

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080318\
 Data File : VF059855.D
 Acq On : 3 Aug 2018 22:46
 Operator : VA/AP
 Sample : J4285-21RE
 Misc : 5.87g/5mL/MSVOA F/SOIL
 ALS Vial : 99 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 KG-PIT-6RE

Quant Time: Aug 04 03:19:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 15:23:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	173258	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.76	114	232762	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	151141	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	42492	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	122839	39.45	ug/l	0.00
Spiked Amount			Recovery	=	78.90%	
35) Dibromofluoromethane	4.29	113	91016	37.65	ug/l	0.00
Spiked Amount			Recovery	=	75.30%	
50) Toluene-d8	7.71	98	173790	30.83	ug/l	0.00
Spiked Amount			Recovery	=	61.66%	
62) 4-Bromofluorobenzene	11.51	95	44690	14.32	ug/l	0.00
Spiked Amount			Recovery	=	28.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.99	85	141	Below Cal	#	44
3) Chloromethane	1.09	50	640	Below Cal	#	82
4) Vinyl Chloride	1.24	62	85	Below Cal	#	1
5) Bromomethane	1.35	94	450	Below Cal		92
6) Chloroethane	1.41	64	361	Below Cal		100
10) Methyl Iodide	1.90	142	66	Below Cal	#	20
11) Tert butyl alcohol	2.69	59	341	1.26	ug/l	# 1
13) Acrolein	2.12	56	73	17.10	ug/l	86
16) Acetone	2.34	43	8946	15.97	ug/l	94
17) Carbon Disulfide	1.85	76	2542	Below Cal	#	71
18) Methyl Acetate	2.45	43	3459	Below Cal	#	64
21) trans-1,2-Dichloroethene	2.41	96	214	Below Cal	#	1
28) Bromochloromethane	3.78	49	83	Below Cal	#	15
31) Cyclohexane	3.87	56	138	Below Cal	#	15
36) 1,1-Dichloropropene	4.46	75	79	Below Cal	#	46
37) Ethyl Acetate	4.32	43	148	Below Cal	#	57
39) Methylcyclohexane	5.68	83	154	Below Cal	#	13
41) Methacrylonitrile	4.87	41	143	Below Cal	#	24
49) 1,4-Dioxane	6.94	88	79	Below Cal	#	42
52) Toluene	7.78	92	2847	Below Cal	#	53
58) 2-Chloroethyl Vinyl ether	7.78	63	674	4.40	ug/l	100
64) Tetrachloroethene	8.31	164	773	Below Cal	#	66
68) m/p-Xylenes	10.27	106	303	Below Cal		97
78) n-propylbenzene	11.69	91	327	Below Cal	#	54
79) 2-Chlorotoluene	11.69	91	327	Below Cal	#	44
80) 1,3,5-Trimethylbenzene	11.91	105	348	Below Cal		80
82) 4-Chlorotoluene	11.98	91	65	Below Cal	#	44
84) 1,2,4-Trimethylbenzene	12.29	105	842	Below Cal		96
85) sec-Butylbenzene	12.38	105	198	Below Cal	#	57
86) p-Isopropyltoluene	12.54	119	177	Below Cal	#	12
87) 1,3-Dichlorobenzene	12.55	146	69	Below Cal	#	24
88) 1,4-Dichlorobenzene	12.61	146	65	Below Cal	#	14
89) n-Butylbenzene	12.91	91	346	Below Cal	#	29
91) 1,2-Dichlorobenzene	13.01	146	72	Below Cal	#	1

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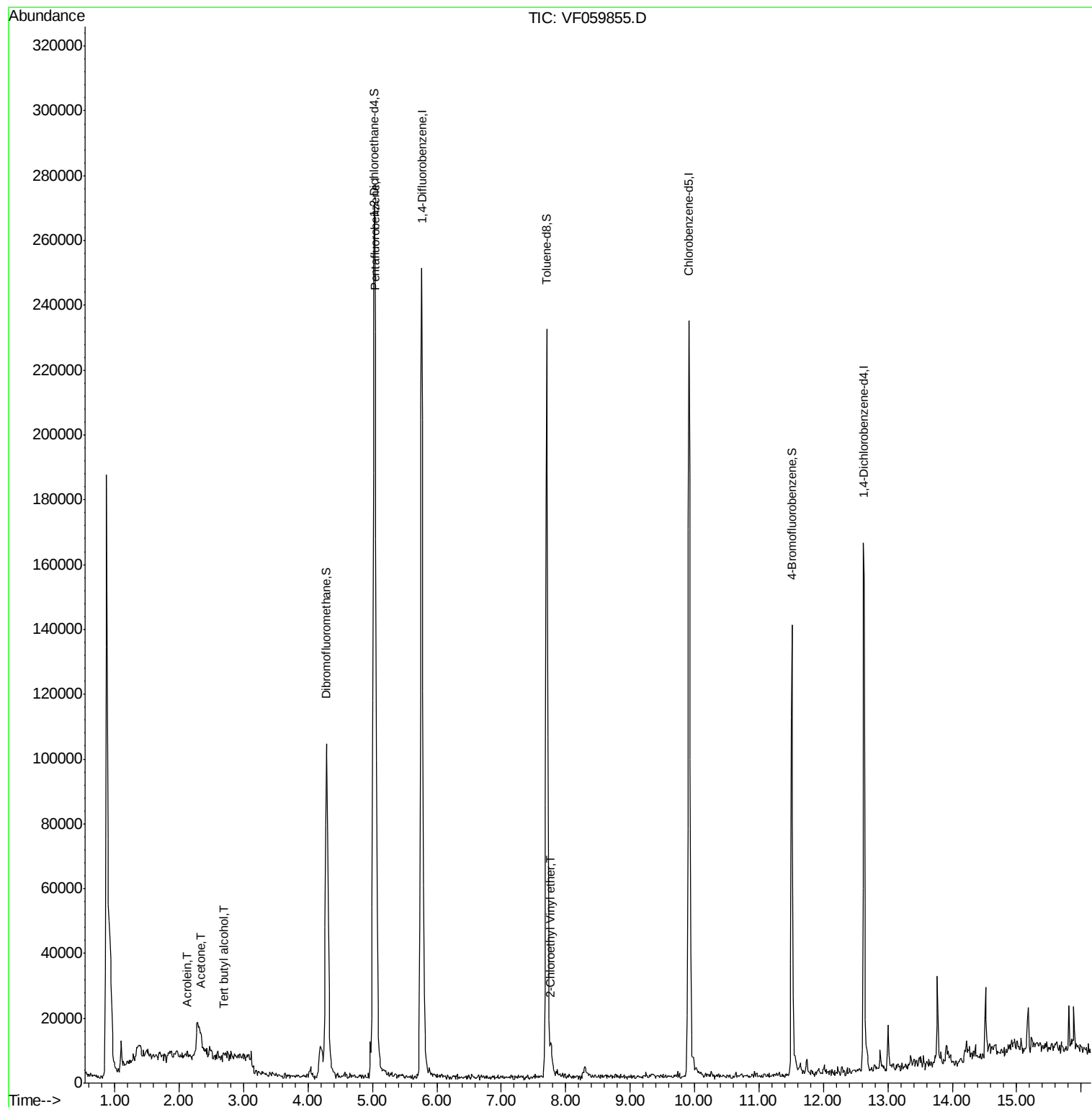
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.39	180	66	Below Cal	#	69

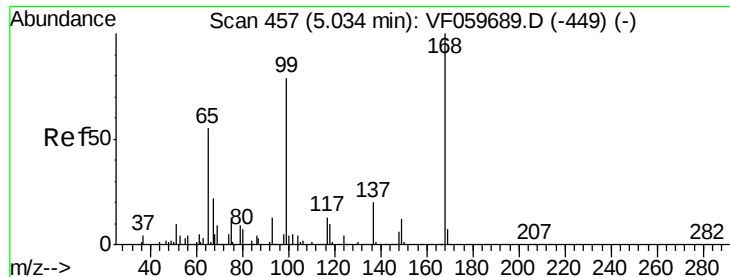
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 458

Delta R.T. 0.01 min

Lab File: VF059855.D

Acq: 3 Aug 2018 22:46

Instrument :

MSVOA_F

ClientSampleId :

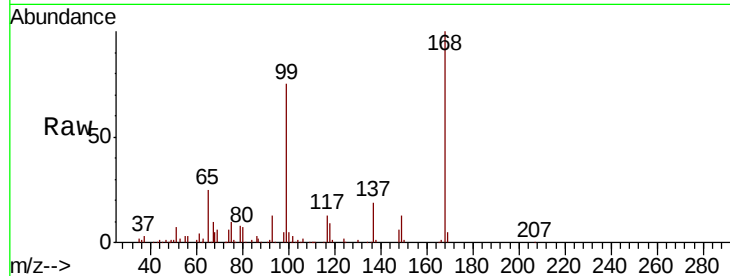
KG-PIT-6RE

Tot Ion:168 Resp: 173258

Ion Ratio Lower Upper

168 100

99 74.5 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

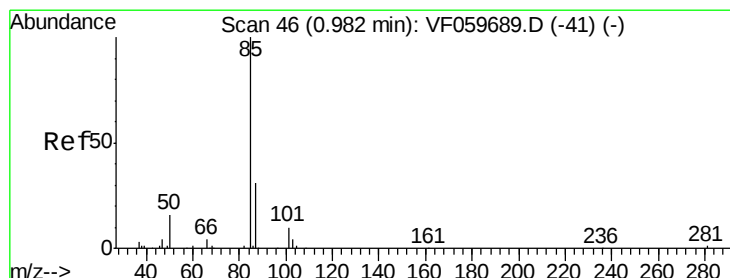
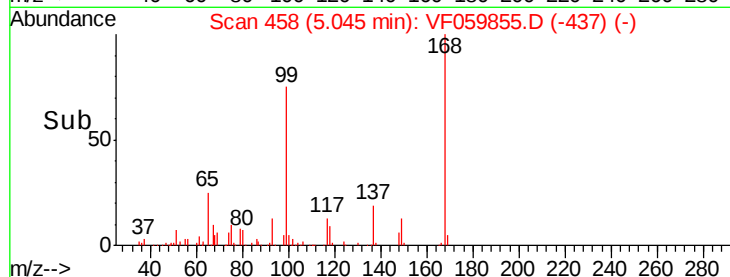
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 0.99 min Scan# 47

Delta R.T. 0.01 min

Lab File: VF059855.D

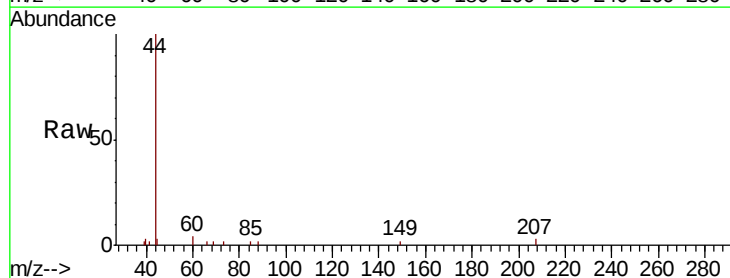
Acq: 3 Aug 2018 22:46

Tgt Ion: 85 Resp: 141

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

0.99

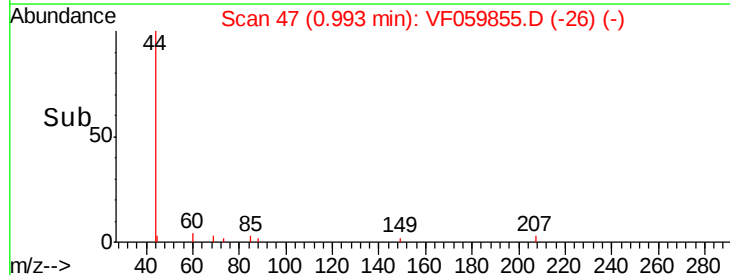
100

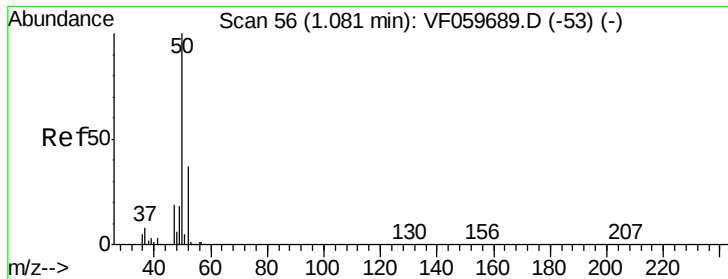
50

0

Time-->

0.94 0.96 0.98 1.00 1.02





#3

Chloromethane

Concen: Below Cal

RT: 1.09 min Scan# 57

Delta R.T. 0.01 min

Lab File: VF059855.D

Acq: 3 Aug 2018 22:46

Instrument :

MSVOA_F

ClientSampleId :

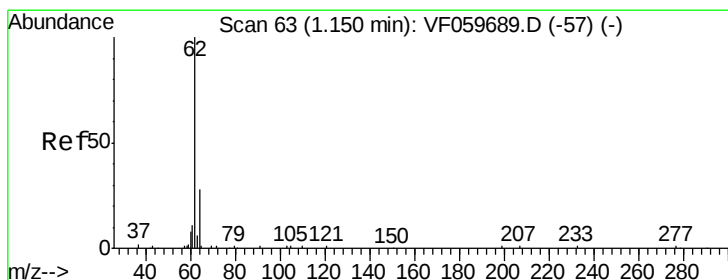
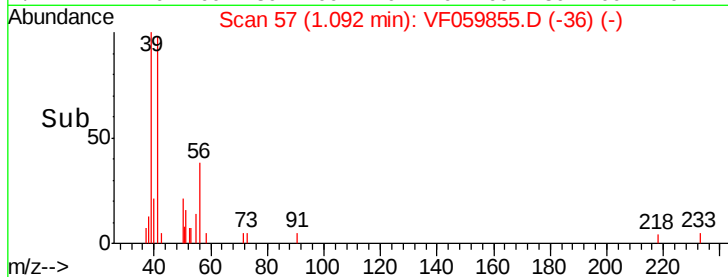
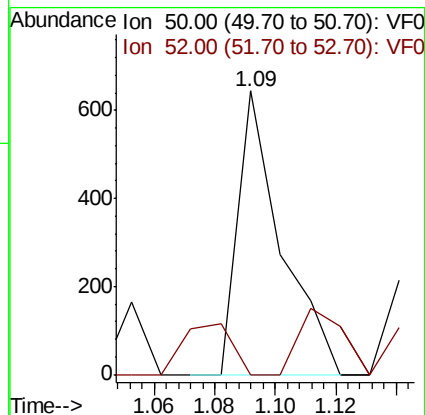
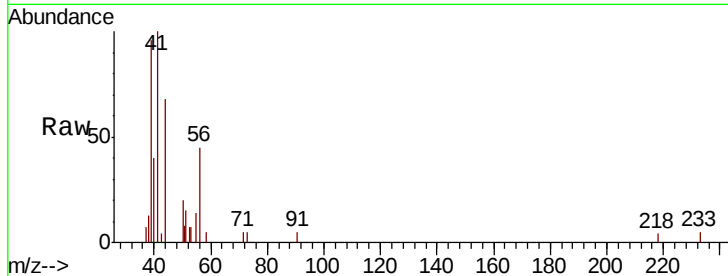
KG-PIT-6RE

