

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080218\
 Data File : VF059825.D
 Acq On : 3 Aug 2018 4:25
 Operator : VA/AP
 Sample : J4162-06
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

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

Quant Time: Aug 03 07:10:31 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	30502	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.76	114	33074	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	21789	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	4886	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	7860	14.34	ug/l	0.00
Spiked Amount			Recovery	=	28.68%	
35) Dibromofluoromethane	4.29	113	9824	28.60	ug/l	0.00
Spiked Amount			Recovery	=	57.20%	
50) Toluene-d8	7.71	98	27377	34.18	ug/l	0.00
Spiked Amount			Recovery	=	68.36%	
62) 4-Bromofluorobenzene	11.51	95	5753	12.97	ug/l	0.00
Spiked Amount			Recovery	=	25.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.10	50	381	Below Cal	#	38
4) Vinyl Chloride	1.14	62	73	Below Cal	#	47
5) Bromomethane	1.42	94	71	Below Cal		92
6) Chloroethane	1.47	64	62	Below Cal	#	35
10) Methyl Iodide	1.89	142	85	Below Cal	#	20
11) Tert butyl alcohol	2.78	59	84	2.355	ug/l #	74
13) Acrolein	2.04	56	95	23.743	ug/l	91
15) Acrylonitrile	3.14	53	184	5.257	ug/l #	7
16) Acetone	2.34	43	233	2.363	ug/l #	68
18) Methyl Acetate	2.43	43	103	Below Cal	#	64
20) Methylene Chloride	2.28	84	792	Below Cal	#	74
28) Bromochloromethane	3.90	49	67	Below Cal	#	15
29) Tetrahydrofuran	4.26	42	101	2.388	ug/l #	39
31) Cyclohexane	3.90	56	59	Below Cal	#	15
36) 1,1-Dichloropropene	4.45	75	67	Below Cal	#	46
37) Ethyl Acetate	4.31	43	106	Below Cal	#	19
39) Methylcyclohexane	5.54	83	68	Below Cal	#	76
41) Methacrylonitrile	4.91	41	72	Below Cal	#	24
43) Isopropyl Acetate	7.08	43	656	3.317	ug/l #	46
44) Trichloroethene	5.69	130	62	Below Cal		2
49) 1,4-Dioxane	7.04	88	60	Below Cal	#	21
51) 4-Methyl-2-Pentanone	8.40	43	1246	8.282	ug/l #	42
58) 2-Chloroethyl Vinyl ether	7.85	63	67	3.076	ug/l	100
59) 2-Hexanone	9.63	43	3095	25.673	ug/l	74
68) m/p-Xylenes	10.25	106	261	Below Cal	#	1
70) Styrene	10.91	104	450	1.069	ug/l #	45
74) N-amyl acetate	11.45	43	1404	17.359	ug/l #	66
75) 1,1,2,2-Tetrachloroethane	11.78	83	63	1.044	ug/l #	25
76) 1,2,3-Trichloropropane	11.89	75	80	1.559	ug/l #	1
77) Bromobenzene	11.58	156	160	1.911	ug/l #	57
78) n-propylbenzene	11.67	91	510	Below Cal	#	54
79) 2-Chlorotoluene	11.81	91	219	Below Cal	#	44
80) 1,3,5-Trimethylbenzene	12.02	105	65	Below Cal	#	31
81) trans-1,4-Dichloro-2-buten	11.94	75	163	7.670	ug/l #	9

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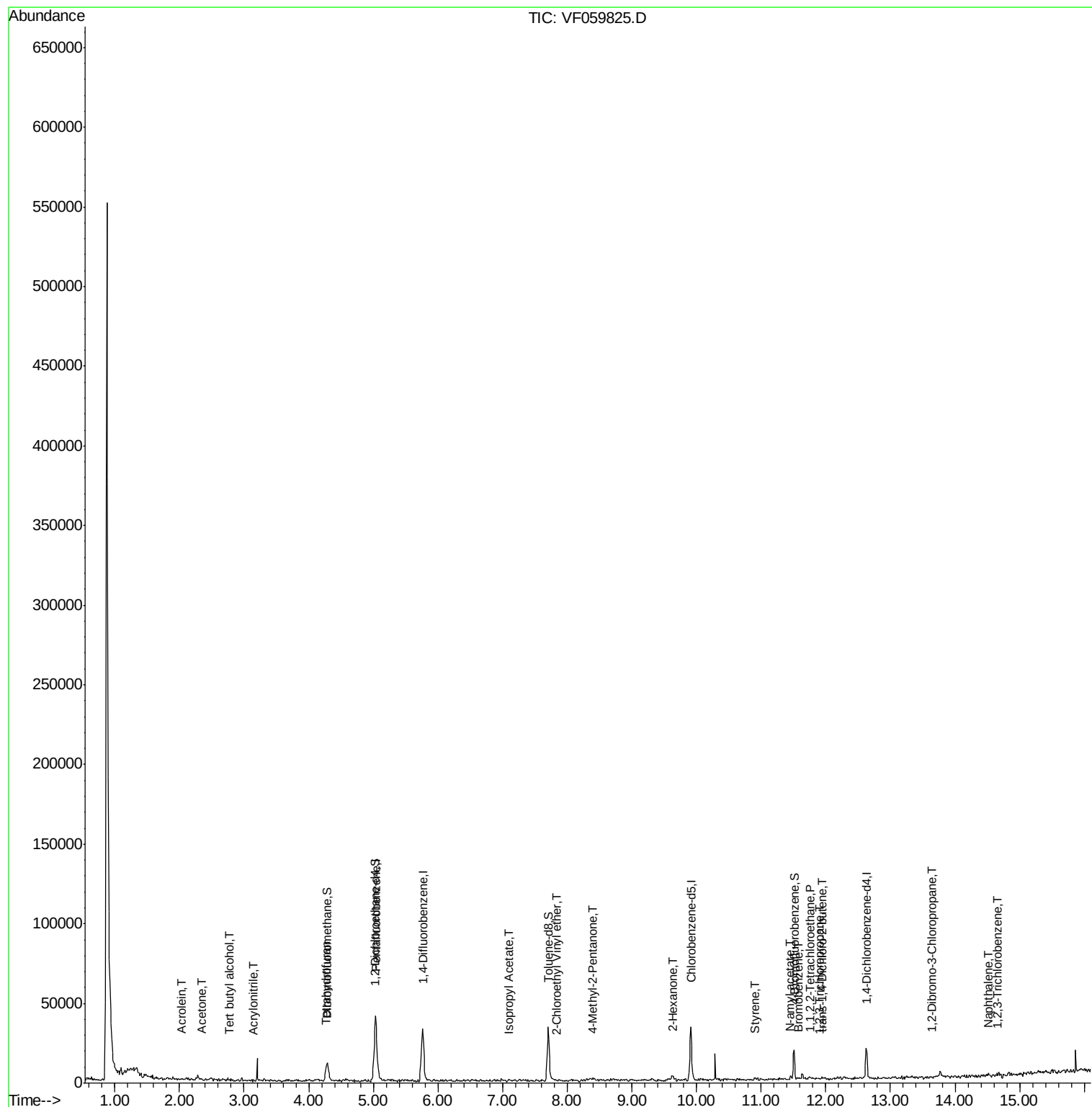
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) 4-Chlorotoluene	11.99	91	476	Below Cal	#	44
84) 1,2,4-Trimethylbenzene	12.39	105	108	Below Cal	#	33
85) sec-Butylbenzene	12.39	105	108	Below Cal	#	57
86) p-Isopropyltoluene	12.53	119	79	Below Cal	#	15
87) 1,3-Dichlorobenzene	12.56	146	178	Below Cal	#	68
88) 1,4-Dichlorobenzene	12.63	146	296	Below Cal	#	27
89) n-Butylbenzene	12.91	91	105	Below Cal	#	27
91) 1,2-Dichlorobenzene	13.02	146	292	Below Cal	#	28
92) 1,2-Dibromo-3-Chloropropan	13.64	75	69	4.677 µg/l	#	9
95) Naphthalene	14.51	128	1005	4.771 µg/l	#	70
96) 1,2,3-Trichlorobenzene	14.65	180	264	2.267 µg/l	#	63

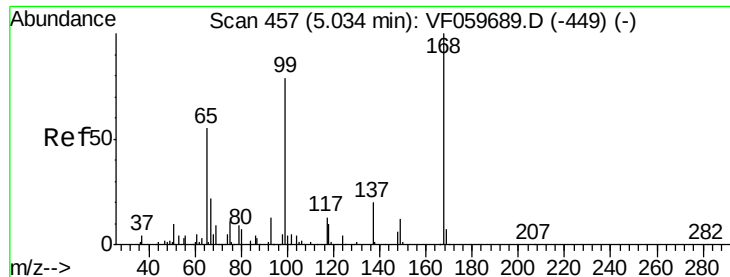
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 458

Delta R.T. 0.01 min

Lab File: VF059825.D

Acq: 3 Aug 2018 4:25

Instrument :

MSVOA_F

ClientSampleId :

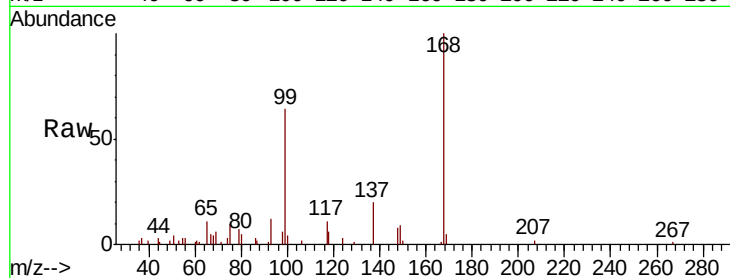
NORTHLAWN-PRECHAR-AREA-3-B

Tot Ion:168 Resp: 30502

Ion Ratio Lower Upper

168 100

99 63.5 63.3 94.9



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

12000

10000

8000

6000

4000

2000

0

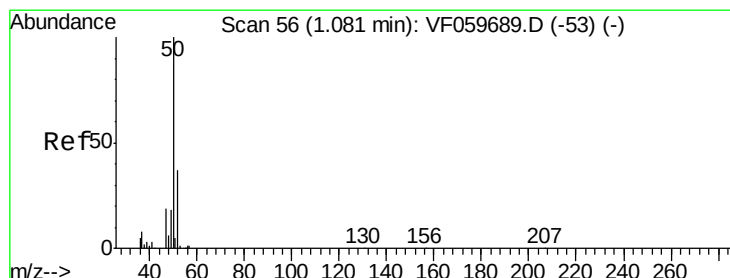
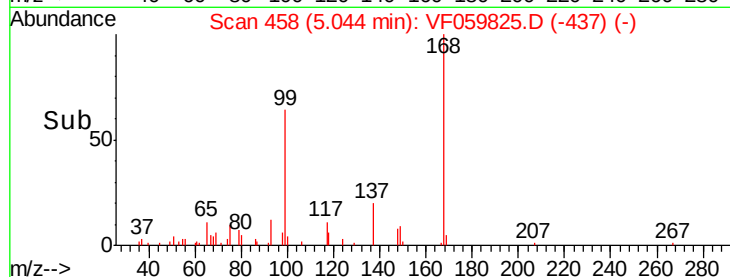
Time-->

4.90

5.00

5.10

5.20



#3

Chloromethane

Concen: Below Cal

RT: 1.10 min Scan# 58

Delta R.T. 0.02 min

Lab File: VF059825.D

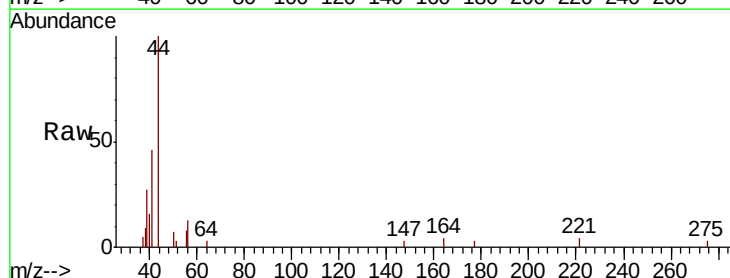
Acq: 3 Aug 2018 4:25

Tgt Ion: 50 Resp: 381

Ion Ratio Lower Upper

50 100

52 0.0 29.1 43.7#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

1.10

300

250

200

150

100

50

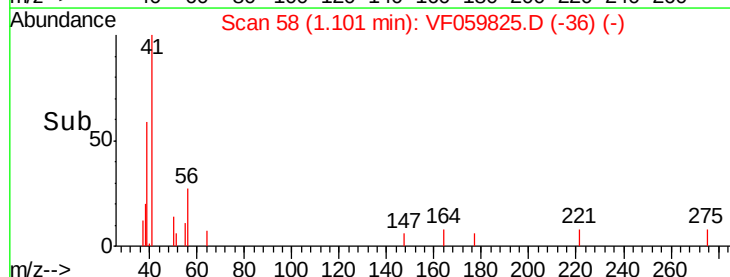
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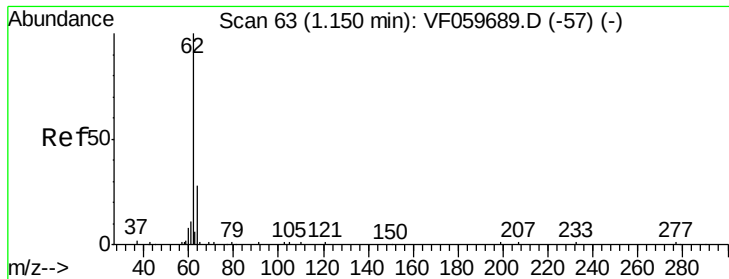
Time-->

1.05

1.10

1.15





#4

Vinyl Chloride

Concen: Below Cal

RT: 1.14 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF059825.D

Acq: 3 Aug 2018 4:25

Instrument :

MSVOA_F

ClientSampleId :

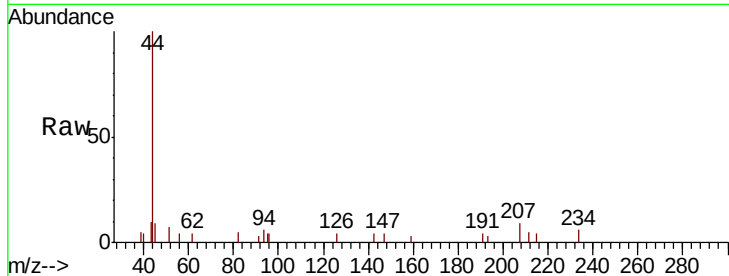
NORTHLAWN-PRECHAR-AREA-3-B

Tot Ion: 62 Resp: 73

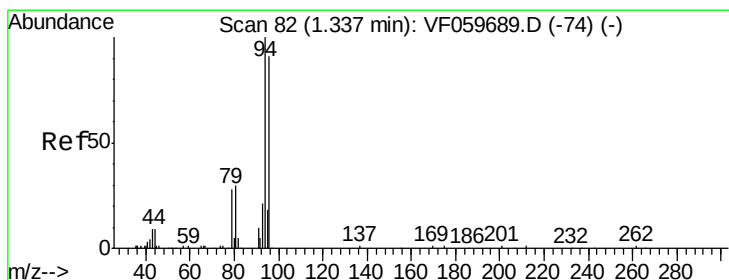
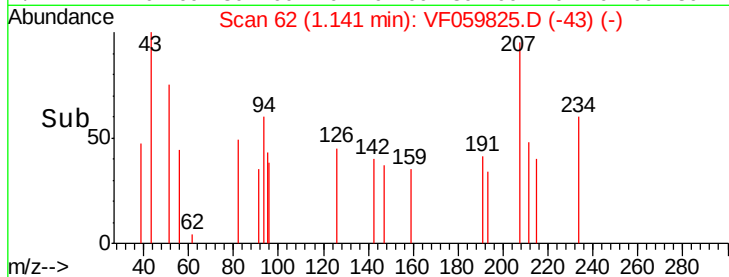
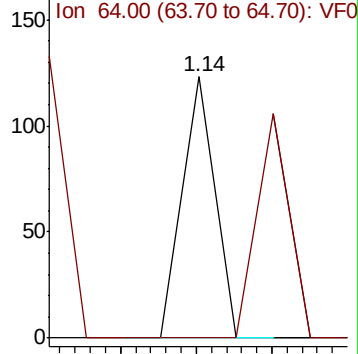
Ion Ratio Lower Upper

62 100

64 0.0 22.6 33.8#



Abundance Ion 62.00 (61.70 to 62.70): VF0



#5

Bromomethane

Concen: Below Cal

RT: 1.42 min Scan# 90

Delta R.T. 0.08 min

Lab File: VF059825.D

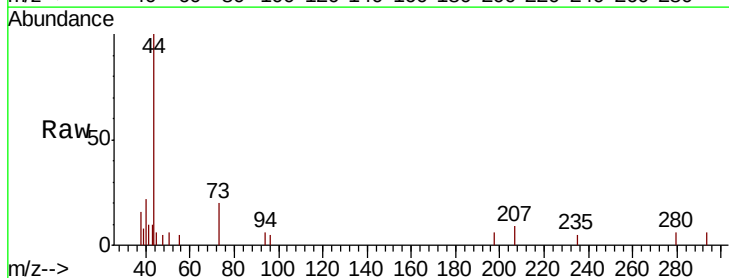
Acq: 3 Aug 2018 4:25

Tgt Ion: 94 Resp: 71

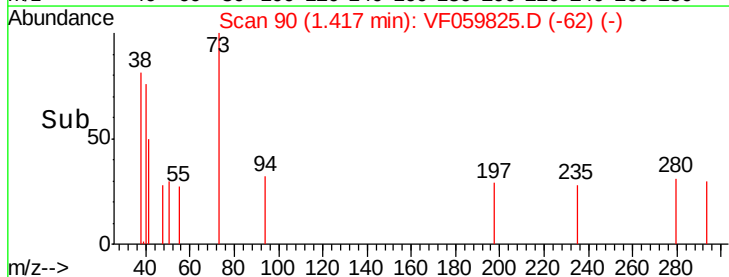
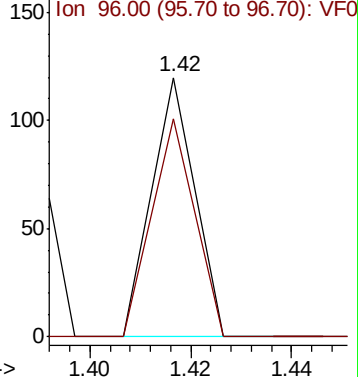
Ion Ratio Lower Upper

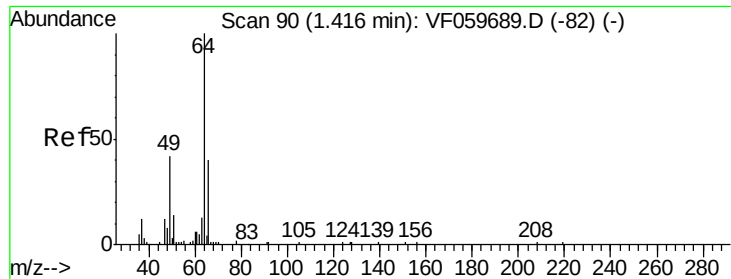
94 100

96 84.2 73.6 110.4



Abundance Ion 94.00 (93.70 to 94.70): VF0





#6

Chloroethane

Concen: Below Cal

RT: 1.47 min Scan# 95

Delta R.T. 0.05 min

Lab File: VF059825.D

Acq: 3 Aug 2018 4:25

Instrument :

