

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080218\
 Data File : VF059826.D
 Acq On : 3 Aug 2018 4:52
 Operator : VA/AP
 Sample : J4162-06RE
 Misc : 5.03g/5mL/MSVOA F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 NORTHLAWN-PRECHAR-AREA-3-B

Quant Time: Aug 03 07:10:45 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	87131	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	117874	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	91530	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	34765	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	63110	40.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.60%	
35) Dibromofluoromethane	4.29	113	52276	42.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.40%	
50) Toluene-d8	7.70	98	92386	32.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	64.72%	
62) 4-Bromofluorobenzene	11.51	95	35813	22.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	45.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.99	85	146	Below Cal	#	44
3) Chloromethane	1.08	50	121	Below Cal	#	38
4) Vinyl Chloride	1.17	62	141	Below Cal	#	47
5) Bromomethane	1.35	94	241	Below Cal	#	4
6) Chloroethane	1.47	64	67	Below Cal	#	35
10) Methyl Iodide	1.99	142	108	Below Cal	#	20
11) Tert butyl alcohol	2.70	59	235	2.276	ug/l #	1
13) Acrolein	2.08	56	344	25.798	ug/l	97
15) Acrylonitrile	3.06	53	503	5.033	ug/l #	13
16) Acetone	2.34	43	1559	5.535	ug/l	94
17) Carbon Disulfide	1.86	76	80	Below Cal	#	71
18) Methyl Acetate	2.42	43	613	Below Cal	#	64
20) Methylene Chloride	2.28	84	4204	Below Cal	#	65
21) trans-1,2-Dichloroethene	2.41	96	61	Below Cal	#	43
31) Cyclohexane	3.85	56	142	Below Cal	#	15
36) 1,1-Dichloropropene	4.43	75	84	Below Cal	#	1
37) Ethyl Acetate	4.30	43	448	Below Cal	#	19
39) Methylcyclohexane	5.55	83	96	Below Cal	#	13
41) Methacrylonitrile	4.90	41	351	Below Cal	#	31
44) Trichloroethene	5.67	130	69	Below Cal		2
58) 2-Chloroethyl Vinyl ether	7.77	63	95	1.224	ug/l	100
59) 2-Hexanone	9.63	43	1898	4.417	ug/l #	62
64) Tetrachloroethene	8.32	164	79	Below Cal	#	1
68) m/p-Xylenes	10.26	106	284	Below Cal	#	1
74) N-amyl acetate	11.45	43	866	1.505	ug/l #	54
78) n-propylbenzene	11.68	91	305	Below Cal	#	54
79) 2-Chlorotoluene	11.81	91	261	Below Cal		72
80) 1,3,5-Trimethylbenzene	11.79	105	147	Below Cal		97
81) trans-1,4-Dichloro-2-buten	11.97	75	173	1.144	ug/l #	9
82) 4-Chlorotoluene	11.98	91	290	Below Cal	#	44
84) 1,2,4-Trimethylbenzene	12.29	105	429	Below Cal	#	47
85) sec-Butylbenzene	12.38	105	232	Below Cal	#	57
86) p-Isopropyltoluene	12.54	119	412	Below Cal	#	49
87) 1,3-Dichlorobenzene	12.56	146	361	Below Cal	#	58

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

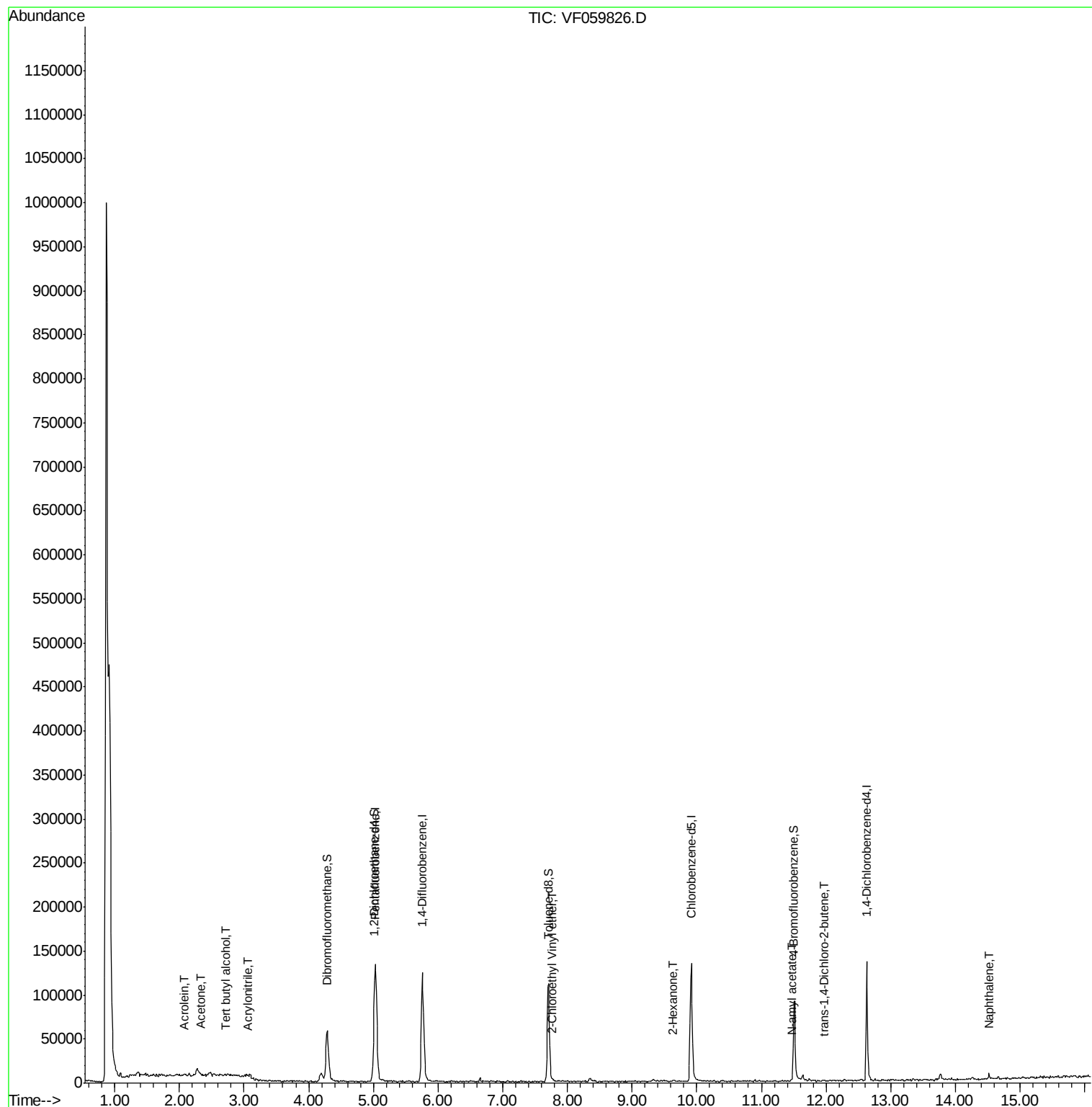
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
88) 1,4-Dichlorobenzene	12.64	146	500	Below Cal	#	59
89) n-Butylbenzene	12.92	91	579	Below Cal	#	67
91) 1,2-Dichlorobenzene	13.02	146	328	Below Cal	#	69
93) 1,2,4-Trichlorobenzene	14.26	180	512	Below Cal		93
95) Naphthalene	14.52	128	3265	2.178 ug/l	#	91

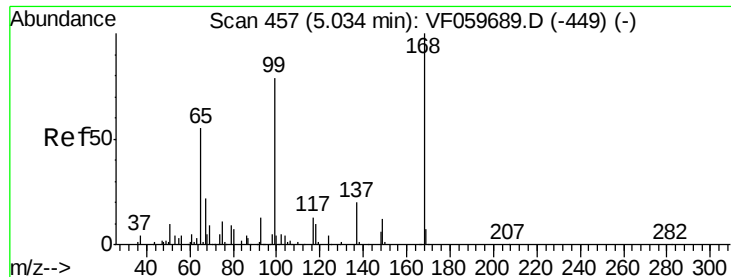
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF080218\
Data File : VF059826.D
Acq On : 3 Aug 2018 4:52
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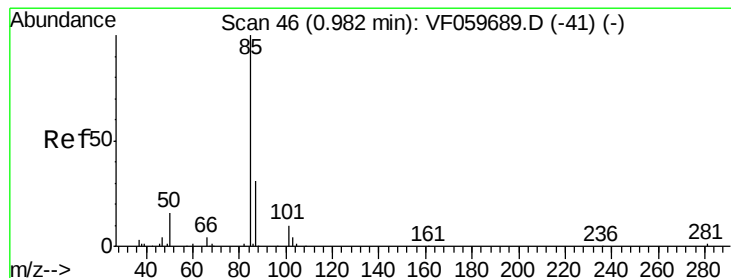
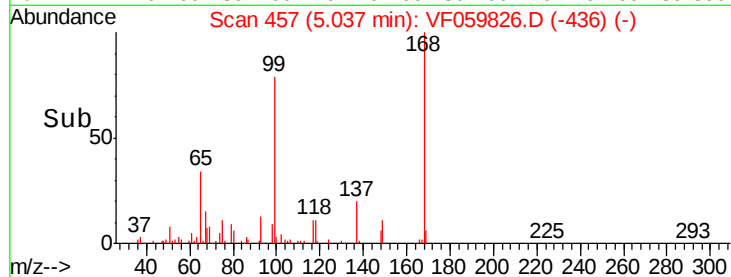
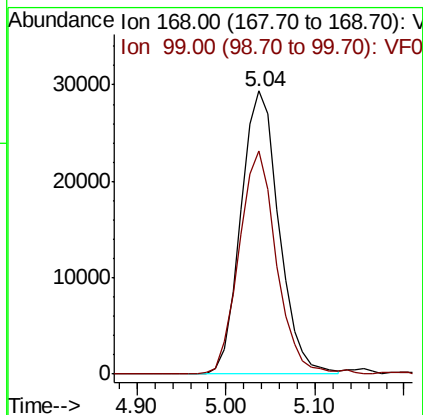
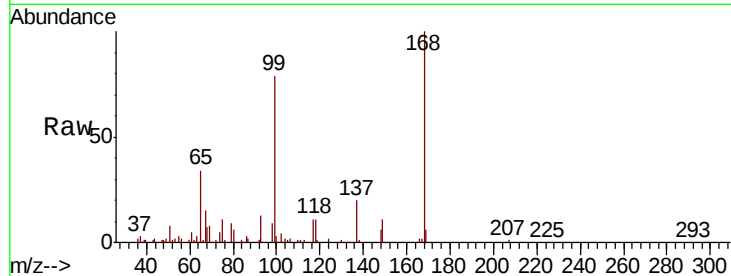


#1

Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.04 min Scan# 457
 Delta R.T. 0.00 min
 Lab File: VF059826.D
 Acq: 3 Aug 2018 4:52

Instrument :
 MSVOA_F
 ClientSampleId :
 NORTHLAWN-PRECHAR-AREA-3-B

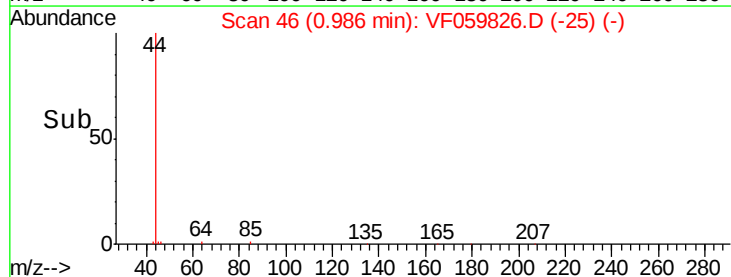
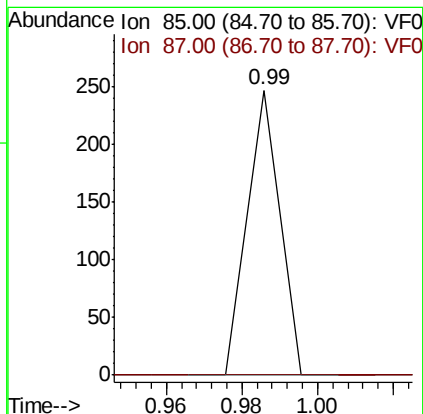
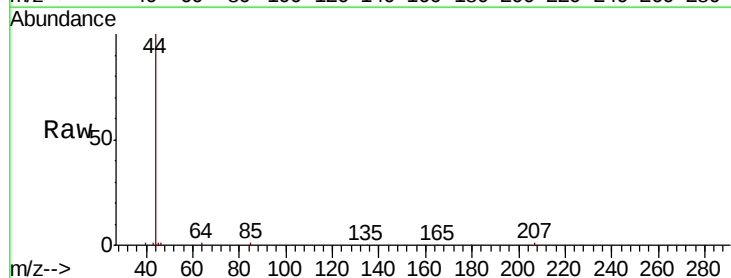
Tot Ion:168 Resp: 87131
 Ion Ratio Lower Upper
 168 100
 99 78.7 63.3 94.9

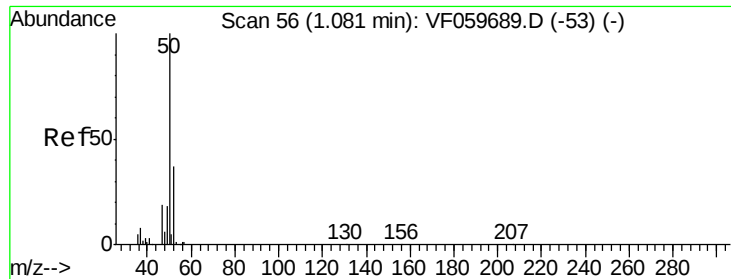


#2

Dichlorodifluoromethane
 Concen: Below Cal
 RT: 0.99 min Scan# 46
 Delta R.T. 0.00 min
 Lab File: VF059826.D
 Acq: 3 Aug 2018 4:52

Tgt Ion: 85 Resp: 146
 Ion Ratio Lower Upper
 85 100
 87 0.0 15.3 45.8#





#3

Chloromethane

Concen: Below Cal

RT: 1.08 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF059826.D

Acq: 3 Aug 2018 4:52

Instrument :

MSVOA_F

ClientSampleId :

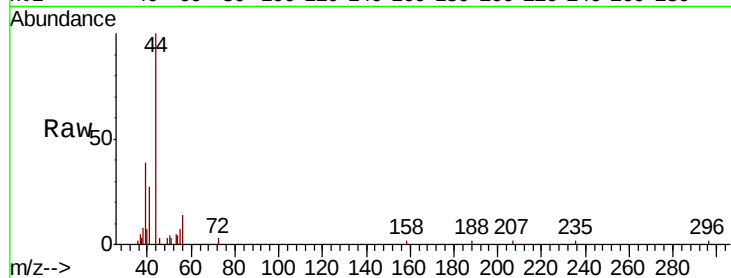
NORTHLAWN-PRECHAR-AREA-3-B

Tot Ion: 50 Resp: 121

Ion Ratio Lower Upper

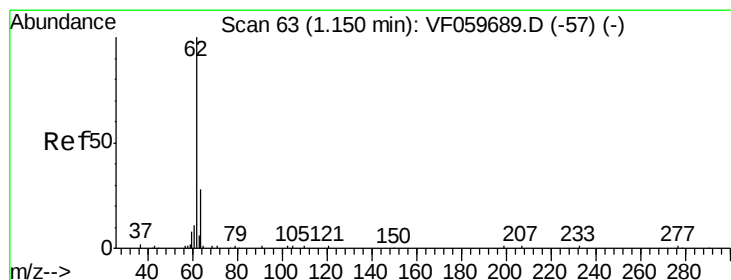
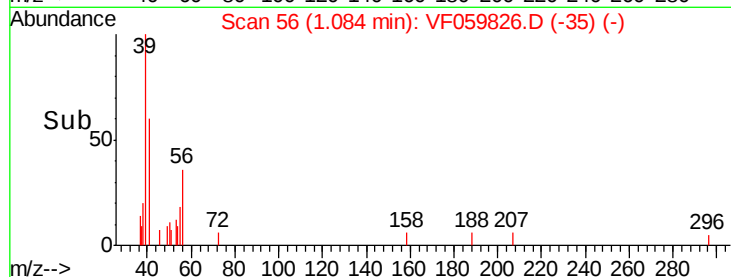
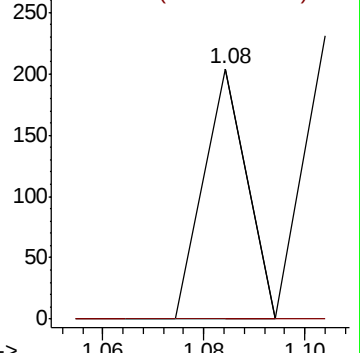
50 100

