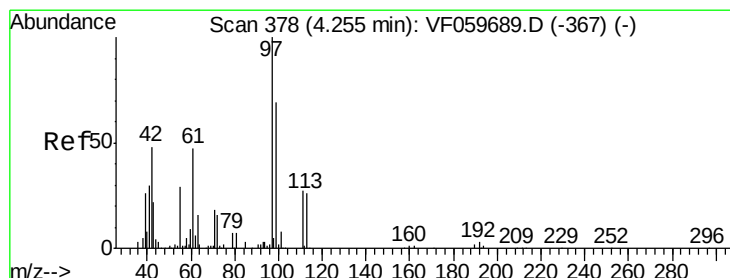
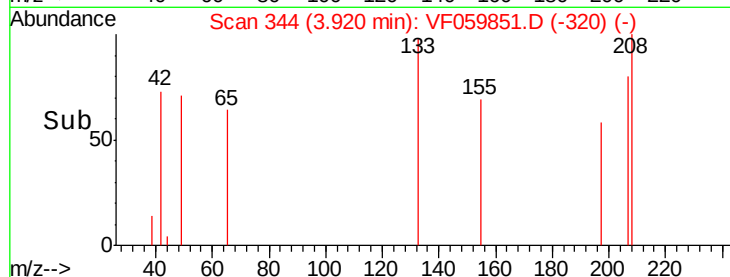
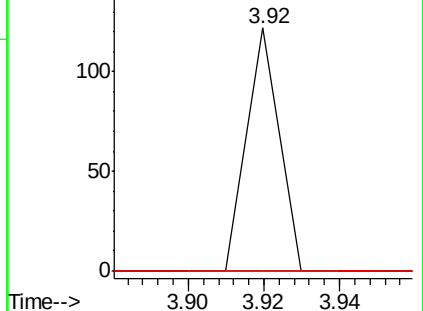
130 0.0 59.6 89.4#



Abundance Ion 49.00 (48.70 to 49.70): VF0

Ion 129.00 (128.70 to 129.70): V

Ion 130.00 (129.70 to 130.70): V



#29

Tetrahydrofuran

Concen: 2.48 ug/l

RT: 4.23 min Scan# 375

Delta R.T. -0.03 min

Lab File: VF059851.D

Acq: 3 Aug 2018 20:57

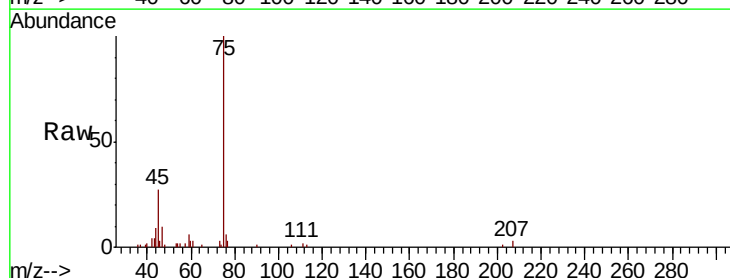
Tgt Ion: 42 Resp: 469

Ion Ratio Lower Upper

42 100

72 0.0 27.0 40.6#

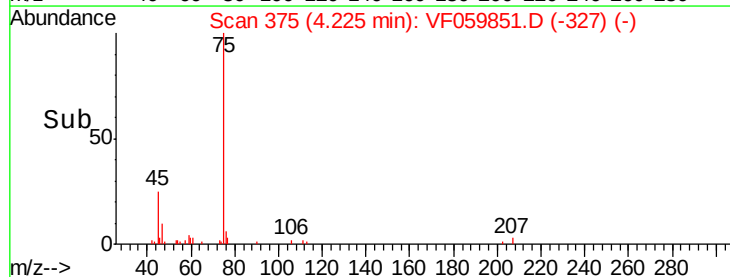
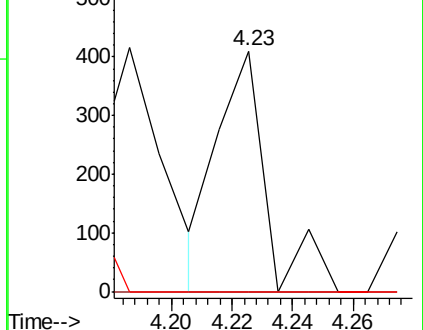
71 0.0 29.7 44.5#

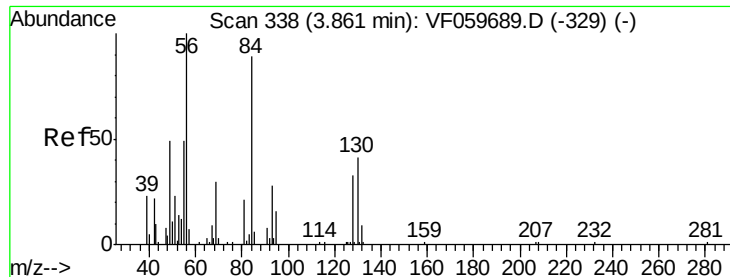


Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0

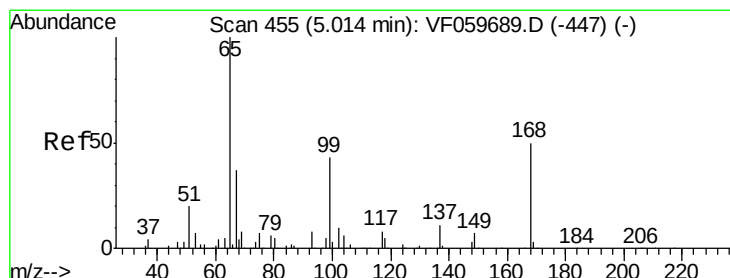
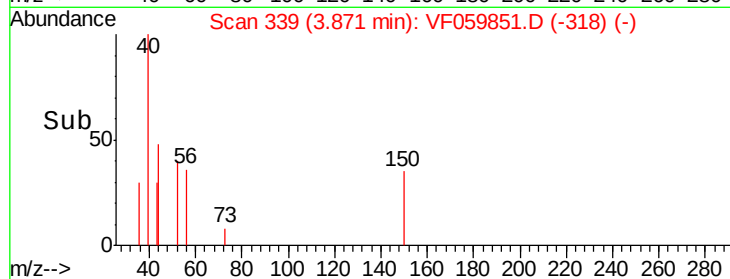
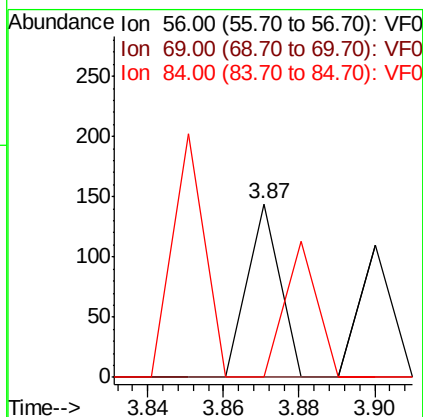
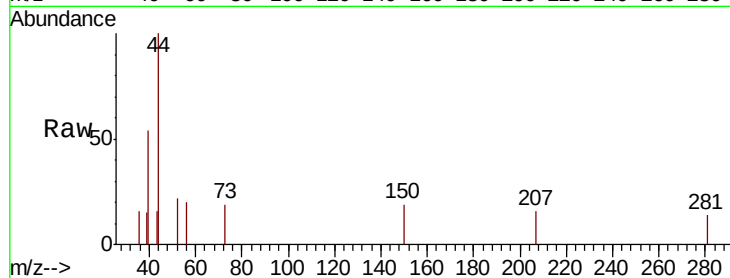




#31
Cyclohexane
Concen: Below Cal
RT: 3.87 min Scan# 339
Delta R.T. 0.01 min
Lab File: VF059851.D
Acq: 3 Aug 2018 20:57

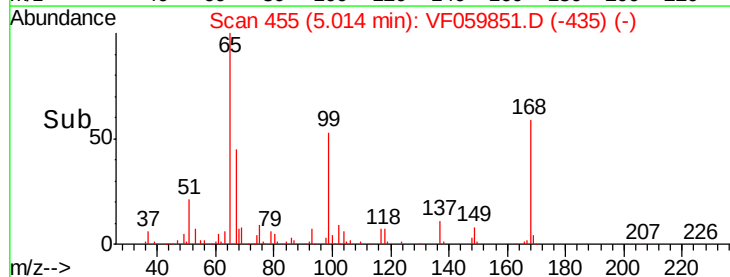
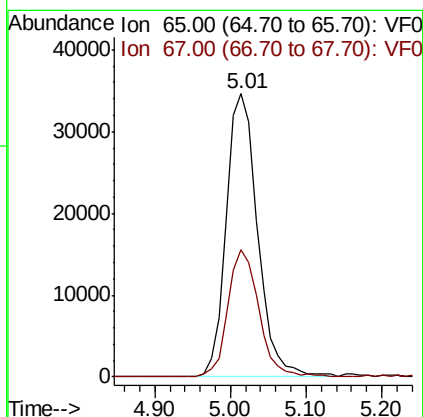
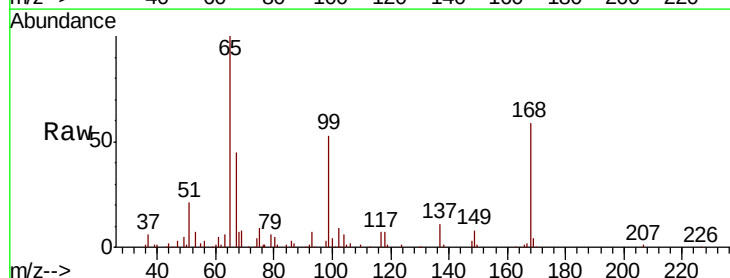
Instrument :
MSVOA_F
ClientSampled :
KG-PIT-5

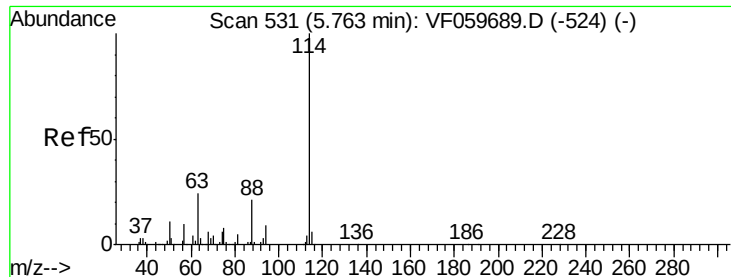
Tot Ion: 56 Resp: 85
Ion Ratio Lower Upper
56 100
69 0.0 23.7 35.5#
84 0.0 71.1 106.7#



#33
1,2-Dichloroethane-d4
Concen: 40.43 ug/l
RT: 5.01 min Scan# 455
Delta R.T. -0.00 min
Lab File: VF059851.D
Acq: 3 Aug 2018 20:57

Tgt Ion: 65 Resp: 99251
Ion Ratio Lower Upper
65 100
67 44.9 0.0 84.6

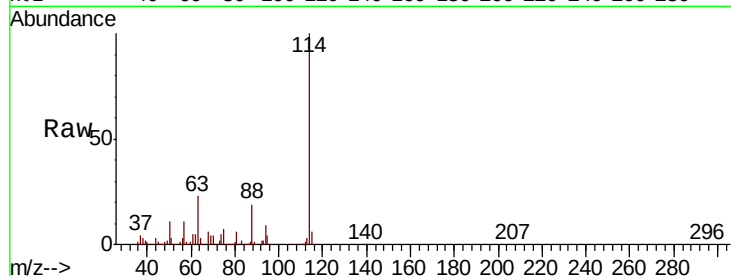




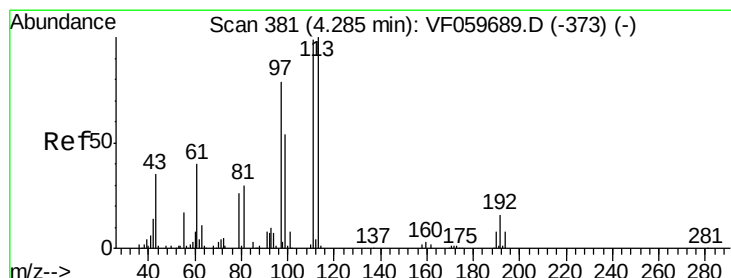
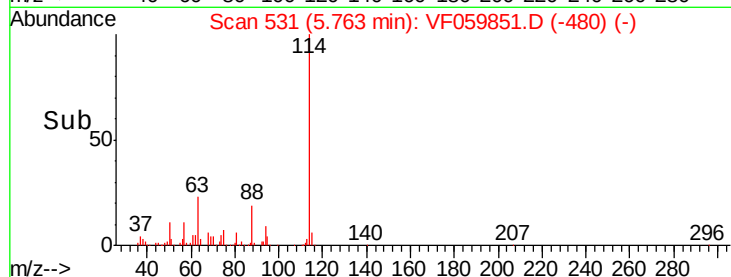
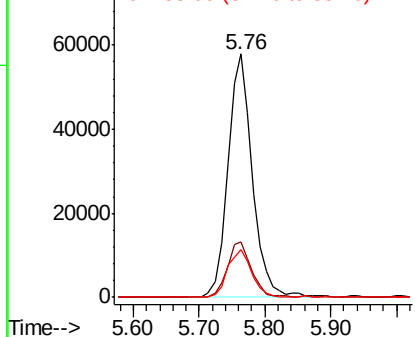
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.76 min Scan# 531
 Delta R.T. -0.00 min
 Lab File: VF059851.D
 Acq: 3 Aug 2018 20:57

