

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN120718\
 Data File : VN052737.D
 Acq On : 7 Dec 2018 19:51
 Operator : MD\SY
 Sample : J6312-02 5X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 EFF-WW

Quant Time: Dec 07 22:22:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 03 03:24:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	3277	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	867082	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	759150	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	5892	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	306892	8601.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	17202.24%	
35) Dibromofluoromethane	7.58	113	732	0.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	0.28%	
50) Toluene-d8	10.09	98	1022137	49.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.24%	
62) 4-Bromofluorobenzene	12.40	95	351633	50.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.58%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	80	2.607	ug/l #	41
3) Chloromethane	2.06	50	611	15.085	ug/l #	72
4) Vinyl Chloride	2.20	62	30	0.721	ug/l #	43
5) Bromomethane	2.58	94	703	27.080	ug/l	97
6) Chloroethane	2.71	64	144	5.714	ug/l #	43
8) Diethyl Ether	3.41	74	164	8.690	ug/l #	4
11) Tert butyl alcohol	4.77	59	1255	702.582	ug/l #	73
13) Acrolein	3.61	56	620	199.707	ug/l	100
14) Allyl chloride	4.05	41	1406928	26592.895	ug/l #	67
15) Acrylonitrile	4.99	53	218	19.280	ug/l #	17
16) Acetone	3.81	43	2316509	246146.431	ug/l	99
17) Carbon Disulfide	4.06	76	3469	35.910	ug/l #	92
18) Methyl Acetate	4.05	43	3404083	126098.854	ug/l #	52
20) Methylene Chloride	4.56	84	7342	199.358	ug/l	95
22) Diisopropyl ether	5.96	45	5685	51.156	ug/l #	87
23) Vinyl Acetate	5.88	43	205	2.962	ug/l #	73
25) 2-Butanone	6.84	43	10784	808.441	ug/l	97
26) 2,2-Dichloropropane	6.83	77	279	6.353	ug/l #	52
28) Bromochloromethane	7.20	49	246412	8502.383	ug/l	97
29) Tetrahydrofuran	7.22	42	4235	492.227	ug/l #	79
30) Chloroform	7.37	83	25303	399.694	ug/l	97
31) Cyclohexane	7.66	56	323	4.930	ug/l #	31
43) Isopropyl Acetate	8.17	43	3217	0.380	ug/l #	71
47) Bromodichloromethane	9.40	83	2333	0.299	ug/l #	83
49) 1,4-Dioxane	9.20	88	62	1.355	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	30424	6.412	ug/l	99
56) Ethyl methacrylate	10.47	69	1225	2.857	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.70	63	1764	0.477	ug/l #	81
59) 2-Hexanone	10.75	43	56208	17.651	ug/l	98
71) Bromoform	12.40	173	2635	0.731	ug/l #	1
73) Isopropylbenzene	12.25	105	2997	6.483	ug/l	79
74) N-amyl acetate	12.13	43	10269	87.930	ug/l #	44
75) 1,1,2,2-Tetrachloroethane	12.53	83	16888	160.600	ug/l #	28
76) 1,2,3-Trichloropropane	12.40	75	168365	1853.059	ug/l #	100

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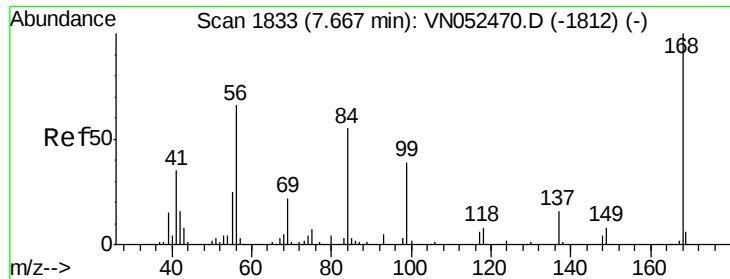
Instrument :
 MSVOA_N
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Quant Time: Dec 07 22:22:40 2018
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

78) n-propylbenzene	12.69	91	1156	2.201	ug/l	82
79) 2-Chlorotoluene	12.69	91	1156	3.696	ug/l	75
80) 1,3,5-Trimethylbenzene	12.73	105	991	2.688	ug/l	68
81) trans-1,4-Dichloro-2-buten	12.24	75	10225	375.825	ug/l #	12
82) 4-Chlorotoluene	12.69	91	1156	3.668	ug/l	73
83) tert-Butylbenzene	13.00	119	1403	4.269	ug/l	69
84) 1,2,4-Trimethylbenzene	13.11	105	908	2.458	ug/l	93
85) sec-Butylbenzene	13.11	105	908	2.028	ug/l	83
86) p-Isopropyltoluene	13.29	119	3960	10.386	ug/l #	72
87) 1,3-Dichlorobenzene	13.28	146	337	1.686	ug/l #	48
88) 1,4-Dichlorobenzene	13.36	146	437	2.220	ug/l #	48
89) n-Butylbenzene	13.46	91	73102	230.533	ug/l #	46
90) Hexachloroethane	13.88	117	251	3.888	ug/l #	6
91) 1,2-Dichlorobenzene	13.64	146	628	3.289	ug/l #	37
92) 1,2-Dibromo-3-Chloropropan	14.50	75	440	29.256	ug/l	63
93) 1,2,4-Trichlorobenzene	14.91	180	252	5.102	ug/l #	1
95) Naphthalene	15.14	128	1156	8.282	ug/l #	60
96) 1,2,3-Trichlorobenzene	15.31	180	177	4.467	ug/l #	1

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN052737.D

Acq: 7 Dec 2018 19:51

Instrument :

MSVOA_N

ClientSampleId :

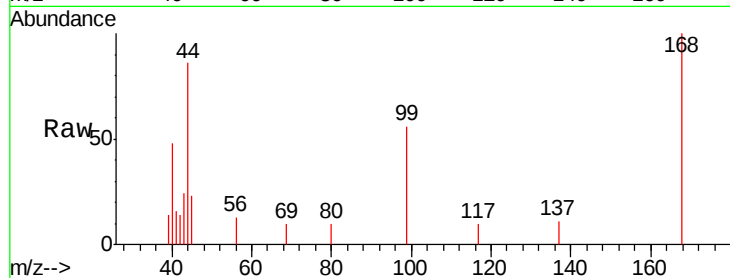
EFF-WW

Tgt Ion:168 Resp: 3277

Ion Ratio Lower Upper

168 100

99 56.4 41.7 62.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

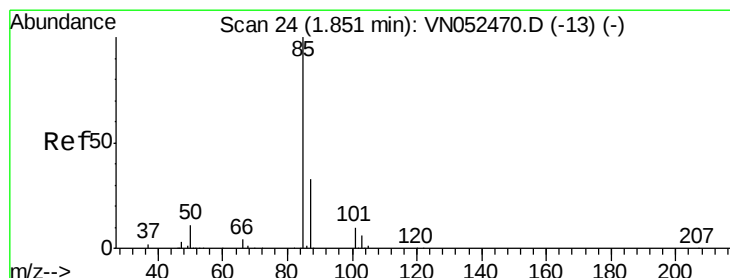
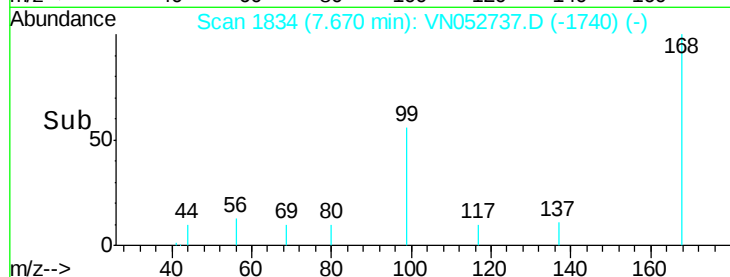
1500

1000

500

0

Time-->



#2

Dichlorodifluoromethane

Concen: 2.607 ug/l

RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN052737.D

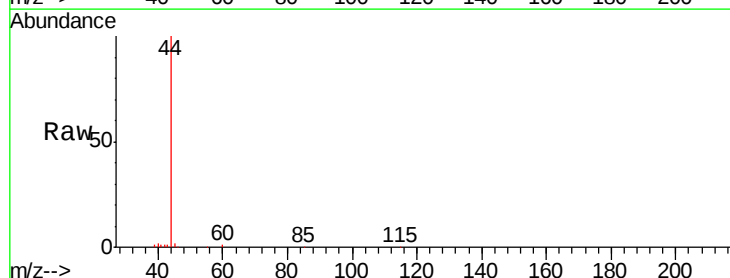
Acq: 7 Dec 2018 19:51

Tgt Ion: 85 Resp: 80

Ion Ratio Lower Upper

85 100

87 0.0 16.7 50.1#



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

250

200

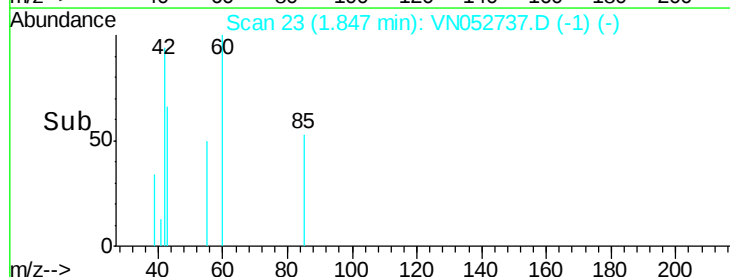
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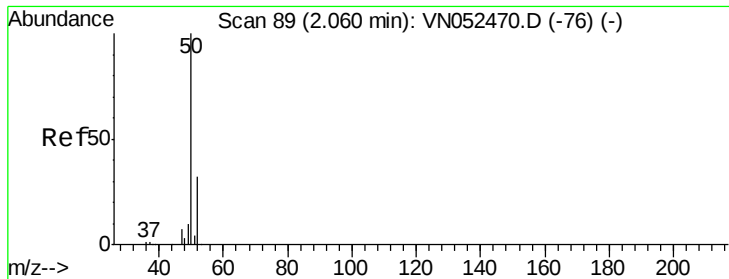
100

50

0

Time-->





#3

Chloromethane

Concen: 15.085 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN052737.D

Acq: 7 Dec 2018 19:51

Instrument :

MSVOA_N

ClientSampleId :

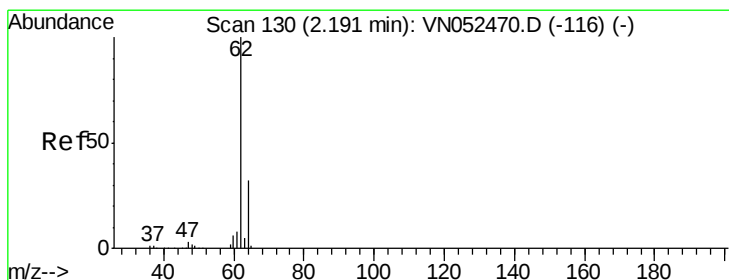
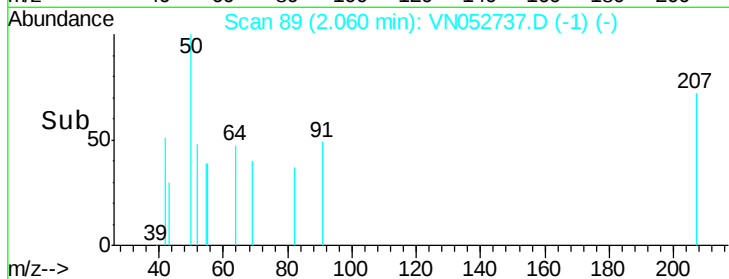
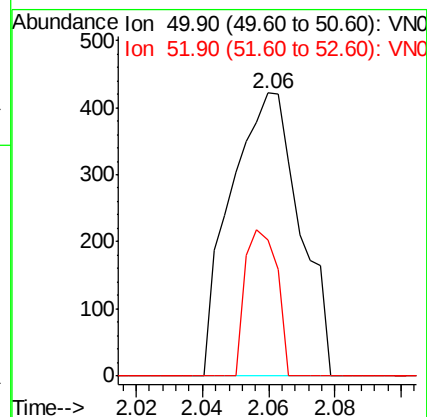
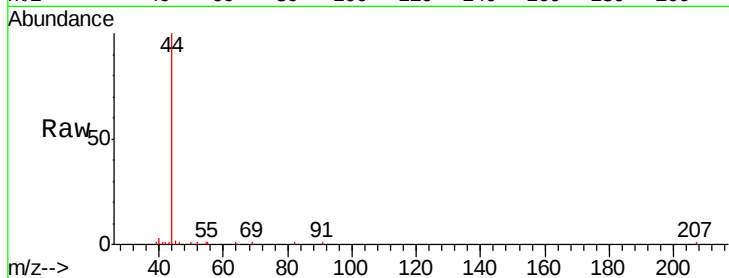
EFF-WW

Tgt Ion: 50 Resp: 611

Ion Ratio Lower Upper

50 100

52 48.1 25.9 38.9#



#4

Vinyl Chloride

Concen: 0.721 ug/l

RT: 2.20 min Scan# 133

Delta R.T. 0.01 min

Lab File: VN052737.D

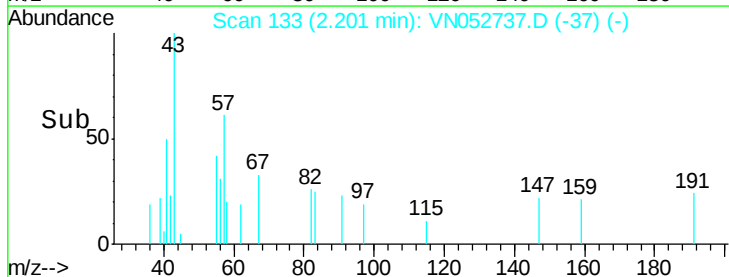
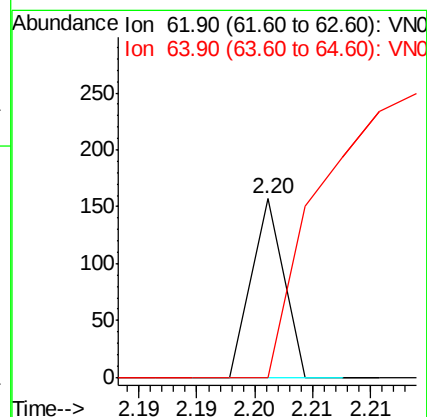
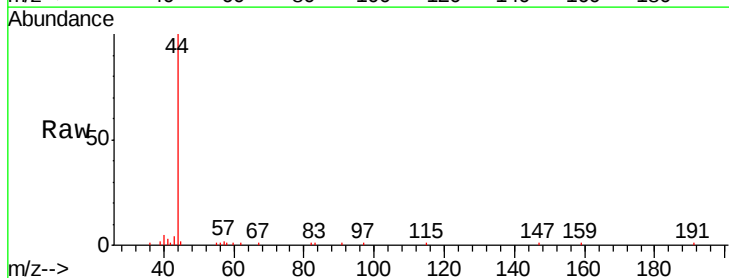
Acq: 7 Dec 2018 19:51

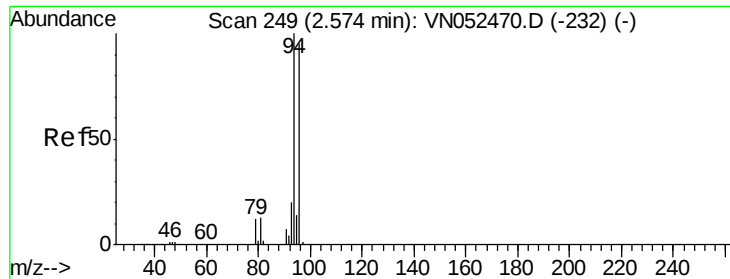
Tgt Ion: 62 Resp: 30

Ion Ratio Lower Upper

62 100

64 0.0 25.4 38.2#





#5

Bromomethane

Concen: 27.080 ug/l

RT: 2.58 min Scan# 252

Delta R.T. 0.01 min

Lab File: VN052737.D

Acq: 7 Dec 2018 19:51

Instrument :

MSVOA_N

ClientSampleId :