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



#4

Vinyl Chloride

Concen: Below Cal

RT: 1.17 min Scan# 65

Delta R.T. 0.02 min

Lab File: VF059826.D

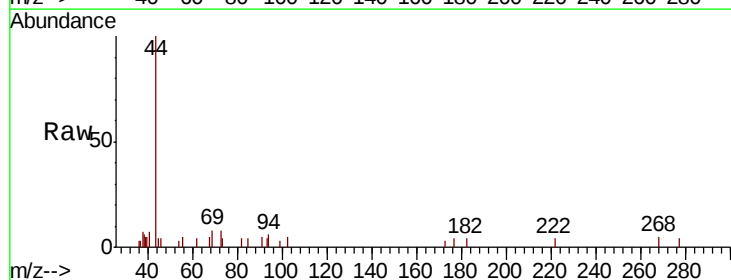
Acq: 3 Aug 2018 4:52

Tgt Ion: 62 Resp: 141

Ion Ratio Lower Upper

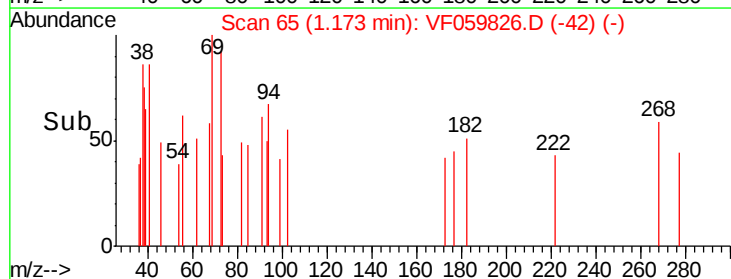
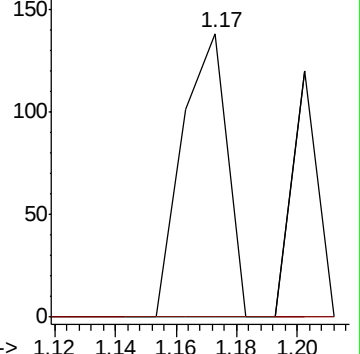
62 100

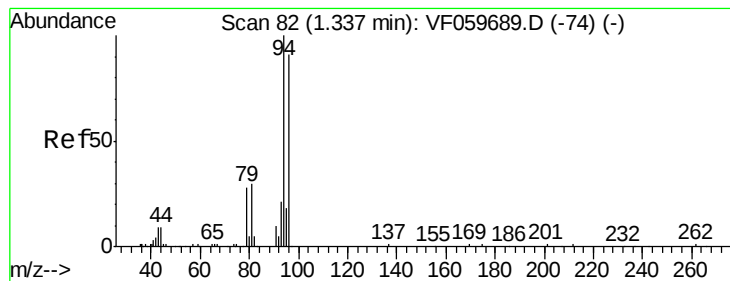
64 0.0 22.6 33.8#



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: 1.35 min Scan# 83

Delta R.T. 0.01 min

Lab File: VF059826.D

Acq: 3 Aug 2018 4:52

Instrument :

MSVOA_F

ClientSampleId :

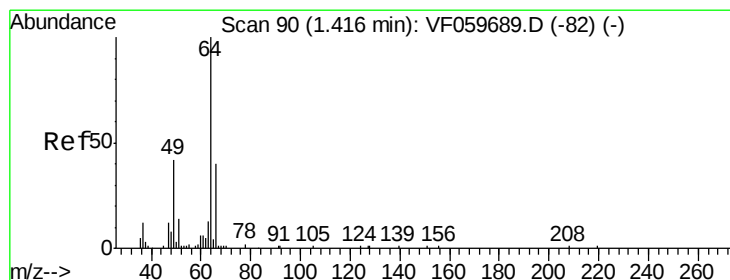
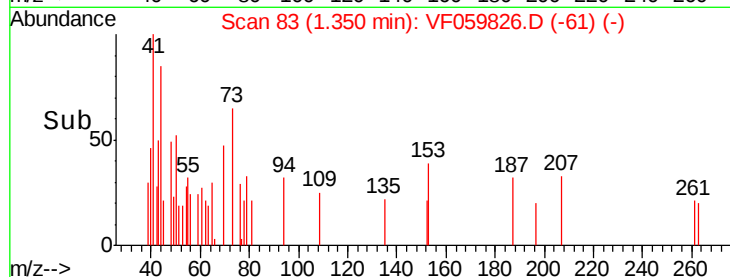
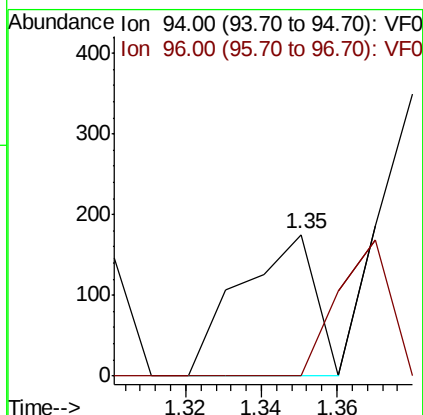
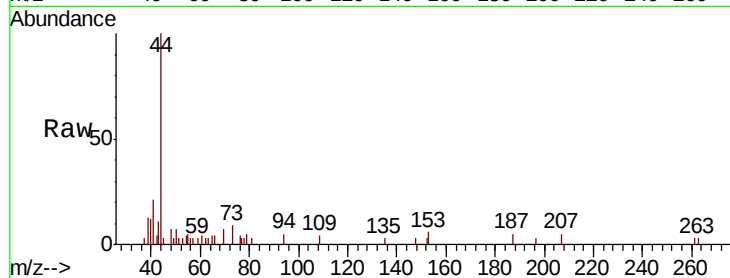
NORTHLAWN-PRECHAR-AREA-3-B

Tot Ion: 94 Resp: 241

Ion Ratio Lower Upper

94 100

96 0.0 73.6 110.4#



#6

Chloroethane

Concen: Below Cal

RT: 1.47 min Scan# 95

Delta R.T. 0.05 min

Lab File: VF059826.D

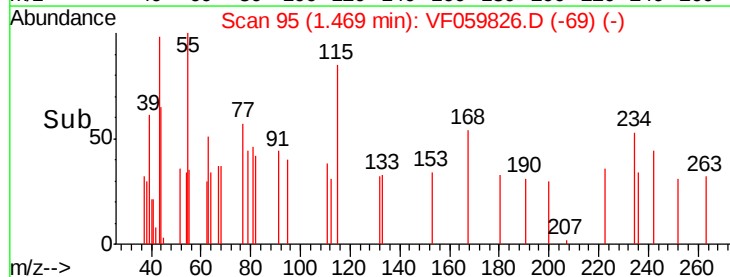
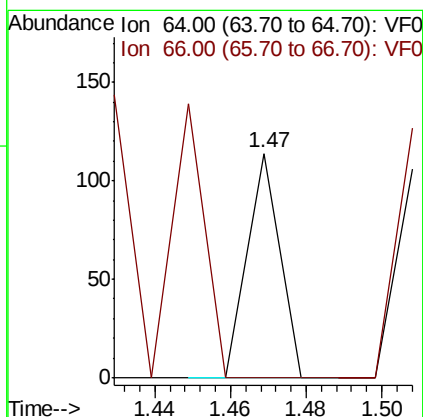
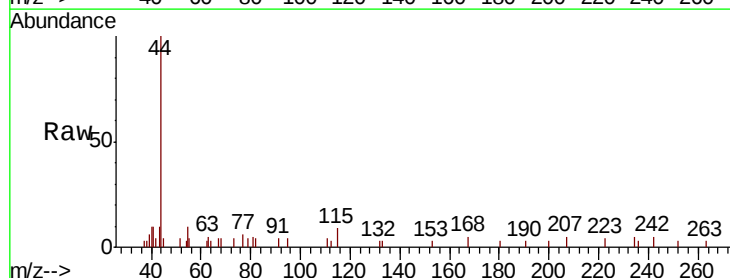
Acq: 3 Aug 2018 4:52

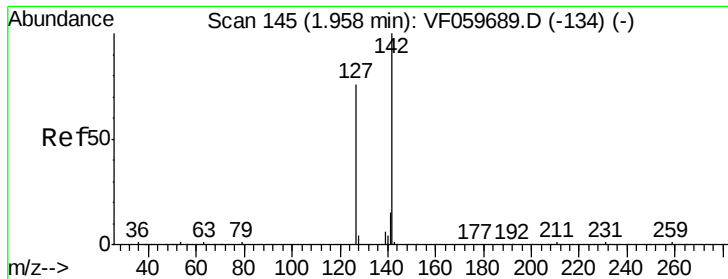
Tgt Ion: 64 Resp: 67

Ion Ratio Lower Upper

64 100

66 0.0 32.6 49.0#





#10

Methyl Iodide

Concen: Below Cal

RT: 1.99 min Scan# 148

Delta R.T. 0.03 min

Lab File: VF059826.D

Acq: 3 Aug 2018 4:52

Instrument :

MSVOA_F

ClientSampleId :

NORTHLAWN-PRECHAR-AREA-3-B

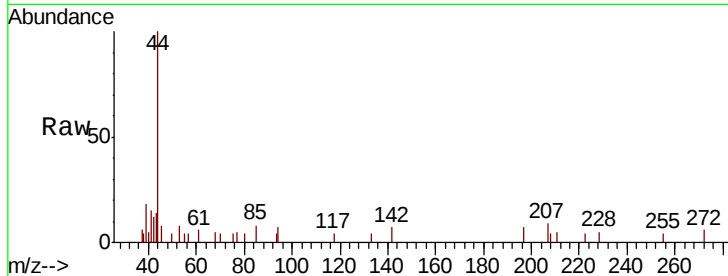
Tot Ion:142 Resp: 108

Ion Ratio Lower Upper

142 100

127 0.0 60.6 91.0#

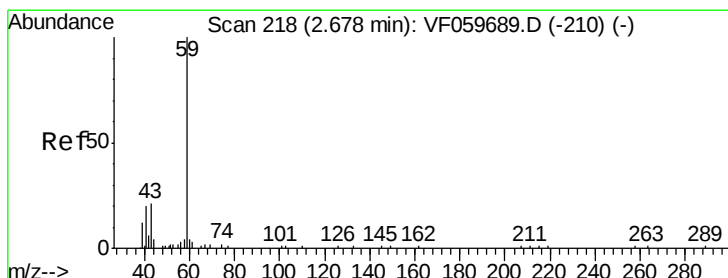
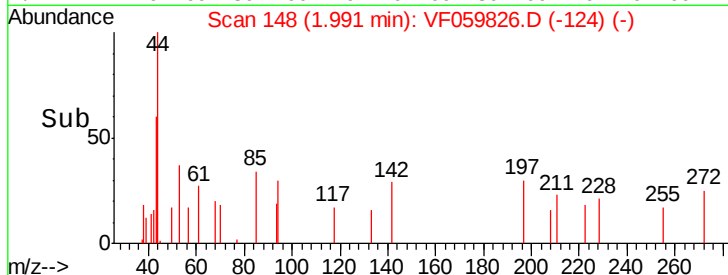
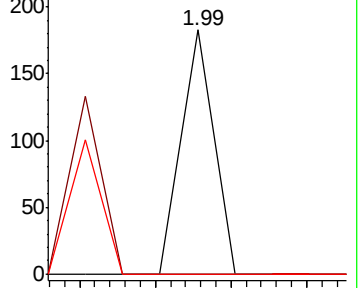
141 0.0 12.0 18.0#



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: 2.276 ug/l

RT: 2.70 min Scan# 220

Delta R.T. 0.02 min

Lab File: VF059826.D

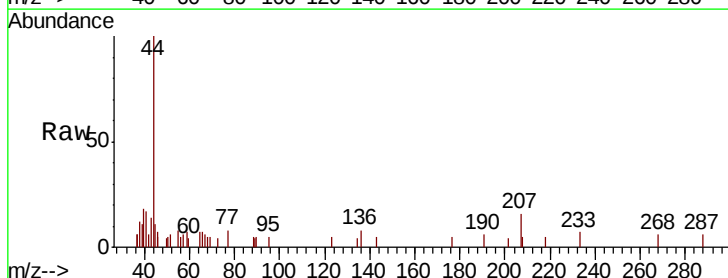
Acq: 3 Aug 2018 4:52

Tgt Ion: 59 Resp: 235

Ion Ratio Lower Upper

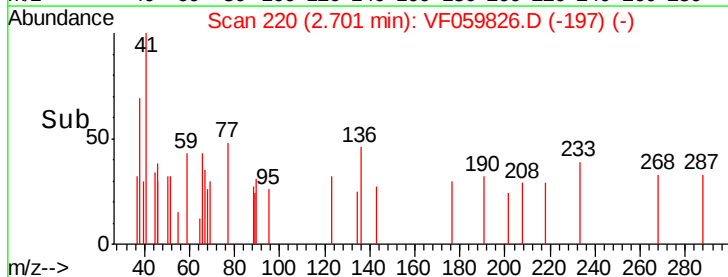
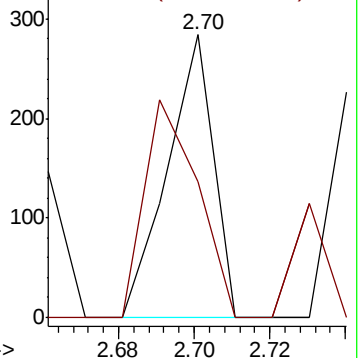
59 100

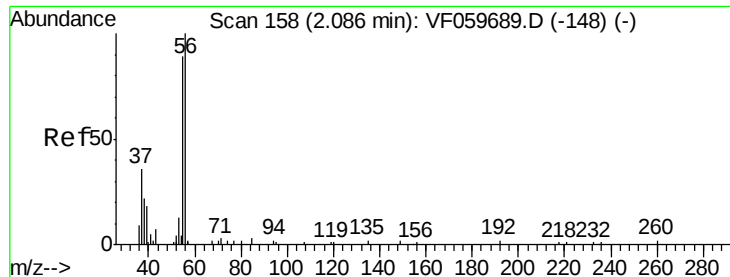
57 48.2 7.6 11.4#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0





#13

Acrolein

Concen: 25.798 ug/l

RT: 2.08 min Scan# 157

Delta R.T. -0.01 min

Lab File: VF059826.D

Acq: 3 Aug 2018 4:52

Instrument :

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ClientSampleId :

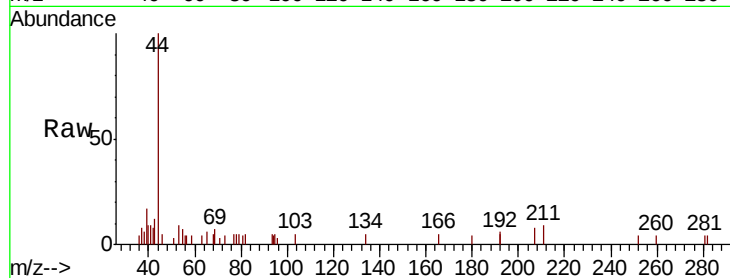
NORTHLAWN-PRECHAR-AREA-3-B

Tot Ion: 56 Resp: 344

Ion Ratio Lower Upper

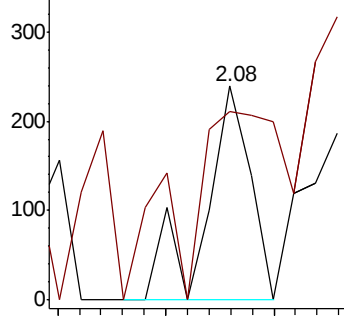
56 100

55 88.3 73.2 109.8

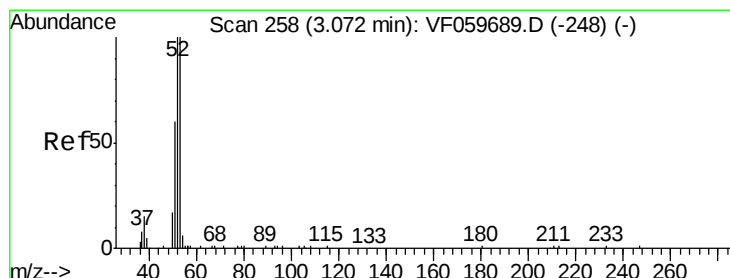
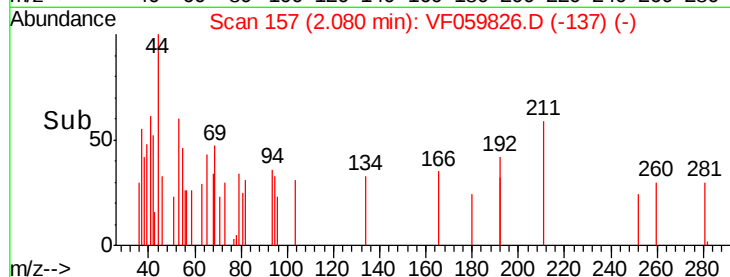


Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



Time-->



#15

Acrylonitrile

Concen: 5.033 ug/l

RT: 3.06 min Scan# 256

Delta R.T. -0.02 min

Lab File: VF059826.D

Acq: 3 Aug 2018 4:52

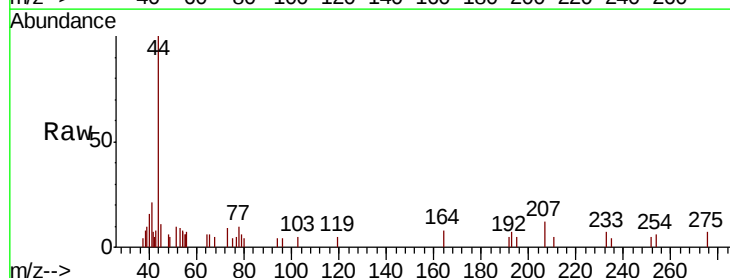
Tgt Ion: 53 Resp: 503

Ion Ratio Lower Upper

53 100

52 0.0 80.3 120.5#

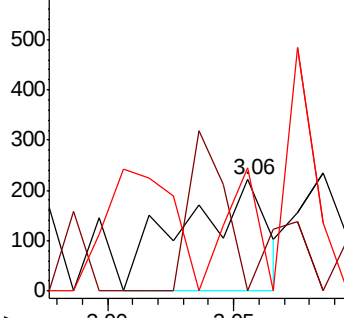
51 111.3 49.4 74.0#



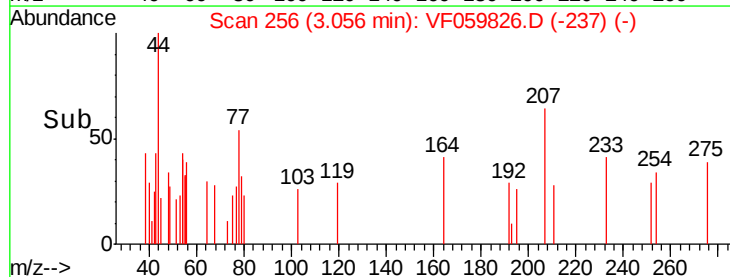
Abundance Ion 53.00 (52.70 to 53.70): VF0

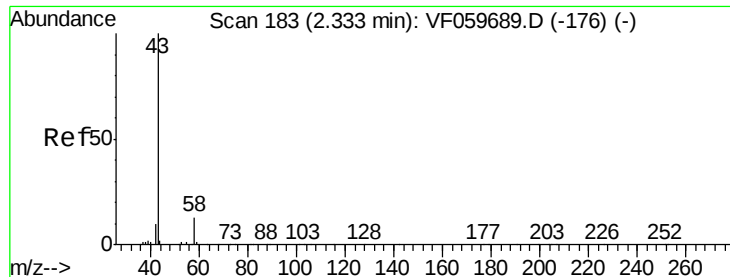
Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



Time-->





#16

Acetone

Concen: 5.535 ug/l

RT: 2.34 min Scan# 183

Delta R.T. 0.00 min

Lab File: VF059826.D

Acq: 3 Aug 2018 4:52

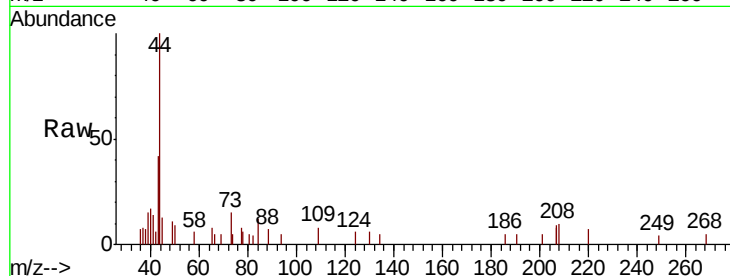
Instrument :
MSVOA_F
ClientSampleId :
NORTHLAWN-PRECHAR-AREA-3-B

Tot Ion: 43 Resp: 1559

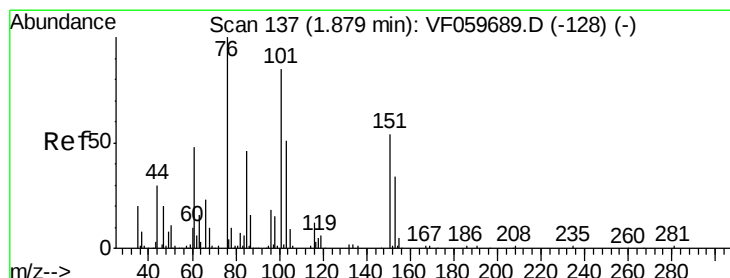
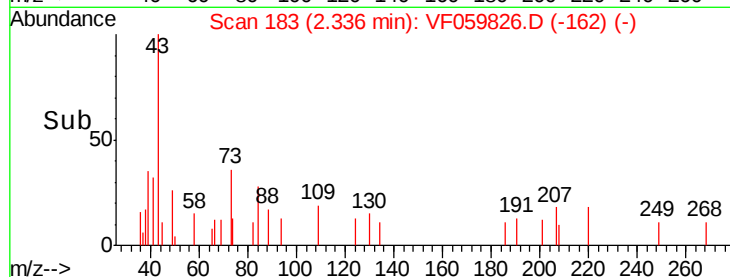
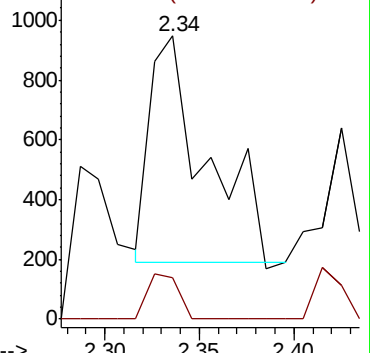
Ion Ratio Lower Upper

43 100

58 14.8 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: 1.86 min Scan# 135

Delta R.T. -0.02 min

Lab File: VF059826.D

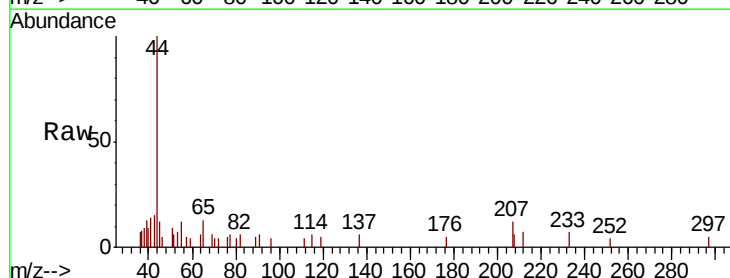
Acq: 3 Aug 2018 4:52

Tgt Ion: 76 Resp: 80

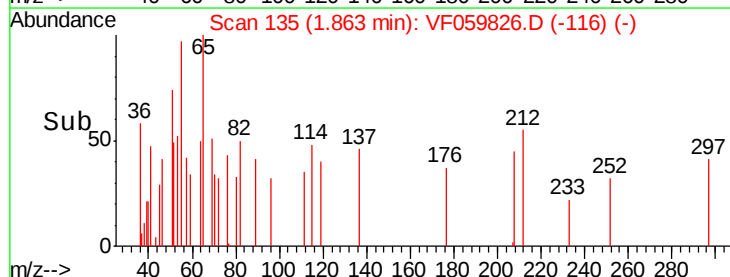
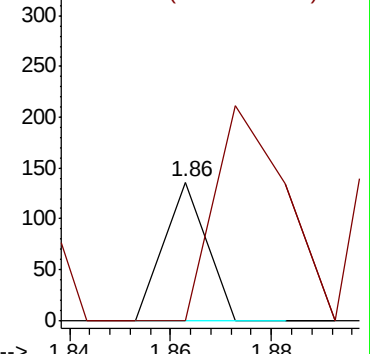
Ion Ratio Lower Upper

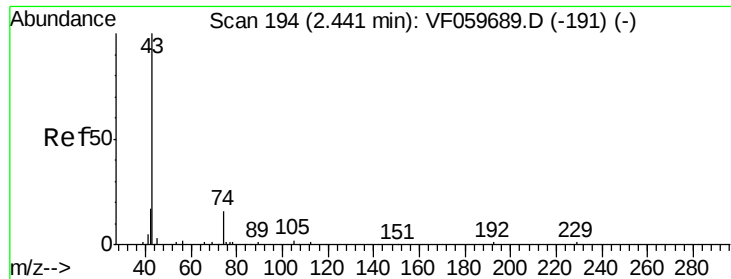
76 100

78 0.0 8.9 13.3#



Abundance Ion 76.00 (75.70 to 76.70): VF0
Ion 78.00 (77.70 to 78.70): VF0

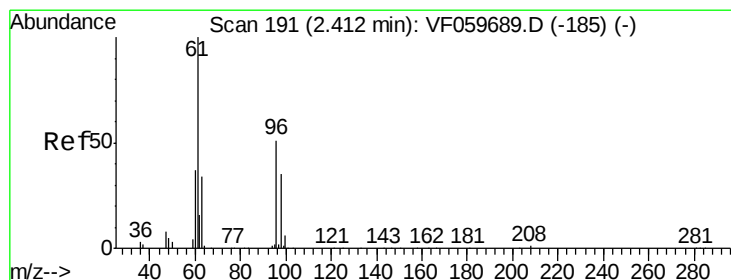
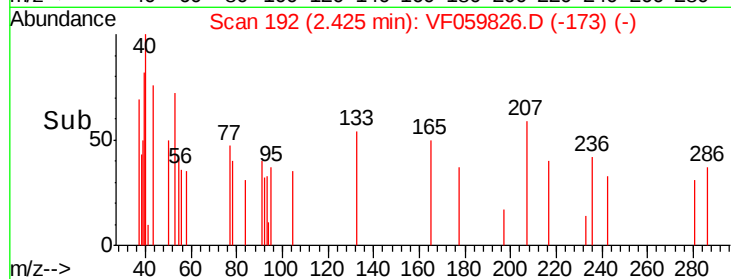
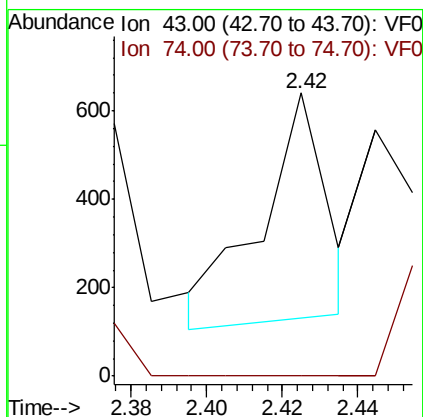
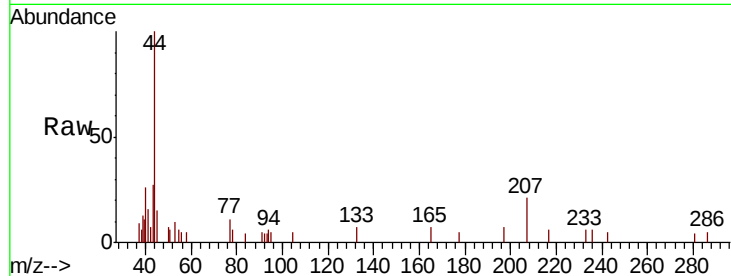




#18
Methvl Acetate
Concen: Below Cal
RT: 2.42 min Scan# 192
Delta R.T. -0.02 min
Lab File: VF059826.D
Acq: 3 Aug 2018 4:52

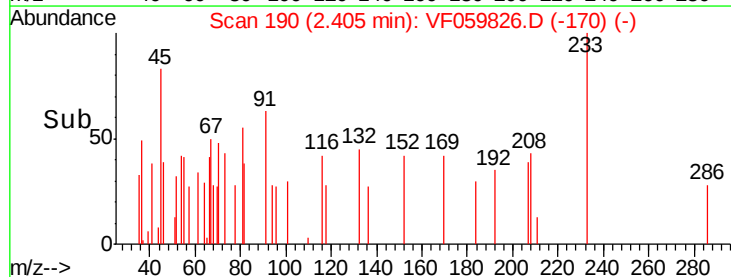
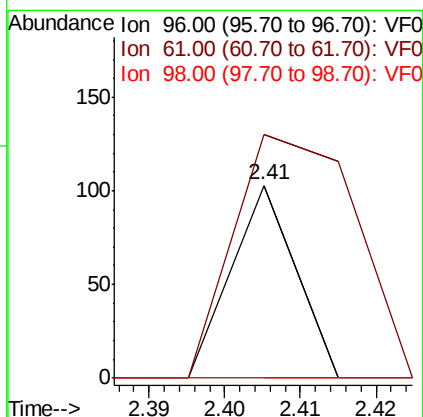
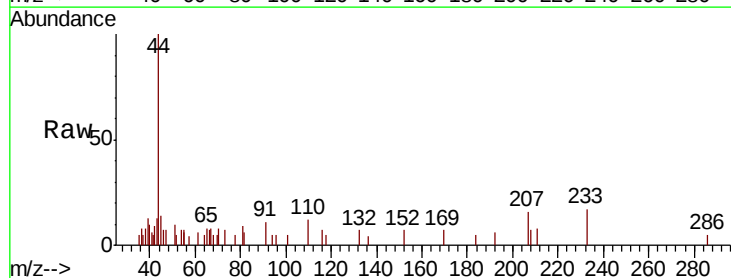
Instrument :
MSVOA_F
ClientSampleId :
NORTHLAWN-PRECHAR-AREA-3-B

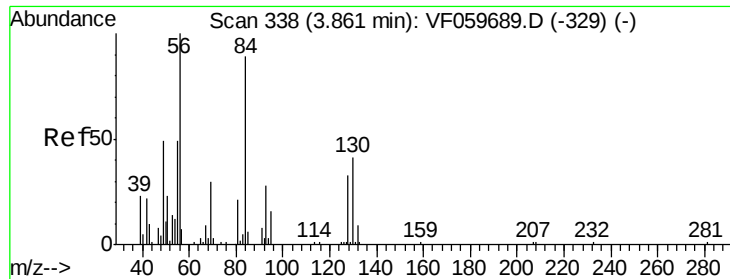
Tot Ion: 43 Resp: 613
Ion Ratio Lower Upper
43 100
74 0.0 11.8 17.6#



#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 2.41 min Scan# 190
Delta R.T. -0.01 min
Lab File: VF059826.D
Acq: 3 Aug 2018 4:52

Tgt Ion: 96 Resp: 61
Ion Ratio Lower Upper
96 100
61 126.2 157.4 236.0#
98 0.0 55.0 82.4#

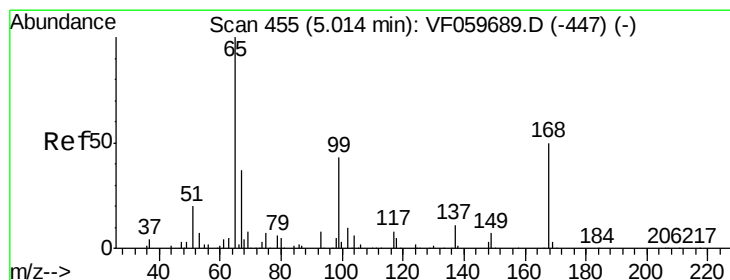
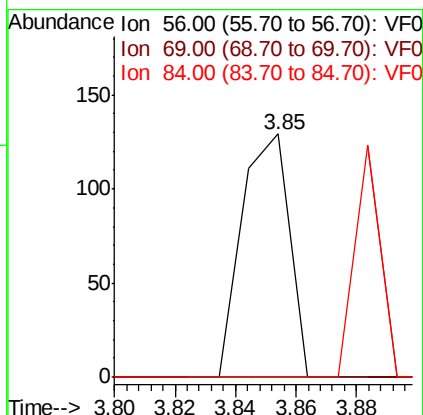
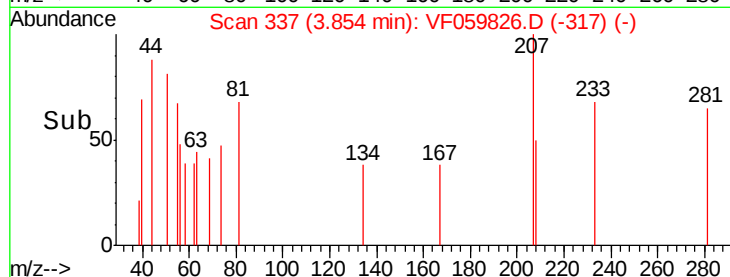
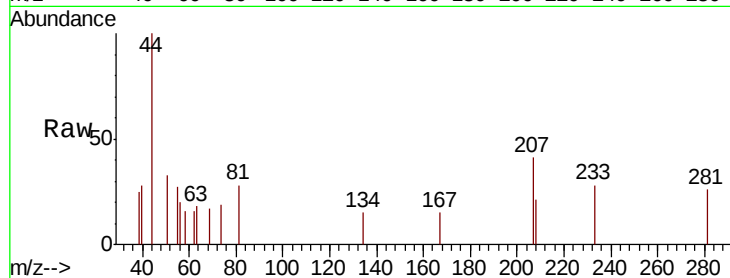




