

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF112718\
 Data File : VF060847.D
 Acq On : 27 Nov 2018 19:19
 Operator : VA/AP
 Sample : J6085-02RE
 Misc : 5.05µ/5mL/MSVOA-F/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 NS-OILY-STONERE

Quant Time: Nov 28 03:11:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.90	168	177733	50.00	µg/l	0.00
34) 1,4-Difluorobenzene	5.62	114	317488	50.00	µg/l	-0.02
63) Chlorobenzene-d5	9.81	117	260850	50.00	µg/l	0.00
72) 1,4-Dichlorobenzene-d4	12.57	152	112981	50.00	µg/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.87	65	135539	64.73	µg/l	0.00
Spiked Amount	50.000		Recovery	=	129.46%	
35) Dibromofluoromethane	4.14	113	152387	60.50	µg/l	0.00
Spiked Amount	50.000		Recovery	=	121.00%	
50) Toluene-d8	7.59	98	335268	45.19	µg/l	0.00
Spiked Amount	50.000		Recovery	=	90.38%	
62) 4-Bromofluorobenzene	11.43	95	144921	42.98	µg/l	0.00
Spiked Amount	50.000		Recovery	=	85.96%	

Target Compounds

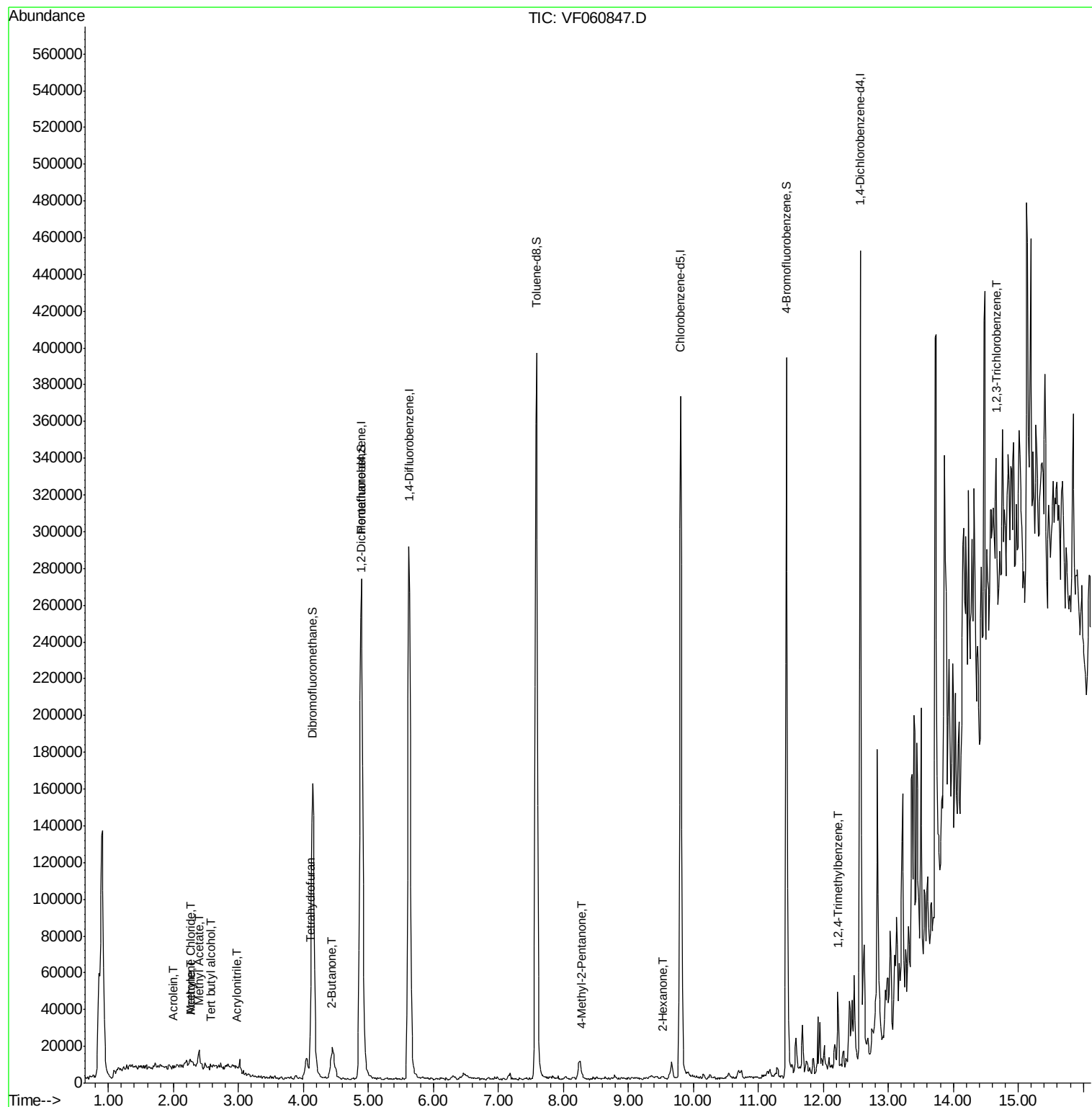
						Qvalue
11) Tert butyl alcohol	2.60	59	447	5.208	µg/l #	19
13) Acrolein	1.99	56	727	8.940	µg/l #	80
15) Acrylonitrile	2.98	53	780	4.054	µg/l #	32
16) Acetone	2.26	43	2511	6.503	µg/l	97
18) Methyl Acetate	2.40	43	5156	6.524	µg/l #	61
20) Methylene Chloride	2.26	84	2429	1.715	µg/l #	86
25) 2-Butanone	4.43	43	1247	1.867	µg/l	92
29) Tetrahydrofuran	4.10	42	308	1.088	µg/l #	37
41) Methacrylonitrile	4.77	41	488	Below Cal	#	55
43) Isopropyl Acetate	6.99	43	395	Below Cal	#	49
51) 4-Methyl-2-Pentanone	8.30	43	2361	1.789	µg/l #	86
59) 2-Hexanone	9.52	43	1468	1.586	µg/l #	27
84) 1,2,4-Trimethylbenzene	12.22	105	12210	1.688	µg/l	96
95) Naphthalene	14.48	128	12465	Below Cal	#	60
96) 1,2,3-Trichlorobenzene	14.66	180	8317	3.636	µg/l #	27

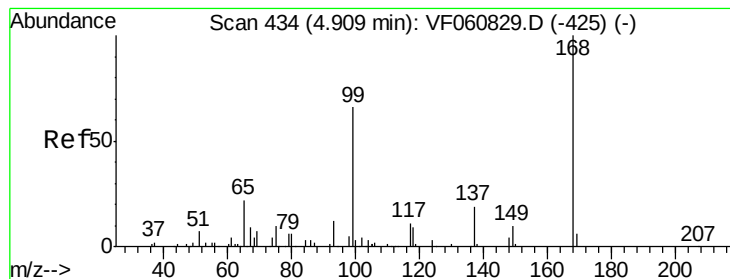
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.90 min Scan# 433

Delta R.T. -0.01 min

Lab File: VF060847.D

Acq: 27 Nov 2018 19:19

Instrument :

MSVOA_F

ClientSampleId :

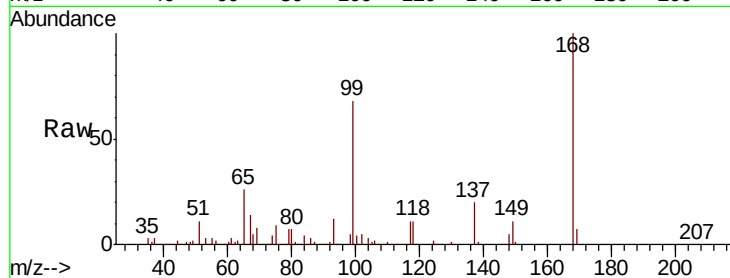
NS-OILY-STONERE

Tot Ion:168 Resp: 177733

Ion Ratio Lower Upper

168 100

99 68.3 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.90

60000

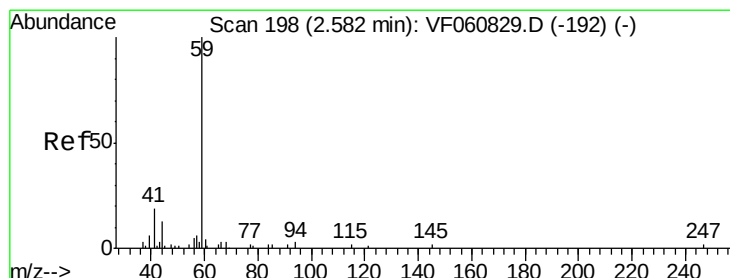
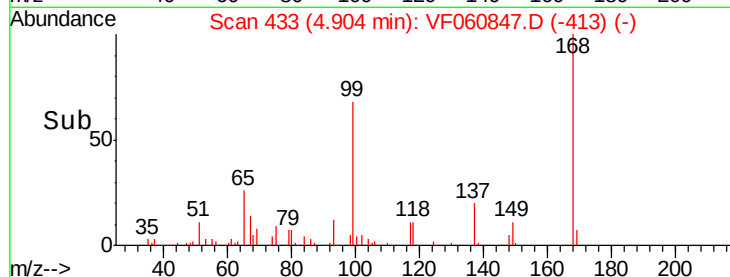
40000