Tot Ion: 50 Resp: 640

Ion Ratio Lower Upper

50 100

52 25.9 29.1 43.7#



#4

Vinyl Chloride

Concen: Below Cal

RT: 1.24 min Scan# 72

Delta R.T. 0.09 min

Lab File: VF059855.D

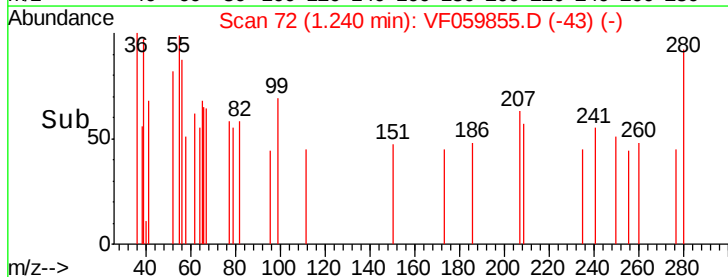
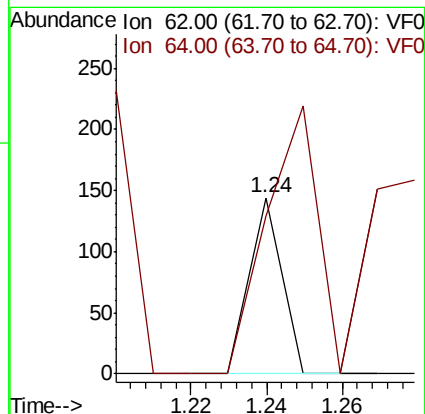
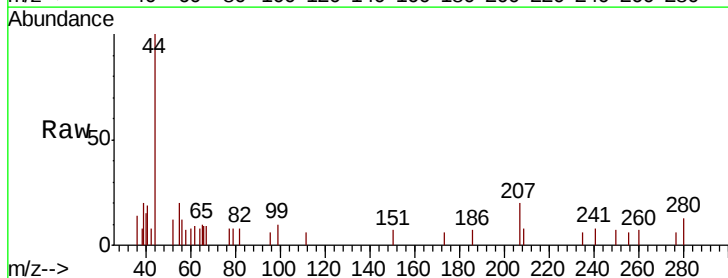
Acq: 3 Aug 2018 22:46

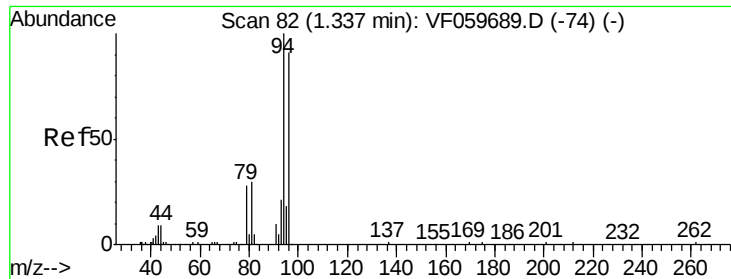
Tgt Ion: 62 Resp: 85

Ion Ratio Lower Upper

62 100

64 89.6 22.6 33.8#





#5

Bromomethane

Concen: Below Cal

RT: 1.35 min Scan# 83

Delta R.T. 0.01 min

Lab File: VF059855.D

Acq: 3 Aug 2018 22:46

Instrument :

MSVOA_F

ClientSampleId :

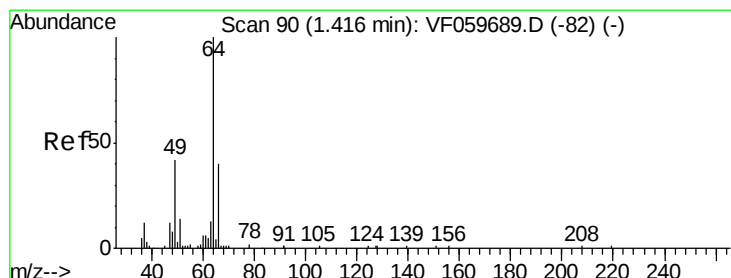
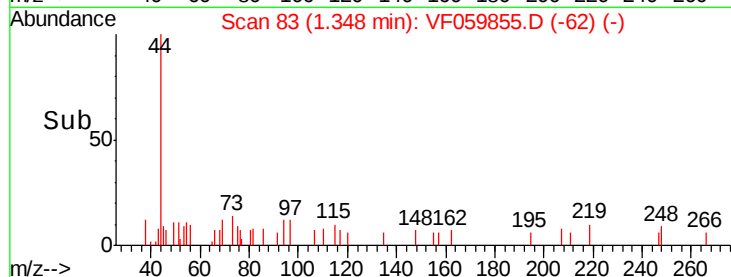
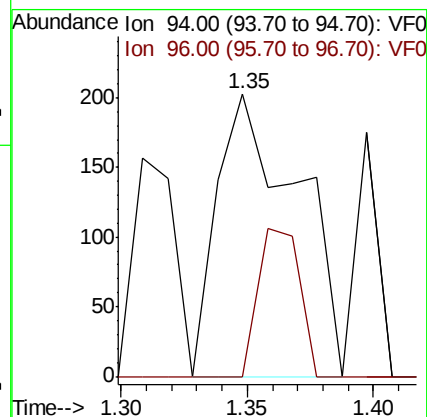
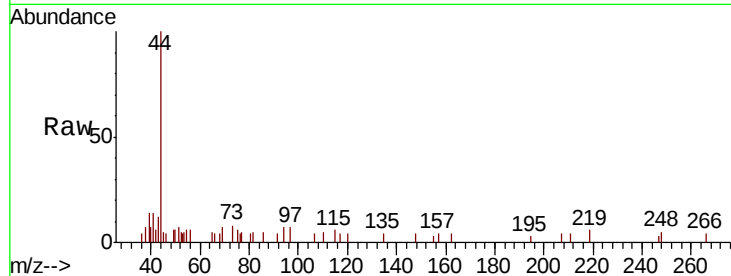
KG-PIT-6RE

Tot Ion: 94 Resp: 450

Ion Ratio Lower Upper

94 100

96 99.5 73.6 110.4



#6

Chloroethane

Concen: Below Cal

RT: 1.41 min Scan# 89

Delta R.T. -0.01 min

Lab File: VF059855.D

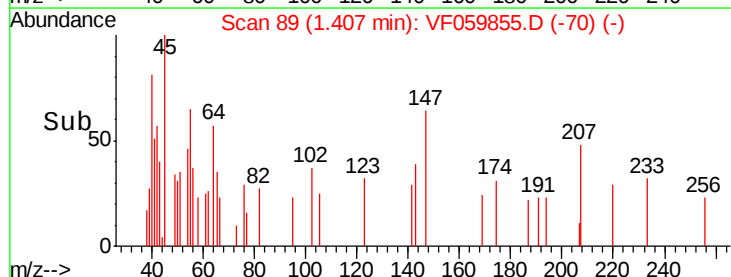
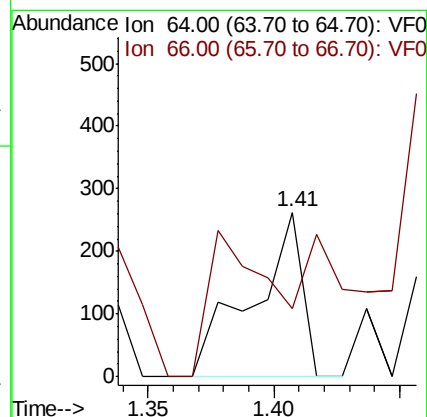
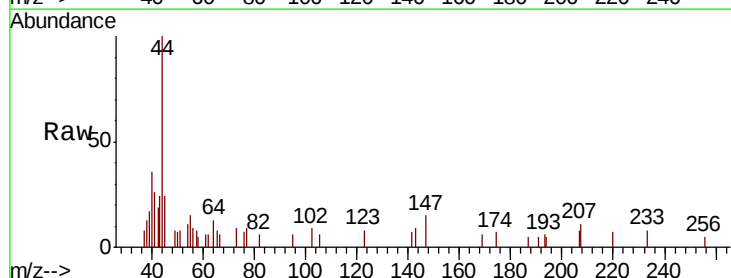
Acq: 3 Aug 2018 22:46

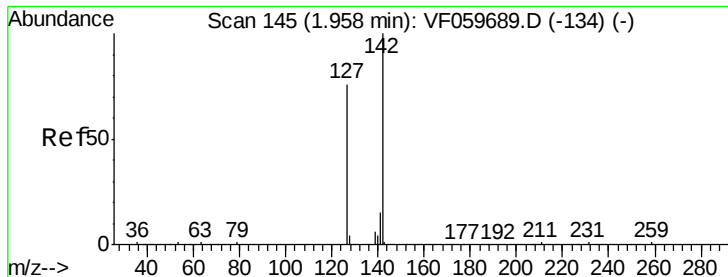
Tgt Ion: 64 Resp: 361

Ion Ratio Lower Upper

64 100

66 41.1 32.6 49.0

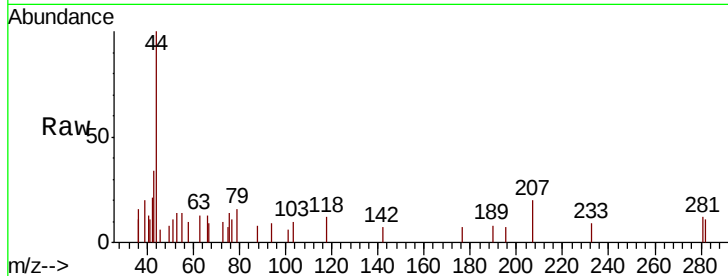




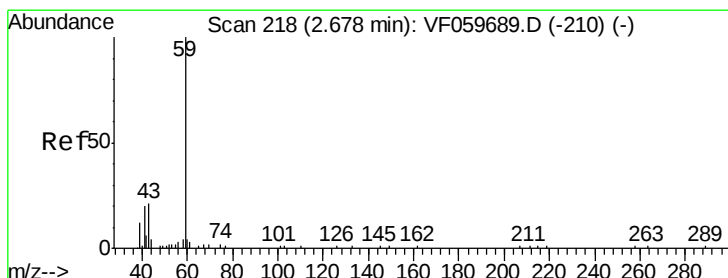
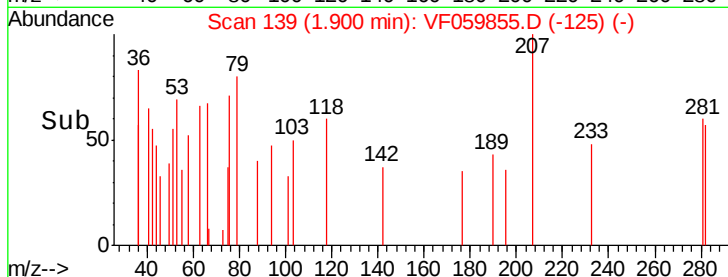
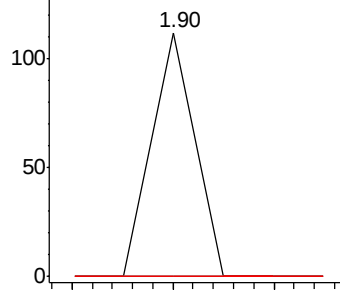
#10
Methyl Iodide
Concen: Below Cal
RT: 1.90 min Scan# 139
Delta R.T. -0.06 min
Lab File: VF059855.D
Acq: 3 Aug 2018 22:46

Instrument :
MSVOA_F
ClientSampleID :
KG-PIT-6RE

Tot Ion:142 Resp: 66
Ion Ratio Lower Upper
142 100
127 0.0 60.6 91.0#
141 0.0 12.0 18.0#

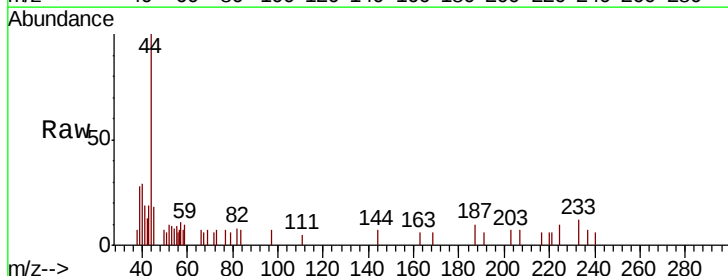


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

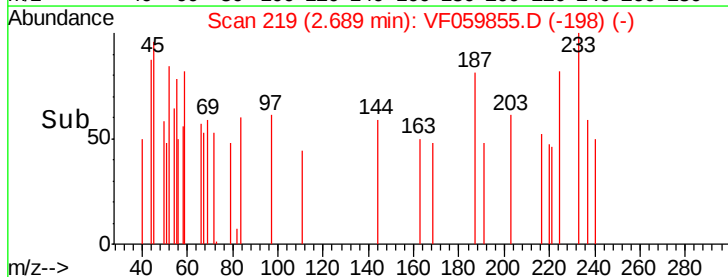
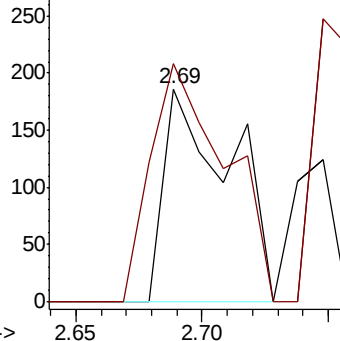


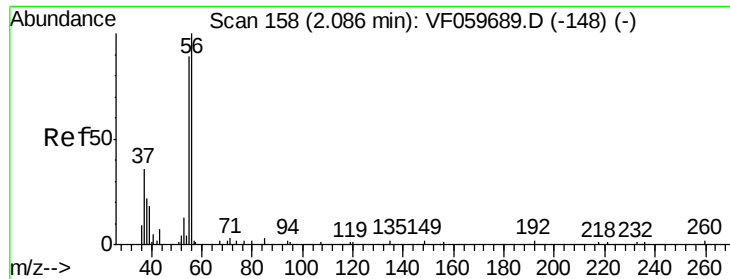
#11
Tert butyl alcohol
Concen: 1.26 ug/l
RT: 2.69 min Scan# 219
Delta R.T. 0.01 min
Lab File: VF059855.D
Acq: 3 Aug 2018 22:46

Tgt Ion: 59 Resp: 341
Ion Ratio Lower Upper
59 100
57 111.8 7.6 11.4#



Abundance Ion 59.00 (58.70 to 59.70): VF0
Ion 57.00 (56.70 to 57.70): VF0

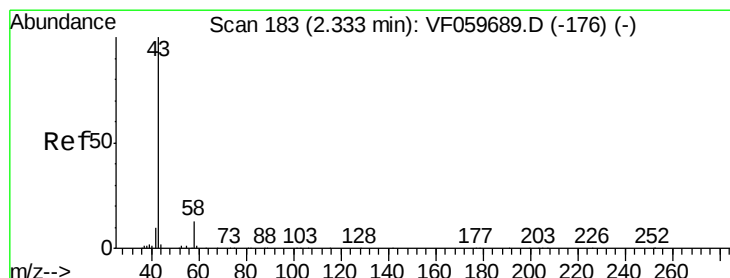
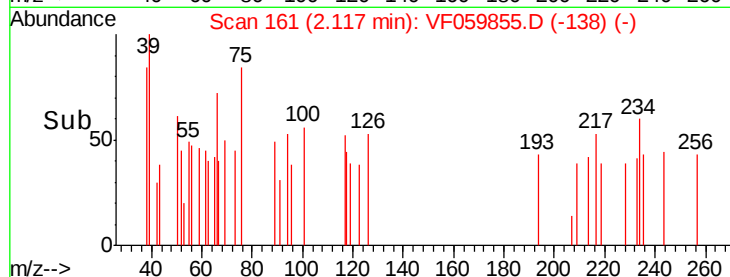
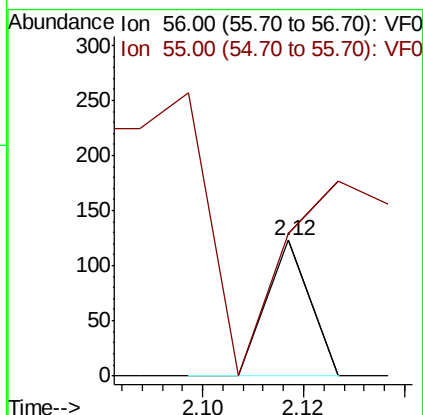
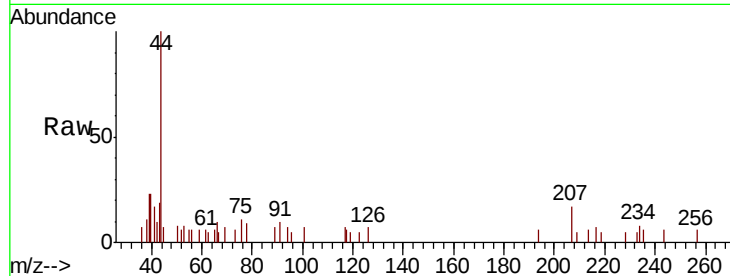




