

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080218\
 Data File : VF059809.D
 Acq On : 2 Aug 2018 19:12
 Operator : VA/AP
 Sample : J3826-05RE
 Misc : 6.07g/5mL/MSVOA F/SOIL
 ALS Vial : 89 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 OK-03-073118

Quant Time: Aug 03 07:05:43 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	5.02	168	211180	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	298920	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	263753	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	133030	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	178926	47.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.28%	
35) Dibromofluoromethane	4.28	113	142078	45.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.52%	
50) Toluene-d8	7.70	98	242269	33.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	66.92%	
62) 4-Bromofluorobenzene	11.50	95	119629	29.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	59.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	108	Below Cal	#	44
3) Chloromethane	1.10	50	649	Below Cal	#	38
4) Vinyl Chloride	1.23	62	86	Below Cal	#	47
5) Bromomethane	1.36	94	785	Below Cal	#	4
6) Chloroethane	1.41	64	64	Below Cal	#	1
10) Methyl Iodide	1.95	142	63	Below Cal	#	20
11) Tert butyl alcohol	2.72	59	649	2.798	ug/l #	1
13) Acrolein	2.05	56	422	20.991	ug/l	95
16) Acetone	2.32	43	1042	1.526	ug/l	94
17) Carbon Disulfide	1.87	76	185	Below Cal	#	1
18) Methyl Acetate	2.43	43	925	Below Cal	#	64
20) Methylene Chloride	2.27	84	1530	Below Cal		91
21) trans-1,2-Dichloroethene	2.40	96	84	Below Cal	#	1
28) Bromochloromethane	3.93	49	68	Below Cal	#	15
31) Cyclohexane	3.87	56	73	Below Cal	#	15
36) 1,1-Dichloropropene	4.45	75	101	Below Cal	#	46
37) Ethyl Acetate	4.29	43	216	Below Cal	#	19
39) Methylcyclohexane	5.74	83	4929	Below Cal	#	30
41) Methacrylonitrile	4.93	41	141	Below Cal	#	40
44) Trichloroethene	5.61	130	64	Below Cal		2
49) 1,4-Dioxane	6.84	88	72	Below Cal	#	25
52) Toluene	7.77	92	304	Below Cal	#	7
64) Tetrachloroethene	8.31	164	66	Below Cal	#	1
78) n-propylbenzene	11.67	91	294	Below Cal	#	54
79) 2-Chlorotoluene	11.81	91	294	Below Cal		86
80) 1,3,5-Trimethylbenzene	11.91	105	495	Below Cal	#	31
82) 4-Chlorotoluene	11.98	91	280	Below Cal	#	44
84) 1,2,4-Trimethylbenzene	12.28	105	238	Below Cal		89
85) sec-Butylbenzene	12.37	105	180	Below Cal	#	57
86) p-Isopropyltoluene	12.54	119	185	Below Cal	#	49
87) 1,3-Dichlorobenzene	12.55	146	312	Below Cal	#	24
88) 1,4-Dichlorobenzene	12.63	146	275	Below Cal	#	1
89) n-Butylbenzene	12.91	91	324	Below Cal	#	36
91) 1,2-Dichlorobenzene	13.02	146	212	Below Cal	#	24

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

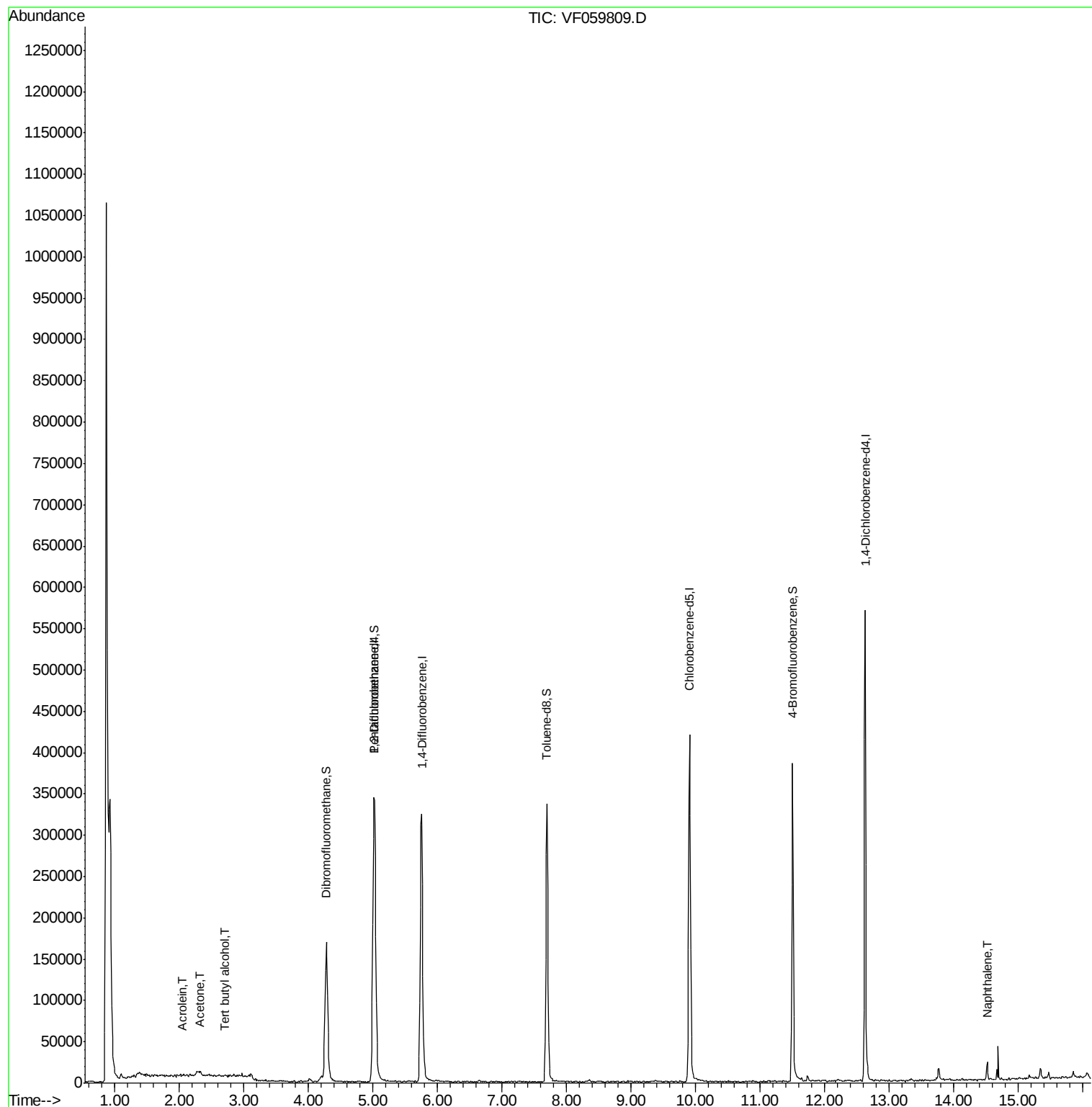
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	88	Below Cal	# 77
95) Naphthalene	14.52	128	13306	2.320 ug/l	# 92

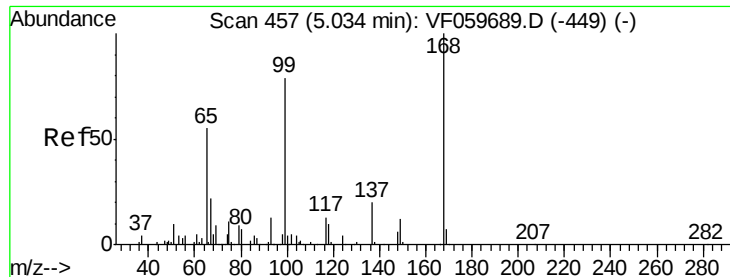
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.02 min Scan# 456

Delta R.T. -0.01 min

Lab File: VF059809.D

Acq: 2 Aug 2018 19:12

Instrument :

MSVOA_F

ClientSampleId :

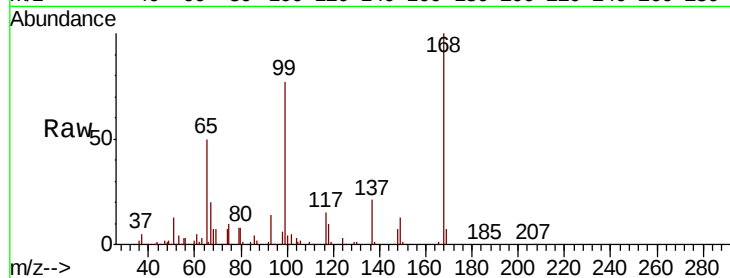
OK-03-073118

Tot Ion:168 Resp: 211180

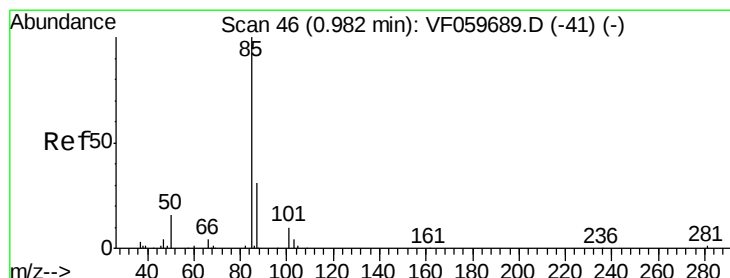
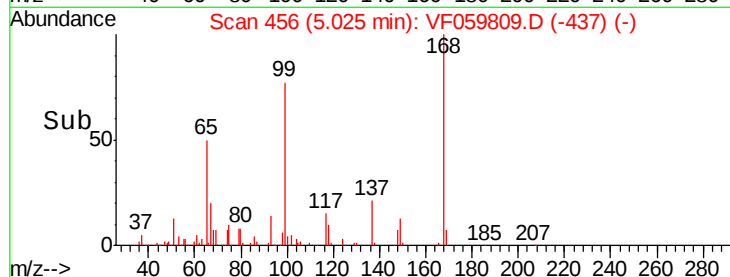
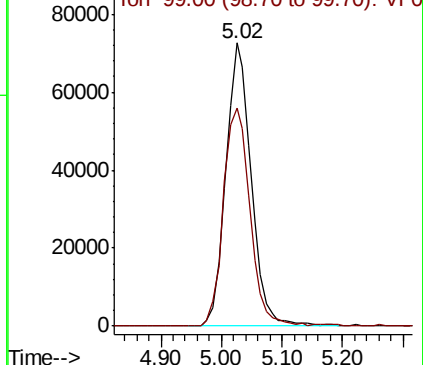
Ion Ratio Lower Upper

168 100

99 76.8 63.3 94.9



Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 0.99 min Scan# 47

Delta R.T. 0.01 min

Lab File: VF059809.D

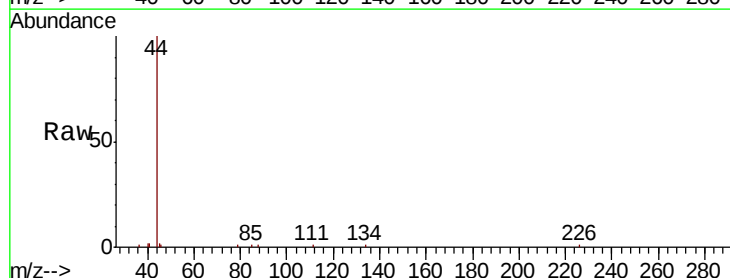
Acq: 2 Aug 2018 19:12

Tgt Ion: 85 Resp: 108

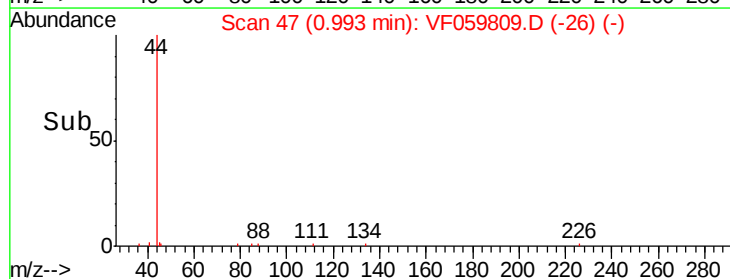
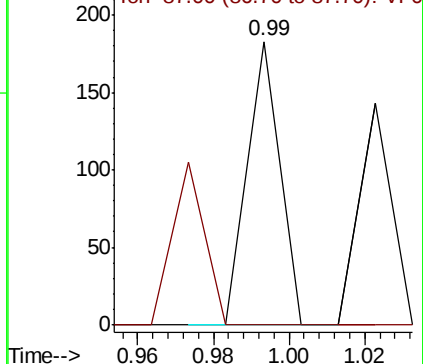
Ion Ratio Lower Upper

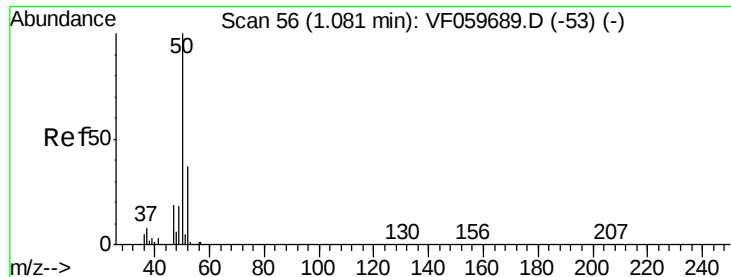
85 100

87 0.0 15.3 45.8#



Abundance Ion 85.00 (84.70 to 85.70): VF0





#3

Chloromethane

Concen: Below Cal

RT: 1.10 min Scan# 58

Delta R.T. 0.02 min

Lab File: VF059809.D

Acq: 2 Aug 2018 19:12

Instrument :

MSVOA_F

ClientSampleId :

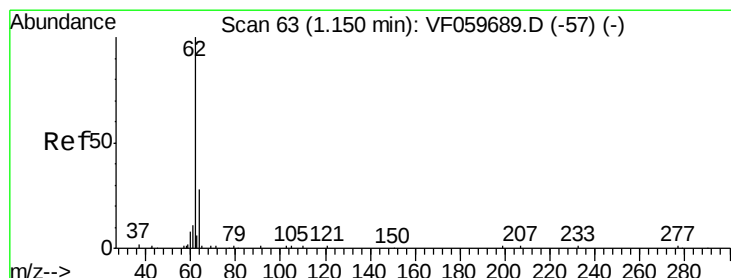
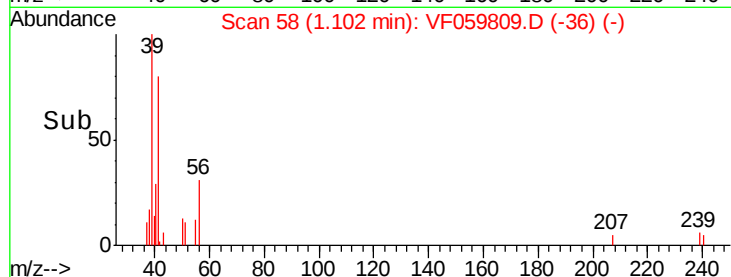
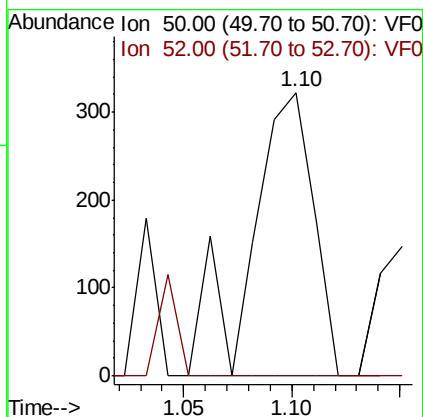
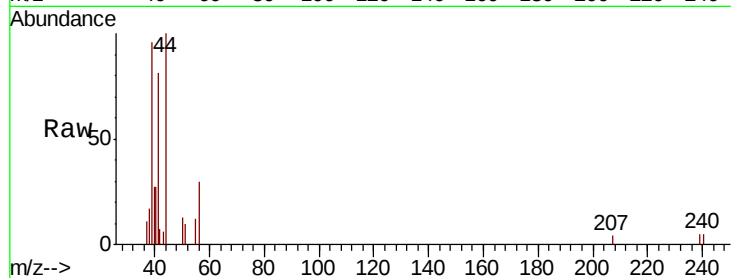
OK-03-073118