20000

0

4.80 4.90 5.00

Time-->



#11

Tert butyl alcohol

Concen: 5.208 ug/l

RT: 2.60 min Scan# 199

Delta R.T. 0.01 min

Lab File: VF060847.D

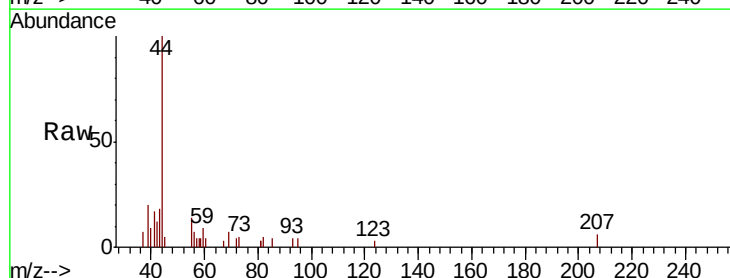
Acq: 27 Nov 2018 19:19

Tgt Ion: 59 Resp: 447

Ion Ratio Lower Upper

59 100

57 50.2 12.7 19.1#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.60

300

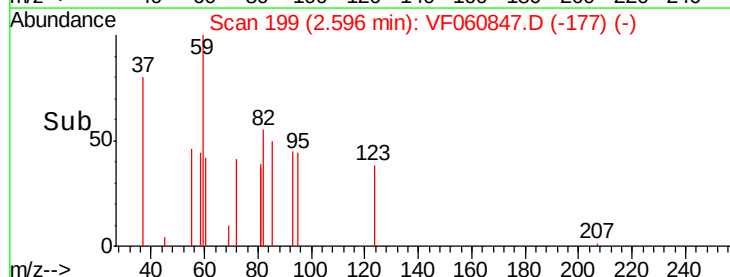
200

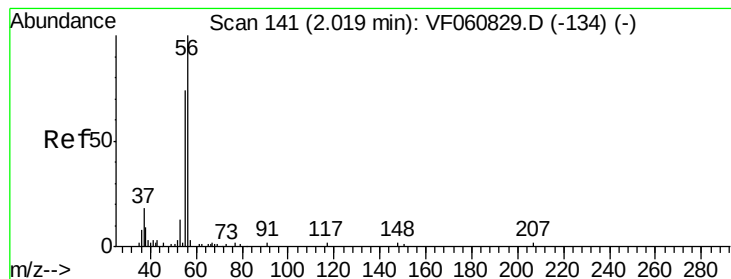
100

0

2.55 2.60 2.65

Time-->





#13

Acrolein

Concen: 8.940 ug/l

RT: 1.99 min Scan# 138

Delta R.T. -0.03 min

Lab File: VF060847.D

Acq: 27 Nov 2018 19:19

Instrument :

MSVOA_F

ClientSampleId :

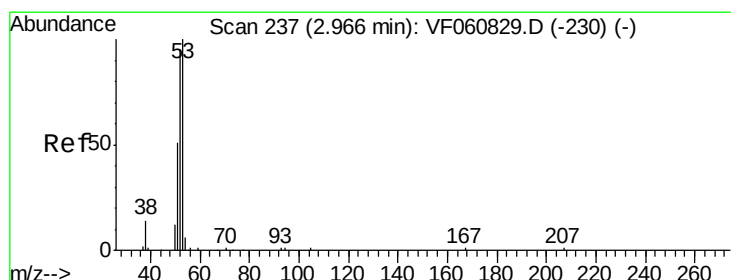
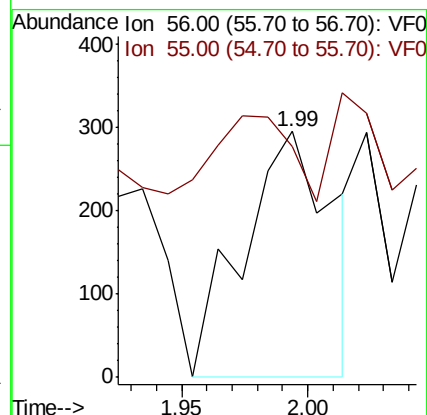
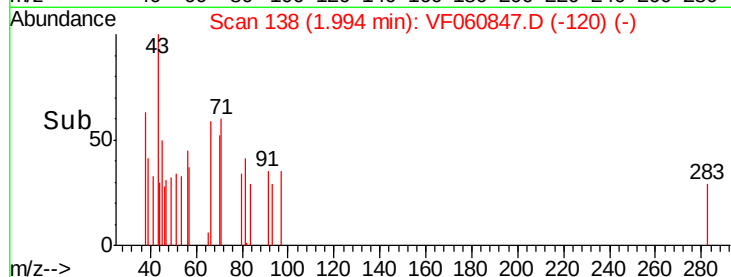
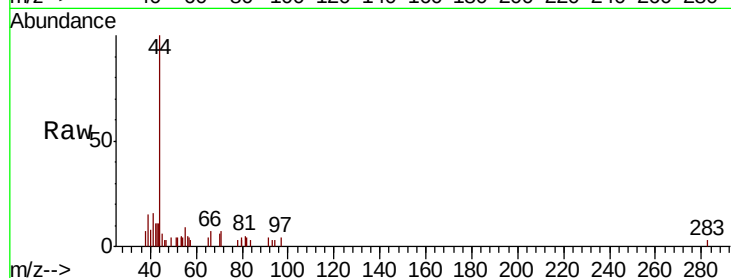
NS-OILY-STONERE

Tot Ion: 56 Resp: 727

Ion Ratio Lower Upper

56 100

55 93.9 61.2 91.8#



#15

Acrylonitrile

Concen: 4.054 ug/l

RT: 2.98 min Scan# 238

Delta R.T. 0.01 min

Lab File: VF060847.D

Acq: 27 Nov 2018 19:19

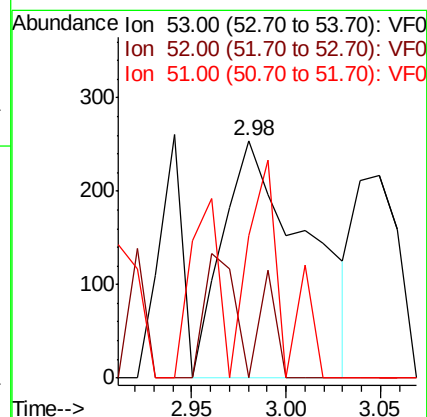
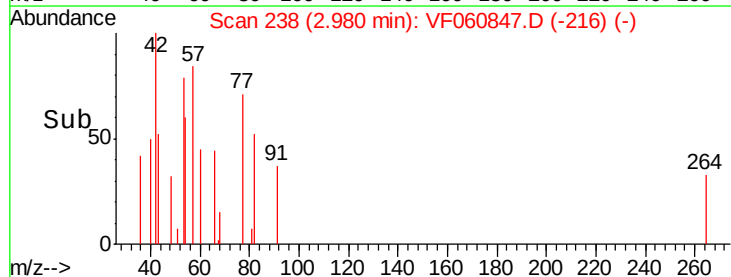
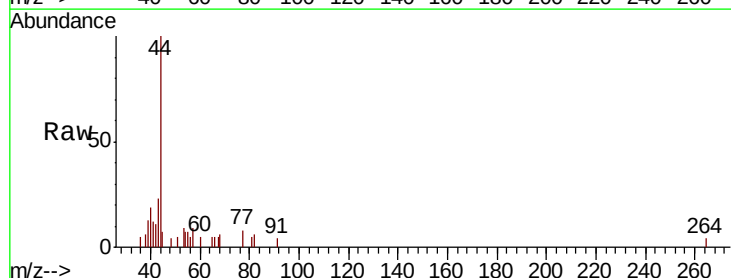
Tgt Ion: 53 Resp: 780