#13
Acrolein
Concen: 17.10 ug/l
RT: 2.12 min Scan# 161
Delta R.T. 0.03 min
Lab File: VF059855.D
Acq: 3 Aug 2018 22:46

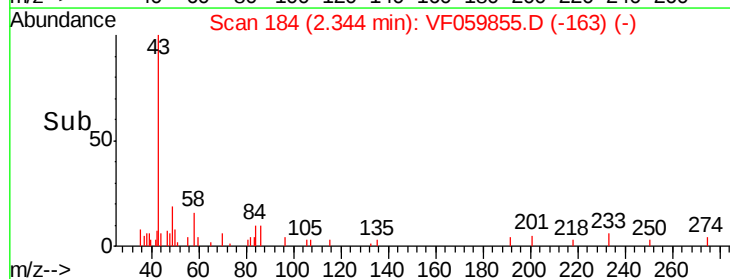
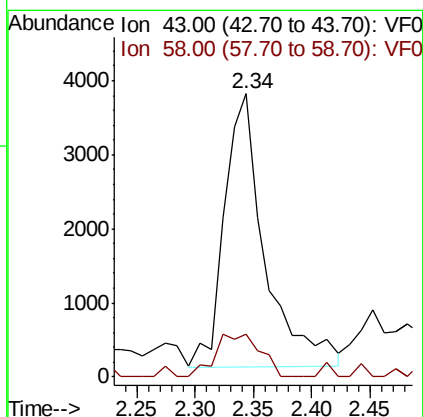
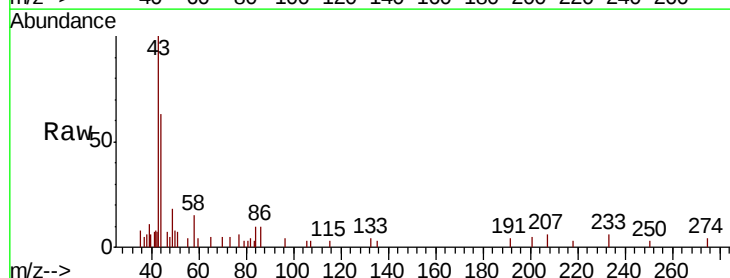
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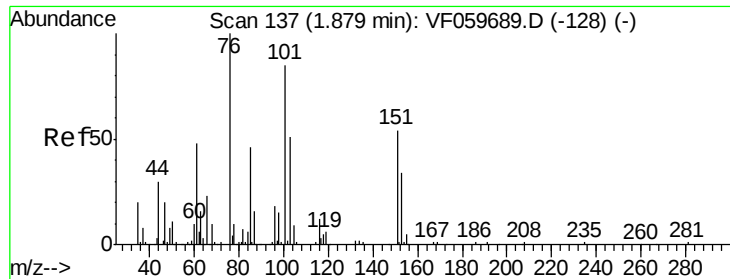
Tot Ion: 56 Resp: 73
Ion Ratio Lower Upper
56 100
55 104.9 73.2 109.8



#16
Acetone
Concen: 15.97 ug/l
RT: 2.34 min Scan# 184
Delta R.T. 0.01 min
Lab File: VF059855.D
Acq: 3 Aug 2018 22:46

Tgt Ion: 43 Resp: 8946
Ion Ratio Lower Upper
43 100
58 15.1 10.1 15.1

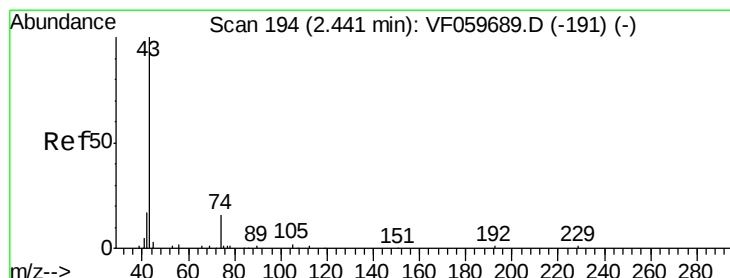
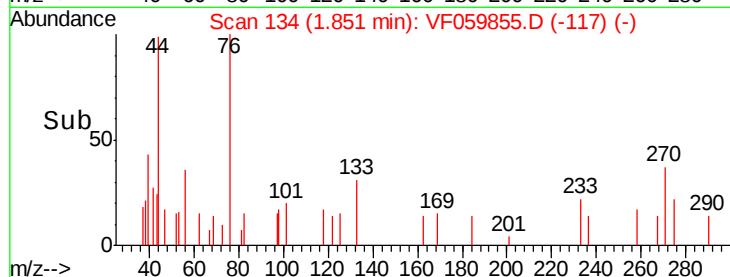
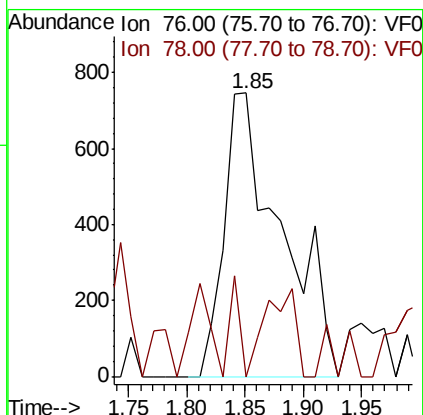
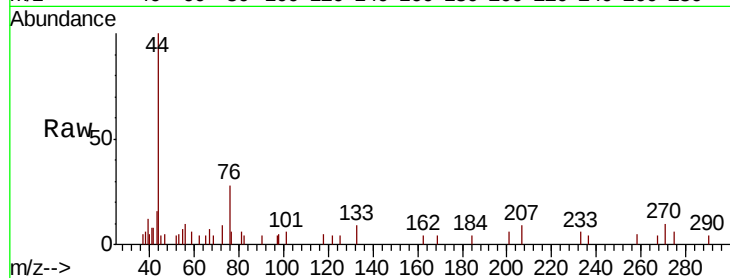




#17
Carbon Disulfide
Concen: Below Cal
RT: 1.85 min Scan# 134
Delta R.T. -0.03 min
Lab File: VF059855.D
Acq: 3 Aug 2018 22:46

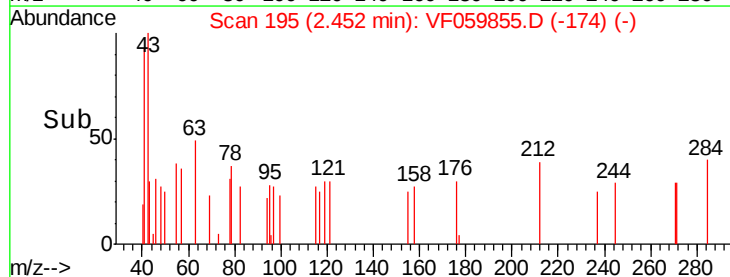
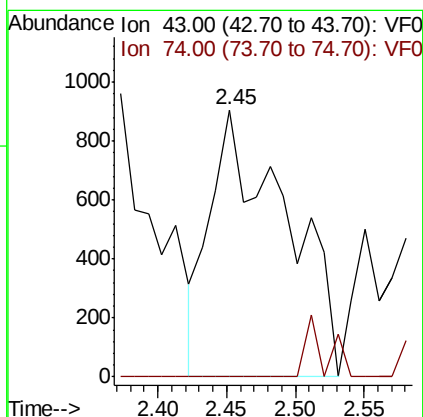
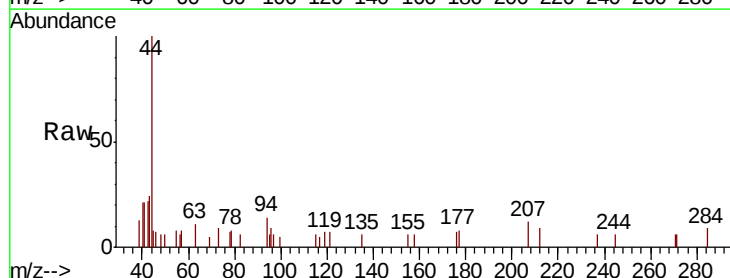
Instrument :
MSVOA_F
ClientSampleId :
KG-PIT-6RE

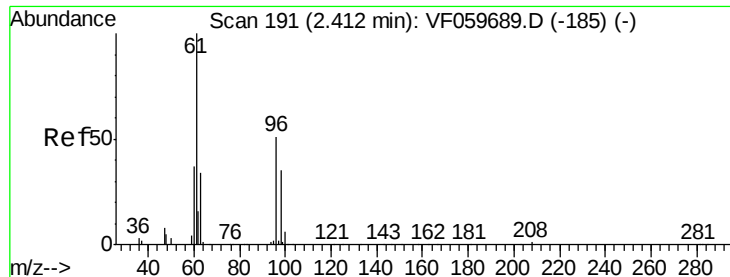
Tot Ion: 76 Resp: 2542
Ion Ratio Lower Upper
76 100
78 0.0 8.9 13.3#



#18
Methyl Acetate
Concen: Below Cal
RT: 2.45 min Scan# 195
Delta R.T. 0.01 min
Lab File: VF059855.D
Acq: 3 Aug 2018 22:46

Tgt Ion: 43 Resp: 3459
Ion Ratio Lower Upper
43 100
74 0.0 11.8 17.6#





#21

trans-1,2-Dichloroethene

Concen: Below Cal

RT: 2.41 min Scan# 191

Delta R.T. 0.00 min

Lab File: VF059855.D

Acq: 3 Aug 2018 22:46

Instrument :

MSVOA_F

ClientSampleId :

KG-PIT-6RE

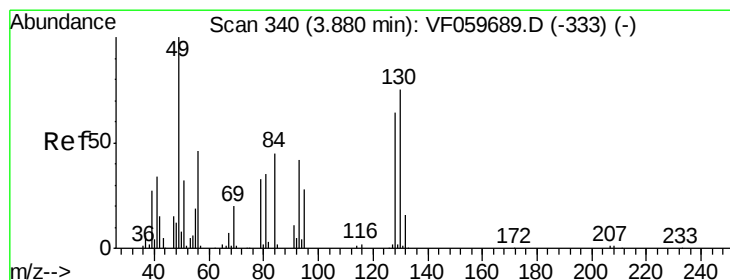
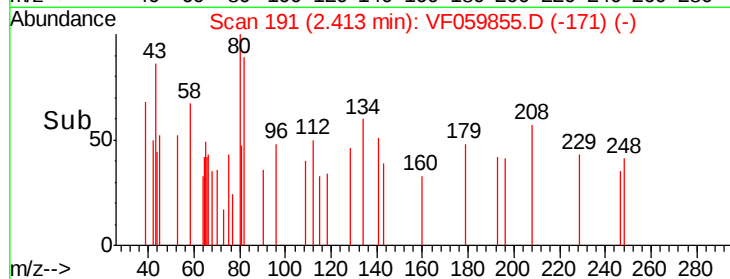
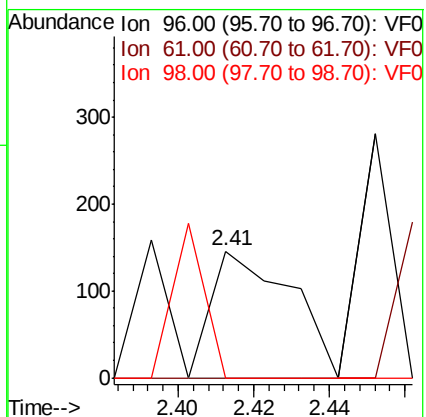
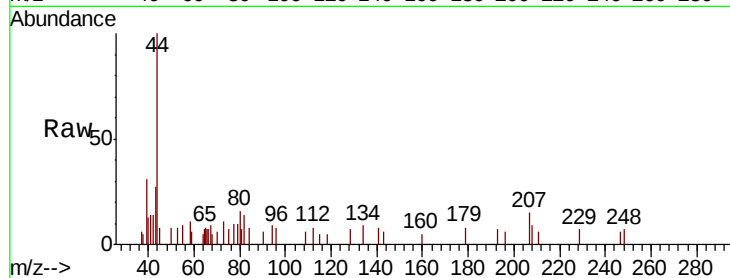
Tot Ion: 96 Resp: 214

Ion Ratio Lower Upper

96 100

61 0.0 157.4 236.0#

98 0.0 55.0 82.4#



#28

Bromochloromethane

Concen: Below Cal

RT: 3.78 min Scan# 330

Delta R.T. -0.10 min

Lab File: VF059855.D

Acq: 3 Aug 2018 22:46

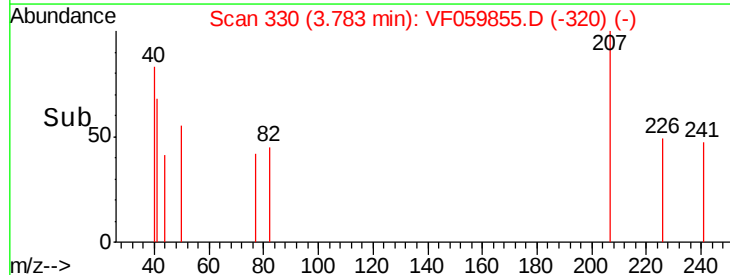
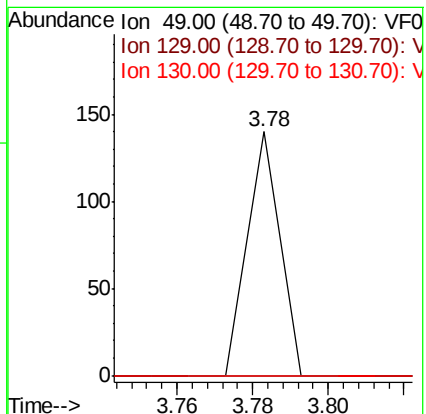
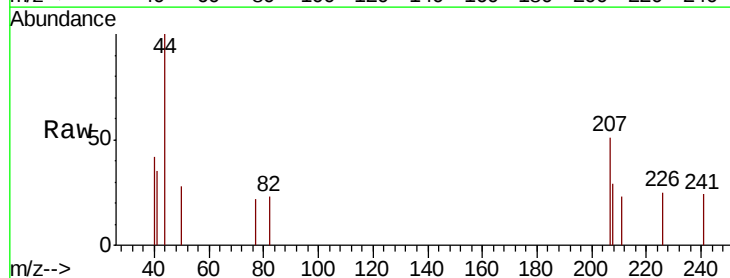
Tgt Ion: 49 Resp: 83

