

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080318\
 Data File : VF059854.D
 Acq On : 3 Aug 2018 22:19
 Operator : VA/AP
 Sample : J4285-17RE
 Misc : 3.82g/5mL/MSVOA F/SOIL
 ALS Vial : 98 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 KG-PIT-5RE

Quant Time: Aug 04 03:19:39 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	5.04	168	155735	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.76	114	220600	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	131583	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	29313	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	122614	43.81	ug/l	0.00
Spiked Amount			Recovery	=	87.62%	
35) Dibromofluoromethane	4.30	113	106145	46.33	ug/l	0.01
Spiked Amount			Recovery	=	92.66%	
50) Toluene-d8	7.71	98	178775	33.46	ug/l	0.00
Spiked Amount			Recovery	=	66.92%	
62) 4-Bromofluorobenzene	11.50	95	37576	12.70	ug/l	0.00
Spiked Amount			Recovery	=	25.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.11	50	862	Below Cal	#	38
4) Vinyl Chloride	1.15	62	95	Below Cal	#	47
5) Bromomethane	1.34	94	287	Below Cal	#	4
6) Chloroethane	1.40	64	227	Below Cal	#	95
11) Tert butyl alcohol	2.67	59	285	1.07	ug/l	# 74
13) Acrolein	2.07	56	126	18.06	ug/l	100
14) Allyl chloride	2.15	41	1997	1.04	ug/l	# 64
16) Acetone	2.33	43	15225	30.24	ug/l	99
17) Carbon Disulfide	1.85	76	1807	Below Cal	#	80
18) Methyl Acetate	2.50	43	2525	Below Cal	#	78
20) Methylene Chloride	2.27	84	5454	Below Cal	#	73
21) trans-1,2-Dichloroethene	2.38	96	122	Below Cal	#	1
28) Bromochloromethane	3.91	49	79	Below Cal	#	15
31) Cyclohexane	3.80	56	60	Below Cal	#	15
36) 1,1-Dichloropropene	4.49	75	83	Below Cal	#	1
37) Ethyl Acetate	4.32	43	64	Below Cal	#	19
39) Methylcyclohexane	5.75	83	2682	Below Cal	#	34
41) Methacrylonitrile	4.93	41	188	Below Cal	#	56
49) 1,4-Dioxane	6.47	88	102	Below Cal	#	21
52) Toluene	7.78	92	1178	Below Cal	#	58
58) 2-Chloroethyl Vinyl ether	7.78	63	211	1.45	ug/l	100
68) m/p-Xylenes	10.25	106	63	Below Cal	#	1
78) n-propylbenzene	11.69	91	97	Below Cal	#	54
79) 2-Chlorotoluene	11.79	91	193	Below Cal	#	44
80) 1,3,5-Trimethylbenzene	11.91	105	73	Below Cal	#	31
82) 4-Chlorotoluene	11.90	91	63	Below Cal	#	44
84) 1,2,4-Trimethylbenzene	12.29	105	284	Below Cal	#	32
85) sec-Butylbenzene	12.39	105	70	Below Cal	#	57
86) p-Isopropyltoluene	12.54	119	240	Below Cal	#	49
87) 1,3-Dichlorobenzene	12.65	146	62	Below Cal	#	8
88) 1,4-Dichlorobenzene	12.65	146	62	Below Cal	#	8
89) n-Butylbenzene	12.91	91	244	Below Cal	#	29
93) 1,2,4-Trichlorobenzene	14.26	180	124	Below Cal	#	25
95) Naphthalene	14.52	128	2011	1.59	ug/l	# 91

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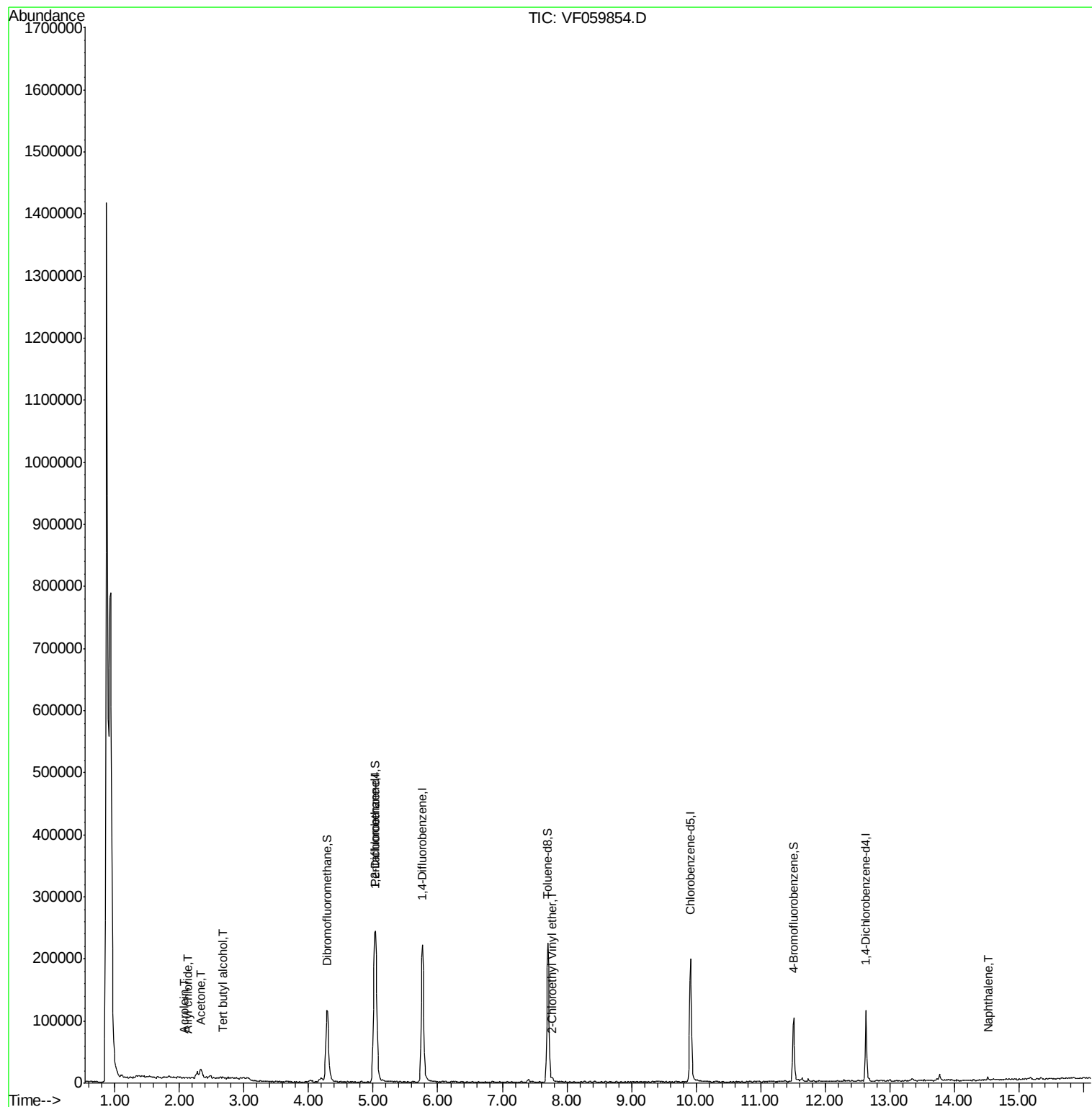
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

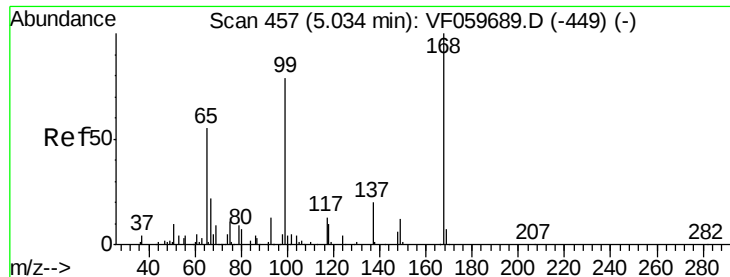
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jul 31 15:23:22 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 458

Delta R.T. 0.01 min

Lab File: VF059854.D

Acq: 3 Aug 2018 22:19

Instrument :

MSVOA_F

ClientSampleId :

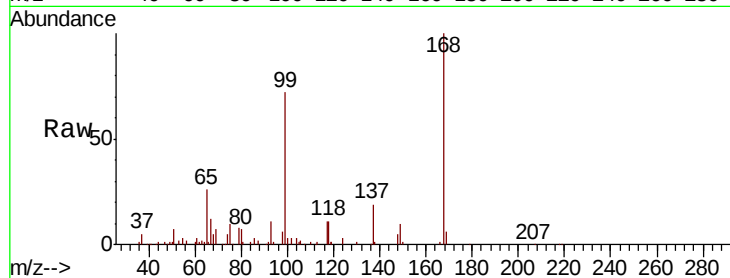
KG-PIT-5RE

Tot Ion:168 Resp: 155735

Ion Ratio Lower Upper

168 100

99 71.6 63.3 94.9



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

60000

50000

40000

30000

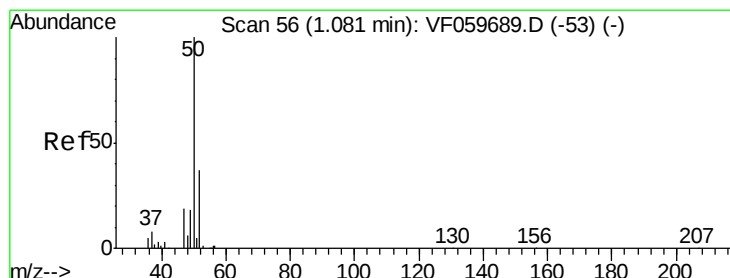
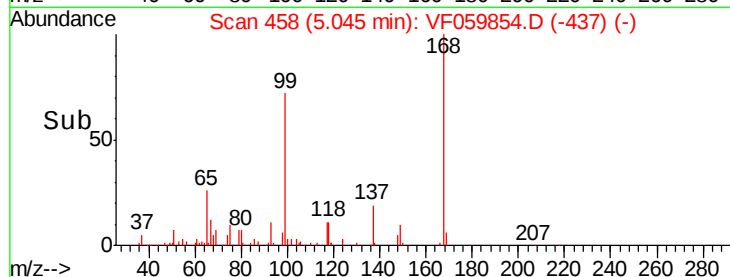
20000

10000

0

Time-->

4.90 5.00 5.10 5.20



#3

Chloromethane

Concen: Below Cal

RT: 1.11 min Scan# 59

Delta R.T. 0.03 min

Lab File: VF059854.D

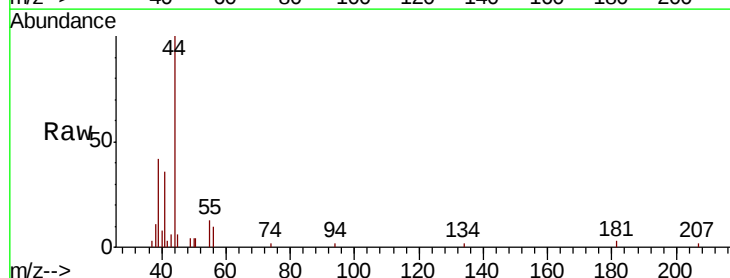
Acq: 3 Aug 2018 22:19

Tgt Ion: 50 Resp: 862

Ion Ratio Lower Upper

50 100

52 0.0 29.1 43.7#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

1.11

500

400

300

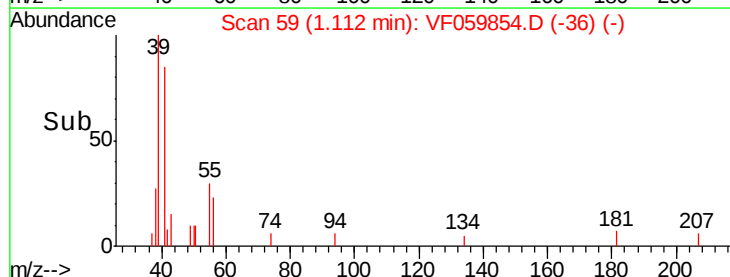
200

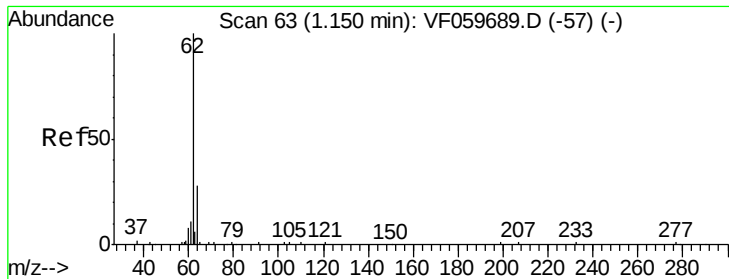
100

0

Time-->

1.05 1.10 1.15





#4

Vinyl Chloride

Concen: Below Cal

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF059854.D

Acq: 3 Aug 2018 22:19

Instrument :

MSVOA_F

ClientSampleId :

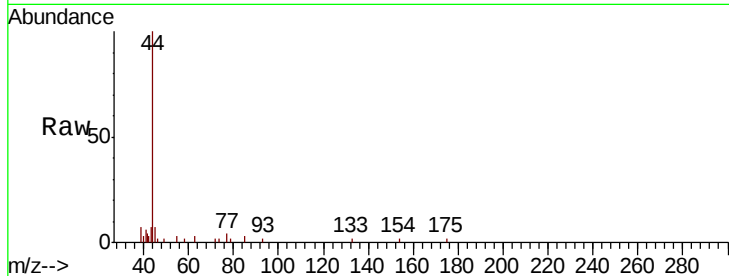
KG-PIT-5RE

Tot Ion: 62 Resp: 95

Ion Ratio Lower Upper

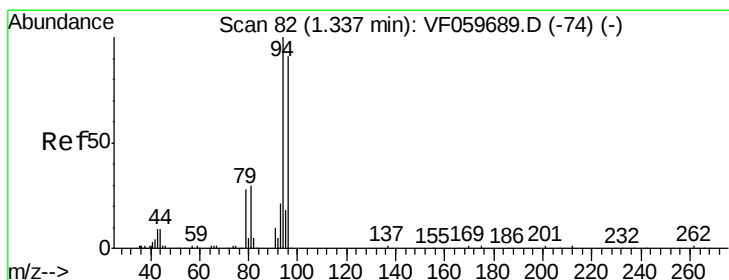
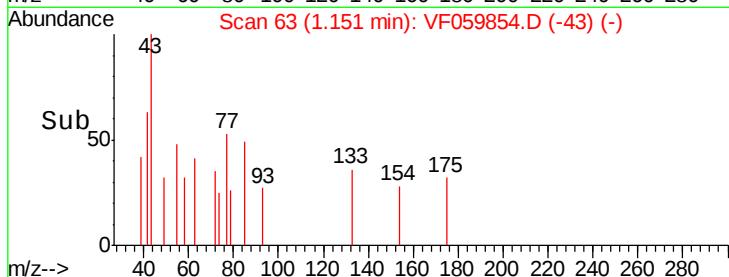
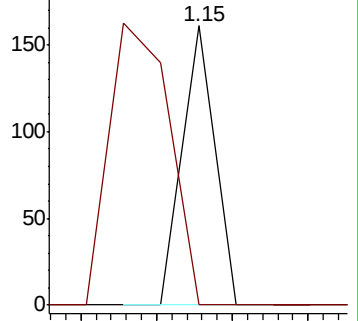
62 100