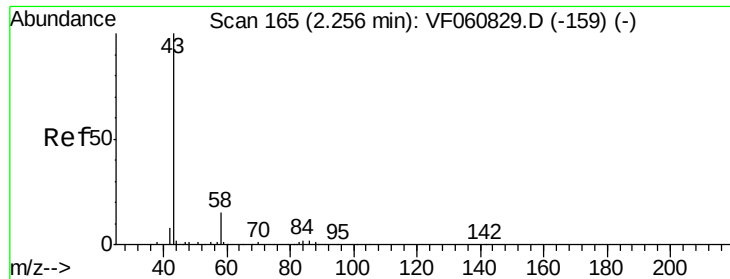
Ion Ratio Lower Upper

53 100

52 0.0 76.5 114.7#

51 59.8 40.7 61.1





#16

Acetone

Concen: 6.503 ug/l

RT: 2.26 min Scan# 165

Delta R.T. 0.00 min

Lab File: VF060847.D

Acq: 27 Nov 2018 19:19

Instrument :

MSVOA_F

ClientSampleId :

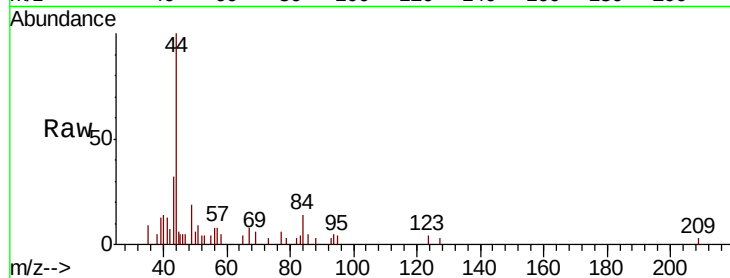
NS-OILY-STONERE

Tot Ion: 43 Resp: 2511

Ion Ratio Lower Upper

43 100

58 15.3 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.26

1200

1000

800

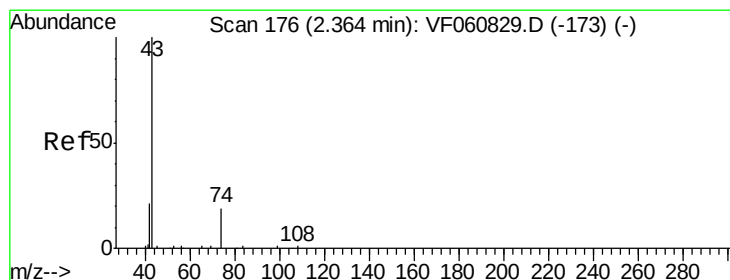
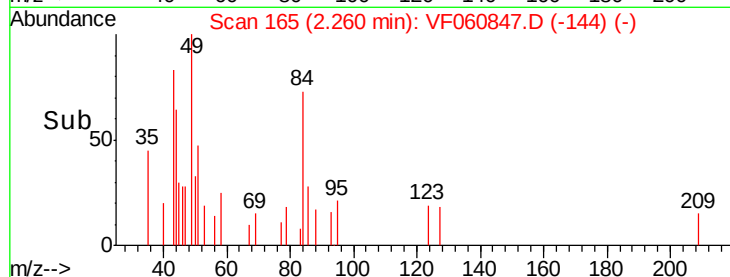
600

400

200

0

Time-->



#18

Methyl Acetate

Concen: 6.524 ug/l

RT: 2.40 min Scan# 179

Delta R.T. 0.03 min

Lab File: VF060847.D

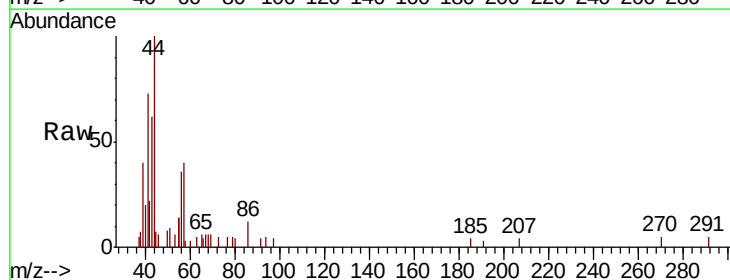
Acq: 27 Nov 2018 19:19

Tgt Ion: 43 Resp: 5156

Ion Ratio Lower Upper

43 100

74 0.0 13.3 19.9#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0

2.40

2000

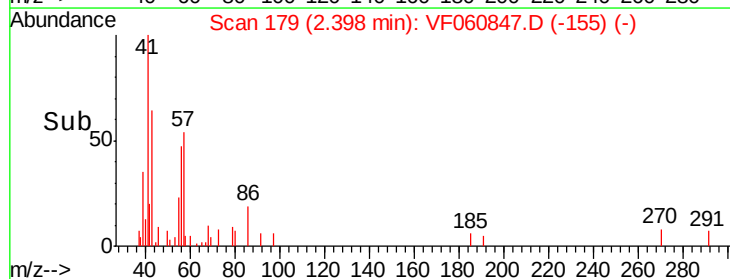
1500

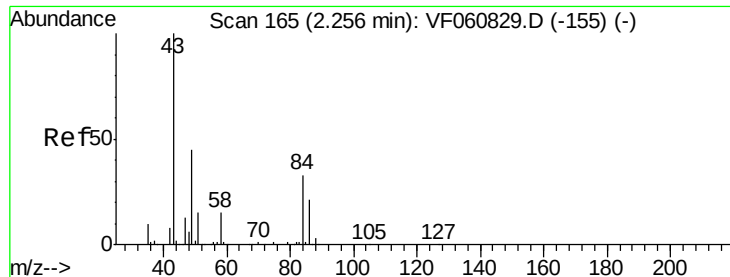
1000

500

0

Time-->

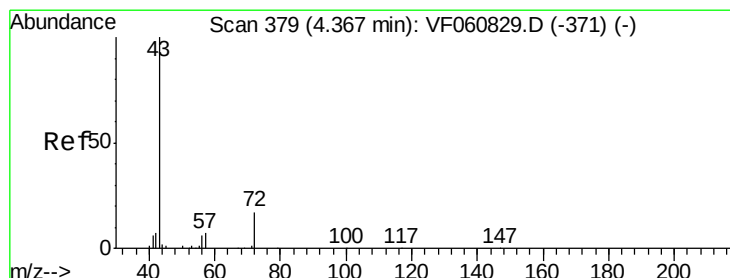
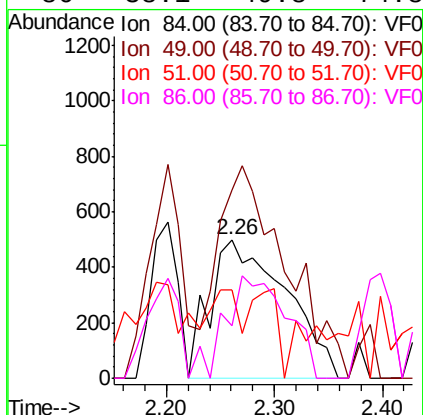
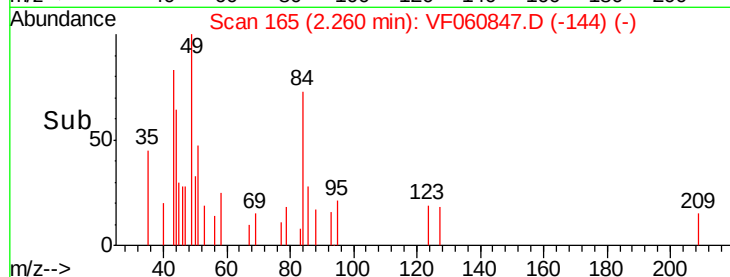
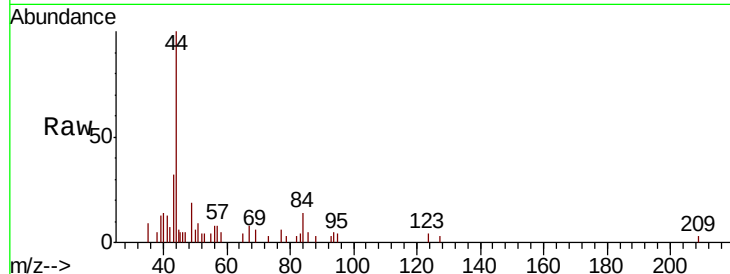