Instrument :
 MSVOA_F
 ClientSampleId :
 KG-PIT-5

Tot Ion:114	Resp:	150254
Ion	Ratio	Lower Upper
114	100	
63	23.0	0.0 47.4
88	19.5	0.0 41.2

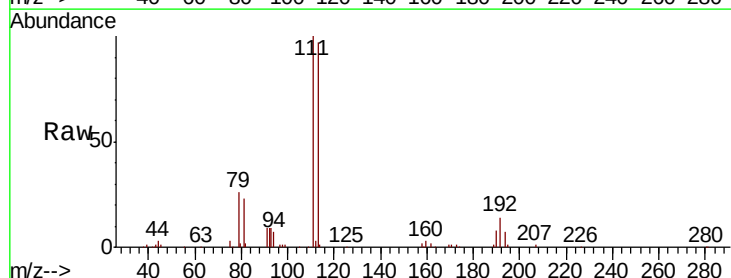


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VF0
 Ion 88.00 (87.70 to 88.70): VF0

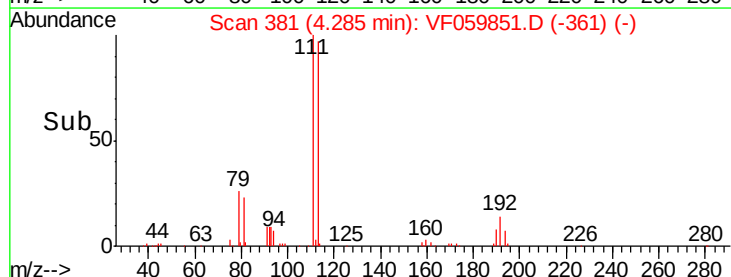
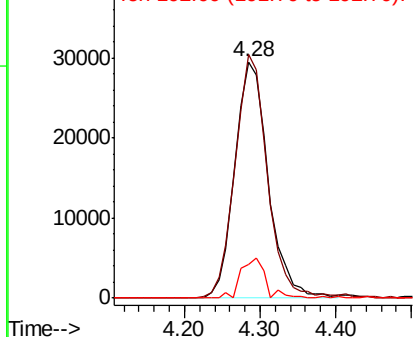


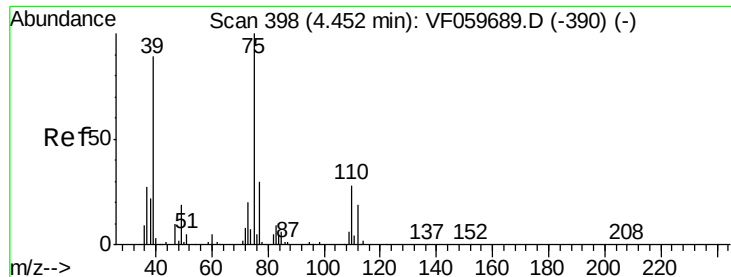
#35
 Dibromofluoromethane
 Concen: 58.06 ug/l
 RT: 4.28 min Scan# 381
 Delta R.T. -0.00 min
 Lab File: VF059851.D
 Acq: 3 Aug 2018 20:57

Tgt Ion:113	Resp:	90612
Ion	Ratio	Lower Upper
113	100	
111	103.1	79.0 118.4
192	14.4	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

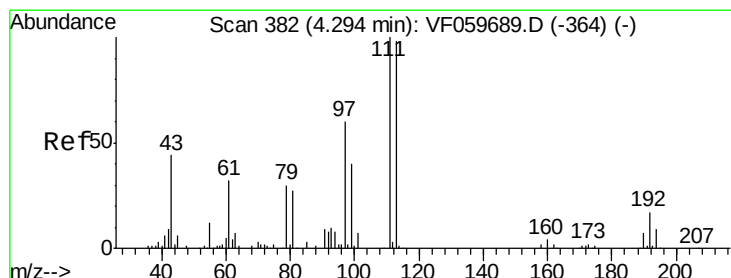
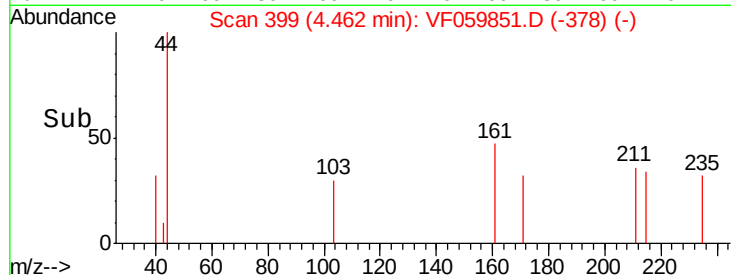
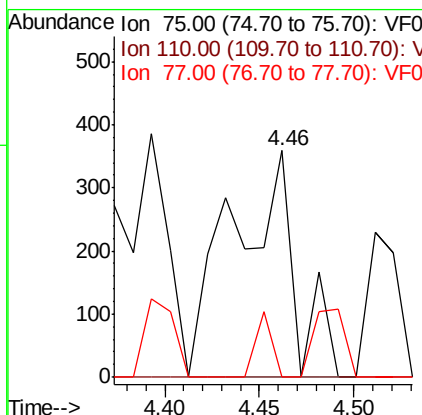
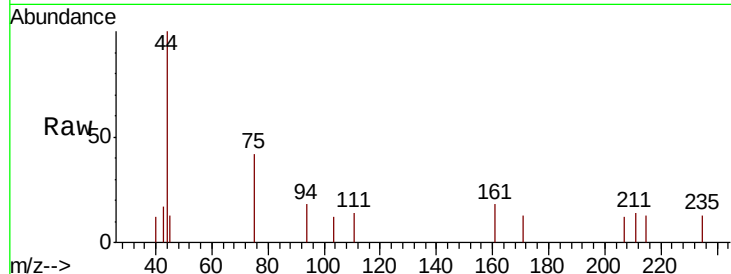




#36
 1,1-Dichloropropene
 Concen: Below Cal
 RT: 4.46 min Scan# 399
 Delta R.T. 0.01 min
 Lab File: VF059851.D
 Acq: 3 Aug 2018 20:57

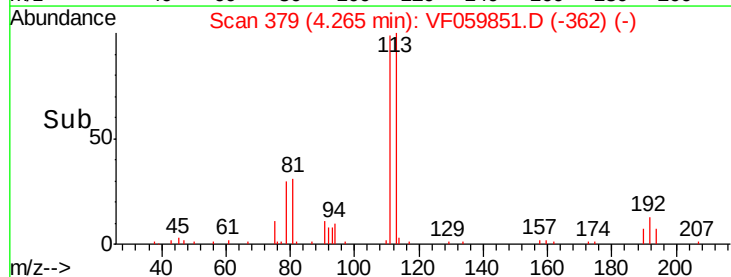
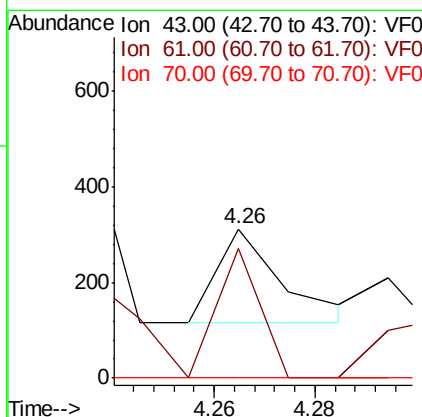
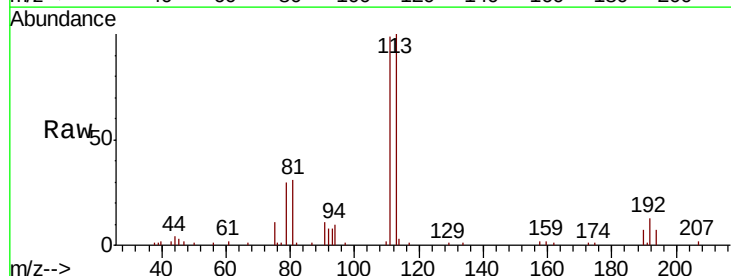
Instrument :
 MSVOA_F
 ClientSampled :
 KG-PIT-5

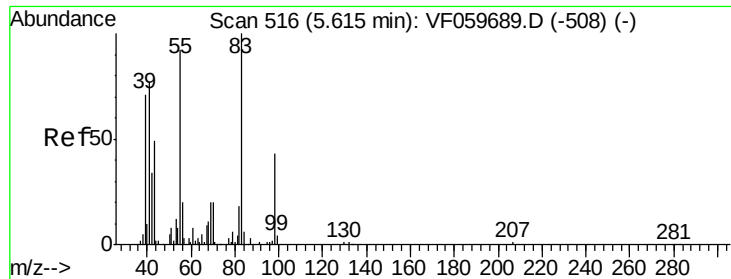
Tot Ion: 75 Resp: 836
 Ion Ratio Lower Upper
 75 100
 110 0.0 14.0 41.9#
 77 0.0 24.2 36.2#



#37
 Ethyl Acetate
 Concen: Below Cal
 RT: 4.26 min Scan# 379
 Delta R.T. -0.03 min
 Lab File: VF059851.D
 Acq: 3 Aug 2018 20:57

Tgt Ion: 43 Resp: 179
 Ion Ratio Lower Upper
 43 100
 61 86.9 58.2 87.2
 70 0.0 6.0 9.0#

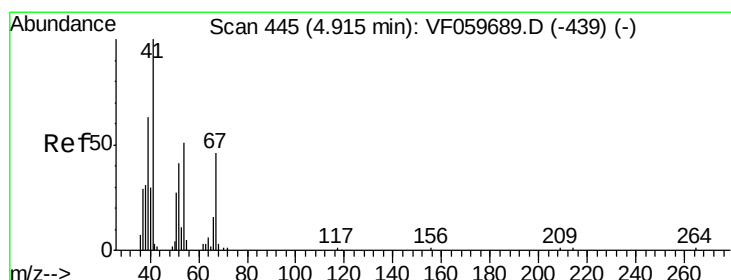
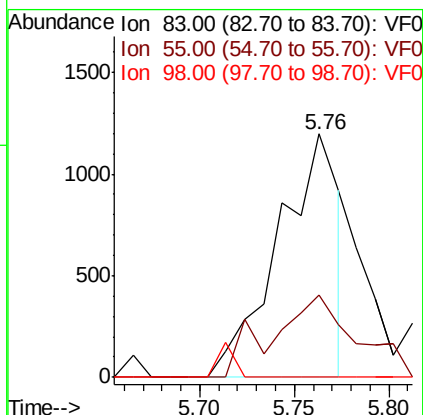
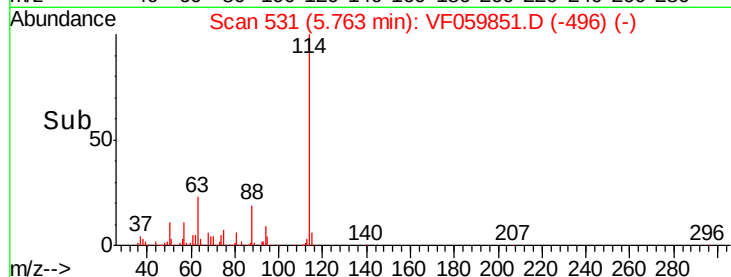
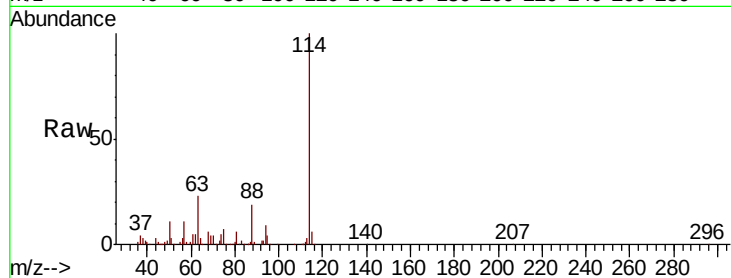




#39
Methylcyclohexane
Concen: Below Cal
RT: 5.76 min Scan# 531
Delta R.T. 0.15 min
Lab File: VF059851.D
Acq: 3 Aug 2018 20:57