#31
Cyclohexane
Concen: Below Cal
RT: 3.85 min Scan# 337
Delta R.T. -0.01 min
Lab File: VF059826.D
Acq: 3 Aug 2018 4:52

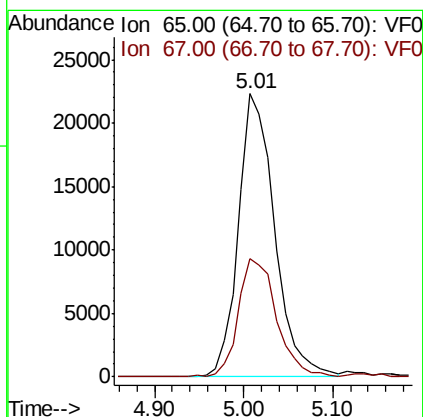
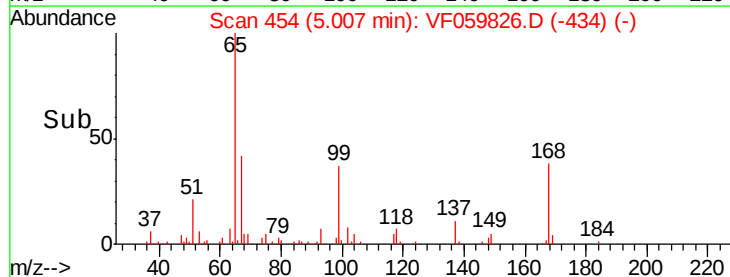
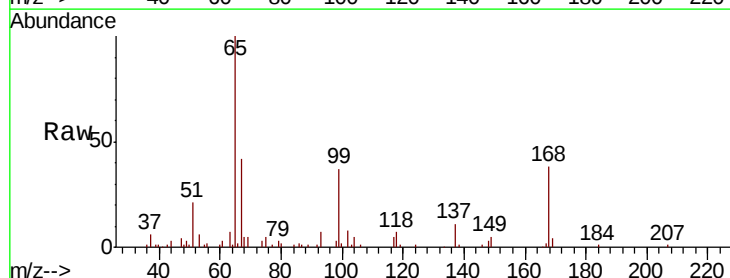
Instrument :
MSVOA_F
ClientSampleId :
NORTHLAWN-PRECHAR-AREA-3-B

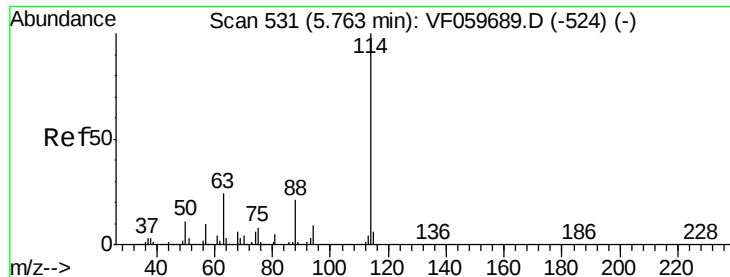
Tot Ion: 56 Resp: 142
Ion Ratio Lower Upper
56 100
69 0.0 23.7 35.5#
84 0.0 71.1 106.7#



#33
1,2-Dichloroethane-d4
Concen: 40.302 ug/l
RT: 5.01 min Scan# 454
Delta R.T. -0.01 min
Lab File: VF059826.D
Acq: 3 Aug 2018 4:52

Tgt Ion: 65 Resp: 63110
Ion Ratio Lower Upper
65 100
67 41.7 0.0 84.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.76 min Scan# 530

Delta R.T. -0.01 min

Lab File: VF059826.D

Acq: 3 Aug 2018 4:52

Instrument :

MSVOA_F

ClientSampleId :

NORTHLAWN-PRECHAR-AREA-3-B

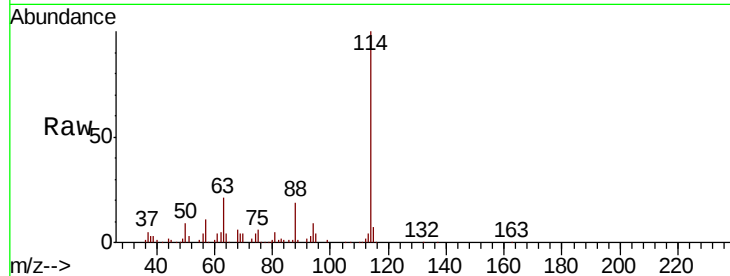
Tot Ion:114 Resp: 117874

Ion Ratio Lower Upper

114 100

63 21.0 0.0 47.4

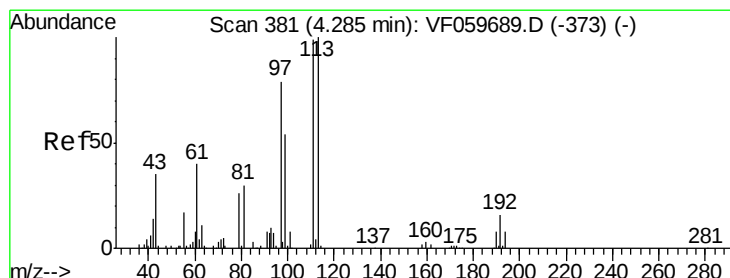
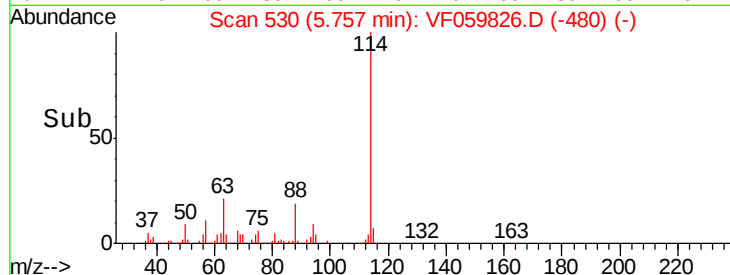
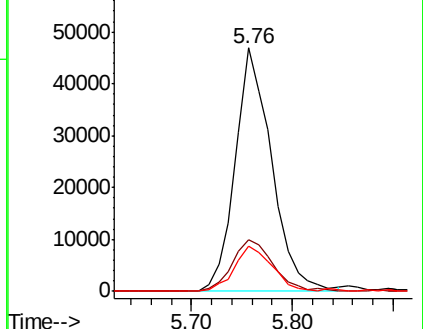
88 18.7 0.0 41.2



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: 42.699 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.00 min

Lab File: VF059826.D

Acq: 3 Aug 2018 4:52

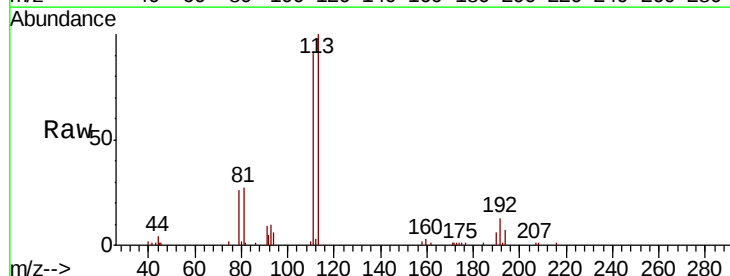
Tgt Ion:113 Resp: 52276

Ion Ratio Lower Upper

113 100

111 90.6 79.0 118.4

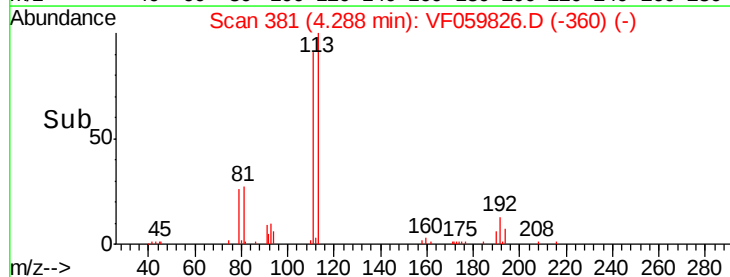
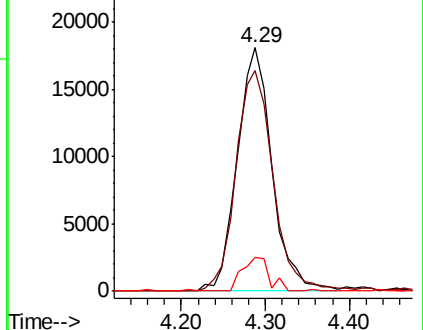
192 13.6 13.2 19.8

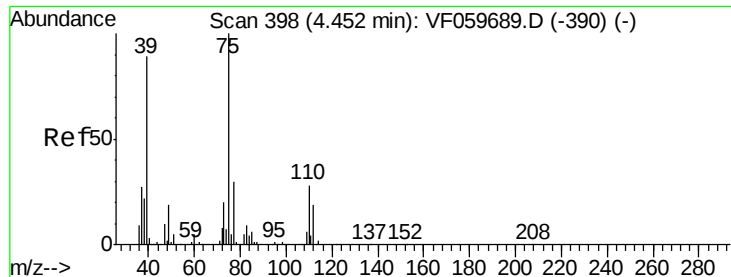


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

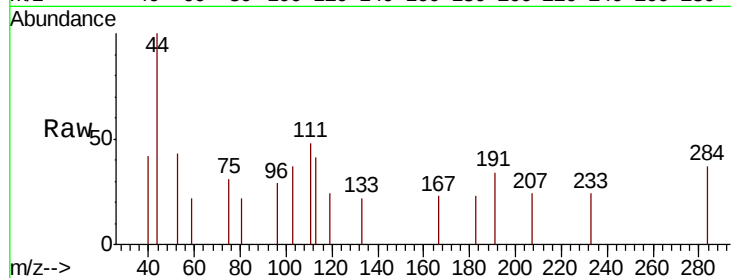




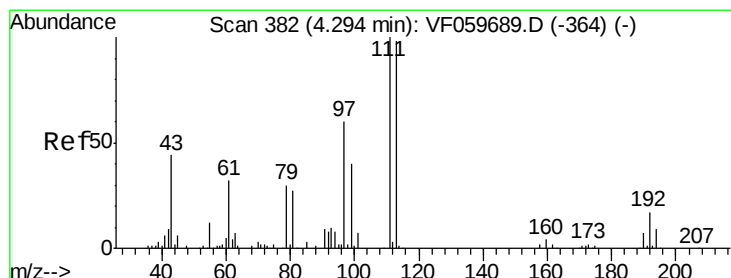
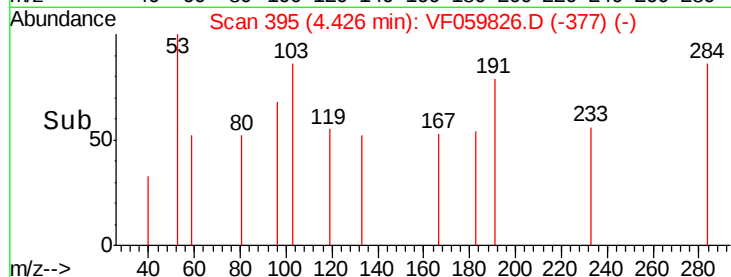
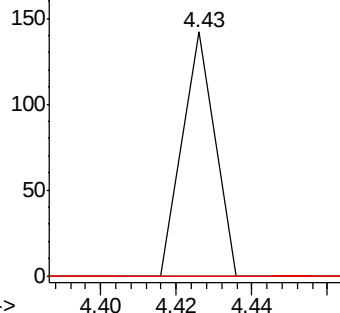
#36
1,1-Dichloropropene
Concen: Below Cal
RT: 4.43 min Scan# 395
Delta R.T. -0.03 min
Lab File: VF059826.D
Acq: 3 Aug 2018 4:52

Instrument :
MSVOA_F
ClientSampleId :
NORTHLAWN-PRECHAR-AREA-3-B

Tot Ion: 75 Resp: 84
Ion Ratio Lower Upper
75 100
110 155.6 14.0 41.9#
77 0.0 24.2 36.2#

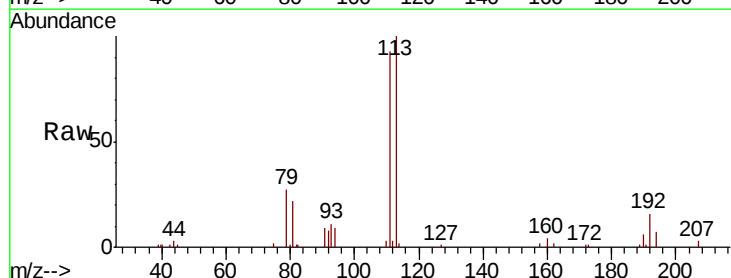


Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 110.00 (109.70 to 110.70): V
Ion 77.00 (76.70 to 77.70): VF0

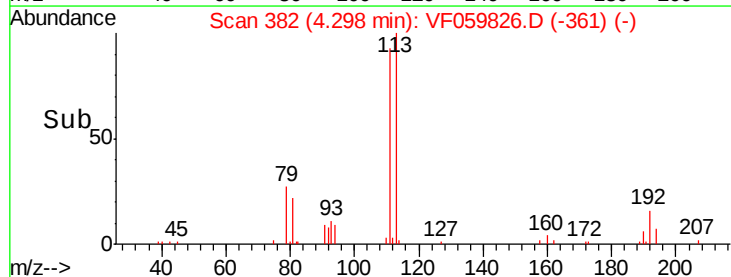
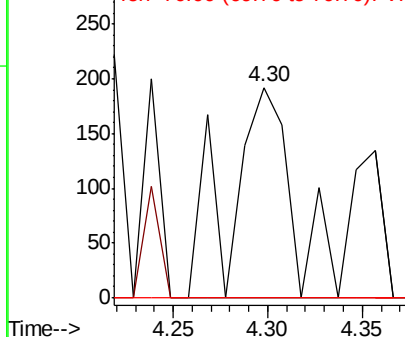


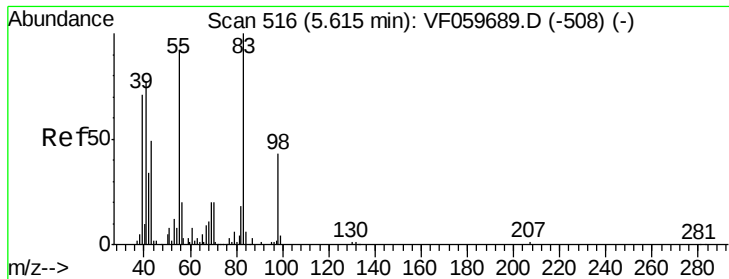
#37
Ethyl Acetate
Concen: Below Cal
RT: 4.30 min Scan# 382
Delta R.T. 0.00 min
Lab File: VF059826.D
Acq: 3 Aug 2018 4:52

Tgt Ion: 43 Resp: 448
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

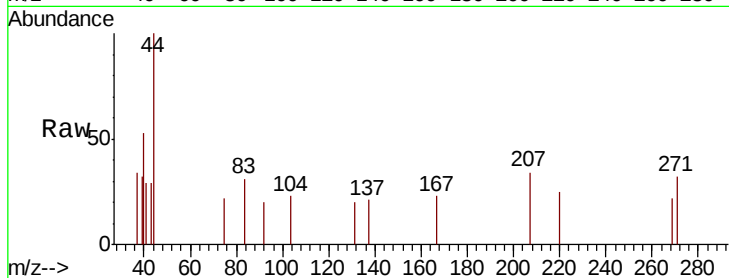




#39
Methylcyclohexane
Concen: Below Cal
RT: 5.55 min Scan# 509
Delta R.T. -0.07 min
Lab File: VF059826.D
Acq: 3 Aug 2018 4:52

Instrument :
MSVOA_F
ClientSampleId :
NORTHLAWN-PRECHAR-AREA-3-B

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



Abundance

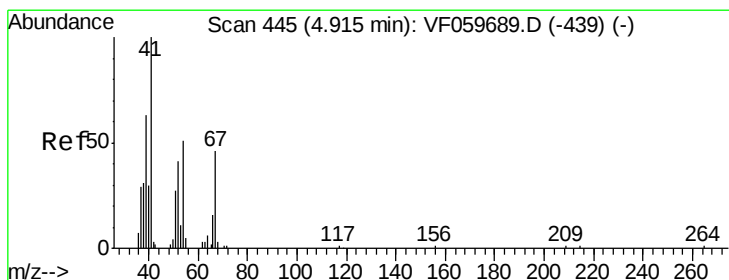
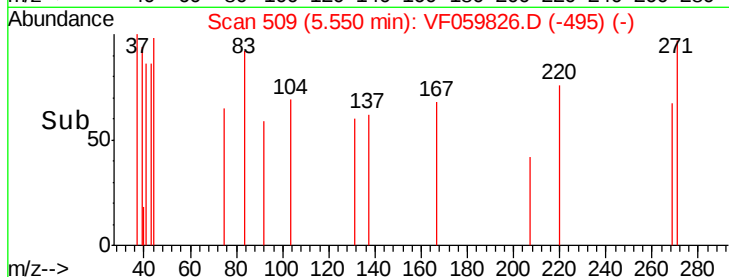
Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