Tot Ion: 50 Resp: 649

Ion Ratio Lower Upper

50 100

52 0.0 29.1 43.7#



#4

Vinyl Chloride

Concen: Below Cal

RT: 1.23 min Scan# 71

Delta R.T. 0.08 min

Lab File: VF059809.D

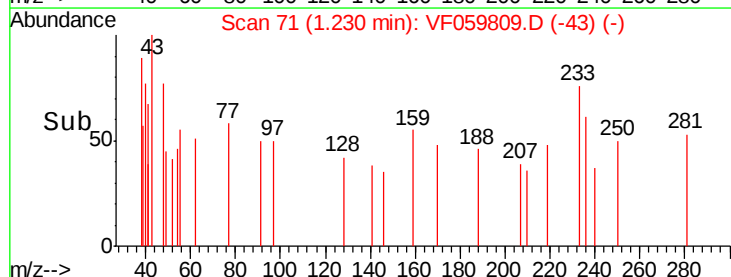
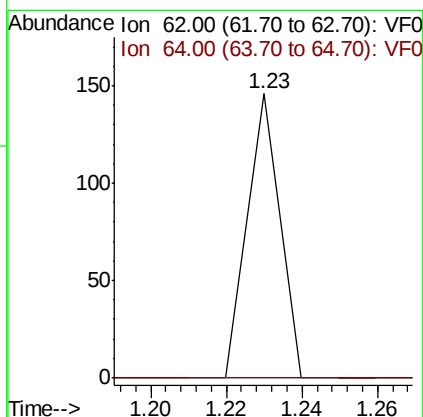
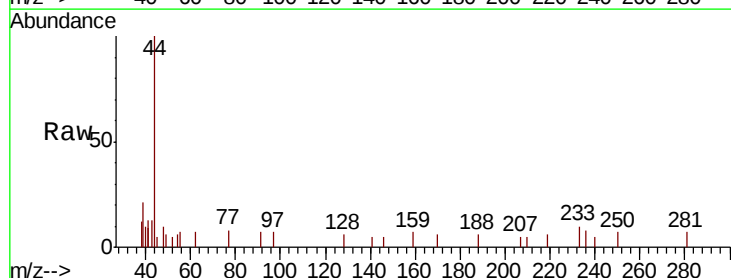
Acq: 2 Aug 2018 19:12

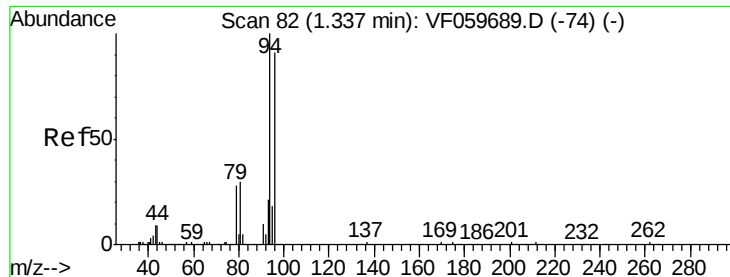
Tgt Ion: 62 Resp: 86

Ion Ratio Lower Upper

62 100

64 0.0 22.6 33.8#





#5

Bromomethane

Concen: Below Cal

RT: 1.36 min Scan# 84

Delta R.T. 0.02 min

Lab File: VF059809.D

Acq: 2 Aug 2018 19:12

Instrument :

MSVOA_F

ClientSampleId :

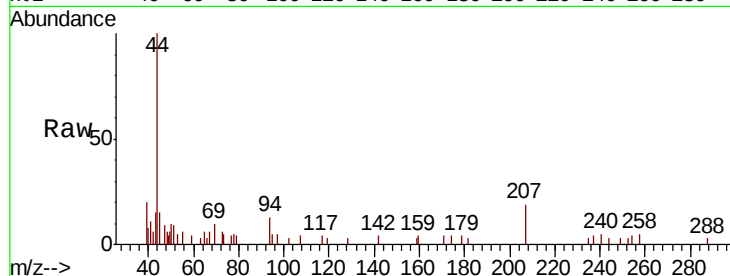
OK-03-073118

Tot Ion: 94 Resp: 785

Ion Ratio Lower Upper

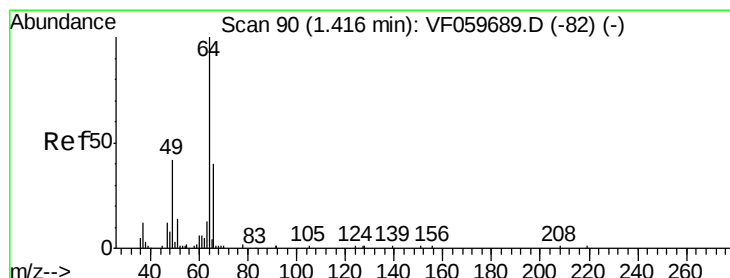
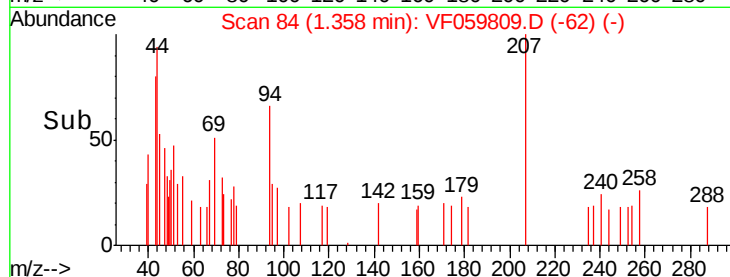
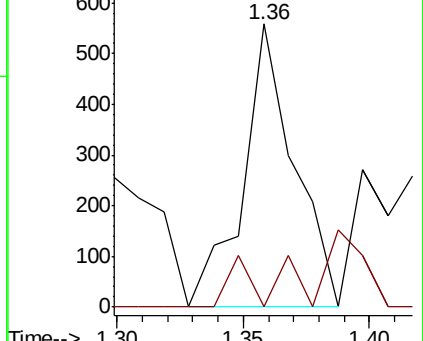
94 100

96 0.0 73.6 110.4#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: Below Cal

RT: 1.41 min Scan# 89

Delta R.T. -0.01 min

Lab File: VF059809.D

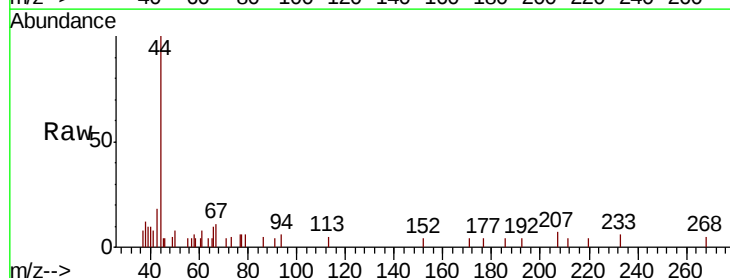
Acq: 2 Aug 2018 19:12

Tgt Ion: 64 Resp: 64

Ion Ratio Lower Upper

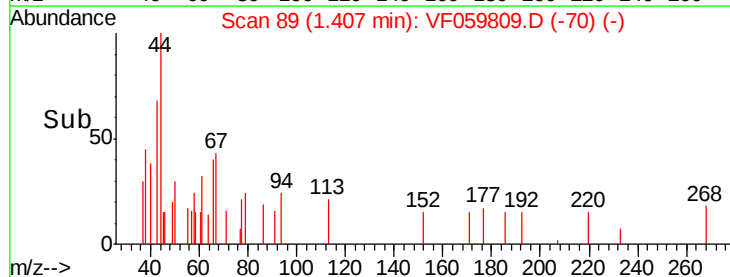
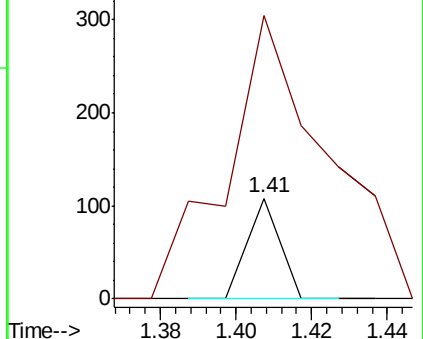
64 100

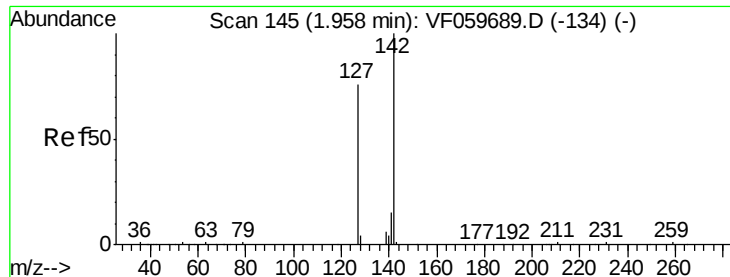
66 281.5 32.6 49.0#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0

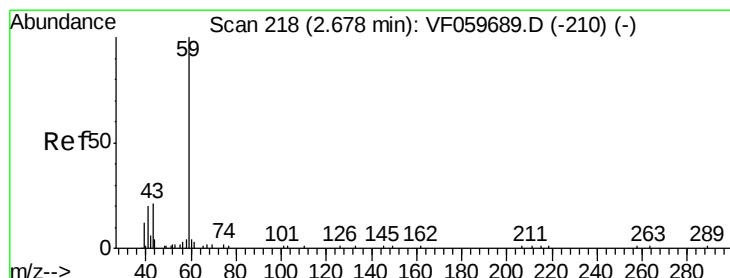
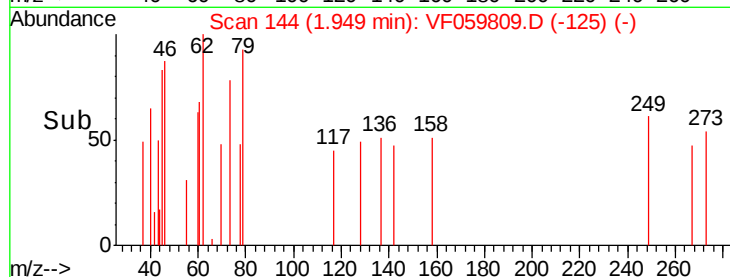
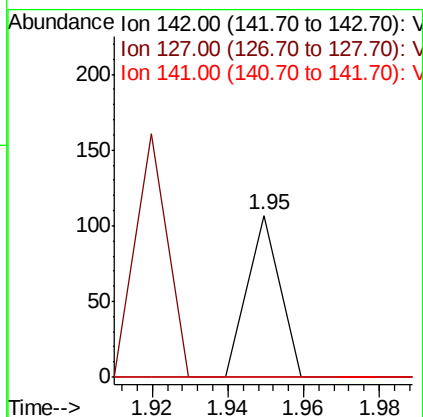
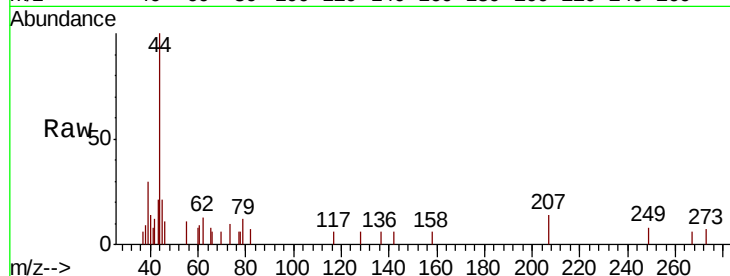




#10
Methvl Iodide
Concen: Below Cal
RT: 1.95 min Scan# 144
Delta R.T. -0.01 min
Lab File: VF059809.D
Acq: 2 Aug 2018 19:12

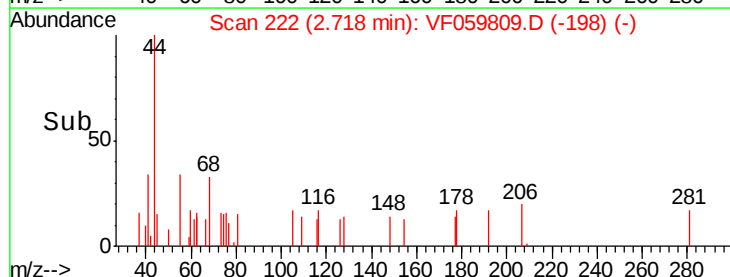
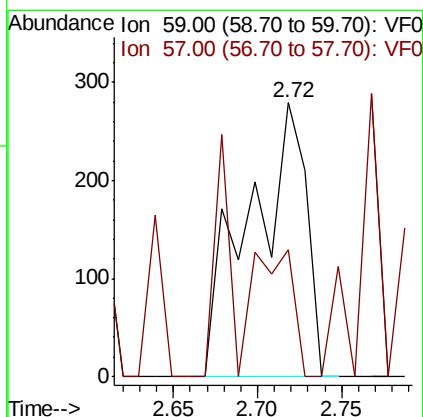
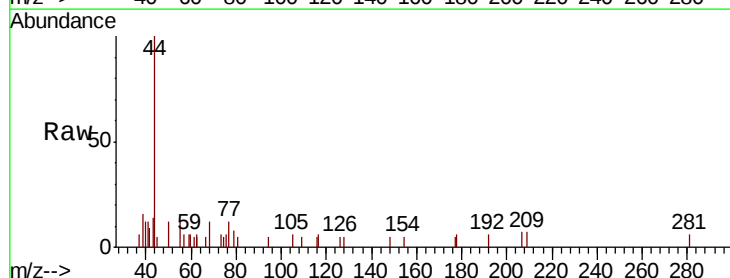
Instrument :
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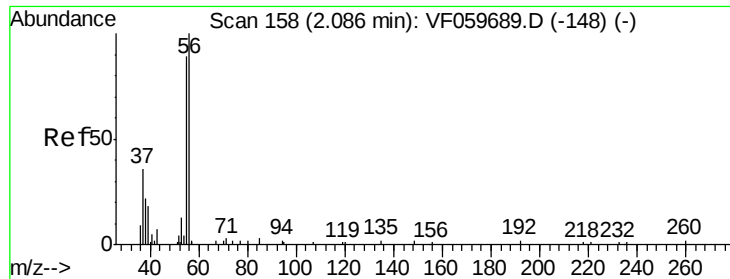
Tot Ion:142 Resp: 63
Ion Ratio Lower Upper
142 100
127 0.0 60.6 91.0#
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: 2.798 ug/l
RT: 2.72 min Scan# 222
Delta R.T. 0.04 min
Lab File: VF059809.D
Acq: 2 Aug 2018 19:12

Tgt Ion: 59 Resp: 649
Ion Ratio Lower Upper
59 100
57 46.2 7.6 11.4#





#13

Acrolein

Concen: 20.991 ug/l

RT: 2.05 min Scan# 154

Delta R.T. -0.04 min

Lab File: VF059809.D

Acq: 2 Aug 2018 19:12

Instrument :

MSVOA_F

ClientSampleId :