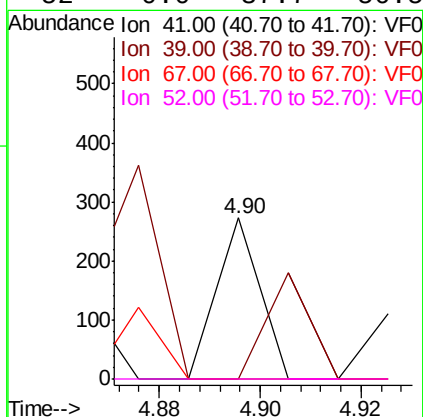
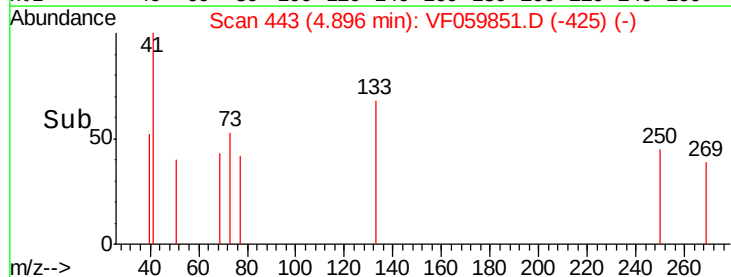
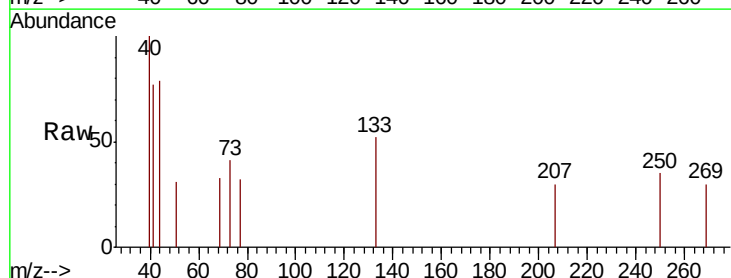
Instrument :
MSVOA_F
ClientSampleId :
KG-PIT-5

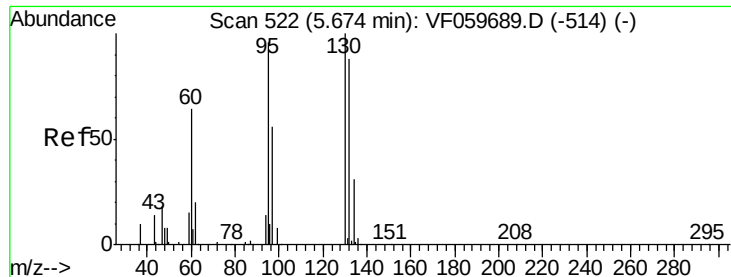
Tot Ion: 83 Resp: 2687
Ion Ratio Lower Upper
83 100
55 34.1 73.4 110.2#
98 0.0 34.2 51.4#



#41
Methacrylonitrile
Concen: Below Cal
RT: 4.90 min Scan# 443
Delta R.T. -0.02 min
Lab File: VF059851.D
Acq: 3 Aug 2018 20:57

Tgt Ion: 41 Resp: 161
Ion Ratio Lower Upper
41 100
39 0.0 55.2 82.8#
67 0.0 36.2 54.2#
52 0.0 37.7 56.5#





#44

Trichloroethene

Concen: Below Cal

RT: 5.65 min Scan# 520

Delta R.T. -0.02 min

Lab File: VF059851.D

Acq: 3 Aug 2018 20:57

Instrument :

MSVOA_F

ClientSampleId :

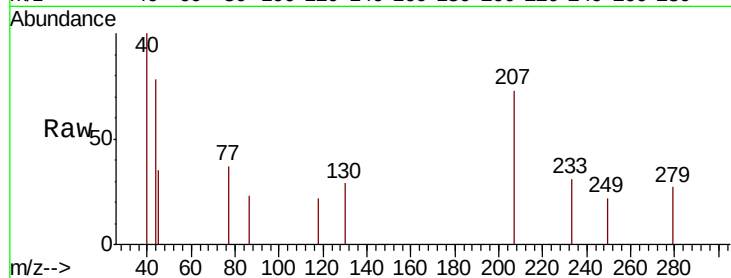
KG-PIT-5

Tot Ion:130 Resp: 82

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

5.65

150

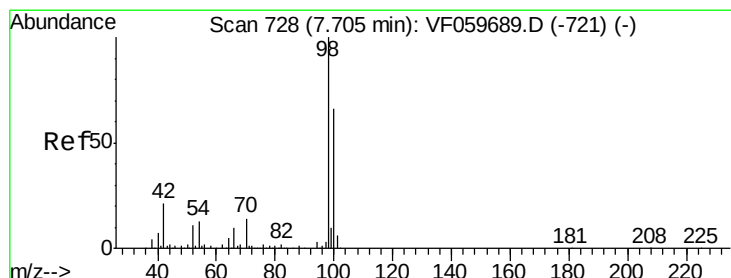
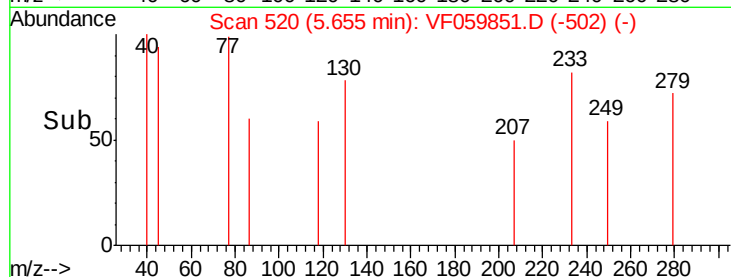
100

50

0

5.62 5.64 5.66 5.68

Time-->



#50

Toluene-d8

Concen: 27.85 ug/l

RT: 7.71 min Scan# 728

Delta R.T. -0.00 min

Lab File: VF059851.D

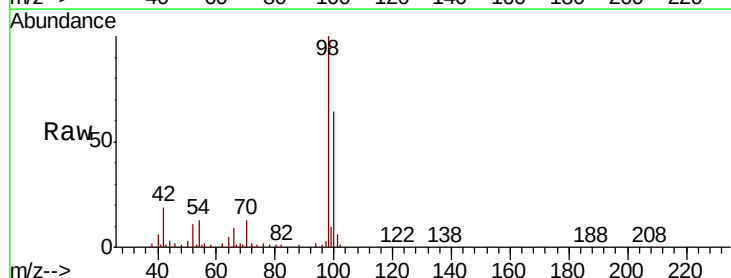
Acq: 3 Aug 2018 20:57

Tgt Ion: 98 Resp: 101371

Ion Ratio Lower Upper

98 100

100 63.6 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF

7.71

50000

40000

30000

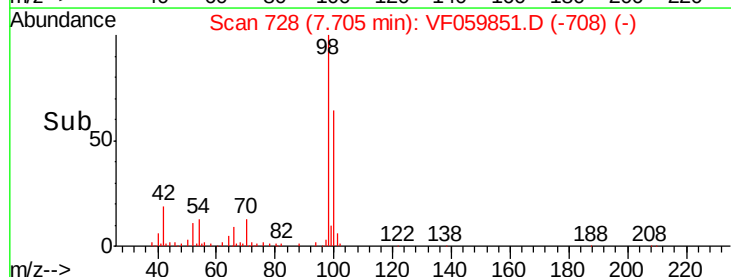
20000

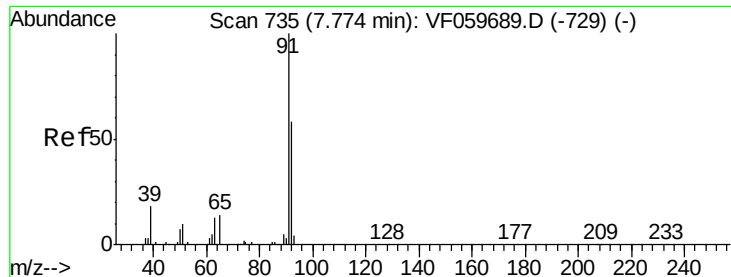
10000

0

7.60 7.70 7.80 7.90

Time-->





#52

Toluene

Concen: Below Cal

RT: 7.78 min Scan# 736

Delta R.T. 0.01 min

Lab File: VF059851.D

Acq: 3 Aug 2018 20:57

Instrument :

MSVOA_F

ClientSampled :

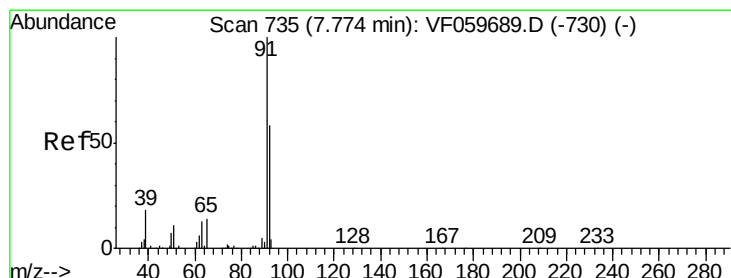
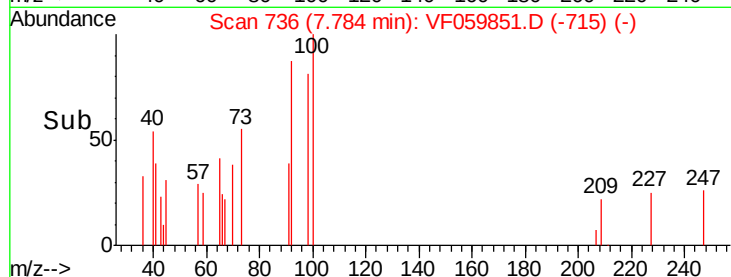
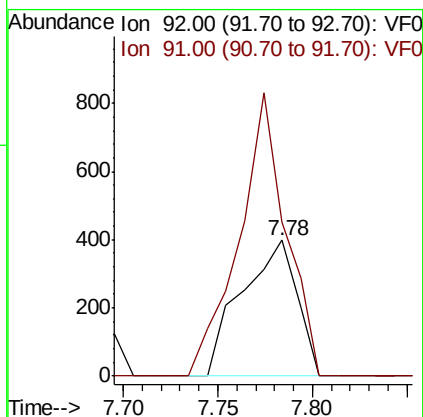
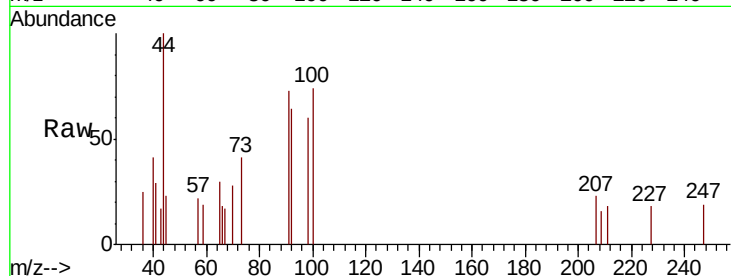
KG-PIT-5

Tot Ion: 92 Resp: 811

Ion Ratio Lower Upper

92 100

91 113.0 139.0 208.4#



#58

2-Chloroethyl Vinyl ether

Concen: 2.11 ug/l

RT: 7.75 min Scan# 733

Delta R.T. -0.02 min

Lab File: VF059851.D

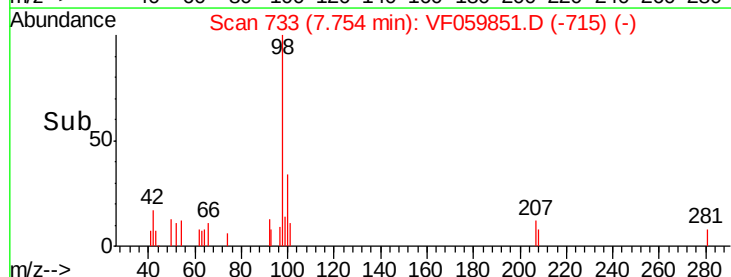
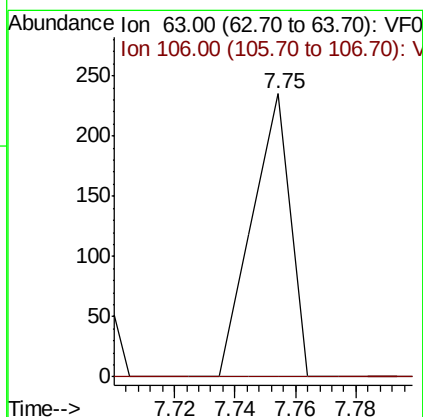
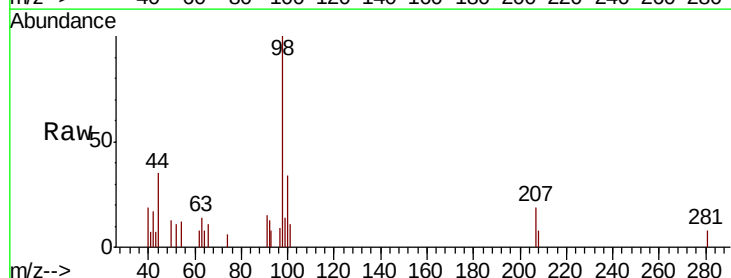
Acq: 3 Aug 2018 20:57