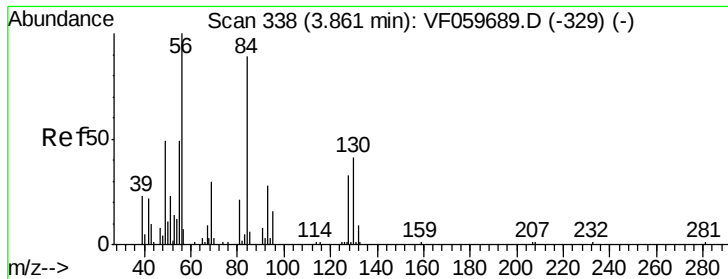
Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.8

130 0.0 59.6 89.4#





#31

Cyclohexane

Concen: Below Cal

RT: 3.87 min Scan# 339

Delta R.T. 0.01 min

Lab File: VF059855.D

Acq: 3 Aug 2018 22:46

Instrument :

MSVOA_F

ClientSampleId :

KG-PIT-6RE

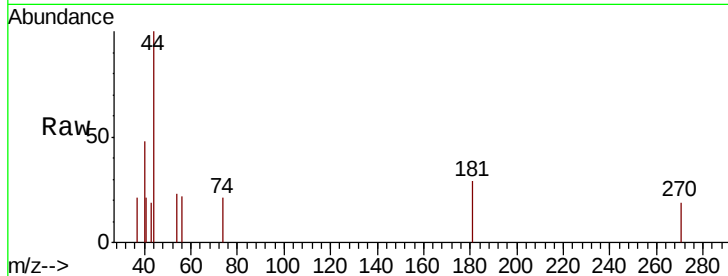
Tot Ion: 56 Resp: 138

Ion Ratio Lower Upper

56 100

69 0.0 23.7 35.5#

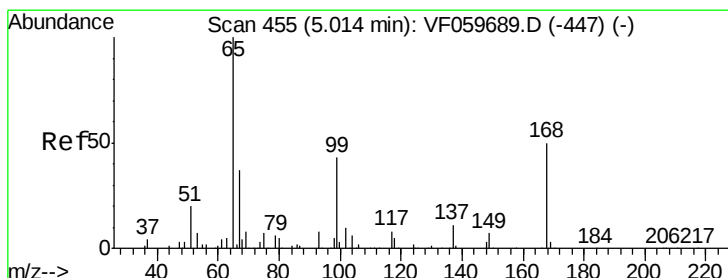
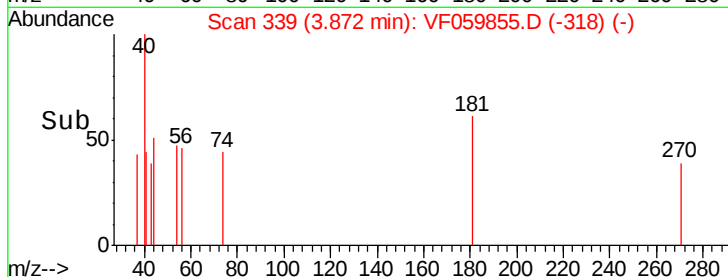
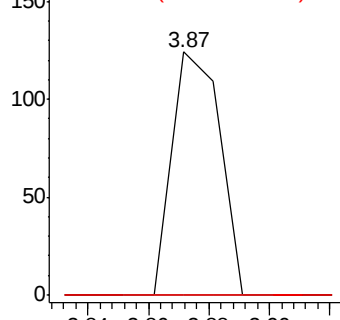
84 0.0 71.1 106.7#



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: 39.45 ug/l

RT: 5.01 min Scan# 455

Delta R.T. 0.00 min

Lab File: VF059855.D

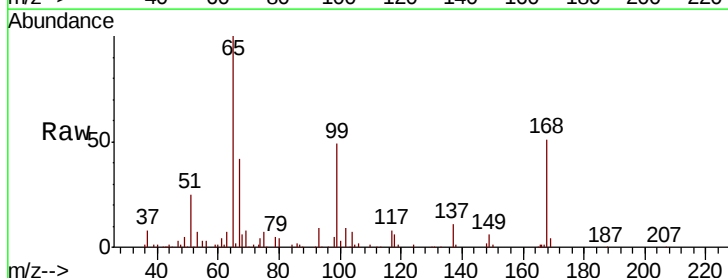
Acq: 3 Aug 2018 22:46

Tgt Ion: 65 Resp: 122839

Ion Ratio Lower Upper

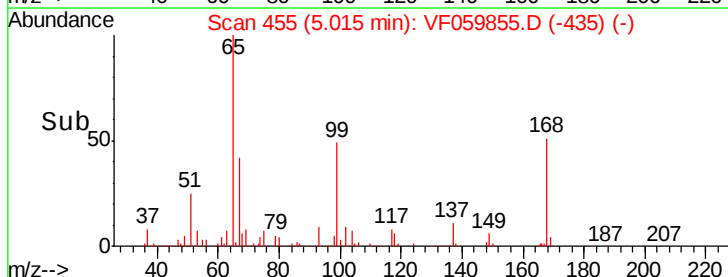
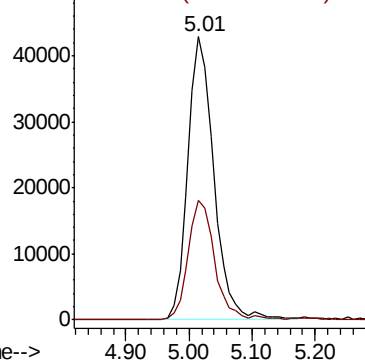
65 100

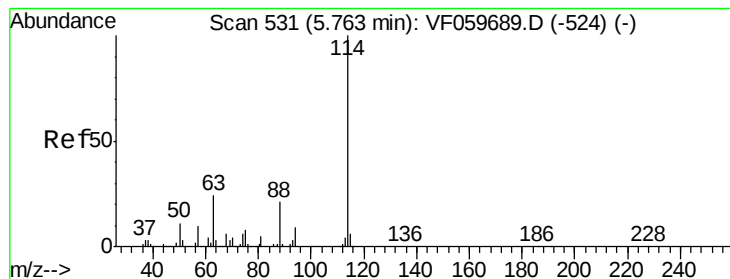
67 42.3 0.0 84.6



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: VF059855.D

Acq: 3 Aug 2018 22:46

Instrument :

MSVOA_F

ClientSampleId :

KG-PIT-6RE

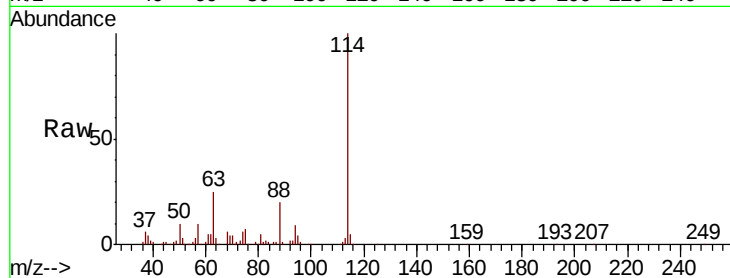
Tot Ion:114 Resp: 232762

Ion Ratio Lower Upper

114 100

63 25.2 0.0 47.4

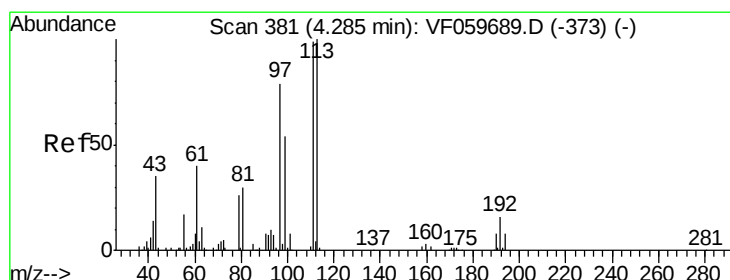
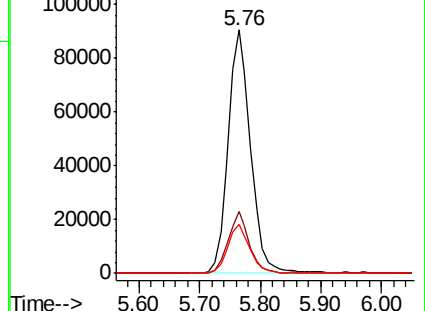
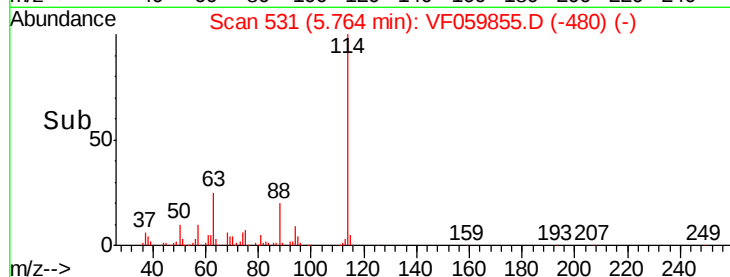
88 19.9 0.0 41.2



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: 37.65 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.00 min

Lab File: VF059855.D

Acq: 3 Aug 2018 22:46

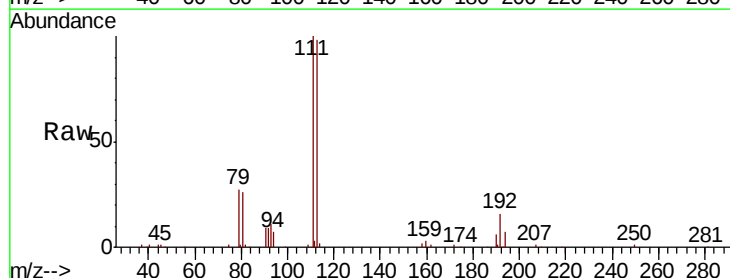
Tgt Ion:113 Resp: 91016

Ion Ratio Lower Upper

113 100

111 102.1 79.0 118.4

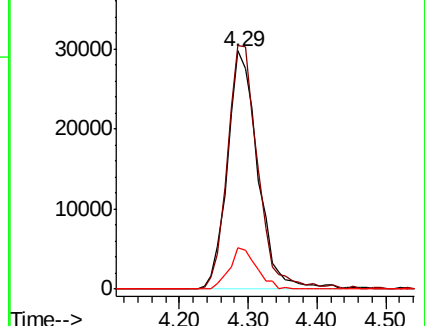
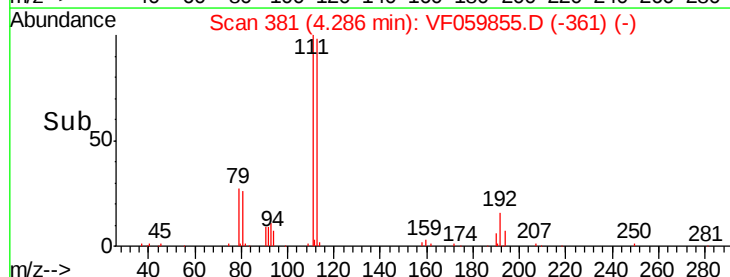
192 17.2 13.2 19.8

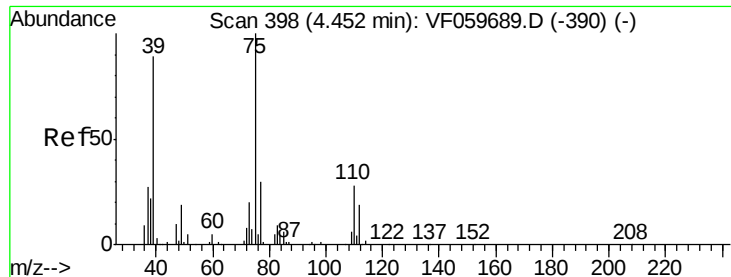


Abundance Ion 113.00 (112.70 to 113.70): V

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: VF059855.D

Acq: 3 Aug 2018 22:46

Instrument :

MSVOA_F

ClientSampleId :

KG-PIT-6RE

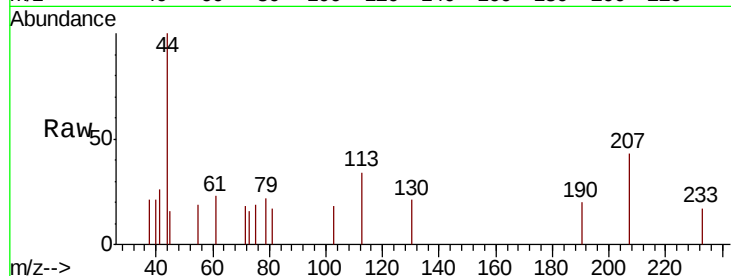
Tot Ion: 75 Resp: 79

Ion Ratio Lower Upper

75 100

110 0.0 14.0 41.9#

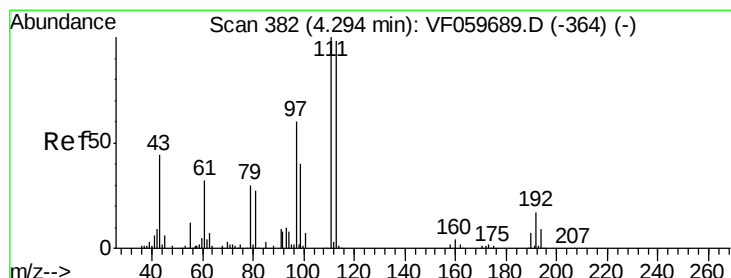
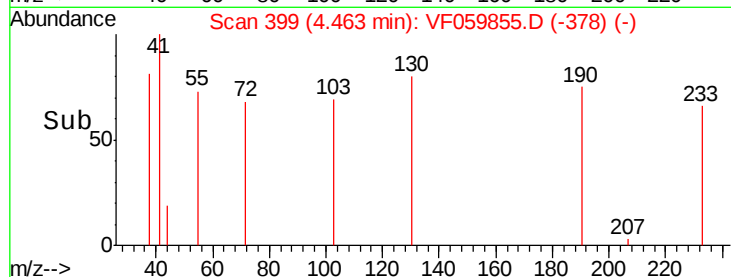
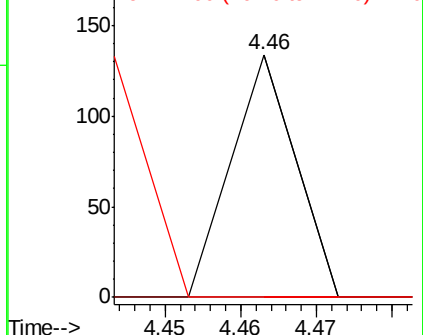
77 0.0 24.2 36.2#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0