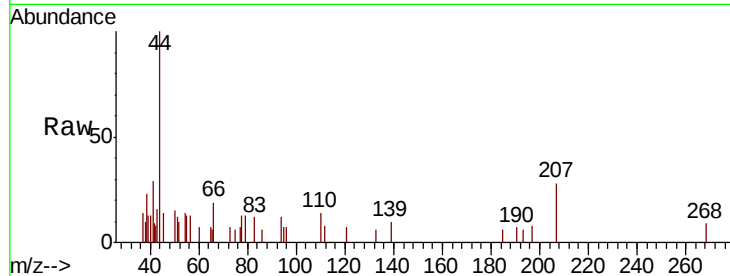
OK-03-073118

Tot Ion: 56 Resp: 422

Ion Ratio Lower Upper

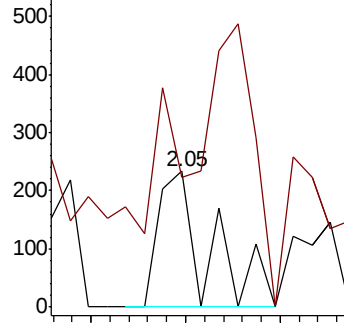
56 100

55 96.1 73.2 109.8

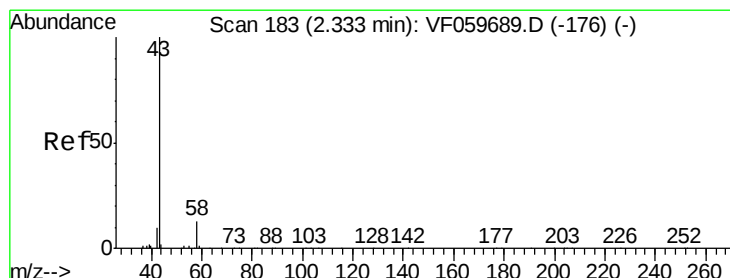
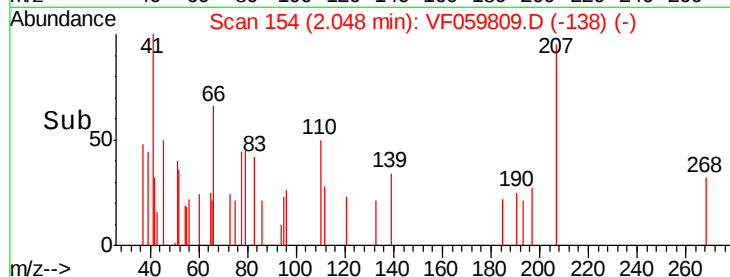


Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



Time-->



#16

Acetone

Concen: 1.526 ug/l

RT: 2.32 min Scan# 182

Delta R.T. -0.01 min

Lab File: VF059809.D

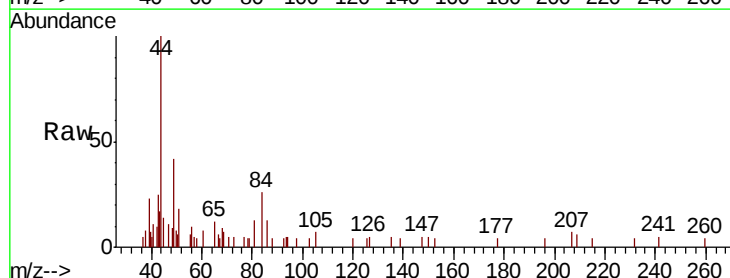
Acq: 2 Aug 2018 19:12

Tgt Ion: 43 Resp: 1042

Ion Ratio Lower Upper

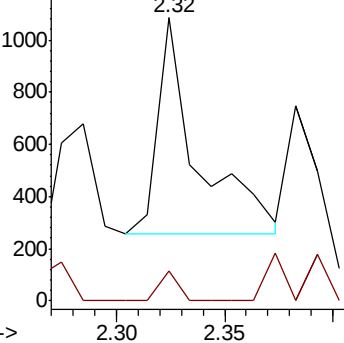
43 100

58 10.3 10.1 15.1

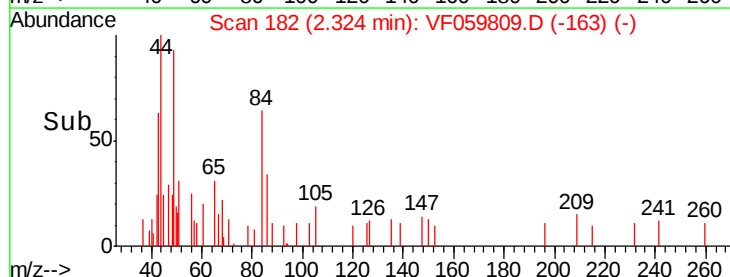


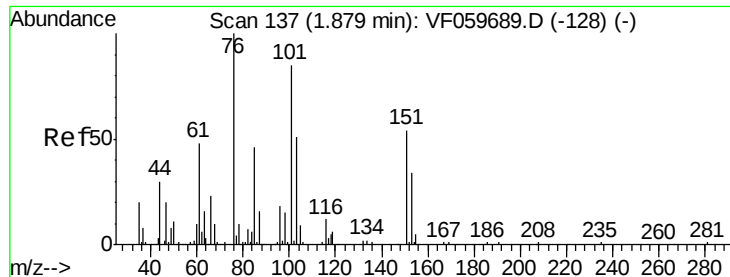
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



Time-->

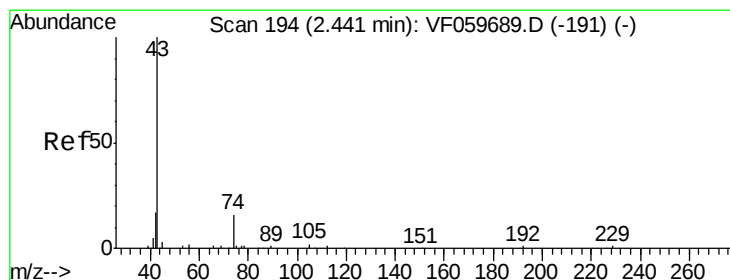
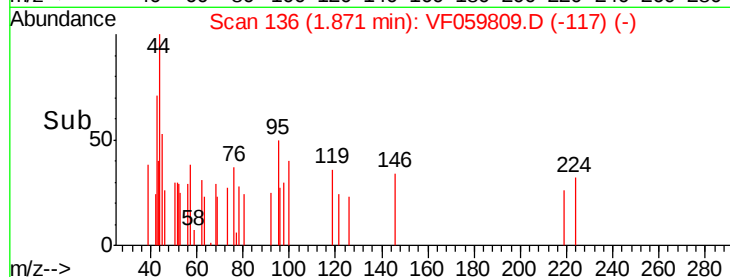
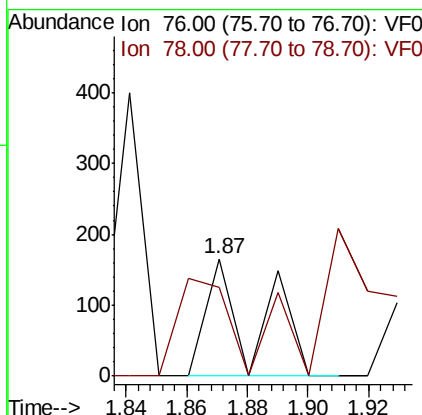
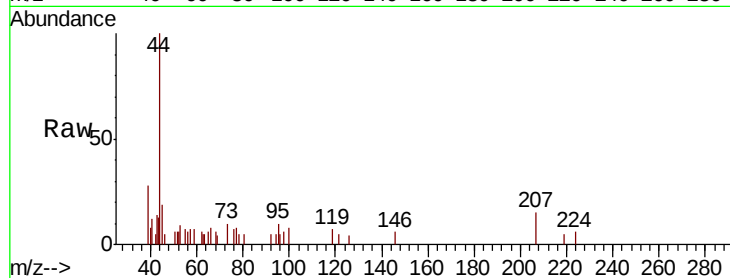




#17
Carbon Disulfide
Concen: Below Cal
RT: 1.87 min Scan# 136
Delta R.T. -0.01 min
Lab File: VF059809.D
Acq: 2 Aug 2018 19:12

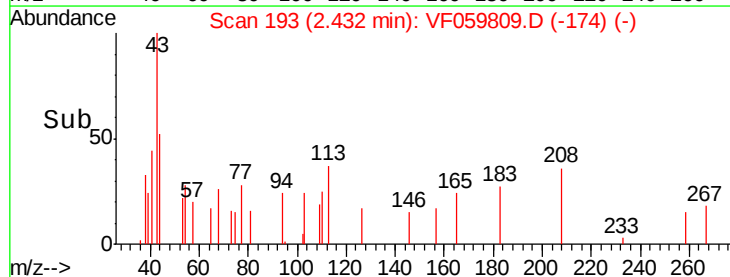
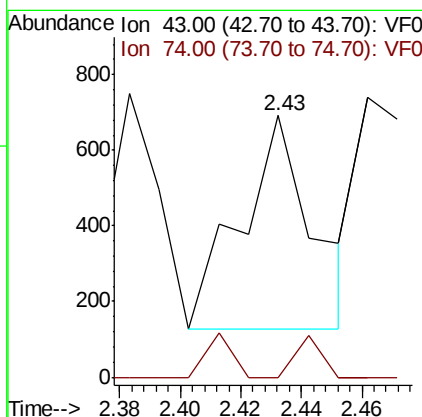
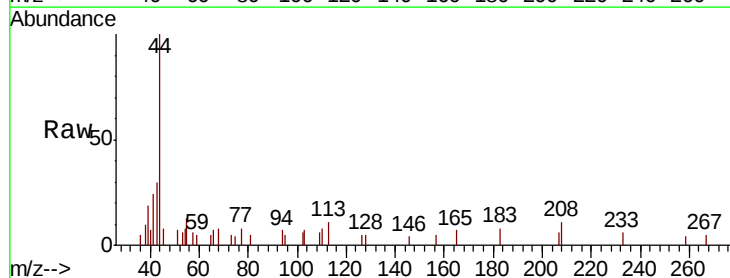
Instrument :
MSVOA_F
ClientSampleId :
OK-03-073118

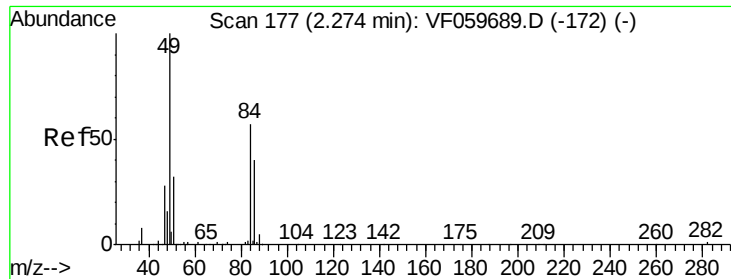
Tot Ion: 76 Resp: 185
Ion Ratio Lower Upper
76 100
78 76.4 8.9 13.3#



#18
Methyl Acetate
Concen: Below Cal
RT: 2.43 min Scan# 193
Delta R.T. -0.01 min
Lab File: VF059809.D
Acq: 2 Aug 2018 19:12

Tgt Ion: 43 Resp: 925
Ion Ratio Lower Upper
43 100
74 0.0 11.8 17.6#

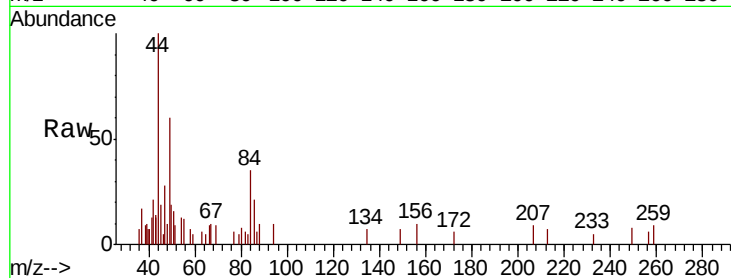




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.27 min Scan# 177
Delta R.T. 0.00 min
Lab File: VF059809.D
Acq: 2 Aug 2018 19:12

Instrument :
MSVOA_F
ClientSampleId :
OK-03-073118

Tot Ion:	84	Resp:	1530
Ion	Ratio	Lower	Upper
84	100		
49	169.9	142.2	213.4
51	69.2	46.2	69.2
86	60.3	57.1	85.7



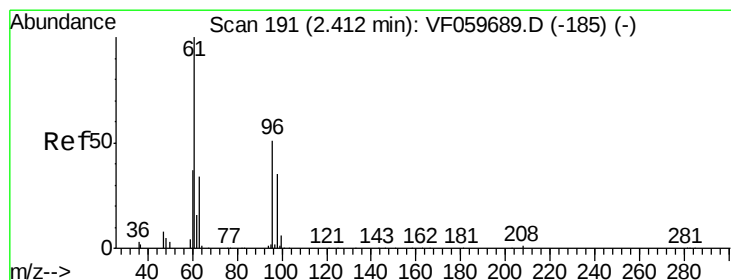
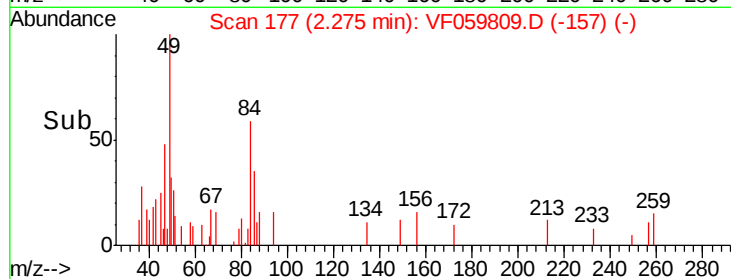
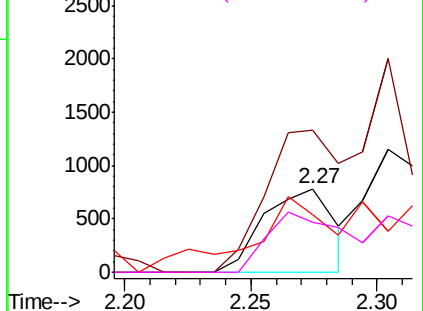
Abundance

Ion 84.00 (83.70 to 84.70): VF0

Ion 49.00 (48.70 to 49.70): VF0

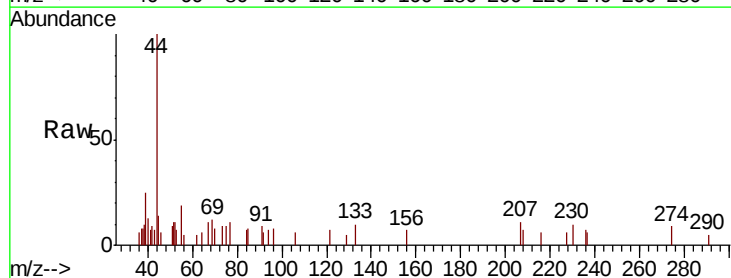
Ion 51.00 (50.70 to 51.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 2.40 min Scan# 190
Delta R.T. -0.01 min
Lab File: VF059809.D
Acq: 2 Aug 2018 19:12

Tgt Ion:	96	Resp:	84
Ion	Ratio	Lower	Upper
96	100		
61	0.0	157.4	236.0#
98	0.0	55.0	82.4#

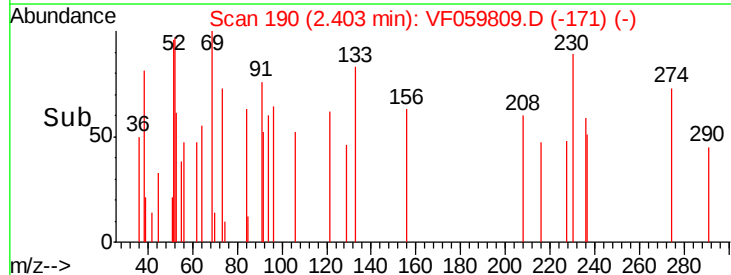
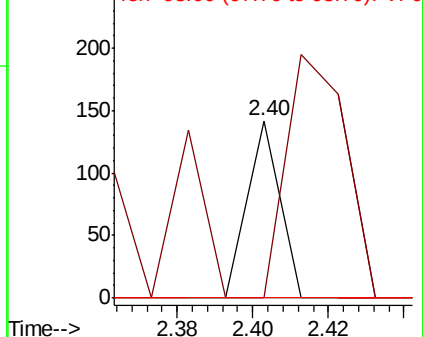