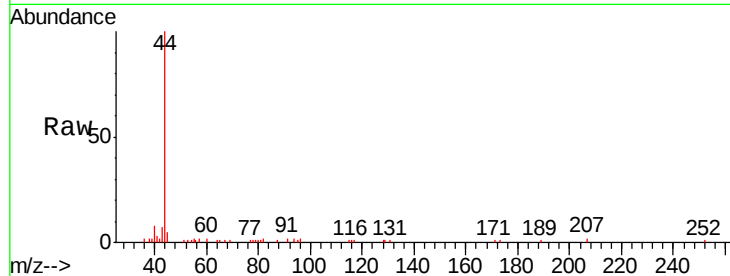
EFF-WW

Tgt Ion: 94 Resp: 703

Ion Ratio Lower Upper

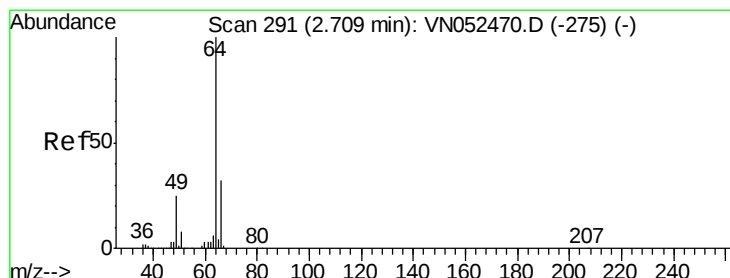
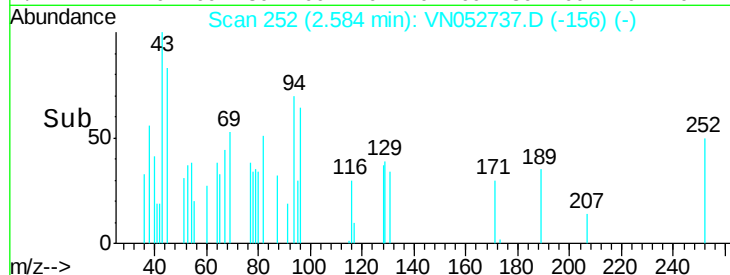
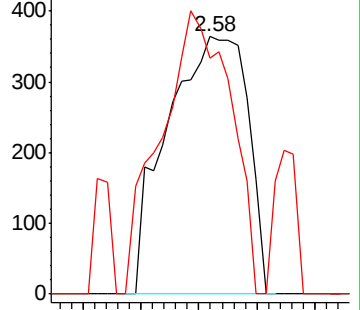
94 100

96 91.5 75.8 113.8



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 5.714 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052737.D

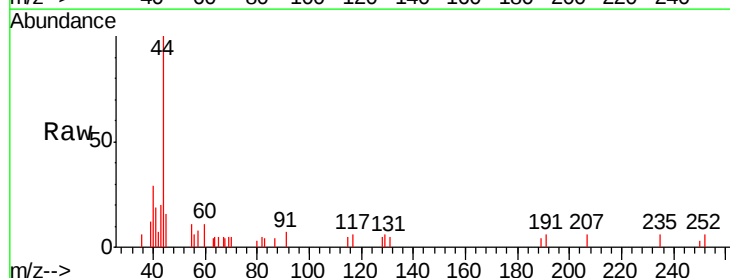
Acq: 7 Dec 2018 19:51

Tgt Ion: 64 Resp: 144

Ion Ratio Lower Upper

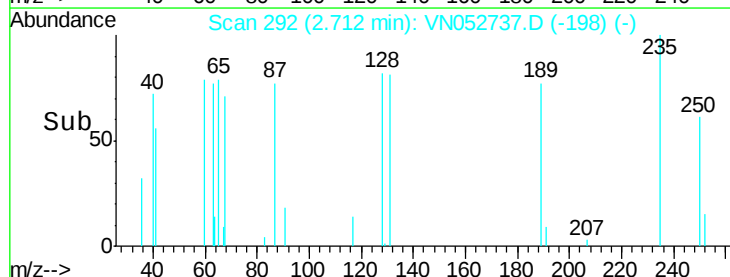
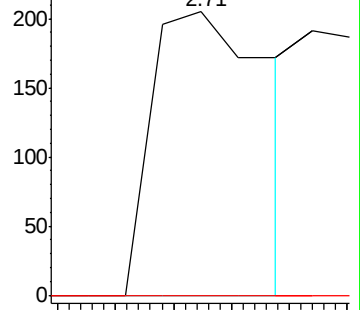
64 100

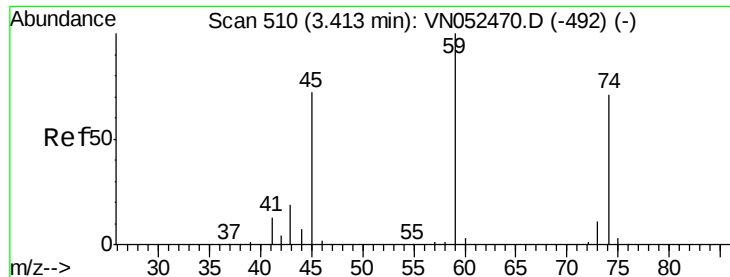
66 0.0 25.7 38.5#



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#8

Diethyl Ether

Concen: 8.690 ug/l

RT: 3.41 min Scan# 509

Delta R.T. -0.00 min

Lab File: VN052737.D

Acq: 7 Dec 2018 19:51

Instrument :

MSVOA_N

ClientSampled :

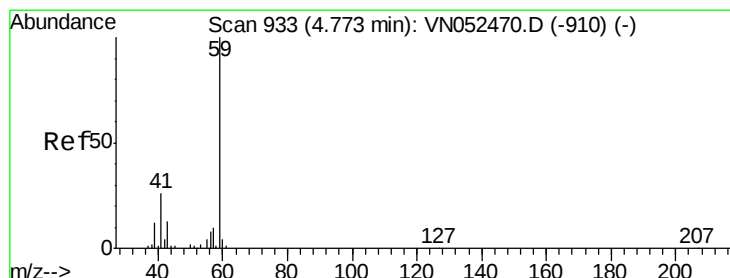
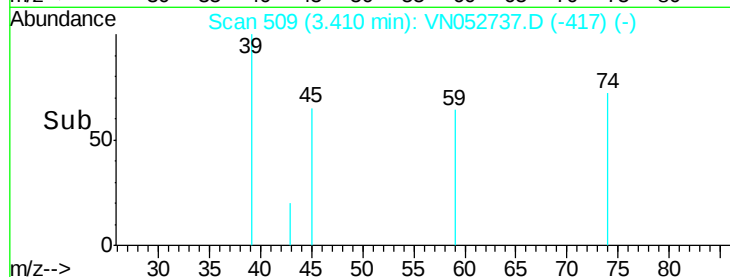
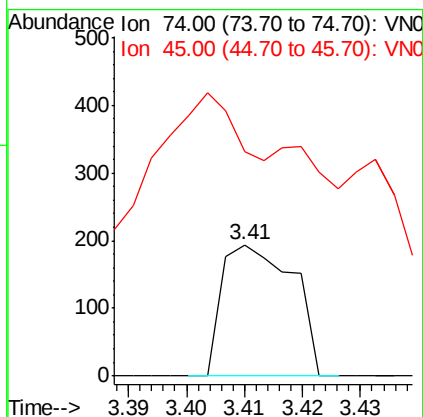
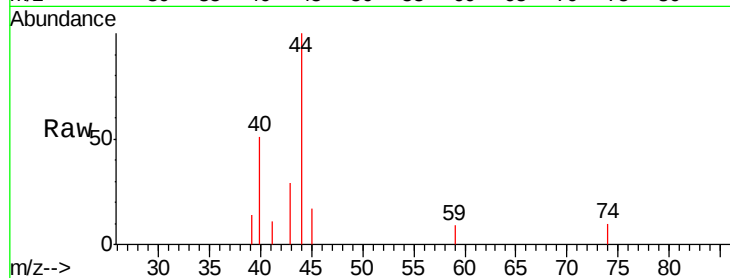
EFF-WW

Tgt Ion: 74 Resp: 164

Ion Ratio Lower Upper

74 100

45 197.6 50.4 151.3#



#11

Tert butyl alcohol

Concen: 702.582 ug/l

RT: 4.77 min Scan# 931

Delta R.T. -0.01 min

Lab File: VN052737.D

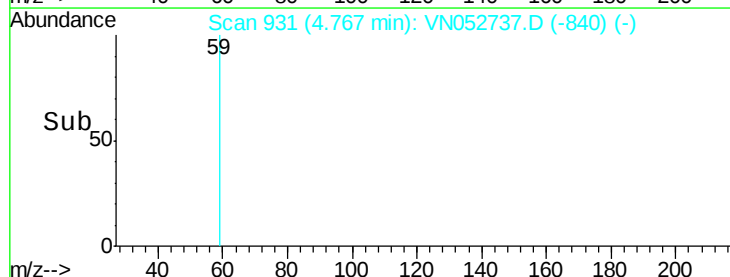
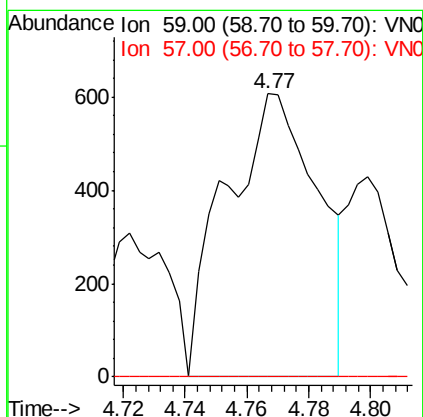
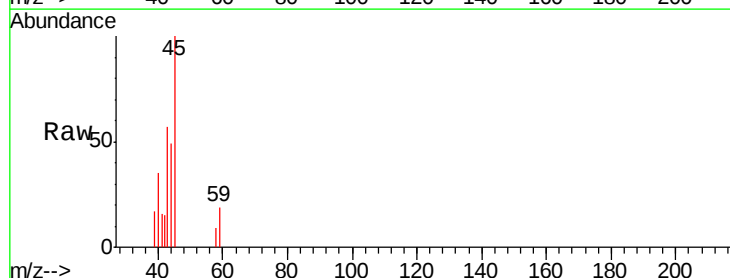
Acq: 7 Dec 2018 19:51

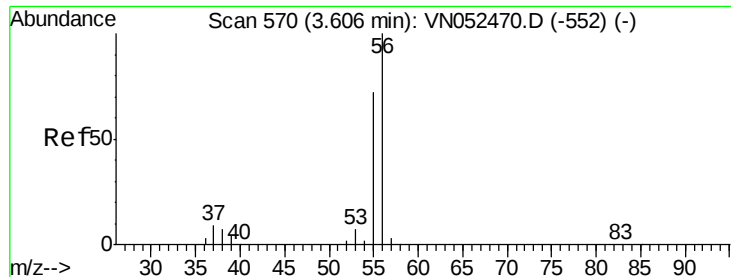
Tgt Ion: 59 Resp: 1255

Ion Ratio Lower Upper

59 100

57 0.0 7.9 11.9#





#13

Acrolein

Concen: 199.707 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.01 min

Lab File: VN052737.D

Acq: 7 Dec 2018 19:51

Instrument :

MSVOA_N

ClientSampled :

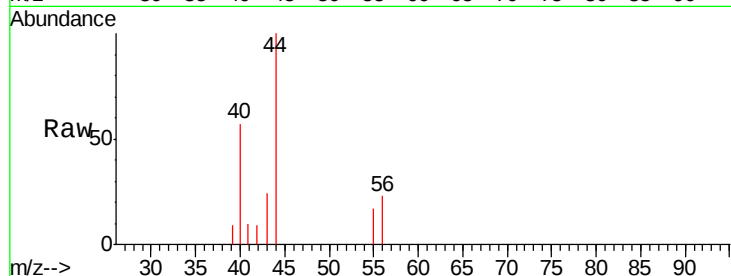
EFF-WW

Tgt Ion: 56 Resp: 620

Ion Ratio Lower Upper

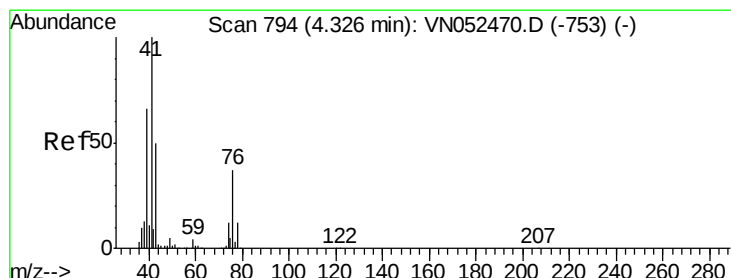
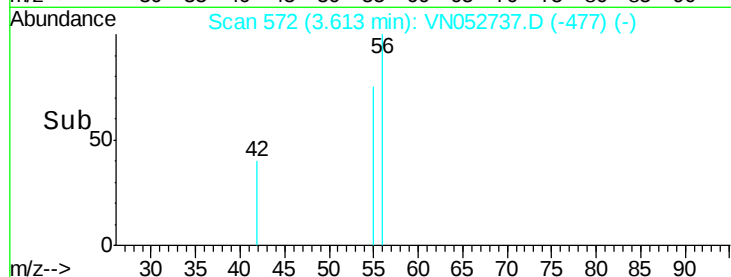
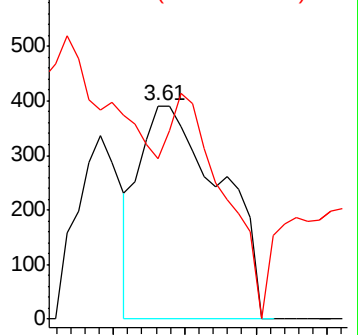
56 100

55 71.3 56.8 85.2



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 26592.895 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.27 min

Lab File: VN052737.D

Acq: 7 Dec 2018 19:51

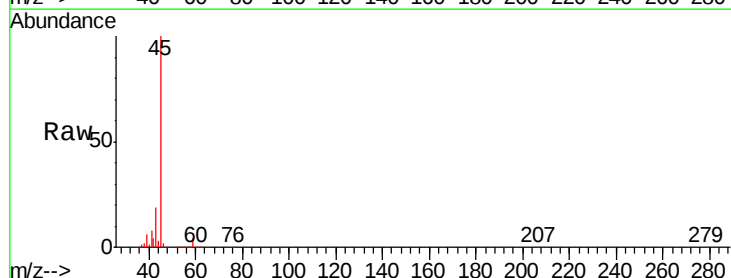
Tgt Ion: 41 Resp: 1406928

Ion Ratio Lower Upper

41 100

39 77.7 50.6 76.0#

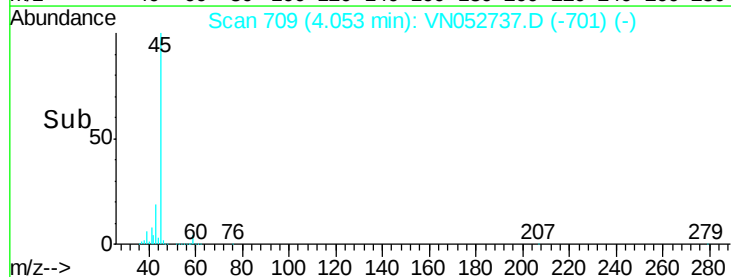
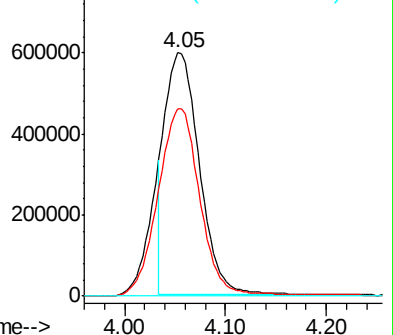
76 0.2 27.4 41.2#

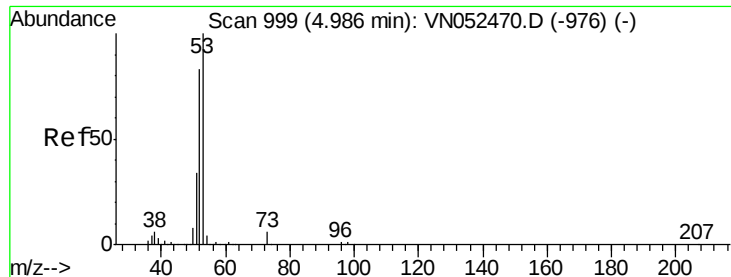


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 19.280 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN052737.D

Acq: 7 Dec 2018 19:51

Instrument :