MSVOA_F

ClientSampleId :

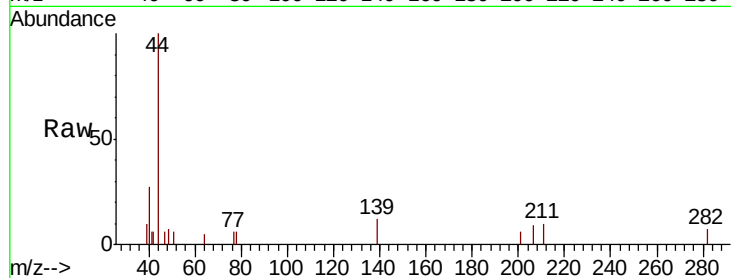
NORTHLAWN-PRECHAR-AREA-3-B

Tot Ion: 64 Resp: 62

Ion Ratio Lower Upper

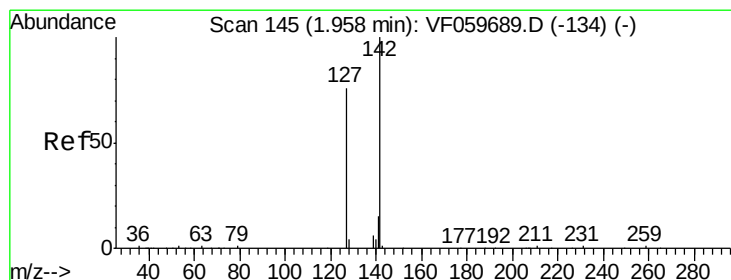
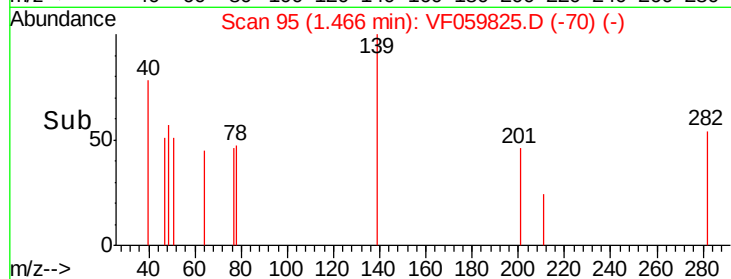
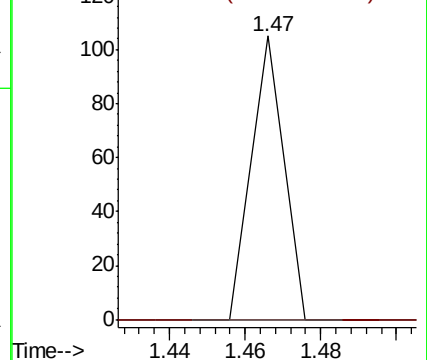
64 100

66 0.0 32.6 49.0#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0



#10

Methyl Iodide

Concen: Below Cal

RT: 1.89 min Scan# 138

Delta R.T. -0.07 min

Lab File: VF059825.D

Acq: 3 Aug 2018 4:25

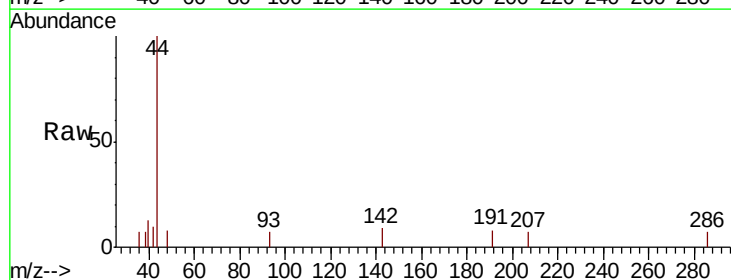
Tgt Ion: 142 Resp: 85

Ion Ratio Lower Upper

142 100

127 0.0 60.6 91.0#

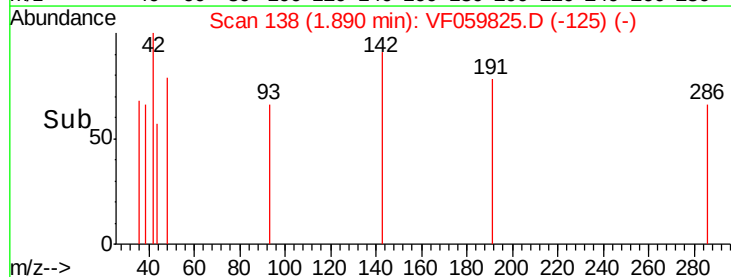
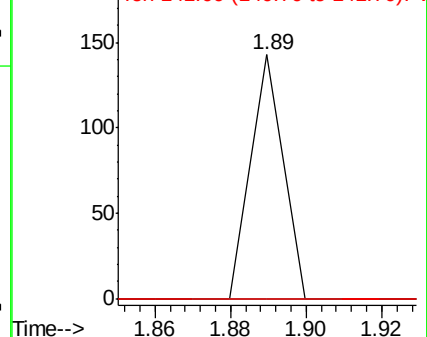
141 0.0 12.0 18.0#

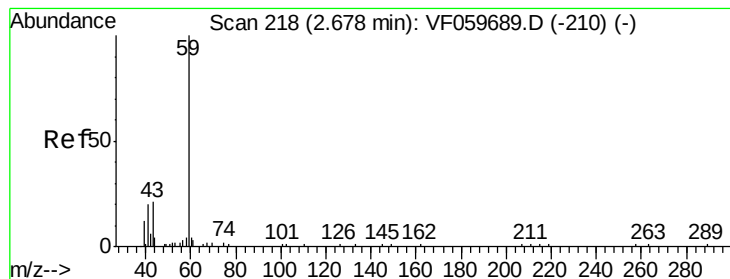


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



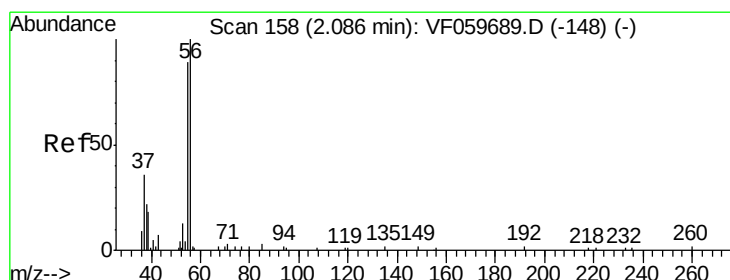
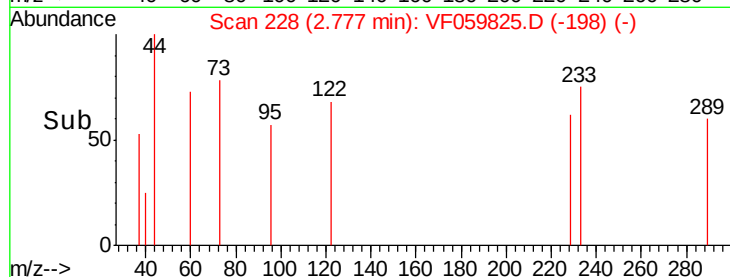
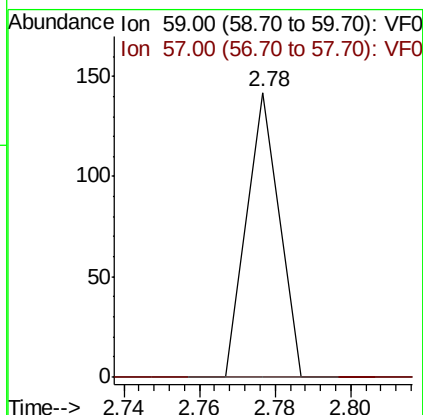
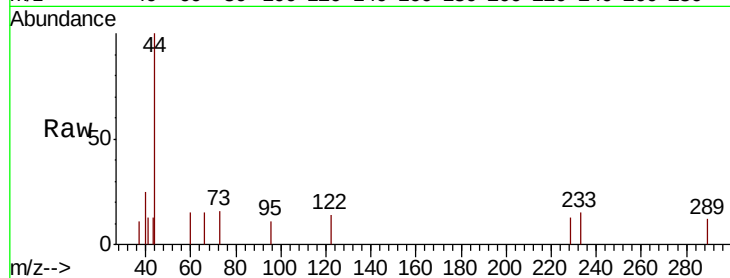


#11

Tert butyl alcohol
 Concen: 2.355 ug/l
 RT: 2.78 min Scan# 228
 Delta R.T. 0.10 min
 Lab File: VF059825.D
 Acq: 3 Aug 2018 4:25

Instrument :
 MSVOA_F
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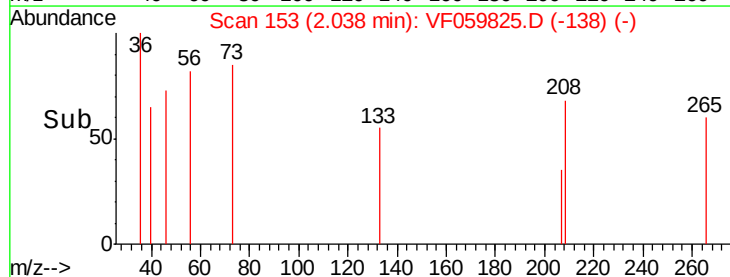
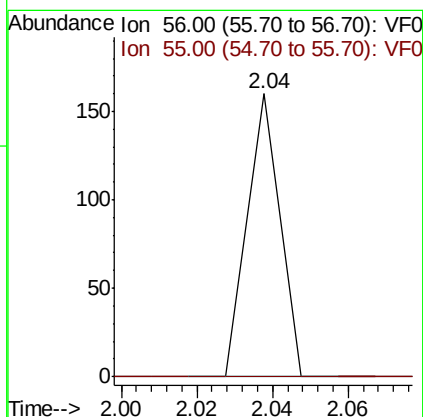
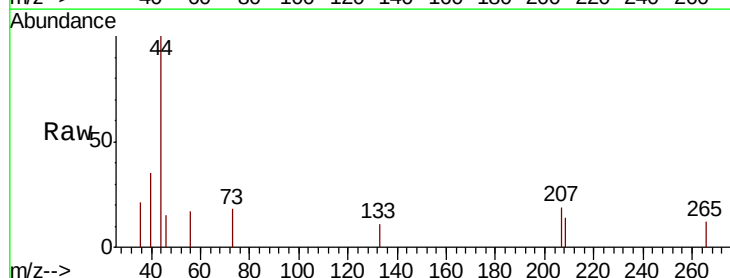
Tot Ion: 59 Resp: 84
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.6 11.4#

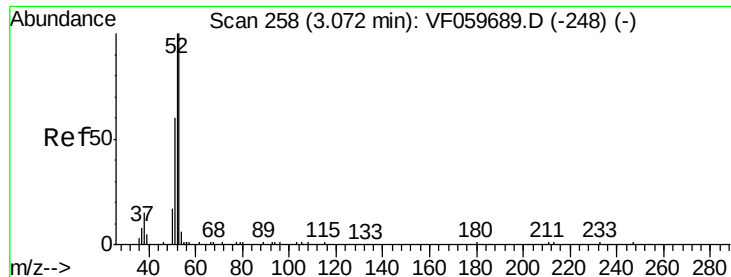


#13

Acrolein
 Concen: 23.743 ug/l
 RT: 2.04 min Scan# 153
 Delta R.T. -0.05 min
 Lab File: VF059825.D
 Acq: 3 Aug 2018 4:25

Tgt Ion: 56 Resp: 95
 Ion Ratio Lower Upper
 56 100
 55 100.0 73.2 109.8





#15

Acrylonitrile

Concen: 5.257 ug/l

RT: 3.14 min Scan# 265

Delta R.T. 0.07 min

Lab File: VF059825.D

Acq: 3 Aug 2018 4:25

Instrument :

MSVOA_F

ClientSampleId :

NORTHLAWN-PRECHAR-AREA-3-B

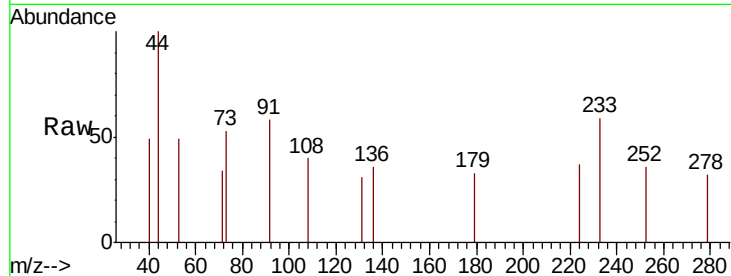
Tot Ion: 53 Resp: 184

Ion Ratio Lower Upper

53 100

52 0.0 80.3 120.5#

51 0.0 49.4 74.0#



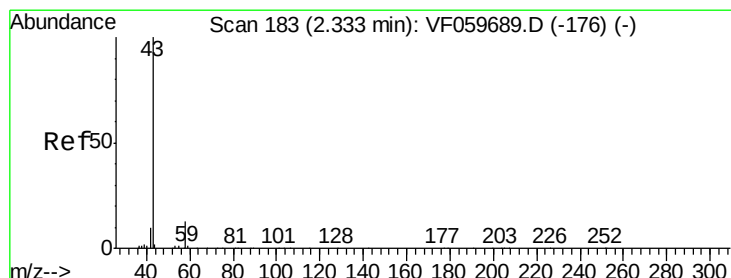
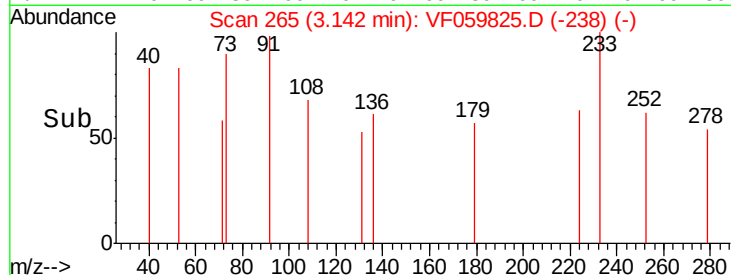
Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

3.14

Time-->



#16

Acetone

Concen: 2.363 ug/l

RT: 2.34 min Scan# 184

Delta R.T. 0.01 min

Lab File: VF059825.D

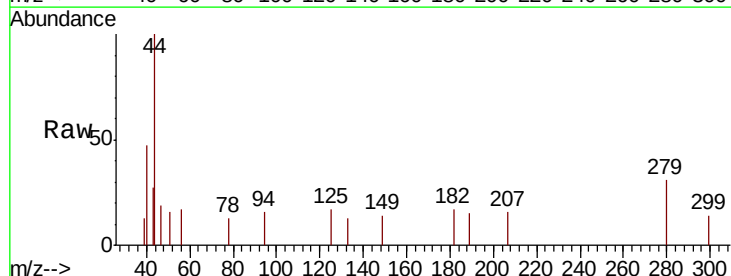
Acq: 3 Aug 2018 4:25

Tgt Ion: 43 Resp: 233

Ion Ratio Lower Upper

43 100

58 0.0 10.1 15.1#

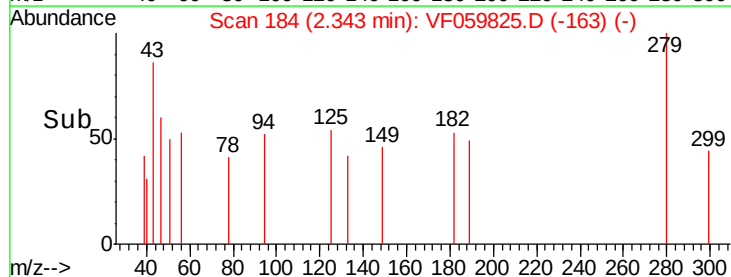


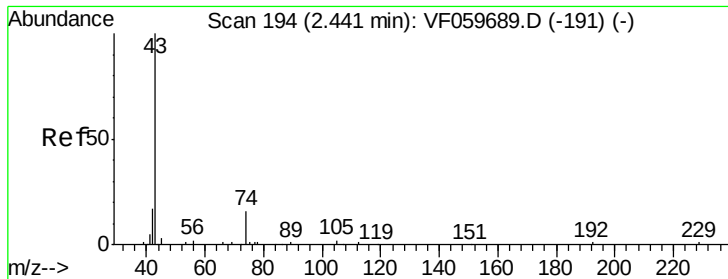
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.34

Time-->

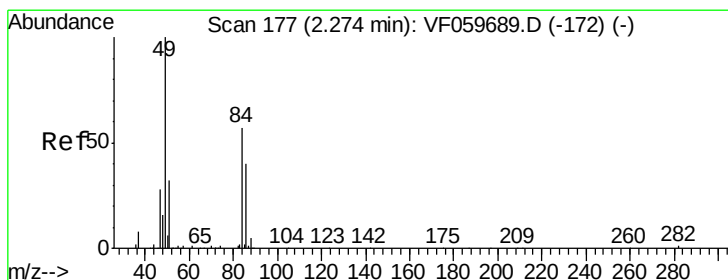
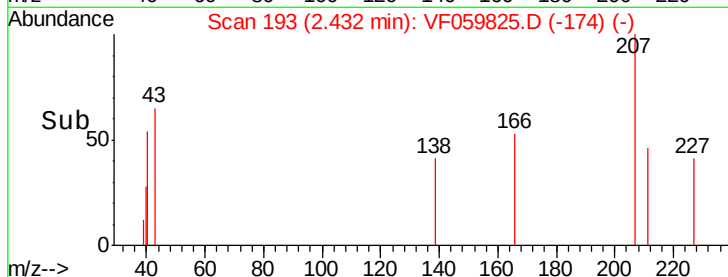
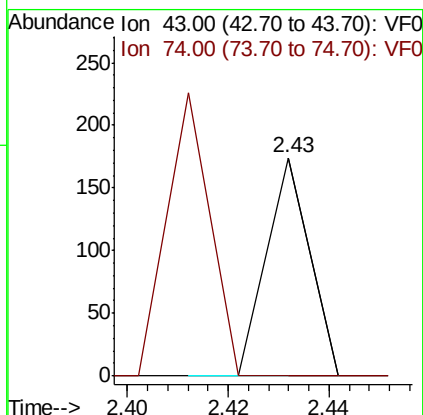
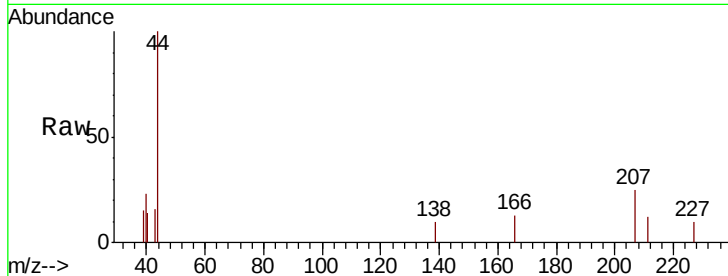