5.55

Time-->



#41
Methacrylonitrile
Concen: Below Cal
RT: 4.90 min Scan# 443
Delta R.T. -0.02 min
Lab File: VF059826.D
Acq: 3 Aug 2018 4:52

Tgt Ion	Ratio	Lower	Upper
41	100		
39	0.0	55.2	82.8#
67	0.0	36.2	54.2#
52	78.8	37.7	56.5#

Abundance

Ion 41.00 (40.70 to 41.70): VF0

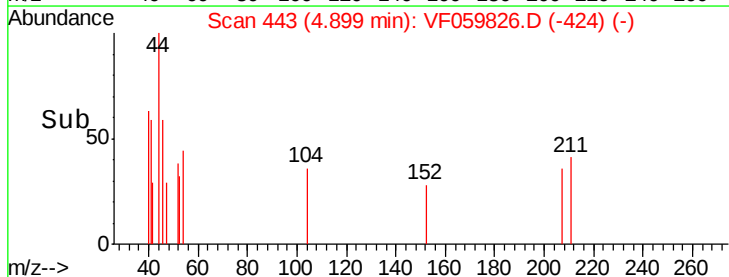
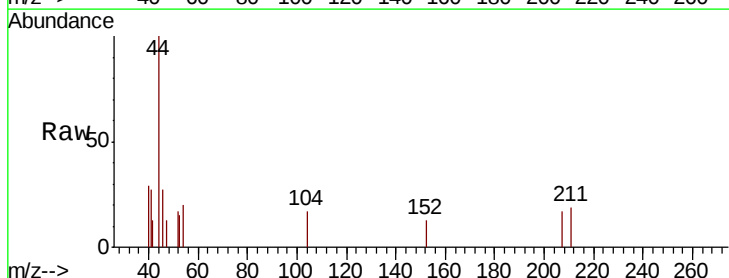
Ion 39.00 (38.70 to 39.70): VF0

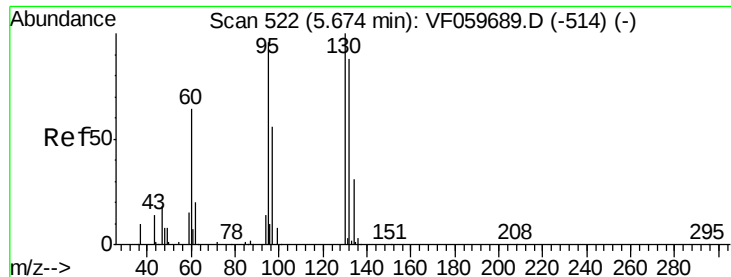
Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

4.90

Time-->

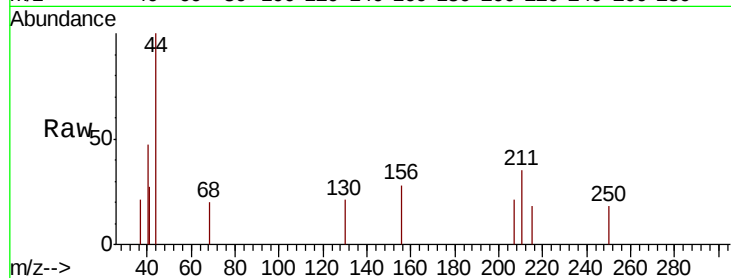




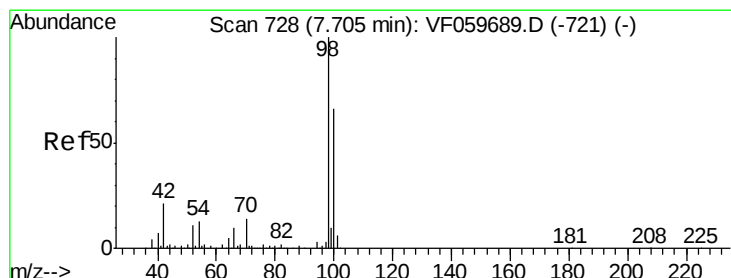
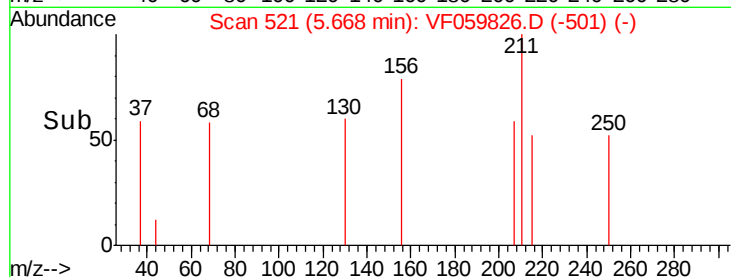
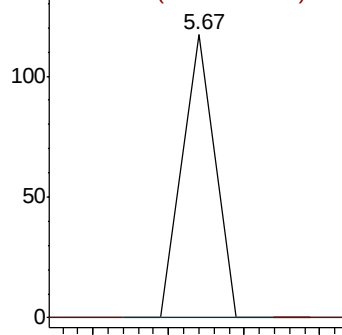
#44
 Trichloroethene
 Concen: Below Cal
 RT: 5.67 min Scan# 521
 Delta R.T. -0.01 min
 Lab File: VF059826.D
 Acq: 3 Aug 2018 4:52

Instrument :
 MSVOA_F
 ClientSampleId :
 NORTHLAWN-PRECHAR-AREA-3-B

Tot Ion:130 Resp: 69
 Ion Ratio Lower Upper
 130 100
 95 0.0 0.0 191.0

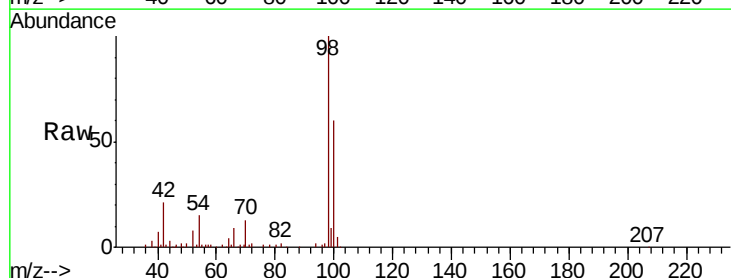


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VF0

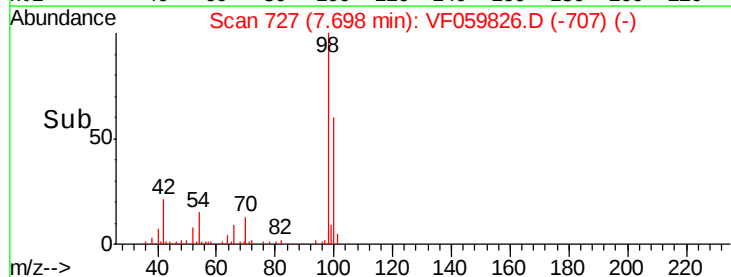
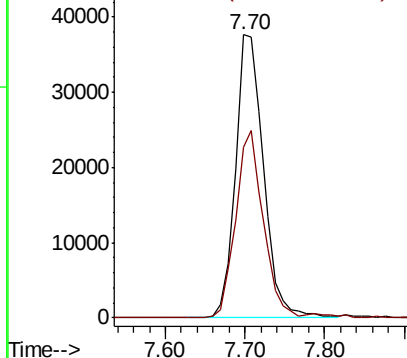


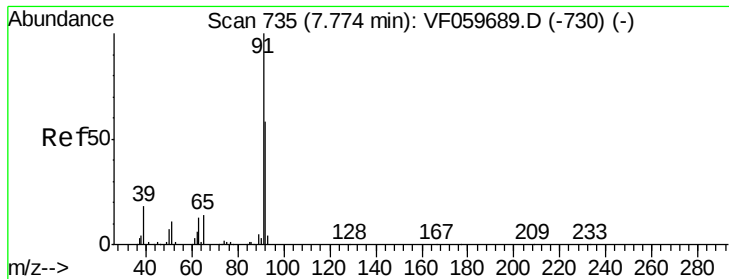
#50
 Toluene-d8
 Concen: 32.359 ug/l
 RT: 7.70 min Scan# 727
 Delta R.T. -0.01 min
 Lab File: VF059826.D
 Acq: 3 Aug 2018 4:52

Tgt Ion: 98 Resp: 92386
 Ion Ratio Lower Upper
 98 100
 100 60.3 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VF0
 Ion 100.00 (99.70 to 100.70): VF





#58

2-Chloroethyl Vinyl ether

Concen: 1.224 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.01 min

Lab File: VF059826.D

Acq: 3 Aug 2018 4:52

Instrument :

MSVOA_F

ClientSampleId :

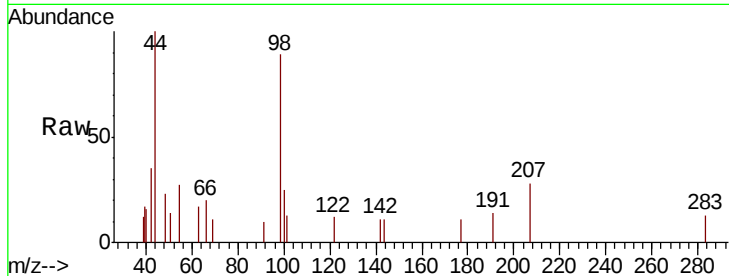
NORTHLAWN-PRECHAR-AREA-3-B

Tot Ion: 63 Resp: 95

Ion Ratio Lower Upper

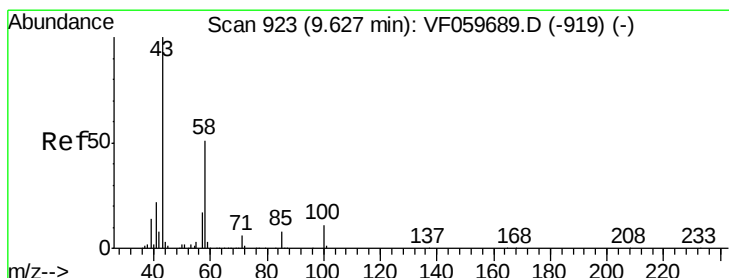
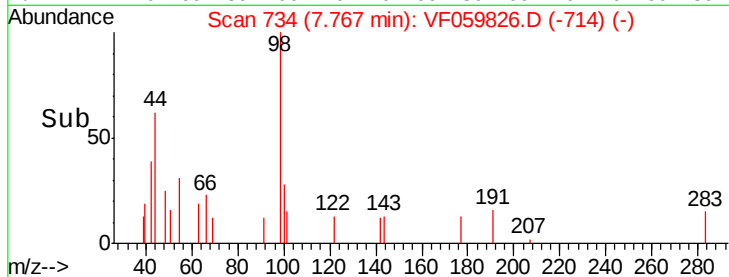
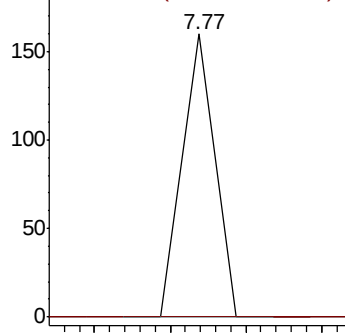
63 100

106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V



#59

2-Hexanone

Concen: 4.417 ug/l

RT: 9.63 min Scan# 923

Delta R.T. 0.00 min

Lab File: VF059826.D

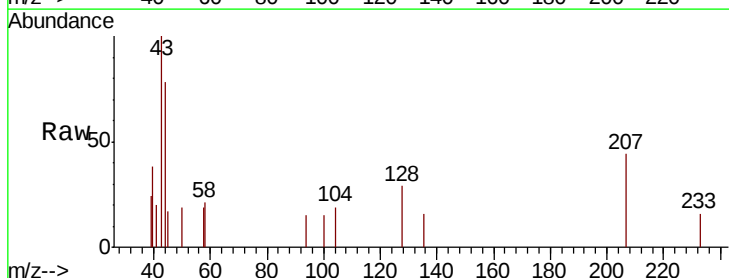
Acq: 3 Aug 2018 4:52

Tgt Ion: 43 Resp: 1898

Ion Ratio Lower Upper

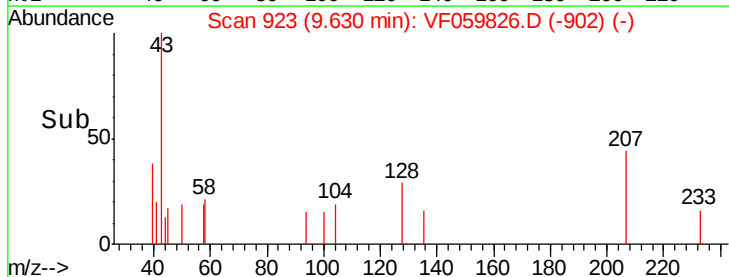
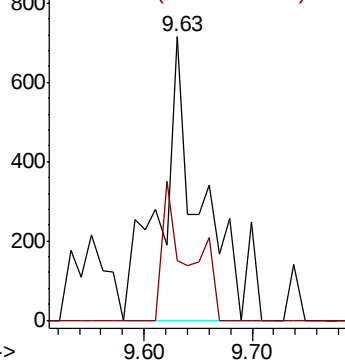
43 100

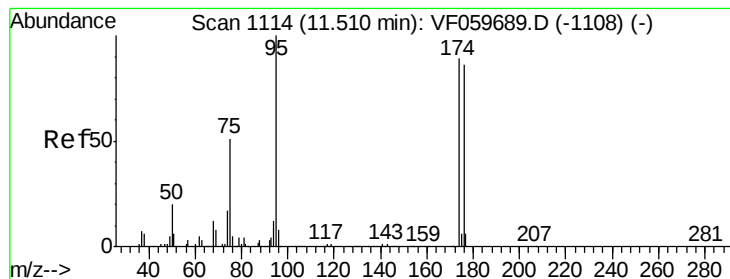
58 21.0 23.3 69.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#62

4-Bromofluorobenzene

Concen: 22.659 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VF059826.D

Acq: 3 Aug 2018 4:52

Instrument :

MSVOA_F

ClientSampleId :

NORTHLAWN-PRECHAR-AREA-3-B

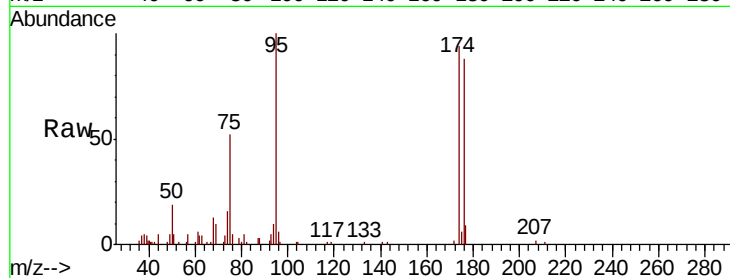
Tot Ion: 95 Resp: 35813

Ion Ratio Lower Upper

95 100

174 93.8 0.0 178.4

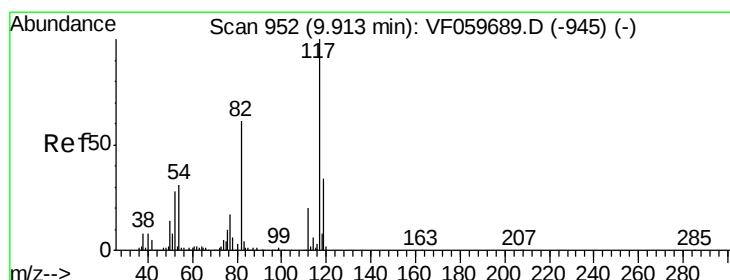
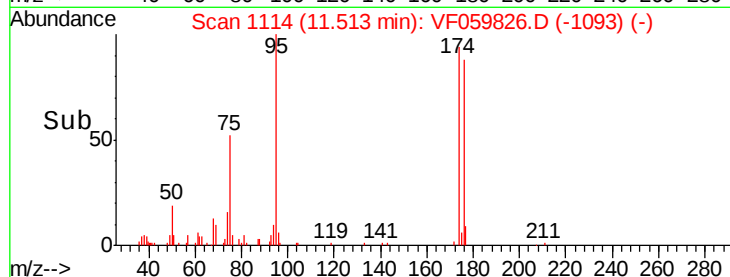
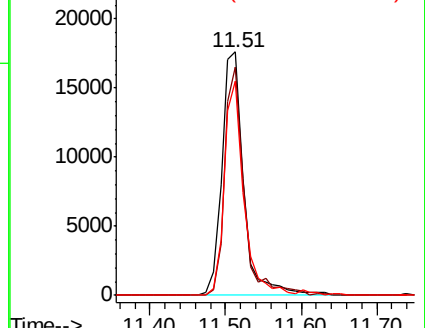
176 87.8 0.0 173.0