MSVOA_N

ClientSampleId :

EFF-WW

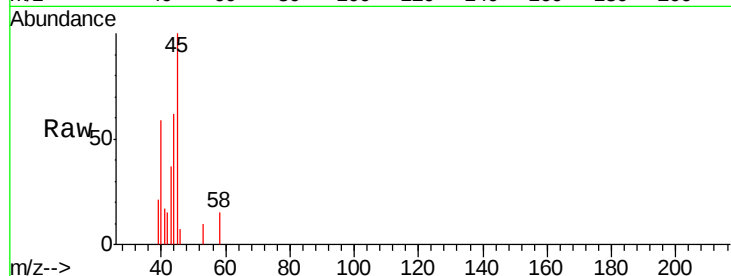
Tgt Ion: 53 Resp: 218

Ion Ratio Lower Upper

53 100

52 0.0 66.2 99.2#

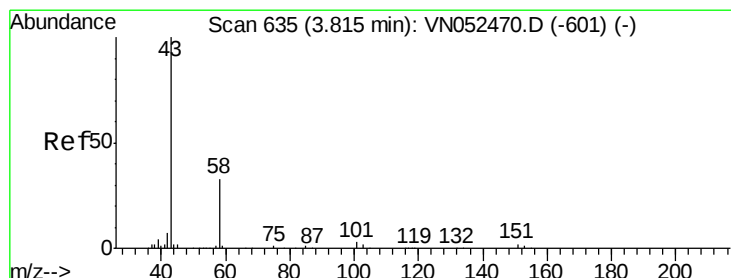
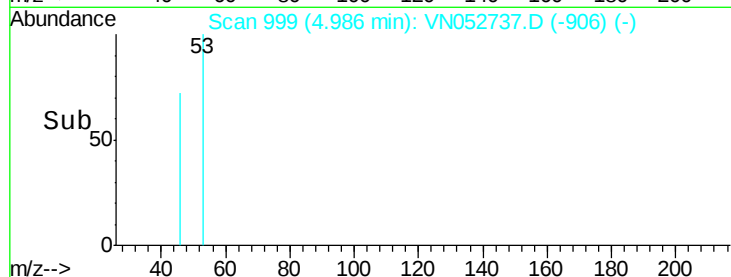
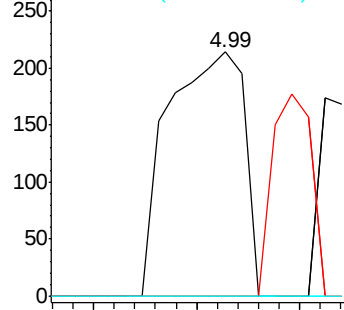
51 0.0 28.1 42.1#



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 246146.431 ug/l

RT: 3.81 min Scan# 634

Delta R.T. -0.00 min

Lab File: VN052737.D

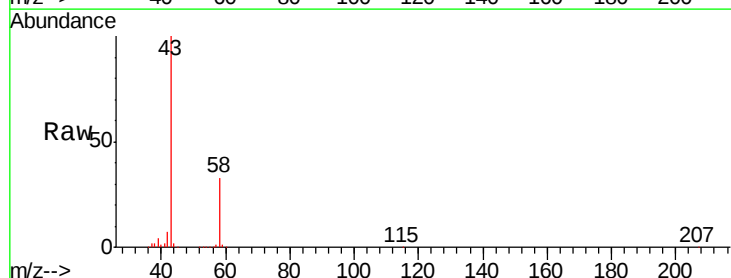
Acq: 7 Dec 2018 19:51

Tgt Ion: 43 Resp: 2316509

Ion Ratio Lower Upper

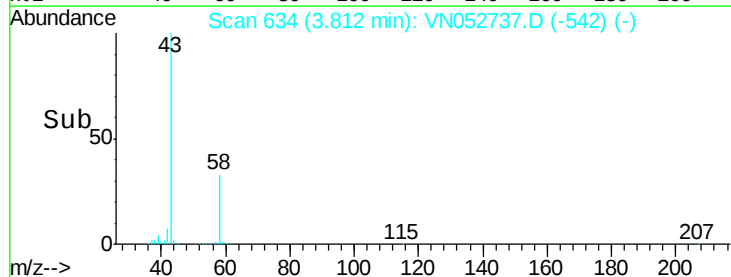
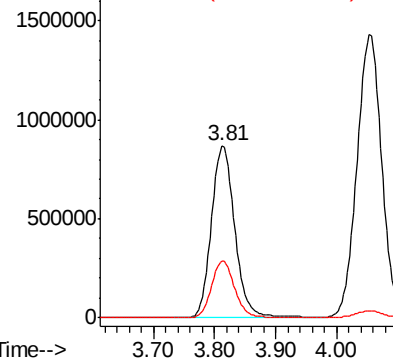
43 100

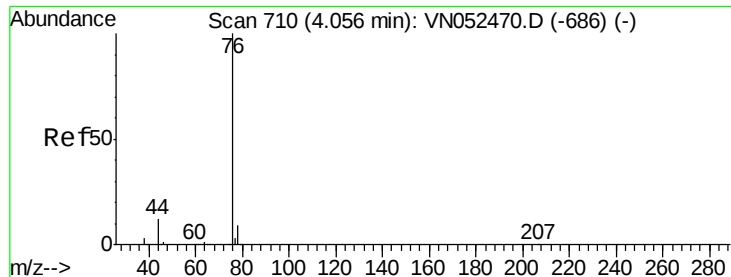
58 33.0 26.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 35.910 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN052737.D

Acq: 7 Dec 2018 19:51

Instrument :

MSVOA_N

ClientSampleId :

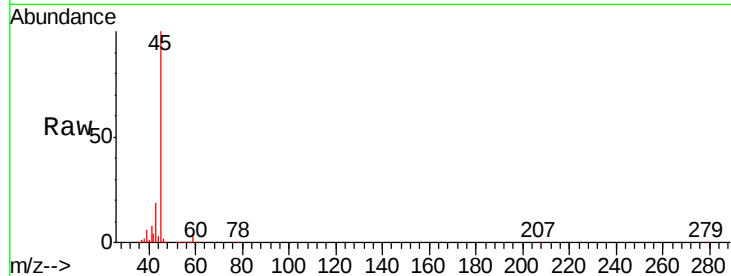
EFF-WW

Tgt Ion: 76 Resp: 3469

Ion Ratio Lower Upper

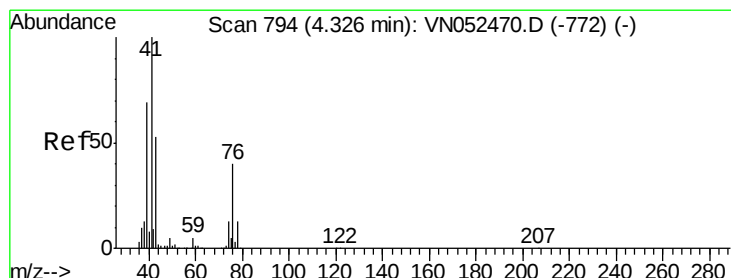
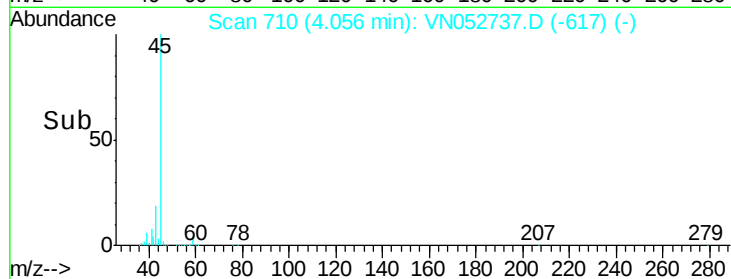
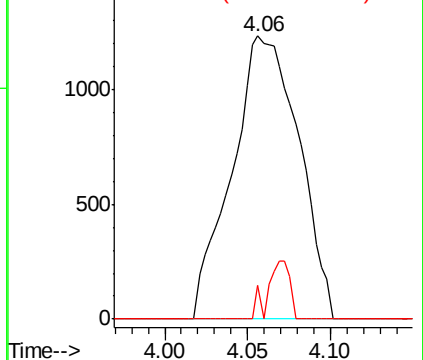
76 100

78 12.2 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 126098.854 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.27 min

Lab File: VN052737.D

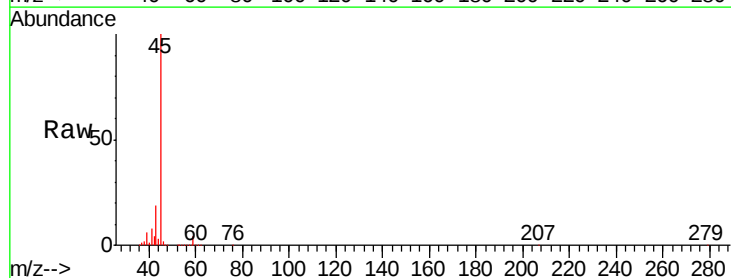
Acq: 7 Dec 2018 19:51

Tgt Ion: 43 Resp: 3404083

Ion Ratio Lower Upper

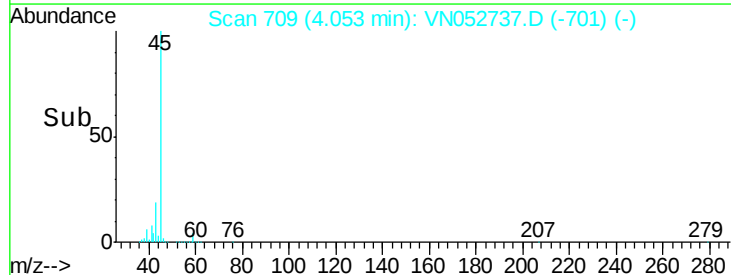
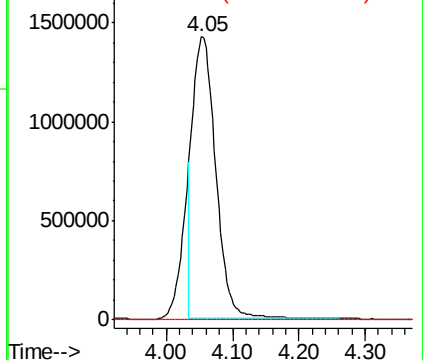
43 100

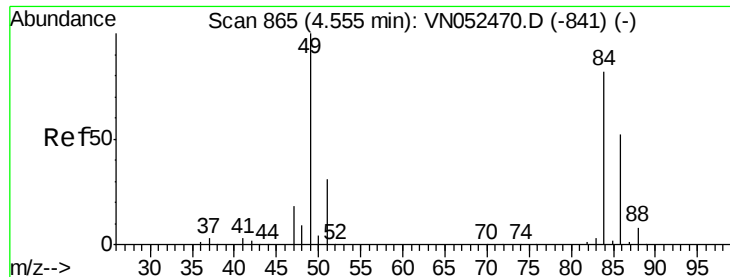
74 0.0 18.6 27.8#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

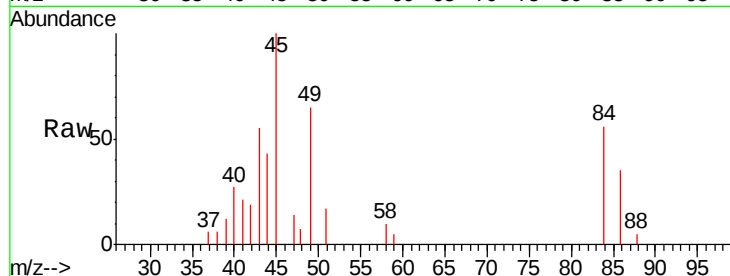




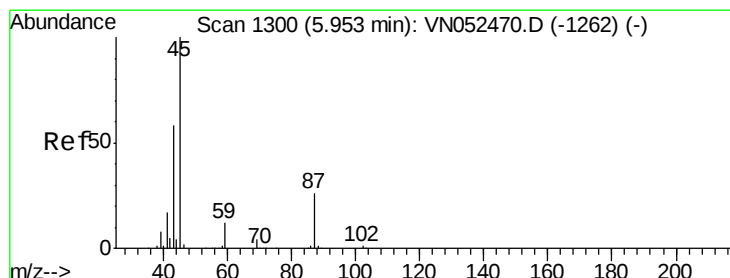
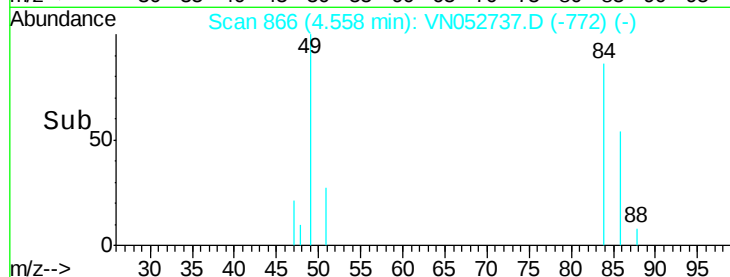
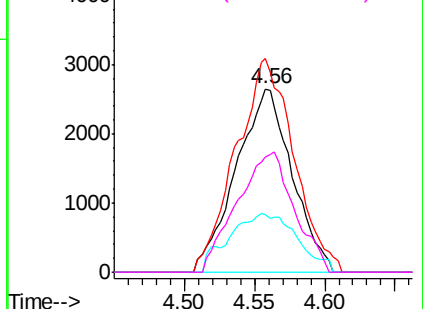
#20
Methylene Chloride
Concen: 199.358 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN052737.D
Acq: 7 Dec 2018 19:51

Instrument :
MSVOA_N
ClientSampled :
EFF-WW

Tgt Ion:	84	Resp:	7342
Ion	Ratio	Lower	Upper
84	100		
49	116.5	98.0	147.0
51	31.2	30.1	45.1
86	62.6	50.7	76.1

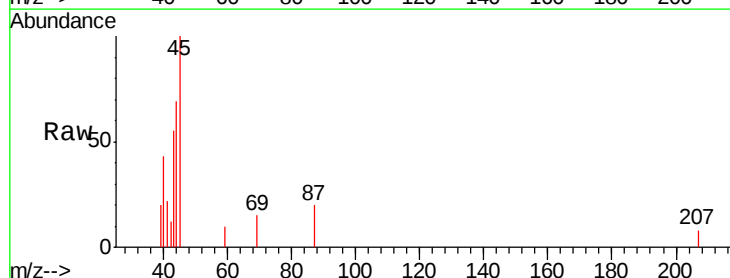


Abundance Ion 83.90 (83.60 to 84.60): VNC

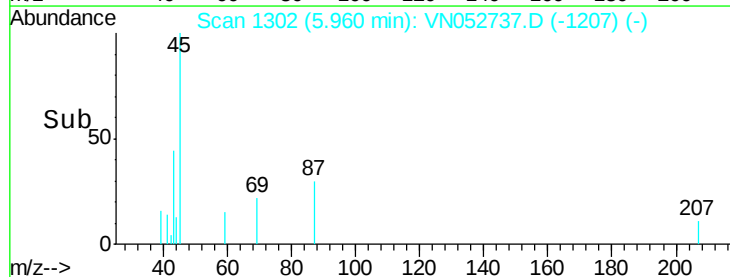
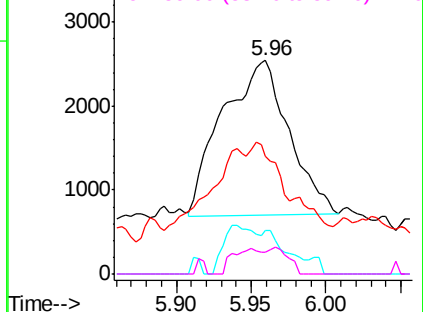


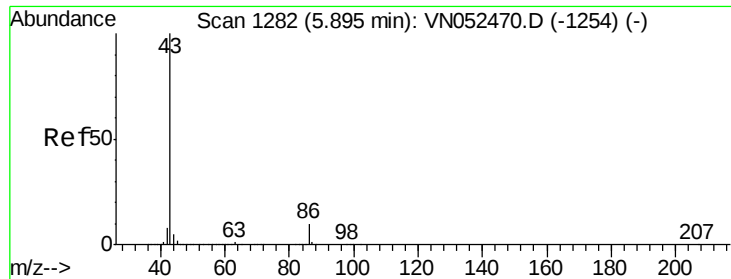
#22
Diisopropyl ether
Concen: 51.156 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.01 min
Lab File: VN052737.D
Acq: 7 Dec 2018 19:51