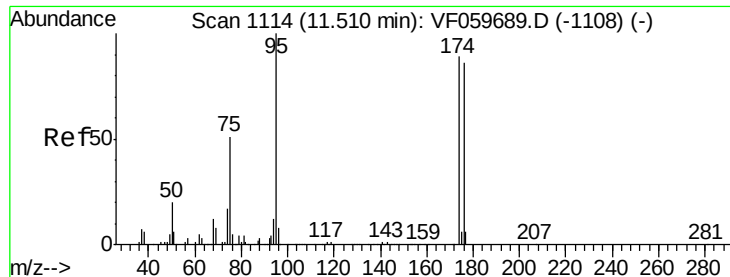
Tgt Ion: 63 Resp: 209

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





#62

4-Bromofluorobenzene

Concen: 5.31 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VF059851.D

Acq: 3 Aug 2018 20:57

Instrument :

MSVOA_F

ClientSampleId :

KG-PIT-5

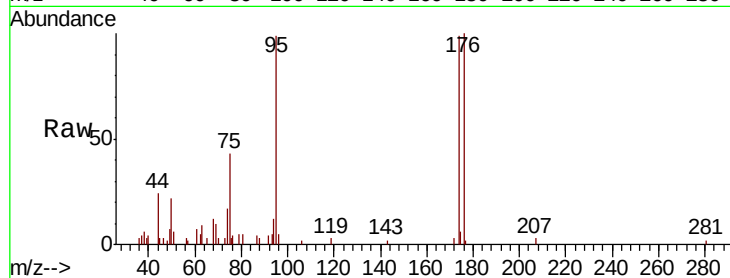
Tot Ion: 95 Resp: 10704

Ion Ratio Lower Upper

95 100

174 106.5 0.0 178.4

176 101.4 0.0 173.0

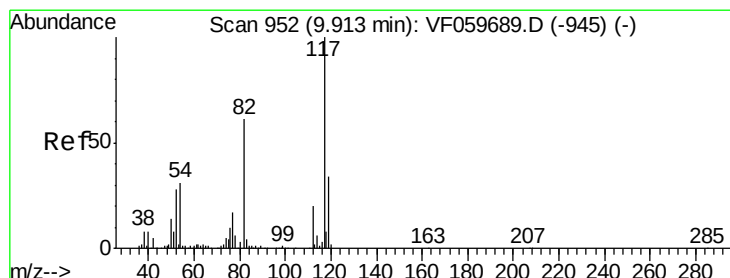
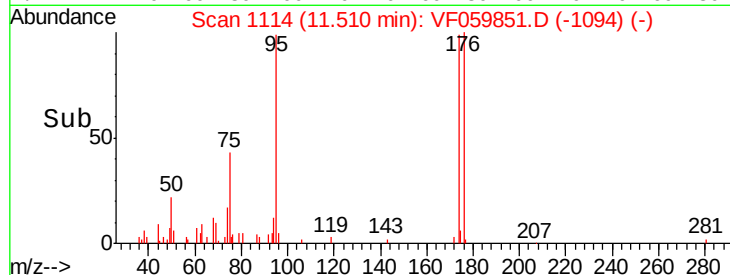
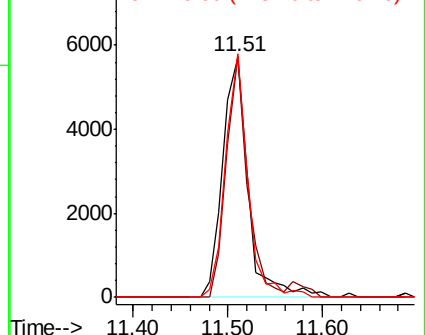


Abundance

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: VF059851.D

Acq: 3 Aug 2018 20:57

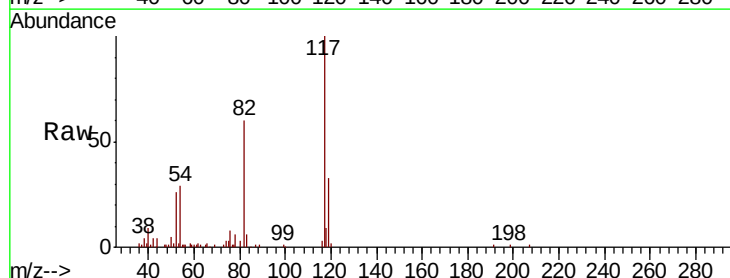
Tgt Ion: 117 Resp: 49907

Ion Ratio Lower Upper

117 100

82 60.5 49.0 73.4

119 32.9 27.3 40.9

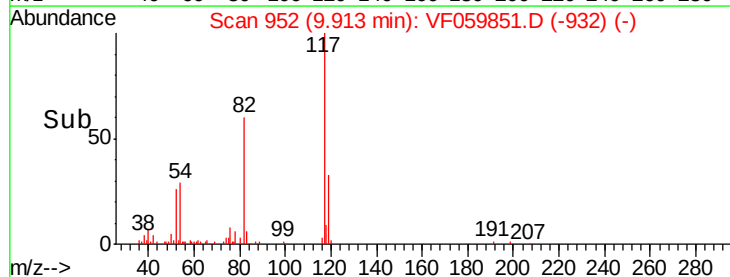
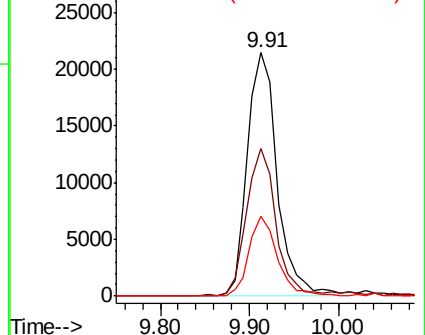


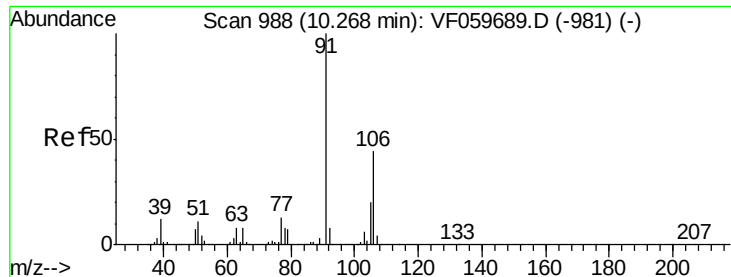
Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V

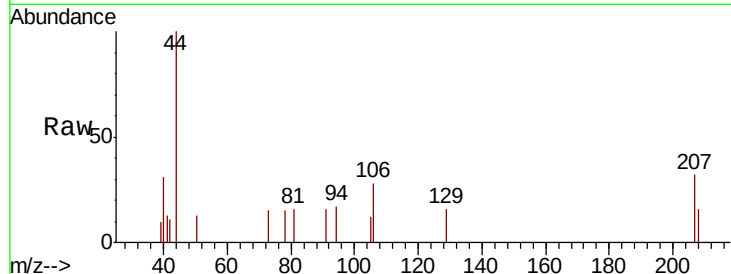




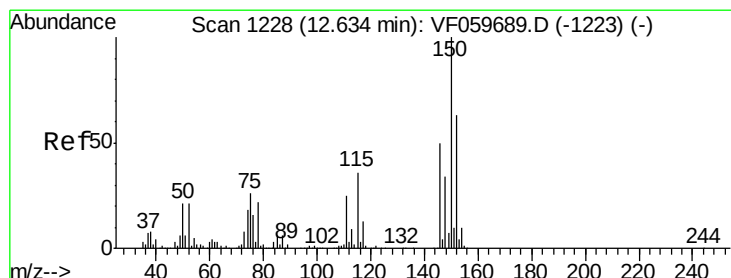
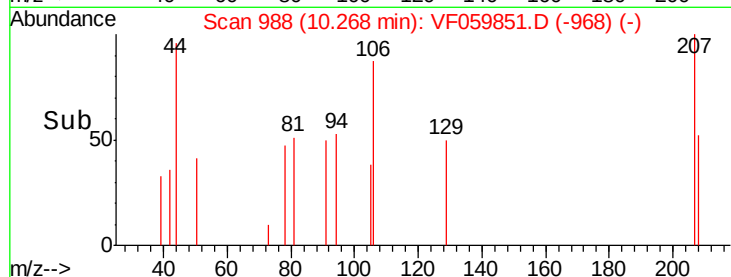
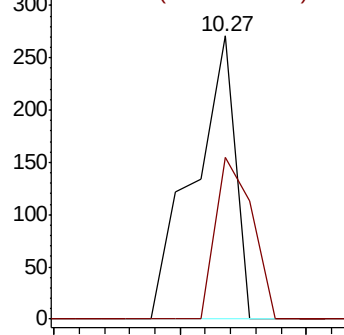
#68
m/p-Xvlenes
Concen: Below Cal
RT: 10.27 min Scan# 988
Delta R.T. 0.00 min
Lab File: VF059851.D
Acq: 3 Aug 2018 20:57

Instrument :
MSVOA_F
ClientSampled :
KG-PIT-5

Tot Ion:106 Resp: 312
Ion Ratio Lower Upper
106 100
91 57.2 181.7 272.5#

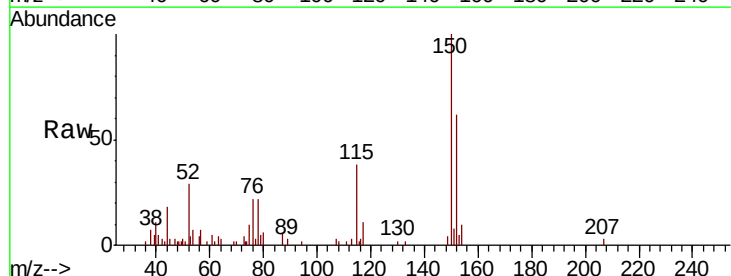


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

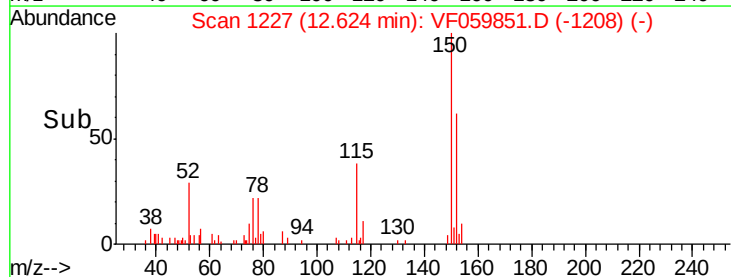
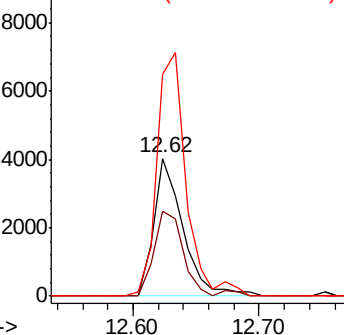


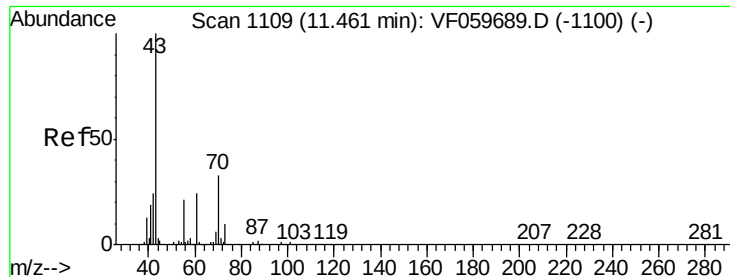
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.62 min Scan# 1227
Delta R.T. -0.01 min
Lab File: VF059851.D
Acq: 3 Aug 2018 20:57

Tgt Ion:152 Resp: 6474
Ion Ratio Lower Upper
152 100
115 64.0 28.2 84.6
150 160.9 0.0 316.2



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





#74

N-amvl acetate

Concen: 3.76 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VF059851.D

Acq: 3 Aug 2018 20:57

Instrument :

MSVOA_F

ClientSampleId :

KG-PIT-5

Tot Ion: 43 Resp: 403

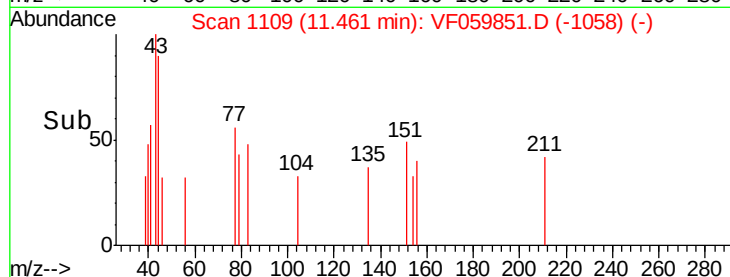
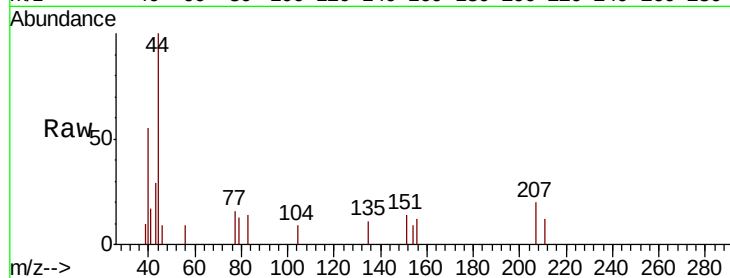
Ion Ratio Lower Upper