64 0.0 22.6 33.8#



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0



#5

Bromomethane

Concen: Below Cal

RT: 1.34 min Scan# 82

Delta R.T. 0.00 min

Lab File: VF059854.D

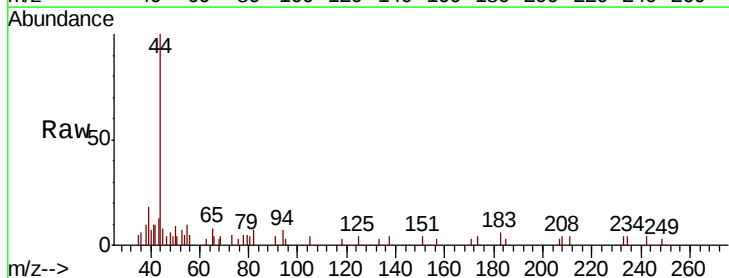
Acq: 3 Aug 2018 22:19

Tgt Ion: 94 Resp: 287

Ion Ratio Lower Upper

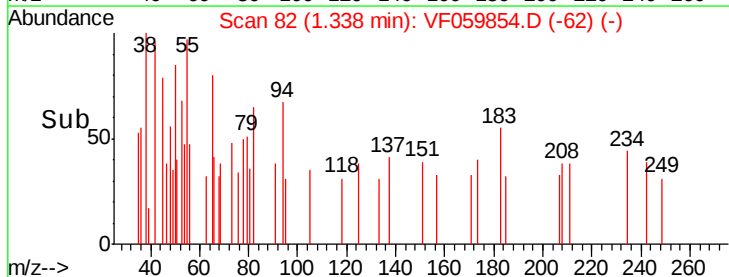
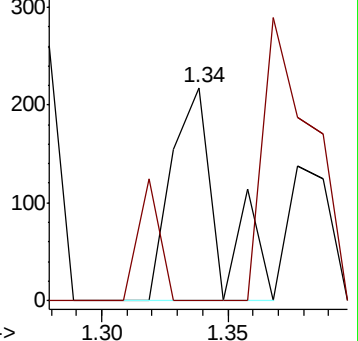
94 100

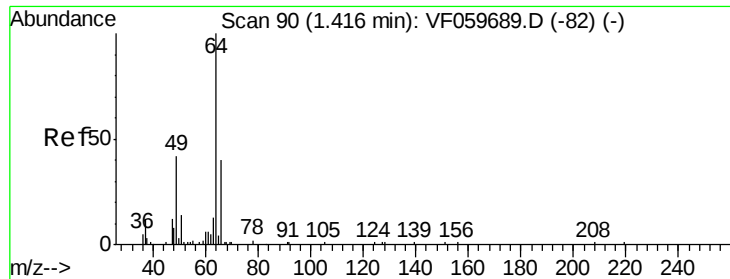
96 0.0 73.6 110.4#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0





#6

Chloroethane

Concen: Below Cal

RT: 1.40 min Scan# 88

Delta R.T. -0.02 min

Lab File: VF059854.D

Acq: 3 Aug 2018 22:19

Instrument :

MSVOA_F

ClientSampleId :

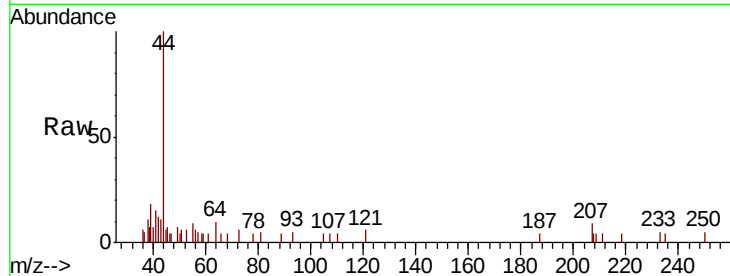
KG-PIT-5RE

Tot Ion: 64 Resp: 227

Ion Ratio Lower Upper

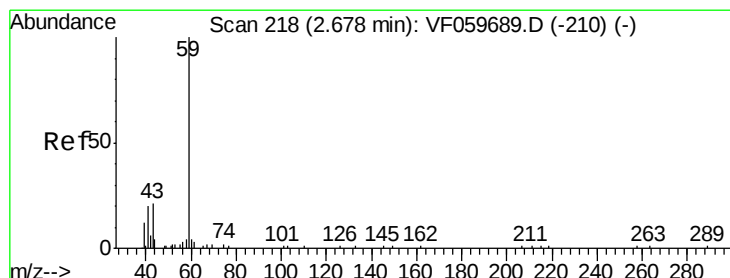
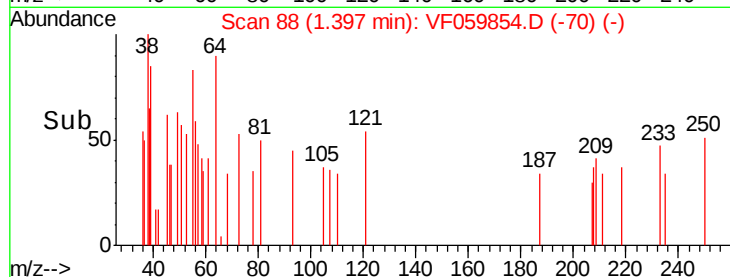
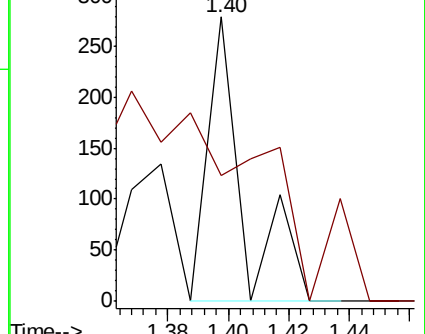
64 100

66 44.1 32.6 49.0



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0



#11

Tert butyl alcohol

Concen: 1.07 ug/l

RT: 2.67 min Scan# 217

Delta R.T. -0.01 min

Lab File: VF059854.D

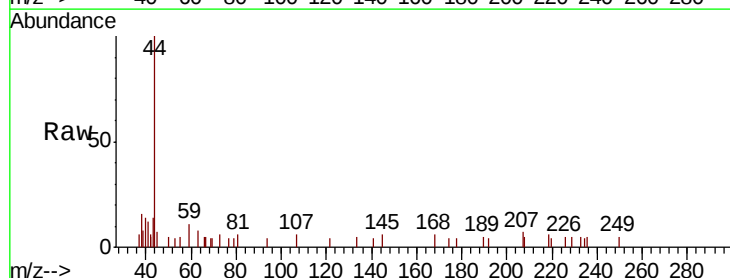
Acq: 3 Aug 2018 22:19

Tgt Ion: 59 Resp: 285

Ion Ratio Lower Upper

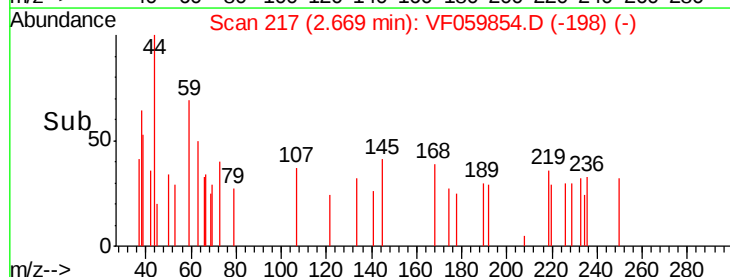
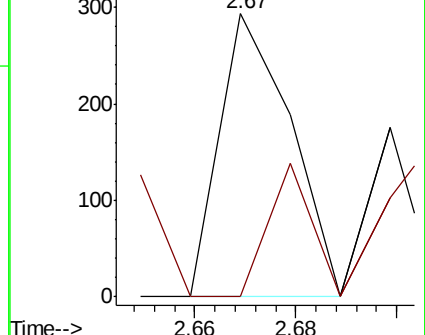
59 100

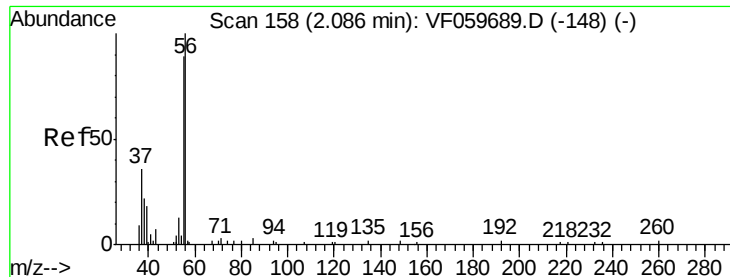
57 0.0 7.6 11.4#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0





#13

Acrolein

Concen: 18.06 ug/l

RT: 2.07 min Scan# 156

Delta R.T. -0.02 min

Lab File: VF059854.D

Acq: 3 Aug 2018 22:19

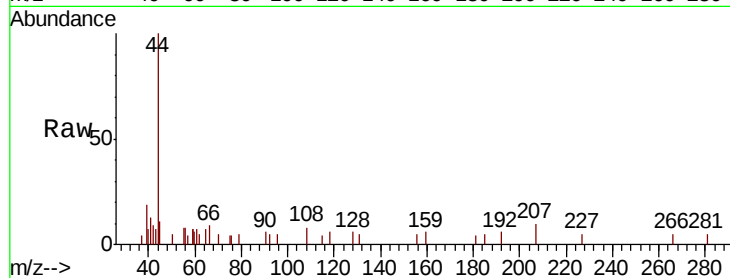
Instrument :
MSVOA_F
ClientSampleId :
KG-PIT-5RE

Tot Ion: 56 Resp: 126

Ion Ratio Lower Upper

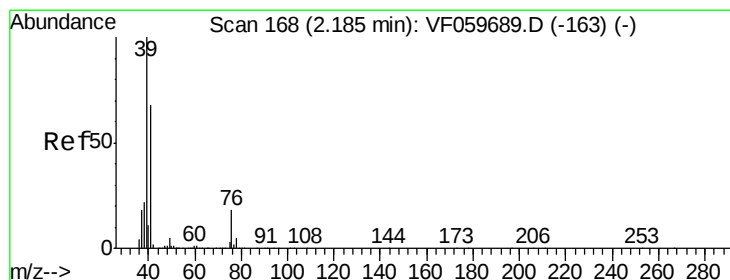
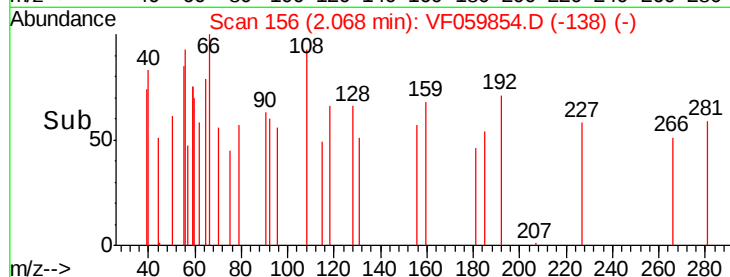
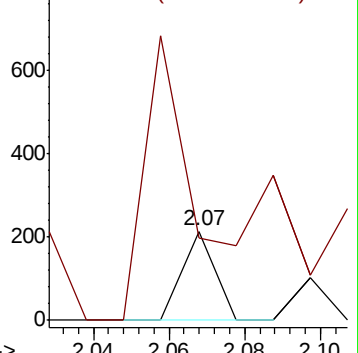
56 100

55 91.5 73.2 109.8



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 1.04 ug/l

RT: 2.15 min Scan# 164

Delta R.T. -0.04 min

Lab File: VF059854.D

Acq: 3 Aug 2018 22:19

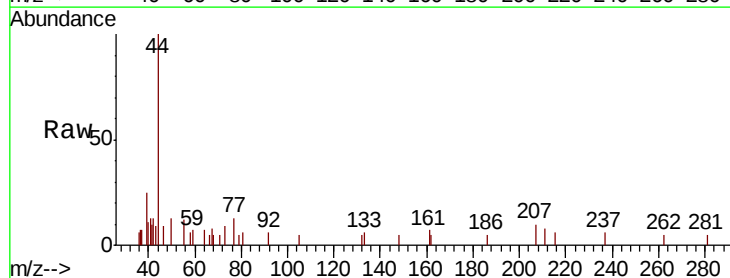
Tgt Ion: 41 Resp: 1997

Ion Ratio Lower Upper

41 100

39 106.4 118.1 177.1#

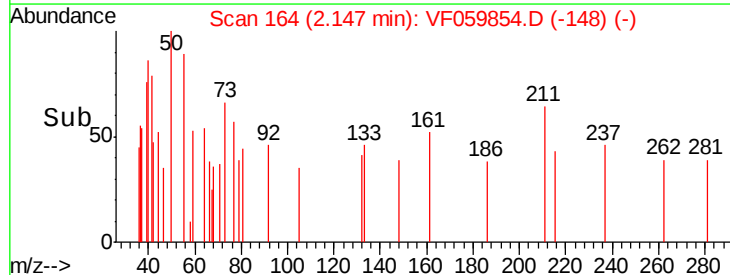
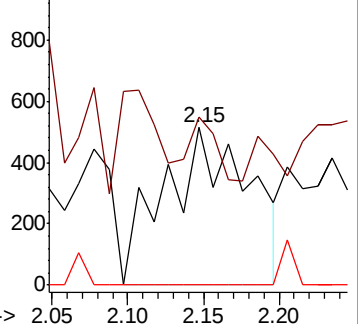
76 0.0 22.0 33.0#

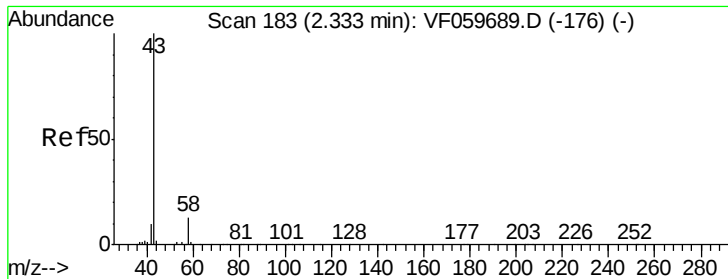


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#16

Acetone

Concen: 30.24 ug/l

RT: 2.33 min Scan# 183

Delta R.T. 0.00 min

Lab File: VF059854.D

Acq: 3 Aug 2018 22:19

Instrument :

MSVOA_F

ClientSampleId :