Tgt Ion:	45	Resp:	5685
Ion	Ratio	Lower	Upper
45	100		
43	43.2	46.1	69.1#
87	28.5	21.3	31.9
59	14.0	9.5	14.3



Abundance Ion 45.00 (44.70 to 45.70): VNC

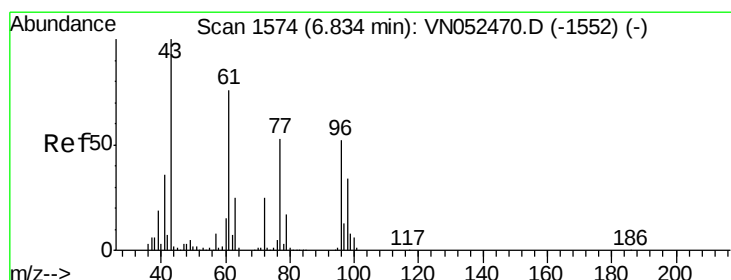
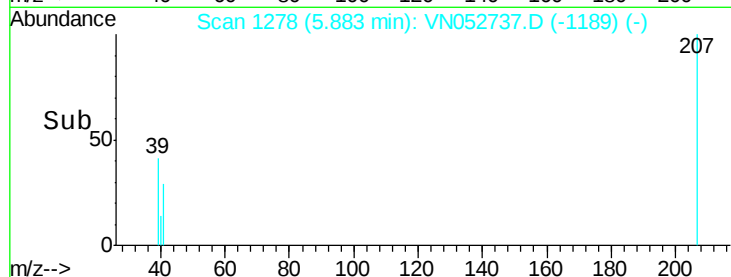
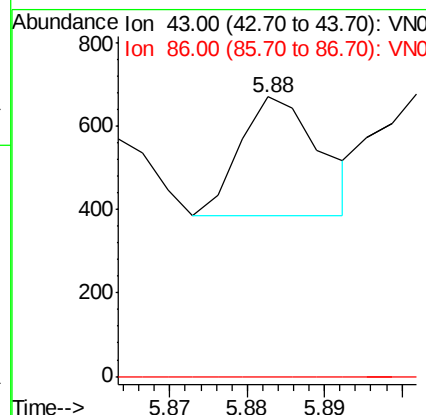
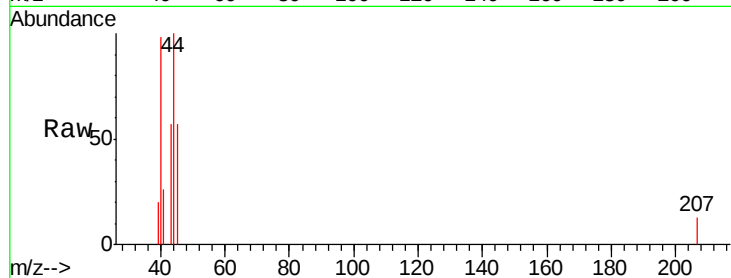




#23
 Vinyl Acetate
 Concen: 2.962 ug/l
 RT: 5.88 min Scan# 1278
 Delta R.T. -0.01 min
 Lab File: VN052737.D
 Acq: 7 Dec 2018 19:51

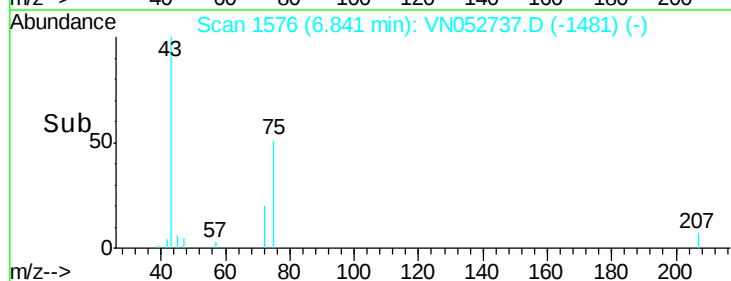
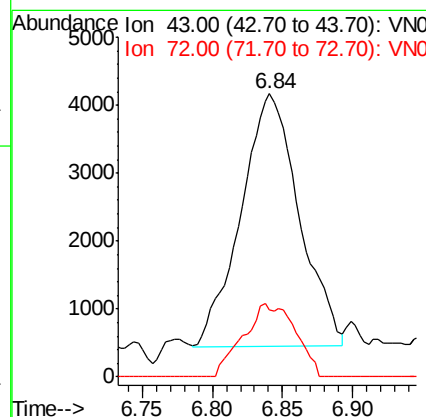
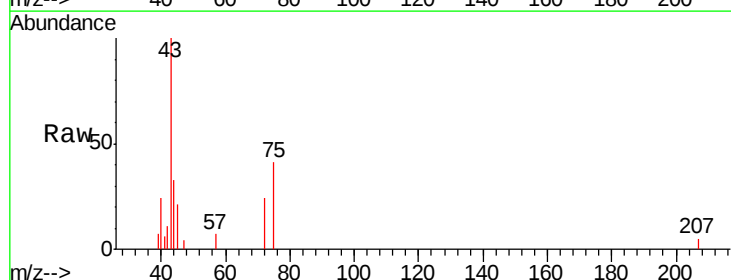
Instrument :
 MSVOA_N
 ClientSampleId :
 EFF-WW

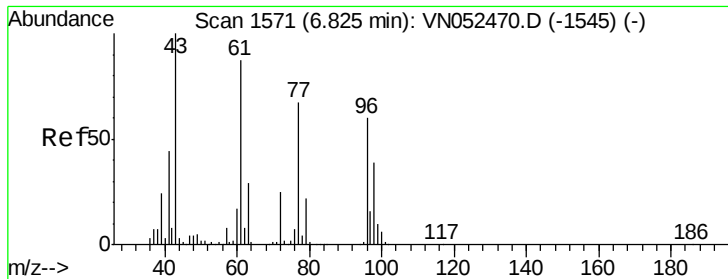
Tgt Ion: 43 Resp: 205
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.8 11.8#



#25
 2-Butanone
 Concen: 808.441 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. 0.01 min
 Lab File: VN052737.D
 Acq: 7 Dec 2018 19:51

Tgt Ion: 43 Resp: 10784
 Ion Ratio Lower Upper
 43 100
 72 26.8 20.1 30.1





#26

2,2-Dichloropropane

Concen: 6.353 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN052737.D

Acq: 7 Dec 2018 19:51

Instrument :

MSVOA_N

ClientSampleId :

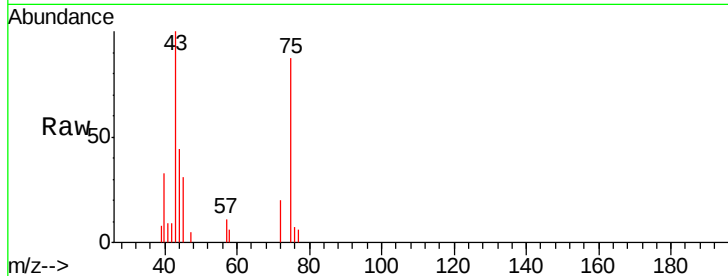
EFF-WW

Tgt Ion: 77 Resp: 279

Ion Ratio Lower Upper

77 100

97 0.0 11.8 35.3#



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.83

200

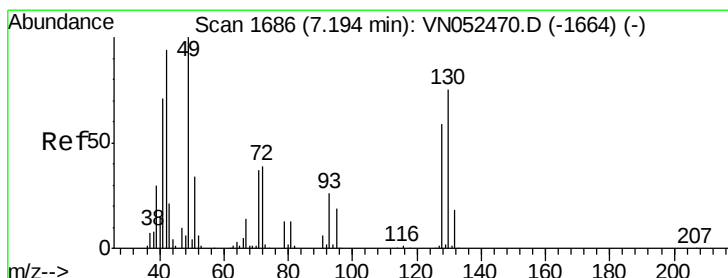
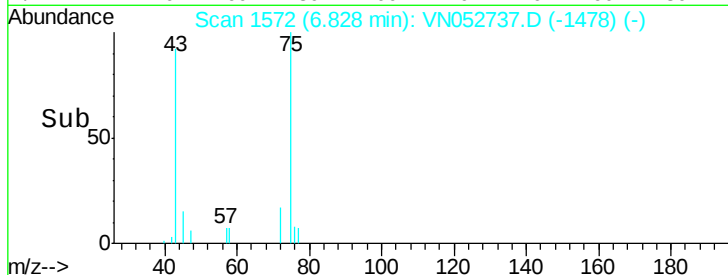
150

100

50

0

Time-->



#28

Bromochloromethane

Concen: 8502.383 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN052737.D

Acq: 7 Dec 2018 19:51

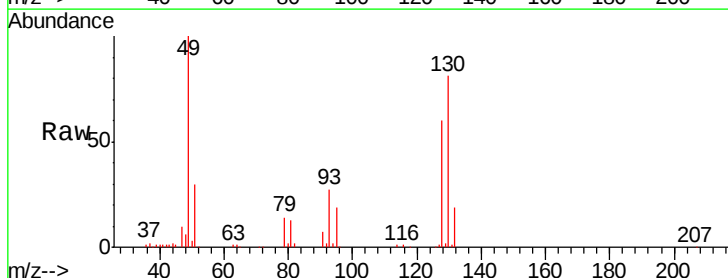
Tgt Ion: 49 Resp: 246412

Ion Ratio Lower Upper

49 100

129 1.9 0.0 3.8

130 78.2 60.2 90.2



Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

120000

100000

80000

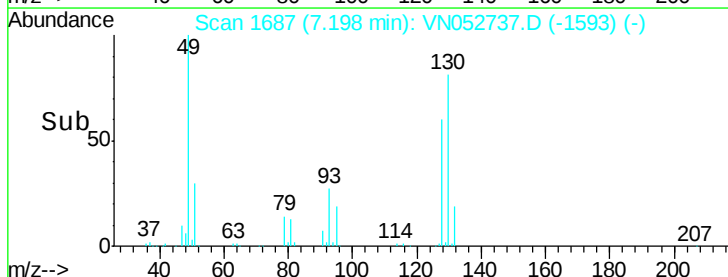
60000

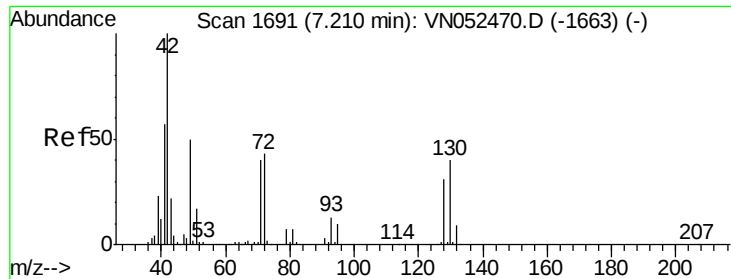
40000

20000

0

Time-->

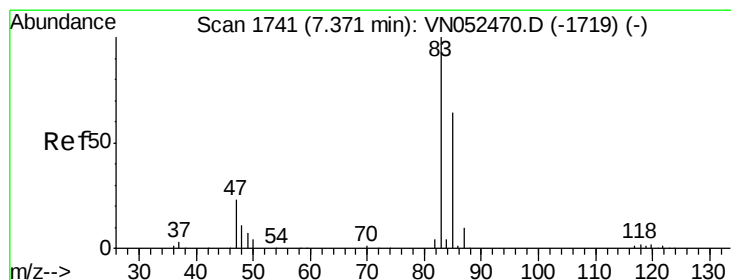
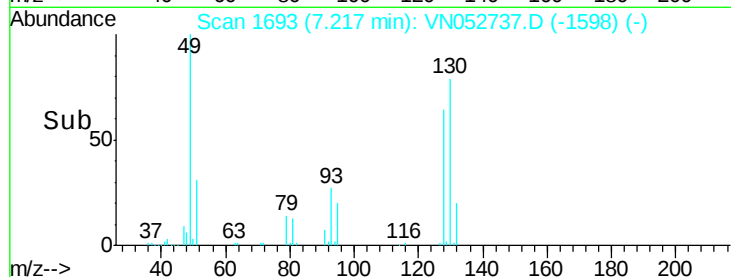
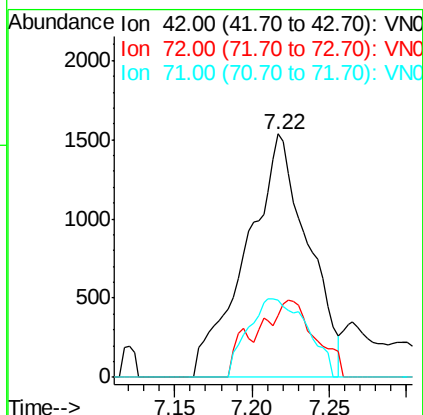
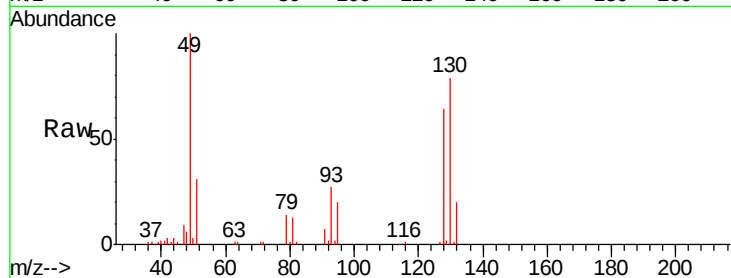




#29
Tetrahydrofuran
Concen: 492.227 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VN052737.D
Acq: 7 Dec 2018 19:51

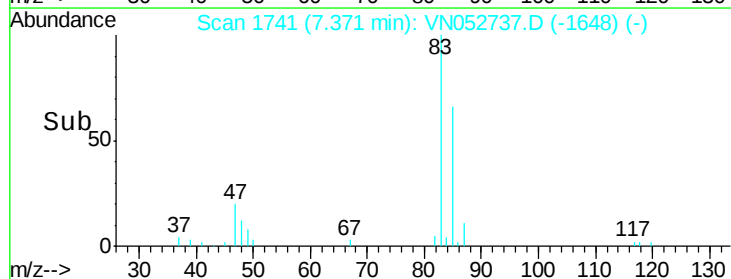
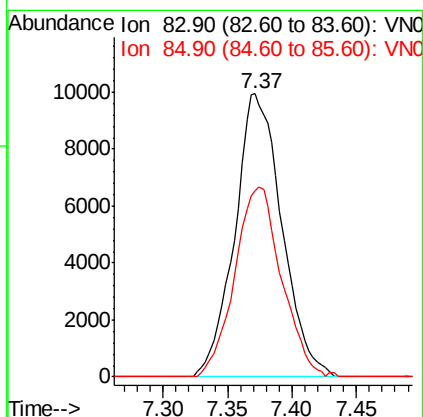
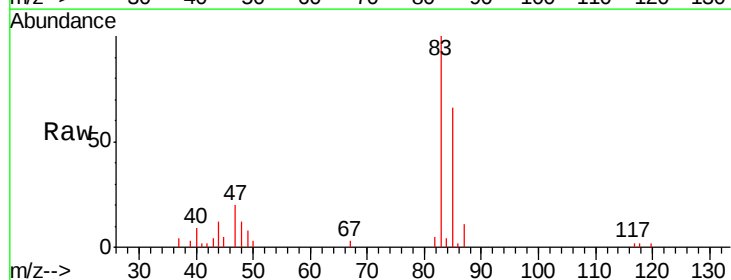
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

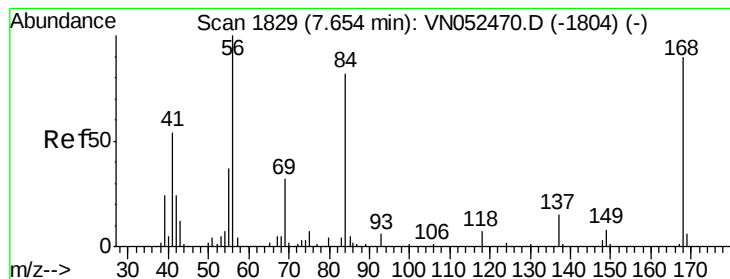
Tgt Ion: 42 Resp: 4235
Ion Ratio Lower Upper
42 100
72 25.1 33.3 49.9#
71 30.9 32.0 48.0#