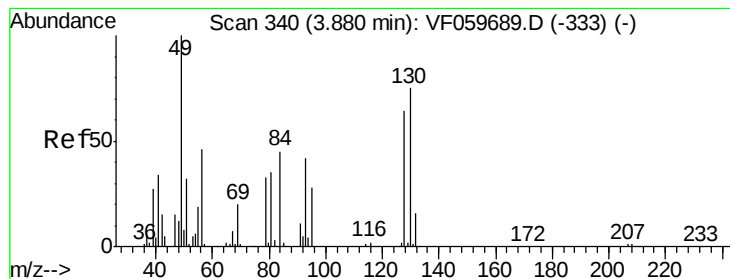
Abundance

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: 3.93 min Scan# 345

Delta R.T. 0.05 min

Lab File: VF059809.D

Acq: 2 Aug 2018 19:12

Instrument :

MSVOA_F

ClientSampleId :

OK-03-073118

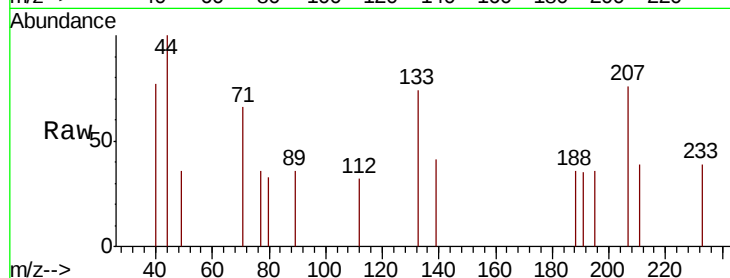
Tot Ion: 49 Resp: 68

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.8

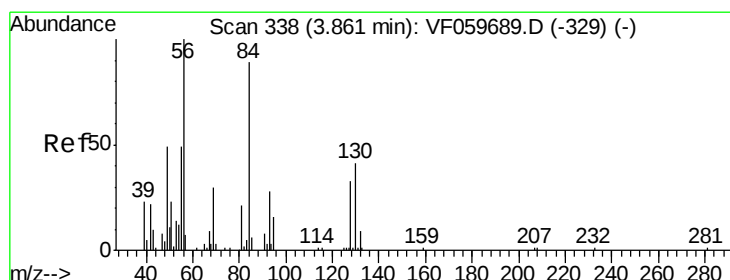
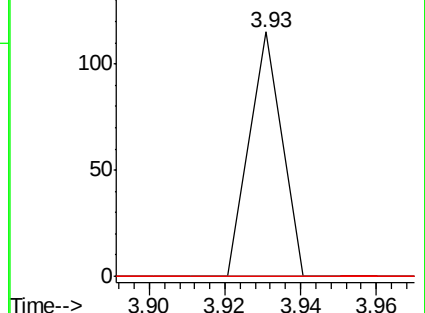
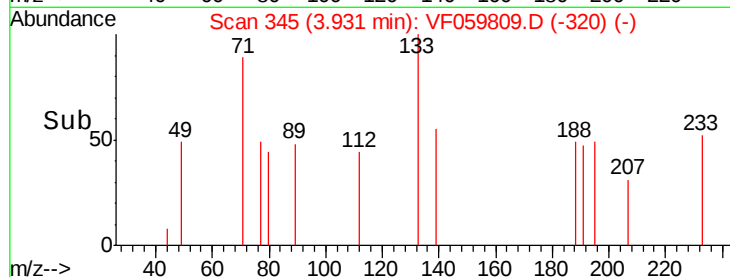
130 0.0 59.6 89.4#



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: 3.87 min Scan# 339

Delta R.T. 0.01 min

Lab File: VF059809.D

Acq: 2 Aug 2018 19:12

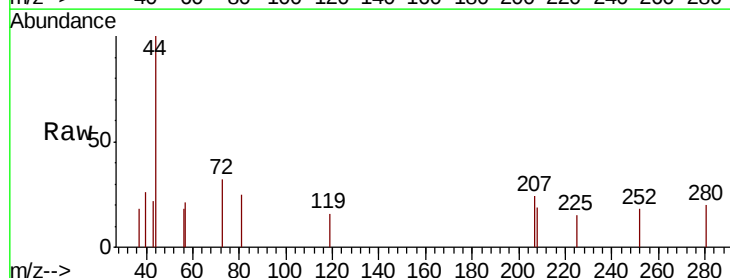
Tgt Ion: 56 Resp: 73

Ion Ratio Lower Upper

56 100

69 0.0 23.7 35.5#

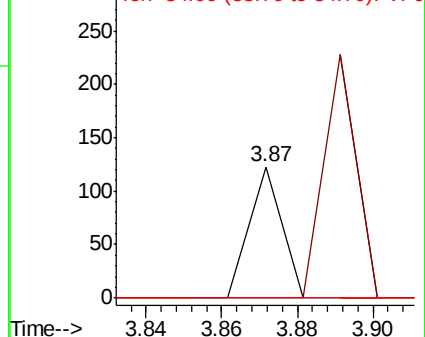
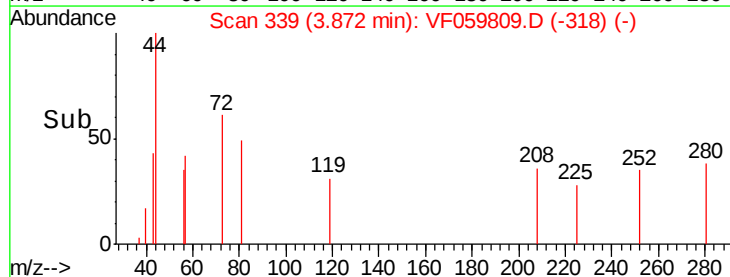
84 0.0 71.1 106.7#

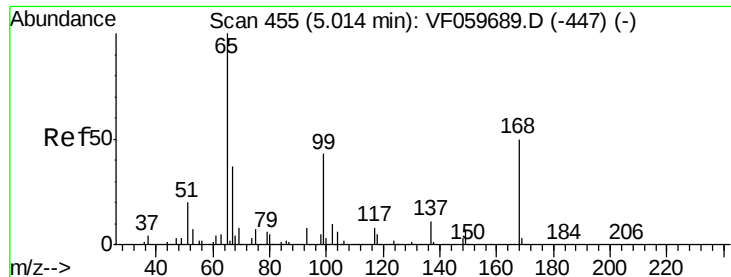


Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 47.144 ug/l

RT: 5.01 min Scan# 454

Delta R.T. -0.01 min

Lab File: VF059809.D

Acq: 2 Aug 2018 19:12

Instrument :

MSVOA_F

ClientSampleId :

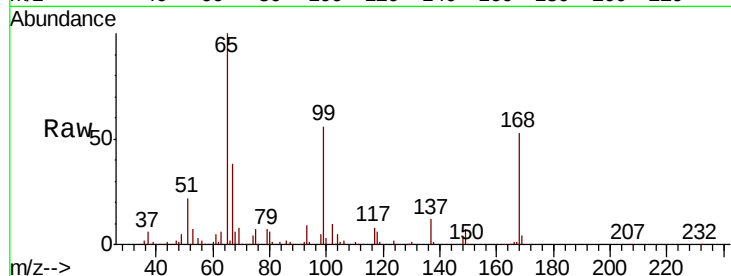
OK-03-073118

Tot Ion: 65 Resp: 178926

Ion Ratio Lower Upper

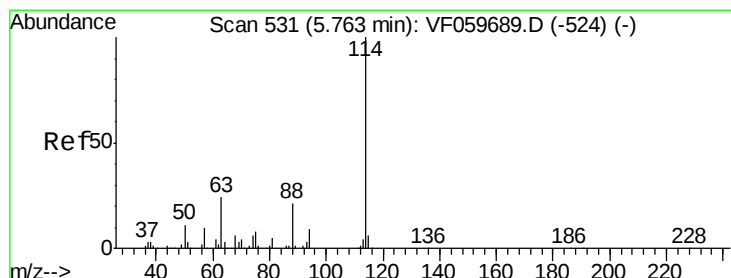
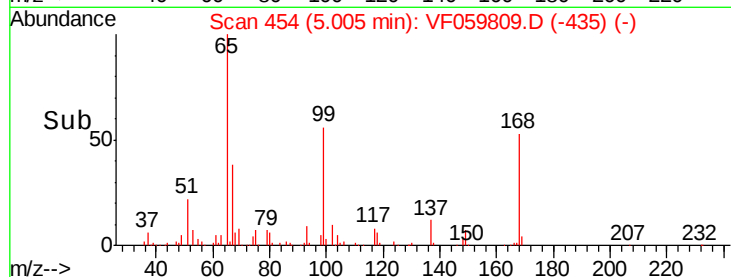
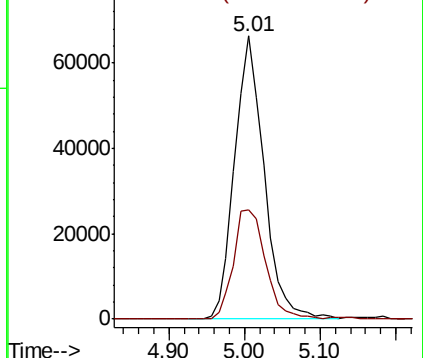
65 100

67 38.4 0.0 84.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.75 min Scan# 530

Delta R.T. -0.01 min

Lab File: VF059809.D

Acq: 2 Aug 2018 19:12

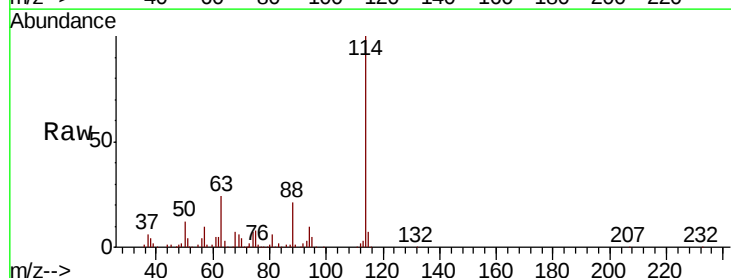
Tgt Ion:114 Resp: 298920

Ion Ratio Lower Upper

114 100

63 24.4 0.0 47.4

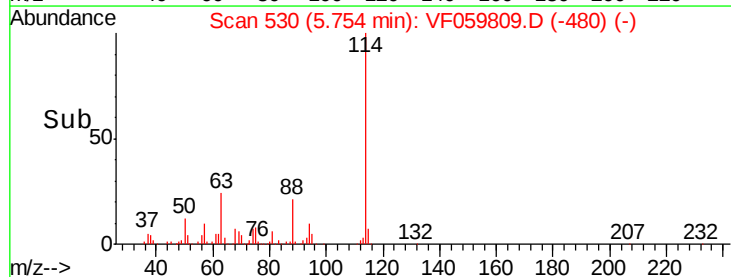
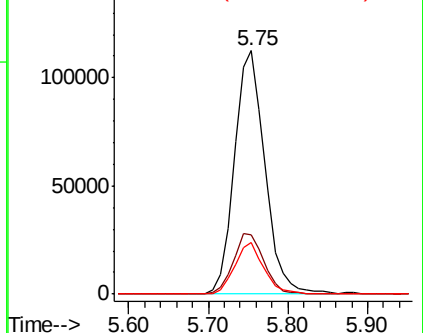
88 21.4 0.0 41.2

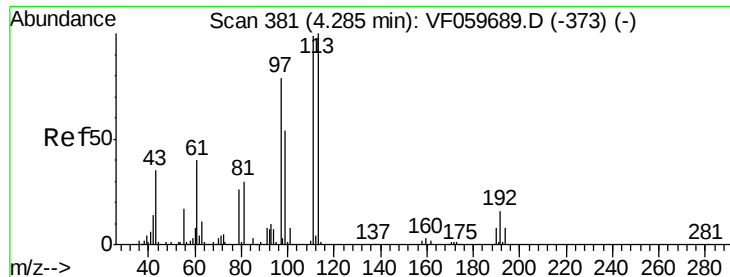


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

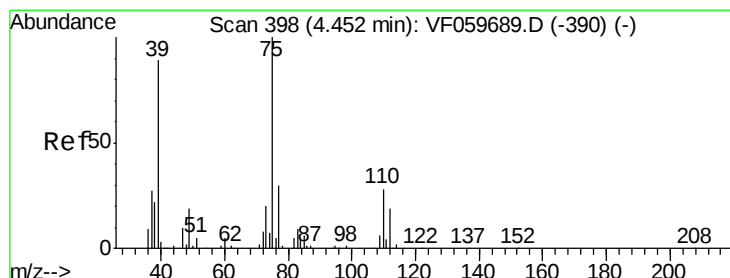
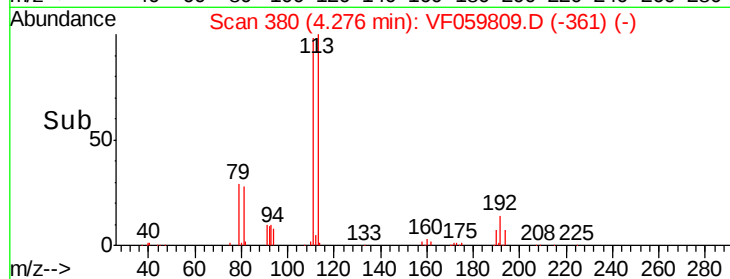
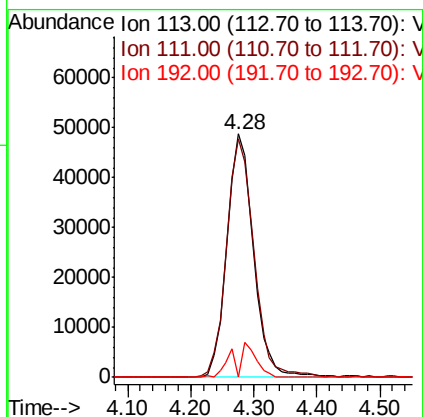
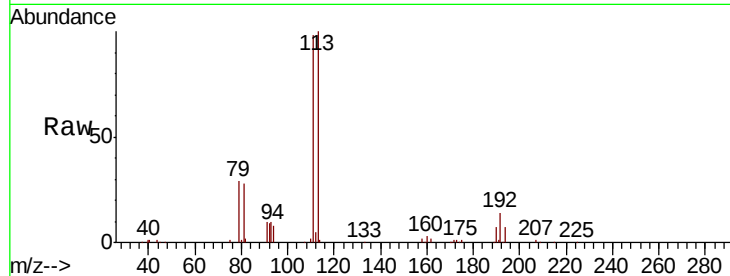




#35
 Dibromofluoromethane
 Concen: 45.762 ug/l
 RT: 4.28 min Scan# 380
 Delta R.T. -0.01 min
 Lab File: VF059809.D
 Acq: 2 Aug 2018 19:12

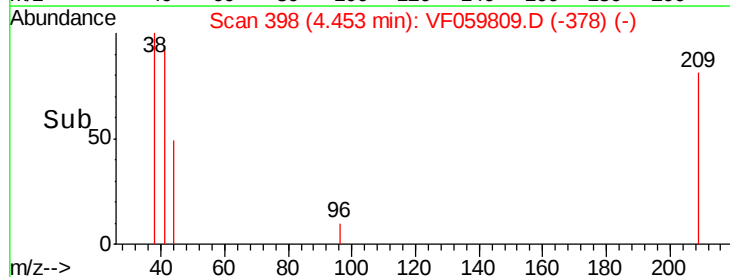
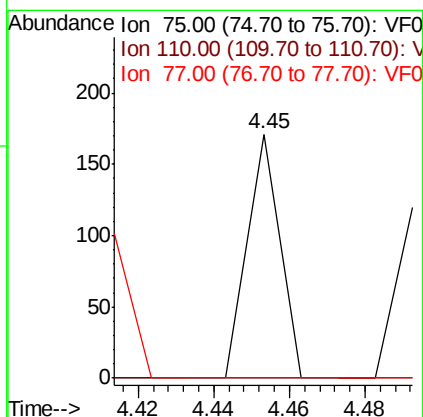
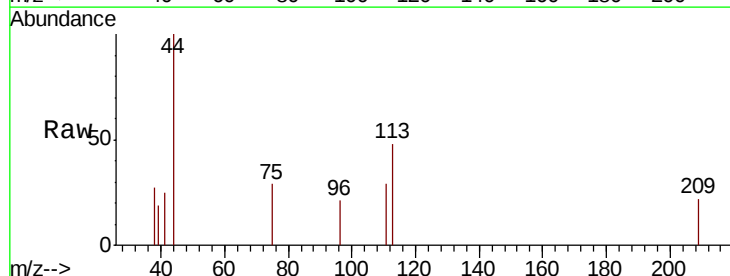
Instrument :
 MSVOA_F
 ClientSampleId :
 OK-03-073118