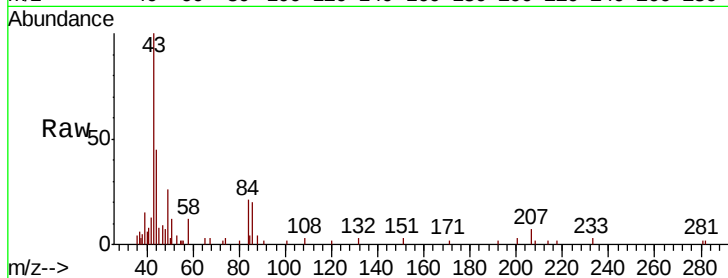
KG-PIT-5RE

Tot Ion: 43 Resp: 15225

Ion Ratio Lower Upper

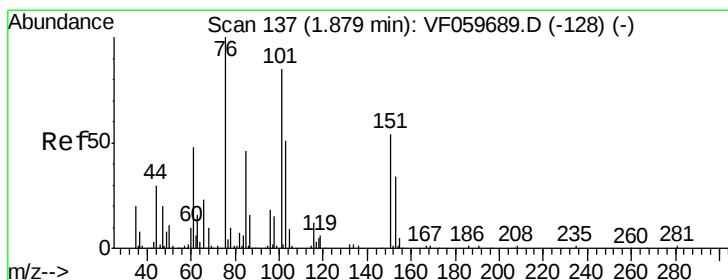
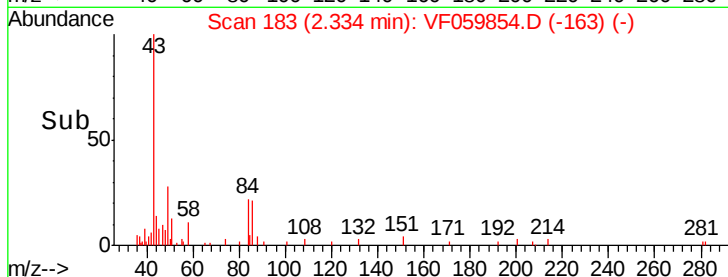
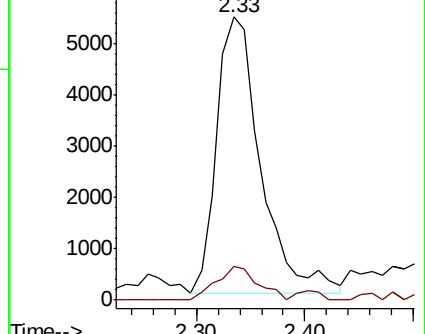
43 100

58 12.2 10.1 15.1



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#17

Carbon Disulfide

Concen: Below Cal

RT: 1.85 min Scan# 134

Delta R.T. -0.03 min

Lab File: VF059854.D

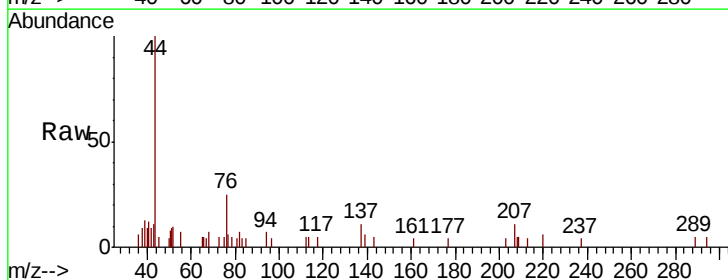
Acq: 3 Aug 2018 22:19

Tgt Ion: 76 Resp: 1807

Ion Ratio Lower Upper

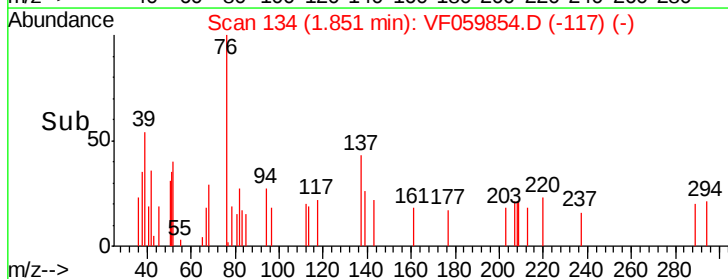
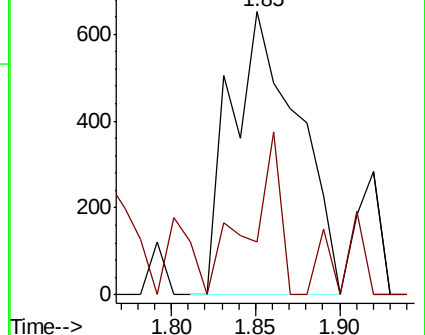
76 100

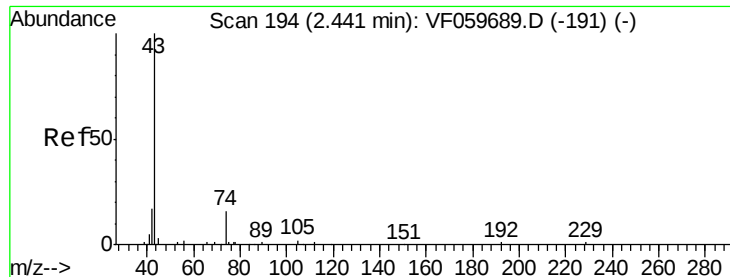
78 18.7 8.9 13.3#



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

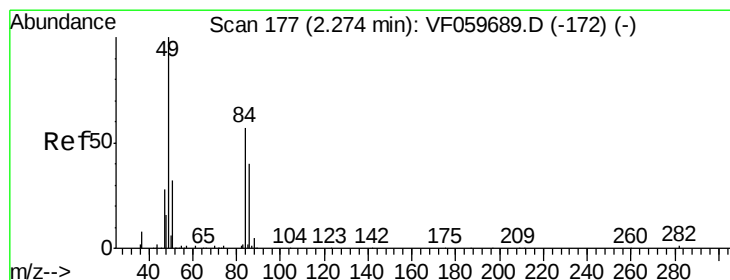
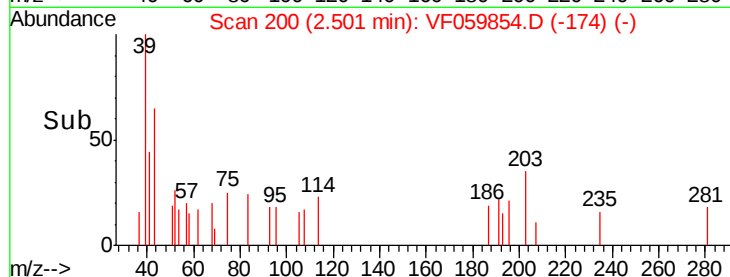
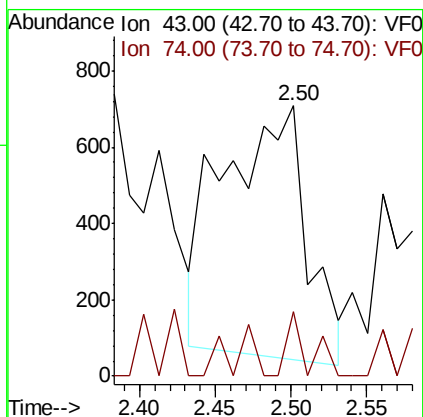
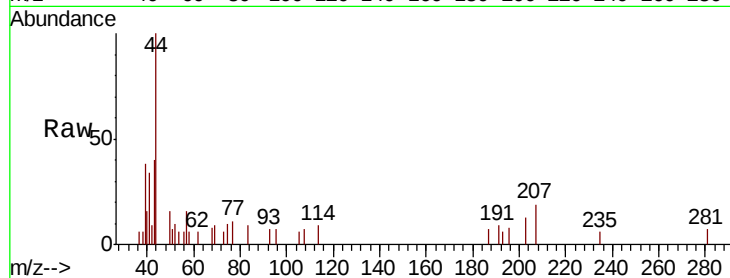




#18
Methyl Acetate
Concen: Below Cal
RT: 2.50 min Scan# 200
Delta R.T. 0.06 min
Lab File: VF059854.D
Acq: 3 Aug 2018 22:19

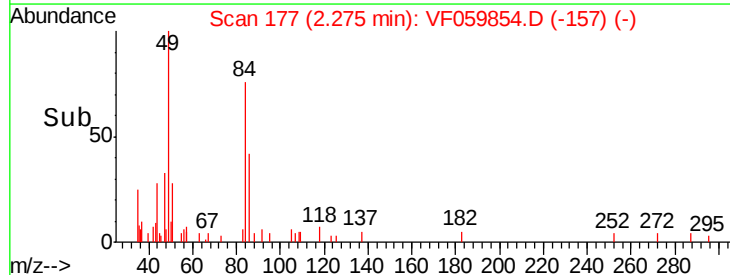
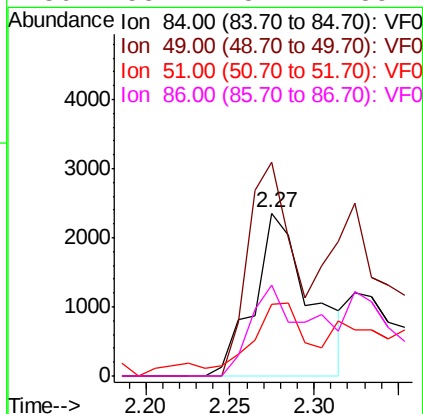
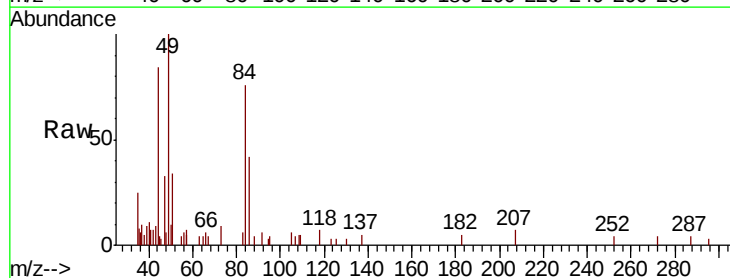
Instrument :
MSVOA_F
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KG-PIT-5RE

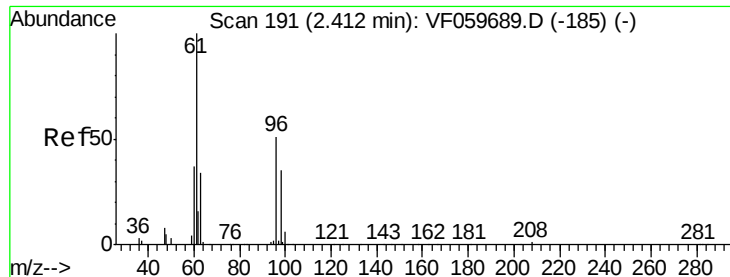
Tot Ion: 43 Resp: 2525
Ion Ratio Lower Upper
43 100
74 23.7 11.8 17.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.27 min Scan# 177
Delta R.T. 0.00 min
Lab File: VF059854.D
Acq: 3 Aug 2018 22:19

Tgt Ion: 84 Resp: 5454
Ion Ratio Lower Upper
84 100
49 131.0 142.2 213.4#
51 44.0 46.2 69.2#
86 55.7 57.1 85.7#





#21

trans-1,2-Dichloroethene

Concen: Below Cal

RT: 2.38 min Scan# 188

Delta R.T. -0.03 min

Lab File: VF059854.D

Acq: 3 Aug 2018 22:19

Instrument :

MSVOA_F

ClientSampled :

KG-PIT-5RE

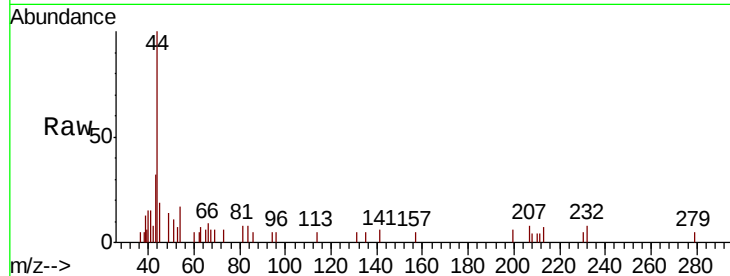
Tot Ion: 96 Resp: 122

Ion Ratio Lower Upper

96 100

61 0.0 157.4 236.0#

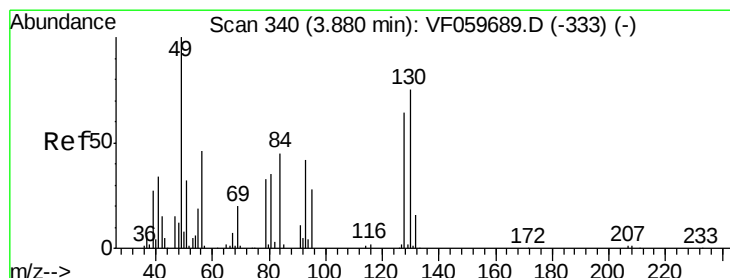
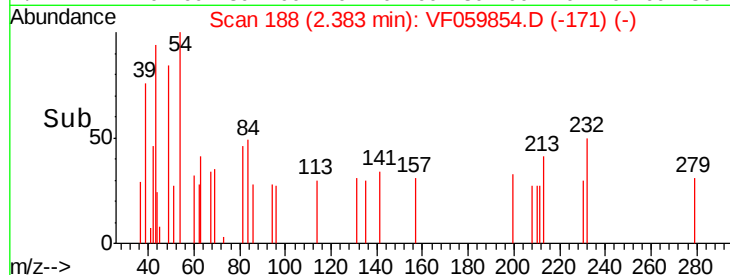
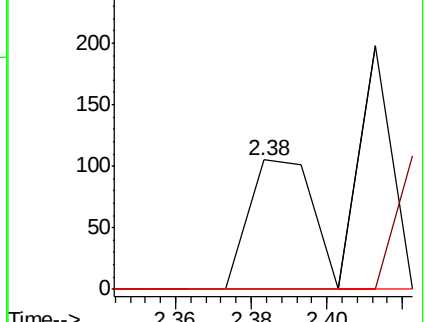
98 0.0 55.0 82.4#



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



#28

Bromochloromethane

Concen: Below Cal

RT: 3.91 min Scan# 343

Delta R.T. 0.03 min

Lab File: VF059854.D

Acq: 3 Aug 2018 22:19

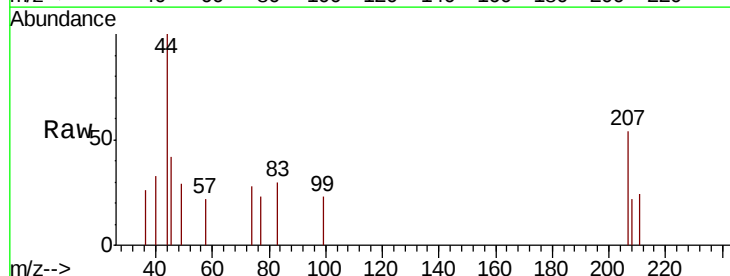
Tgt Ion: 49 Resp: 79

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.8

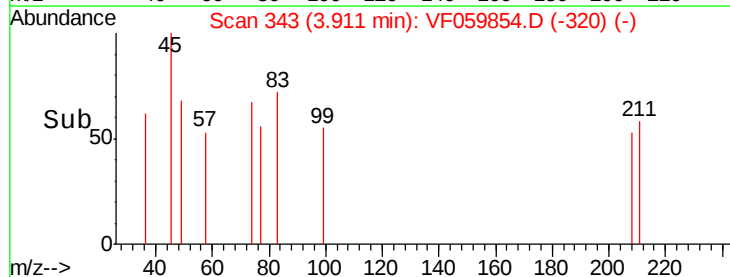
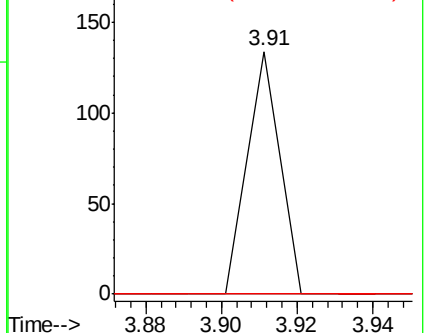
130 0.0 59.6 89.4#