43 100

70 0.0 26.3 39.5#

55 0.0 16.6 25.0#

61 0.0 19.1 28.7#

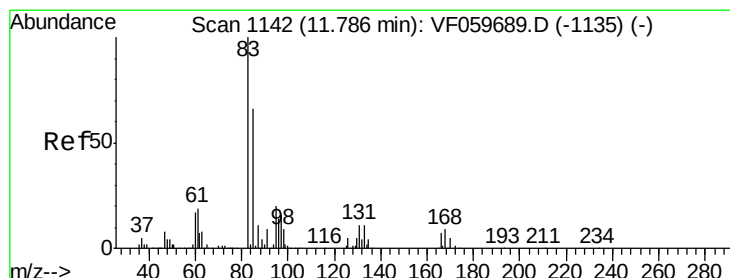
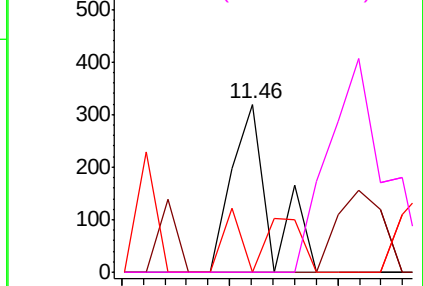


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0



#75

1,1,2,2-Tetrachloroethane

Concen: 3.13 ug/l

RT: 11.74 min Scan# 1137

Delta R.T. -0.05 min

Lab File: VF059851.D

Acq: 3 Aug 2018 20:57

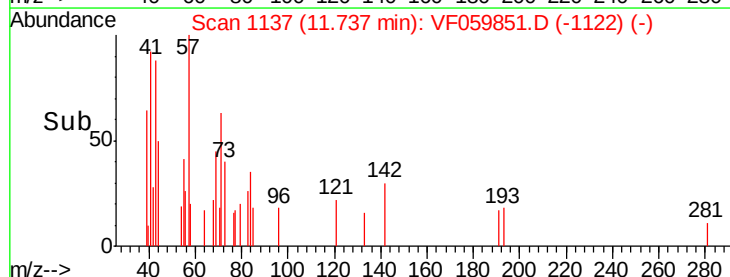
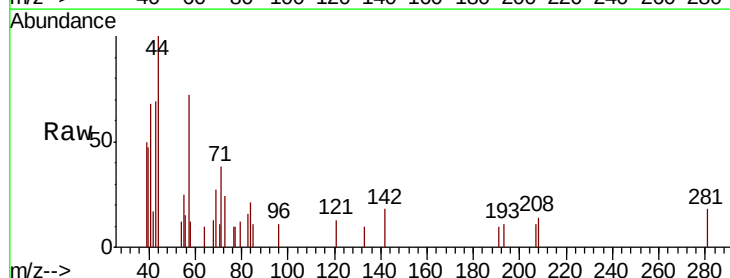
Tgt Ion: 83 Resp: 250

Ion Ratio Lower Upper

83 100

131 0.0 5.8 17.3#

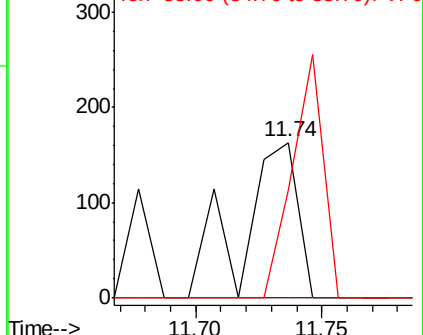
85 69.3 32.8 98.3

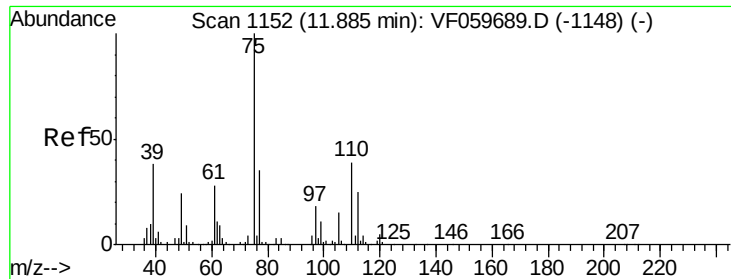


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0





#76

1,2,3-Trichloropropane

Concen: 1.38 ug/l

RT: 11.83 min Scan# 1146

Delta R.T. -0.06 min

Lab File: VF059851.D

Acq: 3 Aug 2018 20:57

Instrument :

MSVOA_F

ClientSampled :

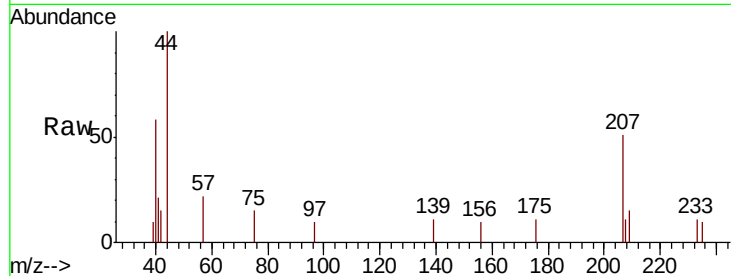
KG-PIT-5

Tot Ion: 75 Resp: 94

Ion Ratio Lower Upper

75 100

77 0.0 18.0 54.0#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

250

200

150

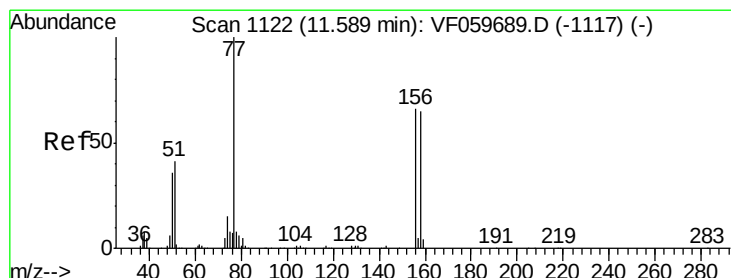
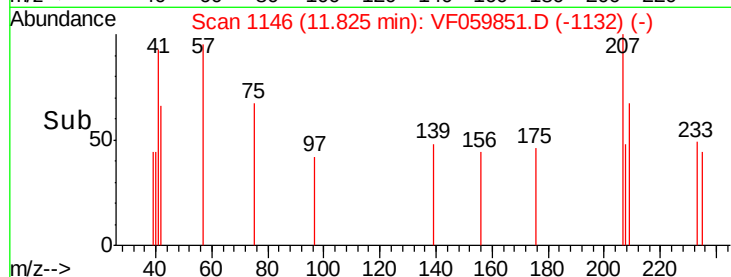
100

50

0

11.80 11.82 11.84

Time-->



#77

Bromobenzene

Concen: 1.15 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VF059851.D

Acq: 3 Aug 2018 20:57

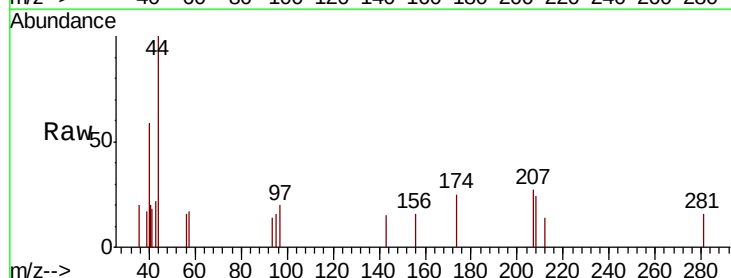
Tgt Ion: 156 Resp: 128

Ion Ratio Lower Upper

156 100

77 0.0 75.2 225.6#

158 0.0 49.1 147.3#



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V

300

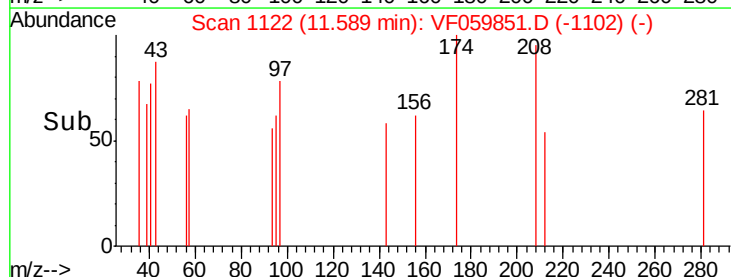
200

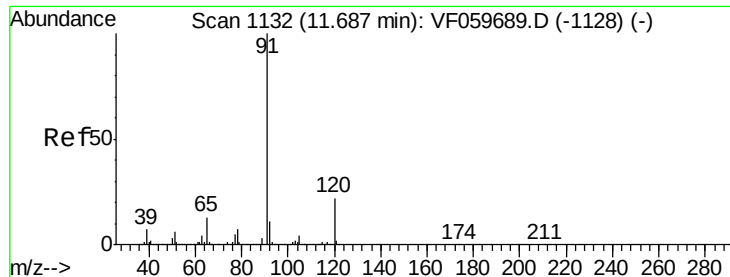
100

0

11.55 11.60

Time-->





#78

n-propylbenzene

Concen: Below Cal

RT: 11.68 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VF059851.D

Acq: 3 Aug 2018 20:57

Instrument :

MSVOA_F

ClientSampleId :

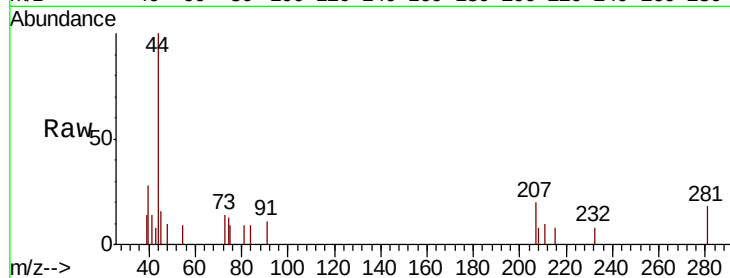
KG-PIT-5

Tot Ion: 91 Resp: 90

Ion Ratio Lower Upper

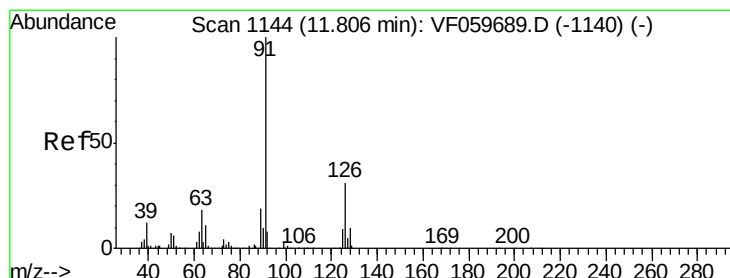
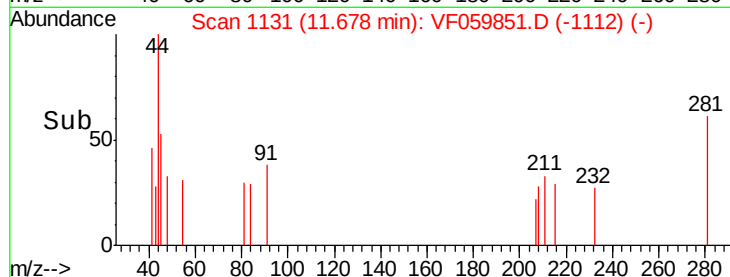
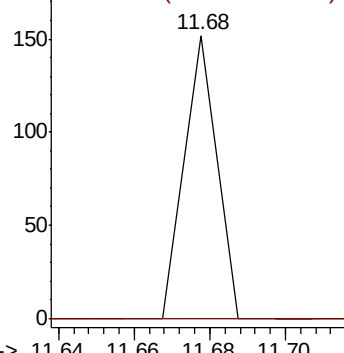
91 100

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: 11.75 min Scan# 1138

Delta R.T. -0.06 min

Lab File: VF059851.D

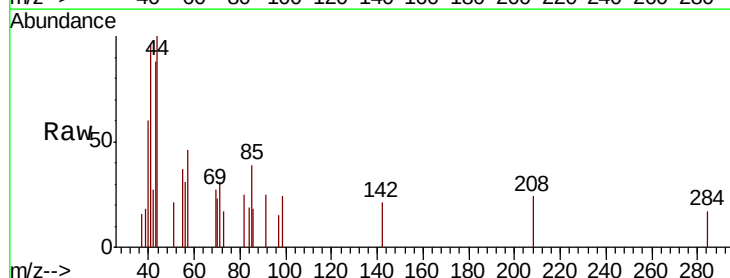
Acq: 3 Aug 2018 20:57

Tgt Ion: 91 Resp: 98

Ion Ratio Lower Upper

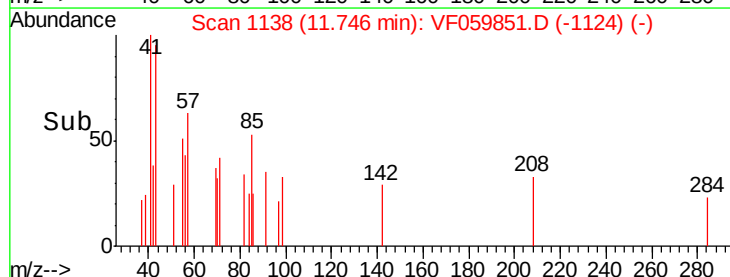
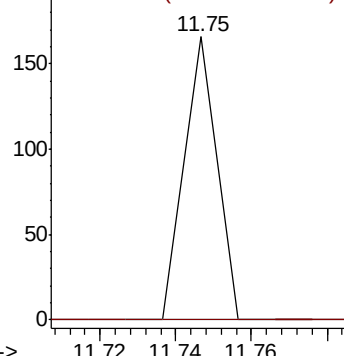
91 100