#37

Ethyl Acetate

Concen: Below Cal

RT: 4.32 min Scan# 384

Delta R.T. 0.02 min

Lab File: VF059855.D

Acq: 3 Aug 2018 22:46

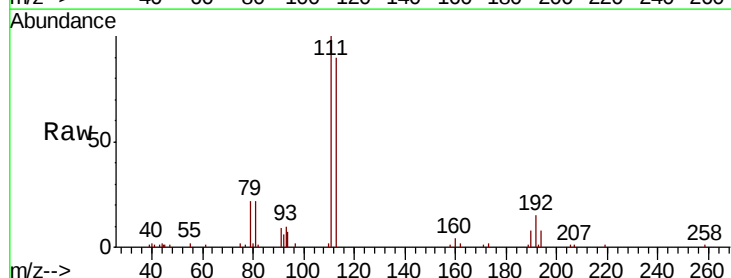
Tgt Ion: 43 Resp: 148

Ion Ratio Lower Upper

43 100

61 110.3 58.2 87.2#

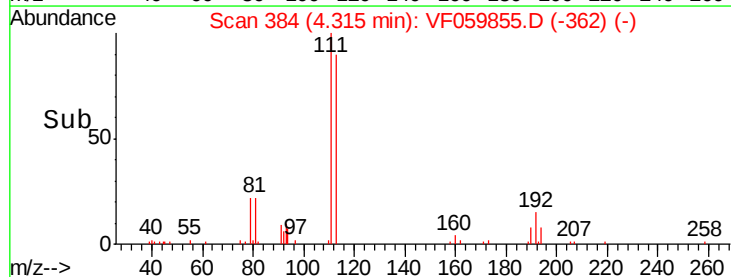
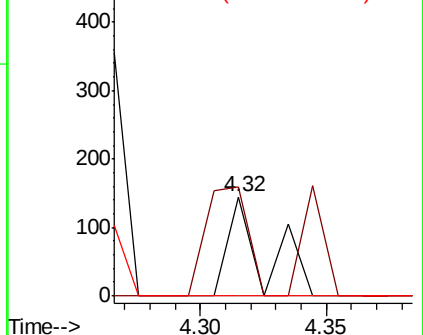
70 0.0 6.0 9.0#

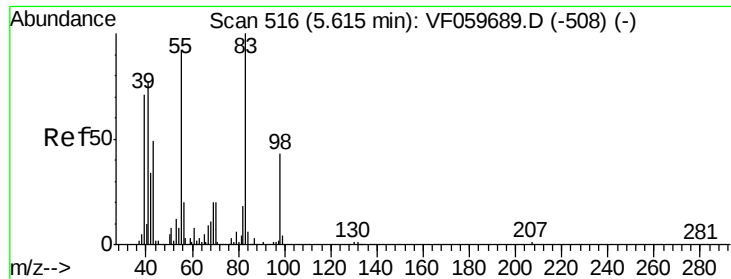


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

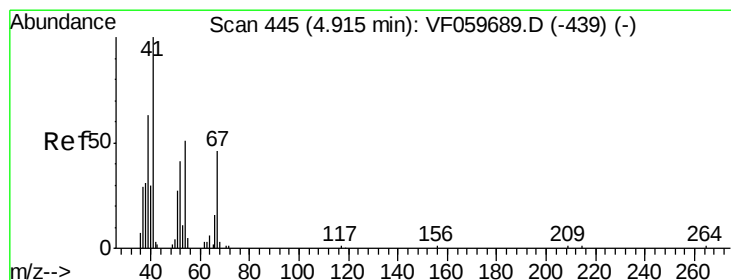
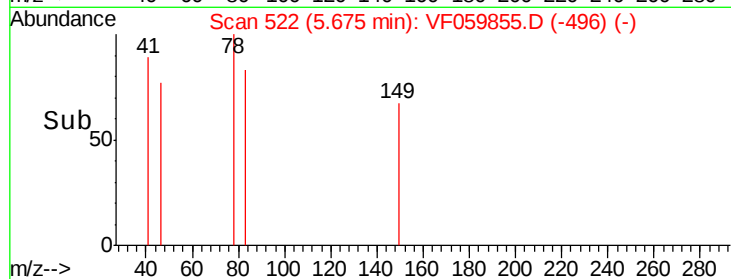
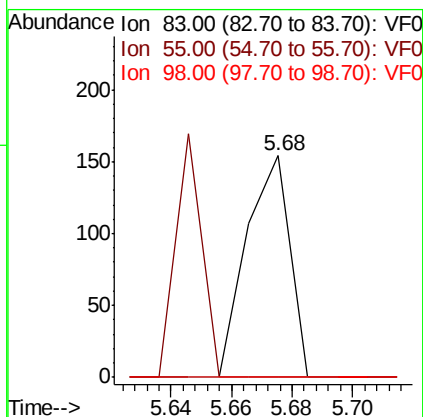
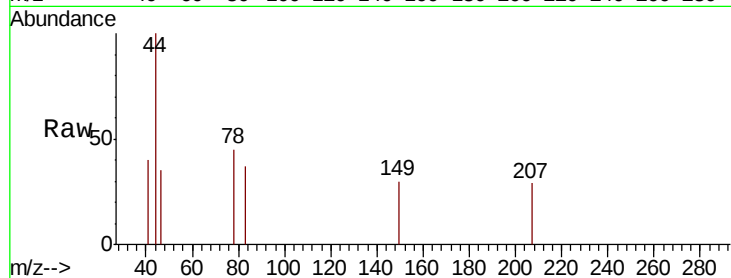




#39
Methylcyclohexane
Concen: Below Cal
RT: 5.68 min Scan# 522
Delta R.T. 0.06 min
Lab File: VF059855.D
Acq: 3 Aug 2018 22:46

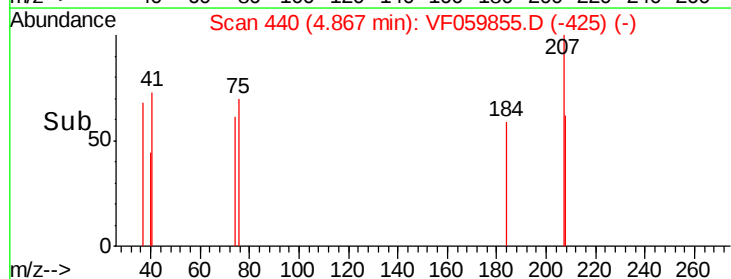
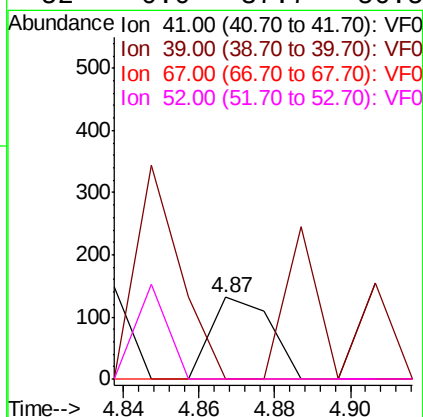
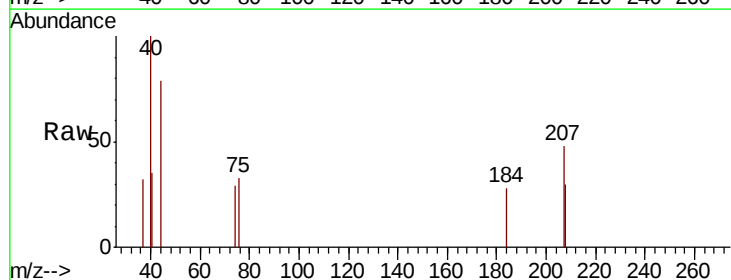
Instrument :
MSVOA_F
ClientSampleId :
KG-PIT-6RE

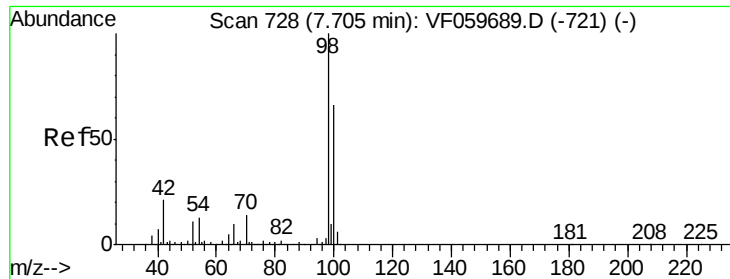
Tot Ion: 83 Resp: 154
Ion Ratio Lower Upper
83 100
55 0.0 73.4 110.2#
98 0.0 34.2 51.4#



#41
Methacrylonitrile
Concen: Below Cal
RT: 4.87 min Scan# 440
Delta R.T. -0.05 min
Lab File: VF059855.D
Acq: 3 Aug 2018 22:46

Tgt Ion: 41 Resp: 143
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#

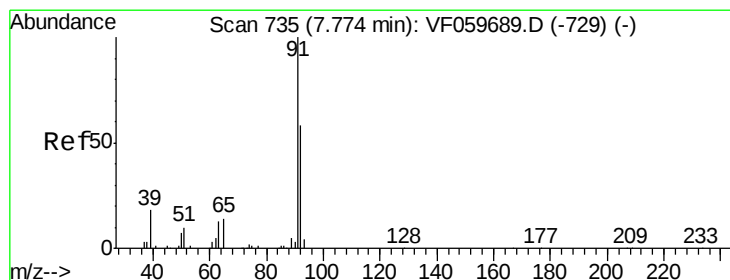
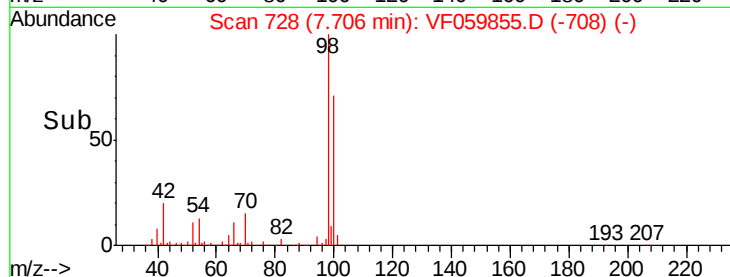
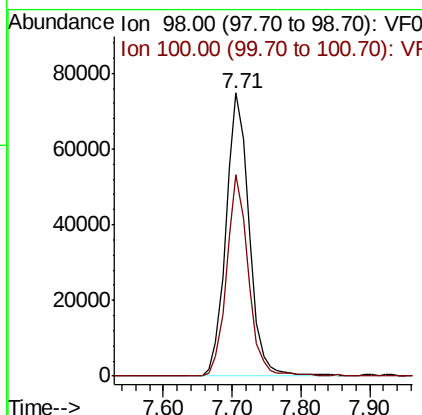
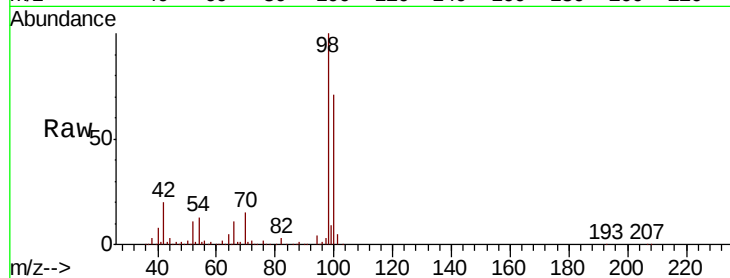




#50
Toluene-d8
Concen: 30.83 ug/l
RT: 7.71 min Scan# 728
Delta R.T. 0.00 min
Lab File: VF059855.D
Acq: 3 Aug 2018 22:46

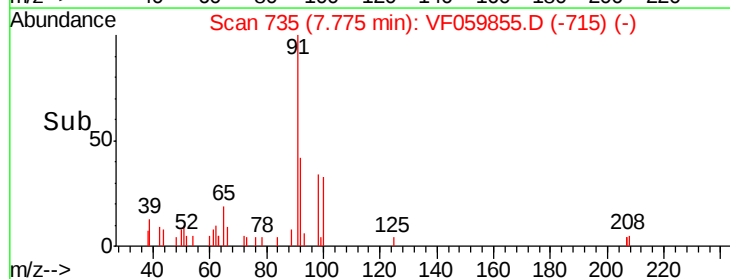
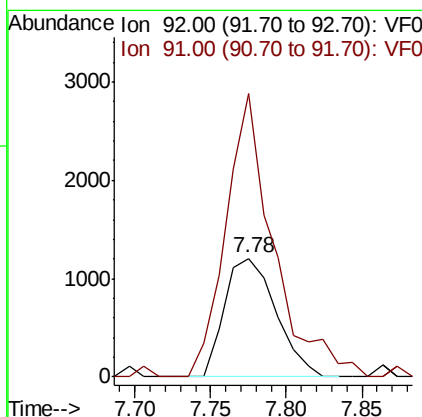
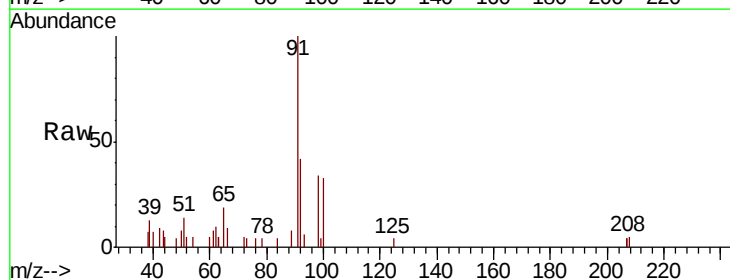
Instrument :
MSVOA_F
ClientSampleId :
KG-PIT-6RE

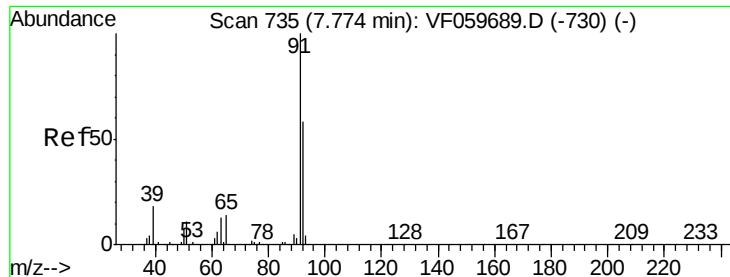
Tot Ion: 98 Resp: 173790
Ion Ratio Lower Upper
98 100
100 71.2 52.8 79.2



#52
Toluene
Concen: Below Cal
RT: 7.78 min Scan# 735
Delta R.T. 0.00 min
Lab File: VF059855.D
Acq: 3 Aug 2018 22:46

Tgt Ion: 92 Resp: 2847
Ion Ratio Lower Upper
92 100
91 238.3 139.0 208.4#

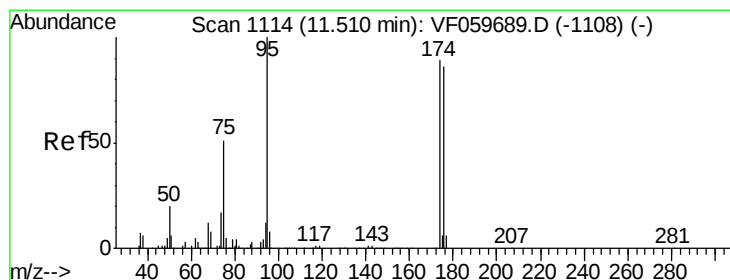
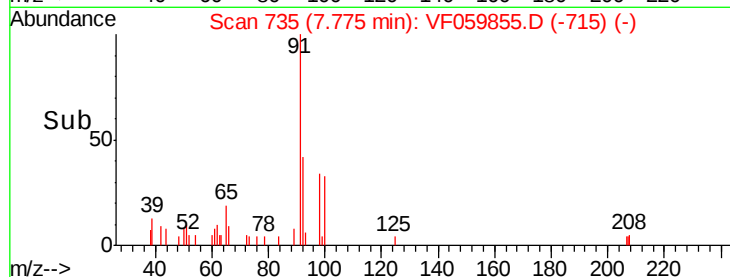
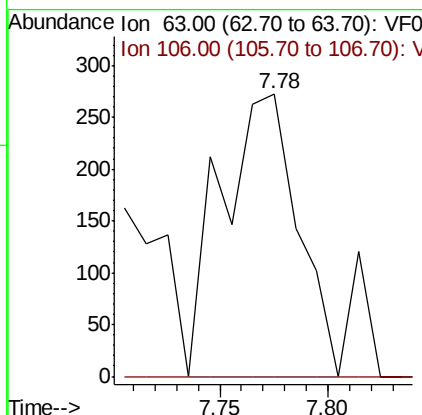
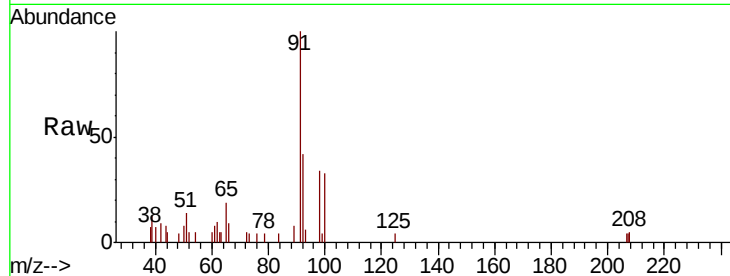