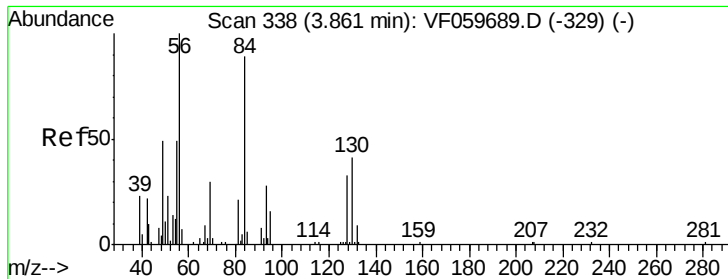


Abundance Ion 49.00 (48.70 to 49.70): VF0

Ion 129.00 (128.70 to 129.70): V

Ion 130.00 (129.70 to 130.70): V

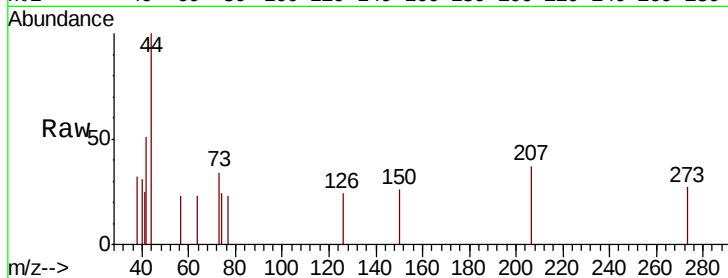




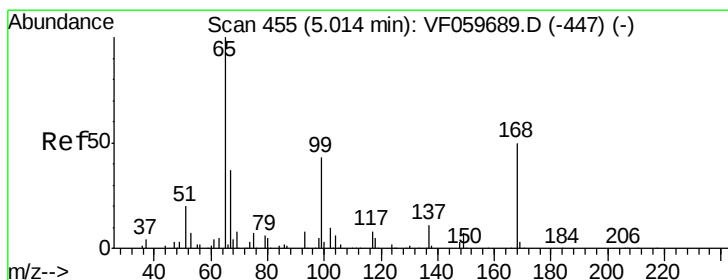
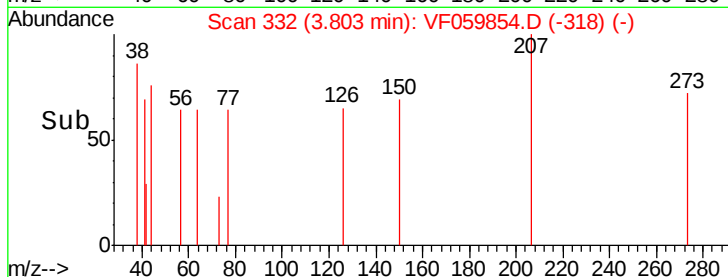
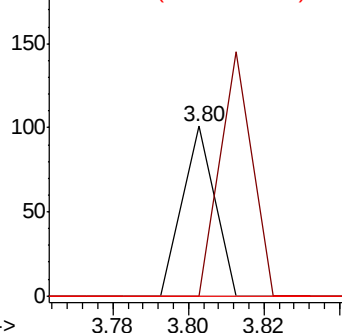
#31
Cyclohexane
Concen: Below Cal
RT: 3.80 min Scan# 332
Delta R.T. -0.06 min
Lab File: VF059854.D
Acq: 3 Aug 2018 22:19

Instrument :
MSVOA_F
ClientSampleId :
KG-PIT-5RE

Tot Ion: 56 Resp: 60
Ion Ratio Lower Upper
56 100
69 0.0 23.7 35.5#
84 0.0 71.1 106.7#

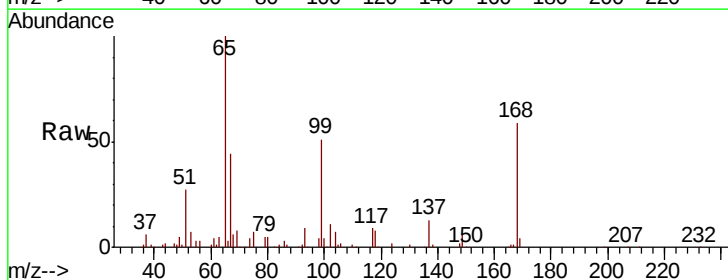


Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0

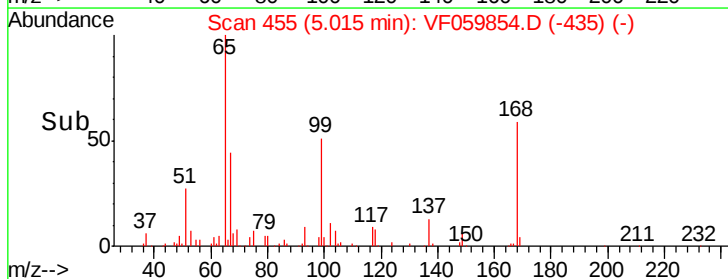
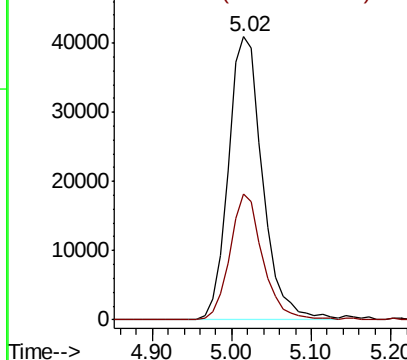


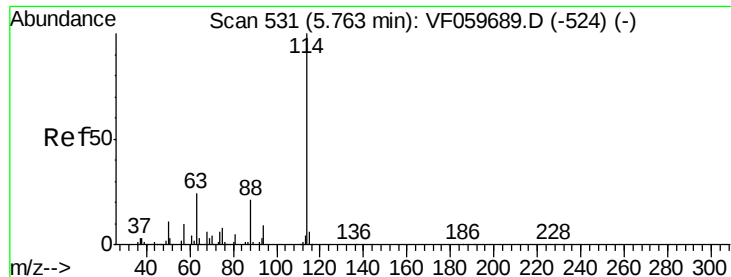
#33
1,2-Dichloroethane-d4
Concen: 43.81 ug/l
RT: 5.02 min Scan# 455
Delta R.T. 0.00 min
Lab File: VF059854.D
Acq: 3 Aug 2018 22:19

Tgt Ion: 65 Resp: 122614
Ion Ratio Lower Upper
65 100
67 44.3 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: VF059854.D

Acq: 3 Aug 2018 22:19

Instrument :

MSVOA_F

ClientSampleId :

KG-PIT-5RE

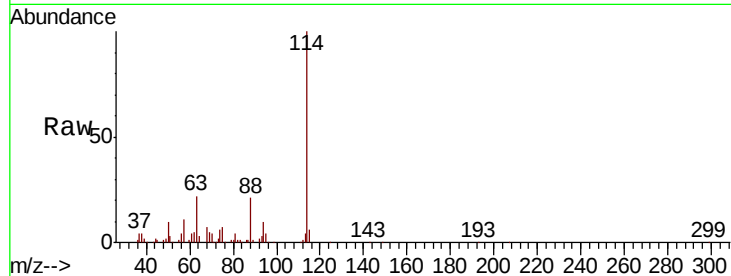
Tot Ion:114 Resp: 220600

Ion Ratio Lower Upper

114 100

63 22.1 0.0 47.4

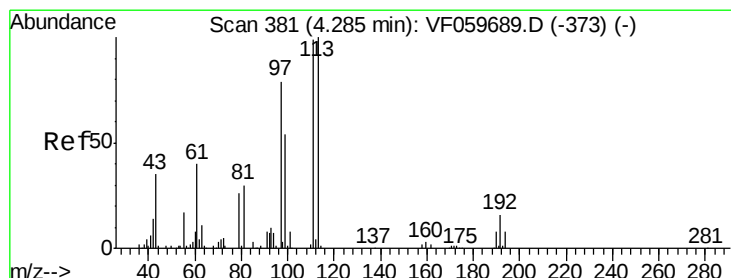
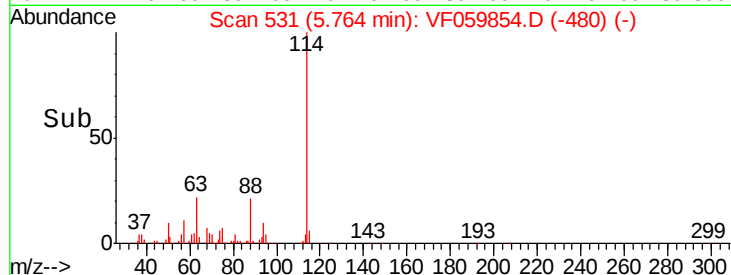
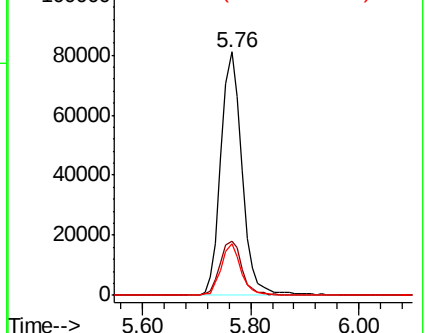
88 21.1 0.0 41.2



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: 46.33 ug/l

RT: 4.30 min Scan# 382

Delta R.T. 0.01 min

Lab File: VF059854.D

Acq: 3 Aug 2018 22:19

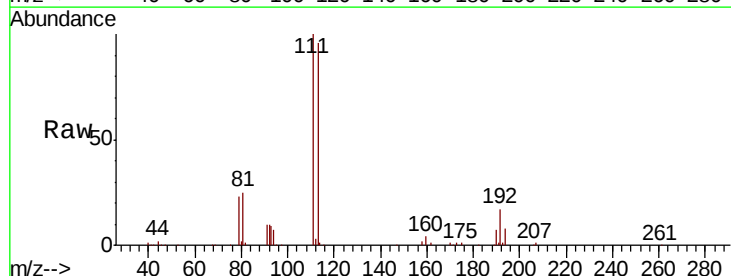
Tgt Ion:113 Resp: 106145

Ion Ratio Lower Upper

113 100

111 103.9 79.0 118.4

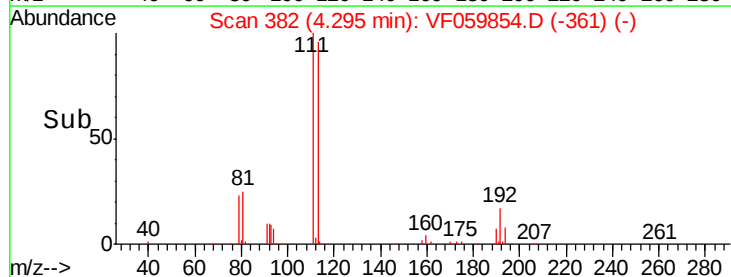
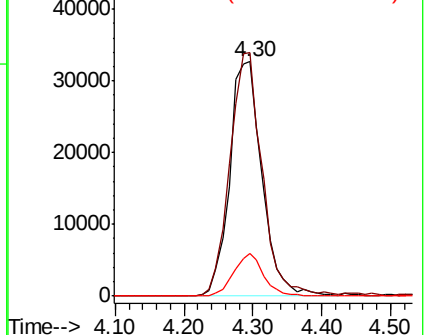
192 18.3 13.2 19.8

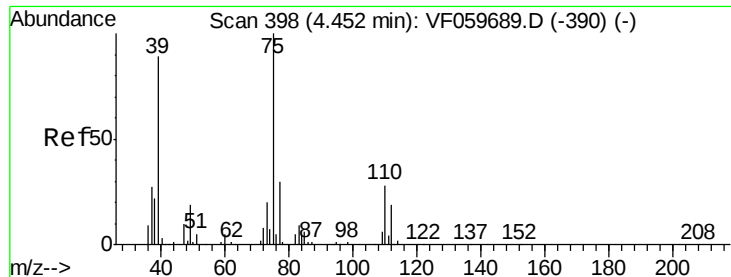


Abundance Ion 113.00 (112.70 to 113.70): V

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: 4.49 min Scan# 402

Delta R.T. 0.04 min

Lab File: VF059854.D

Acq: 3 Aug 2018 22:19

Instrument :

MSVOA_F

ClientSampleId :

KG-PIT-5RE

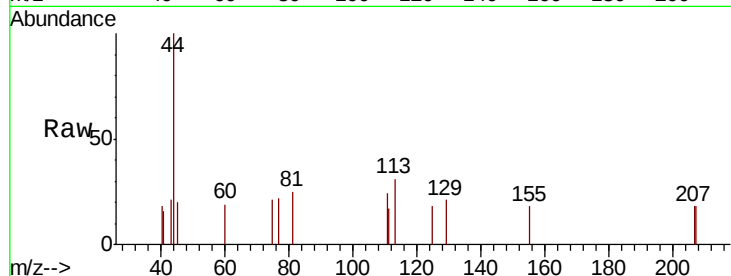
Tot Ion: 75 Resp: 83

Ion Ratio Lower Upper

75 100

110 115.7 14.0 41.9#

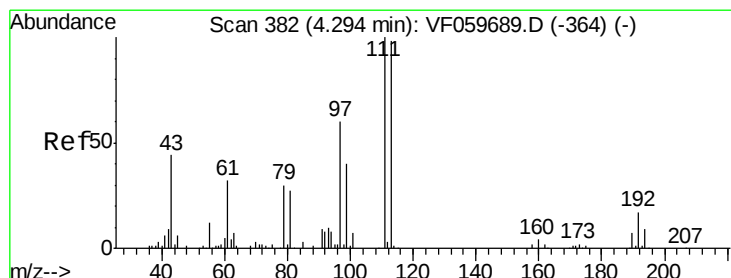
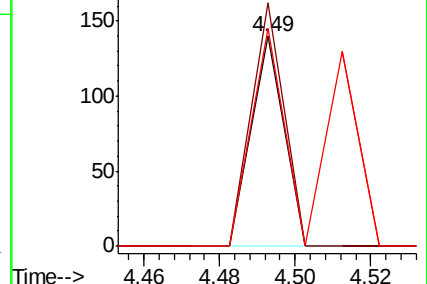
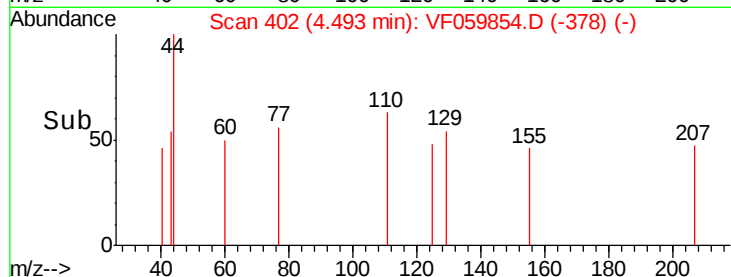
77 103.6 24.2 36.2#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0