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.92 min Scan# 952

Delta R.T. 0.00 min

Lab File: VF059826.D

Acq: 3 Aug 2018 4:52

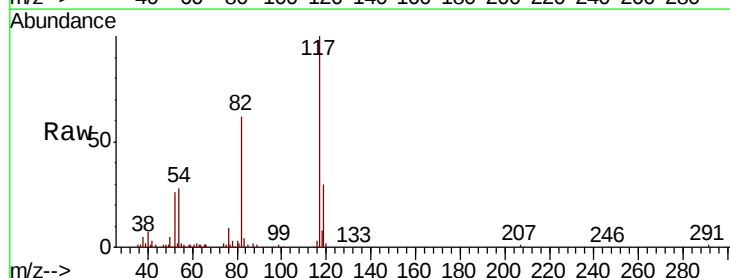
Tgt Ion: 117 Resp: 91530

Ion Ratio Lower Upper

117 100

82 62.5 49.0 73.4

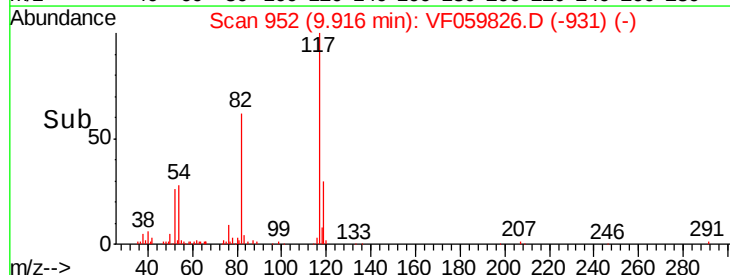
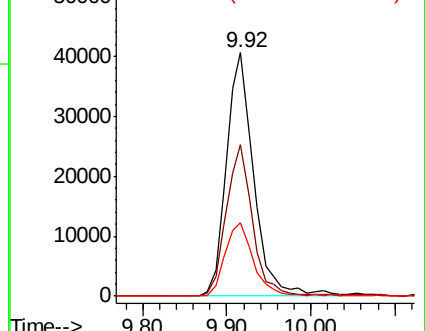
119 30.1 27.3 40.9

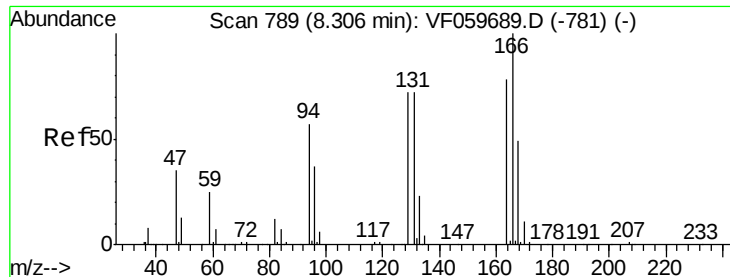


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V





#64

Tetrachloroethene

Concen: Below Cal

RT: 8.32 min Scan# 790

Delta R.T. 0.01 min

Lab File: VF059826.D

Acq: 3 Aug 2018 4:52

Instrument :

MSVOA_F

ClientSampleId :

NORTHLAWN-PRECHAR-AREA-3-B

Tot Ion:164 Resp: 79

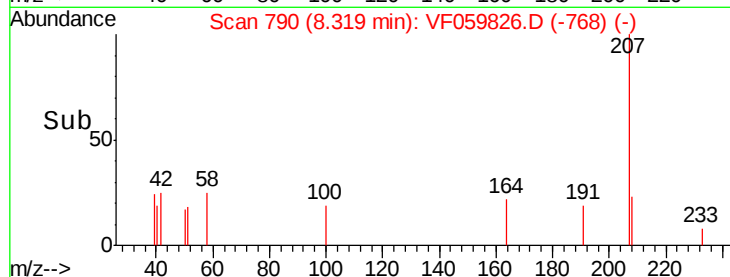
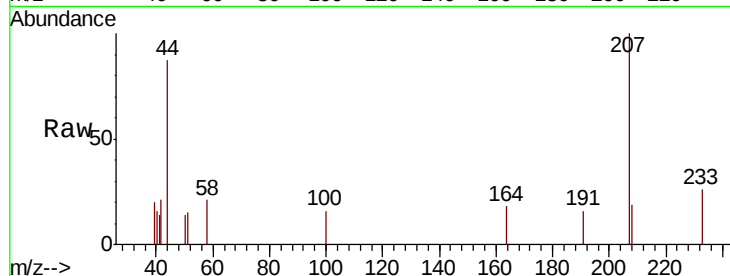
Ion Ratio Lower Upper

164 100

166 0.0 102.1 153.1#

129 0.0 73.8 110.6#

131 0.0 73.1 109.7#

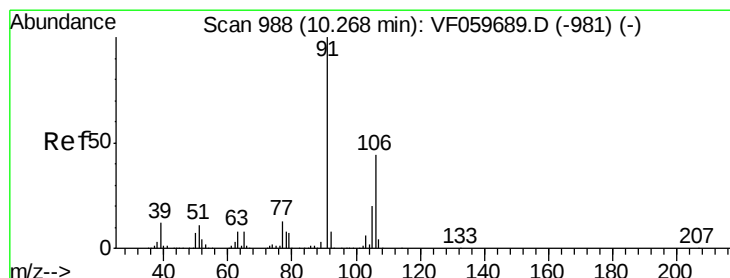
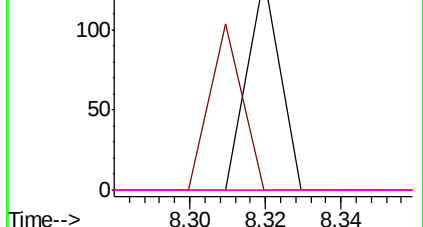


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#68

m/p-Xylenes

Concen: Below Cal

RT: 10.26 min Scan# 987

Delta R.T. -0.01 min

Lab File: VF059826.D

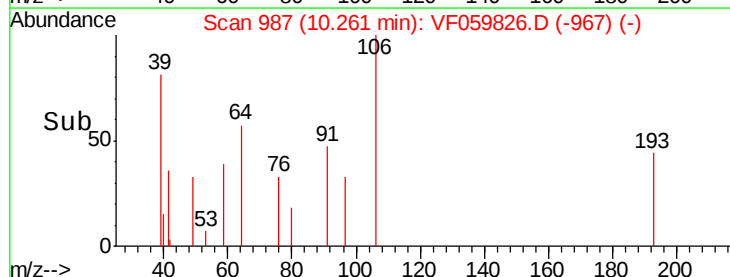
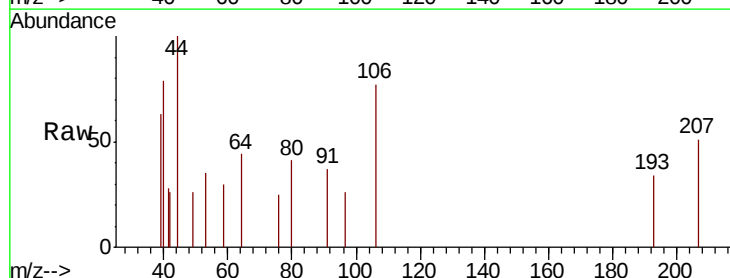
Acq: 3 Aug 2018 4:52

Tgt Ion:106 Resp: 284

Ion Ratio Lower Upper

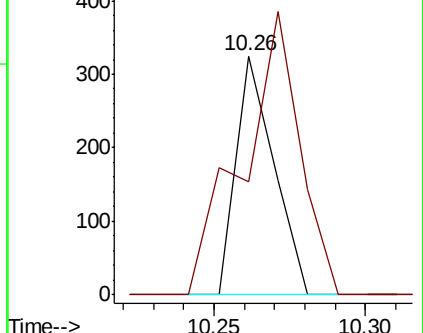
106 100

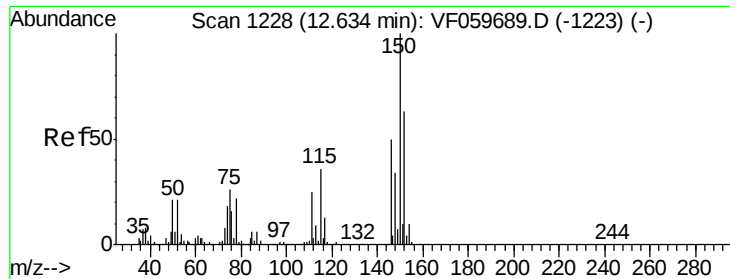
91 47.4 181.7 272.5#



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0



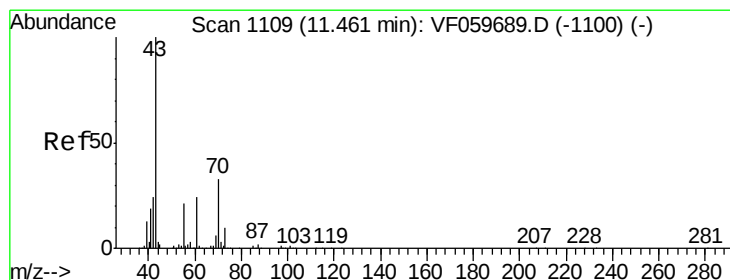
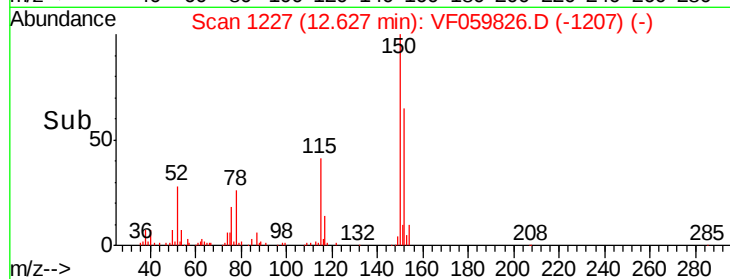
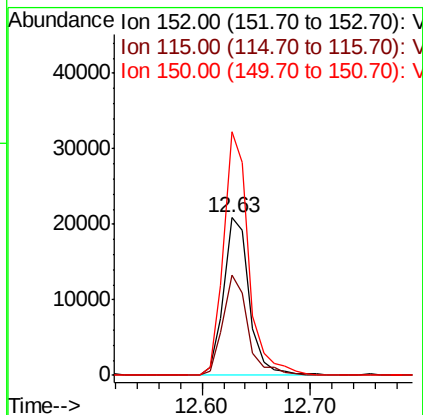
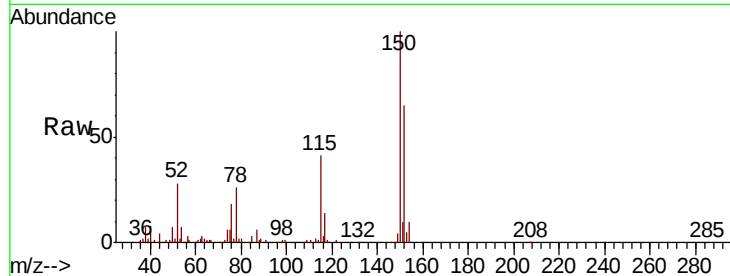


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. -0.01 min
Lab File: VF059826.D
Acq: 3 Aug 2018 4:52

Instrument :
MSVOA_F
ClientSampleId :
NORTHLAWN-PRECHAR-AREA-3-B

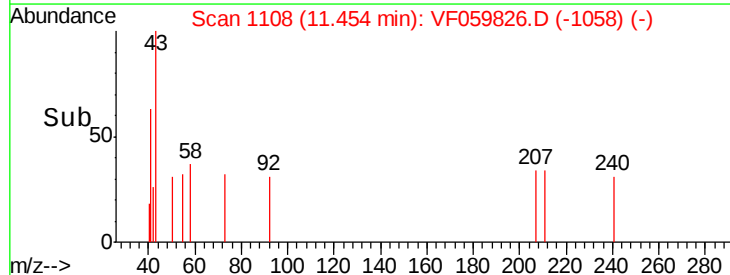
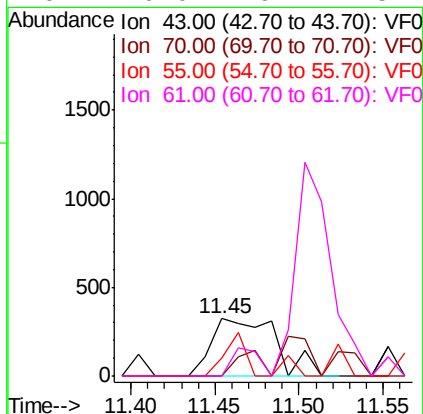
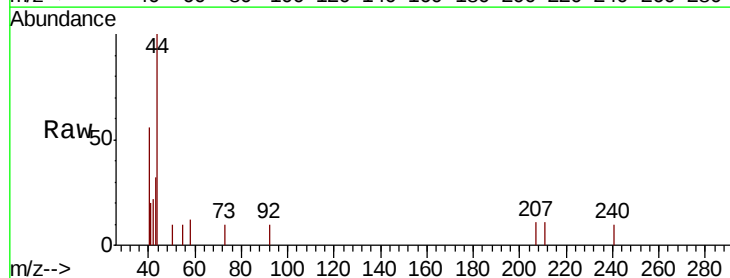
Tot Ion:152 Resp: 34765
Ion Ratio Lower Upper
152 100
115 63.3 28.2 84.6
150 154.5 0.0 316.2

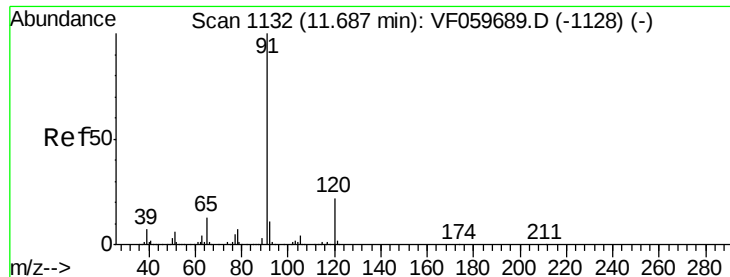


#74

N-ethyl acetate
Concen: 1.505 ug/l
RT: 11.45 min Scan# 1108
Delta R.T. -0.01 min
Lab File: VF059826.D
Acq: 3 Aug 2018 4:52

Tgt Ion: 43 Resp: 866
Ion Ratio Lower Upper
43 100
70 0.0 26.3 39.5#
55 32.0 16.6 25.0#
61 0.0 19.1 28.7#





#78

n-propylbenzene

Concen: Below Cal

RT: 11.68 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VF059826.D

Acq: 3 Aug 2018 4:52

Instrument :

MSVOA_F

ClientSampleId :

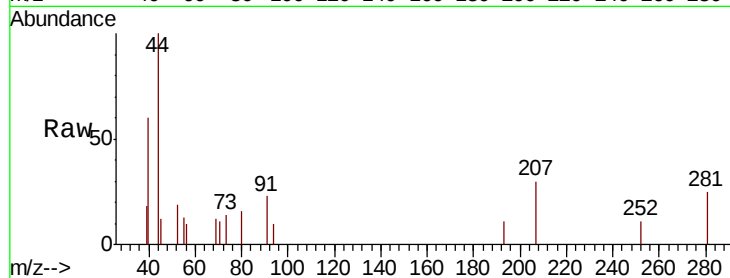
NORTHLAWN-PRECHAR-AREA-3-B

Tot Ion: 91 Resp: 305

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

11.68

250

200

150

100

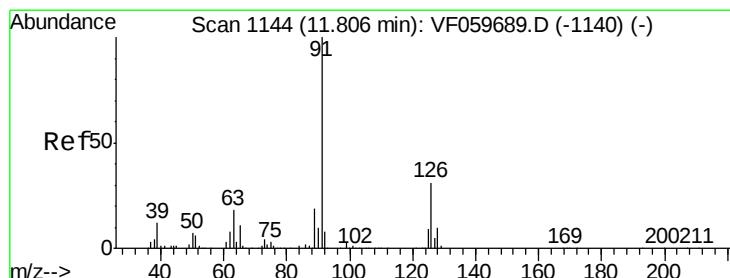
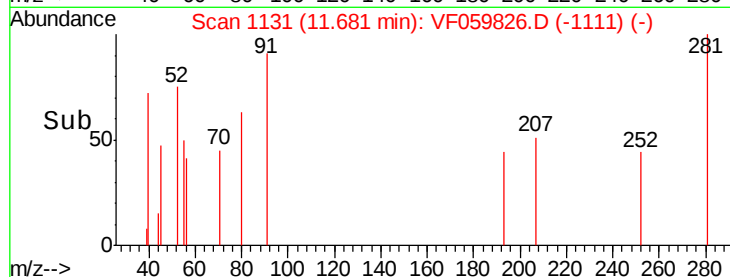
50