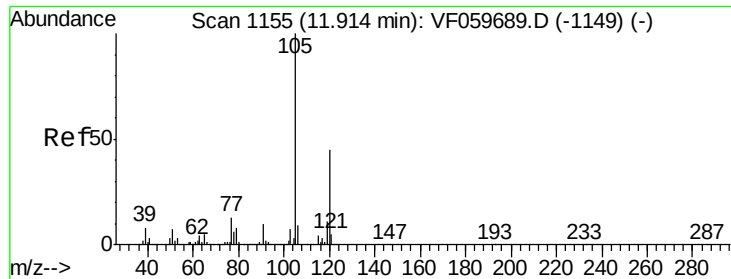
126 0.0 15.4 46.2#



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: 11.81 min Scan# 1144

Delta R.T. -0.11 min

Lab File: VF059851.D

Acq: 3 Aug 2018 20:57

Instrument :

MSVOA_F

ClientSampled :

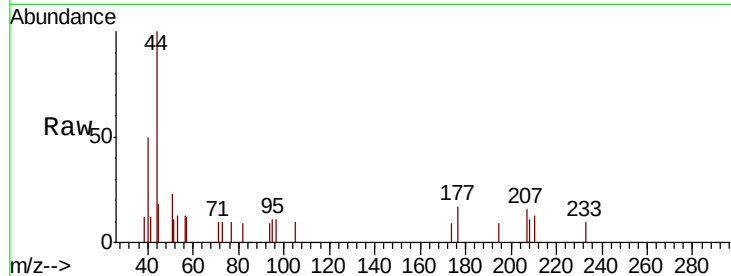
KG-PIT-5

Tot Ion:105 Resp: 64

Ion Ratio Lower Upper

105 100

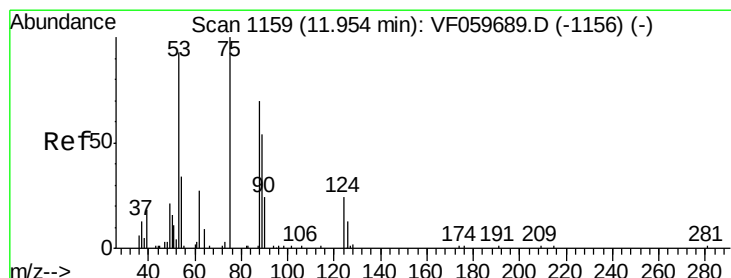
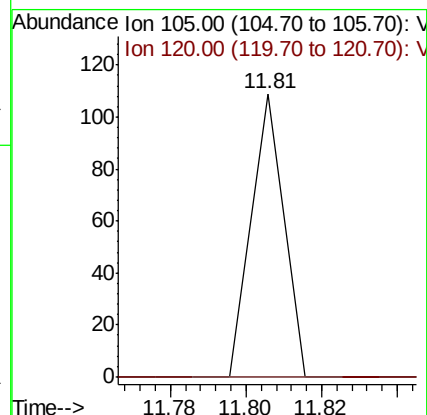
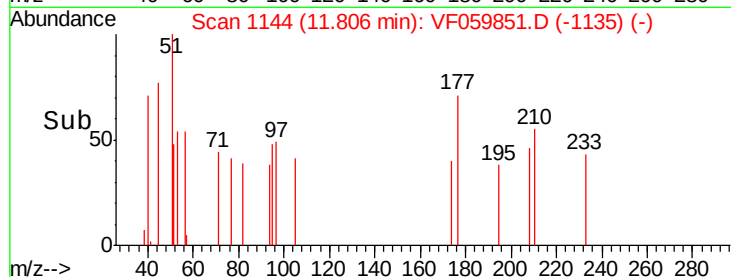
120 0.0 22.7 68.0#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.81



#81

trans-1,4-Dichloro-2-butene

Concen: 2.20 ug/l

RT: 11.95 min Scan# 1159

Delta R.T. -0.00 min

Lab File: VF059851.D

Acq: 3 Aug 2018 20:57

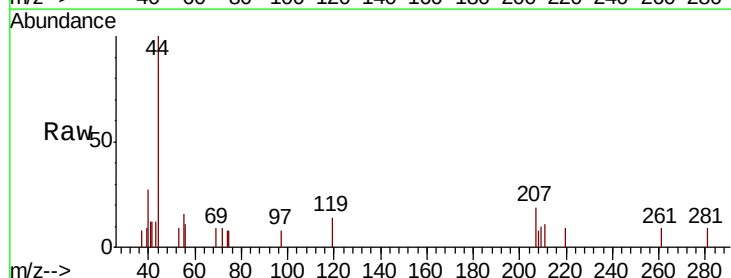
Tgt Ion: 75 Resp: 62

Ion Ratio Lower Upper

75 100

53 108.6 78.3 117.5

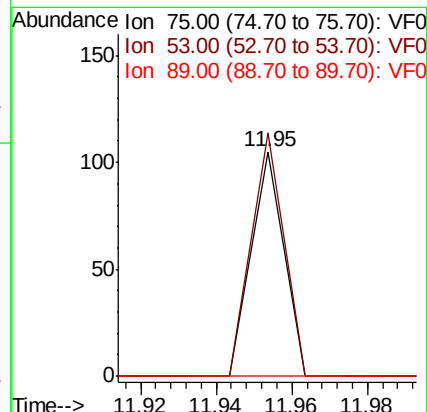
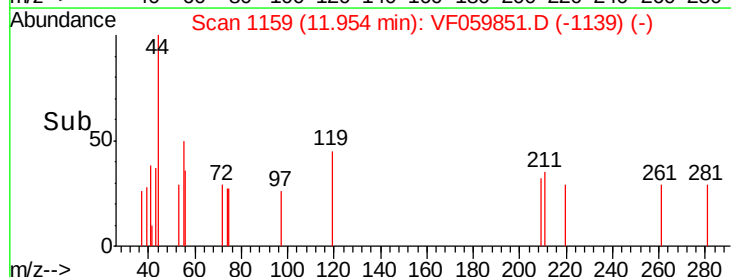
89 0.0 45.4 68.2#

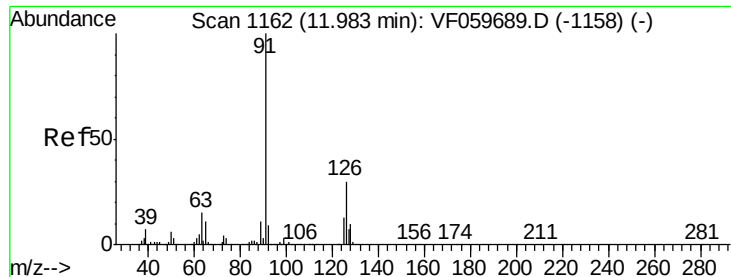


Abundance Ion 75.00 (74.70 to 75.70): VF0

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: 12.01 min Scan# 1165

Delta R.T. 0.03 min

Lab File: VF059851.D

Acq: 3 Aug 2018 20:57

Instrument :

MSVOA_F

ClientSampleId :

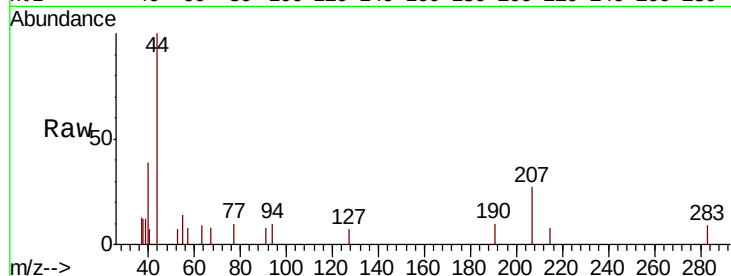
KG-PIT-5

Tot Ion: 91 Resp: 73

Ion Ratio Lower Upper

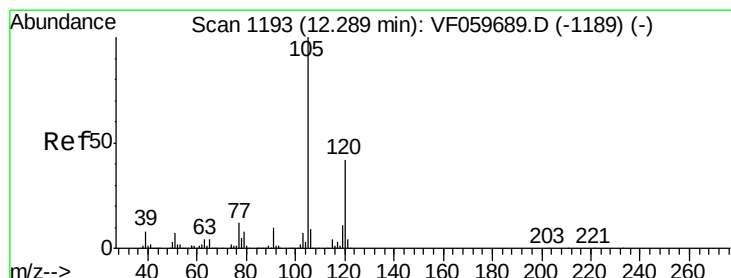
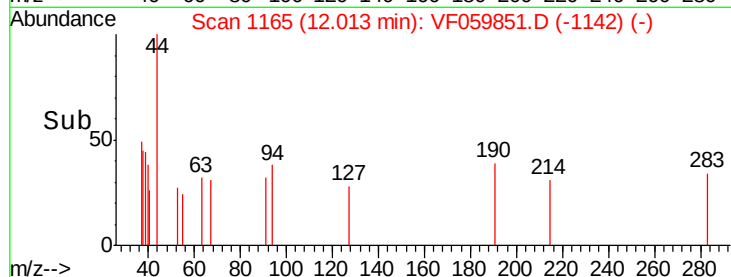
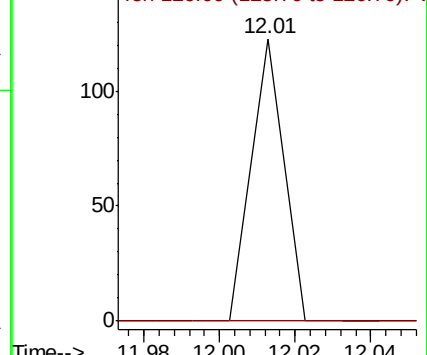
91 100

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: VF059851.D

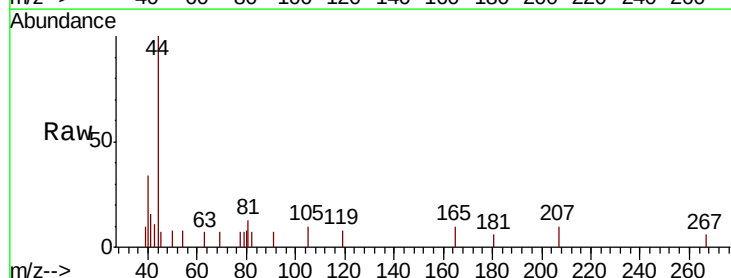
Acq: 3 Aug 2018 20:57

Tgt Ion:105 Resp: 254

Ion Ratio Lower Upper

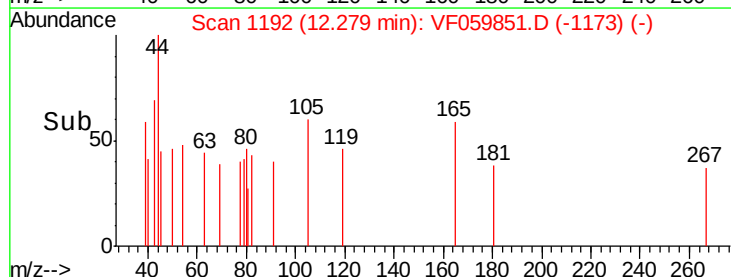
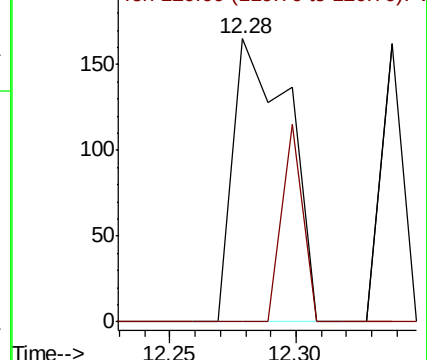
105 100

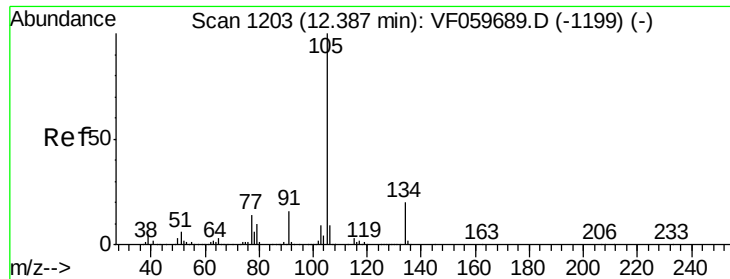
120 0.0 21.1 63.3#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