#18
Methyl Acetate
Concen: Below Cal
RT: 2.43 min Scan# 193
Delta R.T. -0.01 min
Lab File: VF059825.D
Acq: 3 Aug 2018 4:25

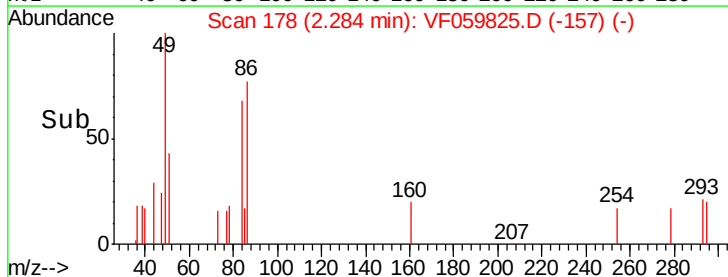
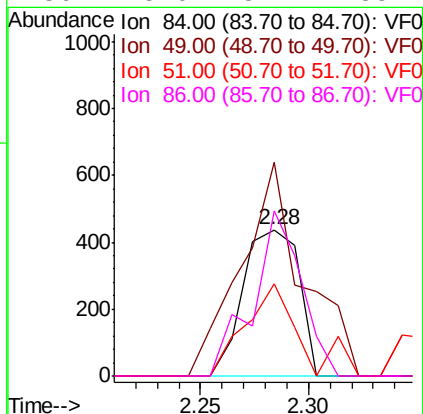
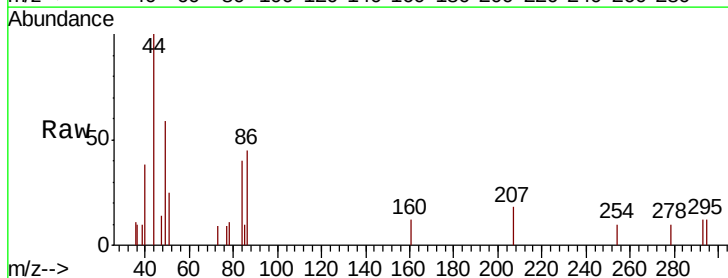
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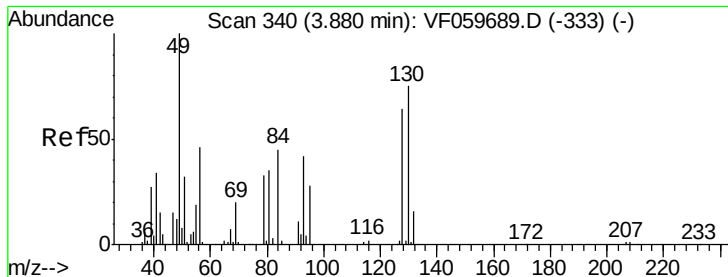
Tot Ion: 43 Resp: 103
Ion Ratio Lower Upper
43 100
74 0.0 11.8 17.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.28 min Scan# 178
Delta R.T. 0.01 min
Lab File: VF059825.D
Acq: 3 Aug 2018 4:25

Tgt Ion: 84 Resp: 792
Ion Ratio Lower Upper
84 100
49 146.2 142.2 213.4
51 63.4 46.2 69.2
86 113.0 57.1 85.7#





#28

Bromochloromethane

Concen: Below Cal

RT: 3.90 min Scan# 342

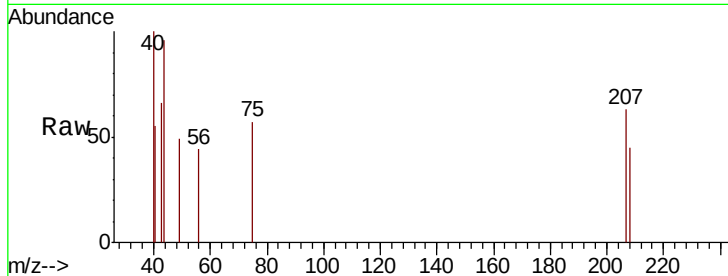
Delta R.T. 0.02 min

Lab File: VF059825.D

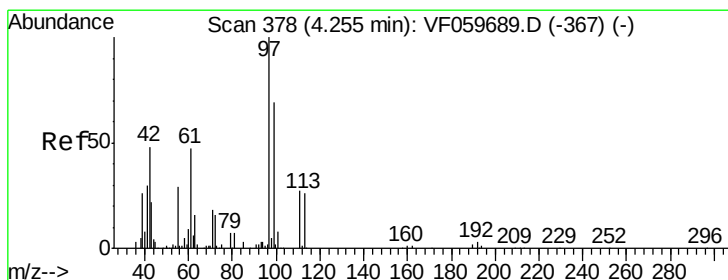
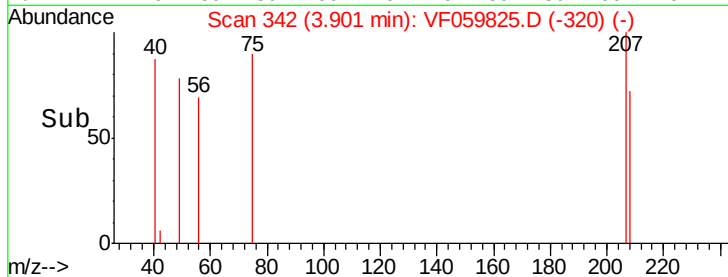
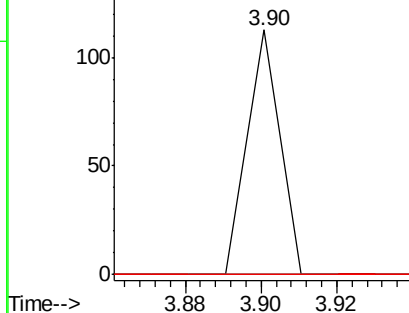
Acq: 3 Aug 2018 4:25

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

Tot Ion:	49	Resp:	67
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.8
130	0.0	59.6	89.4#



Abundance Ion 49.00 (48.70 to 49.70): VF0
Ion 129.00 (128.70 to 129.70): V
Ion 130.00 (129.70 to 130.70): V



#29

Tetrahydrofuran

Concen: 2.388 ug/l

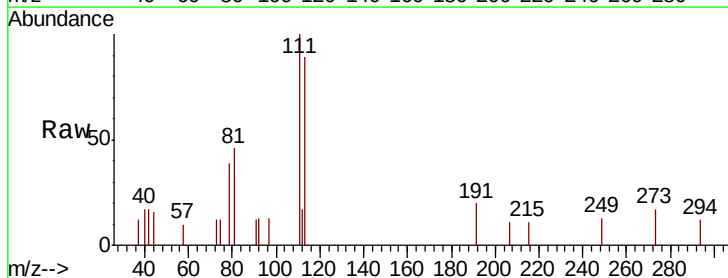
RT: 4.26 min Scan# 378

Delta R.T. 0.00 min

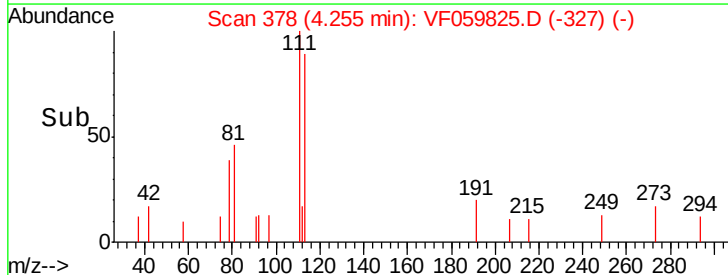
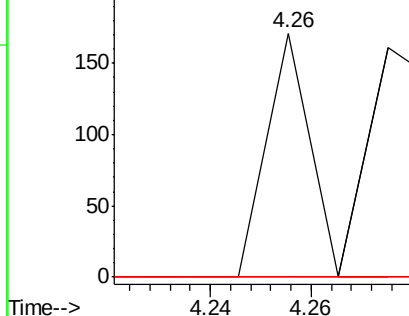
Lab File: VF059825.D

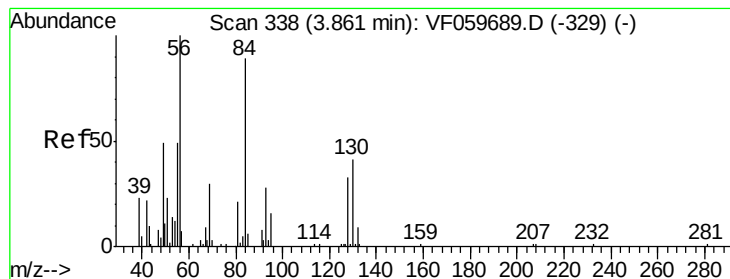
Acq: 3 Aug 2018 4:25

Tgt Ion:	42	Resp:	101
Ion	Ratio	Lower	Upper
42	100		
72	0.0	27.0	40.6#
71	0.0	29.7	44.5#



Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0





#31

Cyclohexane

Concen: Below Cal

RT: 3.90 min Scan# 342

Delta R.T. 0.04 min

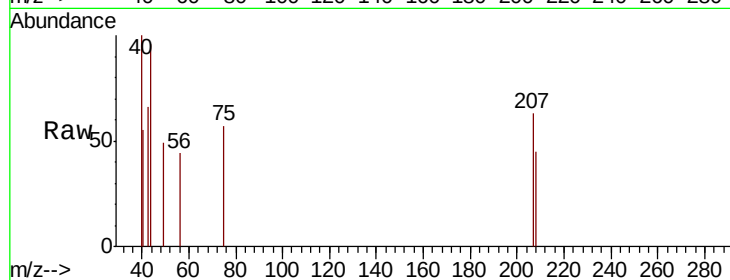
Lab File: VF059825.D

Acq: 3 Aug 2018 4:25

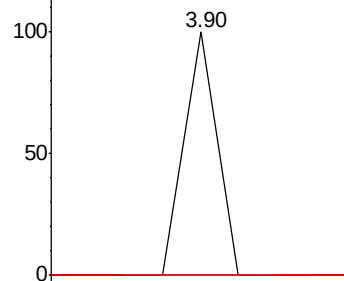
Instrument :
MSVOA_F
ClientSampleId :
NORTHLAWN-PRECHAR-AREA-3-B

Tot Ion: 56 Resp: 59

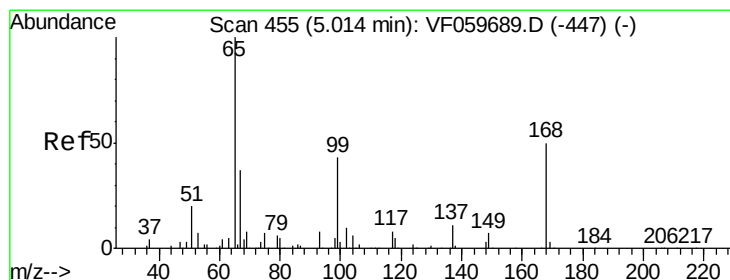
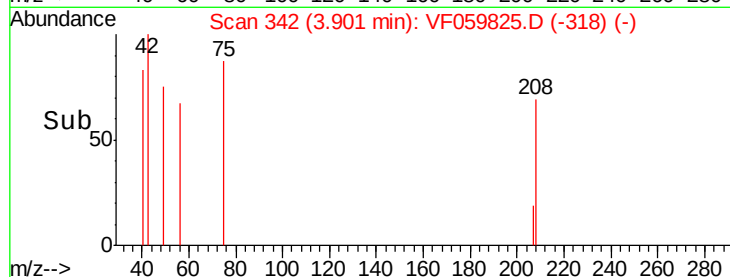
Ion	Ratio	Lower	Upper
56	100		
69	0.0	23.7	35.5#
84	0.0	71.1	106.7#



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



Time-->



#33

1,2-Dichloroethane-d4

Concen: 14.338 ug/l

RT: 5.01 min Scan# 455

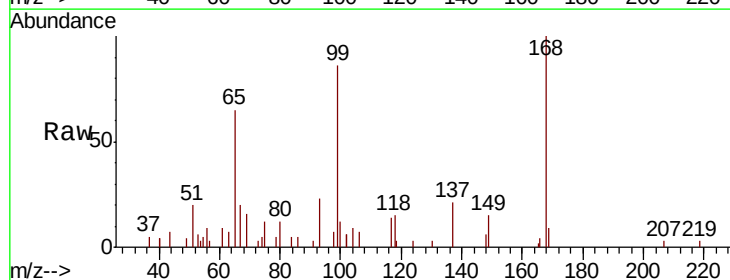
Delta R.T. 0.00 min

Lab File: VF059825.D

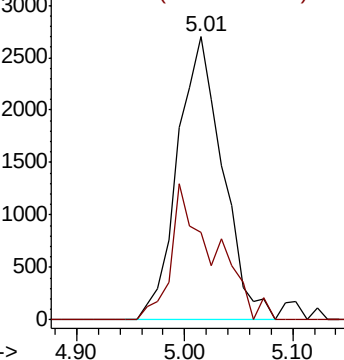
Acq: 3 Aug 2018 4:25

Tgt Ion: 65 Resp: 7860

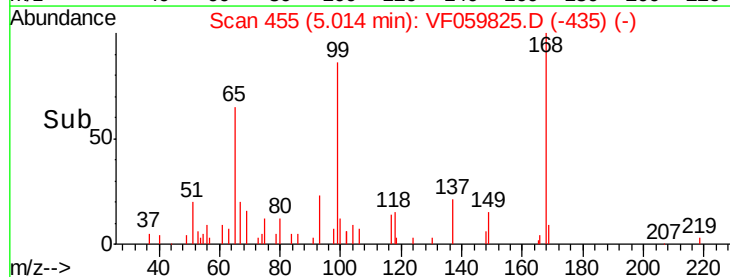
Ion	Ratio	Lower	Upper
65	100		
67	31.0	0.0	84.6

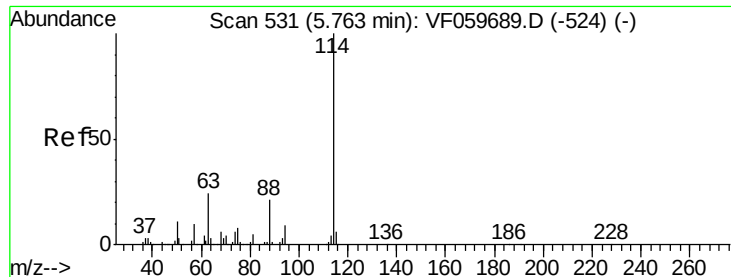


Abundance Ion 65.00 (64.70 to 65.70): VF0
Ion 67.00 (66.70 to 67.70): VF0



Time-->

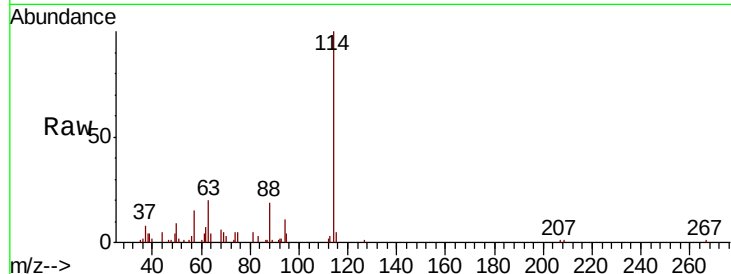




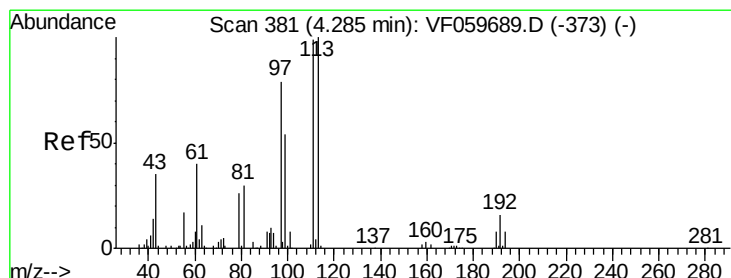
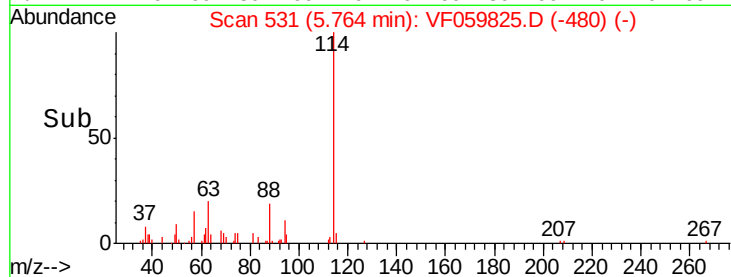
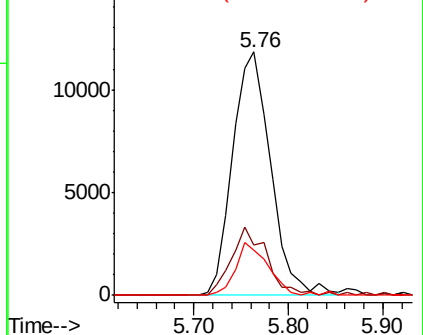
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.76 min Scan# 531
 Delta R.T. 0.00 min
 Lab File: VF059825.D
 Acq: 3 Aug 2018 4:25

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

Tot Ion:114 Resp: 33074
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 47.4
 88 18.7 0.0 41.2

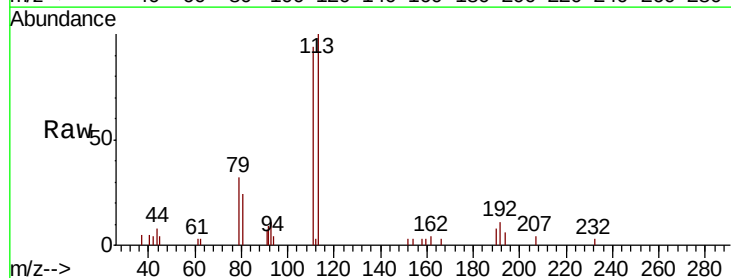


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VF0
 Ion 88.00 (87.70 to 88.70): VF0

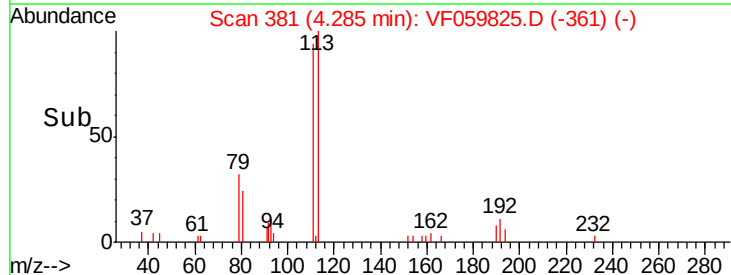
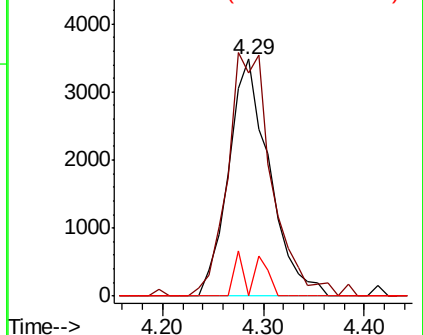