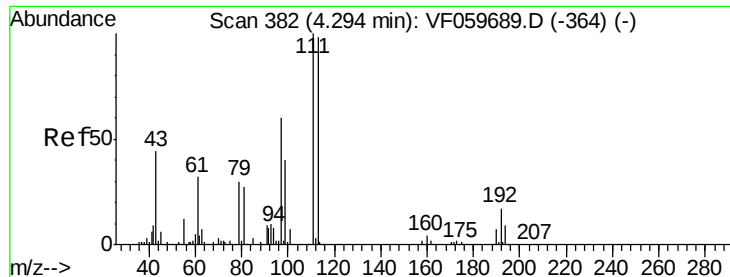
Tot Ion:113 Resp: 142078
 Ion Ratio Lower Upper
 113 100
 111 96.8 79.0 118.4
 192 0.4 13.2 19.8#



#36
 1,1-Dichloropropene
 Concen: Below Cal
 RT: 4.45 min Scan# 398
 Delta R.T. 0.00 min
 Lab File: VF059809.D
 Acq: 2 Aug 2018 19:12

Tgt Ion: 75 Resp: 101
 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: 4.29 min Scan# 381

Delta R.T. -0.01 min

Lab File: VF059809.D

Acq: 2 Aug 2018 19:12

Instrument :

MSVOA_F

ClientSampleId :

OK-03-073118

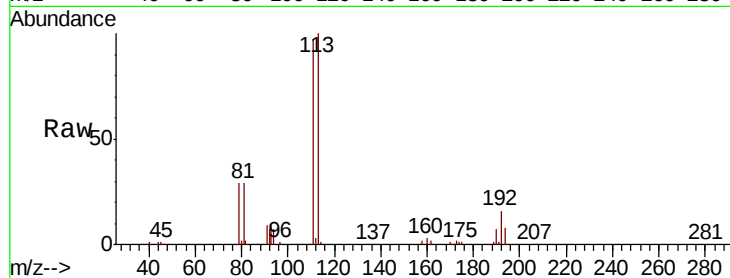
Tot Ion: 43 Resp: 216

Ion Ratio Lower Upper

43 100

61 0.0 58.2 87.2#

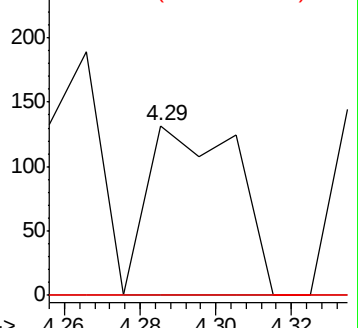
70 0.0 6.0 9.0#



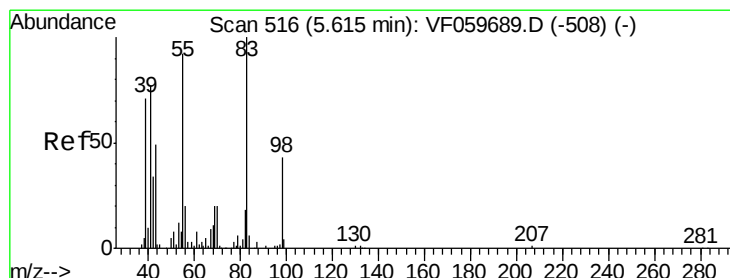
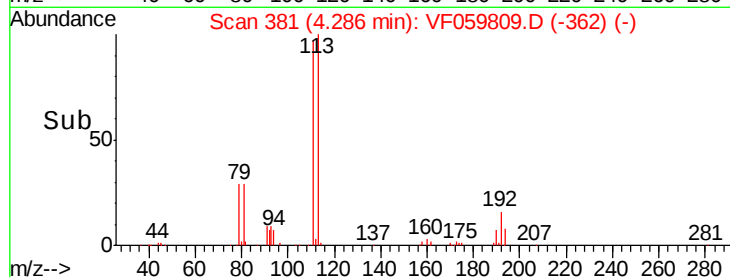
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



Time-->



#39

Methylcyclohexane

Concen: Below Cal

RT: 5.74 min Scan# 529

Delta R.T. 0.13 min

Lab File: VF059809.D

Acq: 2 Aug 2018 19:12

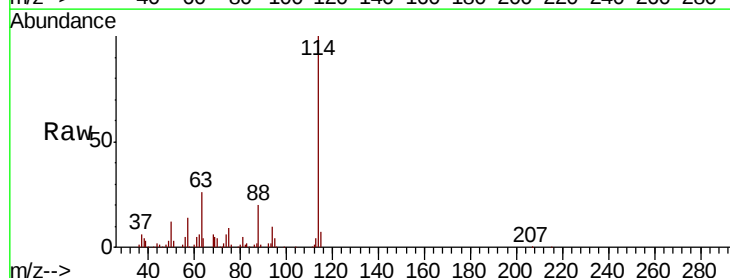
Tgt Ion: 83 Resp: 4929

Ion Ratio Lower Upper

83 100

55 23.8 73.4 110.2#

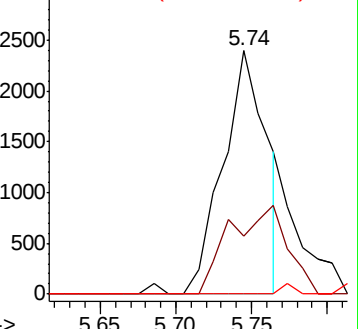
98 0.0 34.2 51.4#



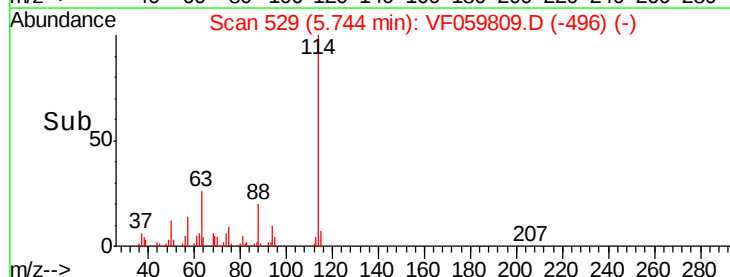
Abundance Ion 83.00 (82.70 to 83.70): VF0

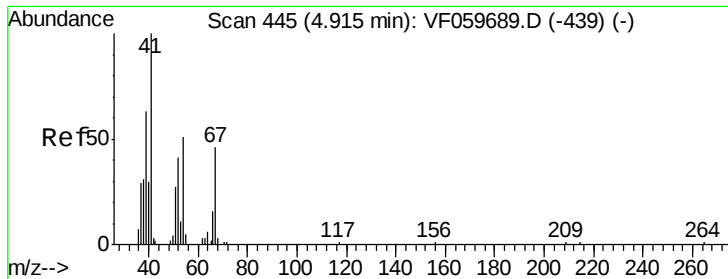
Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



Time-->

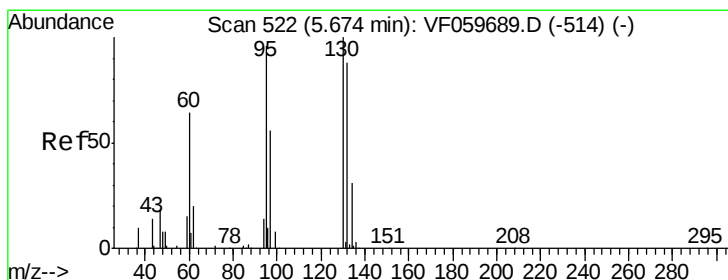
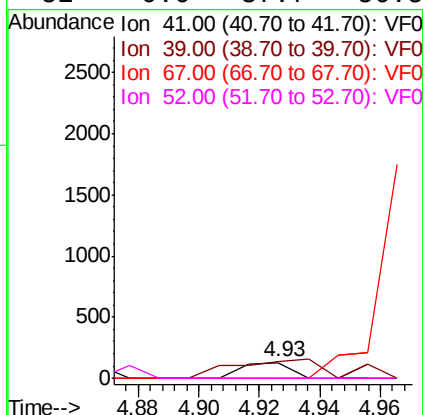
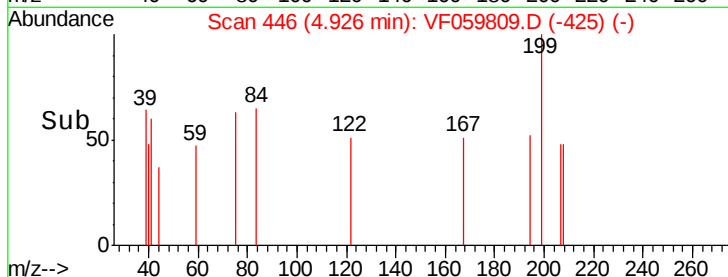
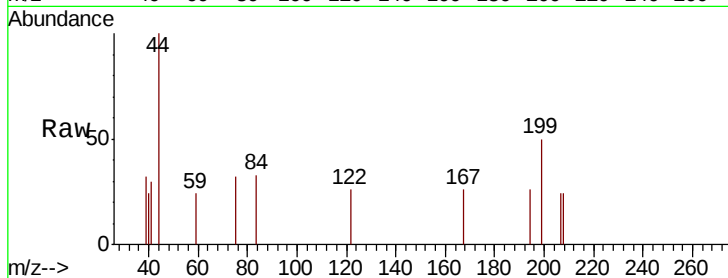




#41
Methacrylonitrile
Concen: Below Cal
RT: 4.93 min Scan# 446
Delta R.T. 0.01 min
Lab File: VF059809.D
Acq: 2 Aug 2018 19:12

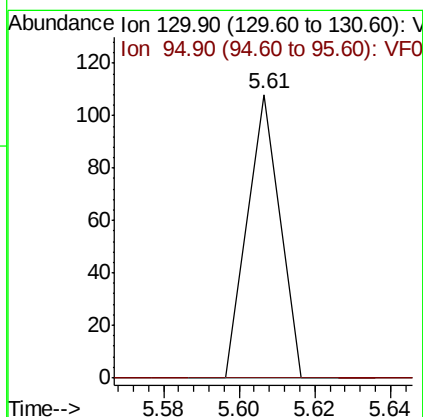
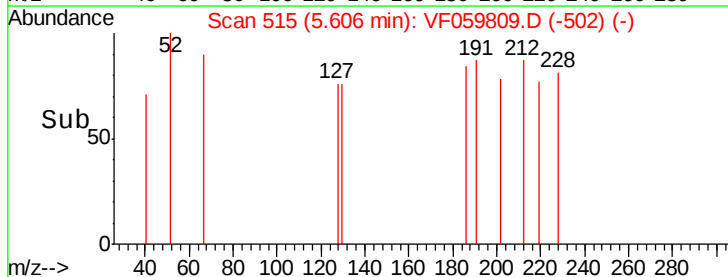
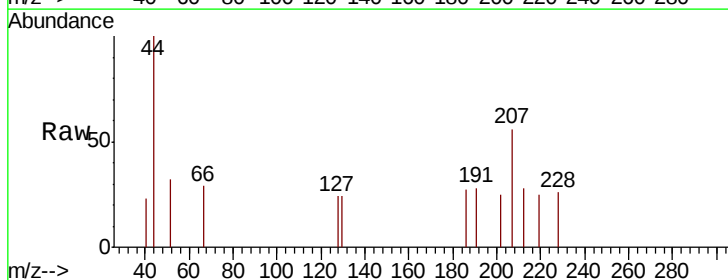
Instrument :
MSVOA_F
ClientSampleId :
OK-03-073118

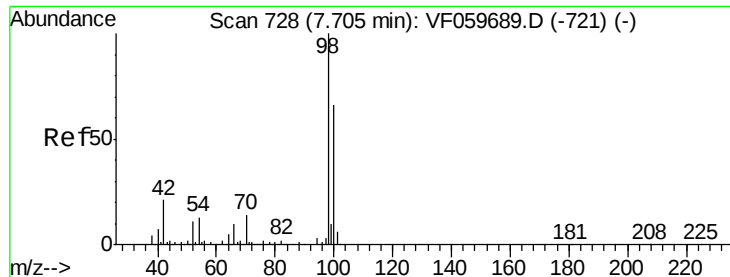
Tot Ion: 41 Resp: 141
Ion Ratio Lower Upper
41 100
39 107.0 55.2 82.8#
67 0.0 36.2 54.2#
52 0.0 37.7 56.5#



#44
Trichloroethene
Concen: Below Cal
RT: 5.61 min Scan# 515
Delta R.T. -0.07 min
Lab File: VF059809.D
Acq: 2 Aug 2018 19:12

Tgt Ion: 130 Resp: 64
Ion Ratio Lower Upper
130 100
95 0.0 0.0 191.0

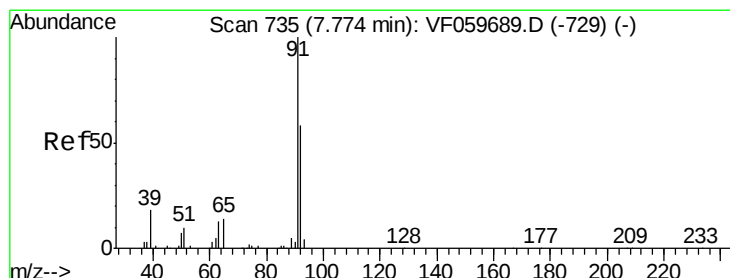
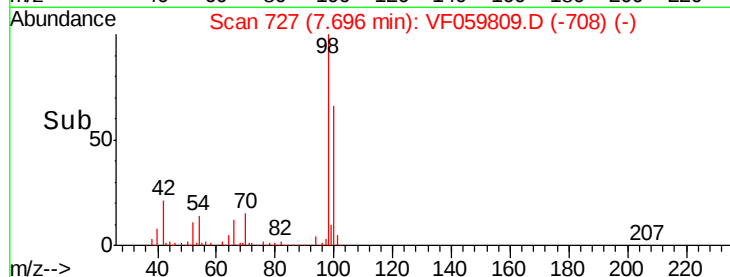
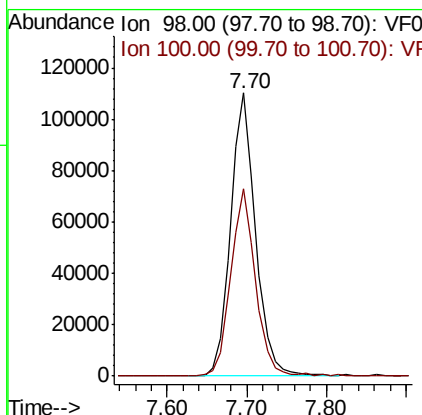
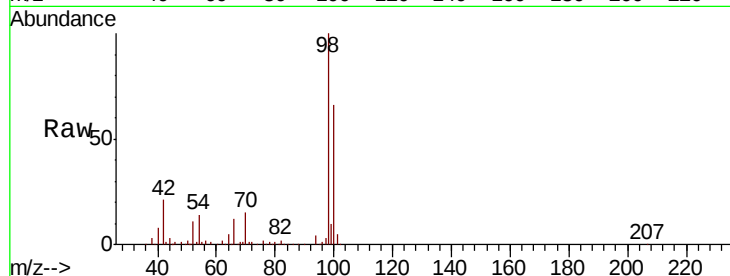




#50
Toluene-d8
Concen: 33.462 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.01 min
Lab File: VF059809.D
Acq: 2 Aug 2018 19:12