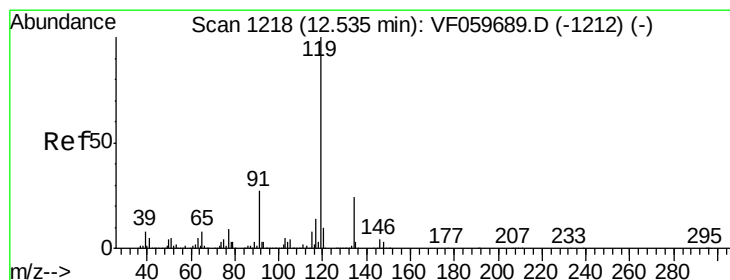
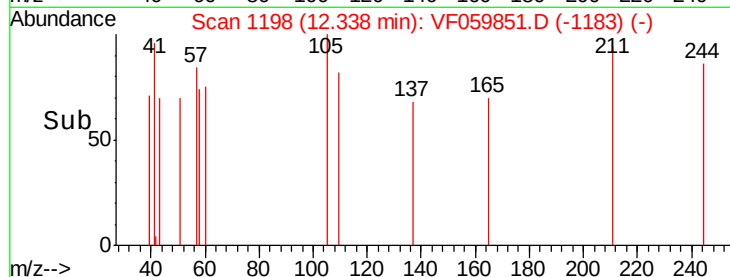
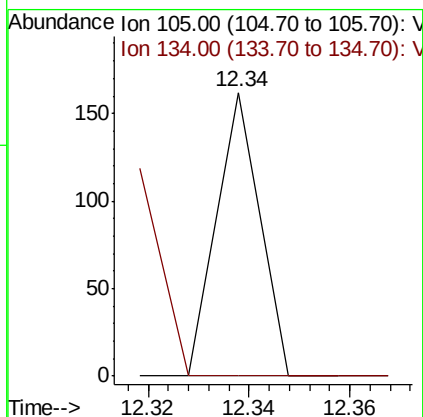
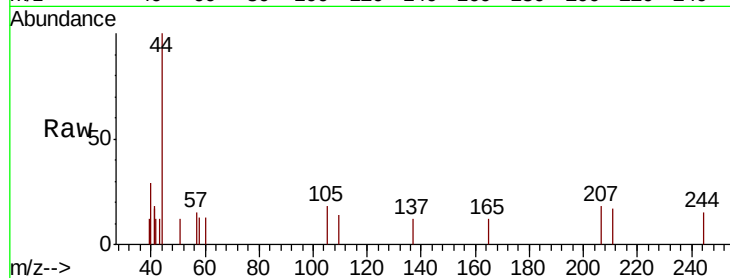




#85
 sec-Butylbenzene
 Concen: Below Cal
 RT: 12.34 min Scan# 1198
 Delta R.T. -0.05 min
 Lab File: VF059851.D
 Acq: 3 Aug 2018 20:57

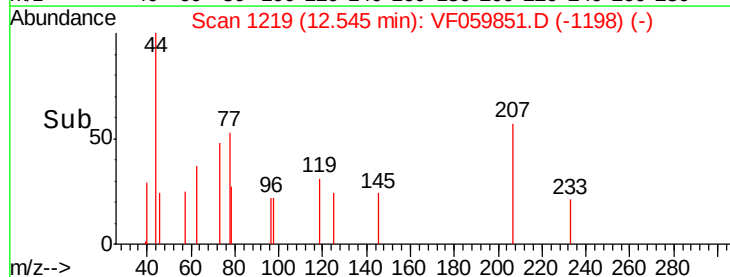
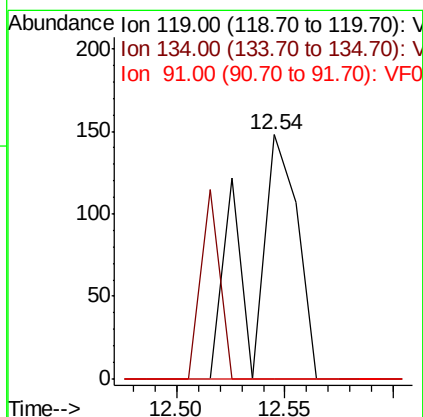
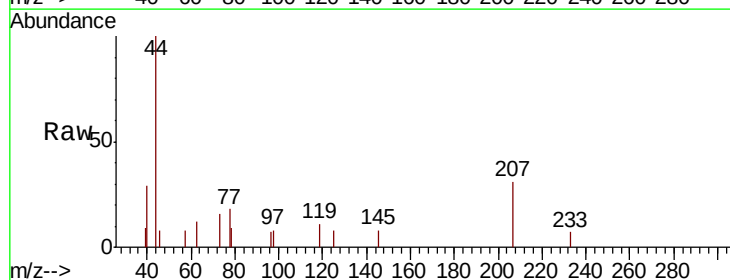
Instrument :
 MSVOA_F
 ClientSampleId :
 KG-PIT-5

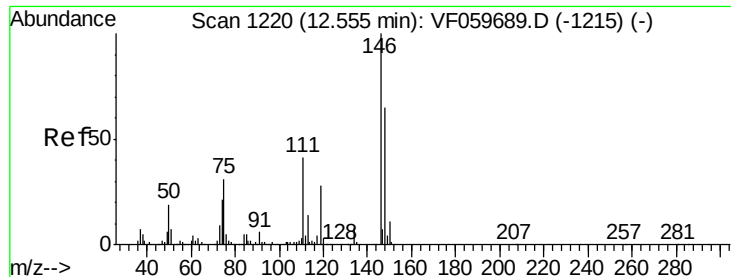
Tot Ion:105 Resp: 96
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.8 29.3#



#86
 p-Isopropyltoluene
 Concen: Below Cal
 RT: 12.54 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VF059851.D
 Acq: 3 Aug 2018 20:57

Tgt Ion:119 Resp: 223
 Ion Ratio Lower Upper
 119 100
 134 0.0 12.2 36.6#
 91 0.0 13.4 40.2#

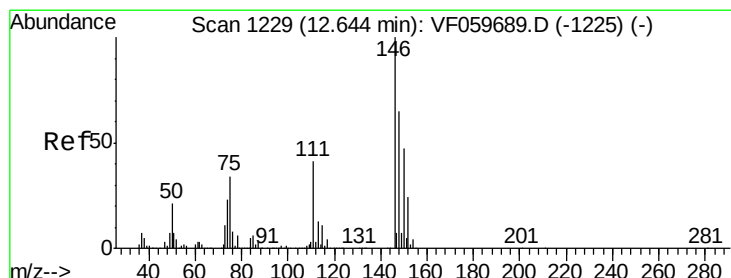
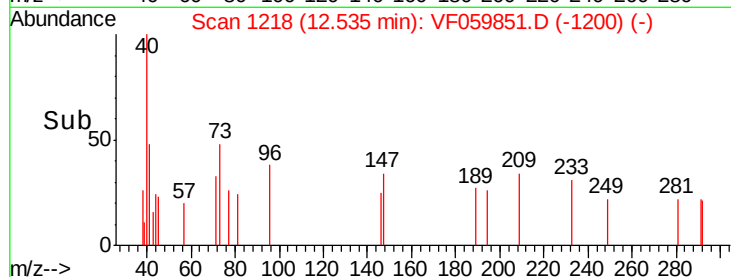
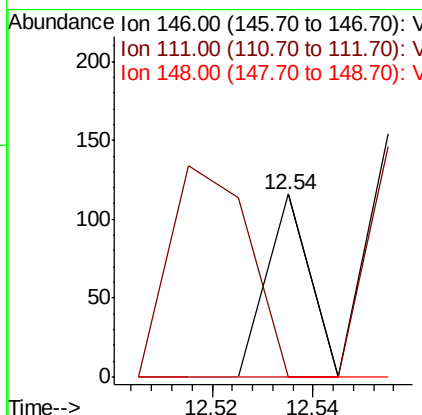
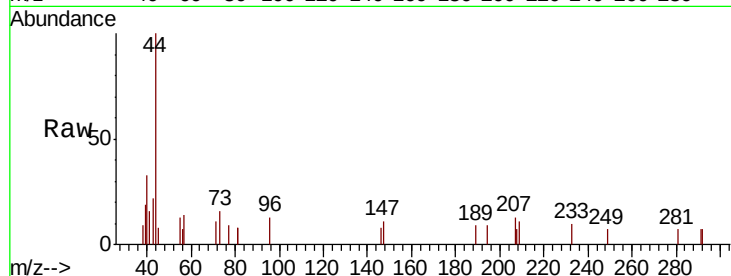




#87
 1,3-Dichlorobenzene
 Concen: Below Cal
 RT: 12.54 min Scan# 1218
 Delta R.T. -0.02 min
 Lab File: VF059851.D
 Acq: 3 Aug 2018 20:57

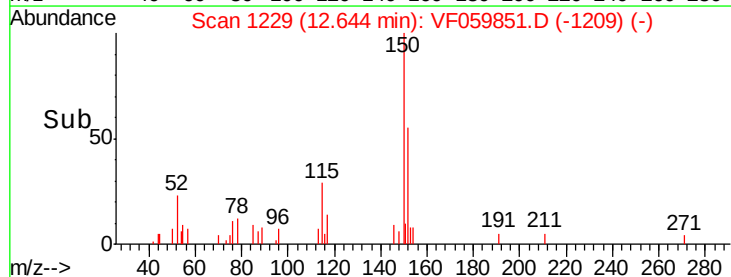
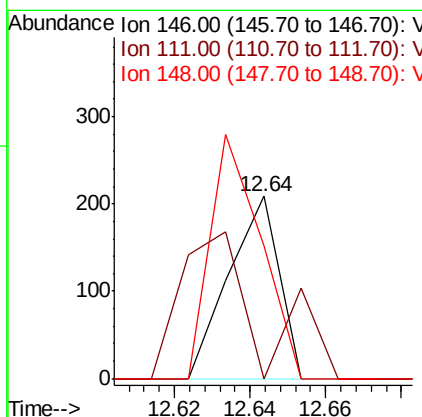
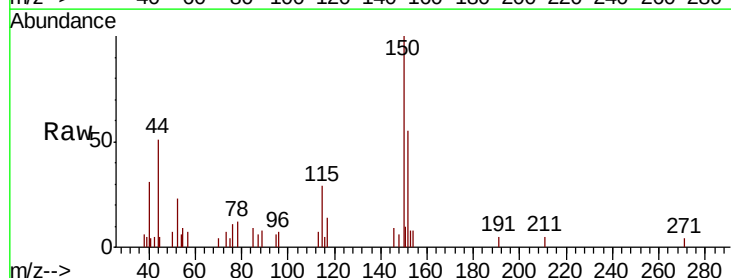
Instrument :
 MSVOA_F
 ClientSampled :
 KG-PIT-5

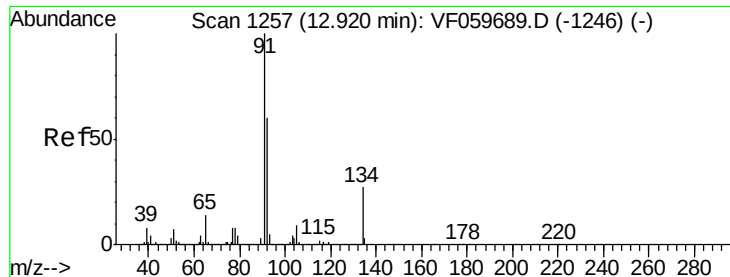
Tot Ion:146 Resp: 69
 Ion Ratio Lower Upper
 146 100
 111 0.0 20.7 62.1#
 148 0.0 32.3 96.8#



#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 12.64 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VF059851.D
 Acq: 3 Aug 2018 20:57

Tgt Ion:146 Resp: 190
 Ion Ratio Lower Upper
 146 100
 111 0.0 20.8 62.2#
 148 72.7 32.3 96.9





#89

n-Butylbenzene

Concen: Below Cal

RT: 12.92 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VF059851.D

Acq: 3 Aug 2018 20:57

Instrument :

MSVOA_F

ClientSampleId :

KG-PIT-5

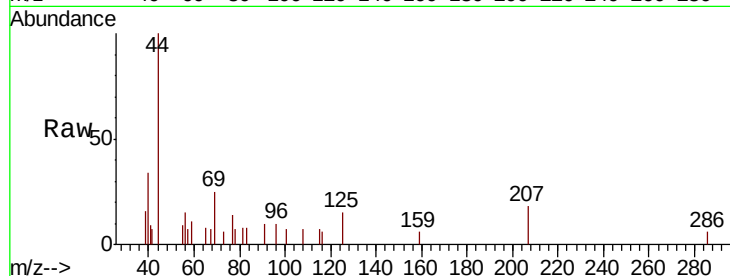
Tot Ion: 91 Resp: 249

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

250

200

150

100

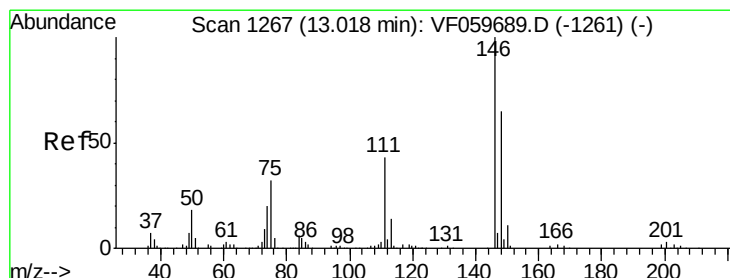
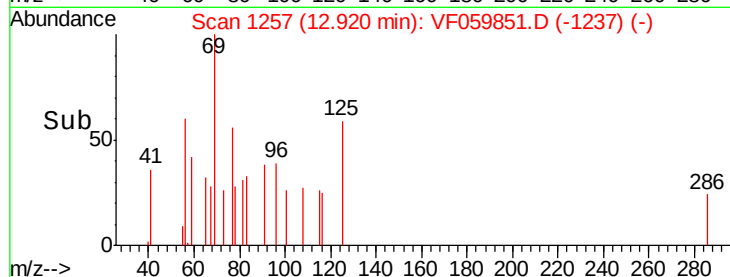
50