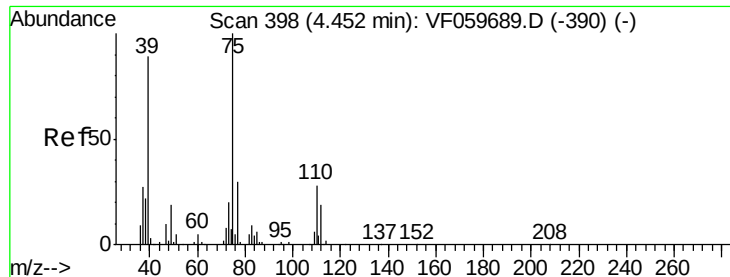
#35
 Dibromofluoromethane
 Concen: 28.598 ug/l
 RT: 4.29 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VF059825.D
 Acq: 3 Aug 2018 4:25

Tgt Ion:113 Resp: 9824
 Ion Ratio Lower Upper
 113 100
 111 94.2 79.0 118.4
 192 0.0 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

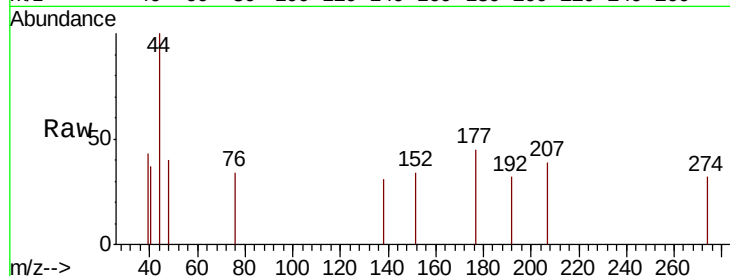




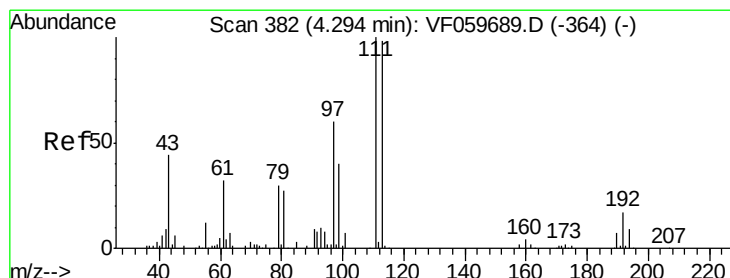
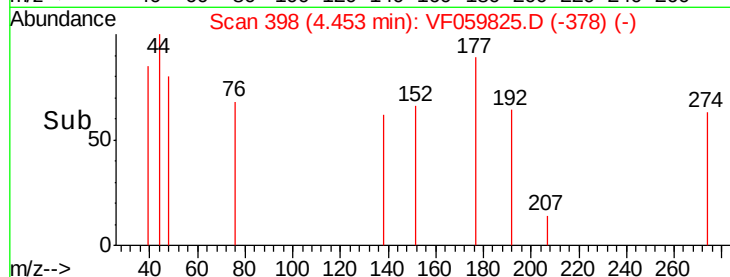
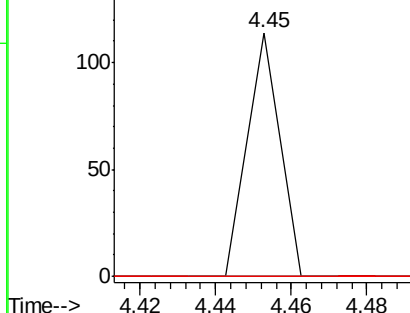
#36
1,1-Dichloropropene
Concen: Below Cal
RT: 4.45 min Scan# 398
Delta R.T. 0.00 min
Lab File: VF059825.D
Acq: 3 Aug 2018 4:25

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

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

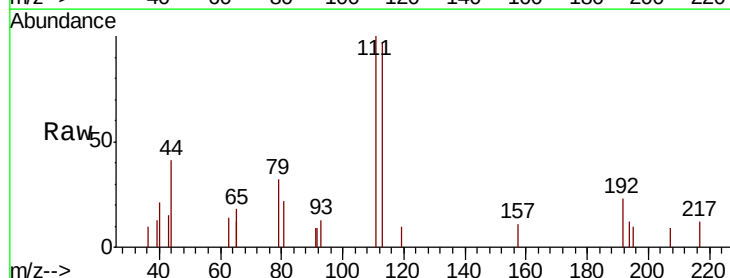


Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 110.00 (109.70 to 110.70): V
Ion 77.00 (76.70 to 77.70): VF0

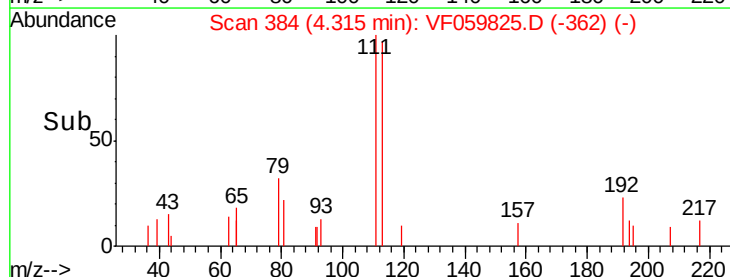
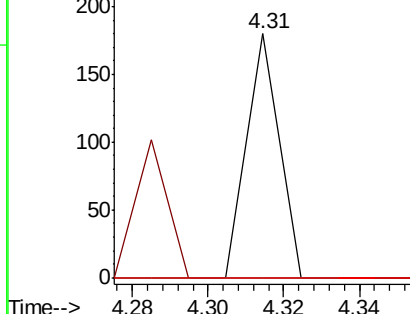


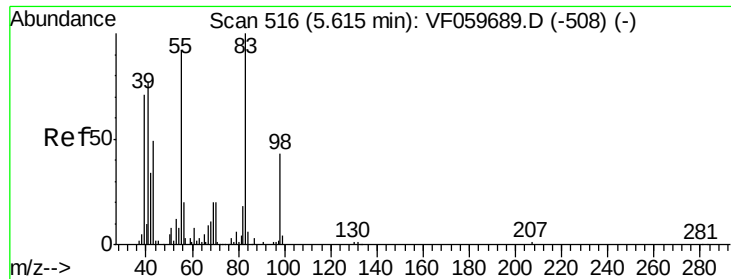
#37
Ethyl Acetate
Concen: Below Cal
RT: 4.31 min Scan# 384
Delta R.T. 0.02 min
Lab File: VF059825.D
Acq: 3 Aug 2018 4:25

Tgt 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

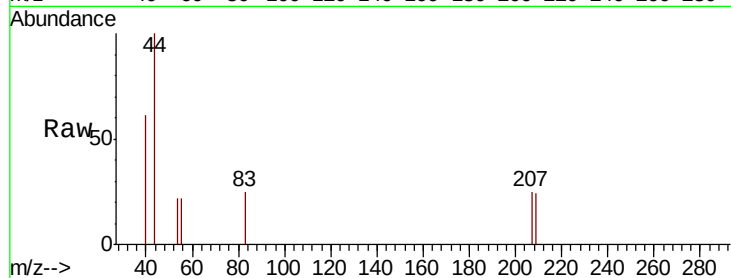




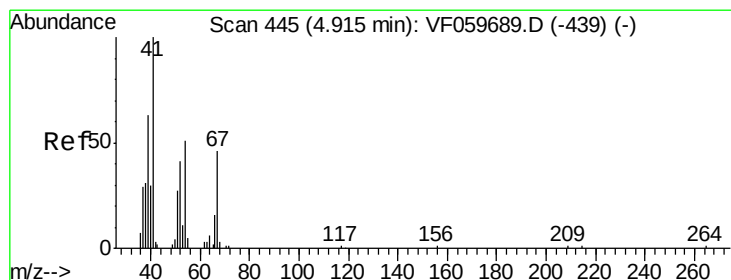
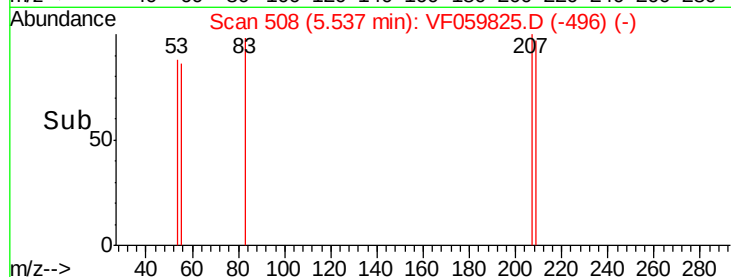
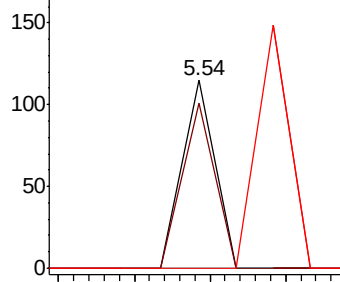
#39
Methylcyclohexane
Concen: Below Cal
RT: 5.54 min Scan# 508
Delta R.T. -0.08 min
Lab File: VF059825.D
Acq: 3 Aug 2018 4:25

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

Tot Ion: 83 Resp: 68
Ion Ratio Lower Upper
83 100
55 87.8 73.4 110.2
98 0.0 34.2 51.4#

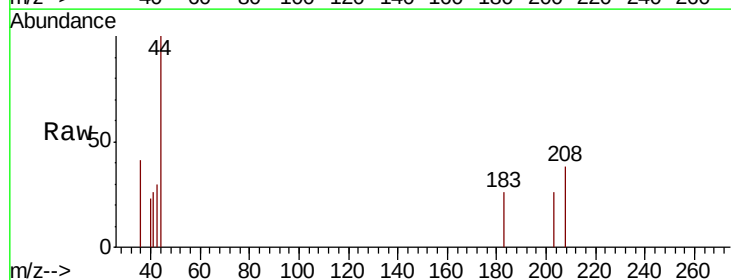


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

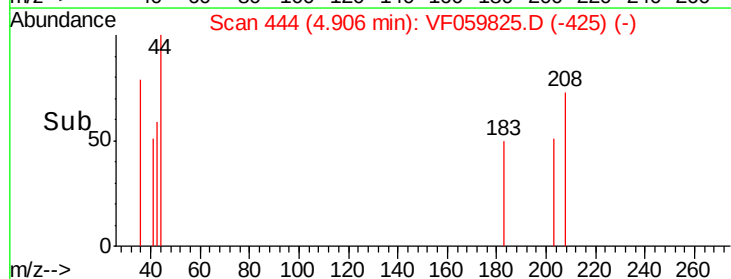
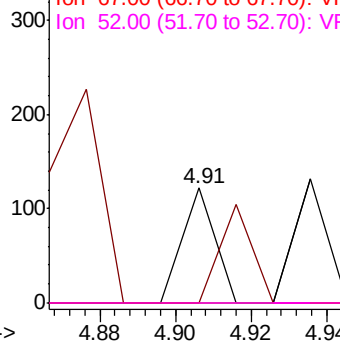


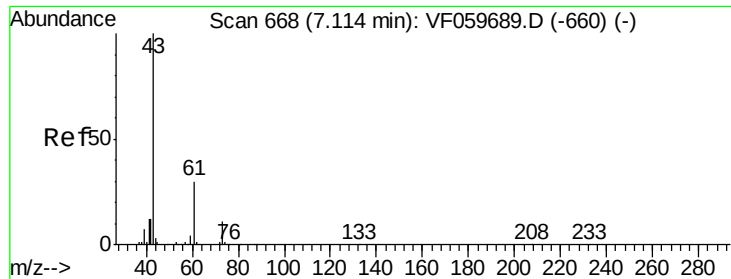
#41
Methacrylonitrile
Concen: Below Cal
RT: 4.91 min Scan# 444
Delta R.T. -0.01 min
Lab File: VF059825.D
Acq: 3 Aug 2018 4:25

Tgt Ion: 41 Resp: 72
Ion Ratio Lower Upper
41 100
39 0.0 55.2 82.8#
67 0.0 36.2 54.2#
52 0.0 37.7 56.5#



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

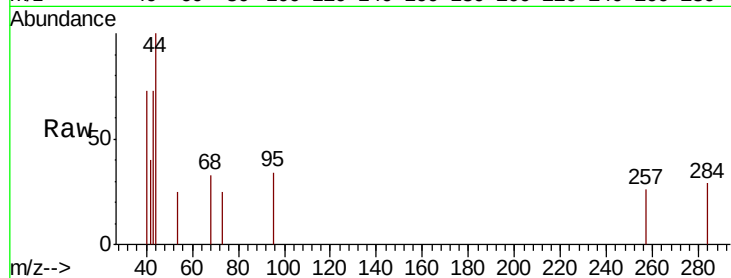




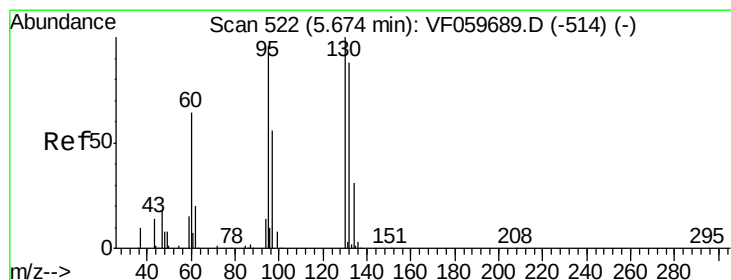
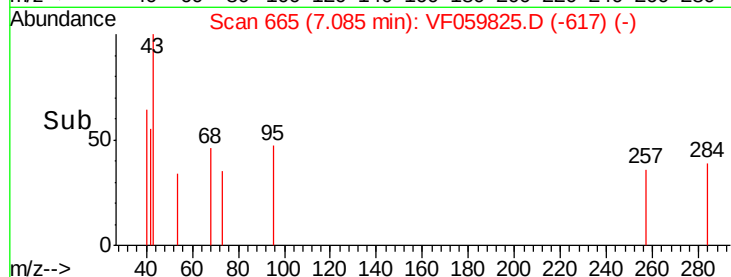
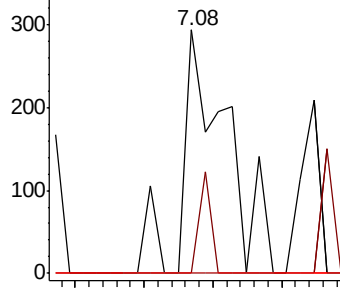
#43
Isopropyl Acetate
Concen: 3.317 ug/l
RT: 7.08 min Scan# 665
Delta R.T. -0.03 min
Lab File: VF059825.D
Acq: 3 Aug 2018 4:25

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

Tot Ion: 43 Resp: 656
Ion Ratio Lower Upper
43 100
61 0.0 23.8 35.8#
87 0.0 0.6 1.0#

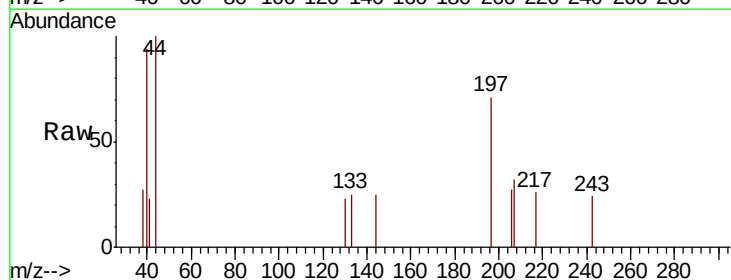


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 87.00 (86.70 to 87.70): VF0

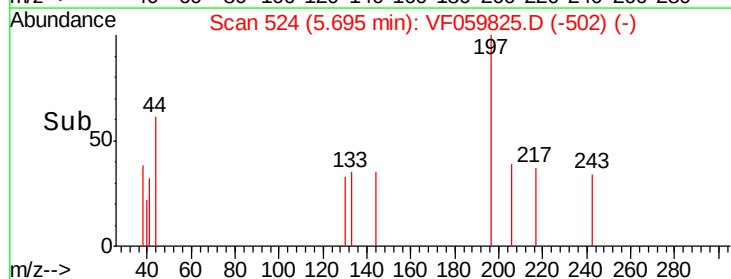
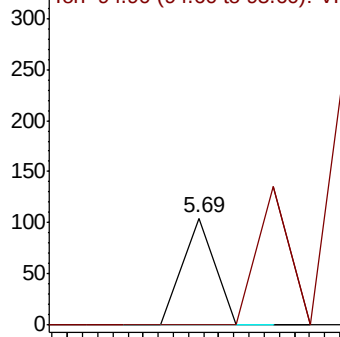


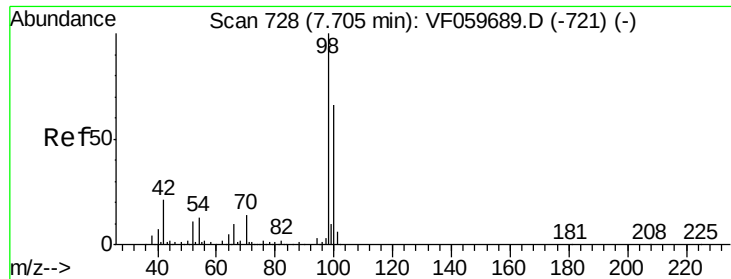
#44
Trichloroethene
Concen: Below Cal
RT: 5.69 min Scan# 524
Delta R.T. 0.02 min
Lab File: VF059825.D
Acq: 3 Aug 2018 4:25

Tgt Ion:130 Resp: 62
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: 34.175 ug/l

RT: 7.71 min Scan# 728

Delta R.T. 0.00 min

Lab File: VF059825.D

Acq: 3 Aug 2018 4:25

Instrument :

MSVOA_F

ClientSampleId :