#37

Ethyl Acetate

Concen: Below Cal

RT: 4.32 min Scan# 384

Delta R.T. 0.02 min

Lab File: VF059854.D

Acq: 3 Aug 2018 22:19

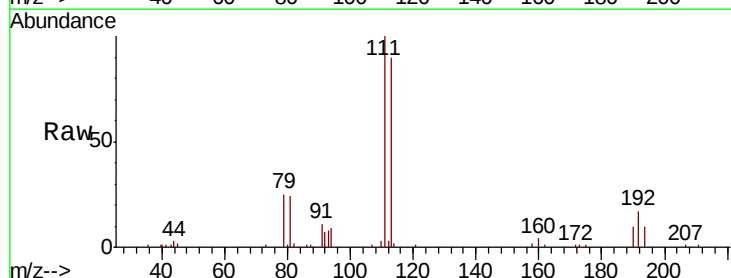
Tgt Ion: 43 Resp: 64

Ion Ratio Lower Upper

43 100

61 0.0 58.2 87.2#

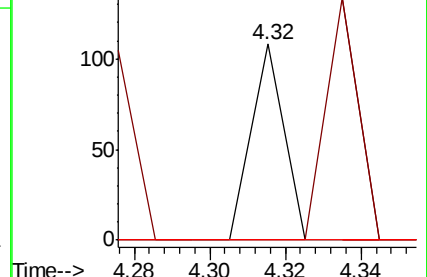
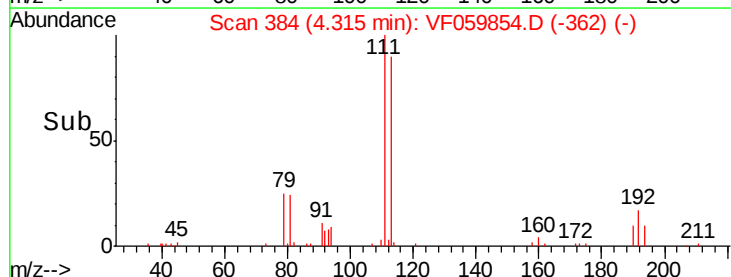
70 0.0 6.0 9.0#

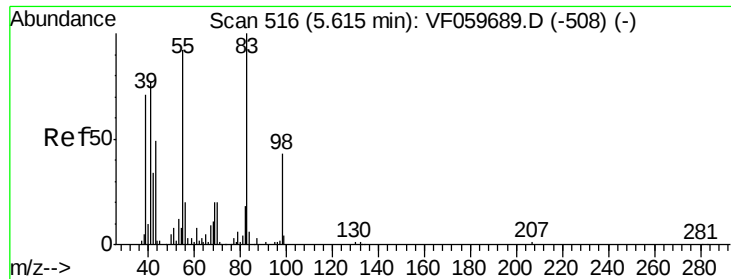


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

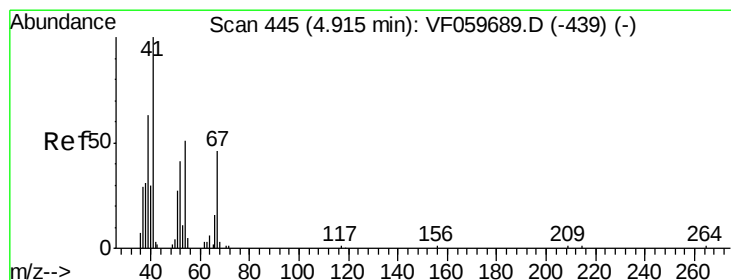
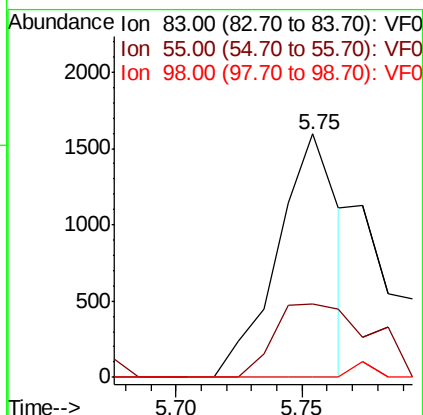
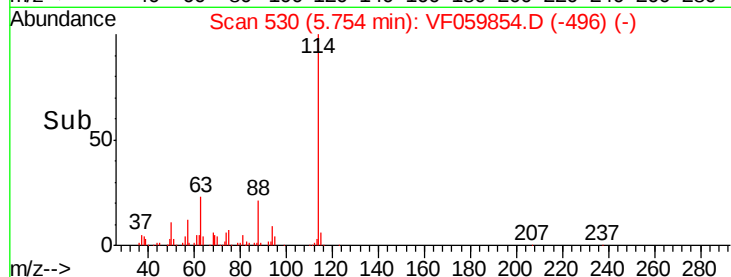
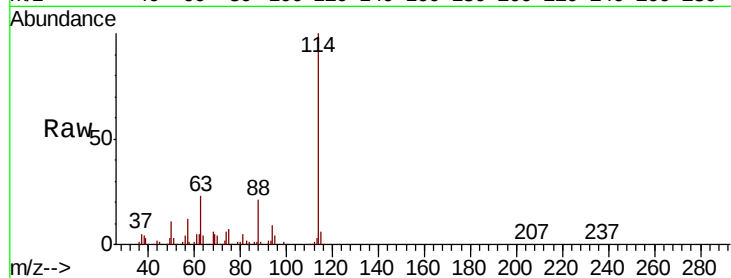




#39
Methylcyclohexane
Concen: Below Cal
RT: 5.75 min Scan# 530
Delta R.T. 0.14 min
Lab File: VF059854.D
Acq: 3 Aug 2018 22:19

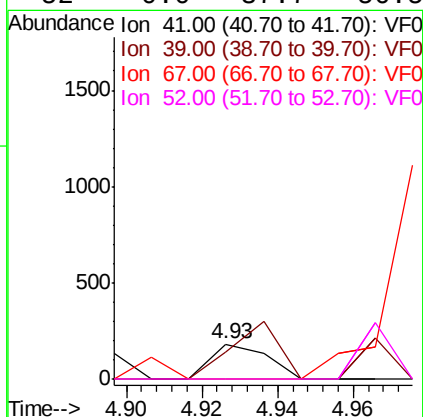
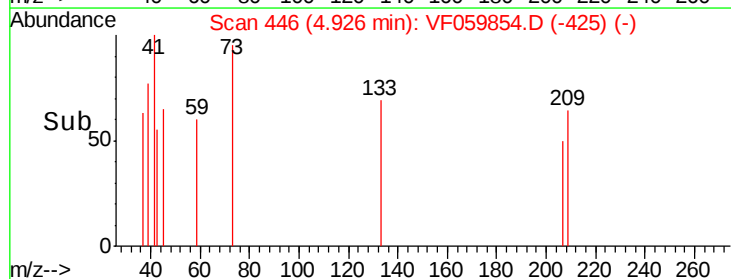
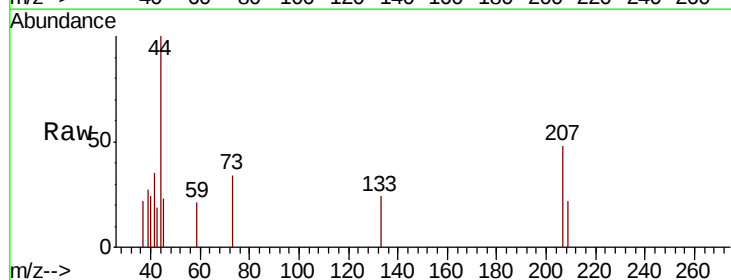
Instrument :
MSVOA_F
ClientSampleId :
KG-PIT-5RE

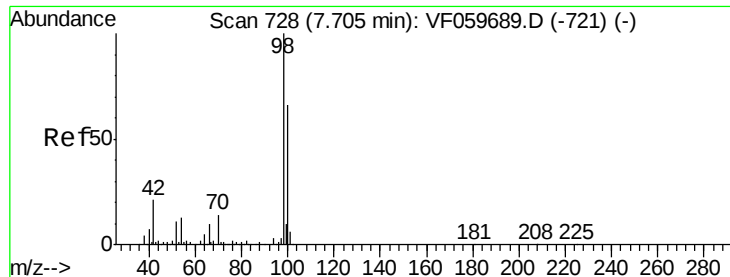
Tot Ion: 83 Resp: 2682
Ion Ratio Lower Upper
83 100
55 29.9 73.4 110.2#
98 0.0 34.2 51.4#



#41
Methacrylonitrile
Concen: Below Cal
RT: 4.93 min Scan# 446
Delta R.T. 0.01 min
Lab File: VF059854.D
Acq: 3 Aug 2018 22:19

Tgt Ion: 41 Resp: 188
Ion Ratio Lower Upper
41 100
39 77.3 55.2 82.8
67 0.0 36.2 54.2#
52 0.0 37.7 56.5#

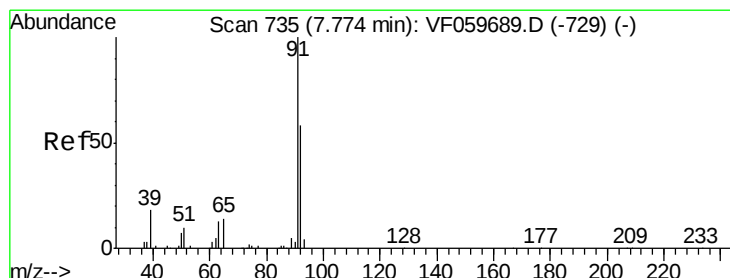
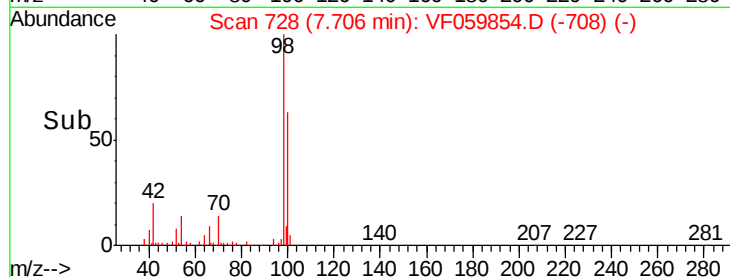
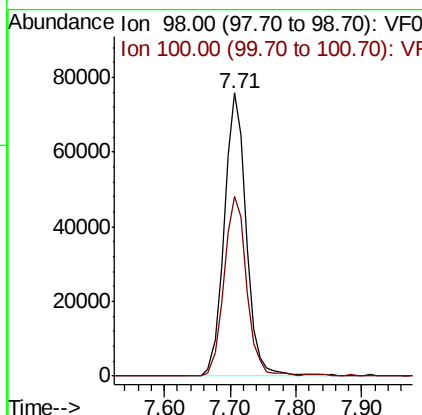
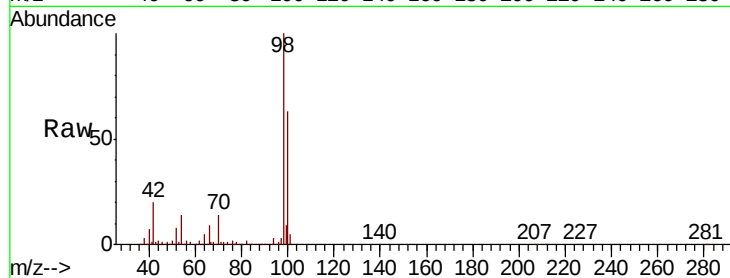




#50
Toluene-d8
Concen: 33.46 ug/l
RT: 7.71 min Scan# 728
Delta R.T. 0.00 min
Lab File: VF059854.D
Acq: 3 Aug 2018 22:19

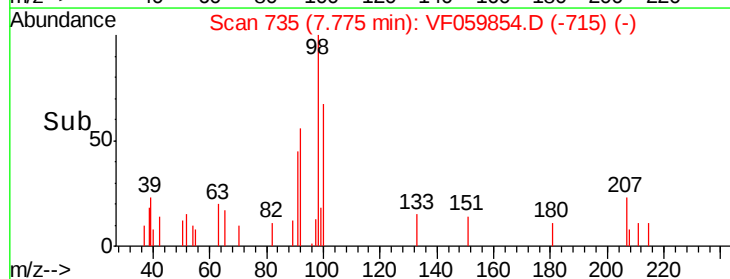
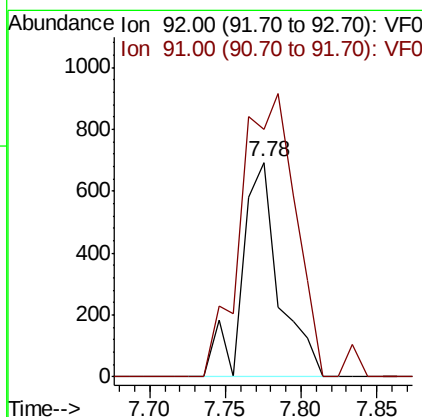
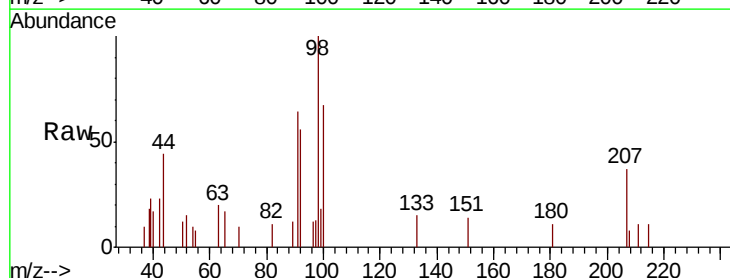
Instrument :
MSVOA_F
ClientSampleId :
KG-PIT-5RE

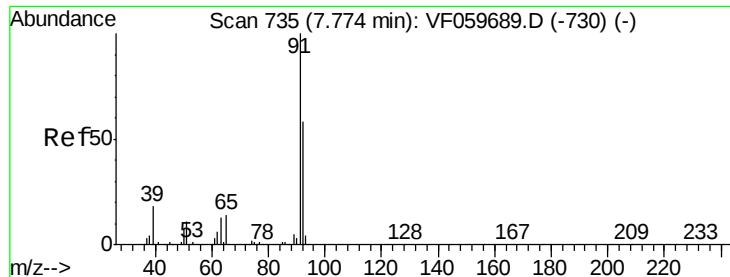
Tot Ion: 98 Resp: 178775
Ion Ratio Lower Upper
98 100
100 63.4 52.8 79.2



#52
Toluene
Concen: Below Cal
RT: 7.78 min Scan# 735
Delta R.T. 0.00 min
Lab File: VF059854.D
Acq: 3 Aug 2018 22:19