0

12.92

12.95

Time-->



#91

1,2-Dichlorobenzene

Concen: Below Cal

RT: 13.04 min Scan# 1269

Delta R.T. 0.02 min

Lab File: VF059851.D

Acq: 3 Aug 2018 20:57

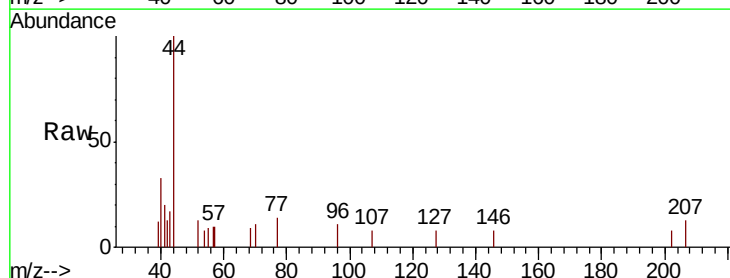
Tgt Ion: 146 Resp: 62

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

100

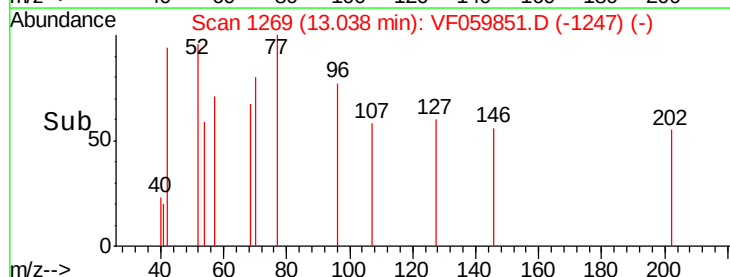
50

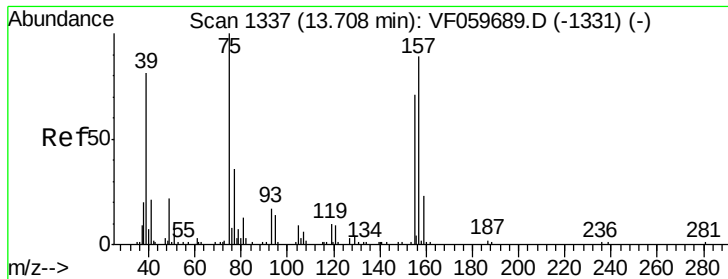
0

13.04

13.06

Time-->

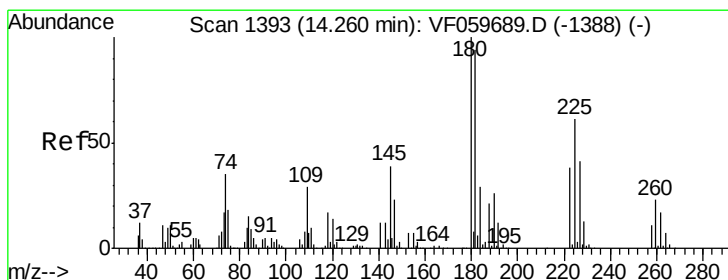
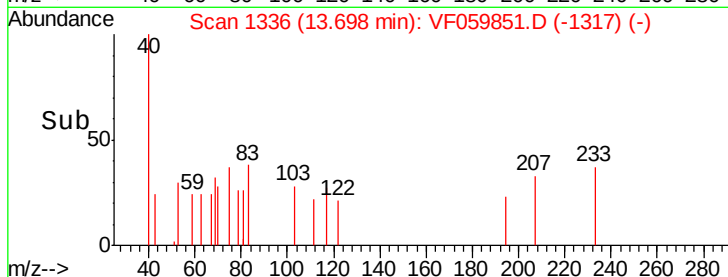
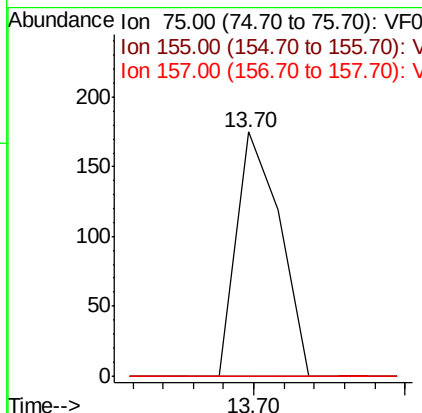
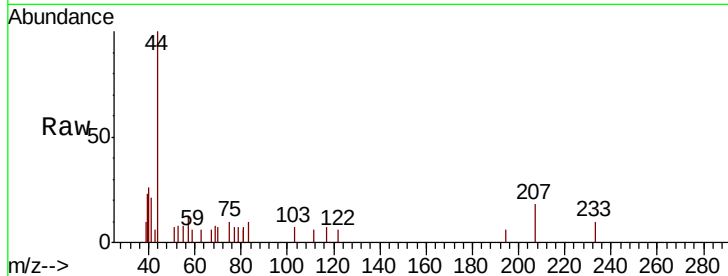




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 8.90 ug/l
 RT: 13.70 min Scan# 1336
 Delta R.T. -0.01 min
 Lab File: VF059851.D
 Acq: 3 Aug 2018 20:57

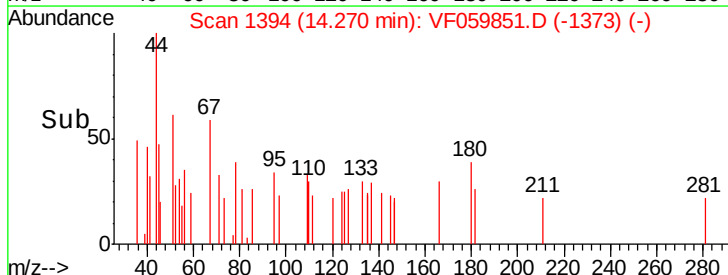
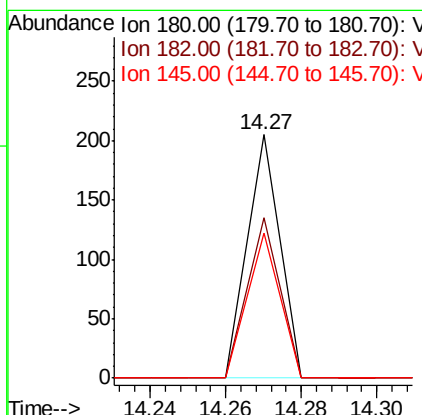
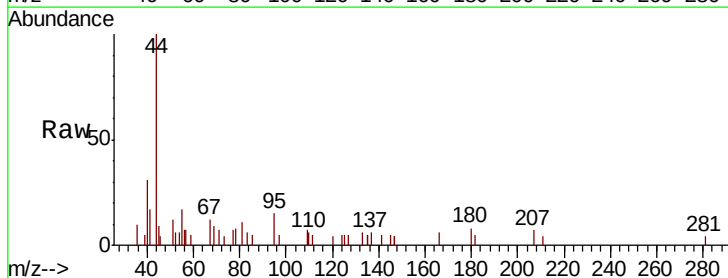
Instrument :
 MSVOA_F
 ClientSampleId :
 KG-PIT-5

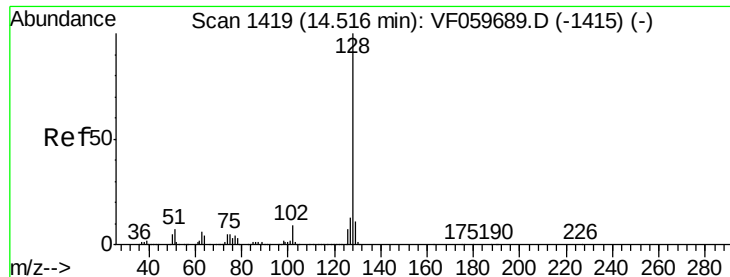
Tot Ion: 75 Resp: 174
 Ion Ratio Lower Upper
 75 100
 155 0.0 35.4 106.2#
 157 0.0 44.4 133.2#



#93
 1,2,4-Trichlorobenzene
 Concen: Below Cal
 RT: 14.27 min Scan# 1394
 Delta R.T. 0.01 min
 Lab File: VF059851.D
 Acq: 3 Aug 2018 20:57

Tgt Ion:180 Resp: 121
 Ion Ratio Lower Upper
 180 100
 182 65.9 47.2 141.6
 145 59.5 19.3 57.9#





#95

Naphthalene

Concen: 6.85 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. -0.00 min

Lab File: VF059851.D

Acq: 3 Aug 2018 20:57

Instrument :

MSVOA_F

ClientSampleId :

KG-PIT-5

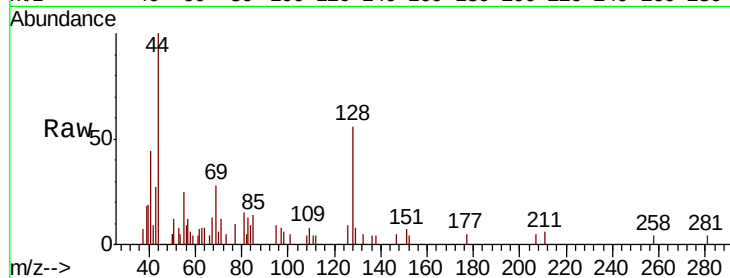
Tot Ion:128 Resp: 1912

Ion Ratio Lower Upper

128 100

127 0.0 10.0 15.0#

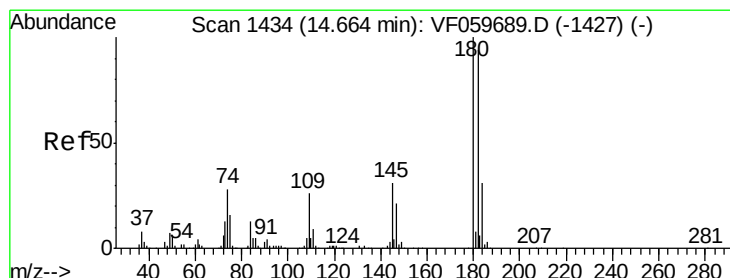
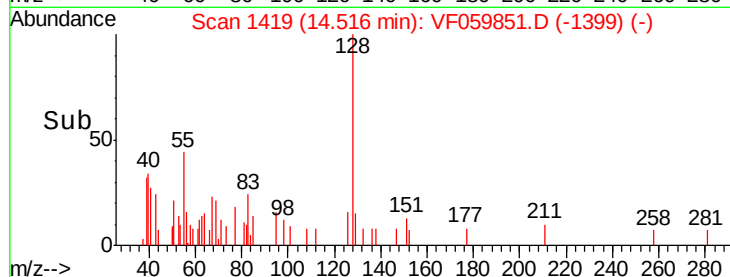
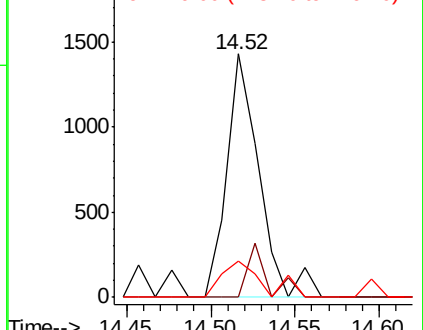
129 14.8 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 1.87 ug/l

RT: 14.66 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VF059851.D

Acq: 3 Aug 2018 20:57

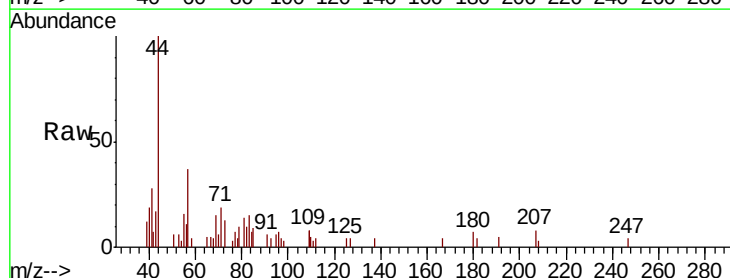
Tgt Ion:180 Resp: 289

Ion Ratio Lower Upper

180 100

182 0.0 47.2 141.6#

145 0.0 15.6 46.7#



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