#58
 2-Chloroethyl Vinyl ether
 Concen: 4.40 ug/l
 RT: 7.78 min Scan# 735
 Delta R.T. 0.00 min
 Lab File: VF059855.D
 Acq: 3 Aug 2018 22:46

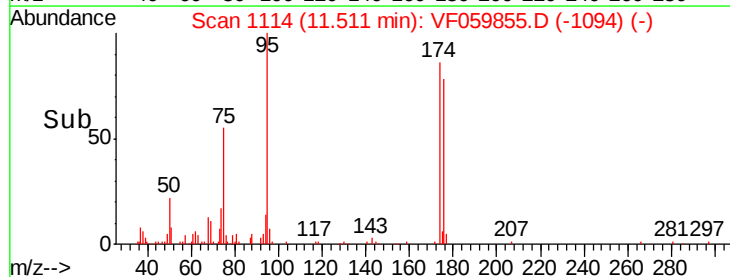
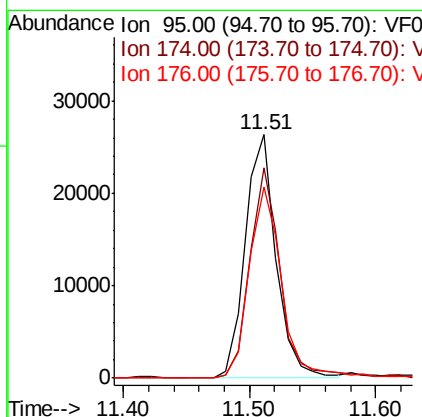
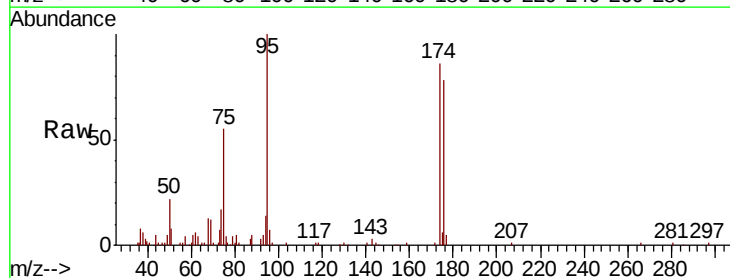
Instrument :
 MSVOA_F
 ClientSampleId :
 KG-PIT-6RE

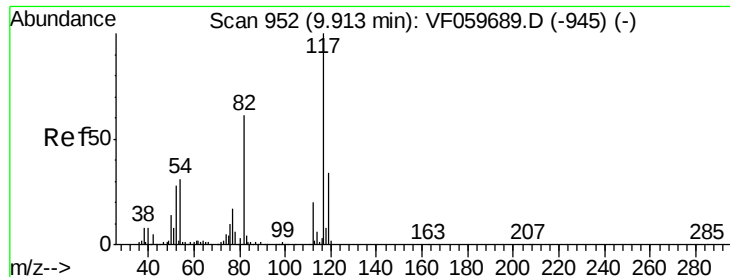
Tot Ion: 63 Resp: 674
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0



#62
 4-Bromofluorobenzene
 Concen: 14.32 ug/l
 RT: 11.51 min Scan# 1114
 Delta R.T. 0.00 min
 Lab File: VF059855.D
 Acq: 3 Aug 2018 22:46

Tgt Ion: 95 Resp: 44690
 Ion Ratio Lower Upper
 95 100
 174 86.2 0.0 178.4
 176 78.4 0.0 173.0

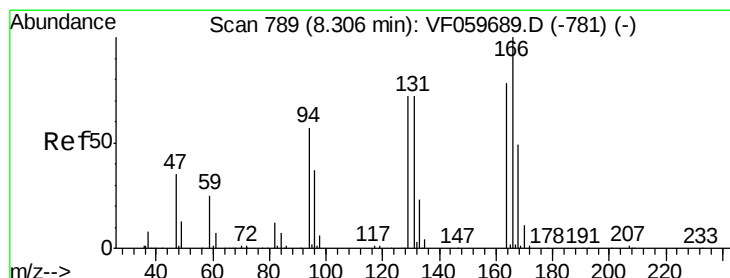
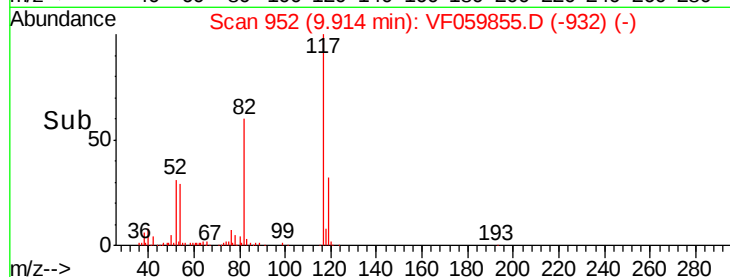
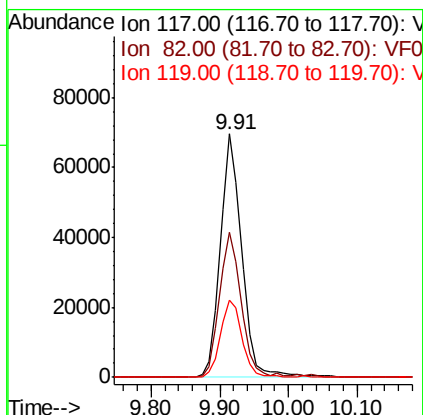
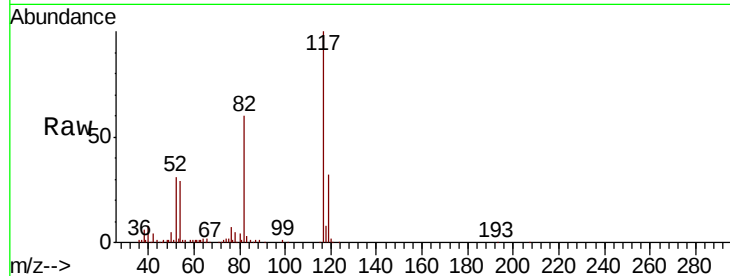




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF059855.D
Acq: 3 Aug 2018 22:46

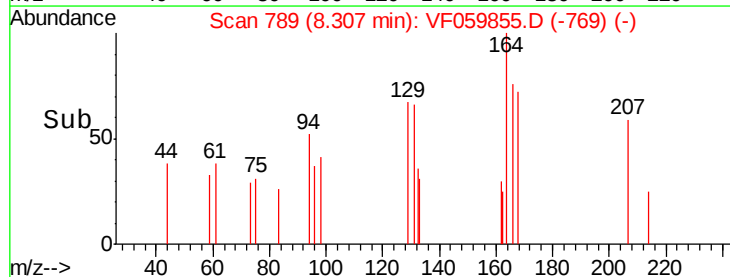
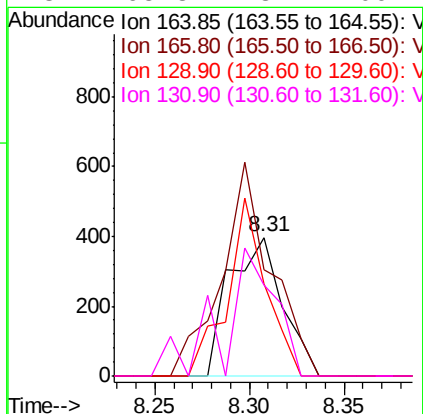
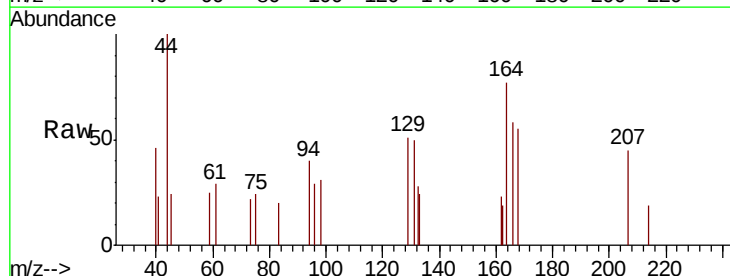
Instrument :
MSVOA_F
ClientSampleId :
KG-PIT-6RE

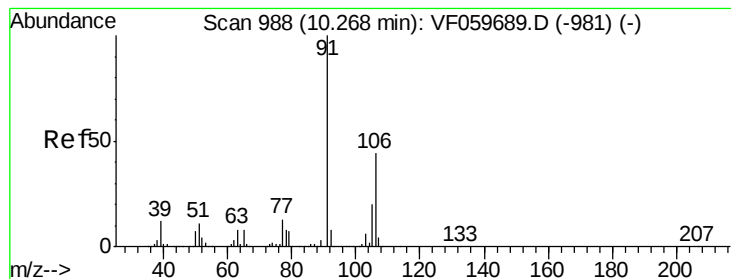
Tot Ion	Ratio	Lower	Upper
117	100		
82	59.6	49.0	73.4
119	31.7	27.3	40.9



#64
Tetrachloroethene
Concen: Below Cal
RT: 8.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VF059855.D
Acq: 3 Aug 2018 22:46

Tgt Ion	Ratio	Lower	Upper
164	100		
166	76.1	102.1	153.1#
129	66.8	73.8	110.6#
131	65.8	73.1	109.7#





#68

m/p-Xvlenes

Concen: Below Cal

RT: 10.27 min Scan# 988

Delta R.T. 0.00 min

Lab File: VF059855.D

Acq: 3 Aug 2018 22:46

Instrument :

MSVOA_F

ClientSampled :

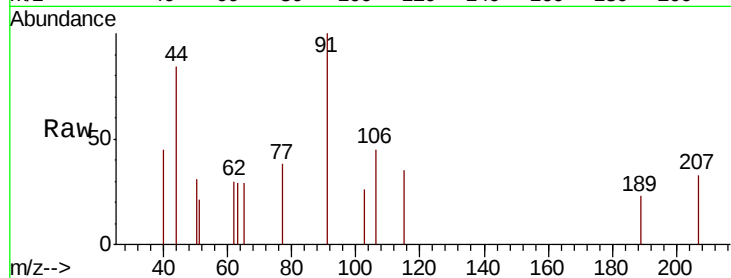
KG-PIT-6RE

Tot Ion:106 Resp: 303

Ion Ratio Lower Upper

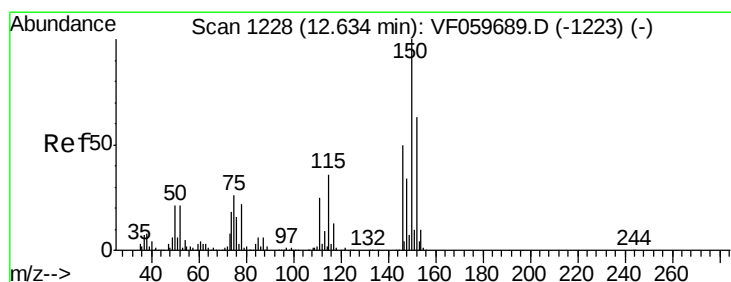
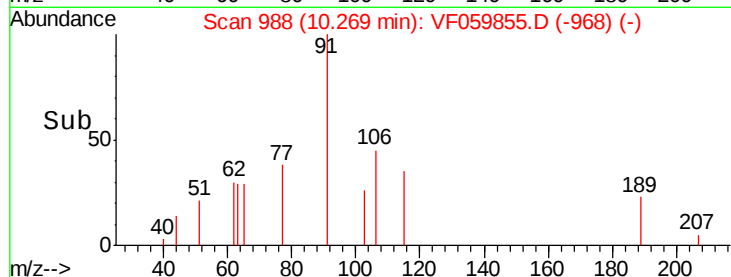
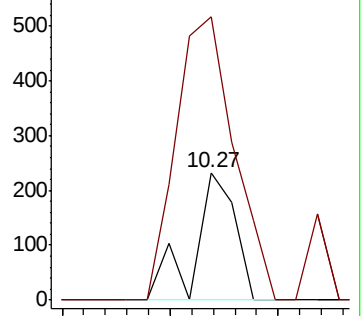
106 100

91 222.8 181.7 272.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.62 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VF059855.D

Acq: 3 Aug 2018 22:46

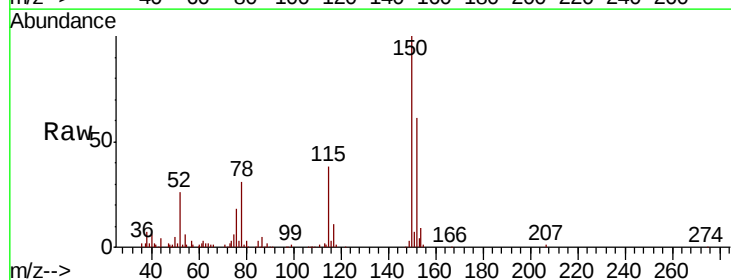
Tgt Ion:152 Resp: 42492

Ion Ratio Lower Upper

152 100

115 62.1 28.2 84.6

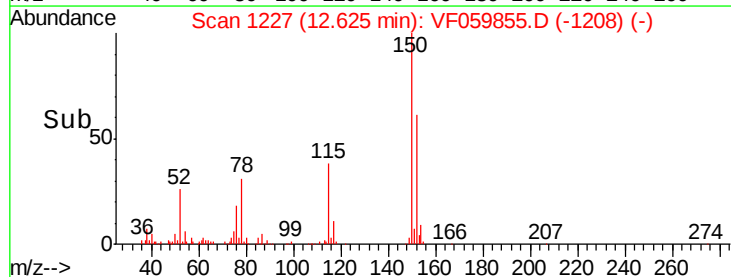
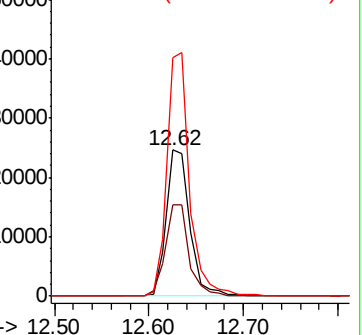
150 163.0 0.0 316.2

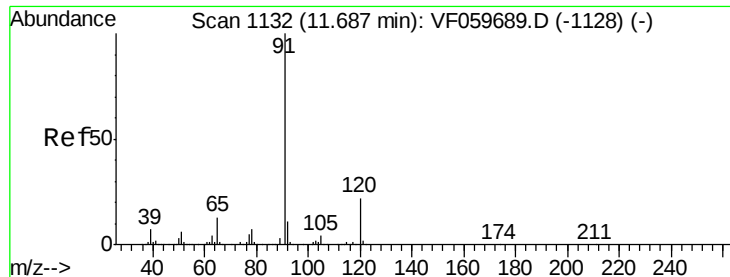


Abundance Ion 152.00 (151.70 to 152.70): V

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: VF059855.D

Acq: 3 Aug 2018 22:46

Instrument :