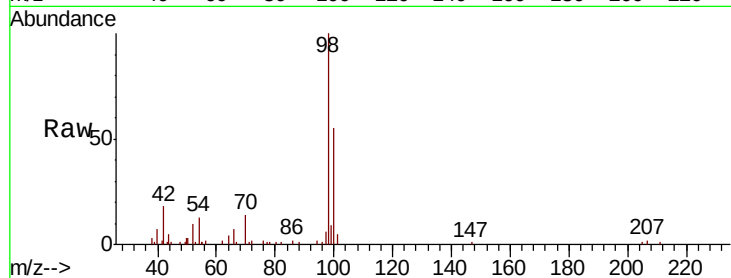
NORTHLAWN-PRECHAR-AREA-3-B

Tot Ion: 98 Resp: 27377

Ion Ratio Lower Upper

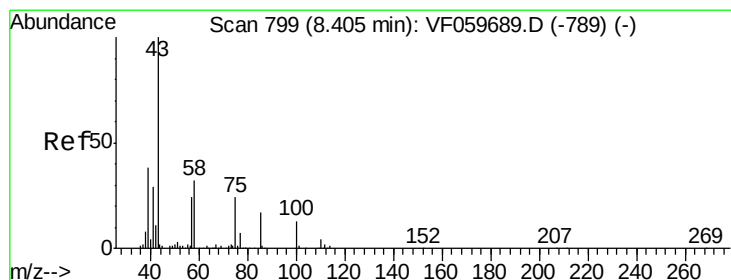
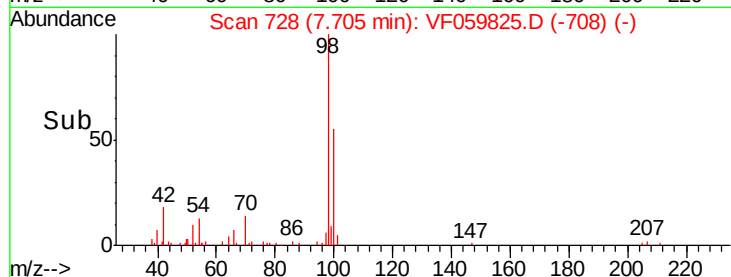
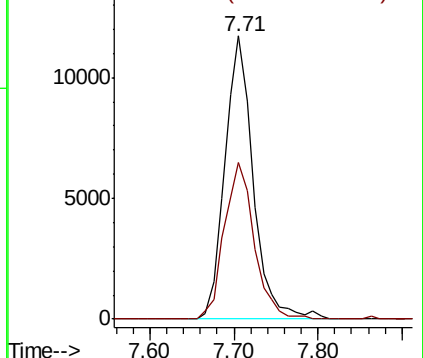
98 100

100 55.2 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



#51

4-Methyl-2-Pentanone

Concen: 8.282 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF059825.D

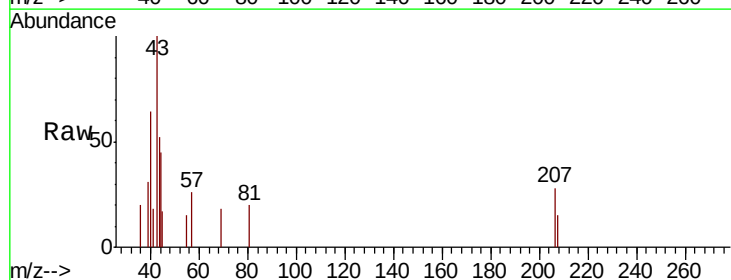
Acq: 3 Aug 2018 4:25

Tgt Ion: 43 Resp: 1246

Ion Ratio Lower Upper

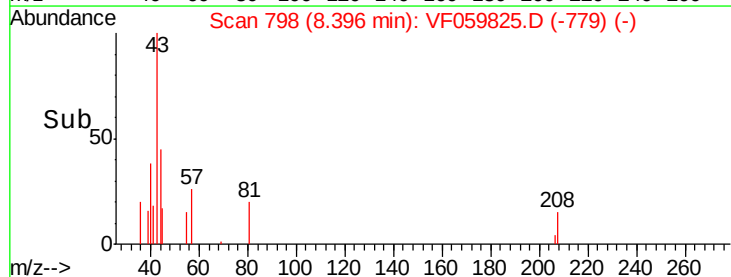
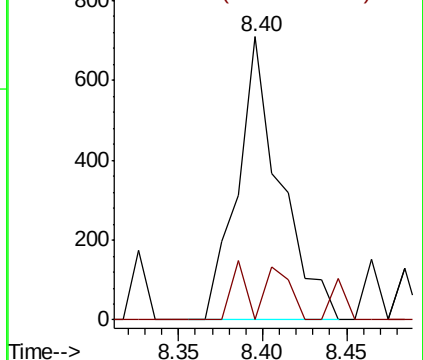
43 100

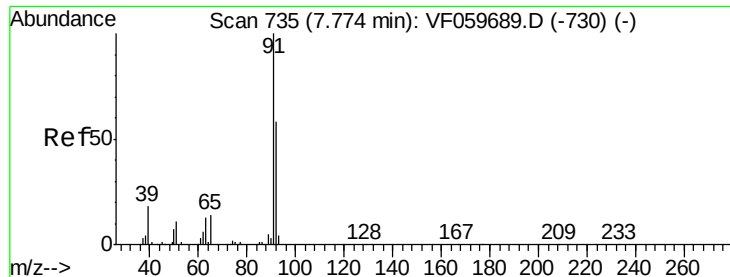
58 0.0 25.9 38.9#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

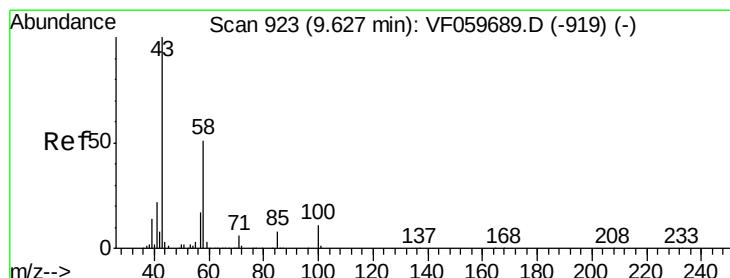
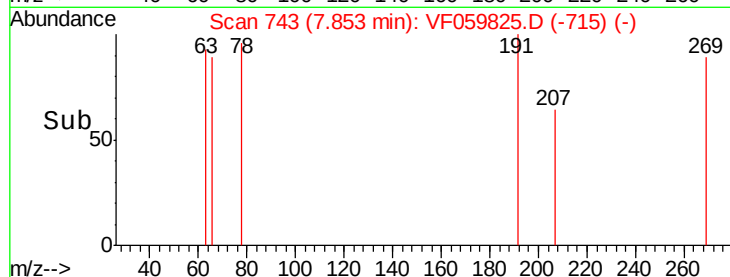
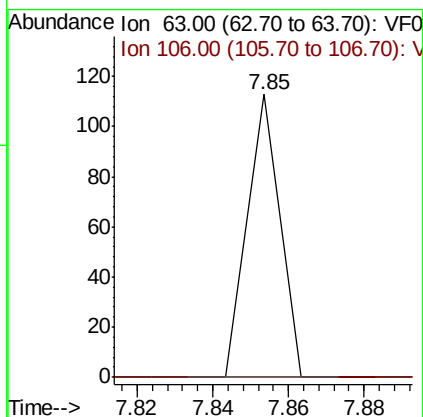
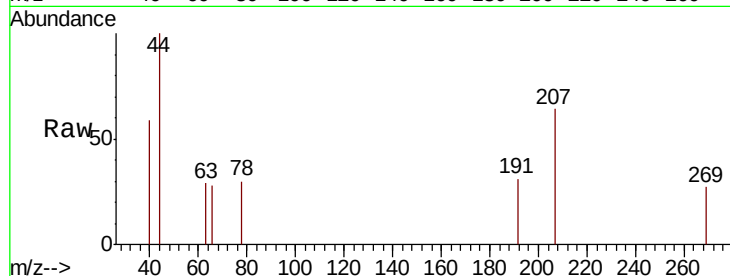




#58
 2-Chloroethyl Vinyl ether
 Concen: 3.076 ug/l
 RT: 7.85 min Scan# 743
 Delta R.T. 0.08 min
 Lab File: VF059825.D
 Acq: 3 Aug 2018 4:25

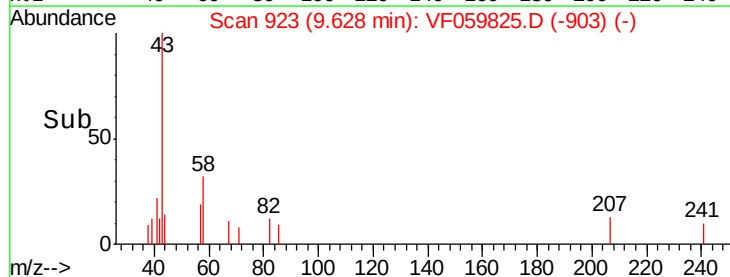
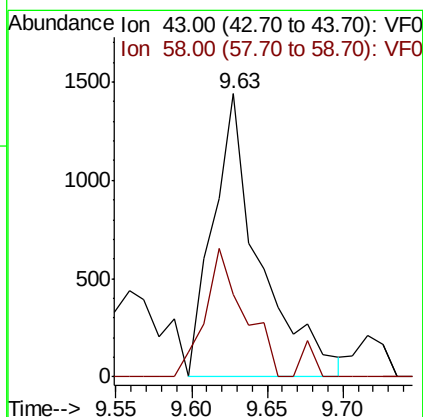
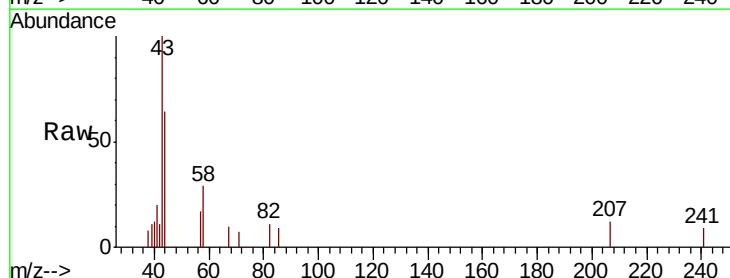
Instrument :
 MSVOA_F
 ClientSampleId :
 NORTHLAWN-PRECHAR-AREA-3-B

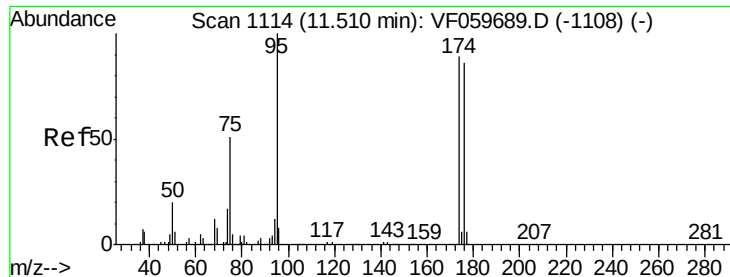
Tot Ion: 63 Resp: 67
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0



#59
 2-Hexanone
 Concen: 25.673 ug/l
 RT: 9.63 min Scan# 923
 Delta R.T. 0.00 min
 Lab File: VF059825.D
 Acq: 3 Aug 2018 4:25

Tgt Ion: 43 Resp: 3095
 Ion Ratio Lower Upper
 43 100
 58 29.1 23.3 69.8





#62

4-Bromofluorobenzene

Concen: 12.972 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VF059825.D

Acq: 3 Aug 2018 4:25

Instrument :

MSVOA_F

ClientSampleId :

NORTHLAWN-PRECHAR-AREA-3-B

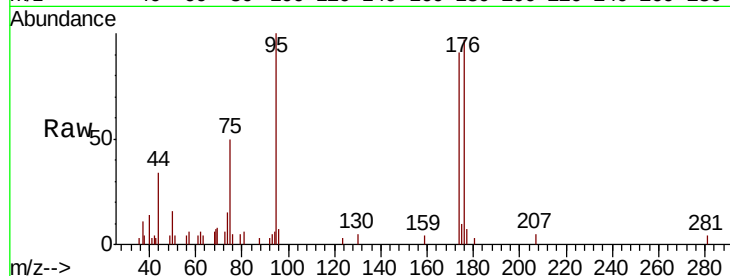
Tot Ion: 95 Resp: 5753

Ion Ratio Lower Upper

95 100

174 91.0 0.0 178.4

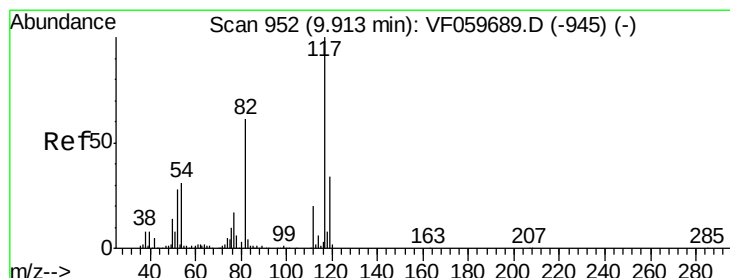
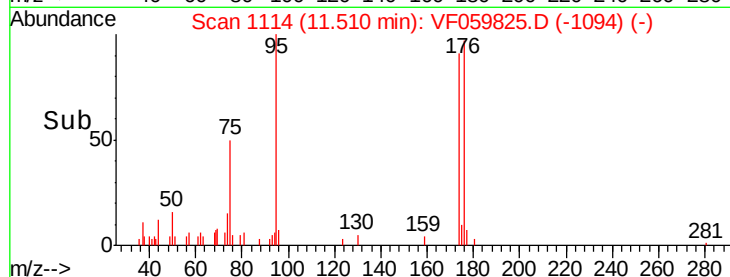
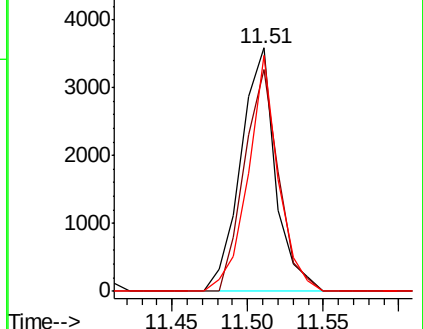
176 97.1 0.0 173.0



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: 9.91 min Scan# 952

Delta R.T. 0.00 min

Lab File: VF059825.D

Acq: 3 Aug 2018 4:25

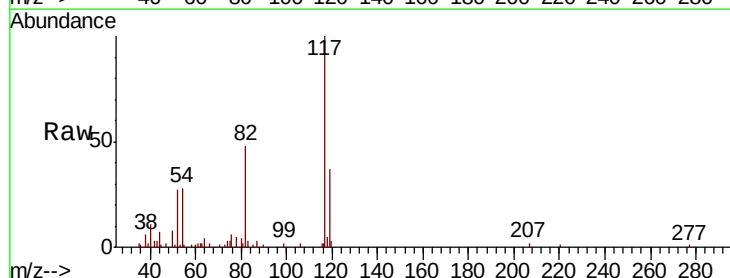
Tgt Ion: 117 Resp: 21789

Ion Ratio Lower Upper

117 100

82 47.7 49.0 73.4#

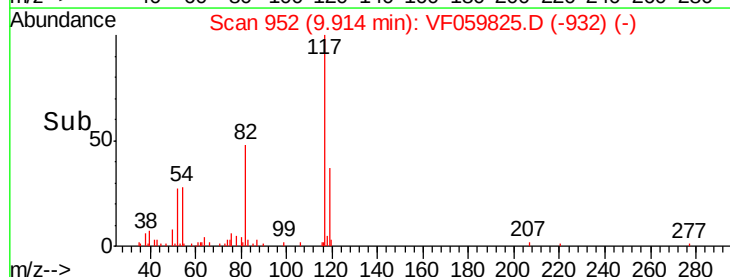
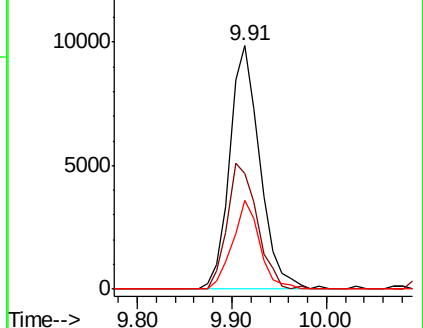
119 36.7 27.3 40.9

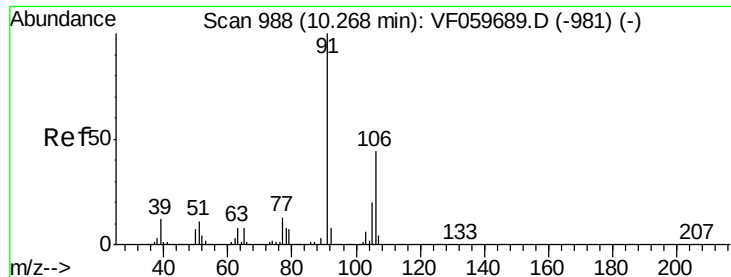


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V





#68

m/p-Xylenes

Concen: Below Cal

RT: 10.25 min Scan# 986

Delta R.T. -0.02 min

Lab File: VF059825.D

Acq: 3 Aug 2018 4:25

Instrument :

MSVOA_F

ClientSampleId :

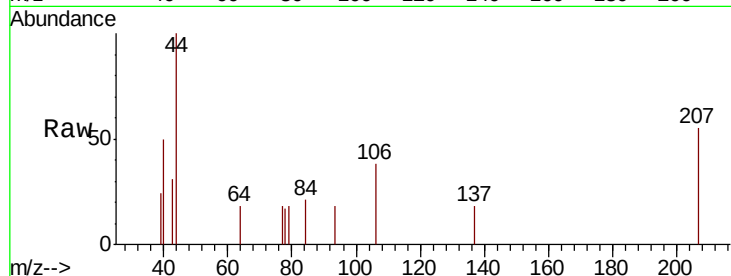
NORTHLAWN-PRECHAR-AREA-3-B

Tot Ion:106 Resp: 261

Ion Ratio Lower Upper

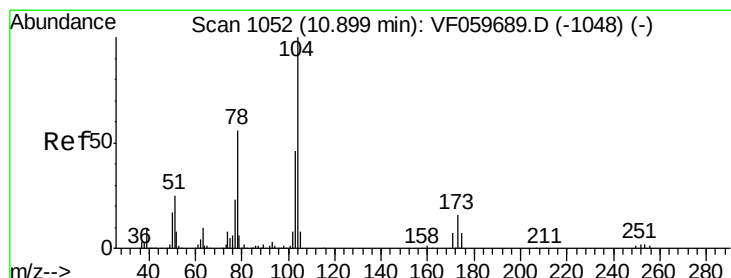
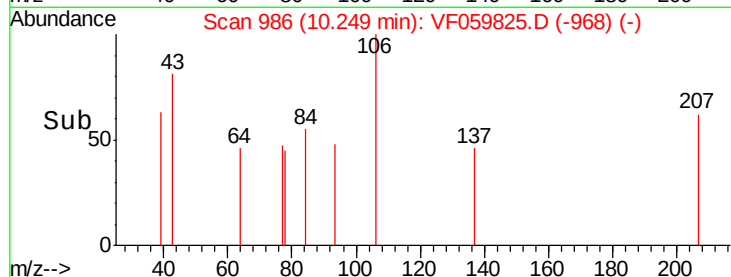
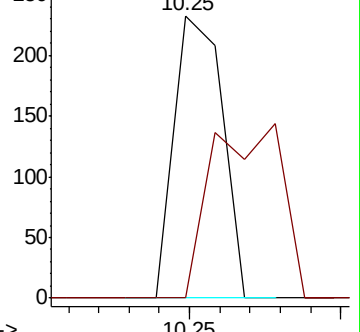
106 100