#20
Methvlene Chloride
Concen: 1.715 ug/l
RT: 2.26 min Scan# 165
Delta R.T. 0.00 min
Lab File: VF060847.D
Acq: 27 Nov 2018 19:19

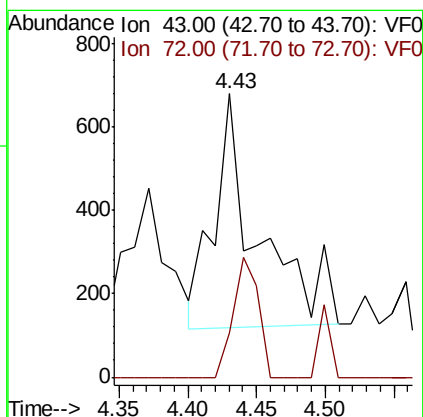
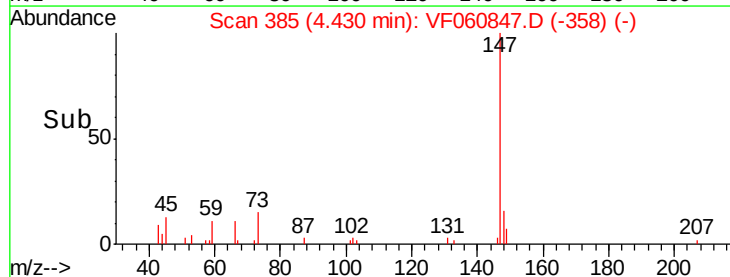
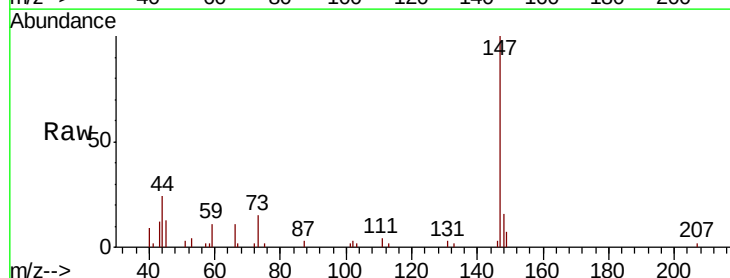
Instrument :
MSVOA_F
ClientSampleId :
NS-OILY-STONERE

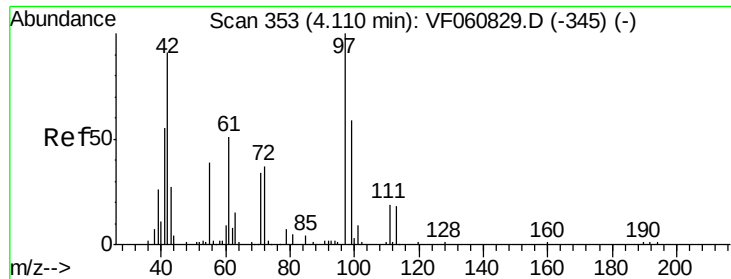
Tot Ion: 84 Resp: 2429
Ion Ratio Lower Upper
84 100
49 136.1 111.3 166.9
51 63.9 38.0 57.0#
86 38.1 49.8 74.8#



#25
2-Butanone
Concen: 1.867 ug/l
RT: 4.43 min Scan# 385
Delta R.T. 0.06 min
Lab File: VF060847.D
Acq: 27 Nov 2018 19:19

Tgt Ion: 43 Resp: 1247
Ion Ratio Lower Upper
43 100
72 15.5 15.4 23.2





#29

Tetrahydrofuran

Concen: 1.088 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.01 min

Lab File: VF060847.D

Acq: 27 Nov 2018 19:19

Instrument :

MSVOA_F

ClientSampleId :

NS-OILY-STONERE

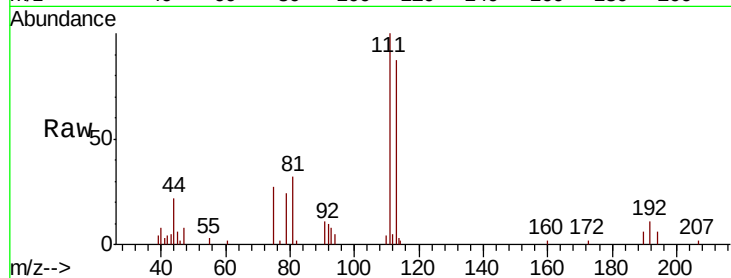
Tot Ion: 42 Resp: 308

Ion Ratio Lower Upper

42 100

72 0.0 31.9 47.9#

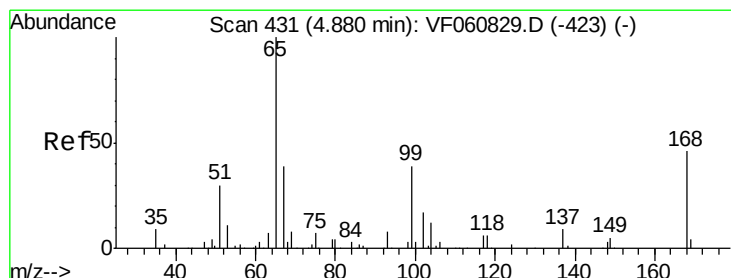
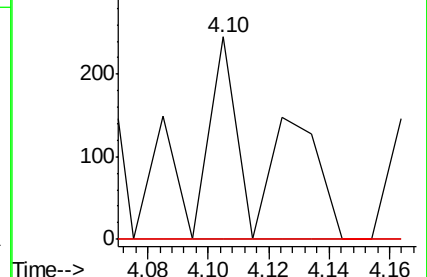
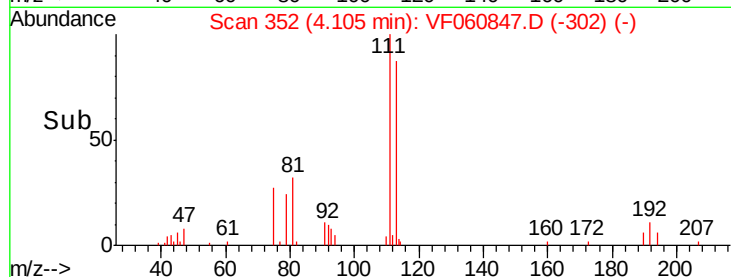
71 0.0 28.7 43.1#



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



#33

1,2-Dichloroethane-d4

Concen: 64.735 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.01 min

Lab File: VF060847.D

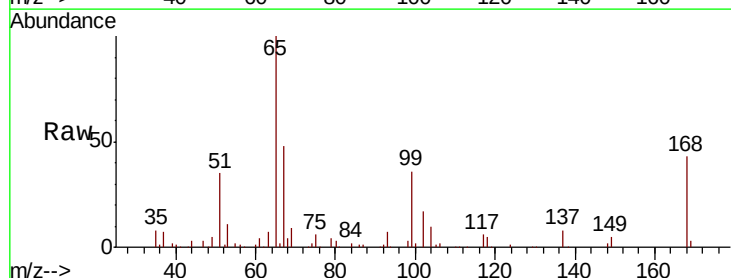
Acq: 27 Nov 2018 19:19

Tgt Ion: 65 Resp: 135539

Ion Ratio Lower Upper

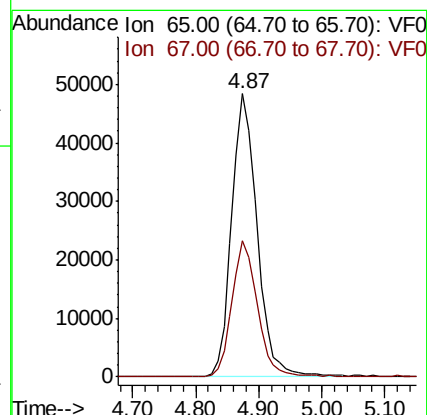
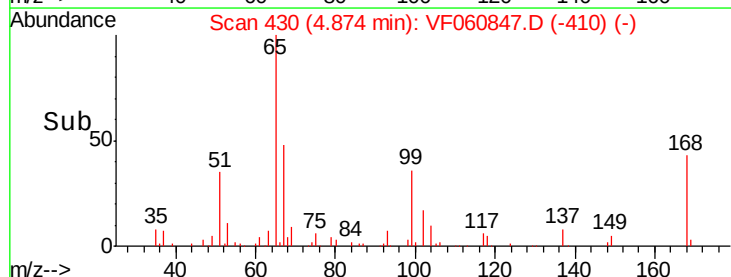
65 100