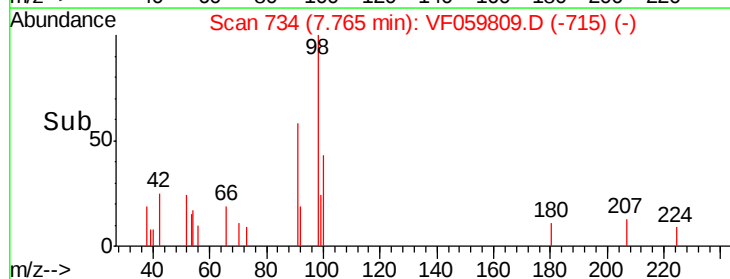
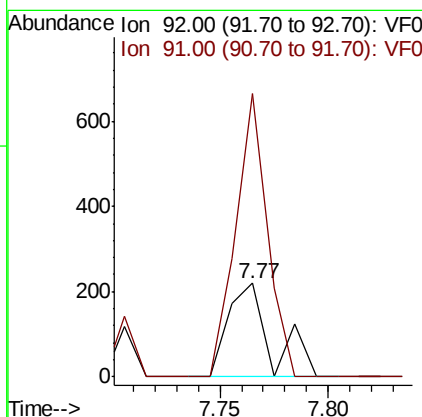
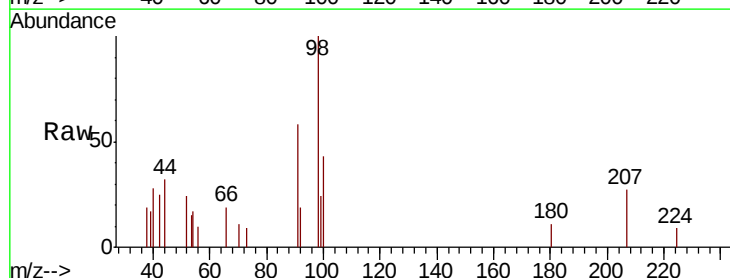
Instrument :
MSVOA_F
ClientSampleId :
OK-03-073118

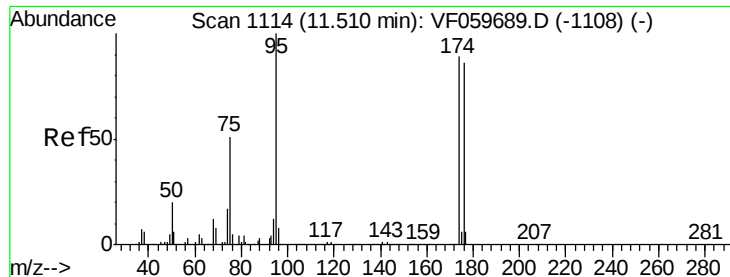
Tot Ion: 98 Resp: 242269
Ion Ratio Lower Upper
98 100
100 66.1 52.8 79.2



#52
Toluene
Concen: Below Cal
RT: 7.77 min Scan# 734
Delta R.T. -0.01 min
Lab File: VF059809.D
Acq: 2 Aug 2018 19:12

Tgt Ion: 92 Resp: 304
Ion Ratio Lower Upper
92 100
91 303.2 139.0 208.4#

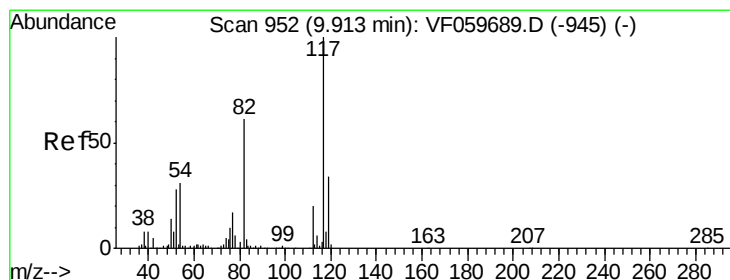
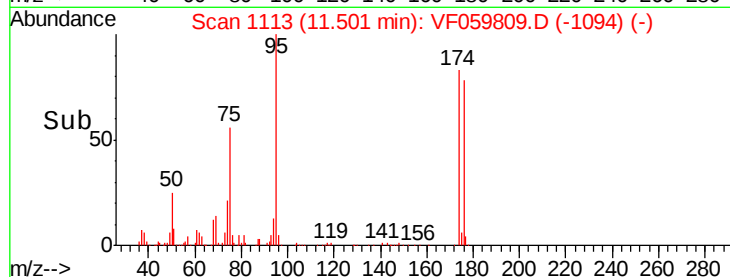
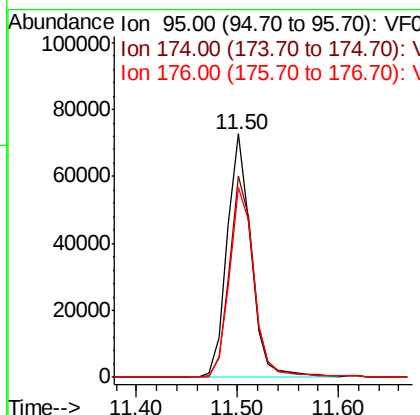
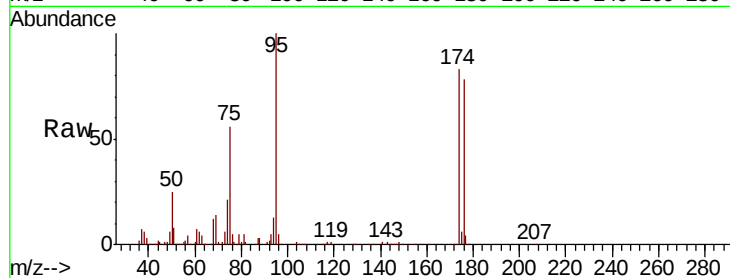




#62
4-Bromofluorobenzene
Concen: 29.846 ug/l
RT: 11.50 min Scan# 1113
Delta R.T. -0.01 min
Lab File: VF059809.D
Acq: 2 Aug 2018 19:12

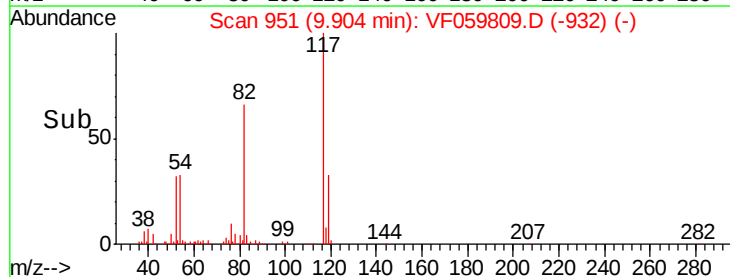
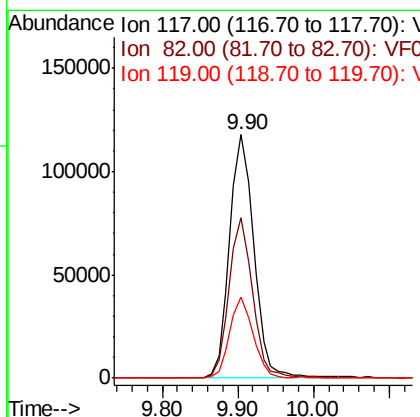
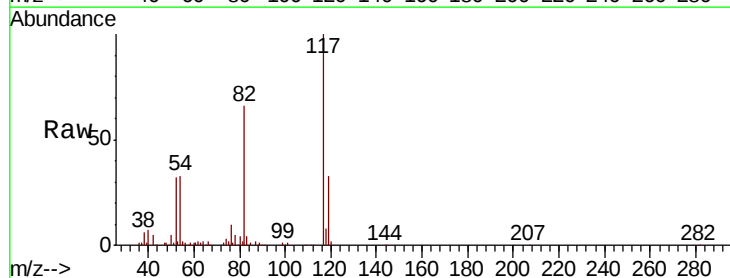
Instrument :
MSVOA_F
ClientSampleId :
OK-03-073118

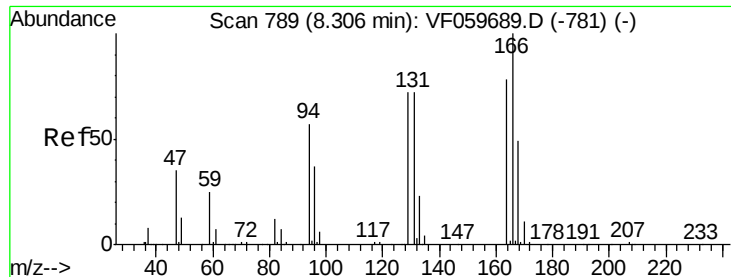
Tot Ion: 95 Resp: 119629
Ion Ratio Lower Upper
95 100
174 82.9 0.0 178.4
176 77.9 0.0 173.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 951
Delta R.T. -0.01 min
Lab File: VF059809.D
Acq: 2 Aug 2018 19:12

Tgt Ion: 117 Resp: 263753
Ion Ratio Lower Upper
117 100
82 66.1 49.0 73.4
119 33.2 27.3 40.9

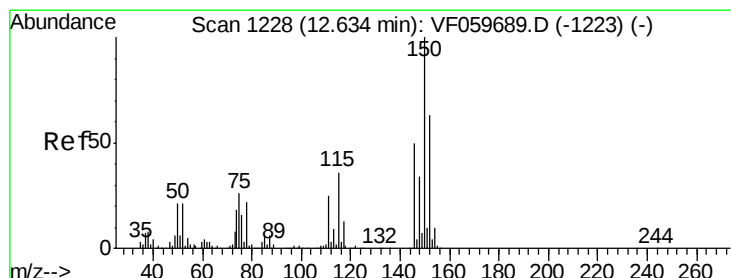
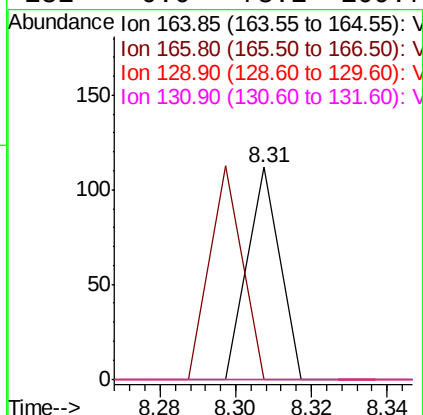
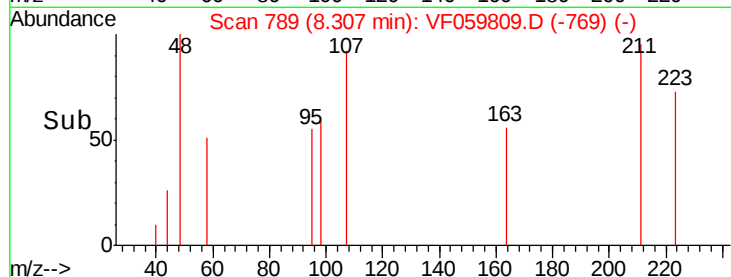
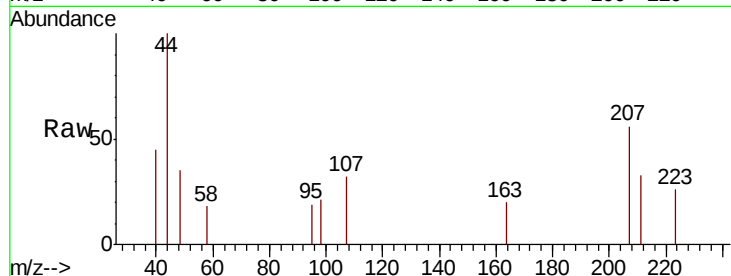




#64
Tetrachloroethene
Concen: Below Cal
RT: 8.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VF059809.D
Acq: 2 Aug 2018 19:12

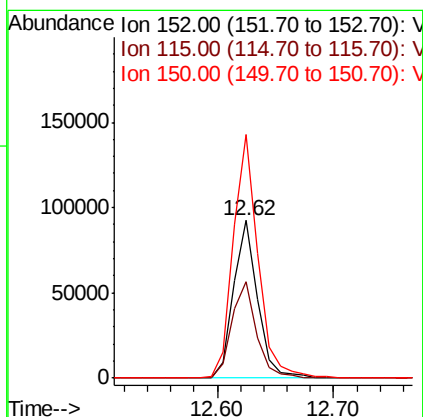
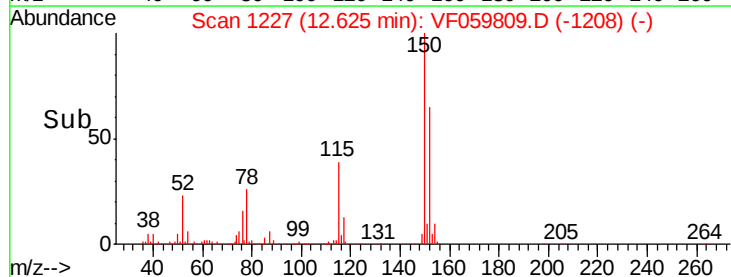
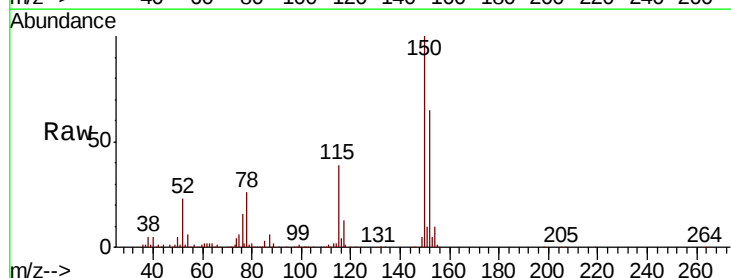
Instrument :
MSVOA_F
ClientSampleId :
OK-03-073118

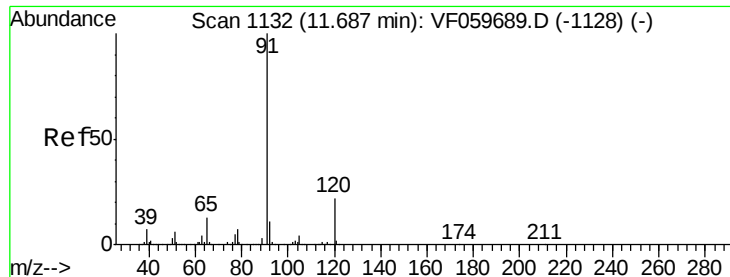
Tot Ion:164 Resp: 66
Ion Ratio Lower Upper
164 100
166 0.0 102.1 153.1#
129 0.0 73.8 110.6#
131 0.0 73.1 109.7#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1227
Delta R.T. -0.01 min
Lab File: VF059809.D
Acq: 2 Aug 2018 19:12

Tgt Ion:152 Resp: 133030
Ion Ratio Lower Upper
152 100
115 60.9 28.2 84.6
150 154.4 0.0 316.2





#78

n-propylbenzene

Concen: Below Cal

RT: 11.67 min Scan# 1130

Delta R.T. -0.02 min

Lab File: VF059809.D

Acq: 2 Aug 2018 19:12

Instrument :

MSVOA_F

ClientSampled :

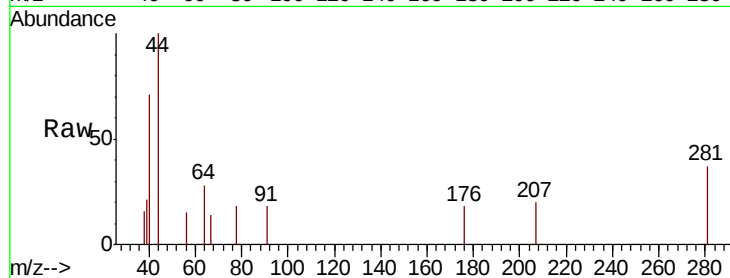
OK-03-073118

Tot Ion: 91 Resp: 294

Ion Ratio Lower Upper

91 100

120 0.0 11.0 33.0#



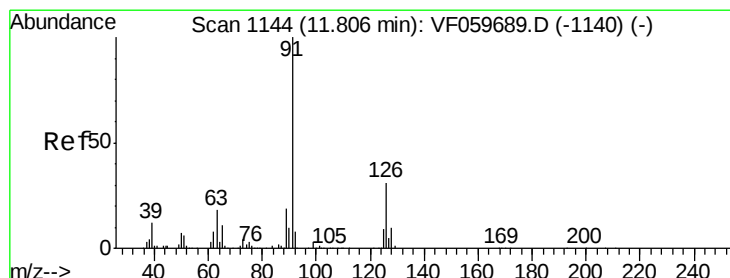
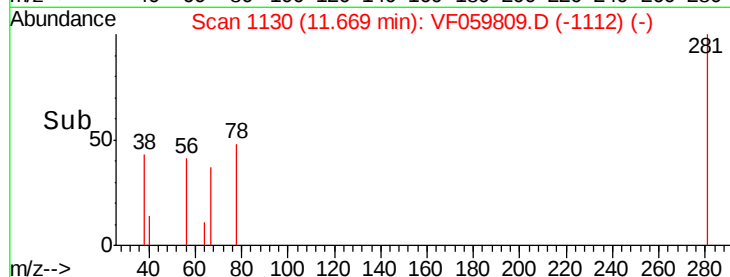
Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