91 0.0 181.7 272.5#



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0



#70

Styrene

Concen: 1.069 ug/l

RT: 10.91 min Scan# 1053

Delta R.T. 0.01 min

Lab File: VF059825.D

Acq: 3 Aug 2018 4:25

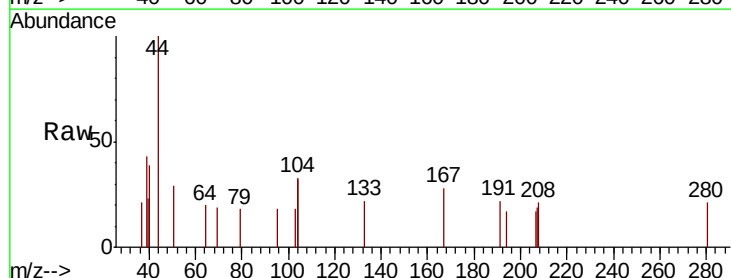
Tgt Ion:104 Resp: 450

Ion Ratio Lower Upper

104 100

78 0.0 45.3 67.9#

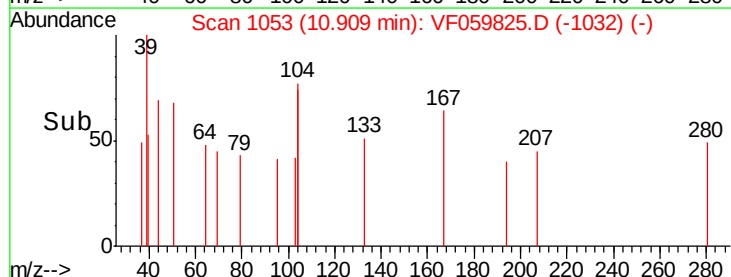
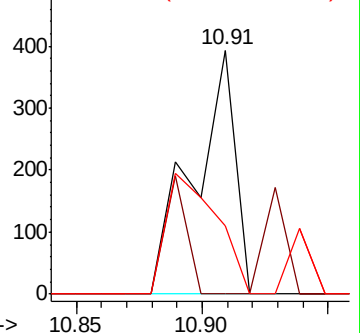
103 27.7 36.6 54.8#

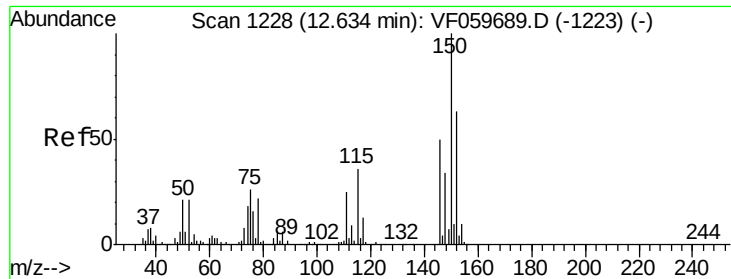


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VF0

Ion 103.00 (102.70 to 103.70): V



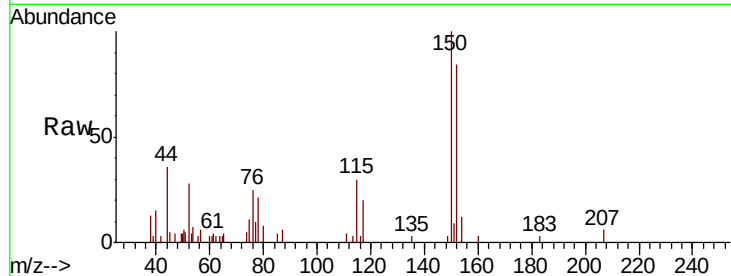


#72

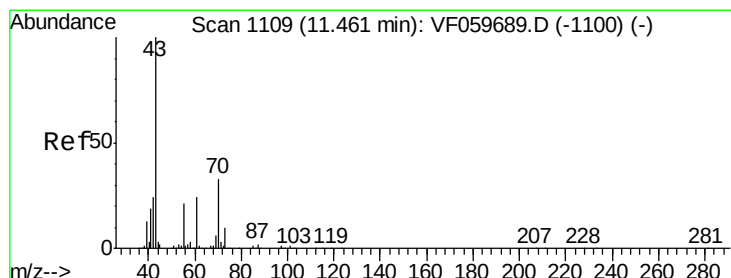
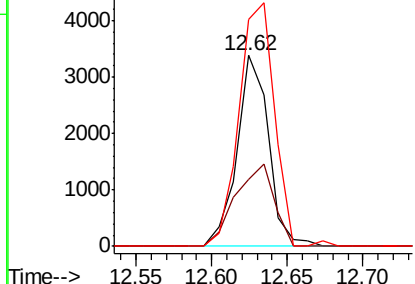
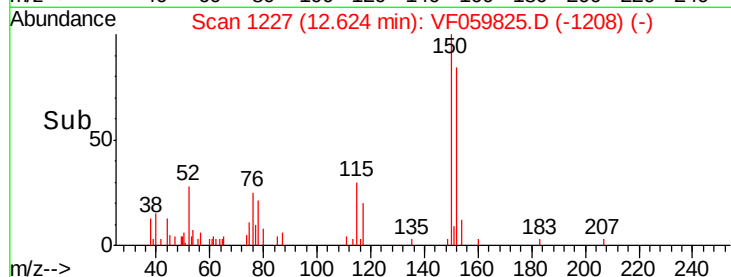
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1227
Delta R.T. -0.01 min
Lab File: VF059825.D
Acq: 3 Aug 2018 4:25

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

Tot Ion:152 Resp: 4886
Ion Ratio Lower Upper
152 100
115 35.4 28.2 84.6
150 119.2 0.0 316.2



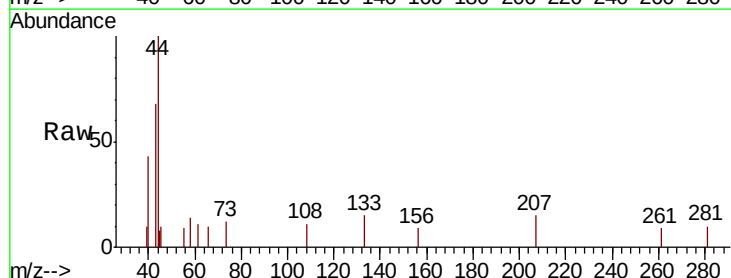
Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V



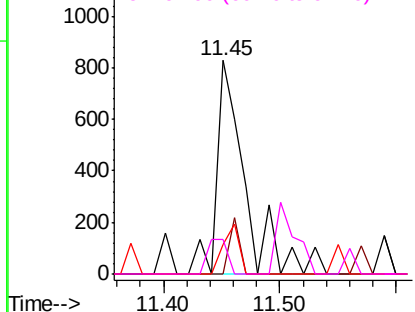
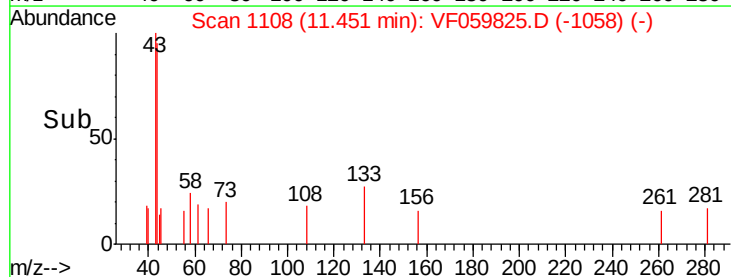
#74

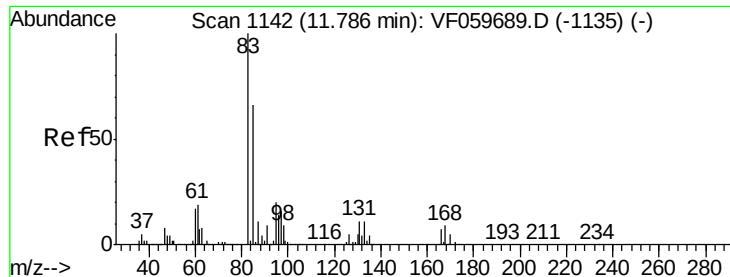
N-amil acetate
Concen: 17.359 ug/l
RT: 11.45 min Scan# 1108
Delta R.T. -0.01 min
Lab File: VF059825.D
Acq: 3 Aug 2018 4:25

Tgt Ion: 43 Resp: 1404
Ion Ratio Lower Upper
43 100
70 0.0 26.3 39.5#
55 13.5 16.6 25.0#
61 15.9 19.1 28.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 70.00 (69.70 to 70.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 1.044 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF059825.D

Acq: 3 Aug 2018 4:25

Instrument :

MSVOA_F

ClientSampleId :

NORTHLAWN-PRECHAR-AREA-3-B

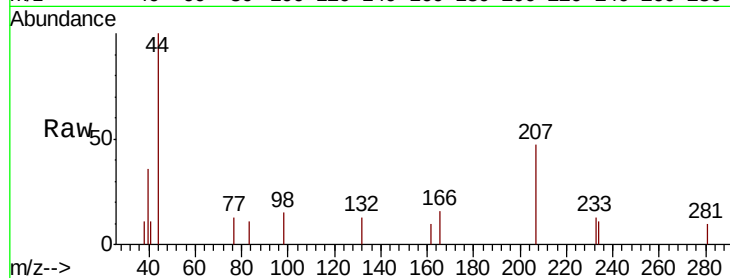
Tot Ion: 83 Resp: 63

Ion Ratio Lower Upper

83 100

131 0.0 5.8 17.3#

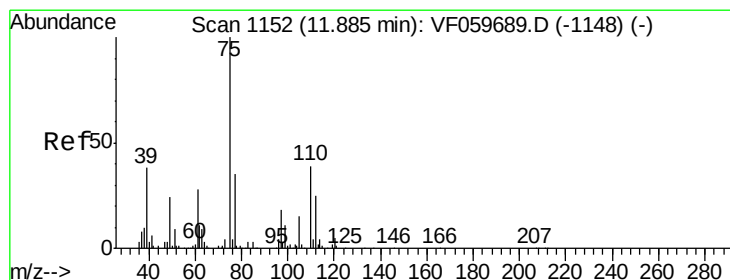
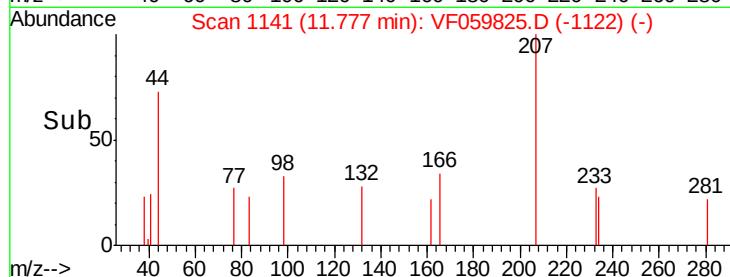
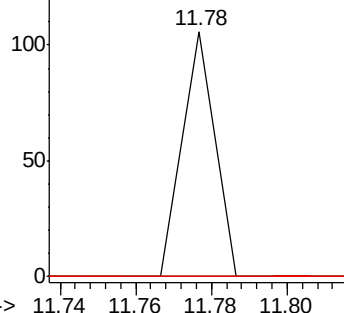
85 0.0 32.8 98.3#



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 1.559 ug/l

RT: 11.89 min Scan# 1153

Delta R.T. 0.01 min

Lab File: VF059825.D

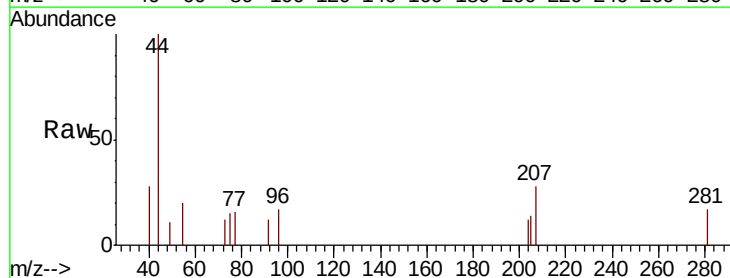
Acq: 3 Aug 2018 4:25

Tgt Ion: 75 Resp: 80

Ion Ratio Lower Upper

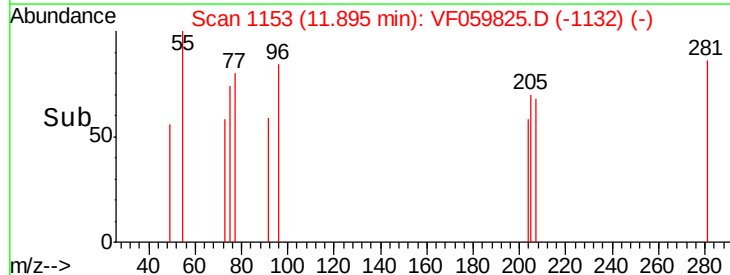
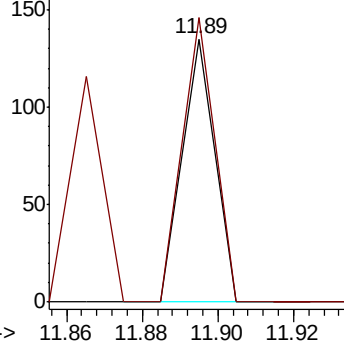
75 100

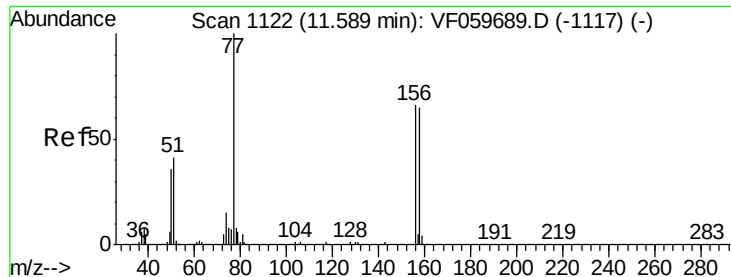
77 108.1 18.0 54.0#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 1.911 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VF059825.D

Acq: 3 Aug 2018 4:25

Instrument :

MSVOA_F

ClientSampleId :

NORTHLAWN-PRECHAR-AREA-3-B

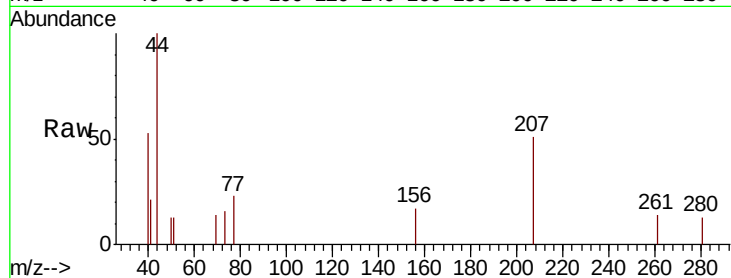
Tot Ion:156 Resp: 160

Ion Ratio Lower Upper

156 100

77 142.1 75.2 225.6

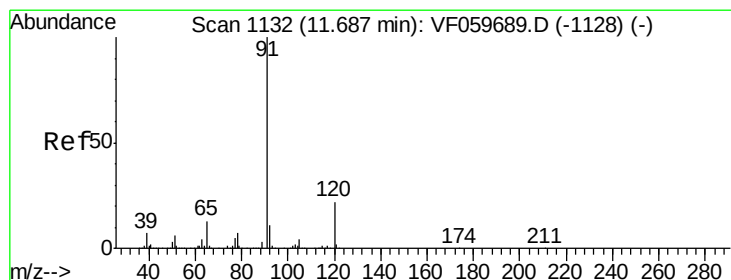
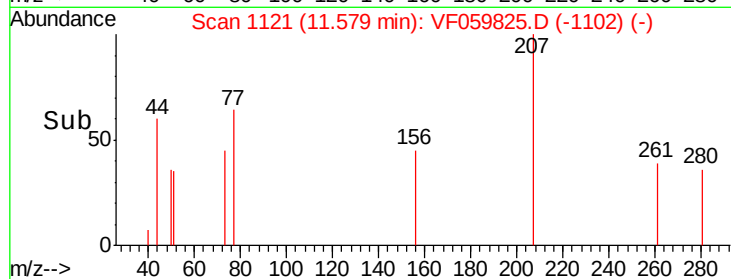
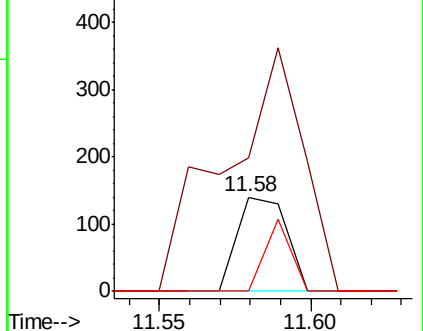
158 0.0 49.1 147.3#



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: Below Cal

RT: 11.67 min Scan# 1130

Delta R.T. -0.02 min

Lab File: VF059825.D

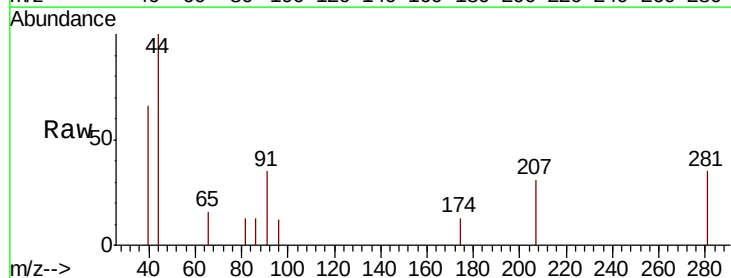
Acq: 3 Aug 2018 4:25

Tgt Ion: 91 Resp: 510

Ion Ratio Lower Upper

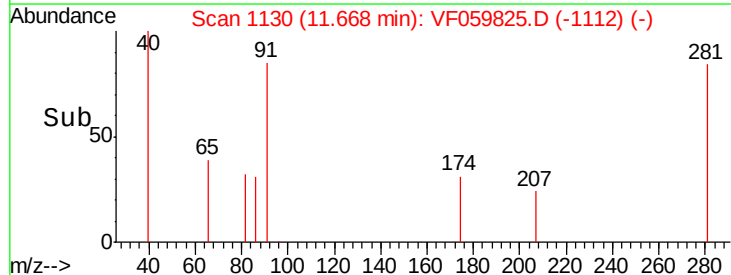
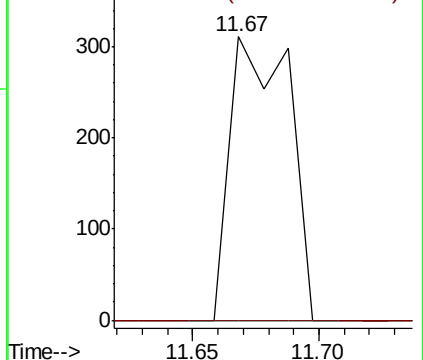
91 100

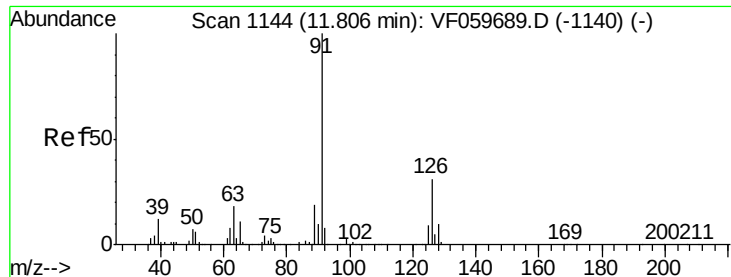
120 0.0 11.0 33.0#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