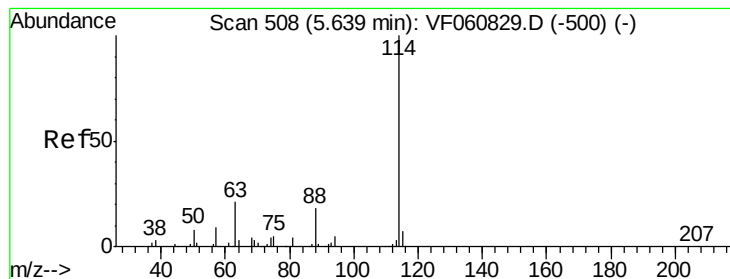
67 47.9 0.0 96.4



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 506

Delta R.T. -0.02 min

Lab File: VF060847.D

Acq: 27 Nov 2018 19:19

Instrument :

MSVOA_F

ClientSampleId :

NS-OILY-STONERE

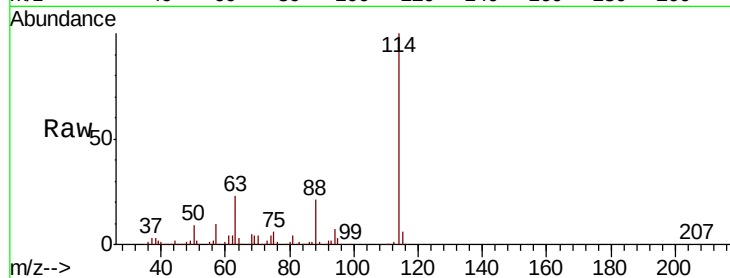
Tot Ion:114 Resp: 317488

Ion Ratio Lower Upper

114 100

63 23.0 0.0 41.6

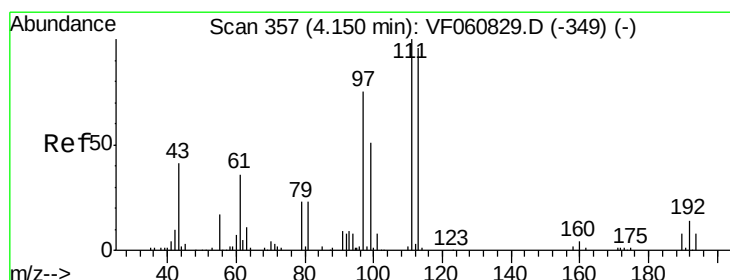
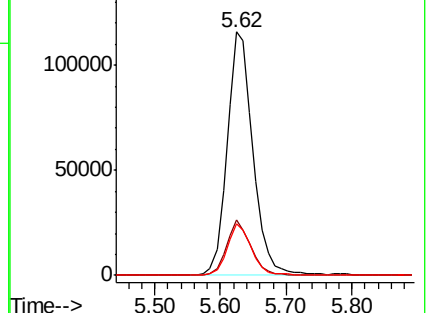
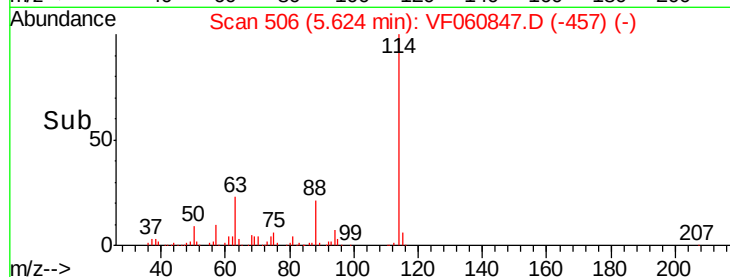
88 21.2 0.0 36.6



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: 60.502 ug/l

RT: 4.14 min Scan# 356

Delta R.T. -0.01 min

Lab File: VF060847.D

Acq: 27 Nov 2018 19:19

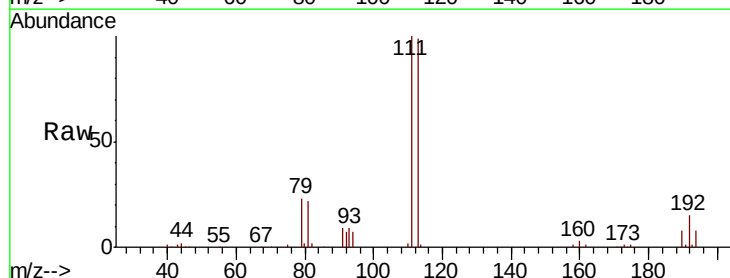
Tgt Ion:113 Resp: 152387

Ion Ratio Lower Upper

113 100

111 100.8 83.0 124.6

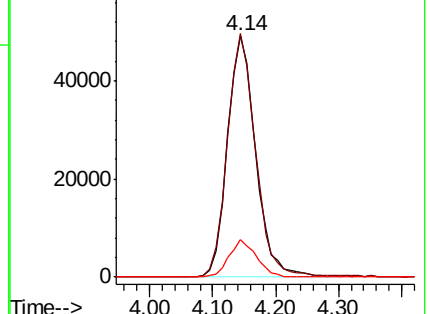
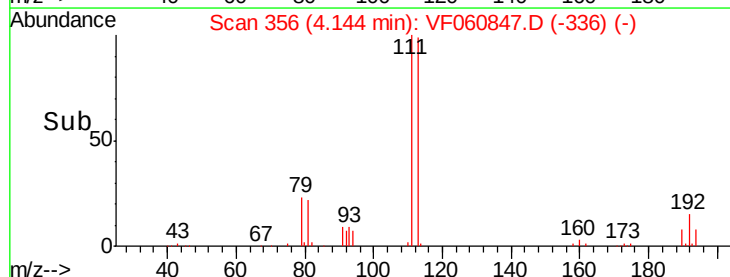
192 16.2 12.3 18.5

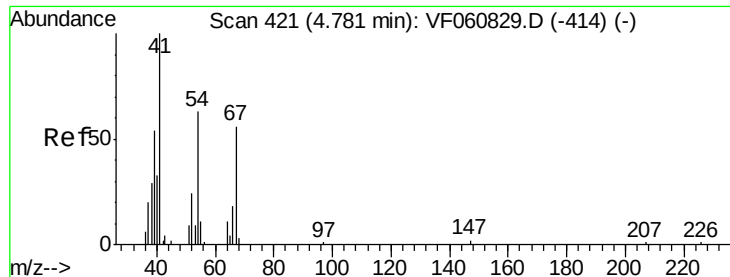


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#41

Methacrylonitrile

Concen: Below Cal

RT: 4.77 min Scan# 419

Delta R.T. -0.02 min

Lab File: VF060847.D

Acq: 27 Nov 2018 19:19

Instrument :

MSVOA_F

ClientSampleId :

NS-OILY-STONERE

Tot Ion: 41 Resp: 488

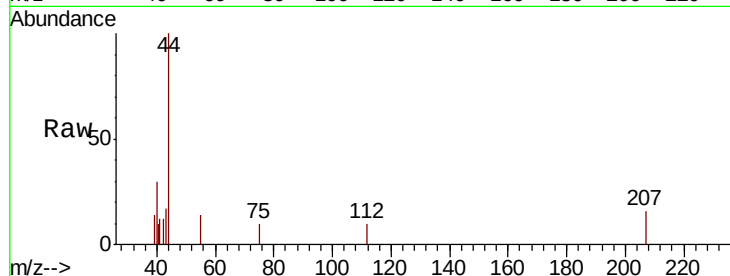
Ion Ratio Lower Upper

41 100

39 64.3 53.0 79.6

67 0.0 43.8 65.6#

52 0.0 37.8 56.8#

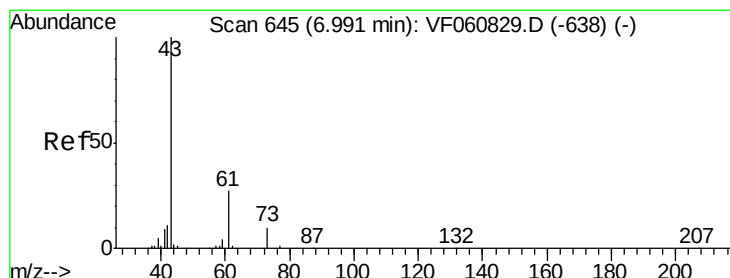
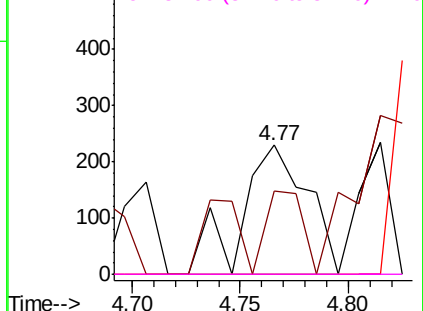
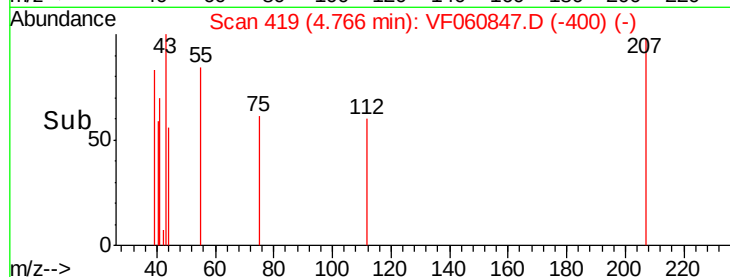