#30
Chloroform
Concen: 399.694 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN052737.D
Acq: 7 Dec 2018 19:51

Tgt Ion: 83 Resp: 25303
Ion Ratio Lower Upper
83 100
85 65.8 51.0 76.4





#31

Cyclohexane

Concen: 4.930 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN052737.D

Acq: 7 Dec 2018 19:51

Instrument :

MSVOA_N

ClientSampleId :

EFF-WW

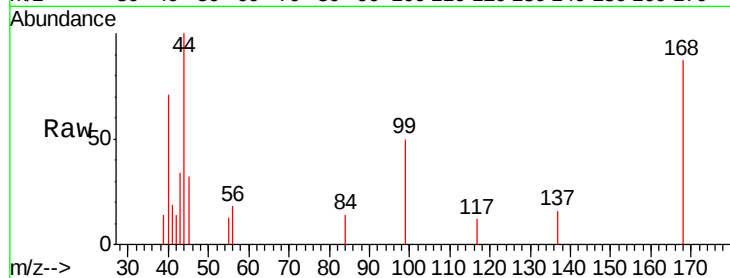
Tgt Ion: 56 Resp: 323

Ion Ratio Lower Upper

56 100

69 0.0 25.8 38.6#

84 15.6 65.3 97.9#

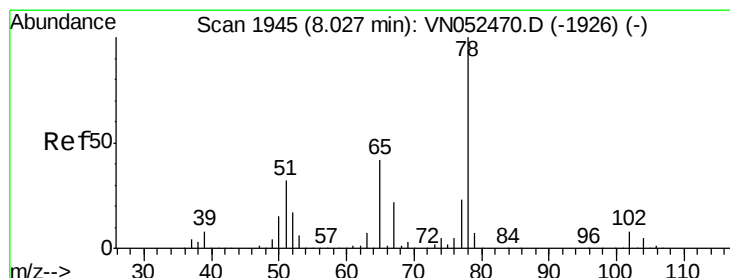
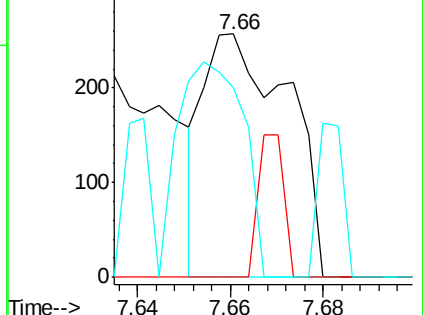
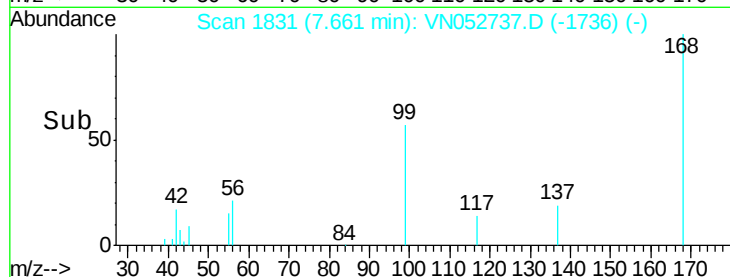


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

Time-->



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN052737.D

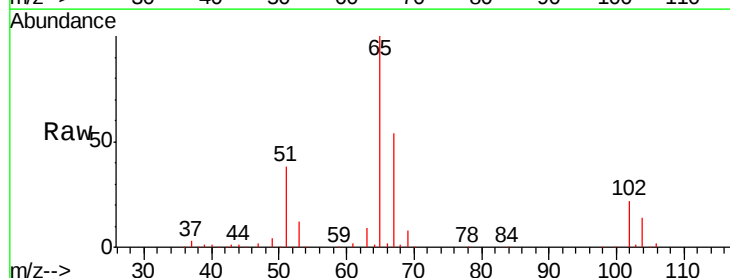
Acq: 7 Dec 2018 19:51

Tgt Ion: 65 Resp: 306892

Ion Ratio Lower Upper

65 100

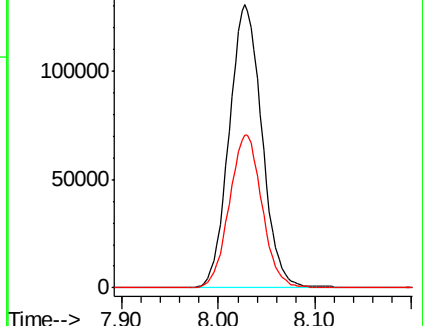
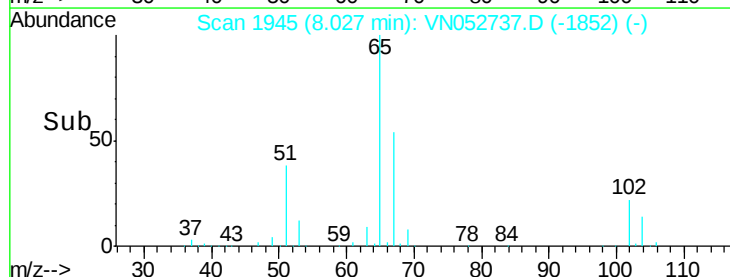
67 54.1 0.0 109.8

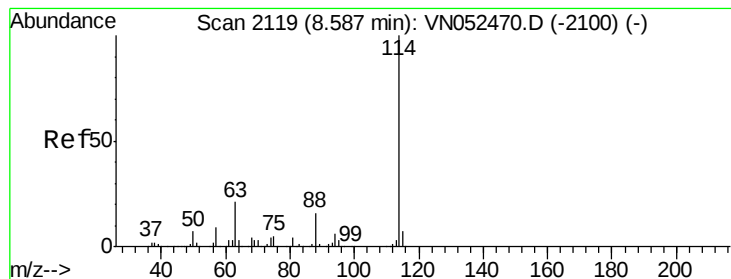


Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN052737.D

Acq: 7 Dec 2018 19:51

Instrument :

MSVOA_N

ClientSampled :

EFF-WW

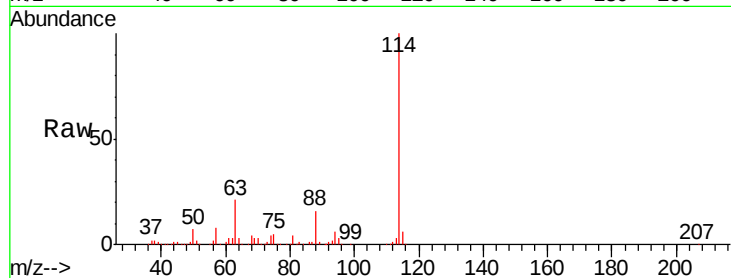
Tgt Ion:114 Resp: 867082

Ion Ratio Lower Upper

114 100

63 20.6 0.0 41.8

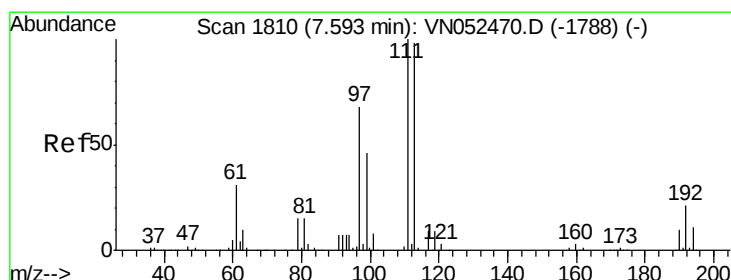
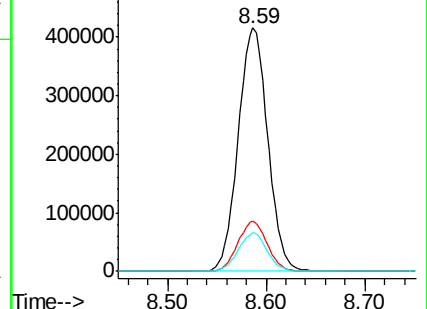
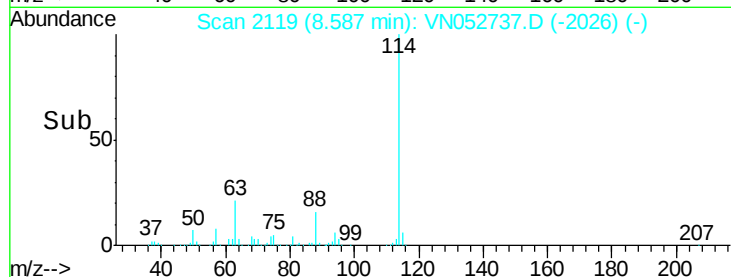
88 15.8 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.58 min Scan# 1807

Delta R.T. -0.01 min

Lab File: VN052737.D

Acq: 7 Dec 2018 19:51

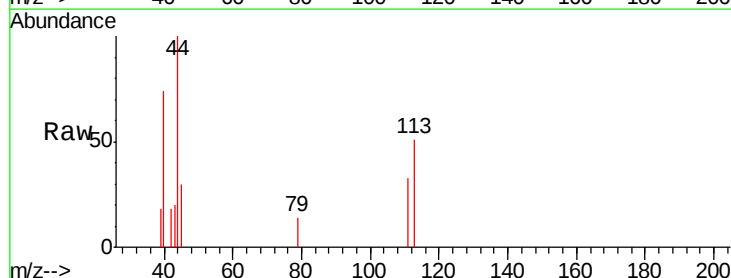
Tgt Ion:113 Resp: 732

Ion Ratio Lower Upper

113 100

111 184.7 82.0 123.0#

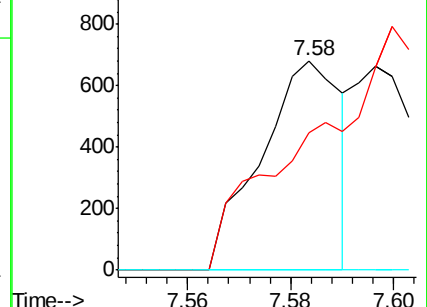
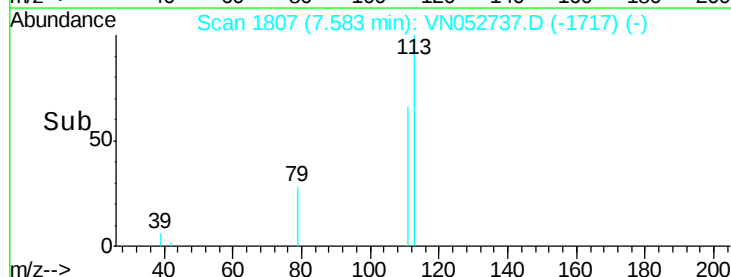
192 0.0 17.0 25.6#

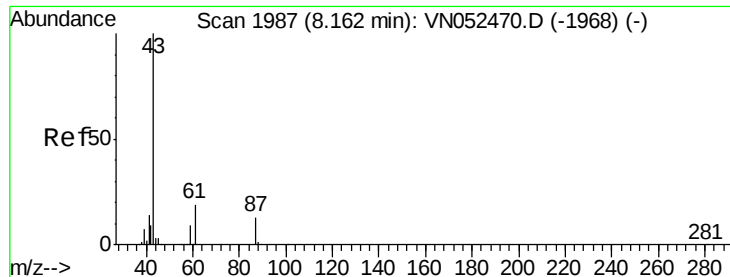


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 0.380 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052737.D

Acq: 7 Dec 2018 19:51

Instrument :

MSVOA_N

ClientSampled :

EFF-WW

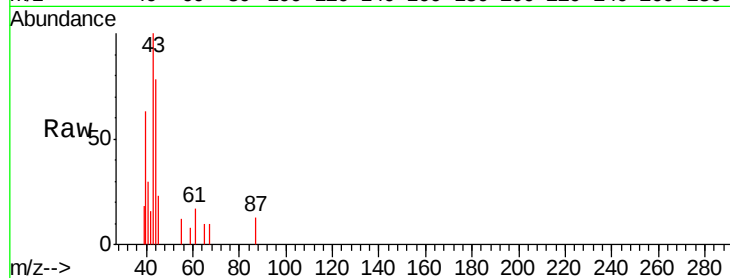
Tgt Ion: 43 Resp: 3217

Ion Ratio Lower Upper

43 100

61 8.1 24.1 36.1#

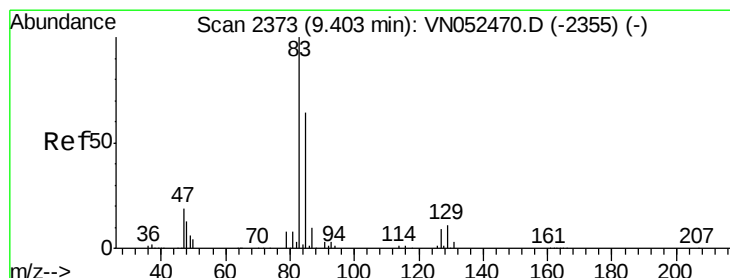
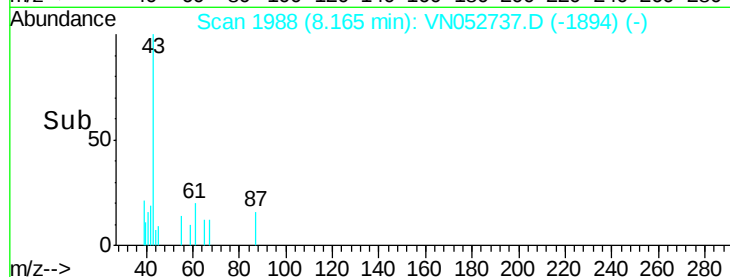
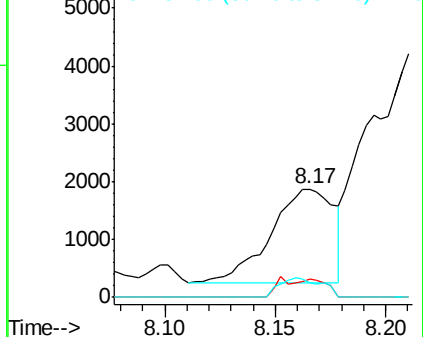
87 13.7 10.6 15.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#47

Bromodichloromethane

Concen: 0.299 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052737.D

Acq: 7 Dec 2018 19:51

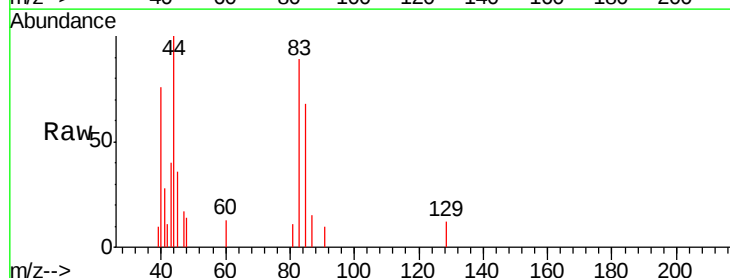
Tgt Ion: 83 Resp: 2333

Ion Ratio Lower Upper

83 100

85 76.6 51.3 76.9

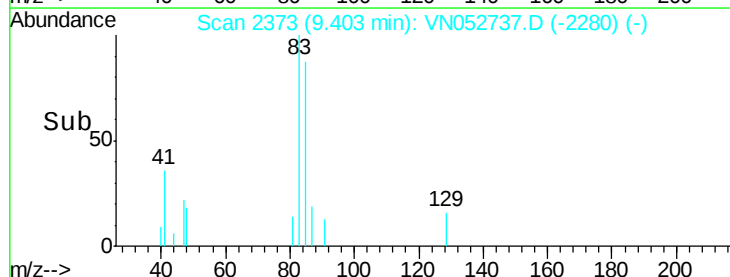
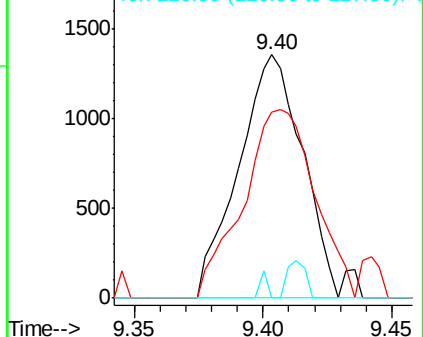
127 0.0 6.9 10.3#