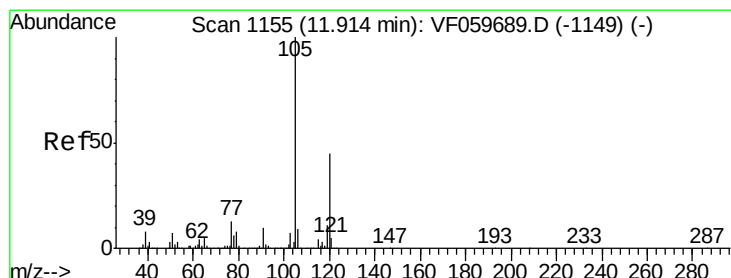
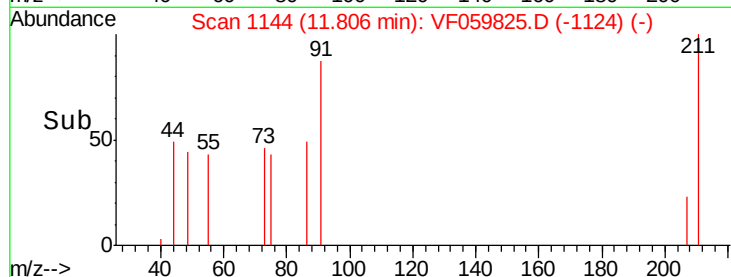
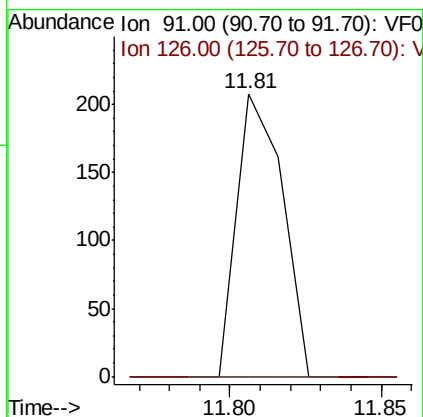
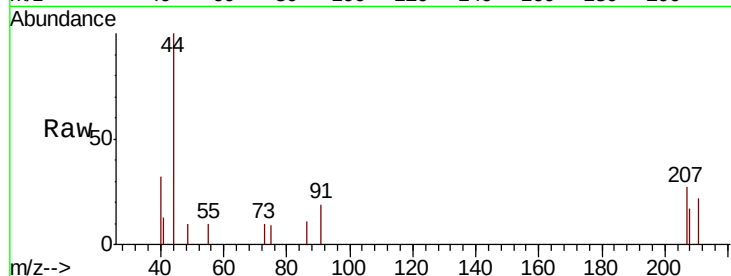




#79
 2-Chlorotoluene
 Concen: Below Cal
 RT: 11.81 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VF059825.D
 Acq: 3 Aug 2018 4:25

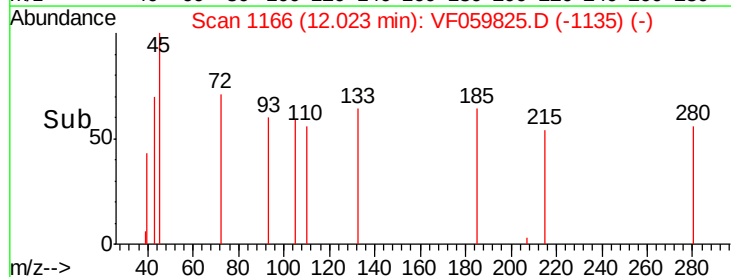
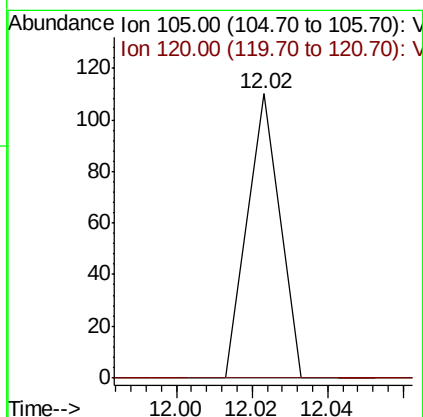
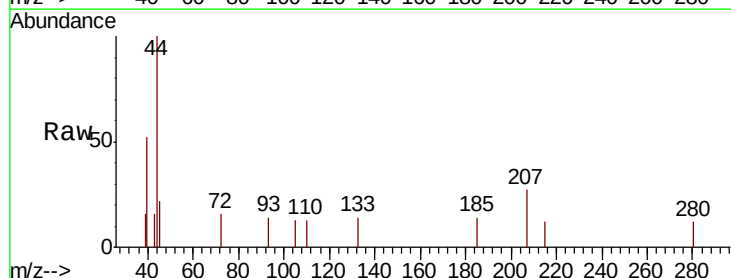
Instrument :
 MSVOA_F
 ClientSampleId :
 NORTHLAWN-PRECHAR-AREA-3-B

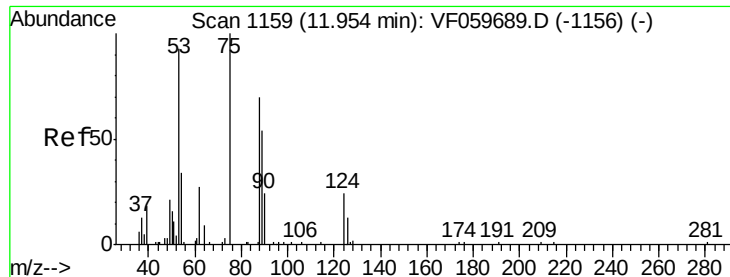
Tot Ion: 91 Resp: 219
 Ion Ratio Lower Upper
 91 100
 126 0.0 15.4 46.2#



#80
 1,3,5-Trimethylbenzene
 Concen: Below Cal
 RT: 12.02 min Scan# 1166
 Delta R.T. 0.11 min
 Lab File: VF059825.D
 Acq: 3 Aug 2018 4:25

Tgt Ion: 105 Resp: 65
 Ion Ratio Lower Upper
 105 100
 120 0.0 22.7 68.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 7.670 ug/l

RT: 11.94 min Scan# 1158

Delta R.T. -0.01 min

Lab File: VF059825.D

Acq: 3 Aug 2018 4:25

Instrument :

MSVOA_F

ClientSampleId :

NORTHLAWN-PRECHAR-AREA-3-B

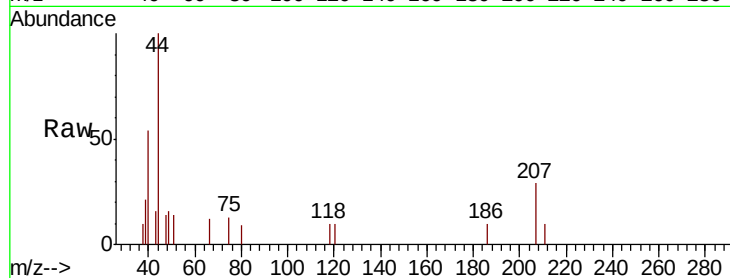
Tot Ion: 75 Resp: 163

Ion Ratio Lower Upper

75 100

53 0.0 78.3 117.5#

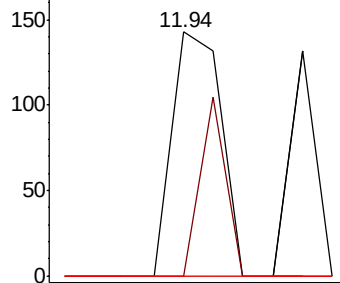
89 0.0 45.4 68.2#



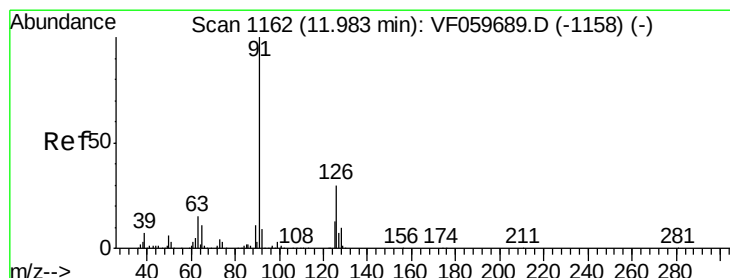
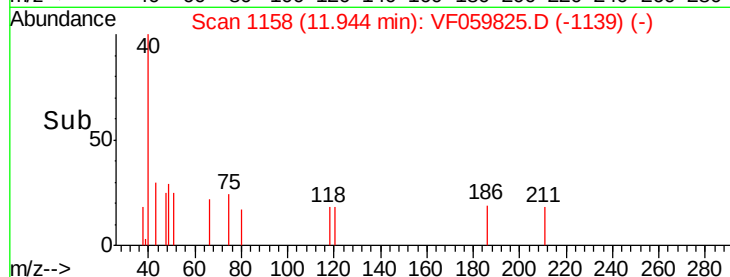
Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



Time--> 11.90



#82

4-Chlorotoluene

Concen: Below Cal

RT: 11.99 min Scan# 1163

Delta R.T. 0.01 min

Lab File: VF059825.D

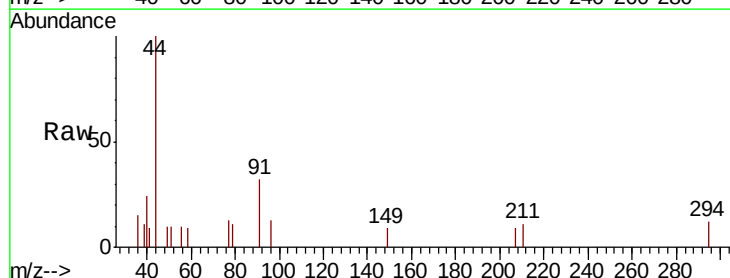
Acq: 3 Aug 2018 4:25

Tgt Ion: 91 Resp: 476

Ion Ratio Lower Upper

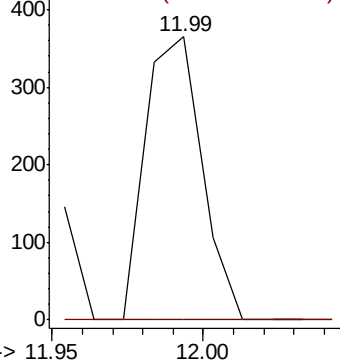
91 100

126 0.0 15.2 45.6#

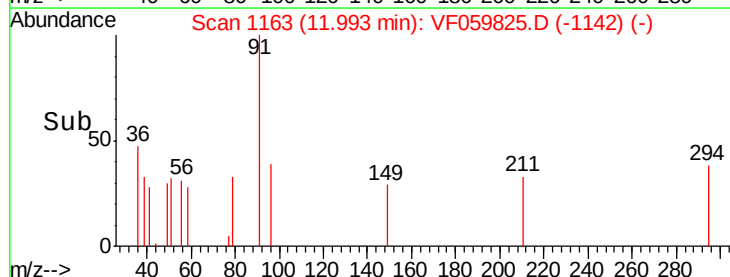


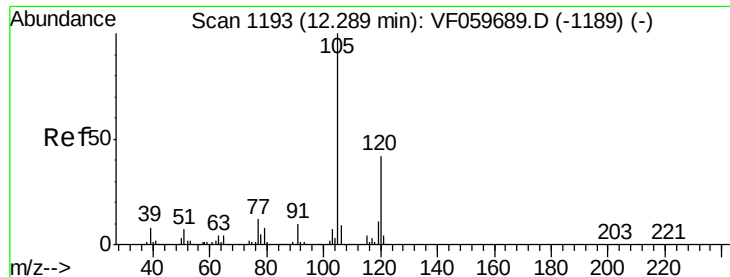
Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



Time--> 11.95

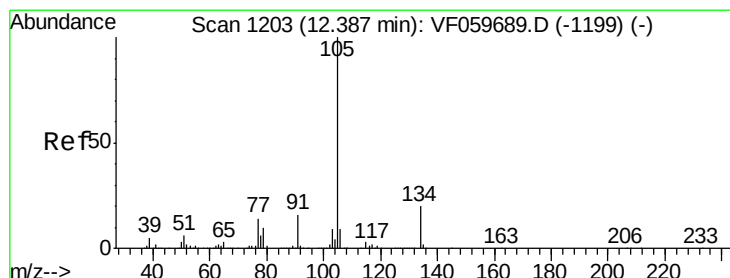
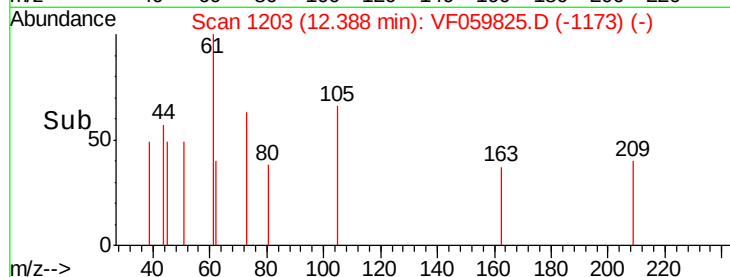
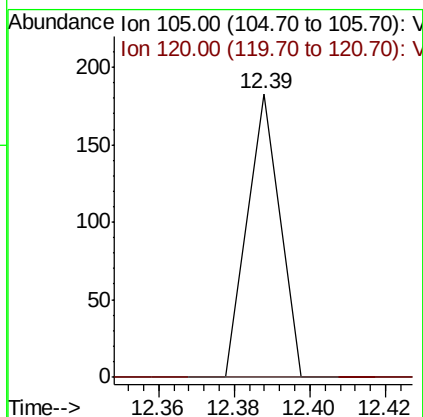
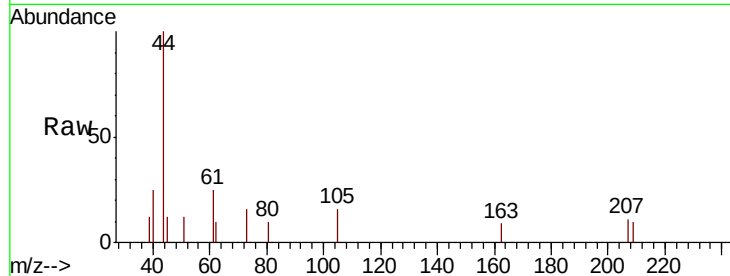




#84
 1,2,4-Trimethylbenzene
 Concen: Below Cal
 RT: 12.39 min Scan# 1203
 Delta R.T. 0.10 min
 Lab File: VF059825.D
 Acq: 3 Aug 2018 4:25

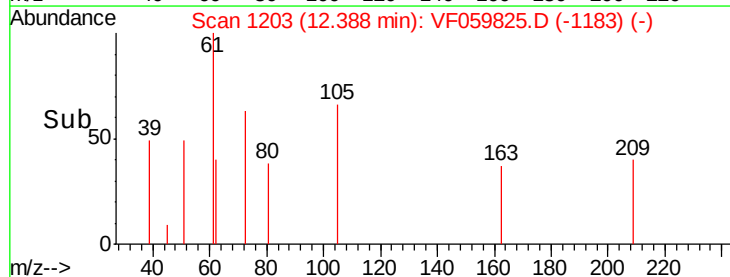
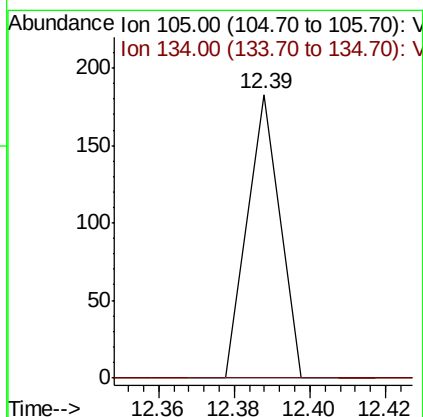
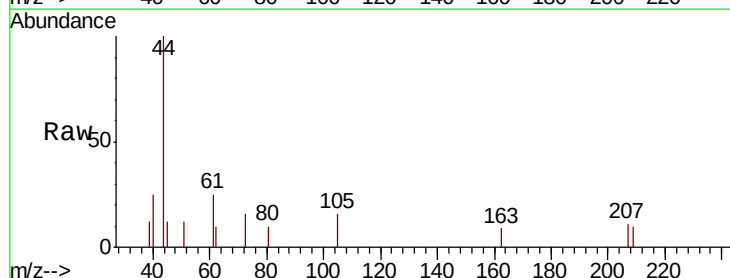
Instrument :
 MSVOA_F
 ClientSampleId :
 NORTHLAWN-PRECHAR-AREA-3-B

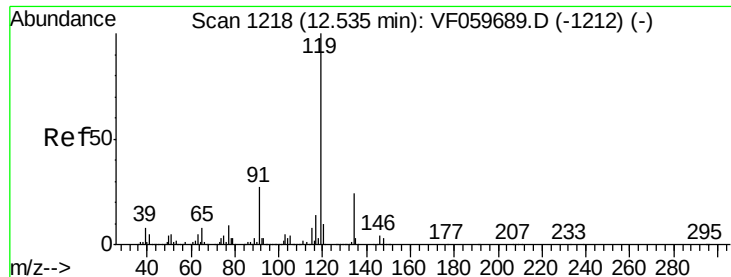
Tot Ion:105 Resp: 108
 Ion Ratio Lower Upper
 105 100
 120 0.0 21.1 63.3#



#85
 sec-Butylbenzene
 Concen: Below Cal
 RT: 12.39 min Scan# 1203
 Delta R.T. 0.00 min
 Lab File: VF059825.D
 Acq: 3 Aug 2018 4:25

Tgt Ion:105 Resp: 108
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.8 29.3#

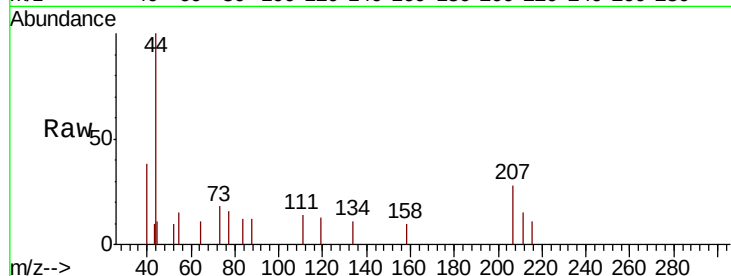




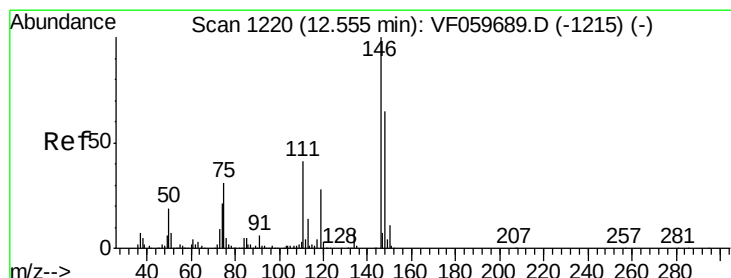
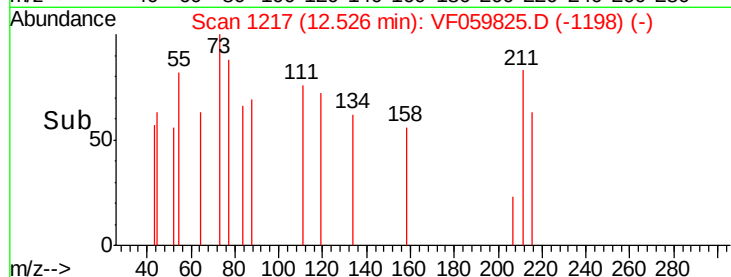
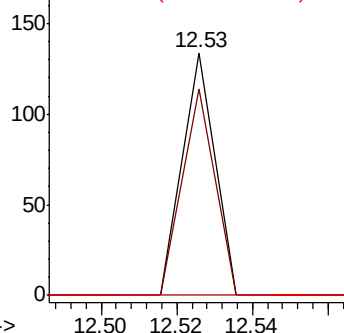
#86
 p-Isopropyltoluene
 Concen: Below Cal
 RT: 12.53 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: VF059825.D
 Acq: 3 Aug 2018 4:25