Abundance Ion 41.00 (40.70 to 41.70): VF0

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: Below Cal

RT: 6.99 min Scan# 644

Delta R.T. -0.00 min

Lab File: VF060847.D

Acq: 27 Nov 2018 19:19

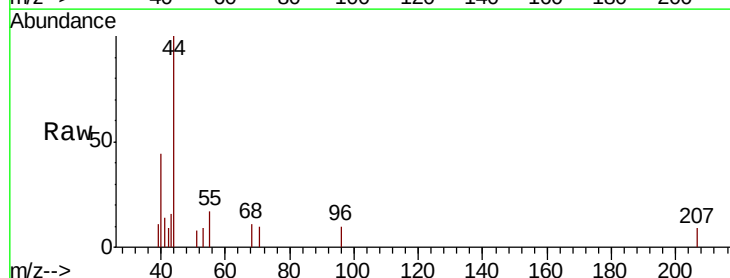
Tgt Ion: 43 Resp: 395

Ion Ratio Lower Upper

43 100

61 0.0 21.4 32.0#

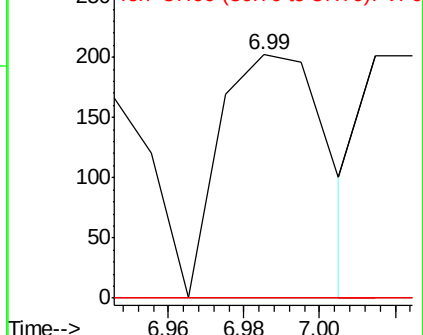
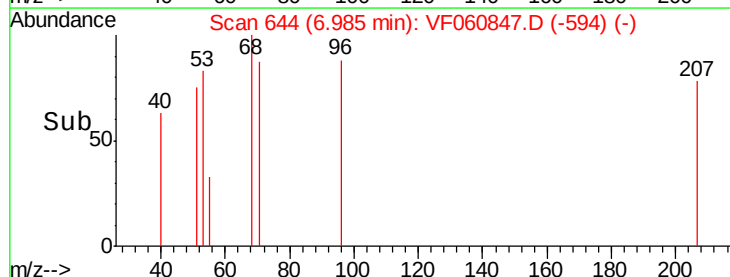
87 0.0 0.2 0.4#

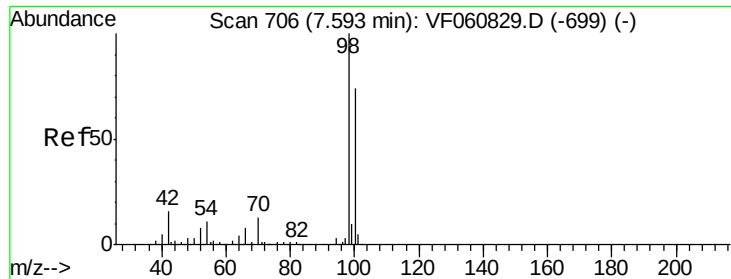


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#50

Toluene-d8

Concen: 45.188 ug/l

RT: 7.59 min Scan# 705

Delta R.T. -0.01 min

Lab File: VF060847.D

Acq: 27 Nov 2018 19:19

Instrument :

MSVOA_F

ClientSampleId :

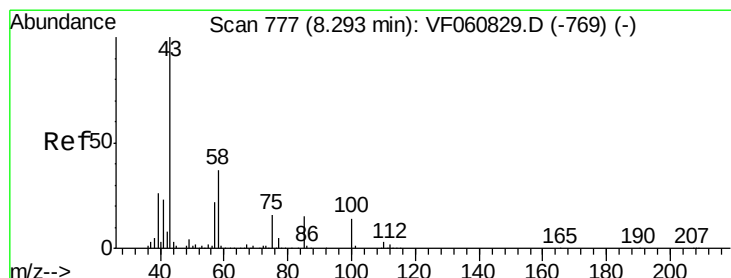
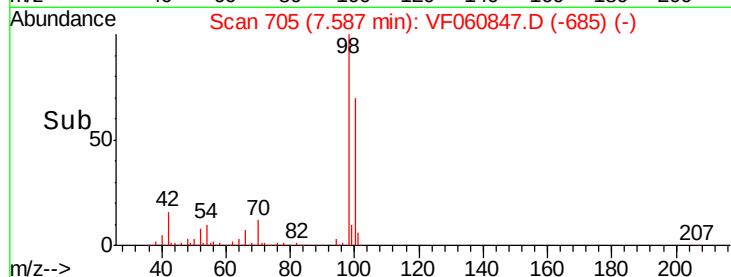
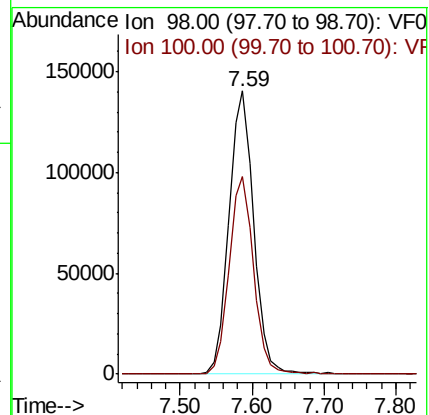
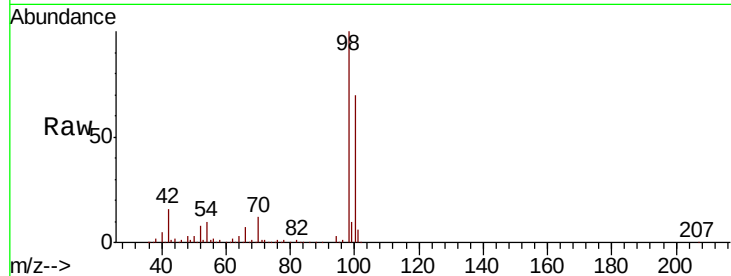
NS-OILY-STONERE

Tot Ion: 98 Resp: 335268

Ion Ratio Lower Upper

98 100

100 70.0 59.3 88.9



#51

4-Methyl-2-Pentanone

Concen: 1.789 ug/l

RT: 8.30 min Scan# 777

Delta R.T. 0.00 min

Lab File: VF060847.D

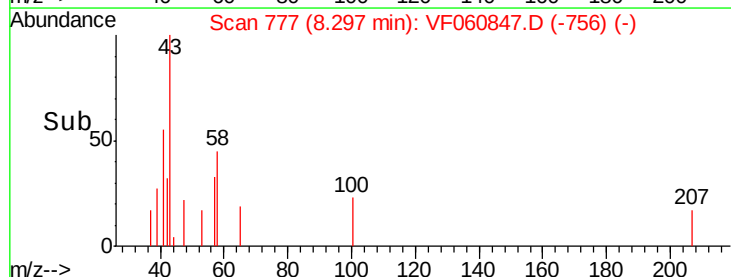
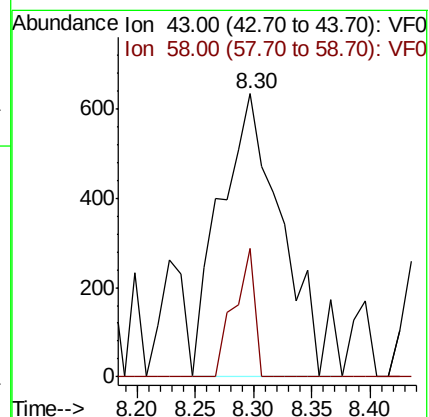
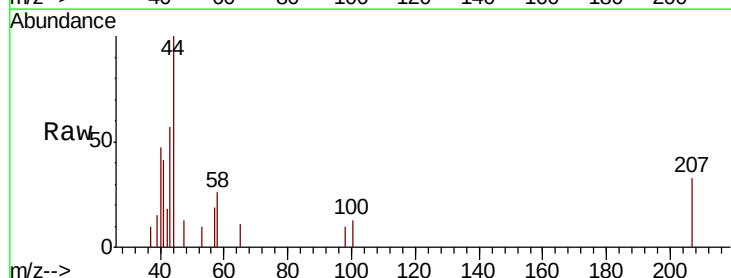
Acq: 27 Nov 2018 19:19