Tgt Ion: 92 Resp: 1178
Ion Ratio Lower Upper
92 100
91 115.3 139.0 208.4#

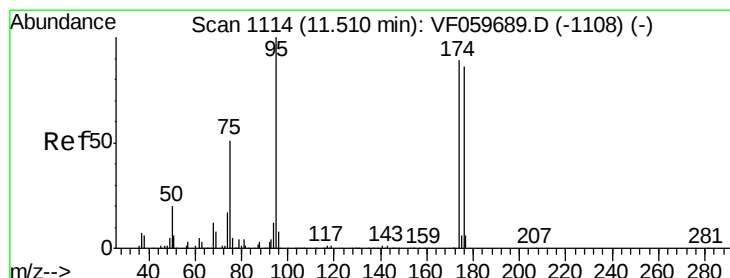
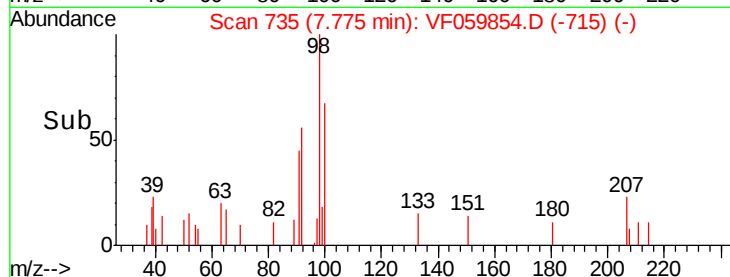
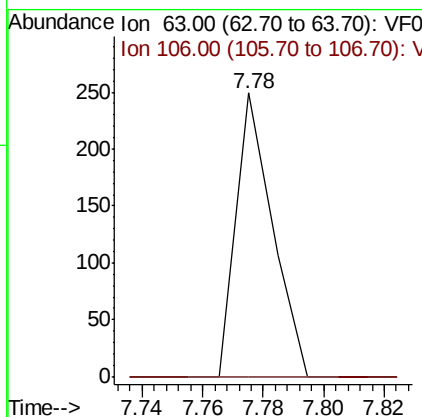
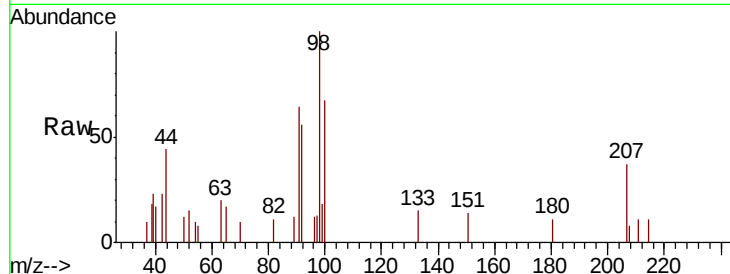




#58
 2-Chloroethyl Vinyl ether
 Concen: 1.45 ug/l
 RT: 7.78 min Scan# 735
 Delta R.T. 0.00 min
 Lab File: VF059854.D
 Acq: 3 Aug 2018 22:19

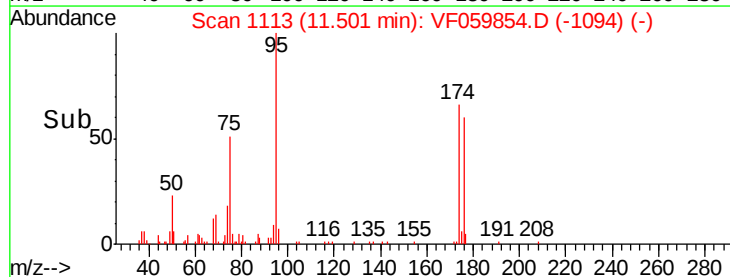
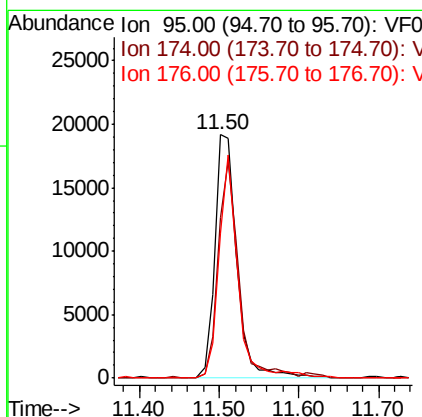
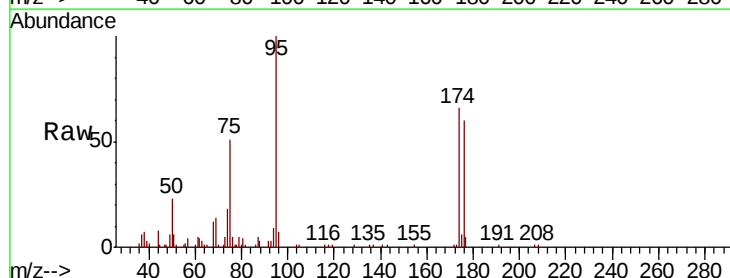
Instrument :
 MSVOA_F
 ClientSampled :
 KG-PIT-5RE

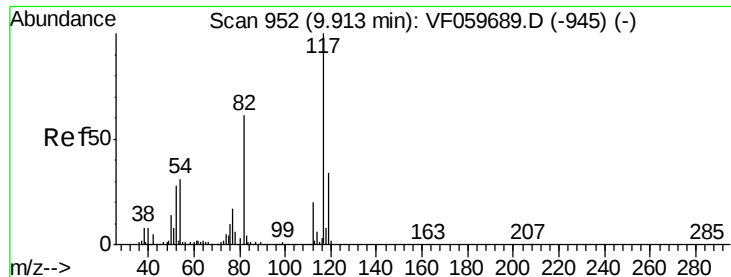
Tot Ion: 63 Resp: 211
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0



#62
 4-Bromofluorobenzene
 Concen: 12.70 ug/l
 RT: 11.50 min Scan# 1113
 Delta R.T. -0.01 min
 Lab File: VF059854.D
 Acq: 3 Aug 2018 22:19

Tgt Ion: 95 Resp: 37576
 Ion Ratio Lower Upper
 95 100
 174 66.0 0.0 178.4
 176 59.7 0.0 173.0





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.91 min Scan# 952

Delta R.T. 0.00 min

Lab File: VF059854.D

Acq: 3 Aug 2018 22:19

Instrument :

MSVOA_F

ClientSampleId :

KG-PIT-5RE

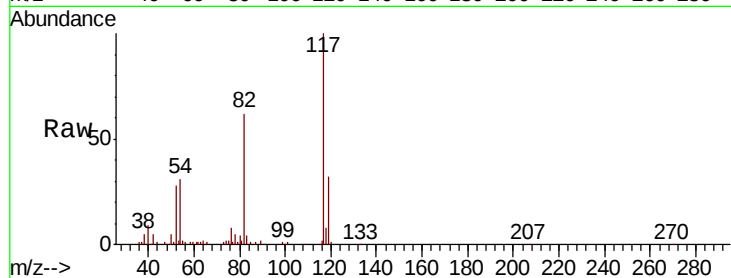
Tot Ion:117 Resp: 131583

Ion Ratio Lower Upper

117 100

82 61.8 49.0 73.4

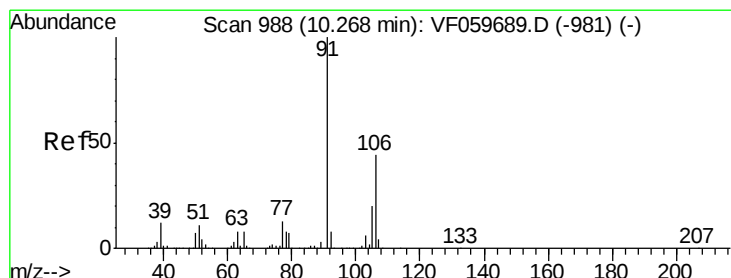
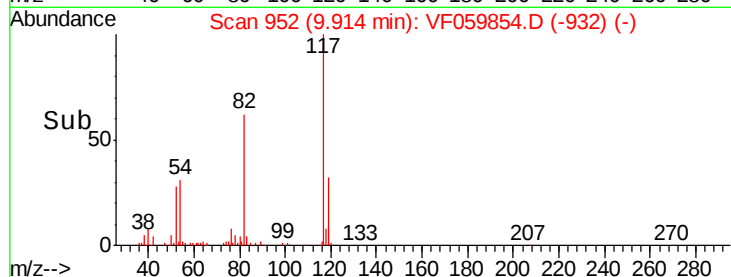
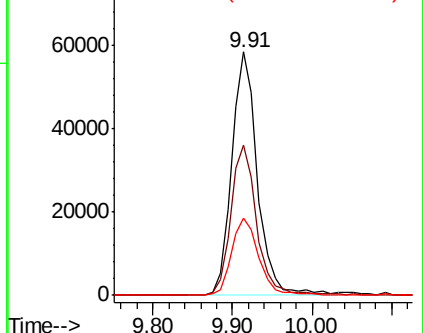
119 31.9 27.3 40.9



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-Xylenes

Concen: Below Cal

RT: 10.25 min Scan# 986

Delta R.T. -0.02 min

Lab File: VF059854.D

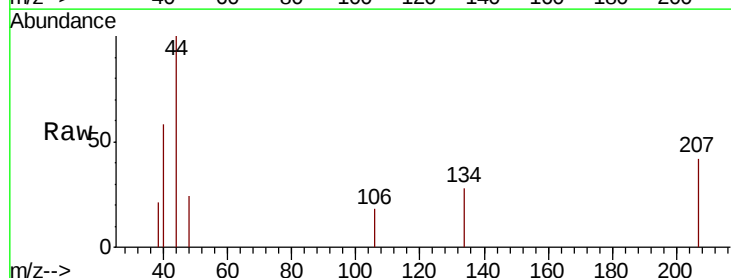
Acq: 3 Aug 2018 22:19

Tgt Ion:106 Resp: 63

Ion Ratio Lower Upper

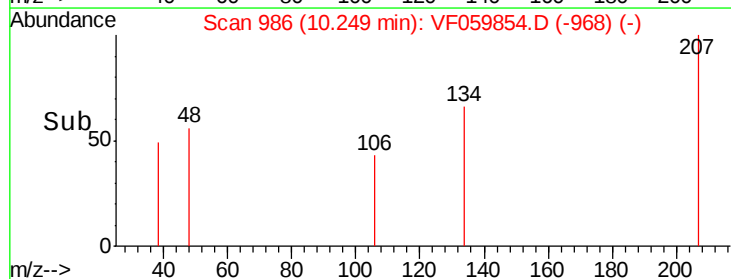
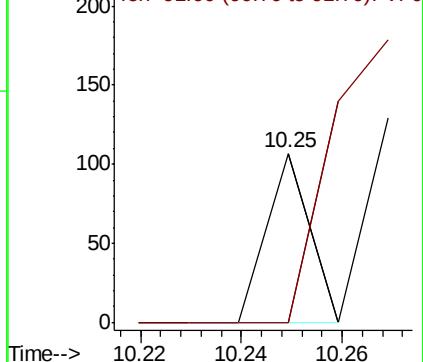
106 100

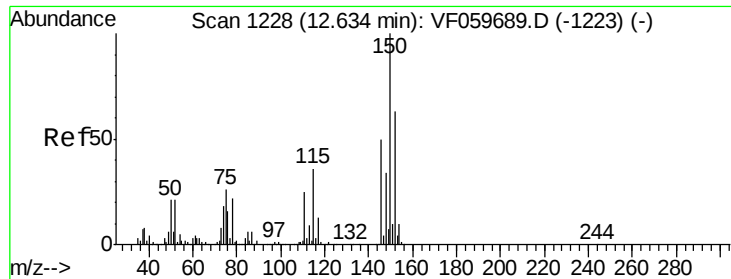
91 0.0 181.7 272.5#



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: VF059854.D

Acq: 3 Aug 2018 22:19

Instrument :

MSVOA_F

ClientSampleId :

KG-PIT-5RE

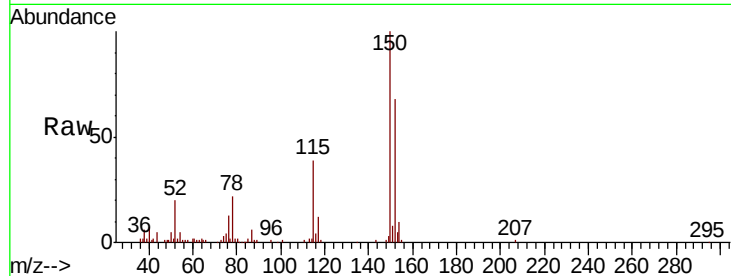
Tot Ion:152 Resp: 29313

Ion Ratio Lower Upper

152 100

115 57.4 28.2 84.6

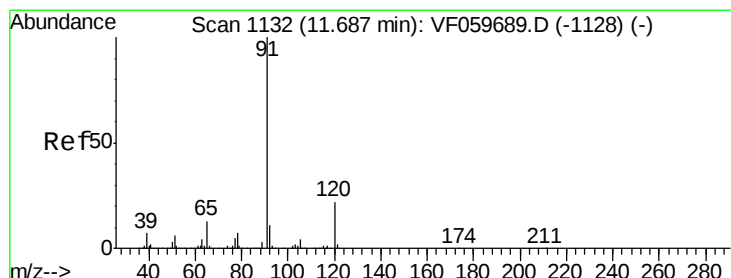
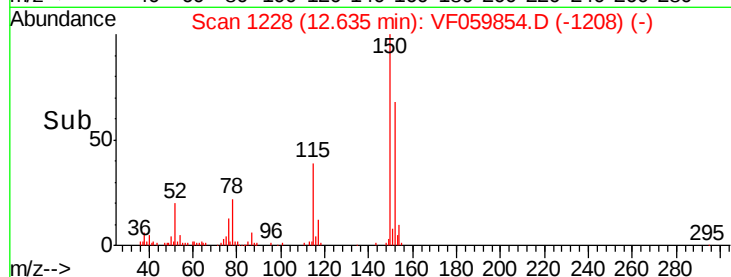
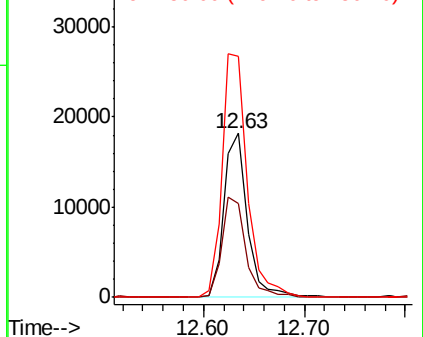
150 147.6 0.0 316.2