MSVOA_F

ClientSampled :

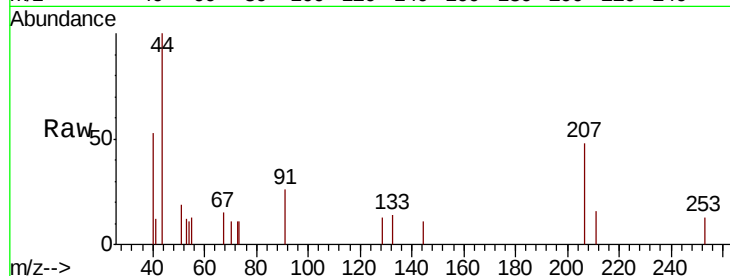
KG-PIT-6RE

Tot Ion: 91 Resp: 327

Ion Ratio Lower Upper

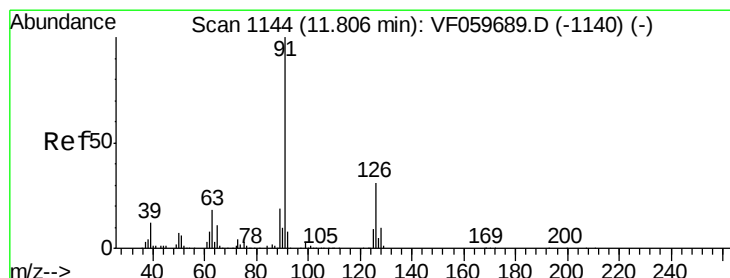
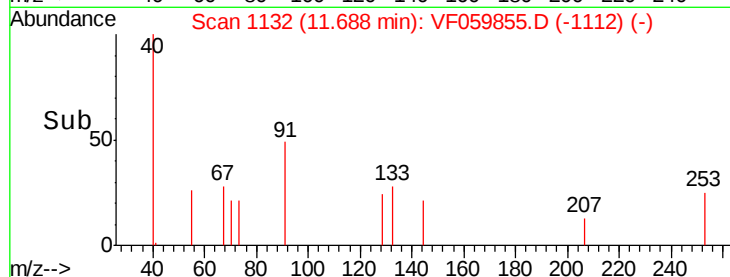
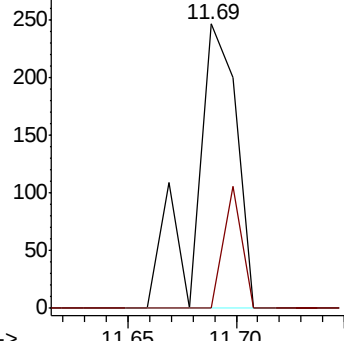
91 100

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: 11.69 min Scan# 1132

Delta R.T. -0.12 min

Lab File: VF059855.D

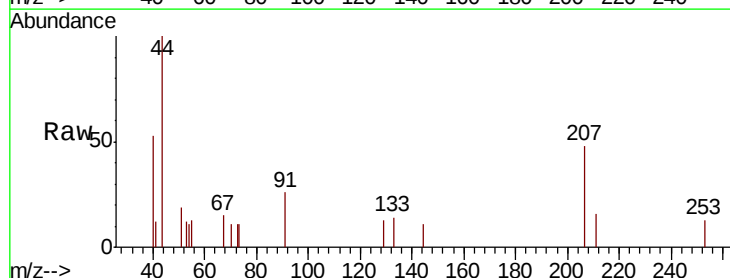
Acq: 3 Aug 2018 22:46

Tgt Ion: 91 Resp: 327

Ion Ratio Lower Upper

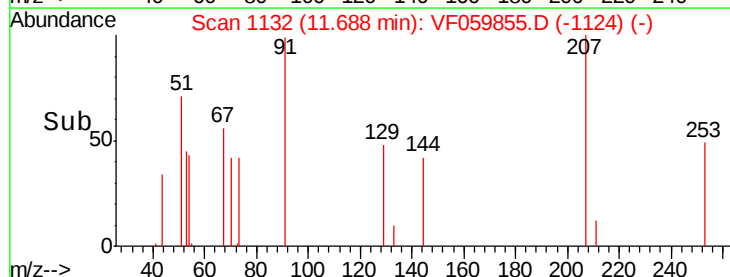
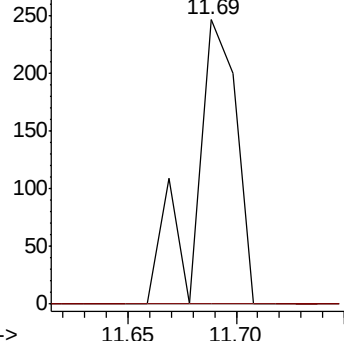
91 100

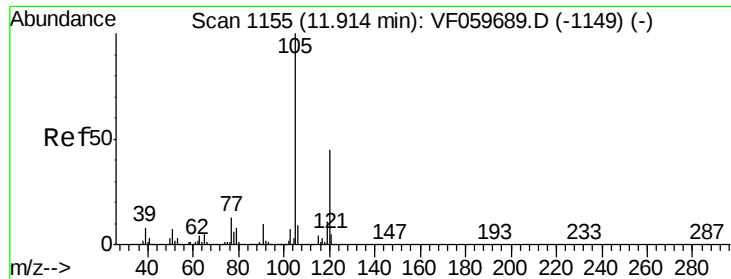
126 0.0 15.4 46.2#



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: VF059855.D

Acq: 3 Aug 2018 22:46

Instrument :

MSVOA_F

ClientSampleId :

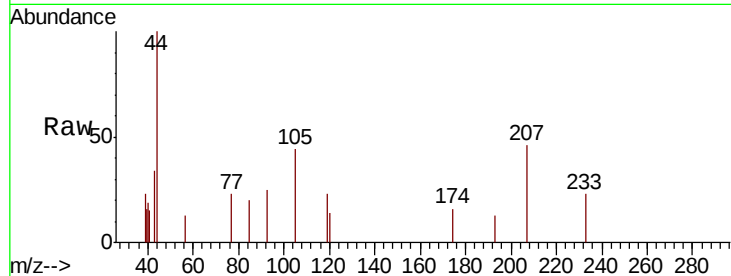
KG-PIT-6RE

Tot Ion: 105 Resp: 348

Ion Ratio Lower Upper

105 100

120 32.3 22.7 68.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.91

300

200

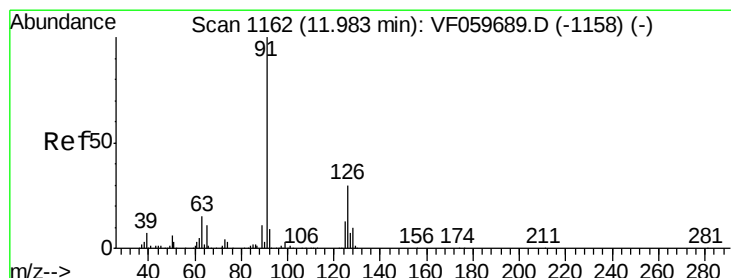
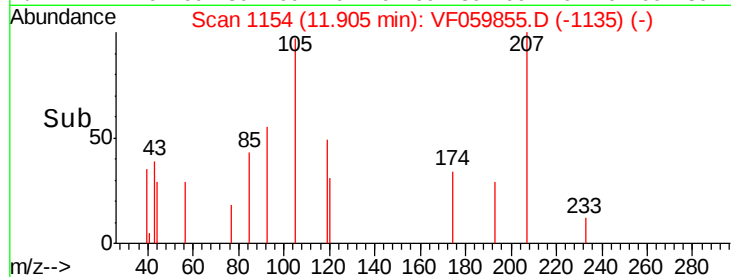
100

0

11.90

11.95

Time-->



#82

4-Chlorotoluene

Concen: Below Cal

RT: 11.98 min Scan# 1162

Delta R.T. 0.00 min

Lab File: VF059855.D

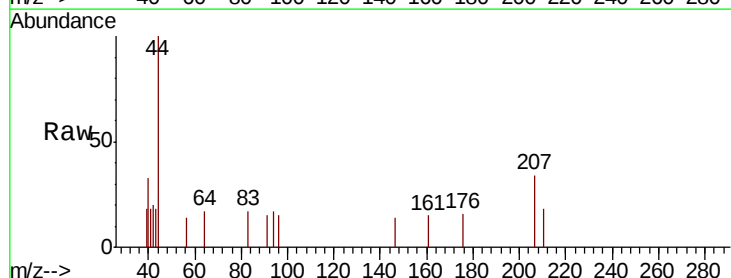
Acq: 3 Aug 2018 22:46

Tgt Ion: 91 Resp: 65

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

11.98

120

100

80

60

40

20

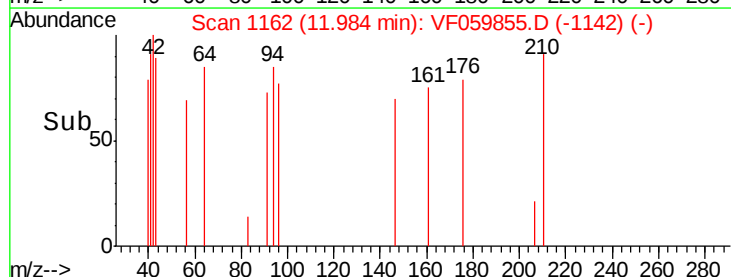
0

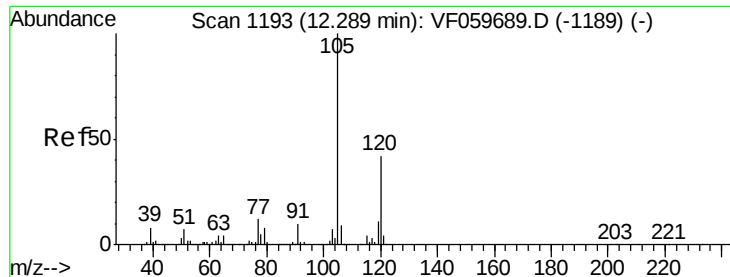
11.96

11.98

12.00

Time-->





#84

1,2,4-Trimethylbenzene

Concen: Below Cal

RT: 12.29 min Scan# 1193

Delta R.T. 0.00 min

Lab File: VF059855.D

Acq: 3 Aug 2018 22:46

Instrument :

MSVOA_F

ClientSampleId :

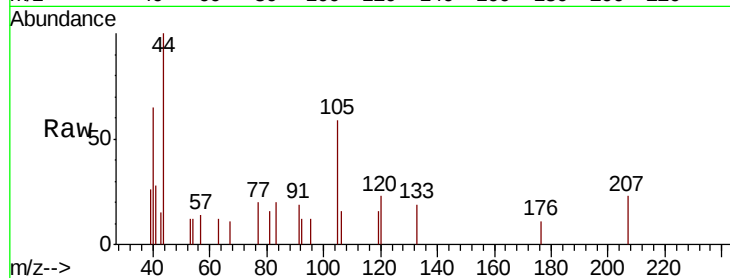
KG-PIT-6RE

Tot Ion:105 Resp: 842

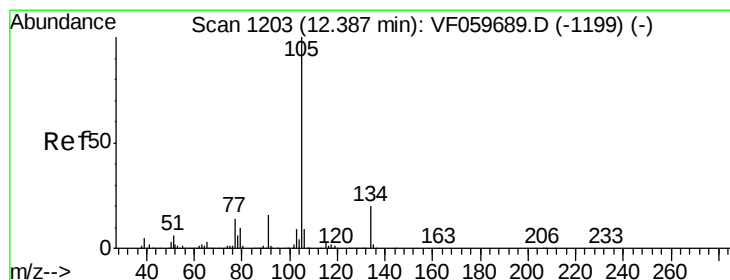
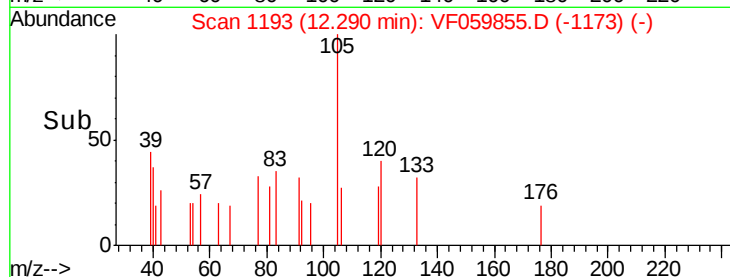
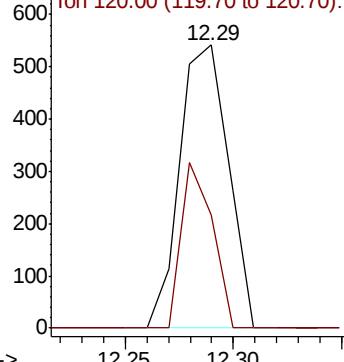
Ion Ratio Lower Upper

105 100

120 39.9 21.1 63.3



Abundance Ion 105.00 (104.70 to 105.70): V



#85

sec-Butylbenzene

Concen: Below Cal

RT: 12.38 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VF059855.D

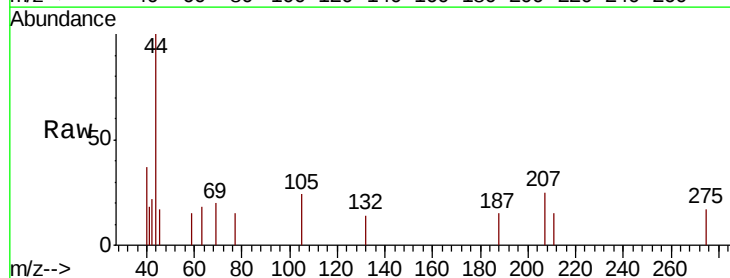
Acq: 3 Aug 2018 22:46

Tgt Ion:105 Resp: 198

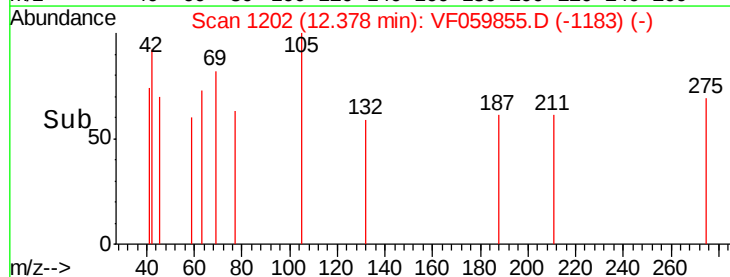
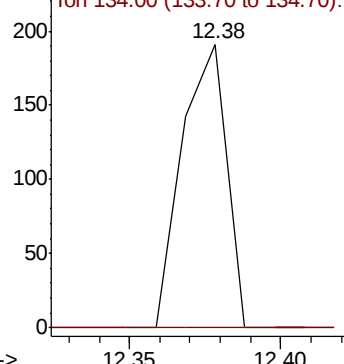
Ion Ratio Lower Upper