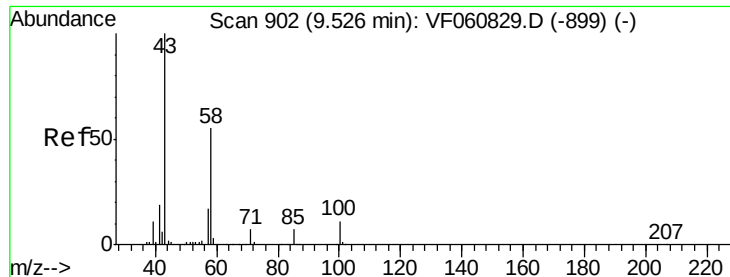
Tgt Ion: 43 Resp: 2361

Ion Ratio Lower Upper

43 100

58 45.5 29.7 44.5#

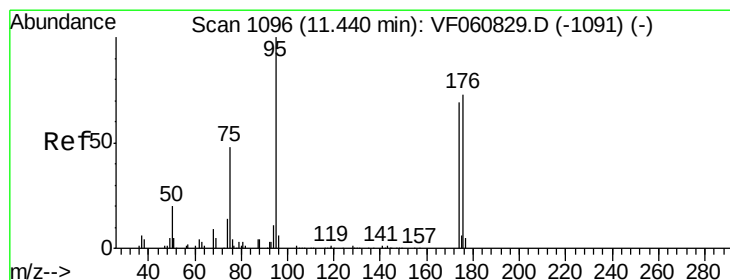
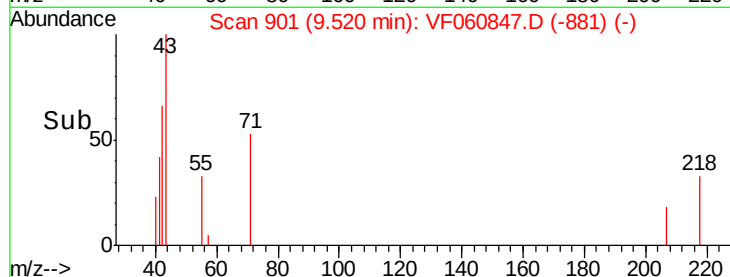
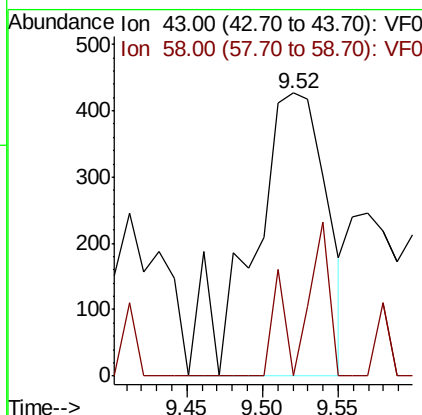
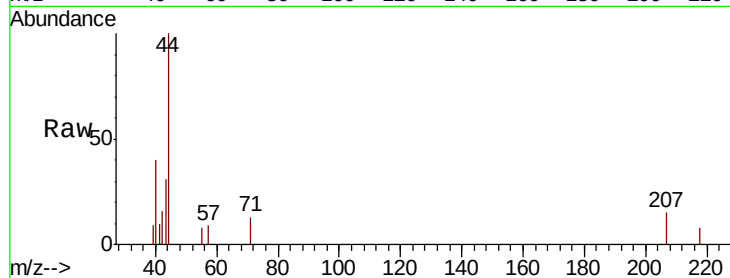




#59
2-Hexanone
Concen: 1.586 ug/l
RT: 9.52 min Scan# 901
Delta R.T. -0.01 min
Lab File: VF060847.D
Acq: 27 Nov 2018 19:19

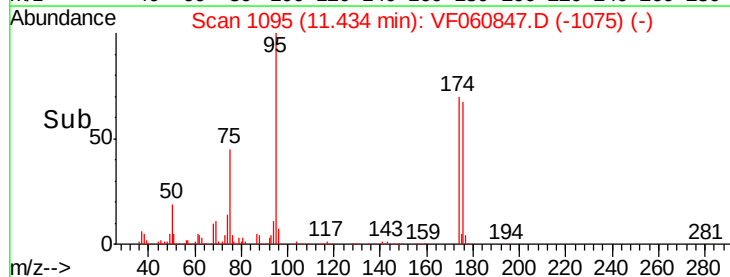
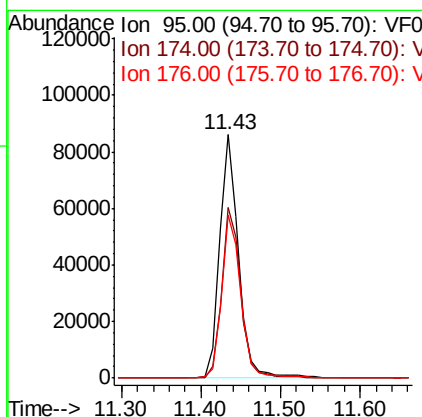
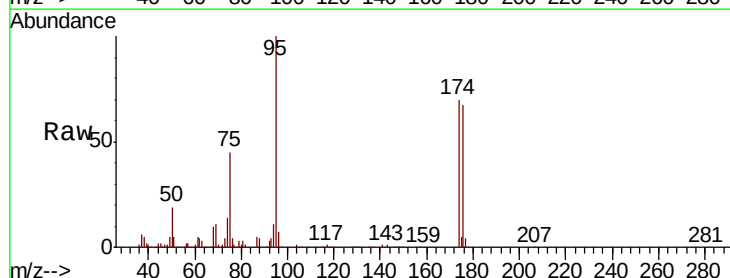
Instrument :
MSVOA_F
ClientSampleId :
NS-OILY-STONERE

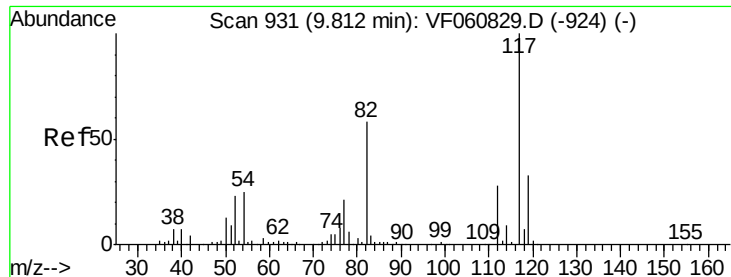
Tot Ion: 43 Resp: 1468
Ion Ratio Lower Upper
43 100
58 0.0 25.6 76.6#



#62
4-Bromofluorobenzene
Concen: 42.978 ug/l
RT: 11.43 min Scan# 1095
Delta R.T. -0.01 min
Lab File: VF060847.D
Acq: 27 Nov 2018 19:19

Tgt Ion: 95 Resp: 144921
Ion Ratio Lower Upper
95 100
174 70.3 0.0 138.2
176 67.2 0.0 146.2