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: VF059854.D

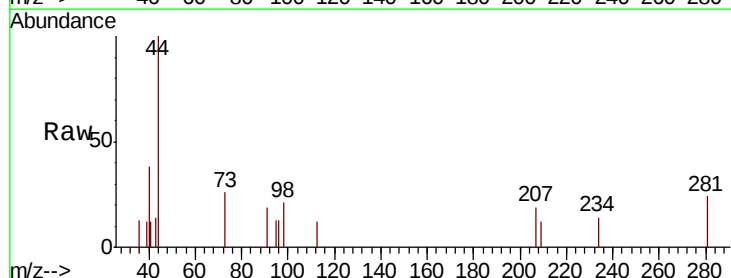
Acq: 3 Aug 2018 22:19

Tgt Ion: 91 Resp: 97

Ion Ratio Lower Upper

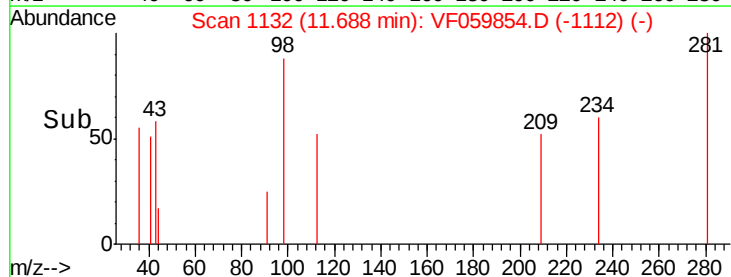
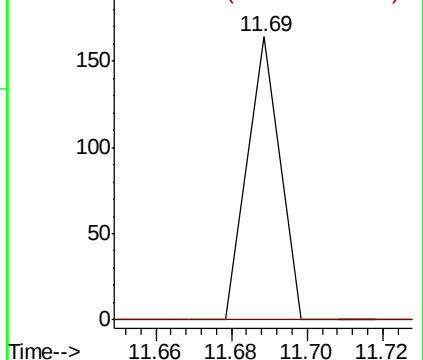
91 100

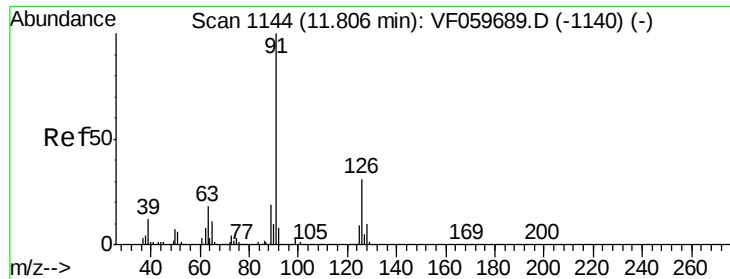
120 0.0 11.0 33.0#



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: 11.79 min Scan# 1142

Delta R.T. -0.02 min

Lab File: VF059854.D

Acq: 3 Aug 2018 22:19

Instrument :

MSVOA_F

ClientSampled :

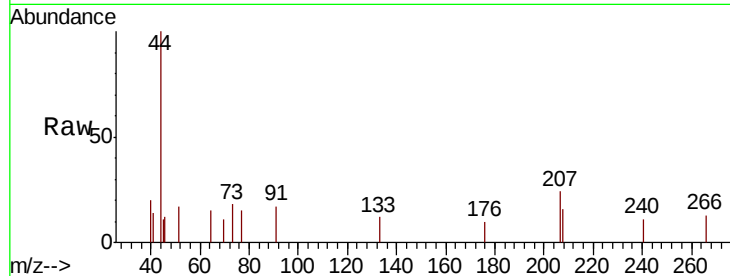
KG-PIT-5RE

Tot Ion: 91 Resp: 193

Ion Ratio Lower Upper

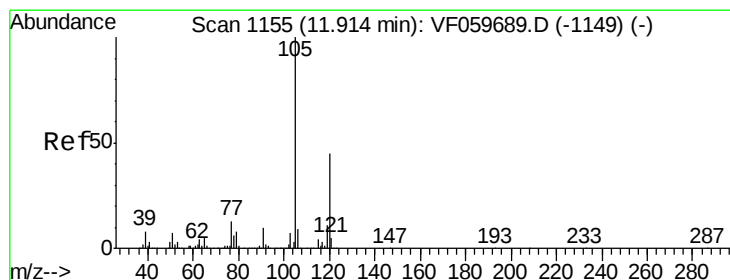
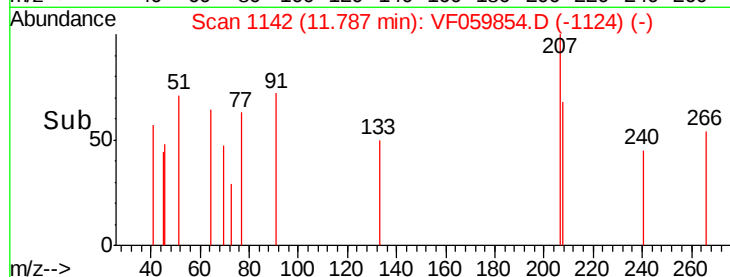
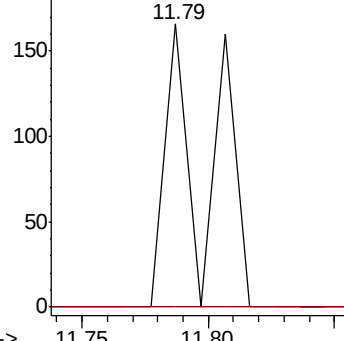
91 100

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: 11.91 min Scan# 1154

Delta R.T. -0.01 min

Lab File: VF059854.D

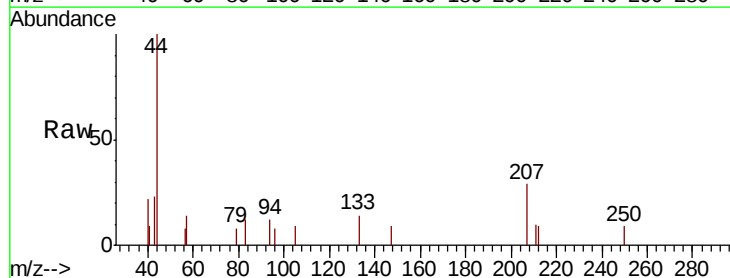
Acq: 3 Aug 2018 22:19

Tgt Ion:105 Resp: 73

Ion Ratio Lower Upper

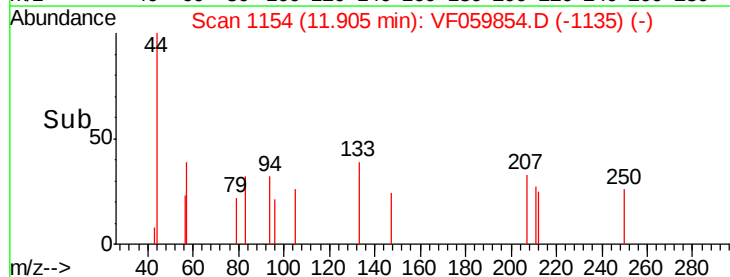
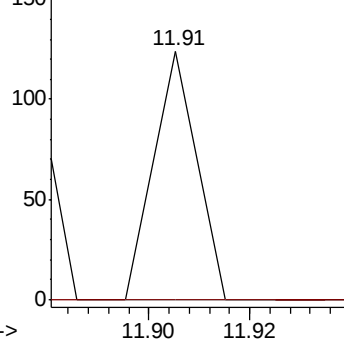
105 100

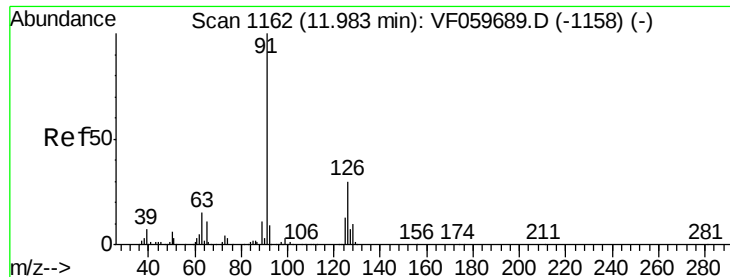
120 0.0 22.7 68.0#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#82

4-Chlorotoluene

Concen: Below Cal

RT: 11.90 min Scan# 1153

Delta R.T. -0.09 min

Lab File: VF059854.D

Acq: 3 Aug 2018 22:19

Instrument :

MSVOA_F

ClientSampleId :

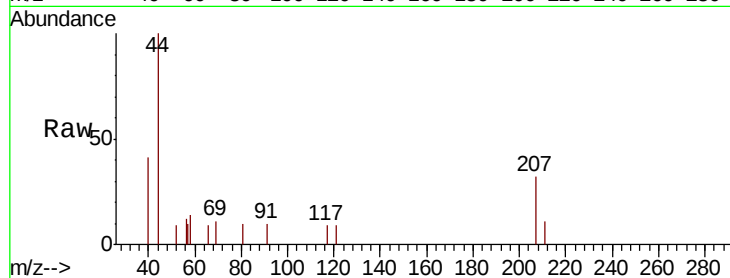
KG-PIT-5RE

Tot Ion: 91 Resp: 63

Ion Ratio Lower Upper

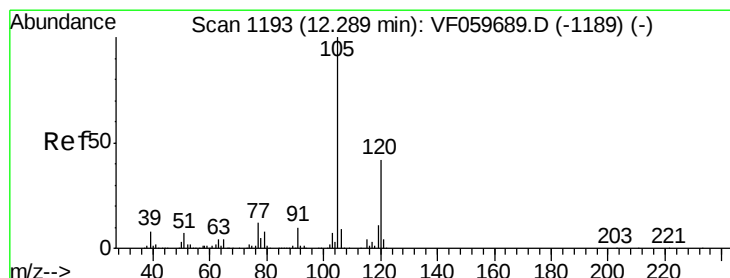
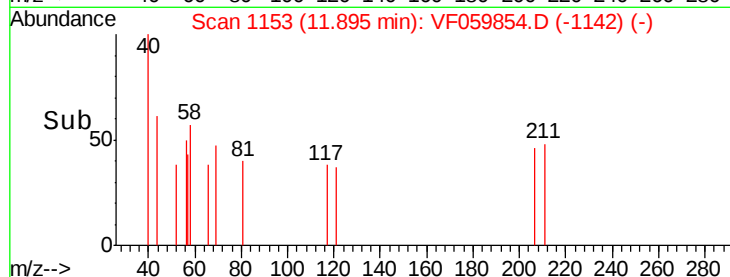
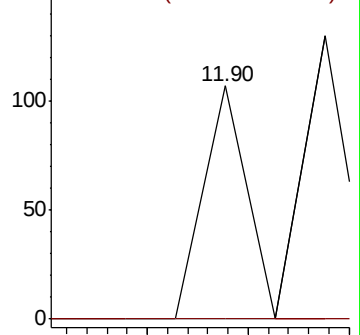
91 100

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: 12.29 min Scan# 1193

Delta R.T. 0.00 min

Lab File: VF059854.D

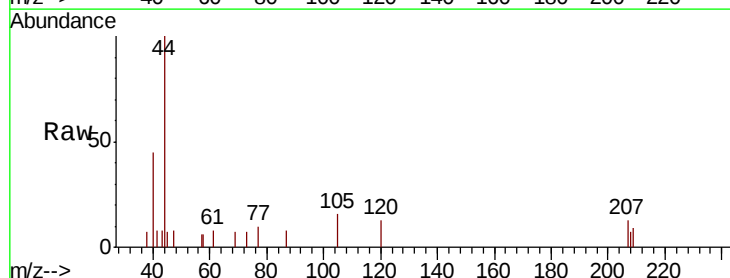
Acq: 3 Aug 2018 22:19

Tgt Ion:105 Resp: 284

Ion Ratio Lower Upper

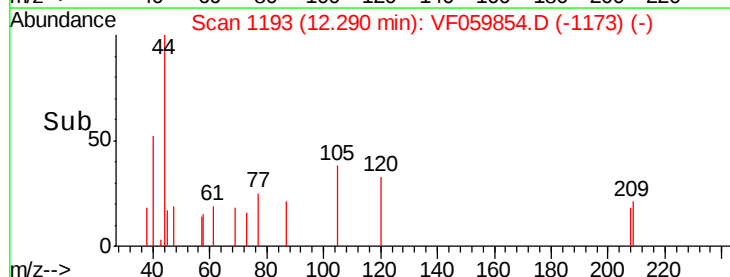
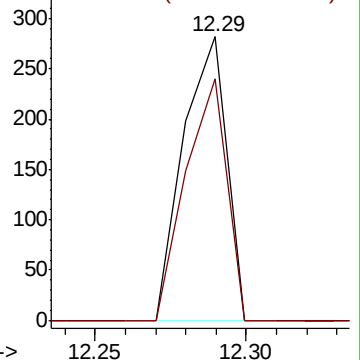
105 100

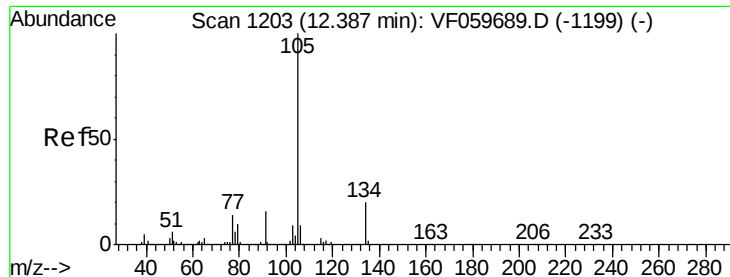
120 85.1 21.1 63.3#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

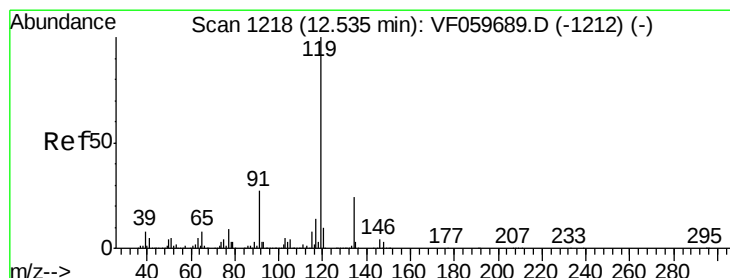
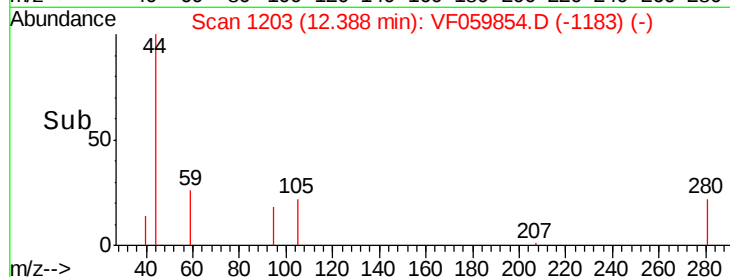
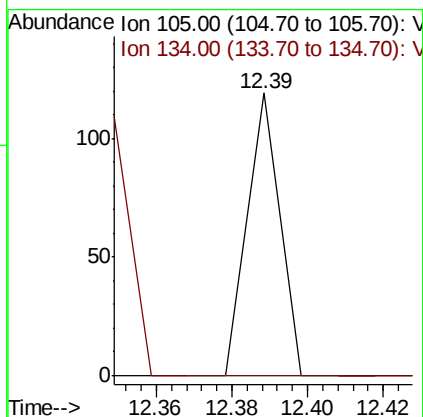
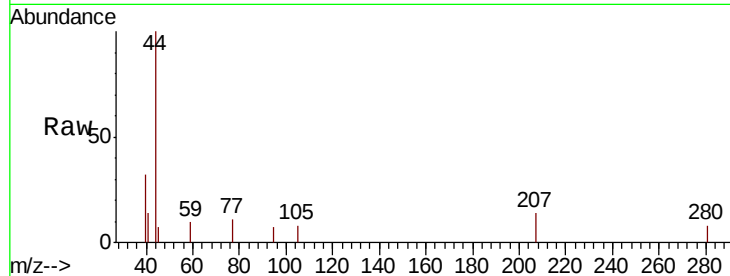