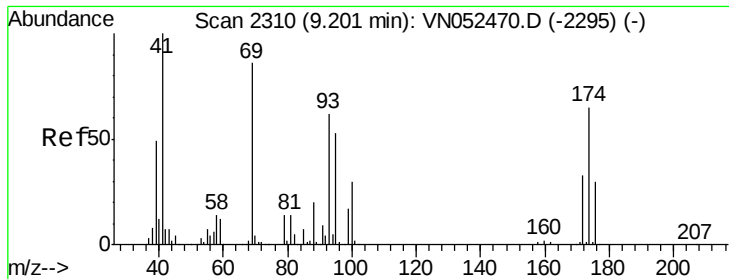


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V

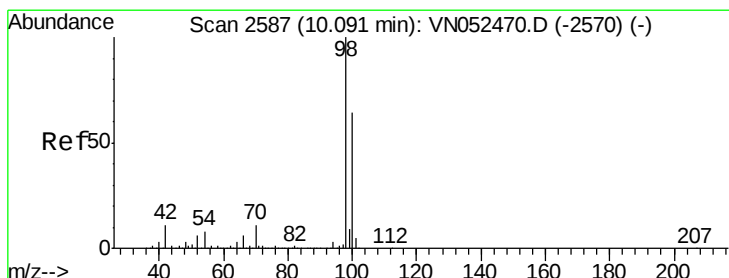
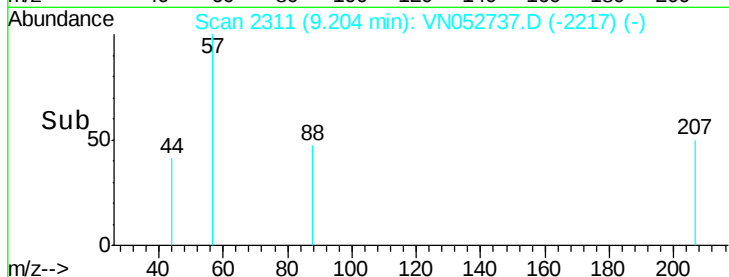
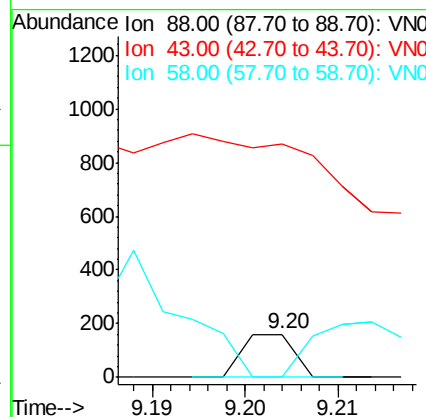
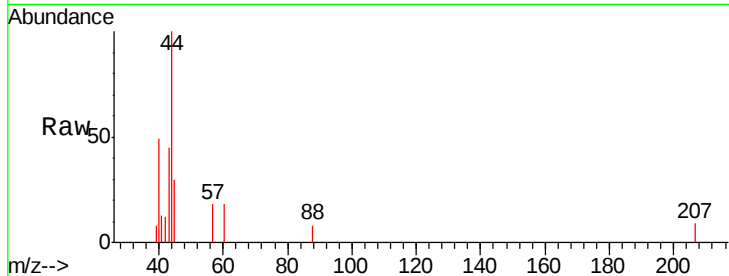




#49
1,4-Dioxane
Concen: 1.355 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN052737.D
Acq: 7 Dec 2018 19:51

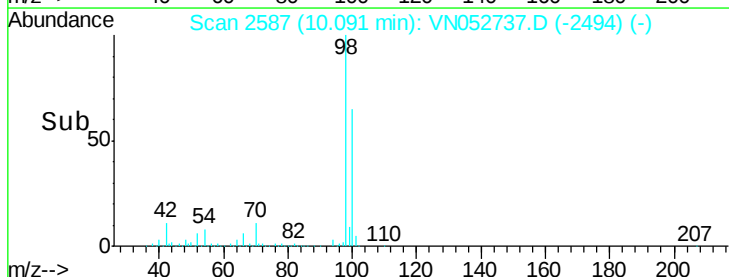
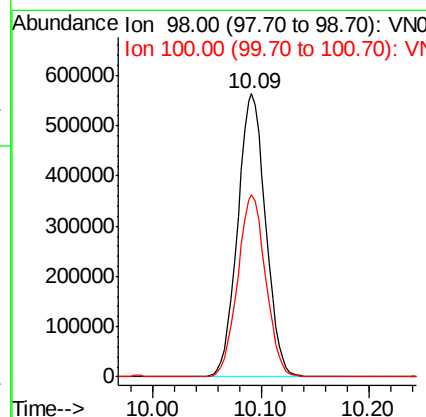
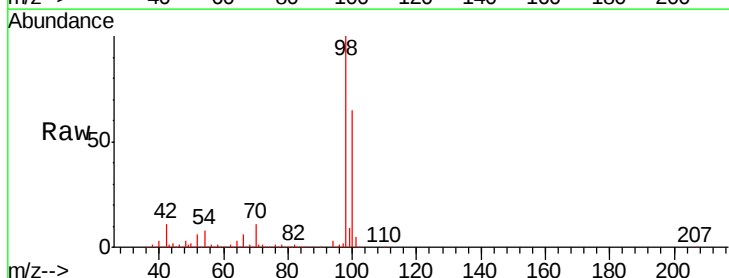
Instrument :
MSVOA_N
ClientSampled :
EFF-WW

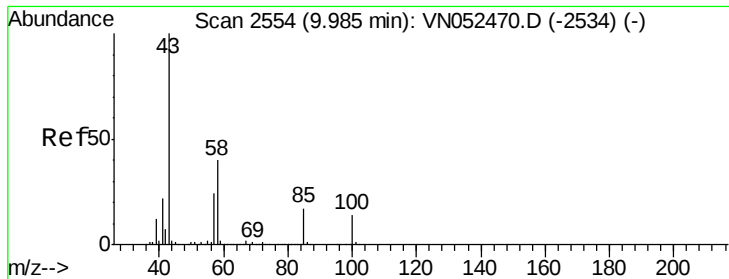
Tgt Ion: 88 Resp: 62
Ion Ratio Lower Upper
88 100
43 0.0 26.4 39.6#
58 221.0 55.4 83.0#



#50
Toluene-d8
Concen: 1.355 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052737.D
Acq: 7 Dec 2018 19:51

Tgt Ion: 98 Resp: 1022137
Ion Ratio Lower Upper
98 100
100 64.3 51.3 76.9





#51

4-Methyl-2-Pentanone

Concen: 6.412 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN052737.D

Acq: 7 Dec 2018 19:51

Instrument :

MSVOA_N

ClientSampleId :

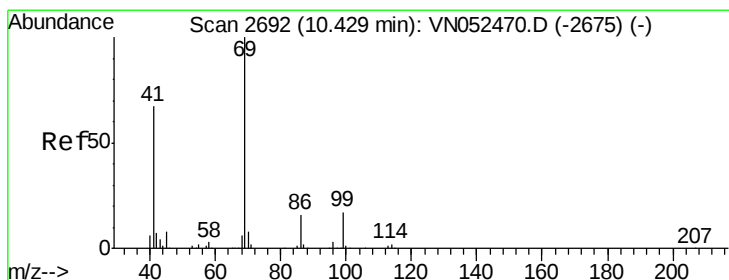
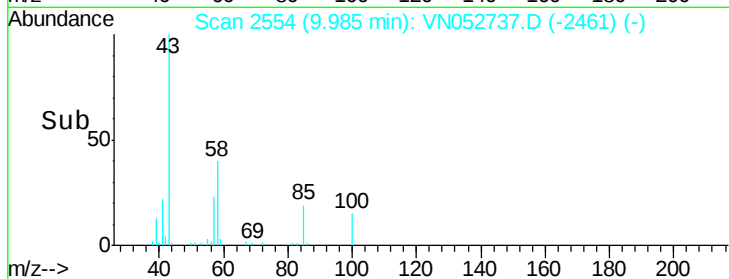
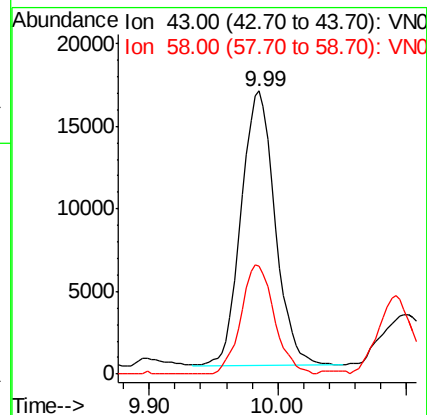
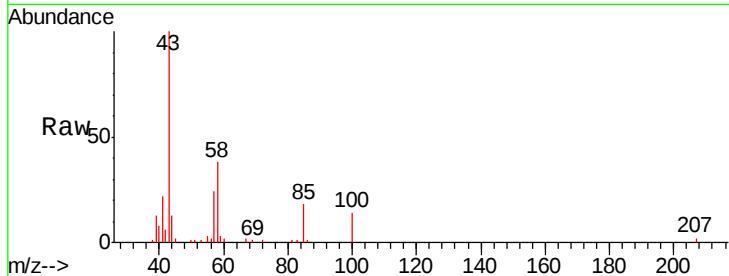
EFF-WW

Tgt Ion: 43 Resp: 30424

Ion Ratio Lower Upper

43 100

58 39.1 31.5 47.3



#56

Ethyl methacrylate

Concen: 2.857 ug/l

RT: 10.47 min Scan# 2705

Delta R.T. 0.04 min

Lab File: VN052737.D

Acq: 7 Dec 2018 19:51

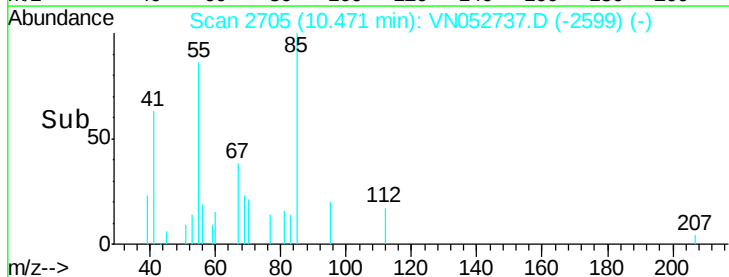
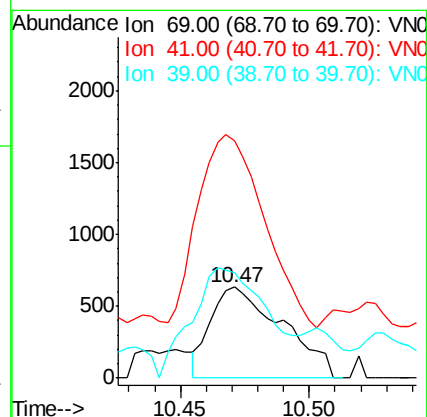
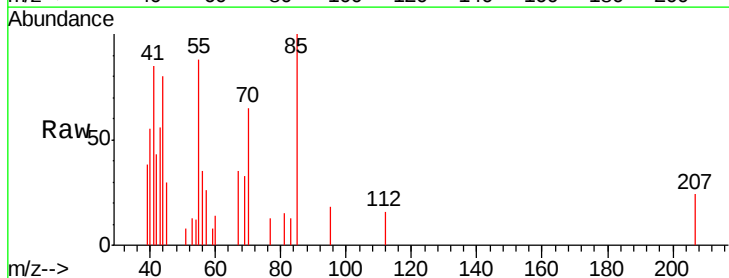
Tgt Ion: 69 Resp: 1225

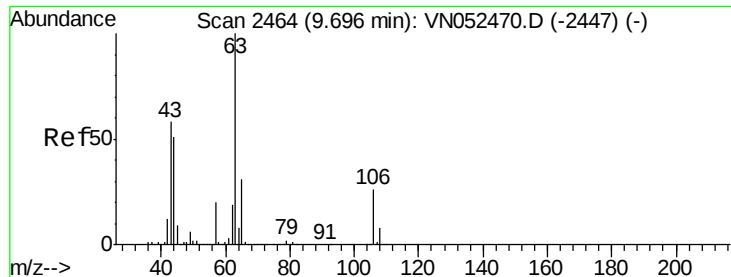
Ion Ratio Lower Upper

69 100

41 197.1 52.6 79.0#

39 130.3 25.9 38.9#

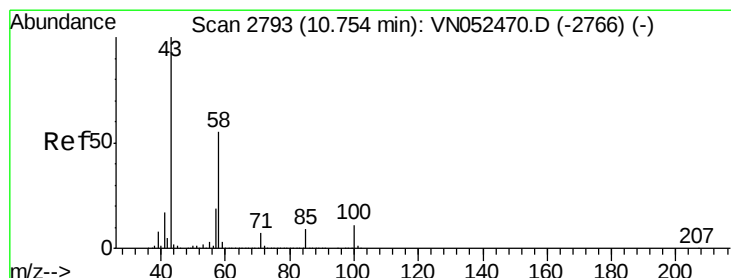
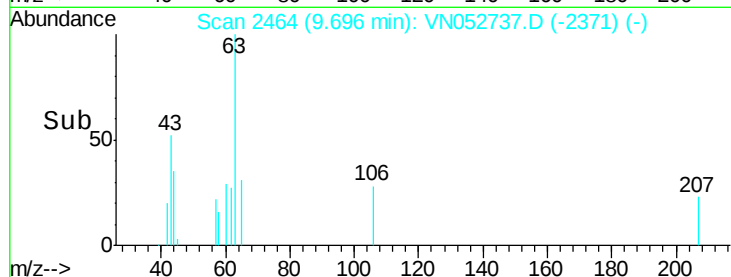
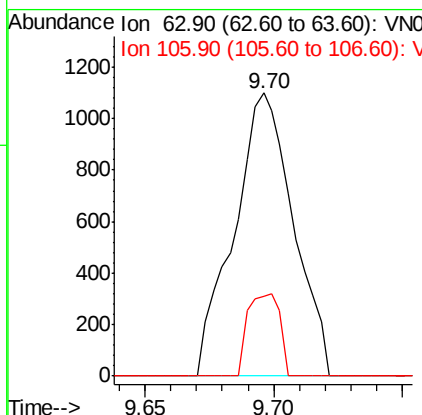
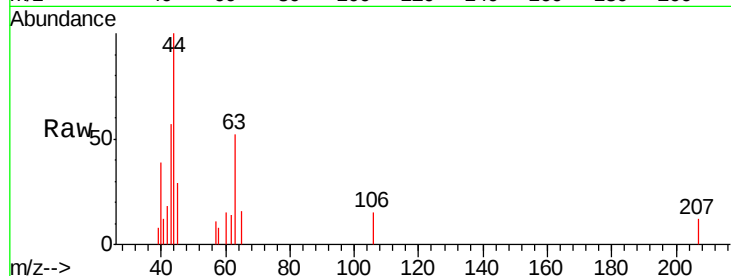




#58
 2-Chloroethyl Vinyl ether
 Concen: 0.477 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN052737.D
 Acq: 7 Dec 2018 19:51

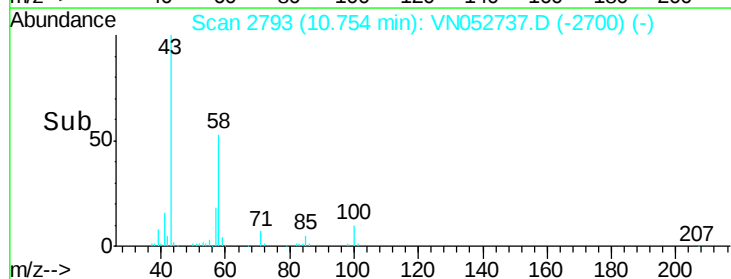
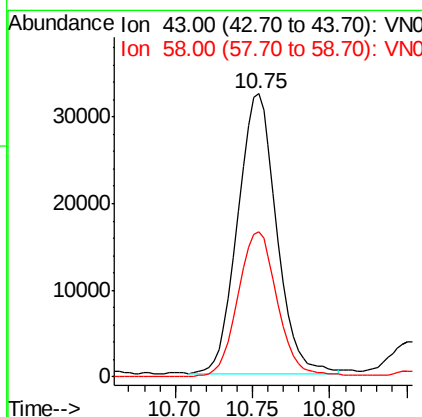
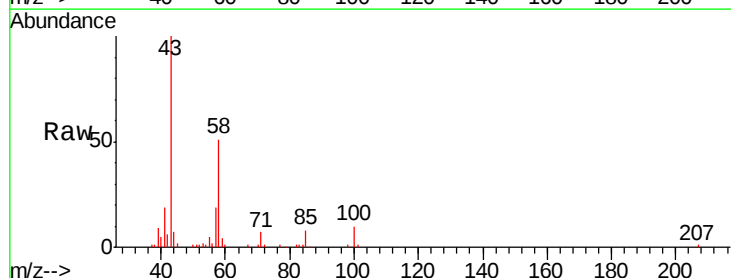
Instrument :
 MSVOA_N
 ClientSampled :
 EFF-WW