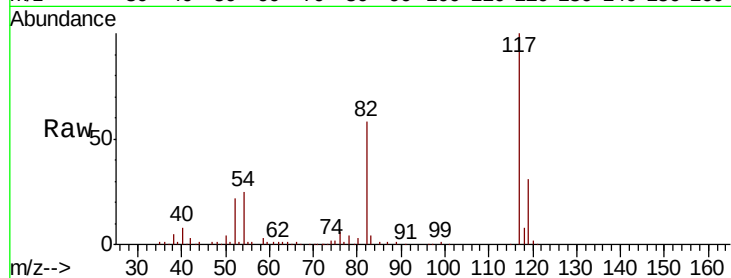




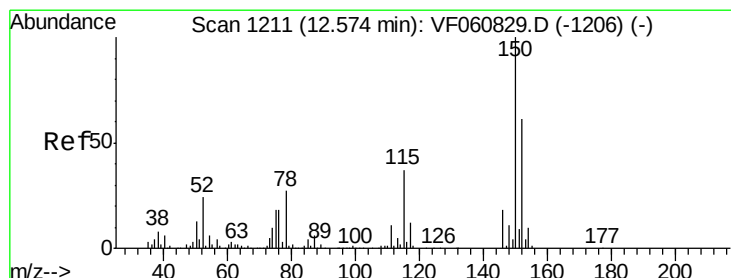
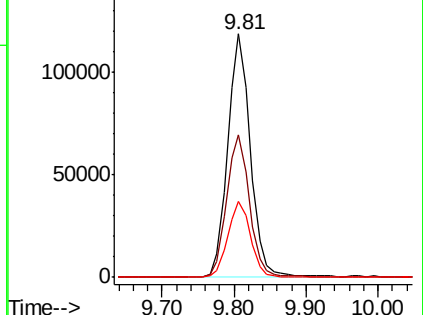
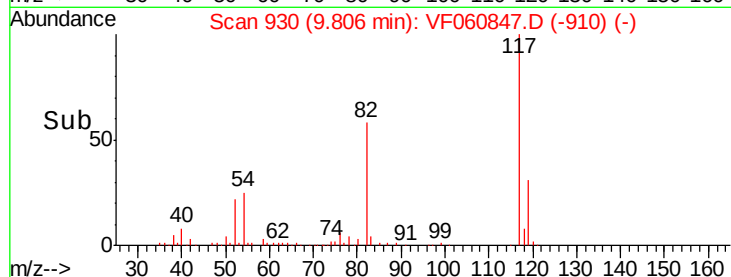
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.81 min Scan# 930
Delta R.T. -0.01 min
Lab File: VF060847.D
Acq: 27 Nov 2018 19:19

Instrument :
MSVOA_F
ClientSampleId :
NS-OILY-STONERE

Tot Ion:117 Resp: 260850
Ion Ratio Lower Upper
117 100
82 58.5 46.6 69.8
119 31.4 26.4 39.6

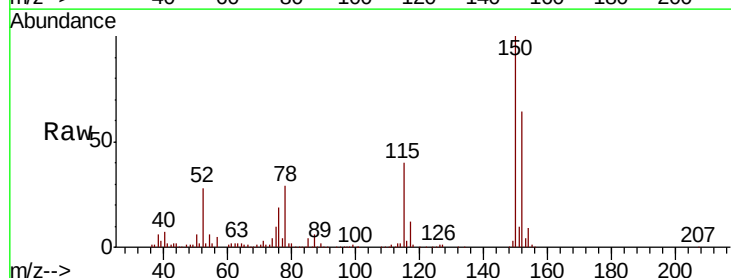


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

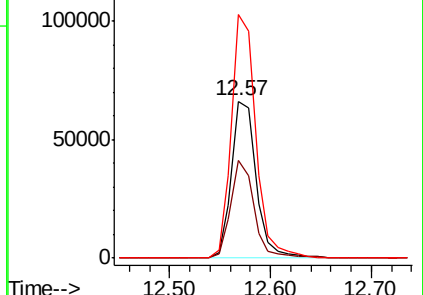
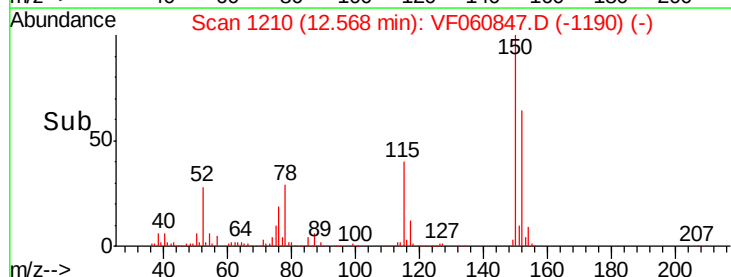


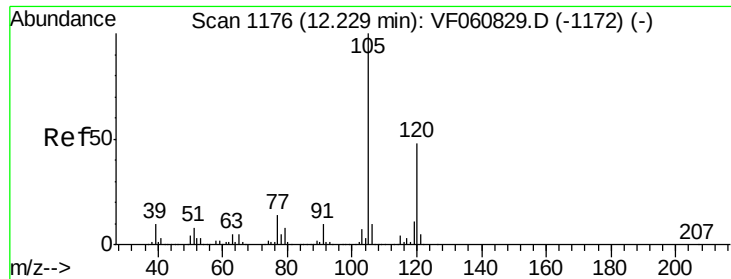
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.57 min Scan# 1210
Delta R.T. -0.01 min
Lab File: VF060847.D
Acq: 27 Nov 2018 19:19

Tgt Ion:152 Resp: 112981
Ion Ratio Lower Upper
152 100
115 62.7 30.1 90.5
150 155.4 0.0 327.6



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

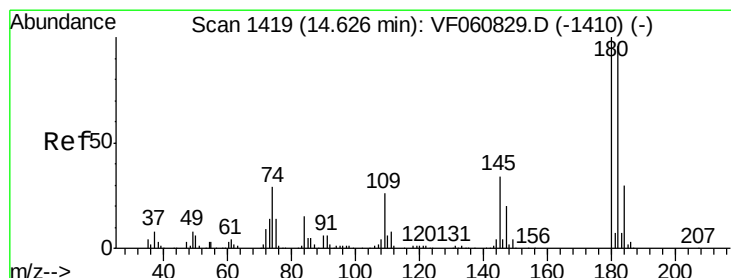
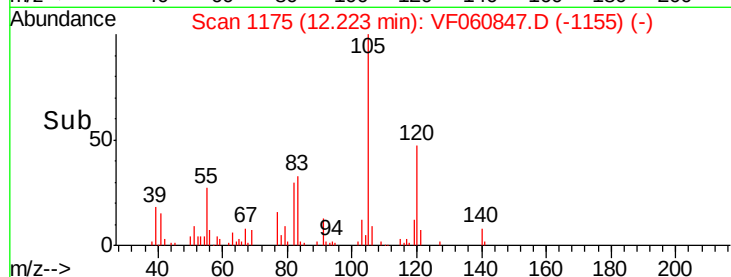
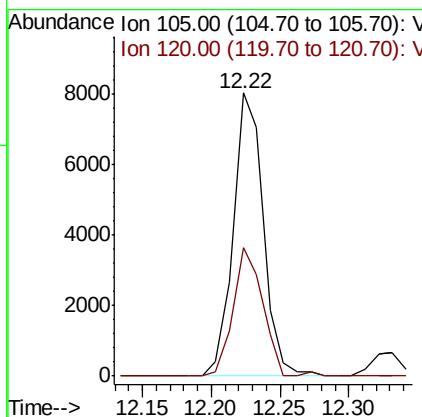
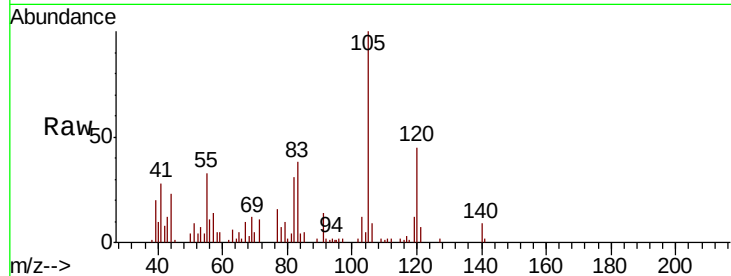




#84
 1,2,4-Trimethylbenzene
 Concen: 1.688 ug/l
 RT: 12.22 min Scan# 1175
 Delta R.T. -0.01 min
 Lab File: VF060847.D
 Acq: 27 Nov 2018 19:19

Instrument :
 MSVOA_F
 ClientSampleId :
 NS-OILY-STONERE

Tot Ion:105 Resp: 12210
 Ion Ratio Lower Upper
 105 100
 120 45.2 23.8 71.5



#96
 1,2,3-Trichlorobenzene
 Concen: 3.636 ug/l
 RT: 14.66 min Scan# 1422
 Delta R.T. 0.03 min
 Lab File: VF060847.D
 Acq: 27 Nov 2018 19:19

Tgt Ion:180 Resp: 8317
 Ion Ratio Lower Upper
 180 100
 182 10.4 47.9 143.8#
 145 14.6 17.2 51.5#