11.67

11.65 11.70

Time-->



#79

2-Chlorotoluene

Concen: Below Cal

RT: 11.81 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VF059809.D

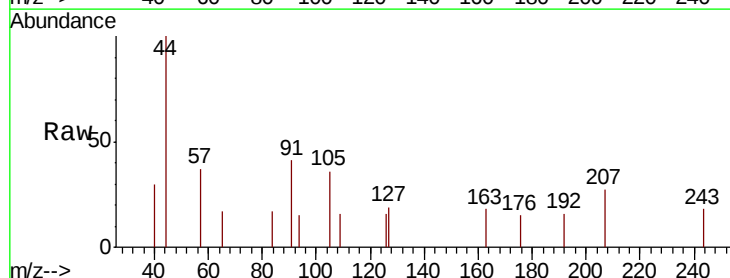
Acq: 2 Aug 2018 19:12

Tgt Ion: 91 Resp: 294

Ion Ratio Lower Upper

91 100

126 38.3 15.4 46.2



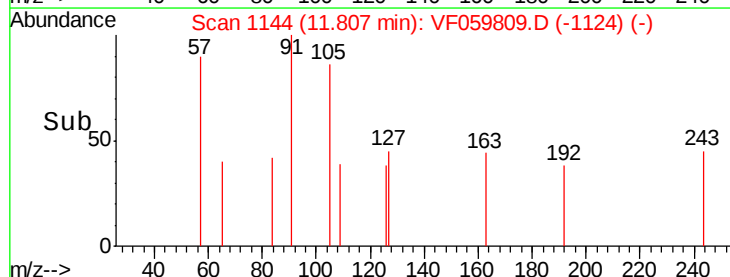
Abundance Ion 91.00 (90.70 to 91.70): VF0

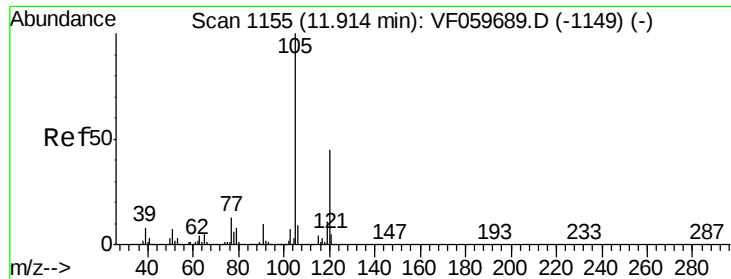
Ion 126.00 (125.70 to 126.70): V

11.81

11.80

Time-->





#80

1,3,5-Trimethylbenzene

Concen: Below Cal

RT: 11.91 min Scan# 1154

Delta R.T. -0.01 min

Lab File: VF059809.D

Acq: 2 Aug 2018 19:12

Instrument :

MSVOA_F

ClientSampleId :

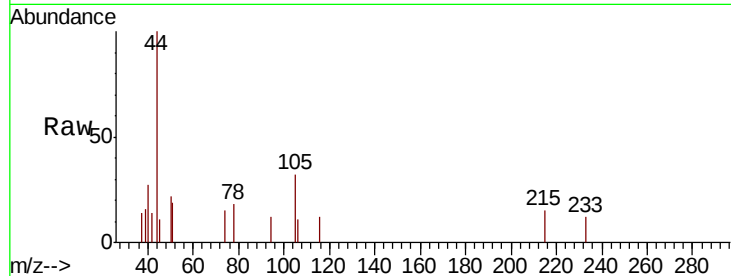
OK-03-073118

Tot Ion: 105 Resp: 495

Ion Ratio Lower Upper

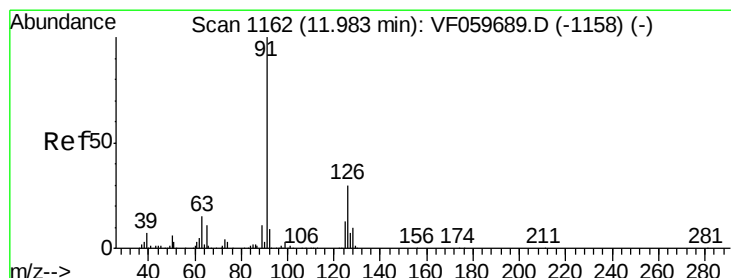
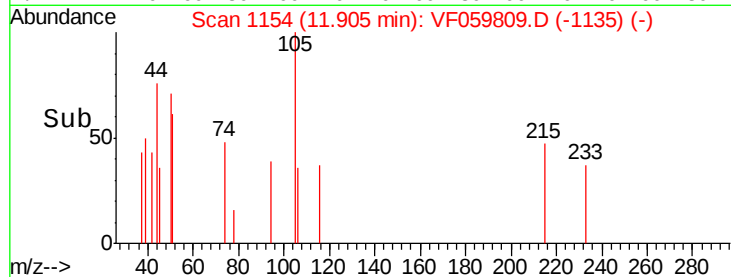
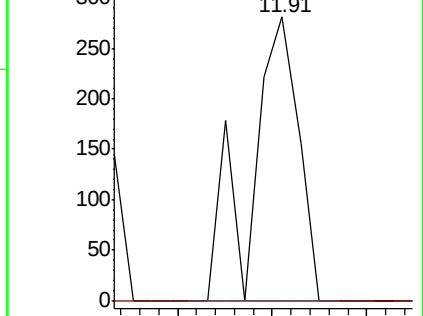
105 100

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: 11.98 min Scan# 1162

Delta R.T. 0.00 min

Lab File: VF059809.D

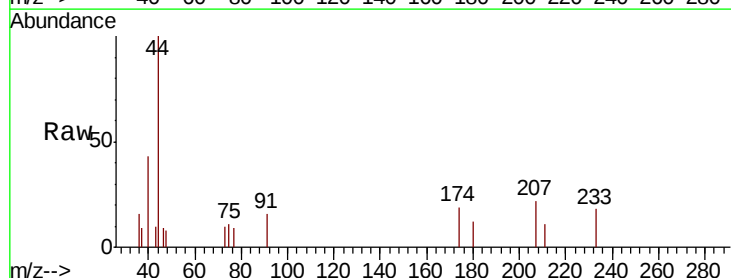
Acq: 2 Aug 2018 19:12

Tgt Ion: 91 Resp: 280

Ion Ratio Lower Upper

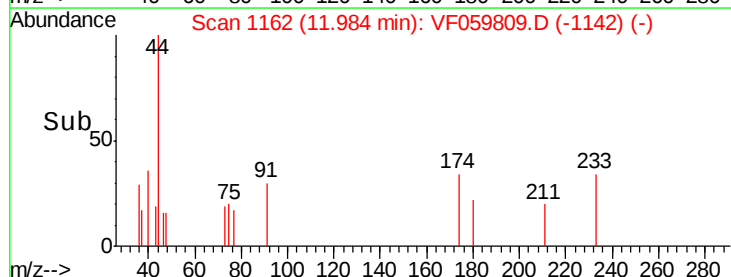
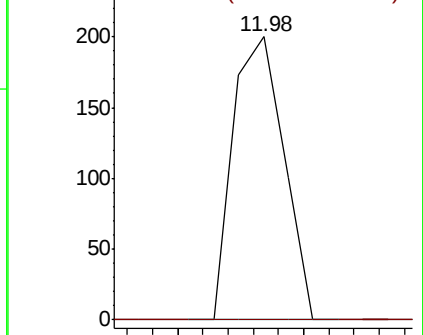
91 100

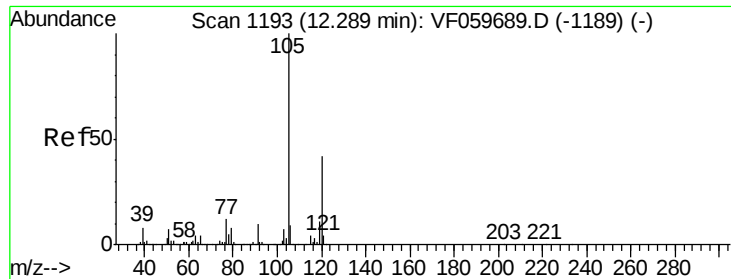
126 0.0 15.2 45.6#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

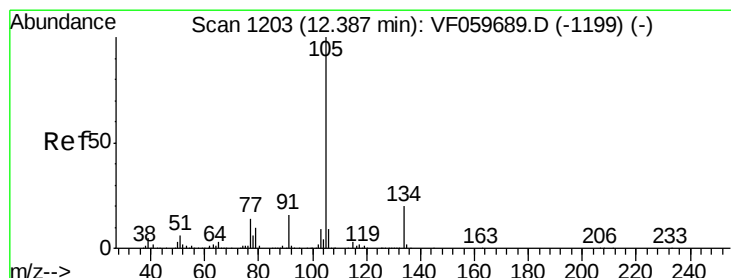
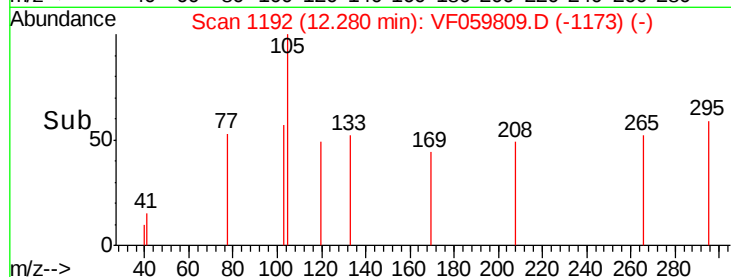
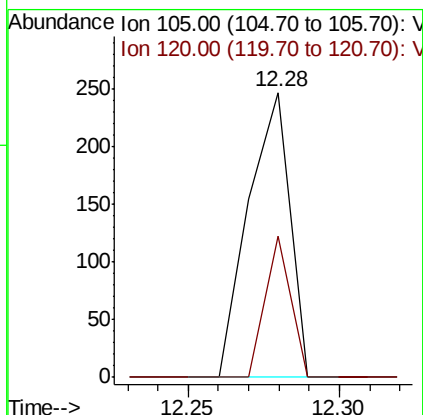
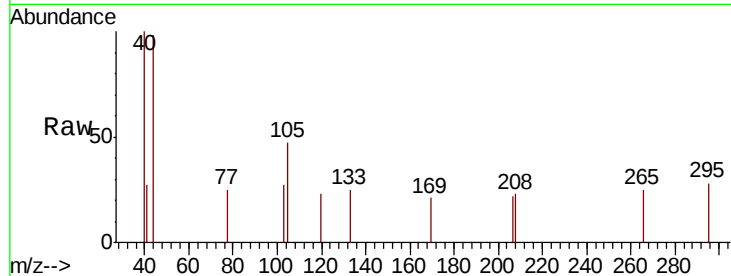




#84
1,2,4-Trimethylbenzene
Concen: Below Cal
RT: 12.28 min Scan# 1192
Delta R.T. -0.01 min
Lab File: VF059809.D
Acq: 2 Aug 2018 19:12

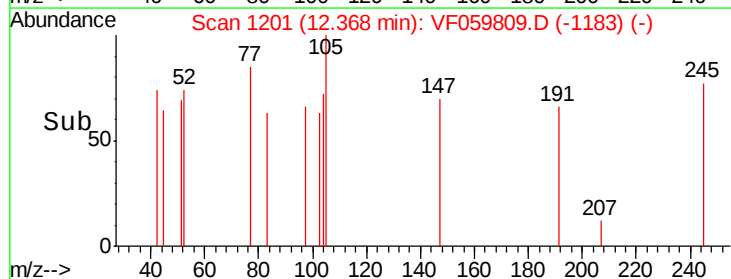
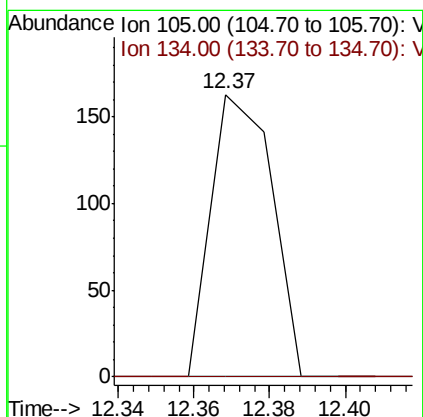
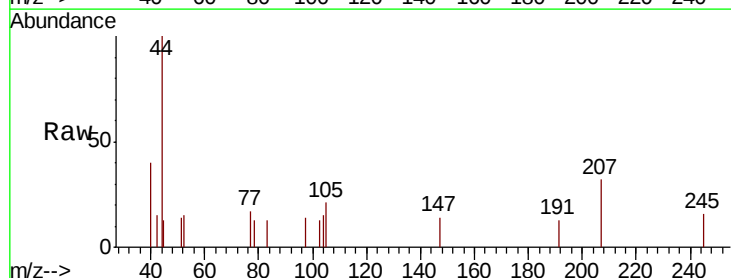
Instrument :
MSVOA_F
ClientSampleId :
OK-03-073118

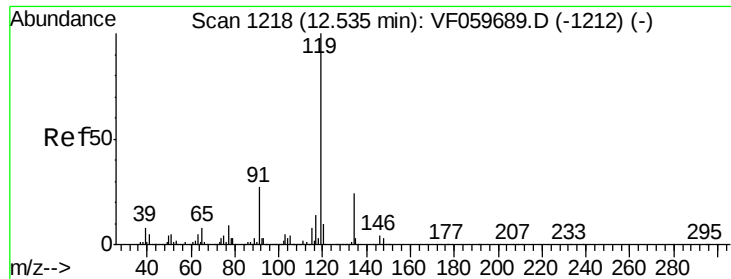
Tot Ion:105 Resp: 238
Ion Ratio Lower Upper
105 100
120 49.4 21.1 63.3



#85
sec-Butylbenzene
Concen: Below Cal
RT: 12.37 min Scan# 1201
Delta R.T. -0.02 min
Lab File: VF059809.D
Acq: 2 Aug 2018 19:12