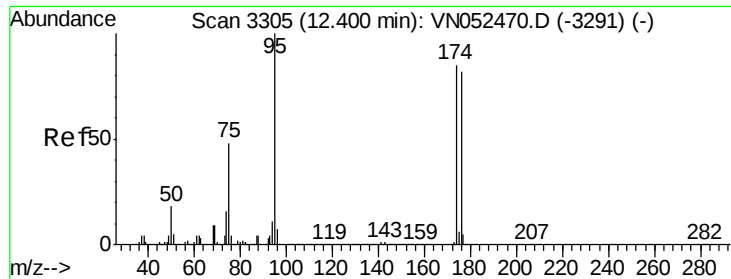
Tgt Ion: 63 Resp: 1764
 Ion Ratio Lower Upper
 63 100
 106 15.8 20.6 30.8#



#59
 2-Hexanone
 Concen: 17.651 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.00 min
 Lab File: VN052737.D
 Acq: 7 Dec 2018 19:51

Tgt Ion: 43 Resp: 56208
 Ion Ratio Lower Upper
 43 100
 58 53.1 27.4 82.0

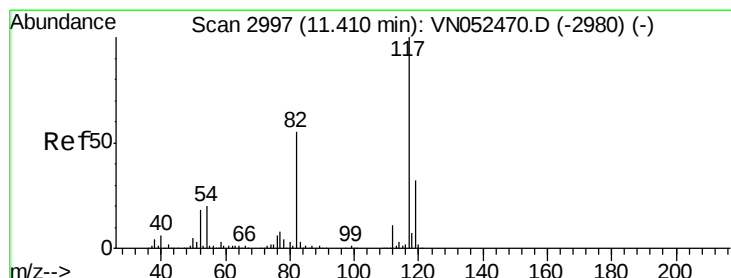
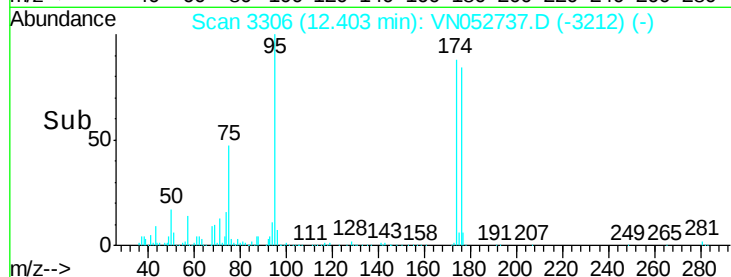
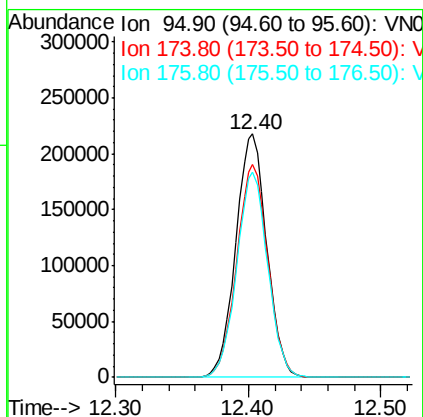
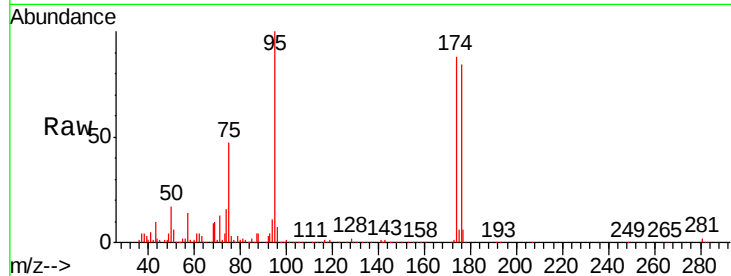




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052737.D
Acq: 7 Dec 2018 19:51

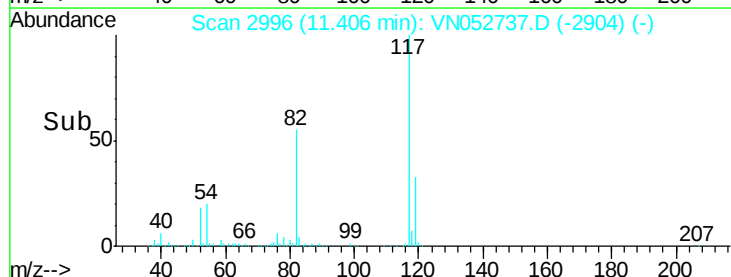
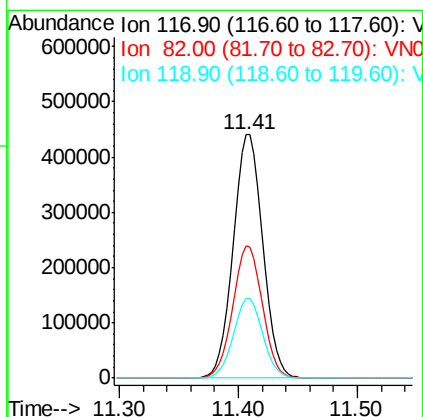
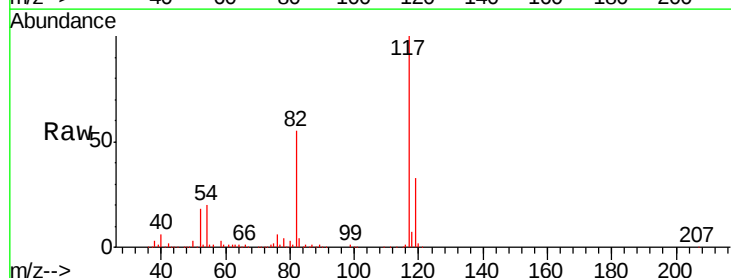
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

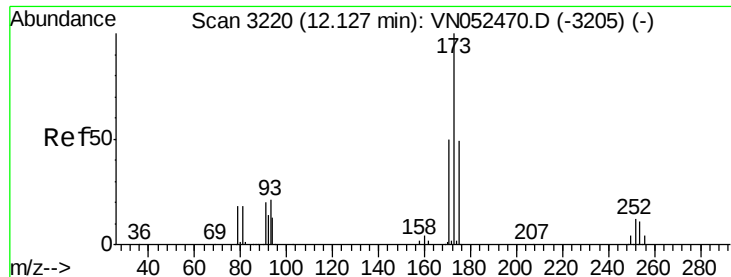
Tgt Ion: 95 Resp: 351633
Ion Ratio Lower Upper
95 100
174 88.1 0.0 173.0
176 84.3 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052737.D
Acq: 7 Dec 2018 19:51

Tgt Ion: 117 Resp: 759150
Ion Ratio Lower Upper
117 100
82 54.5 43.6 65.4
119 32.8 25.4 38.2





#71

Bromoform

Concen: 0.731 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN052737.D

Acq: 7 Dec 2018 19:51

Instrument :

MSVOA_N

ClientSampled :

EFF-WW

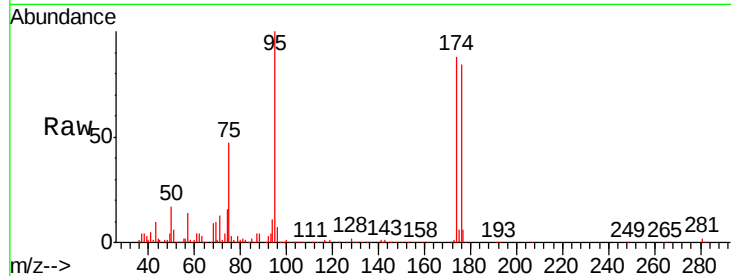
Tgt Ion:173 Resp: 2635

Ion Ratio Lower Upper

173 100

175 715.3 24.4 73.2#

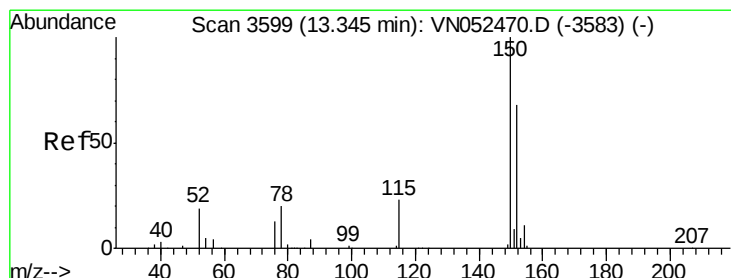
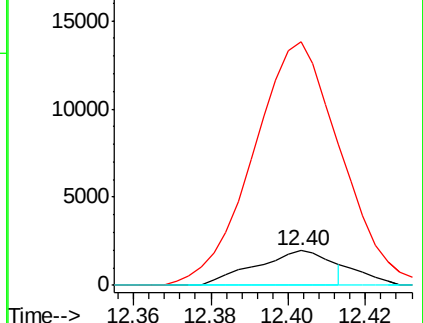
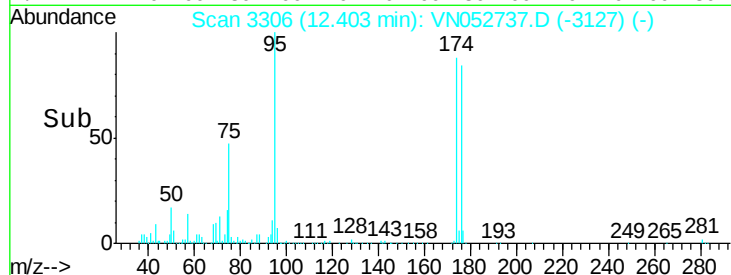
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN052737.D

Acq: 7 Dec 2018 19:51

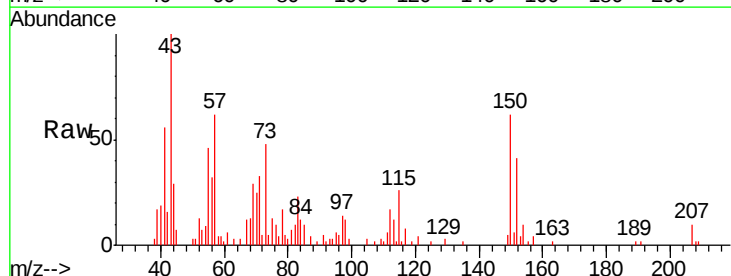
Tgt Ion:152 Resp: 5892

Ion Ratio Lower Upper

152 100

115 61.2 28.4 85.2

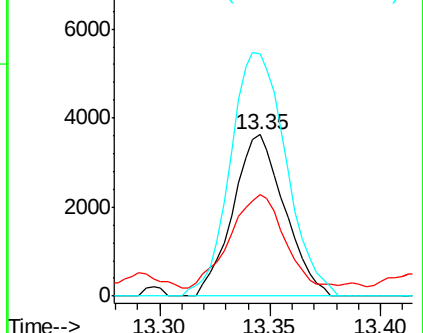
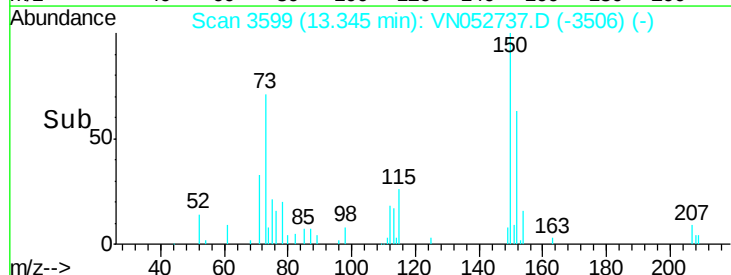
150 163.2 0.0 346.0

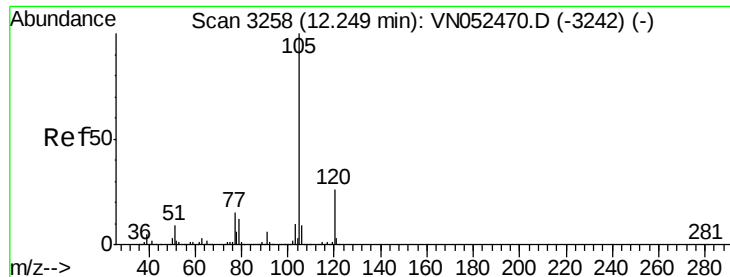


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 6.483 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052737.D

Acq: 7 Dec 2018 19:51

Instrument :

MSVOA_N

ClientSampleId :

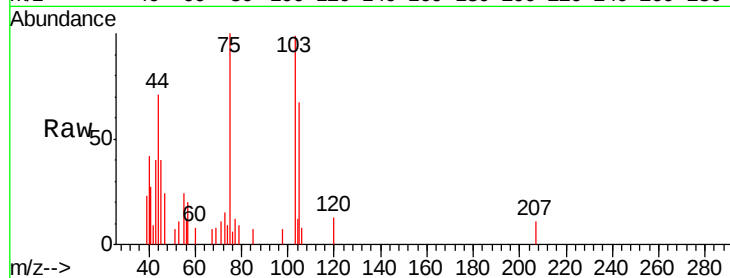
EFF-WW

Tgt Ion: 105 Resp: 2997

Ion Ratio Lower Upper

105 100

120 15.5 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

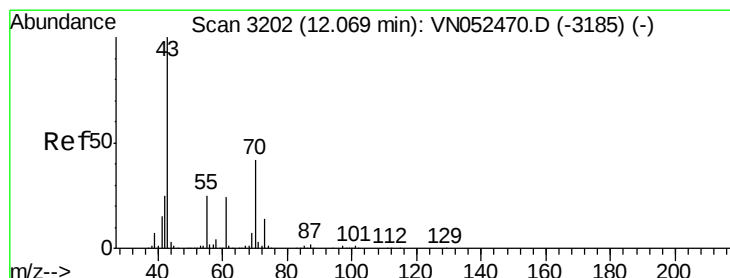
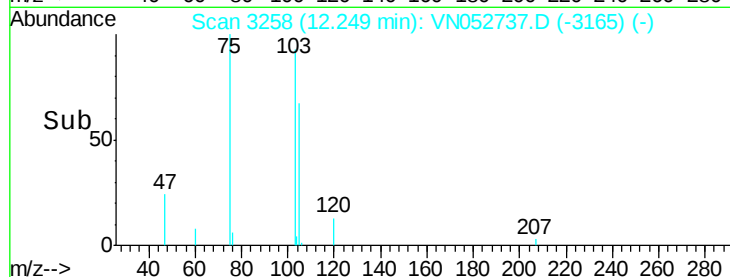
1500

1000

500

0

Time-->



#74

N-ethyl acetate

Concen: 87.930 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.06 min

Lab File: VN052737.D

Acq: 7 Dec 2018 19:51

Tgt Ion: 43 Resp: 10269

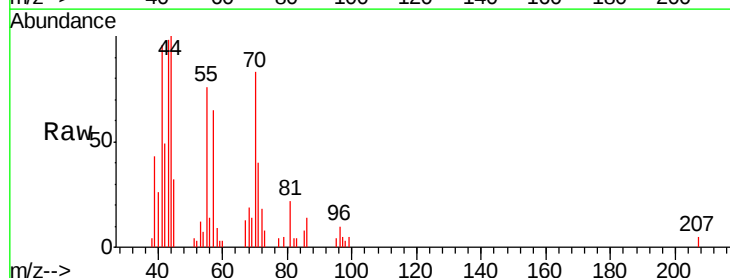
Ion Ratio Lower Upper

43 100

70 83.0 33.8 50.8#

55 0.0 20.0 30.0#

61 0.0 19.7 29.5#



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

8000

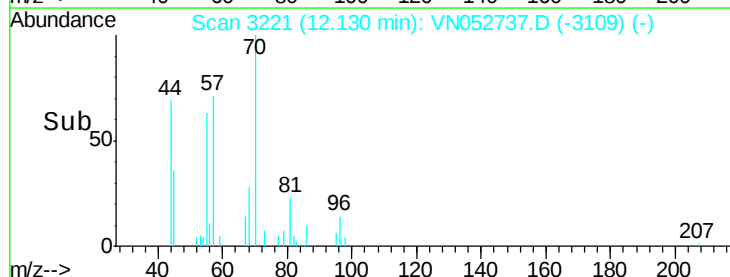
6000

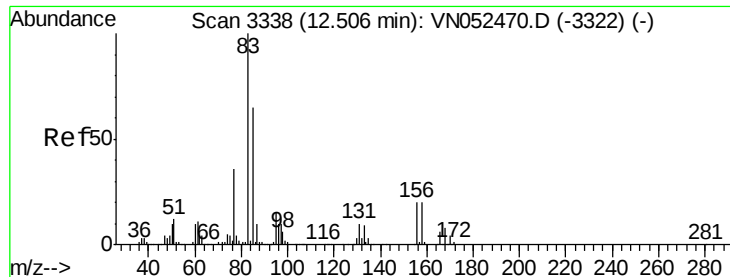
4000

2000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 160.600 ug/l

RT: 12.53 min Scan# 3346

Delta R.T. 0.03 min

Lab File: VN052737.D

Acq: 7 Dec 2018 19:51

Instrument :