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

Tot Ion	Ratio	Lower	Upper
119	100		
134	85.1	12.2	36.6#
91	0.0	13.4	40.2#

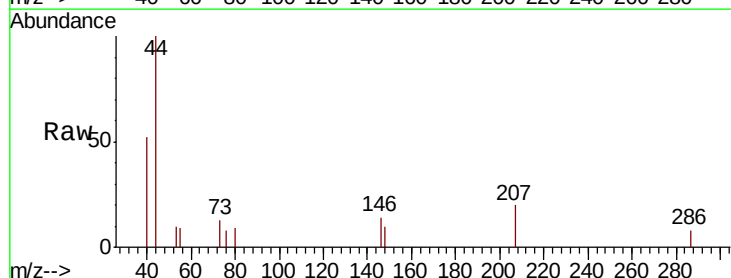


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): VF0

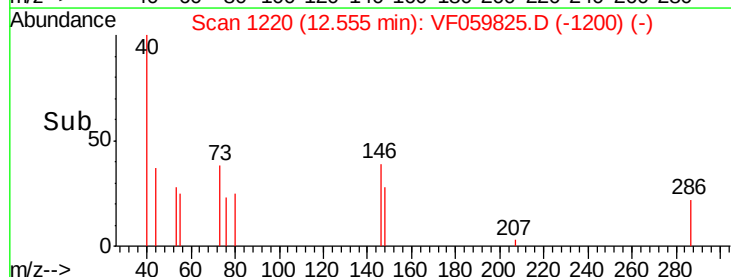
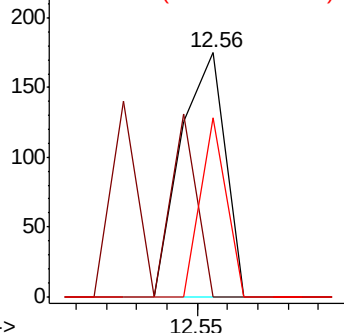


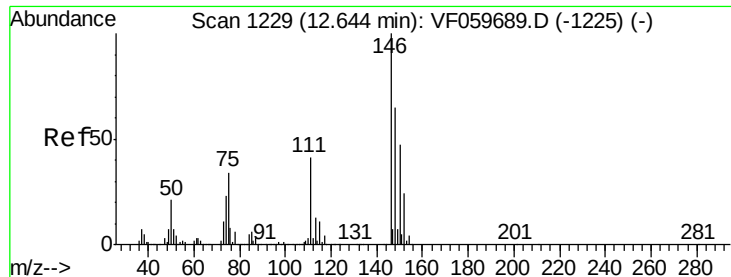
#87
 1,3-Dichlorobenzene
 Concen: Below Cal
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VF059825.D
 Acq: 3 Aug 2018 4:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	0.0	20.7	62.1#
148	73.1	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

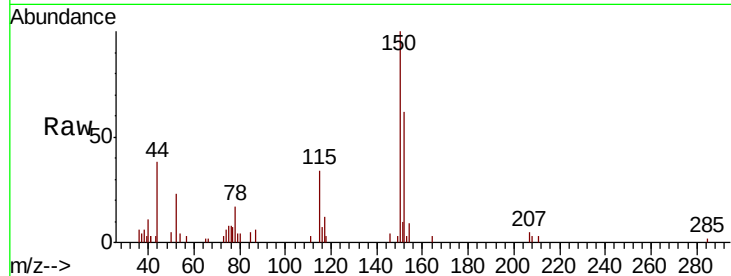




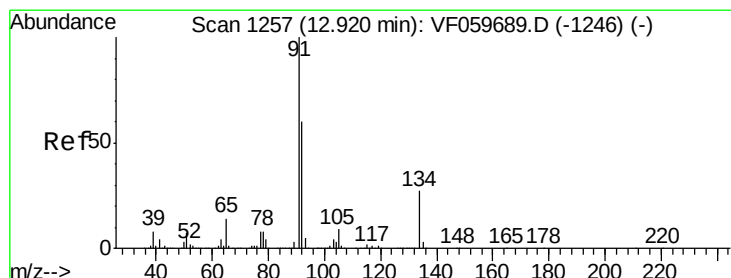
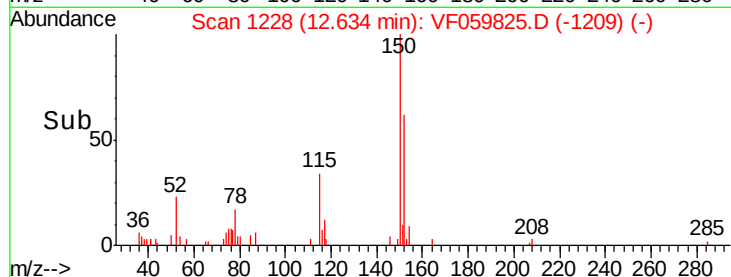
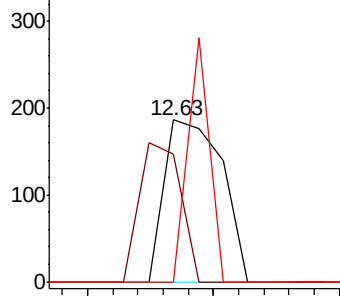
#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 12.63 min Scan# 1228
Delta R.T. -0.01 min
Lab File: VF059825.D
Acq: 3 Aug 2018 4:25

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

Tot Ion:146 Resp: 296
Ion Ratio Lower Upper
146 100
111 79.0 20.8 62.2#
148 0.0 32.3 96.9#

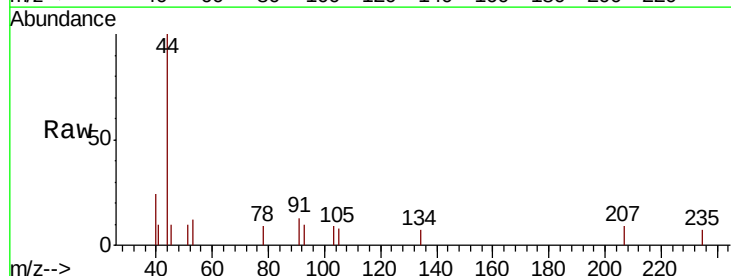


Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V

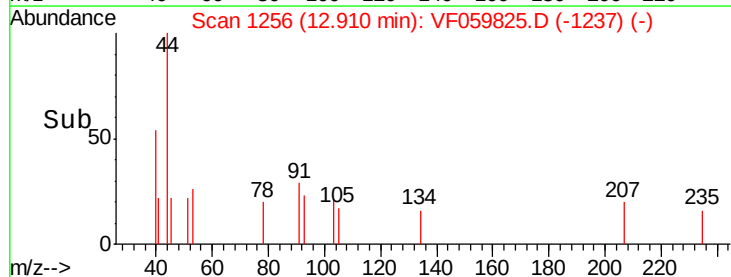
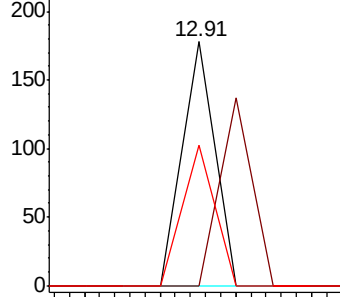


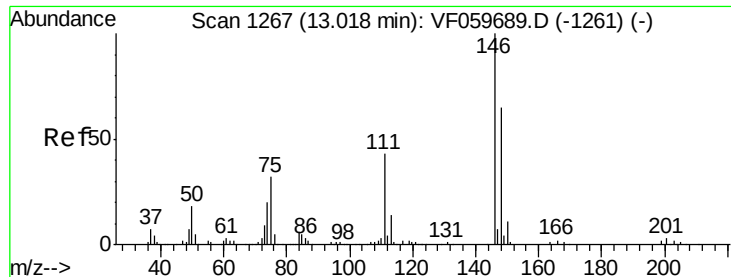
#89
n-Butylbenzene
Concen: Below Cal
RT: 12.91 min Scan# 1256
Delta R.T. -0.01 min
Lab File: VF059825.D
Acq: 3 Aug 2018 4:25

Tgt Ion: 91 Resp: 105
Ion Ratio Lower Upper
91 100
92 0.0 30.1 90.3#
134 57.3 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: VF059825.D

Acq: 3 Aug 2018 4:25

Instrument :

MSVOA_F

ClientSampleId :

NORTHLAWN-PRECHAR-AREA-3-B

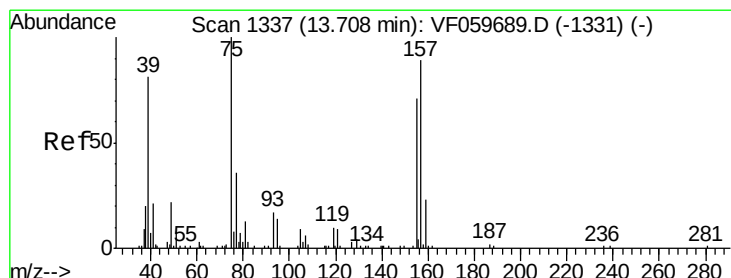
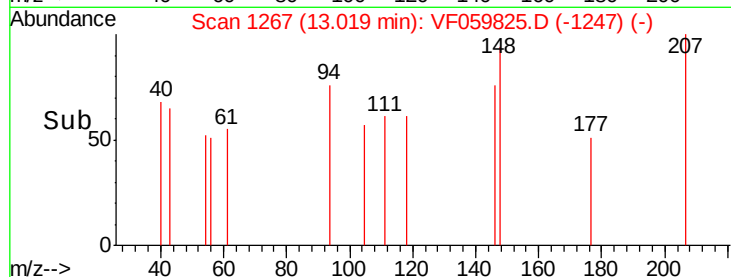
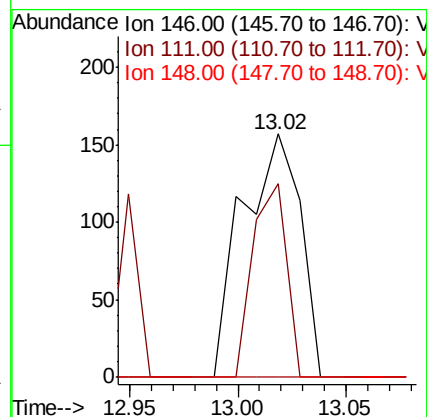
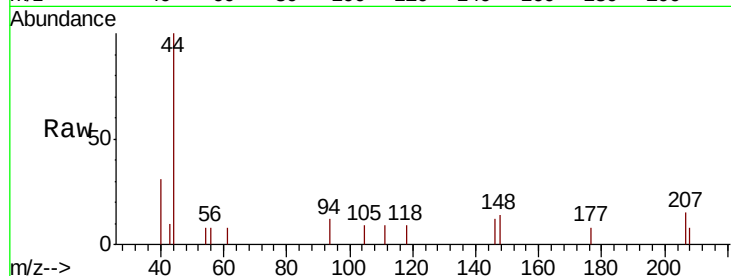
Tot Ion:146 Resp: 292

Ion Ratio Lower Upper

146 100

111 79.6 21.6 65.0#

148 0.0 32.3 96.9#



#92

1,2-Dibromo-3-Chloropropane

Concen: 4.677 ug/l

RT: 13.64 min Scan# 1330

Delta R.T. -0.07 min

Lab File: VF059825.D

Acq: 3 Aug 2018 4:25

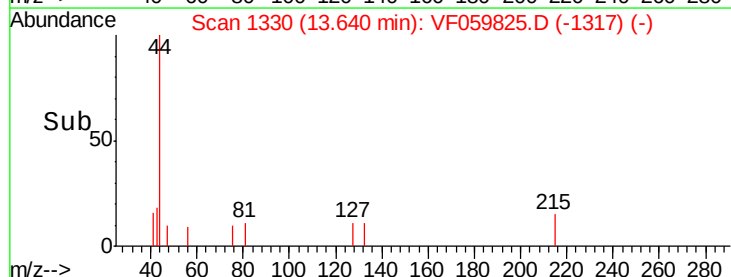
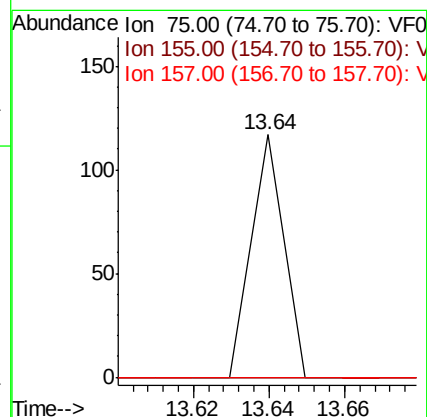
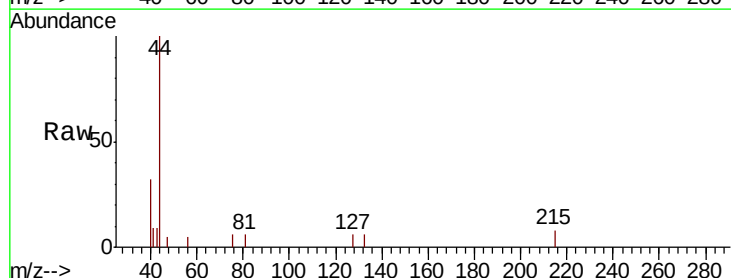
Tgt Ion: 75 Resp: 69

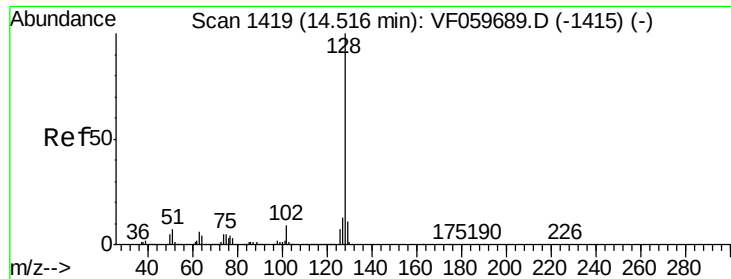
Ion Ratio Lower Upper

75 100

155 0.0 35.4 106.2#

157 0.0 44.4 133.2#





#95

Naphthalene

Concen: 4.771 ug/l

RT: 14.51 min Scan# 1418

Delta R.T. -0.01 min

Lab File: VF059825.D

Acq: 3 Aug 2018 4:25

Instrument :

MSVOA_F

ClientSampleId :

NORTHLAWN-PRECHAR-AREA-3-B

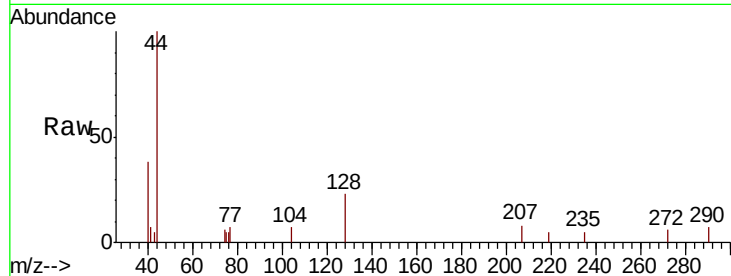
Tot Ion:128 Resp: 1005

Ion Ratio Lower Upper

128 100

127 0.0 10.0 15.0#

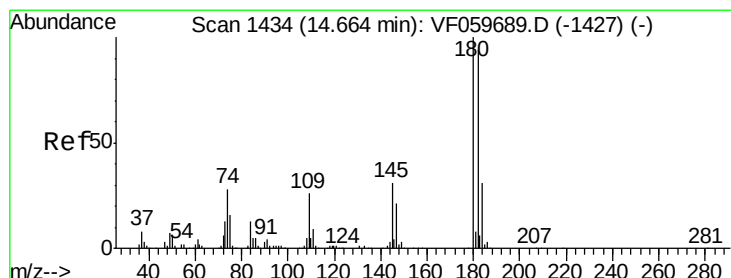
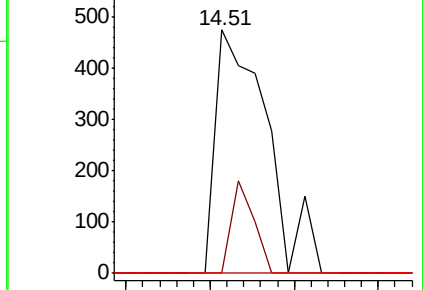
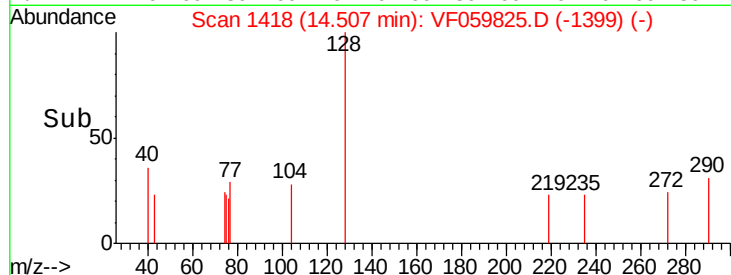
129 0.0 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 2.267 ug/l

RT: 14.65 min Scan# 1433

Delta R.T. -0.01 min

Lab File: VF059825.D

Acq: 3 Aug 2018 4:25

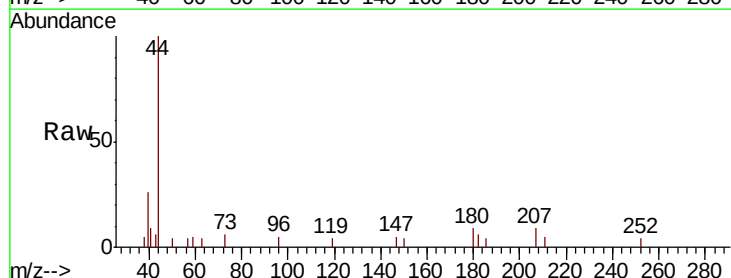
Tgt Ion:180 Resp: 264

Ion Ratio Lower Upper

180 100

182 65.4 47.2 141.6

145 0.0 15.6 46.7#



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