0

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: VF059826.D

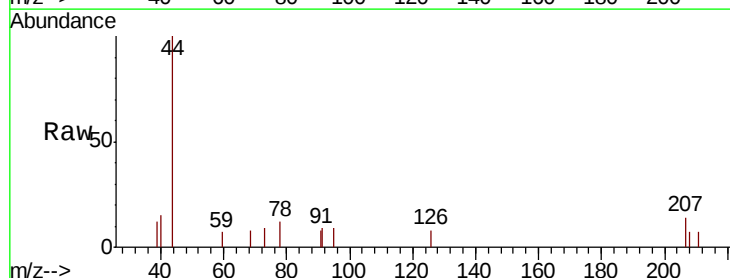
Acq: 3 Aug 2018 4:52

Tgt Ion: 91 Resp: 261

Ion Ratio Lower Upper

91 100

126 46.1 15.4 46.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

300

250

200

150

100

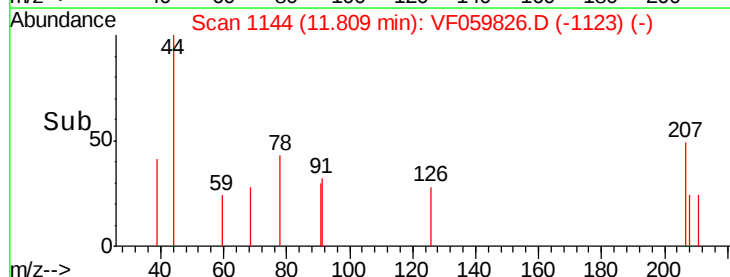
50

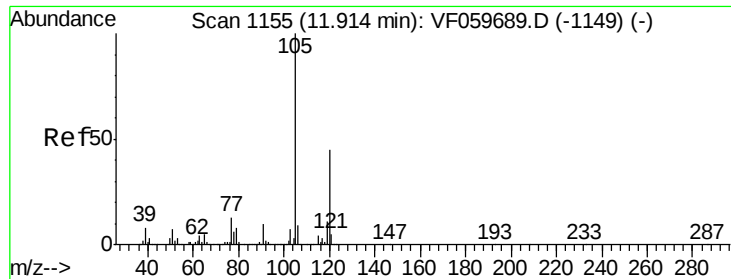
0

11.80

11.85

Time-->

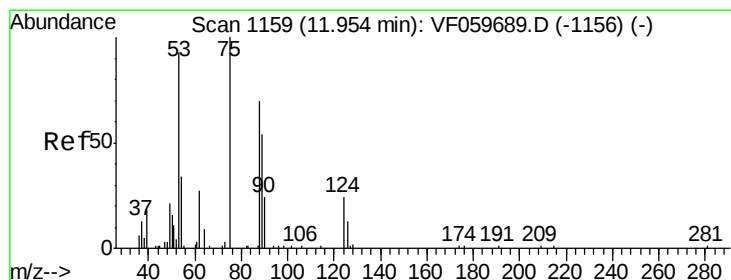
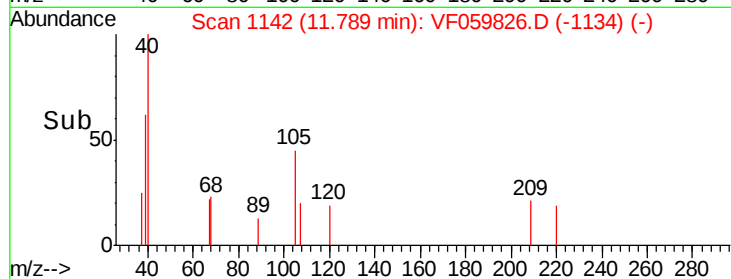
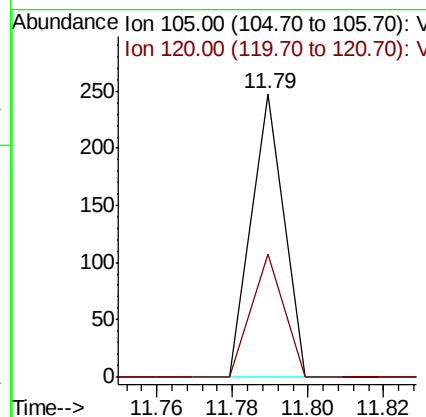
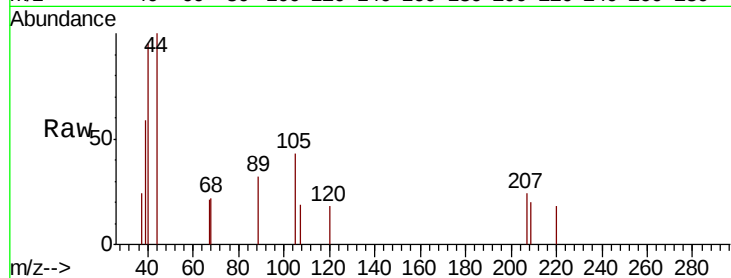




#80
 1,3,5-Trimethylbenzene
 Concen: Below Cal
 RT: 11.79 min Scan# 1142
 Delta R.T. -0.12 min
 Lab File: VF059826.D
 Acq: 3 Aug 2018 4:52

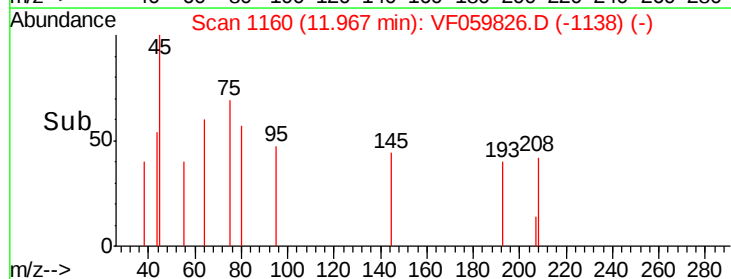
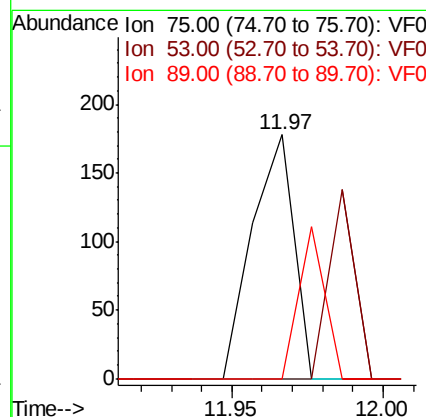
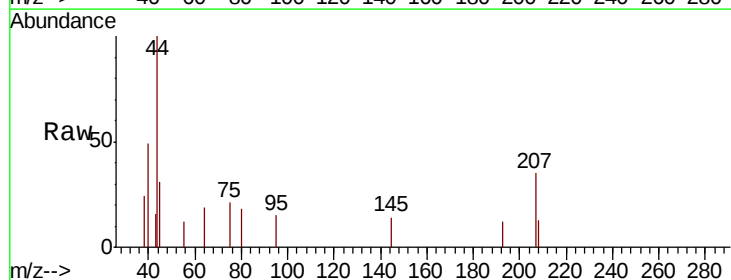
Instrument :
 MSVOA_F
 ClientSampleId :
 NORTHLAWN-PRECHAR-AREA-3-B

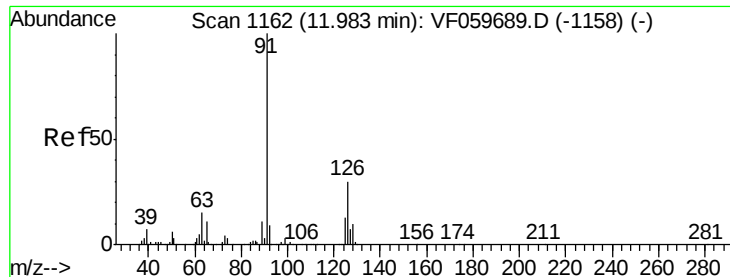
Tot Ion: 105 Resp: 147
 Ion Ratio Lower Upper
 105 100
 120 43.1 22.7 68.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 1.144 ug/l
 RT: 11.97 min Scan# 1160
 Delta R.T. 0.01 min
 Lab File: VF059826.D
 Acq: 3 Aug 2018 4:52

Tgt Ion: 75 Resp: 173
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.3 117.5#
 89 0.0 45.4 68.2#





#82

4-Chlorotoluene

Concen: Below Cal

RT: 11.98 min Scan# 1161

Delta R.T. -0.01 min

Lab File: VF059826.D

Acq: 3 Aug 2018 4:52

Instrument :

MSVOA_F

ClientSampleId :

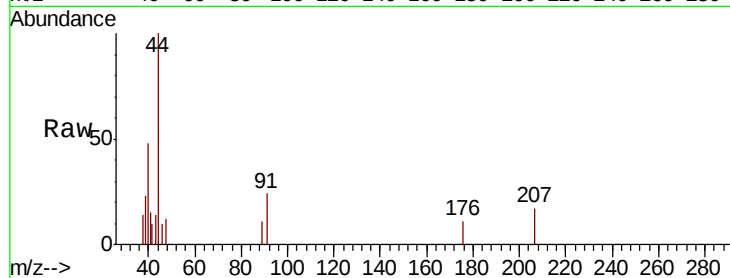
NORTHLAWN-PRECHAR-AREA-3-B

Tot Ion: 91 Resp: 290

Ion Ratio Lower Upper

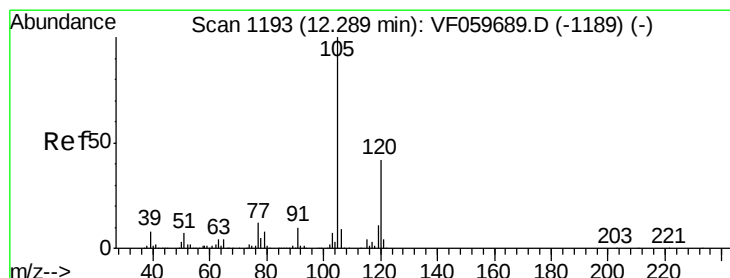
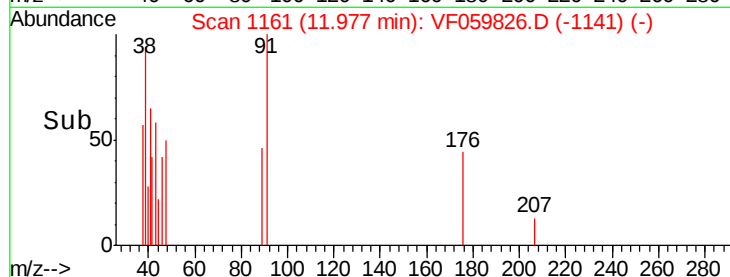
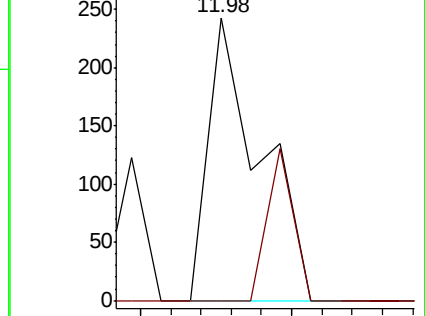
91 100

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: VF059826.D

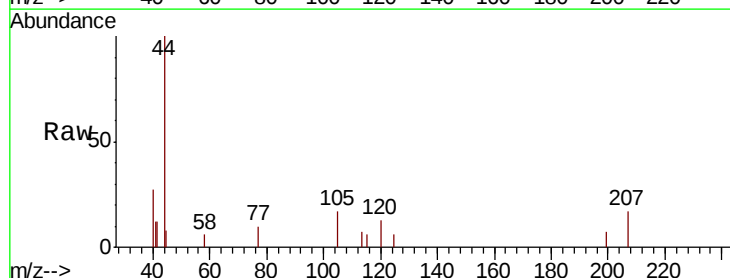
Acq: 3 Aug 2018 4:52

Tgt Ion:105 Resp: 429

Ion Ratio Lower Upper

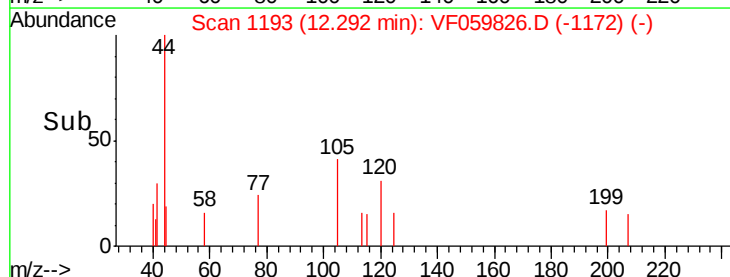
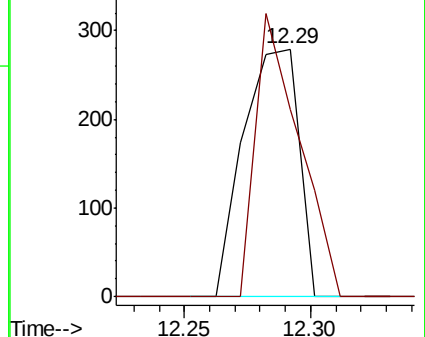
105 100

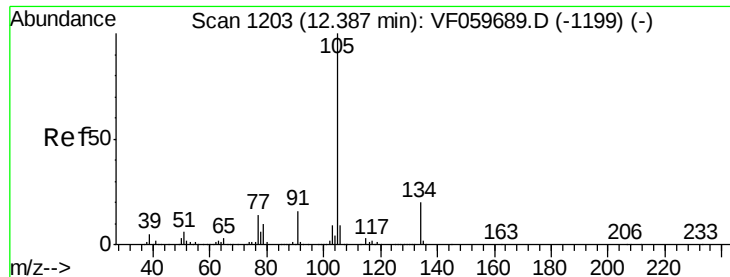
120 75.6 21.1 63.3#



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: 12.38 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VF059826.D

Acq: 3 Aug 2018 4:52

Instrument :

MSVOA_F

ClientSampleId :

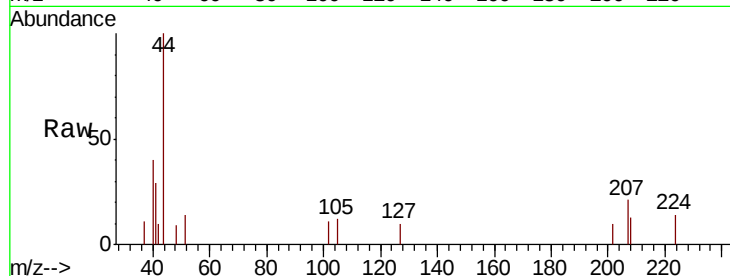
NORTHLAWN-PRECHAR-AREA-3-B

Tot Ion:105 Resp: 232

Ion Ratio Lower Upper

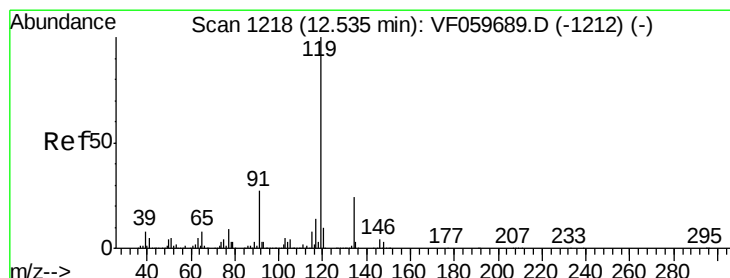
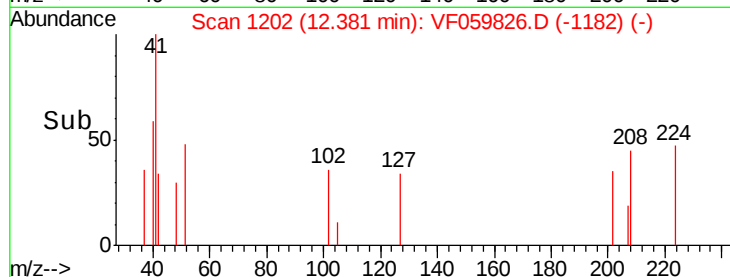
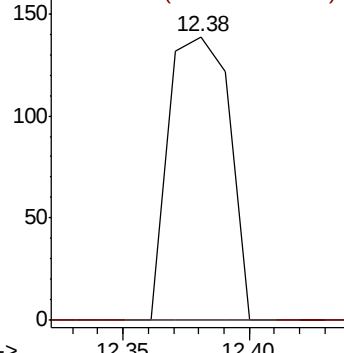
105 100