Tgt Ion:105 Resp: 180
Ion Ratio Lower Upper
105 100
134 0.0 9.8 29.3#

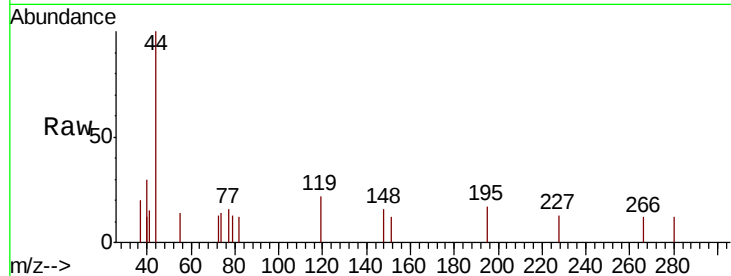




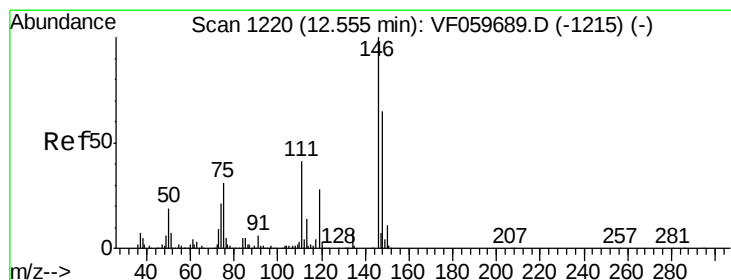
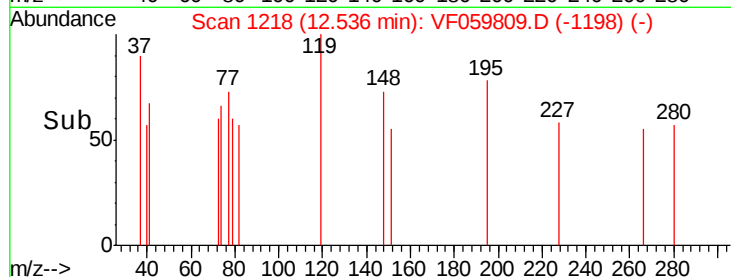
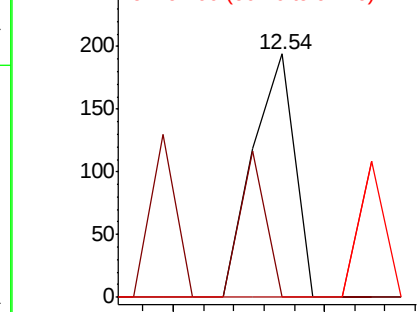
#86
p-Isopropyltoluene
Concen: Below Cal
RT: 12.54 min Scan# 1218
Delta R.T. 0.00 min
Lab File: VF059809.D
Acq: 2 Aug 2018 19:12

Instrument :
MSVOA_F
ClientSampleId :
OK-03-073118

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

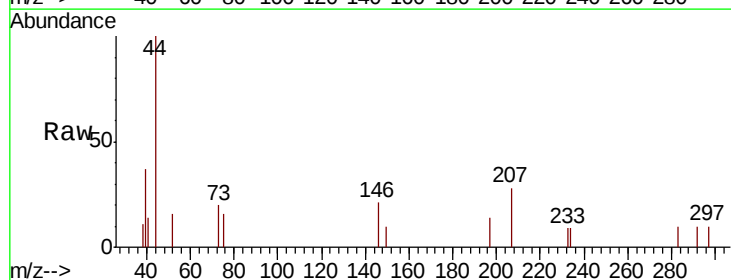


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V

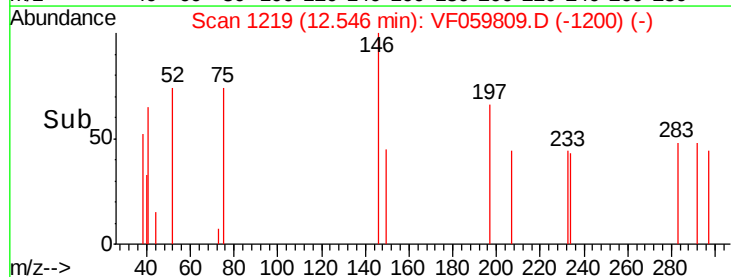
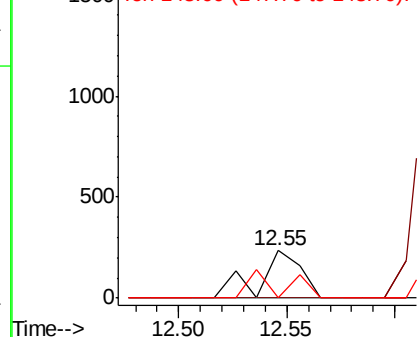


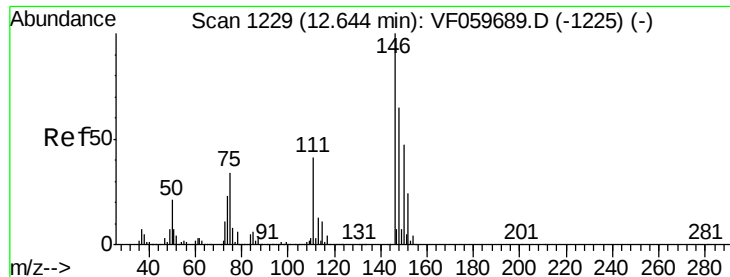
#87
1,3-Dichlorobenzene
Concen: Below Cal
RT: 12.55 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VF059809.D
Acq: 2 Aug 2018 19:12

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: 12.63 min Scan# 1228

Delta R.T. -0.01 min

Lab File: VF059809.D

Acq: 2 Aug 2018 19:12

Instrument :

MSVOA_F

ClientSampleId :

OK-03-073118

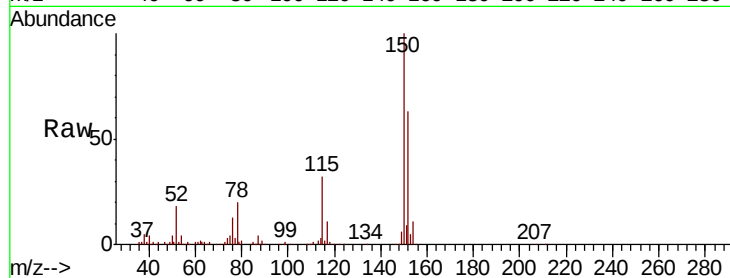
Tot Ion:146 Resp: 275

Ion Ratio Lower Upper

146 100

111 313.1 20.8 62.2#

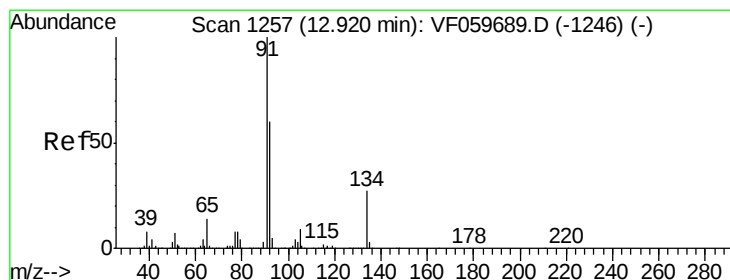
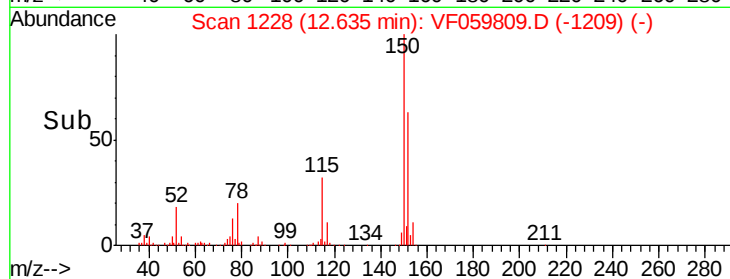
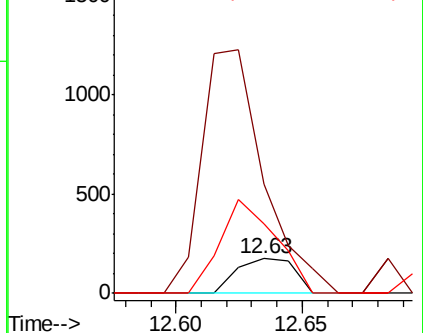
148 201.7 32.3 96.9#



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: VF059809.D

Acq: 2 Aug 2018 19:12

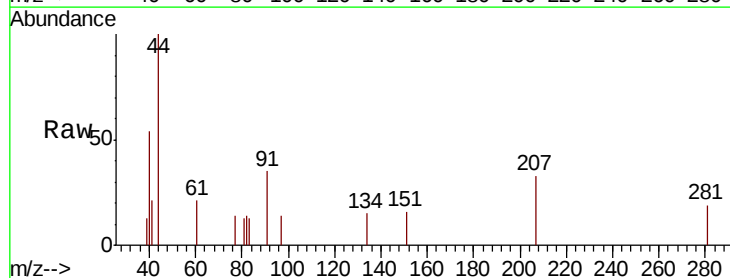
Tgt Ion: 91 Resp: 324

Ion Ratio Lower Upper

91 100

92 0.0 30.1 90.3#

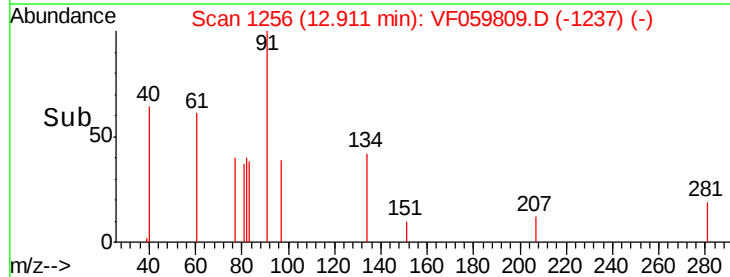
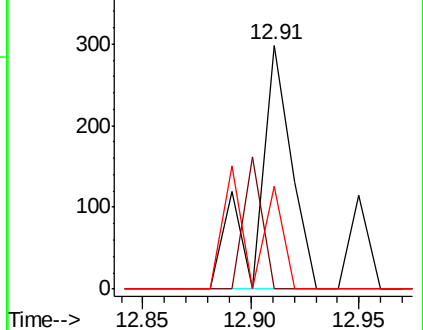
134 42.3 13.7 41.0#

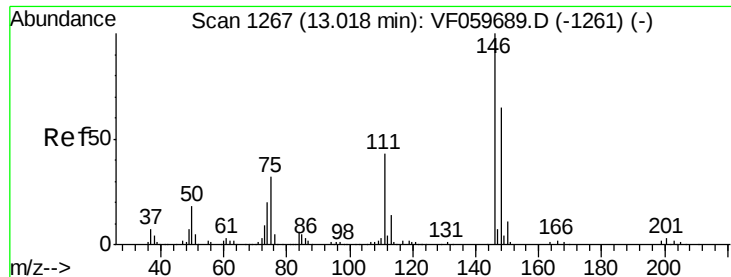


Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V





#91

1,2-Dichlorobenzene

Concen: Below Cal

RT: 13.02 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VF059809.D

Acq: 2 Aug 2018 19:12

Instrument :

MSVOA_F

ClientSampleId :

OK-03-073118

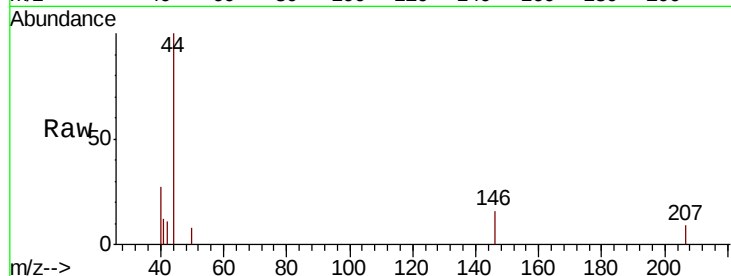
Tot Ion:146 Resp: 212

Ion Ratio Lower Upper

146 100

111 0.0 21.6 65.0#

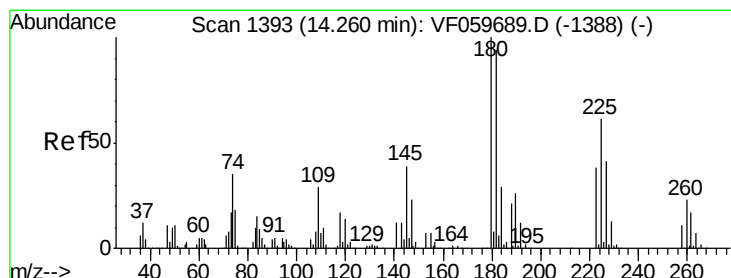
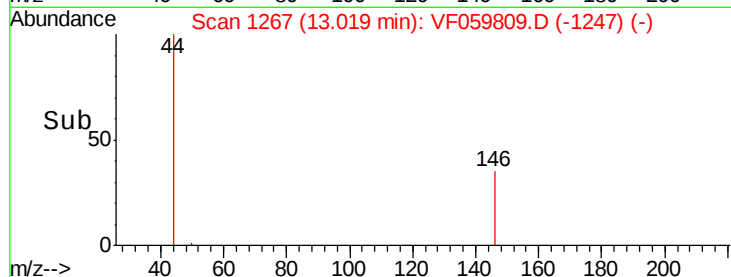
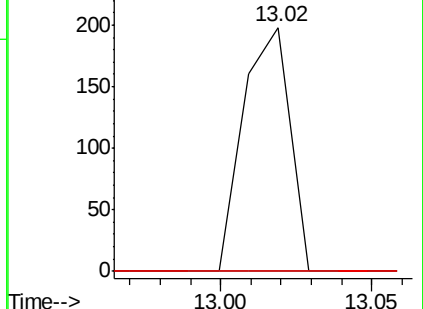
148 0.0 32.3 96.9#



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



#93

1,2,4-Trichlorobenzene

Concen: Below Cal

RT: 14.26 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VF059809.D

Acq: 2 Aug 2018 19:12

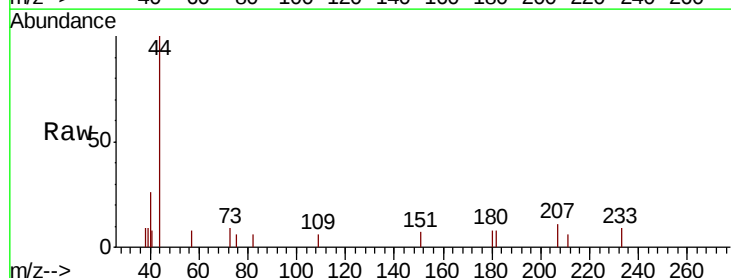
Tgt Ion:180 Resp: 88

Ion Ratio Lower Upper

180 100

182 100.0 47.2 141.6

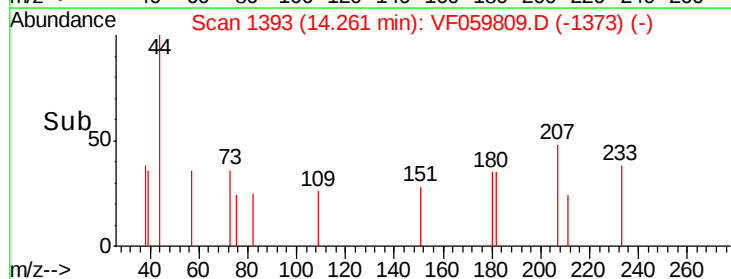
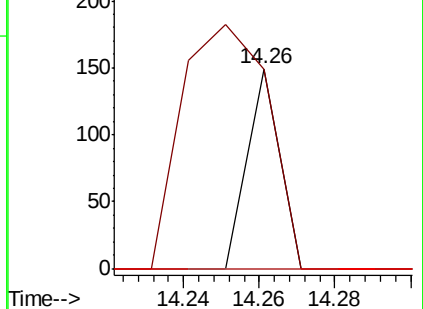
145 0.0 19.3 57.9#

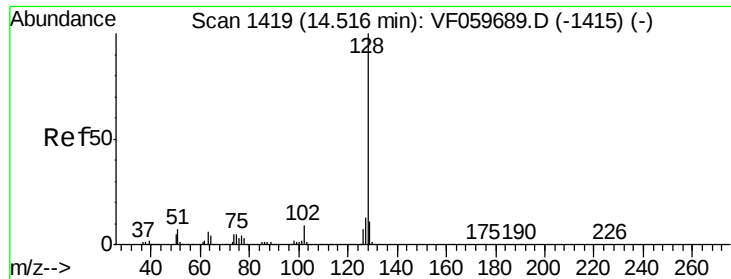


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#95
Naphthalene
Concen: 2.320 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. 0.00 min
Lab File: VF059809.D
Acq: 2 Aug 2018 19:12

Instrument :
MSVOA_F
ClientSampleId :
OK-03-073118

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.1	10.0	15.0
129	15.1	8.6	13.0