#85
 sec-Butylbenzene
 Concen: Below Cal
 RT: 12.39 min Scan# 1203
 Delta R.T. 0.00 min
 Lab File: VF059854.D
 Acq: 3 Aug 2018 22:19

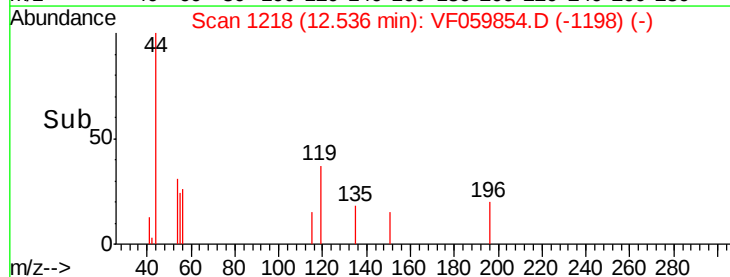
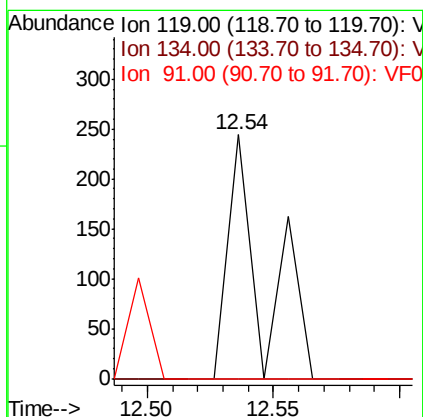
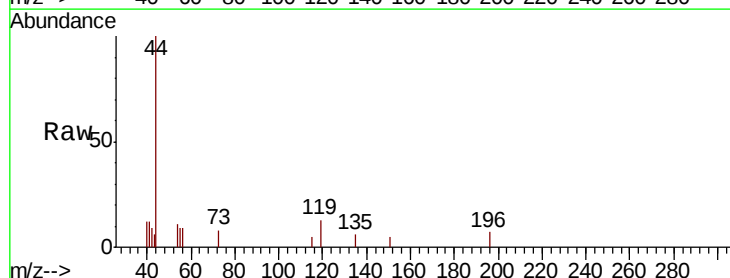
Instrument :
 MSVOA_F
 ClientSampleId :
 KG-PIT-5RE

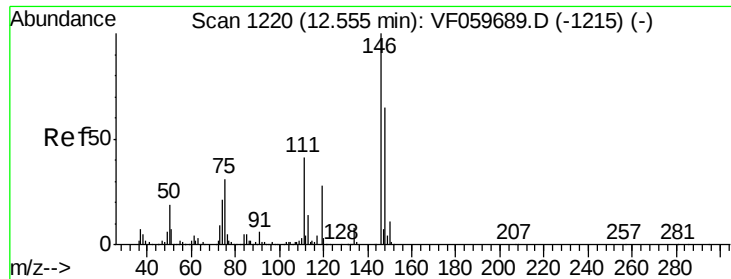
Tot Ion:105 Resp: 70
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.8 29.3#



#86
 p-Isopropyltoluene
 Concen: Below Cal
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VF059854.D
 Acq: 3 Aug 2018 22:19

Tgt Ion:119 Resp: 240
 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: 12.65 min Scan# 1230

Delta R.T. 0.10 min

Lab File: VF059854.D

Acq: 3 Aug 2018 22:19

Instrument :

MSVOA_F

ClientSampleId :

KG-PIT-5RE

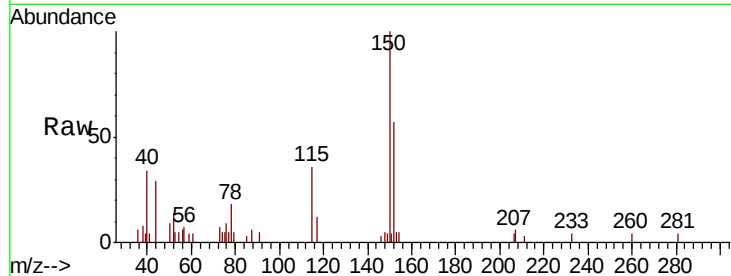
Tot Ion:146 Resp: 62

Ion Ratio Lower Upper

146 100

111 0.0 20.7 62.1#

148 150.5 32.3 96.8#

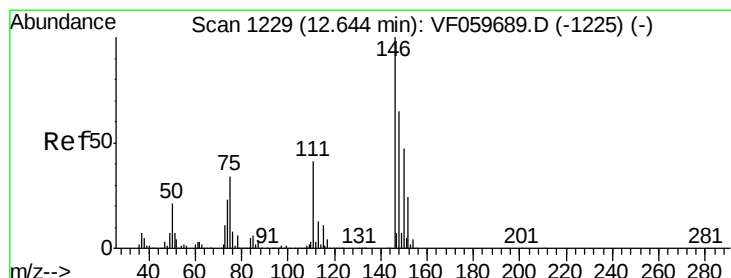
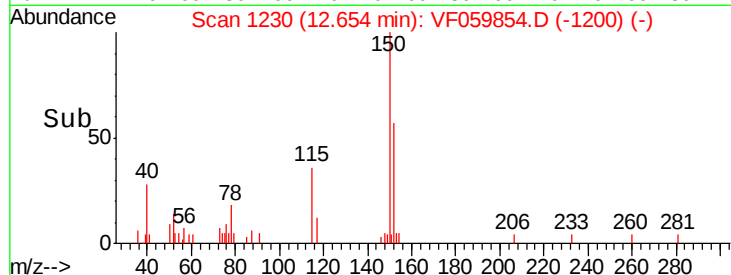
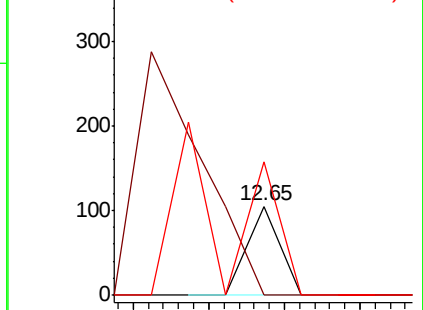


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 12.65 min Scan# 1230

Delta R.T. 0.01 min

Lab File: VF059854.D

Acq: 3 Aug 2018 22:19

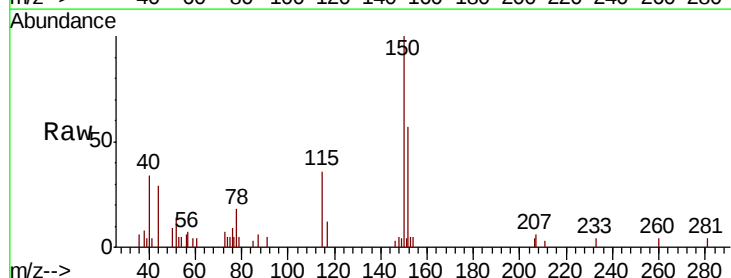
Tgt Ion:146 Resp: 62

Ion Ratio Lower Upper

146 100

111 0.0 20.8 62.2#

148 150.5 32.3 96.9#

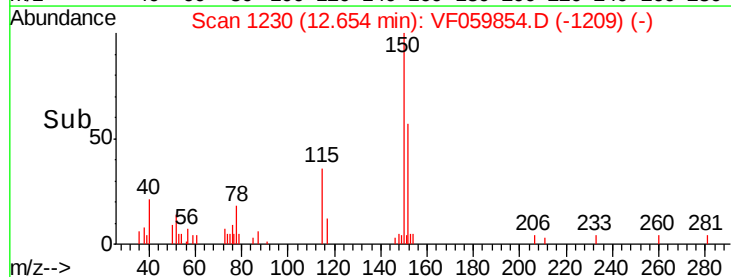
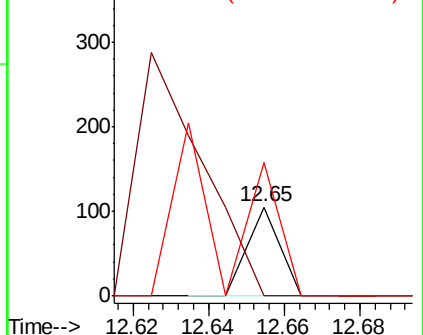


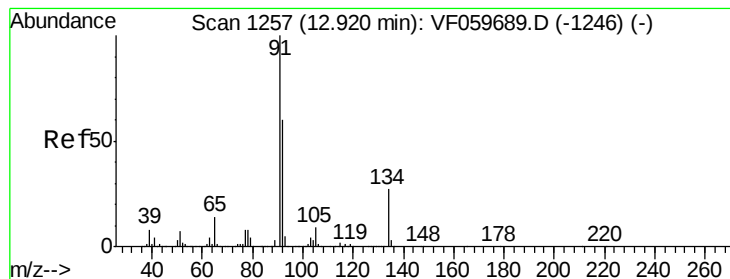
Abundance

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: VF059854.D

Acq: 3 Aug 2018 22:19

Instrument :

MSVOA_F

ClientSampled :

KG-PIT-5RE

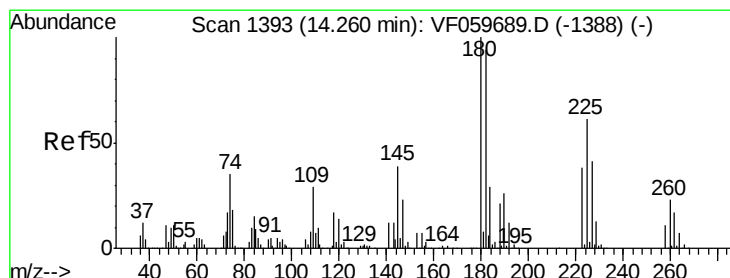
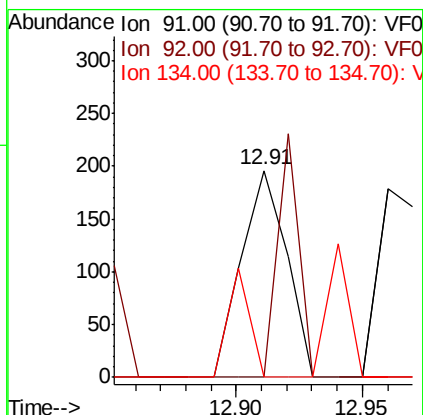
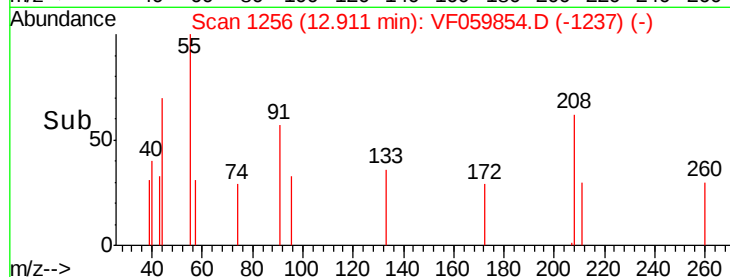
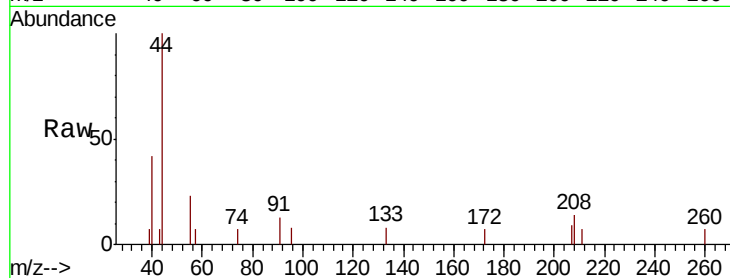
Tot Ion: 91 Resp: 244

Ion Ratio Lower Upper

91 100

92 0.0 30.1 90.3#

134 0.0 13.7 41.0#



#93

1,2,4-Trichlorobenzene

Concen: Below Cal

RT: 14.26 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VF059854.D

Acq: 3 Aug 2018 22:19

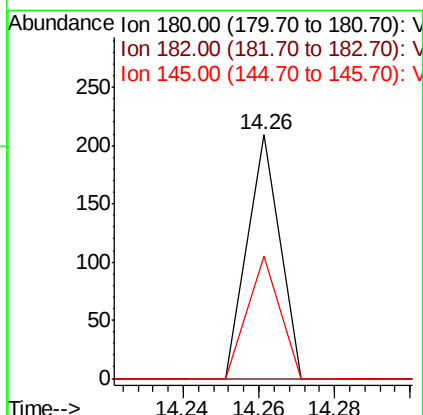
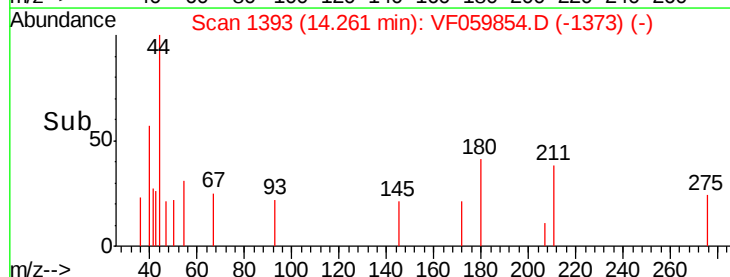
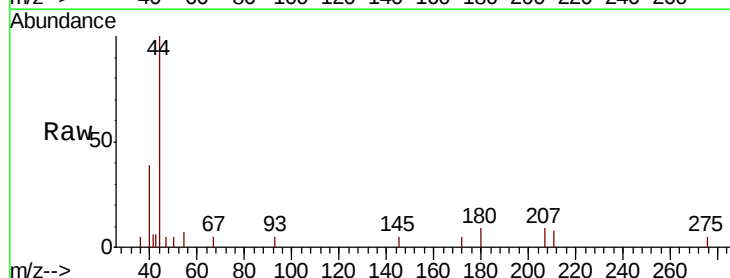
Tgt Ion: 180 Resp: 124

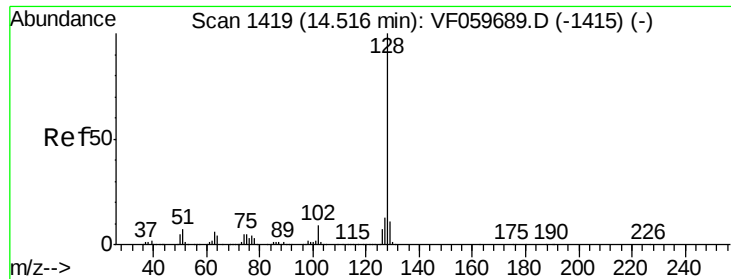
Ion Ratio Lower Upper

180 100

182 0.0 47.2 141.6#

145 50.2 19.3 57.9





#95

Naphthalene

Concen: 1.59 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. 0.00 min

Lab File: VF059854.D

Acq: 3 Aug 2018 22:19

Instrument :

MSVOA_F

ClientSampleId :

KG-PIT-5RE

Tot Ion:128 Resp: 2011

Ion Ratio Lower Upper

128 100

127 15.8 10.0 15.0#

129 14.2 8.6 13.0#