134 0.0 9.8 29.3#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: Below Cal

RT: 12.54 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VF059826.D

Acq: 3 Aug 2018 4:52

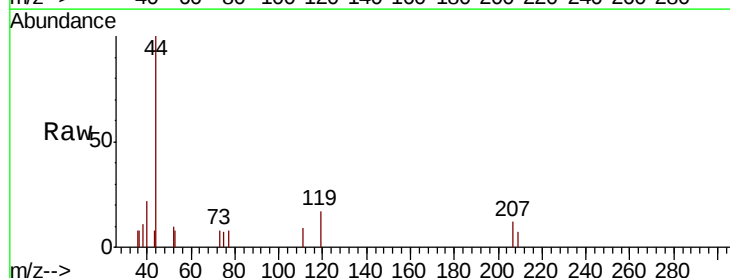
Tgt Ion:119 Resp: 412

Ion Ratio Lower Upper

119 100

134 0.0 12.2 36.6#

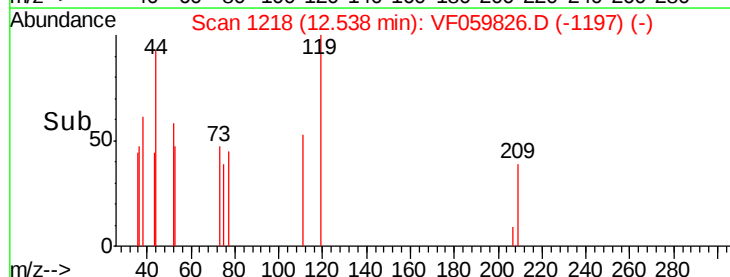
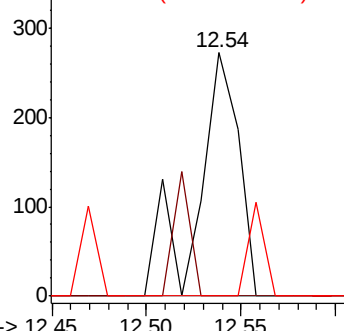
91 0.0 13.4 40.2#

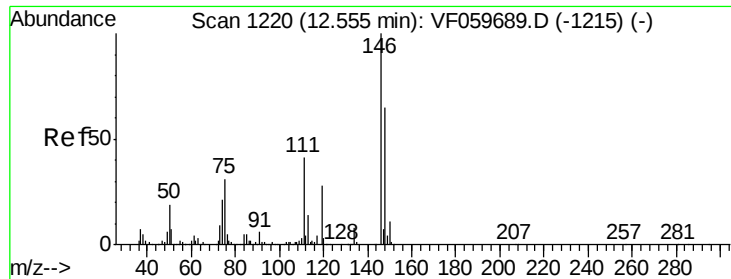


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





#87

1,3-Dichlorobenzene

Concen: Below Cal

RT: 12.56 min Scan# 1220

Delta R.T. 0.00 min

Lab File: VF059826.D

Acq: 3 Aug 2018 4:52

Instrument :

MSVOA_F

ClientSampleId :

NORTHLAWN-PRECHAR-AREA-3-B

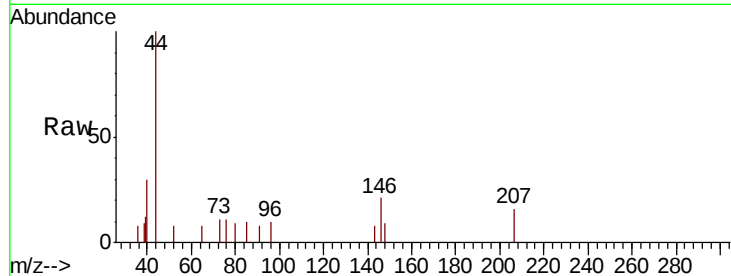
Tot Ion:146 Resp: 361

Ion Ratio Lower Upper

146 100

111 0.0 20.7 62.1#

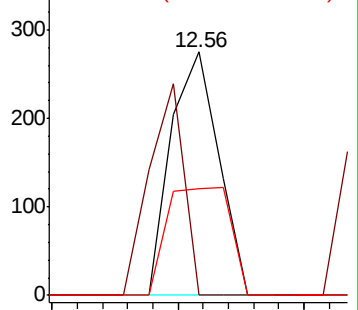
148 44.0 32.3 96.8



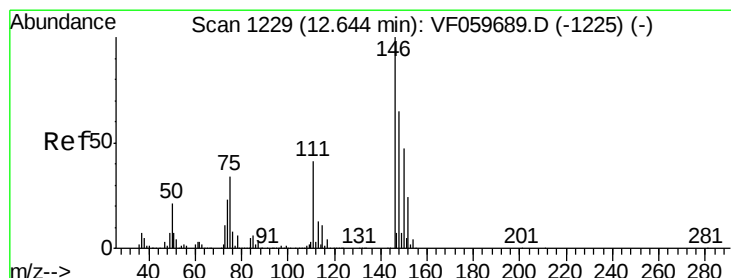
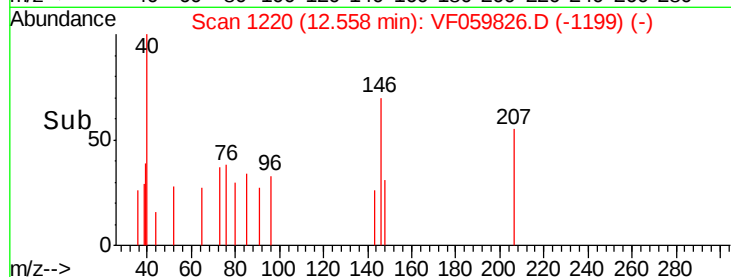
Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



Time--> 12.50 12.55 12.60



#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 12.64 min Scan# 1228

Delta R.T. -0.01 min

Lab File: VF059826.D

Acq: 3 Aug 2018 4:52

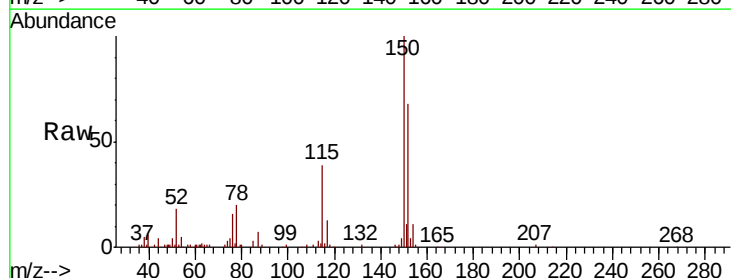
Tgt Ion:146 Resp: 500

Ion Ratio Lower Upper

146 100

111 85.1 20.8 62.2#

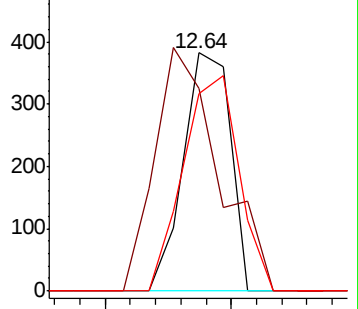
148 82.7 32.3 96.9



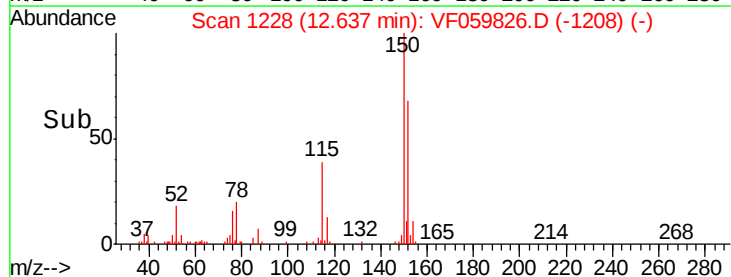
Abundance Ion 146.00 (145.70 to 146.70): V

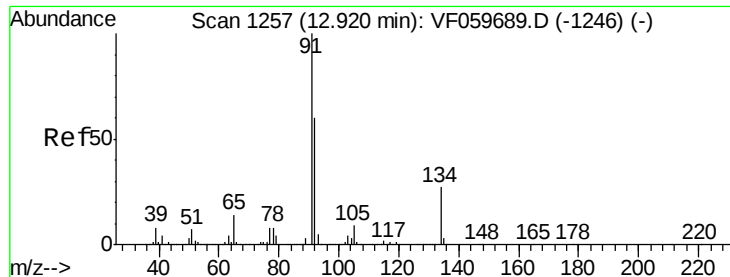
Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



Time--> 12.60 12.65





#89

n-Butylbenzene

Concen: Below Cal

RT: 12.92 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VF059826.D

Acq: 3 Aug 2018 4:52

Instrument :

MSVOA_F

ClientSampleId :

NORTHLAWN-PRECHAR-AREA-3-B

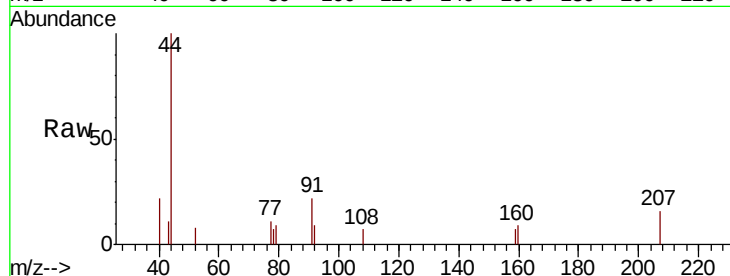
Tot Ion: 91 Resp: 579

Ion Ratio Lower Upper

91 100

92 41.5 30.1 90.3

134 0.0 13.7 41.0#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V

12.92

300

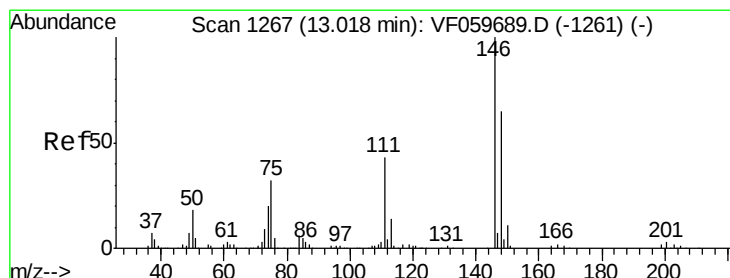
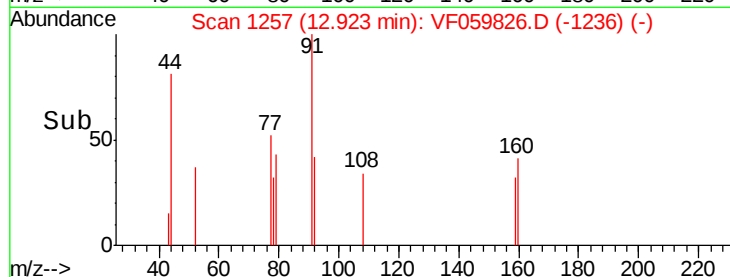
200

100

0

12.85 12.90 12.95

Time-->



#91

1,2-Dichlorobenzene

Concen: Below Cal

RT: 13.02 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VF059826.D

Acq: 3 Aug 2018 4:52

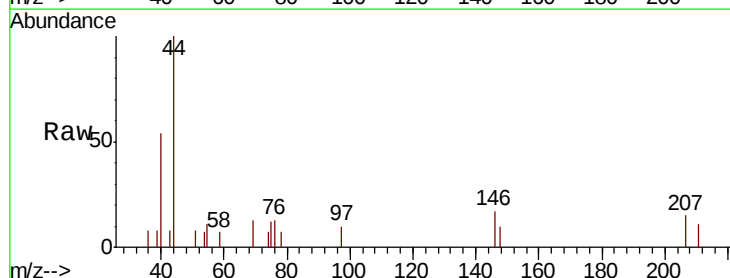
Tgt Ion: 146 Resp: 328

Ion Ratio Lower Upper

146 100

111 0.0 21.6 65.0#

148 59.6 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

13.02

300

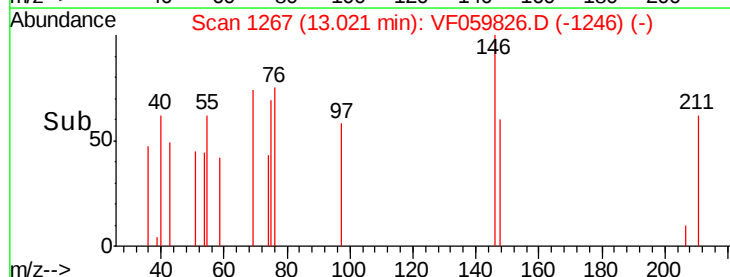
200

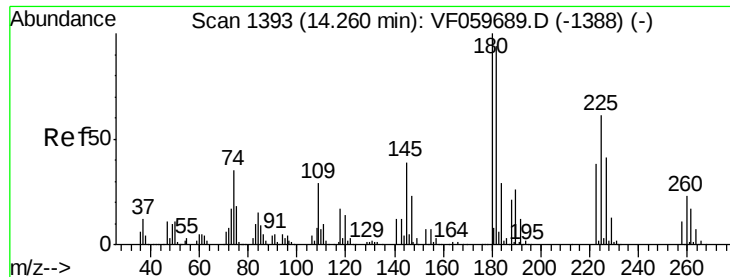
100

0

13.00 13.05

Time-->

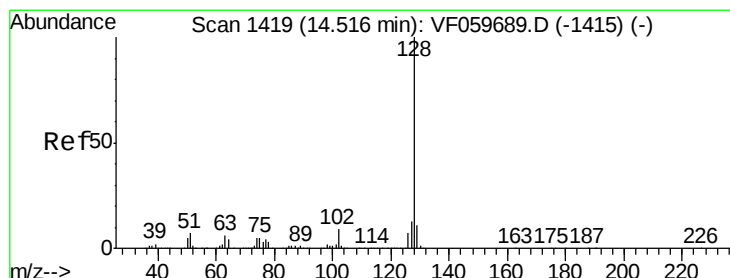
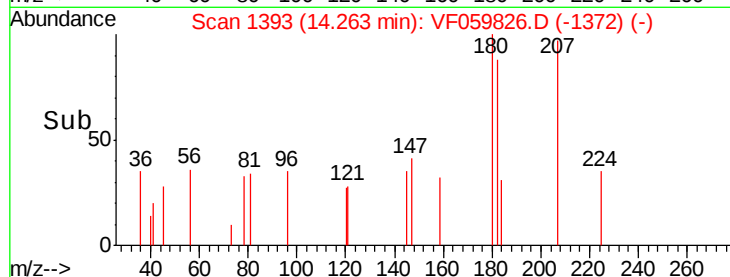
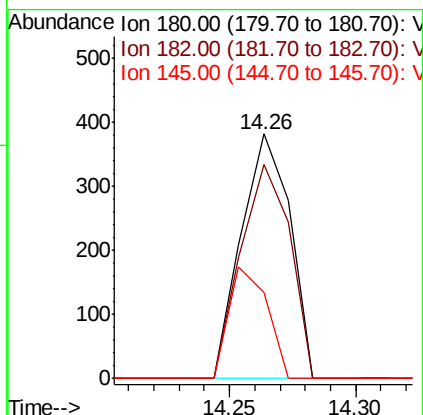
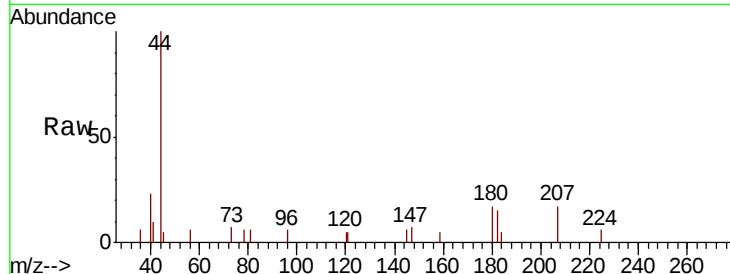




#93
 1,2,4-Trichlorobenzene
 Concen: Below Cal
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059826.D
 Acq: 3 Aug 2018 4:52

Instrument :
 MSVOA_F
 ClientSampleId :
 NORTHLAWN-PRECHAR-AREA-3-B

Tot Ion	Ratio	Lower	Upper
180	100		
182	87.7	47.2	141.6
145	35.2	19.3	57.9



#95
 Naphthalene
 Concen: 2.178 ug/l
 RT: 14.52 min Scan# 1419
 Delta R.T. 0.00 min
 Lab File: VF059826.D
 Acq: 3 Aug 2018 4:52

Tgt Ion	Ratio	Lower	Upper
128	100		
127	8.0	10.0	15.0#
129	12.7	8.6	13.0