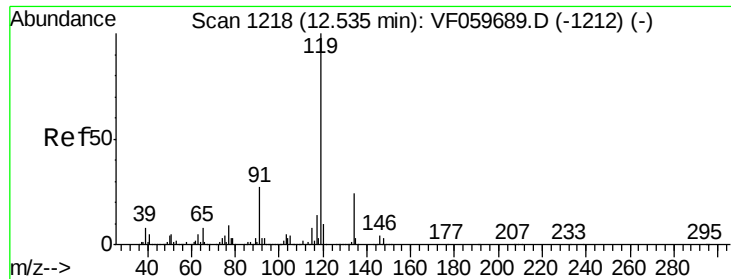
105 100

134 0.0 9.8 29.3#



Abundance Ion 105.00 (104.70 to 105.70): V

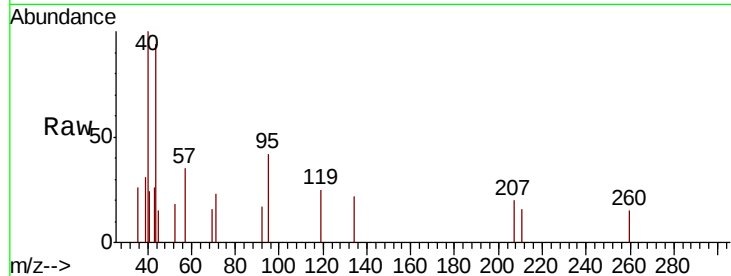




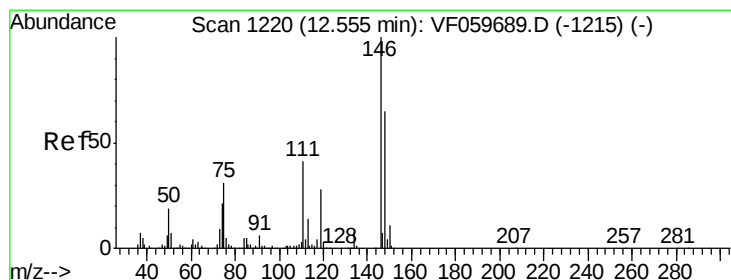
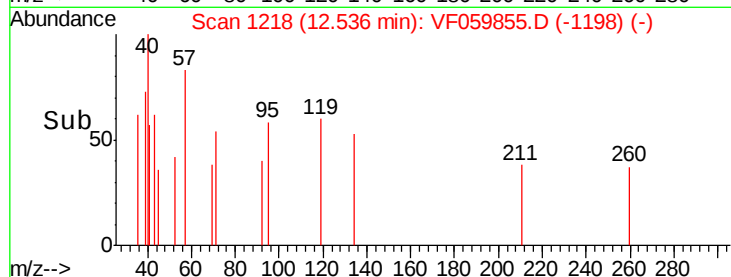
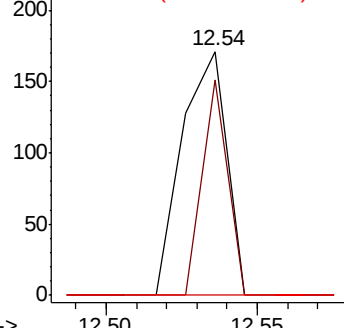
#86
 p-Isopropyltoluene
 Concen: Below Cal
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VF059855.D
 Acq: 3 Aug 2018 22:46

Instrument :
 MSVOA_F
 ClientSampleId :
 KG-PIT-6RE

Tot Ion	Ratio	Lower	Upper
119	100		
134	88.3	12.2	36.6#
91	0.0	13.4	40.2#

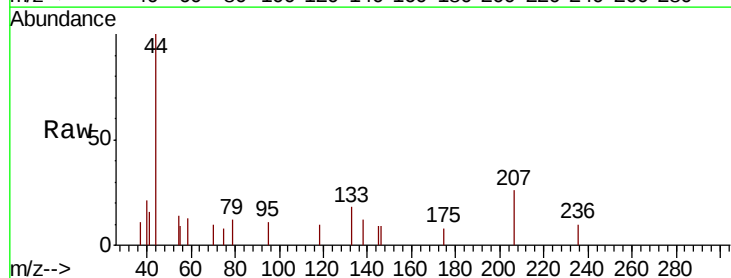


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V

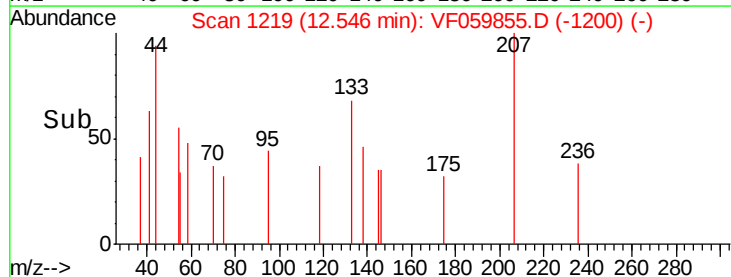
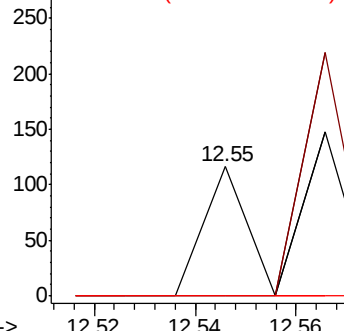


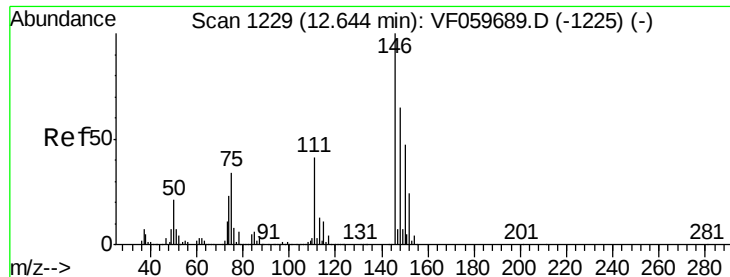
#87
 1,3-Dichlorobenzene
 Concen: Below Cal
 RT: 12.55 min Scan# 1219
 Delta R.T. -0.01 min
 Lab File: VF059855.D
 Acq: 3 Aug 2018 22:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	0.0	20.7	62.1#
148	0.0	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: 12.61 min Scan# 1226

Delta R.T. -0.03 min

Lab File: VF059855.D

Acq: 3 Aug 2018 22:46

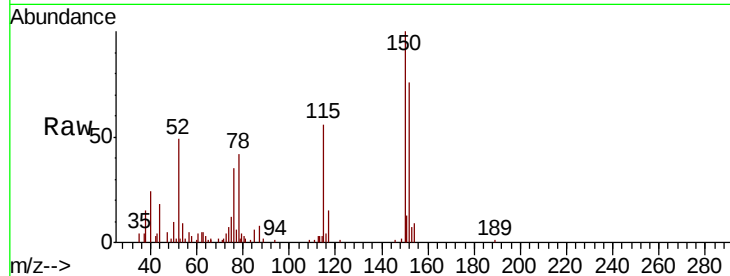
Instrument :

MSVOA_F

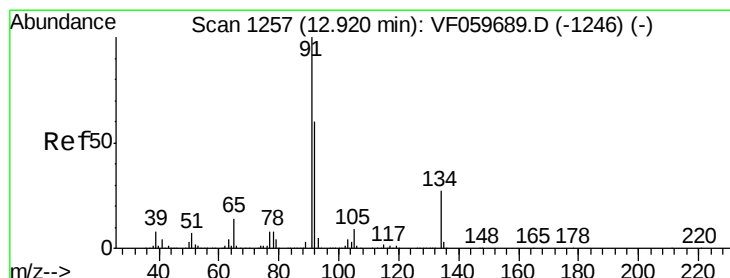
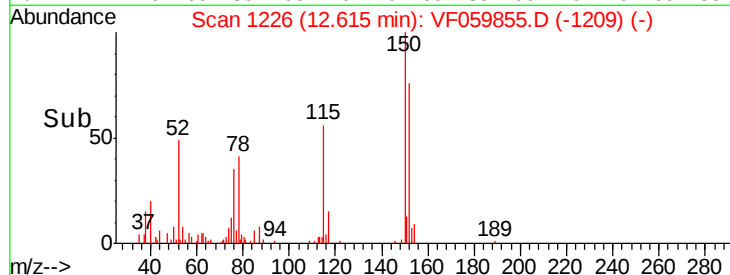
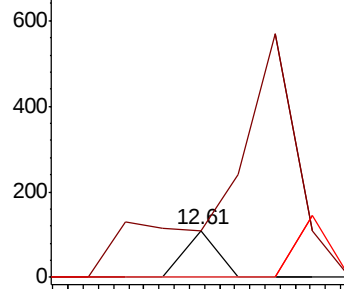
ClientSampleId :

KG-PIT-6RE

Tot Ion:	146	Resp:	65
Ion	Ratio	Lower	Upper
146	100		
111	100.0	20.8	62.2#
148	0.0	32.3	96.9#



Abundance Ion 146.00 (145.70 to 146.70): V



#89

n-Butylbenzene

Concen: Below Cal

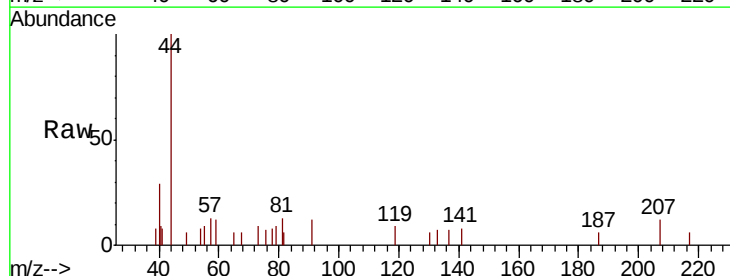
RT: 12.91 min Scan# 1256

Delta R.T. -0.01 min

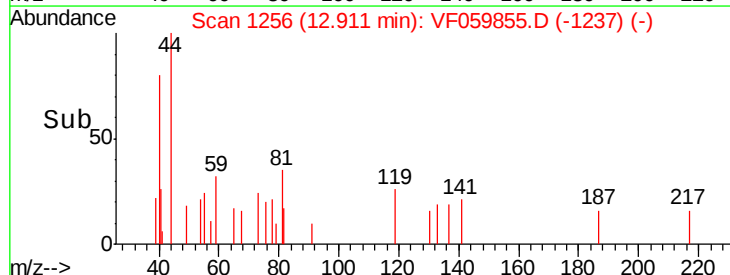
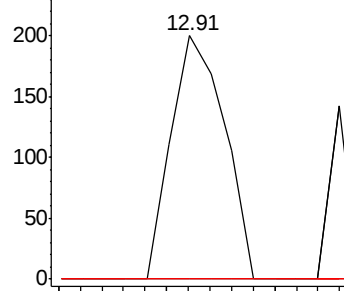
Lab File: VF059855.D

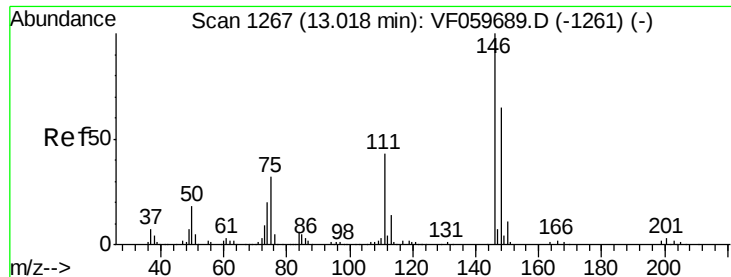
Acq: 3 Aug 2018 22:46

Tgt Ion:	91	Resp:	346
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





#91

1,2-Dichlorobenzene

Concen: Below Cal

RT: 13.01 min Scan# 1266

Delta R.T. -0.01 min

Lab File: VF059855.D

Acq: 3 Aug 2018 22:46

Instrument :

MSVOA_F

ClientSampleId :

KG-PIT-6RE

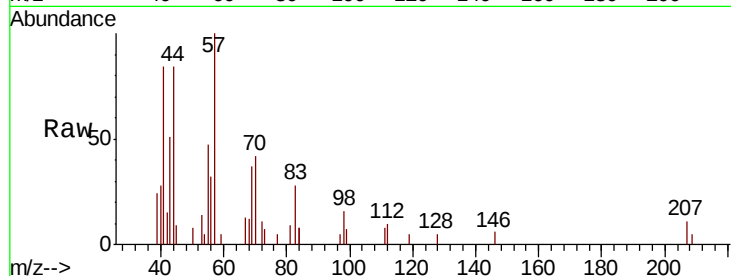
Tot Ion:146 Resp: 72

Ion Ratio Lower Upper

146 100

111 132.8 21.6 65.0#

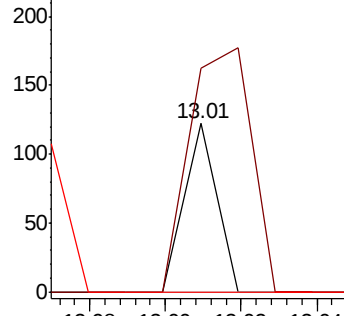
148 0.0 32.3 96.9#



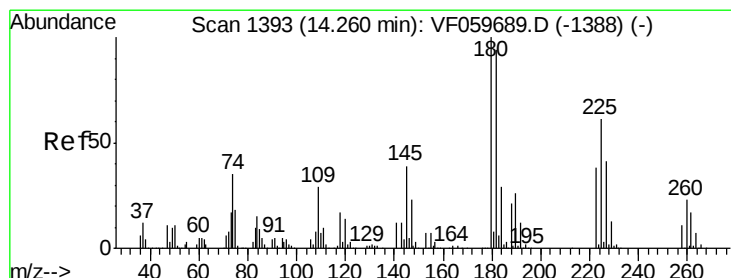
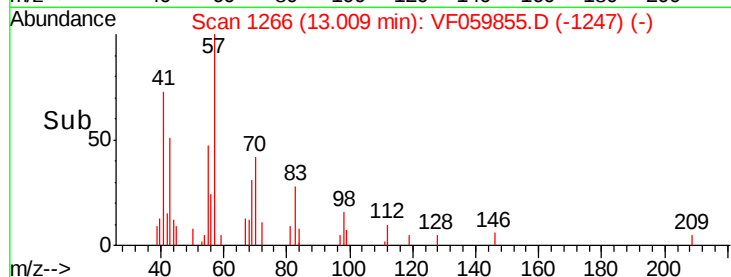
Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



Time-->



#93

1,2,4-Trichlorobenzene

Concen: Below Cal

RT: 14.39 min Scan# 1406

Delta R.T. 0.13 min

Lab File: VF059855.D

Acq: 3 Aug 2018 22:46

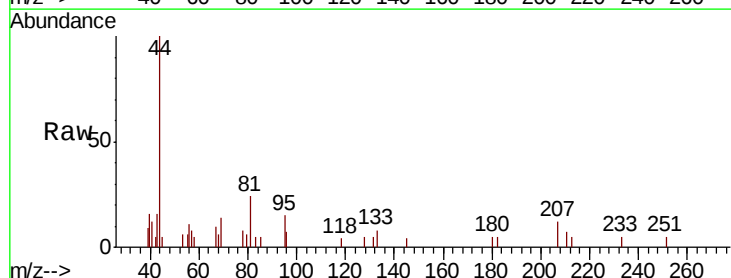
Tgt Ion:180 Resp: 66

Ion Ratio Lower Upper

180 100

182 102.7 47.2 141.6

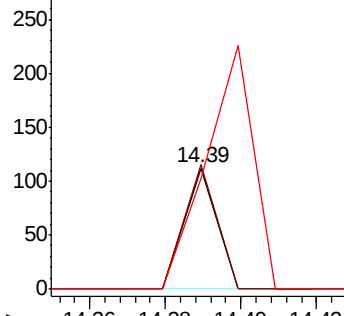
145 91.1 19.3 57.9#



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



Time-->