MSVOA_N

ClientSampleId :

EFF-WW

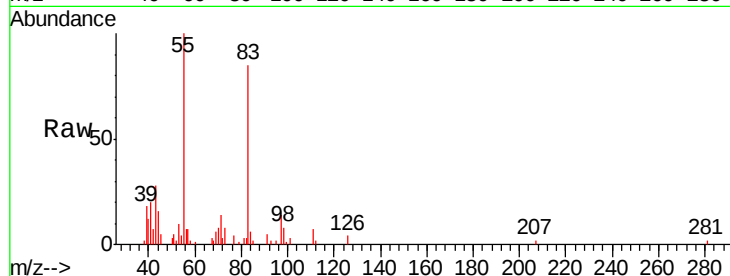
Tgt Ion: 83 Resp: 16888

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

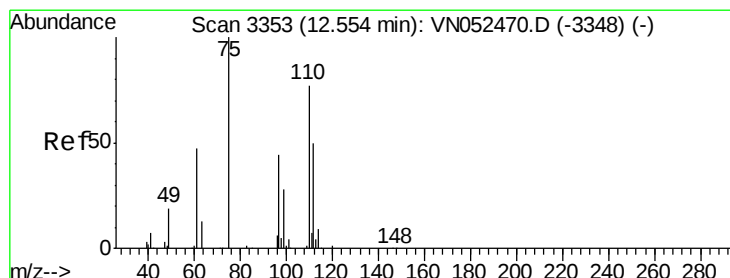
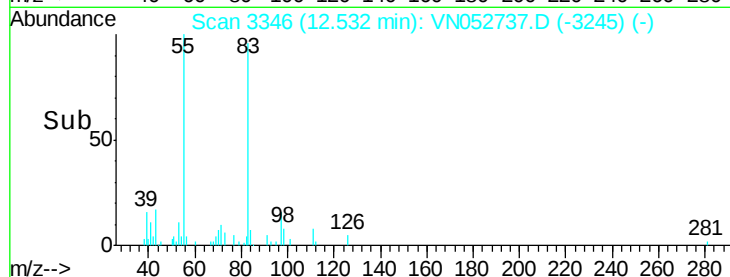
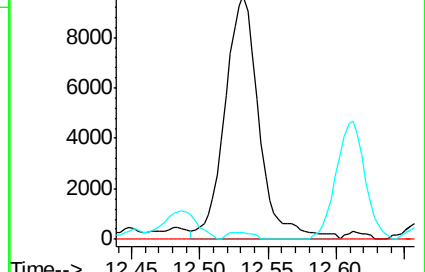
85 2.1 31.9 95.9#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 1853.059 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN052737.D

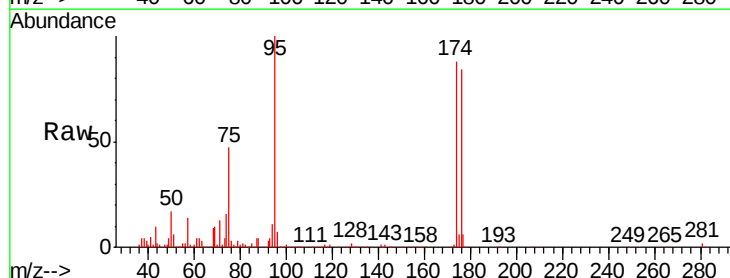
Acq: 7 Dec 2018 19:51

Tgt Ion: 75 Resp: 168365

Ion Ratio Lower Upper

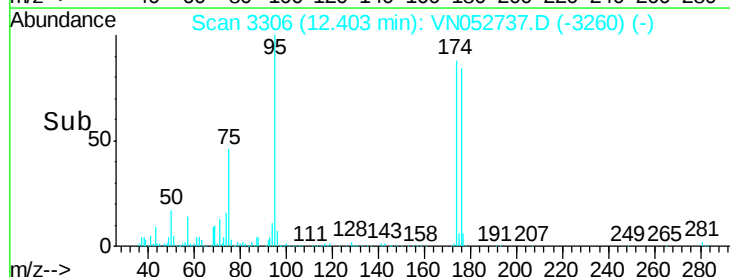
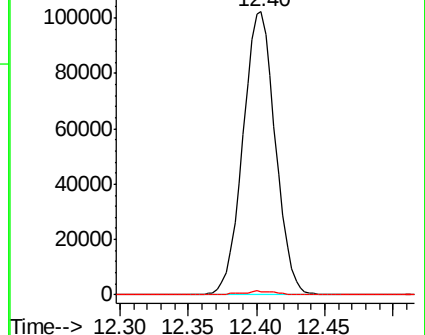
75 100

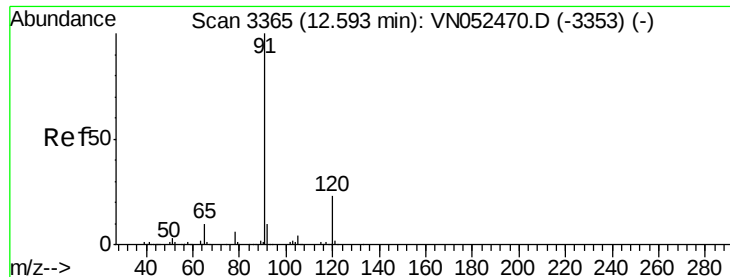
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#78

n-propylbenzene

Concen: 2.201 ug/l

RT: 12.69 min Scan# 3396

Delta R.T. 0.10 min

Lab File: VN052737.D

Acq: 7 Dec 2018 19:51

Instrument :

MSVOA_N

ClientSampleId :

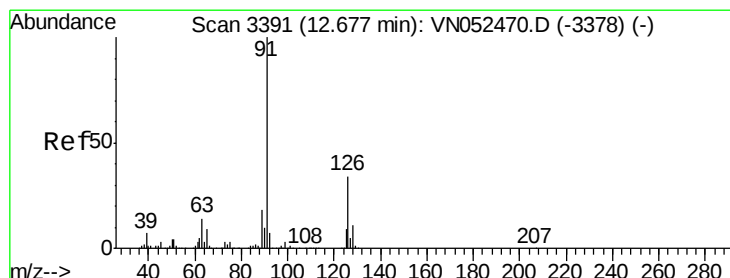
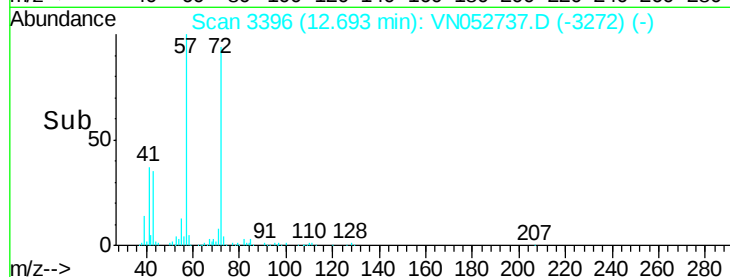
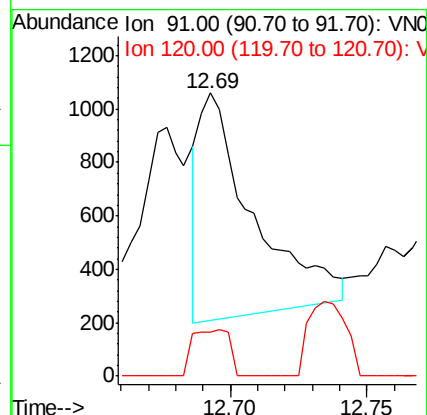
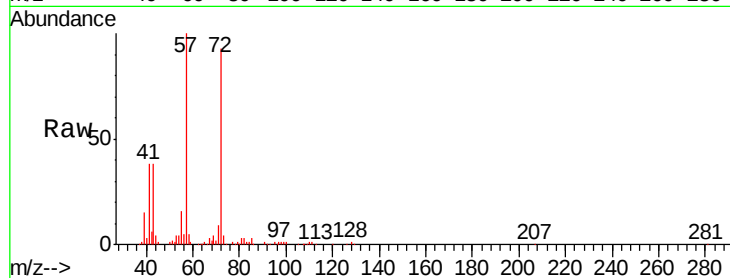
EFF-WW

Tgt Ion: 91 Resp: 1156

Ion Ratio Lower Upper

91 100

120 13.8 11.3 33.9



#79

2-Chlorotoluene

Concen: 3.696 ug/l

RT: 12.69 min Scan# 3396

Delta R.T. 0.02 min

Lab File: VN052737.D

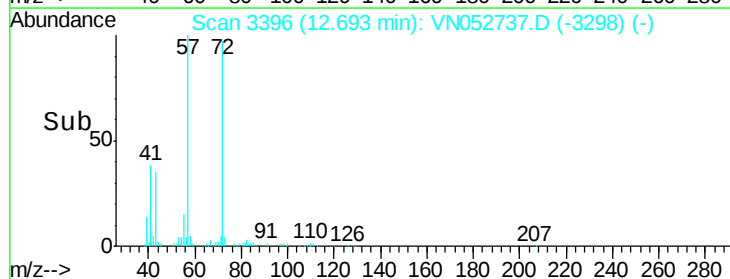
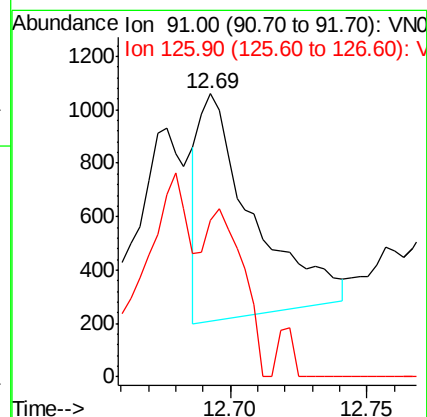
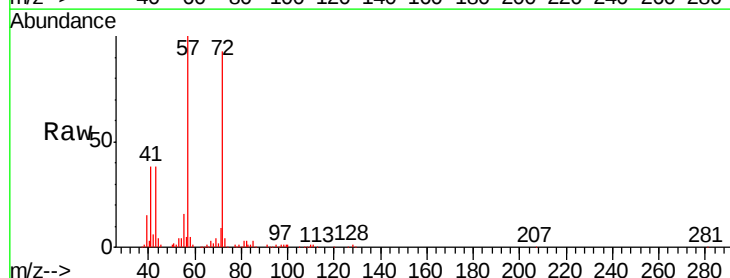
Acq: 7 Dec 2018 19:51

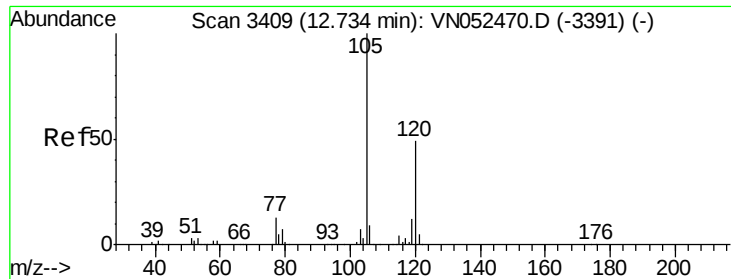
Tgt Ion: 91 Resp: 1156

Ion Ratio Lower Upper

91 100

126 48.9 17.2 51.6

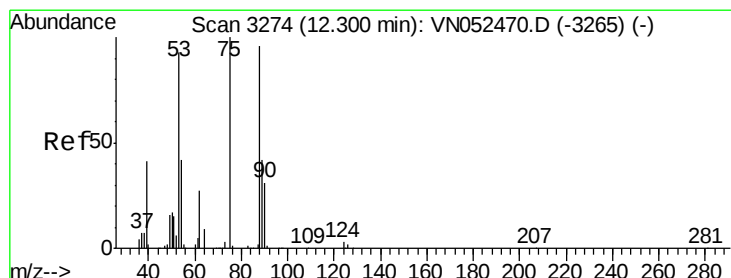
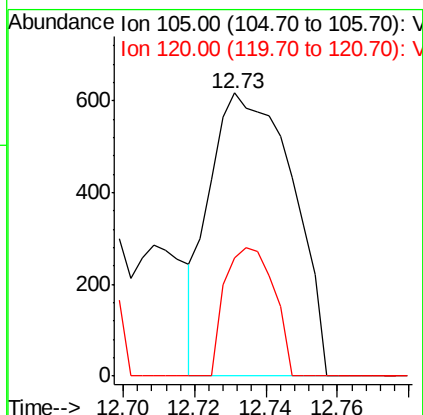
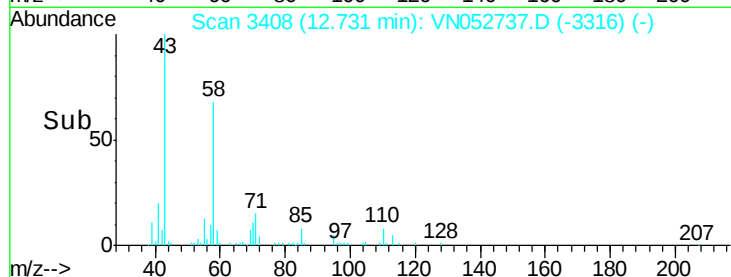
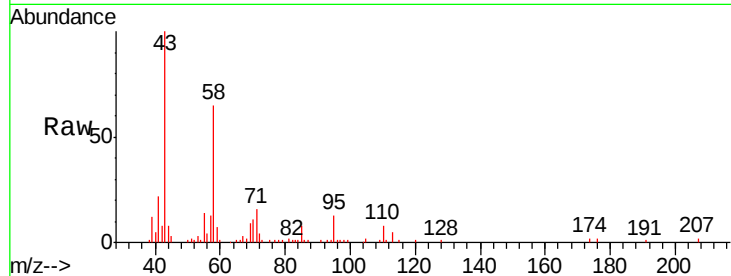




#80
 1,3,5-Trimethylbenzene
 Concen: 2.688 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN052737.D
 Acq: 7 Dec 2018 19:51

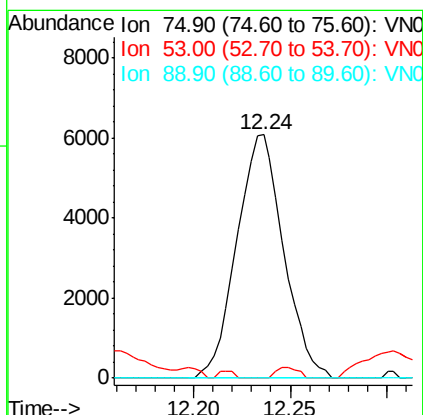
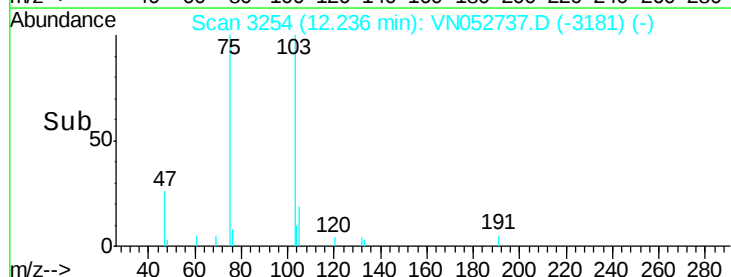
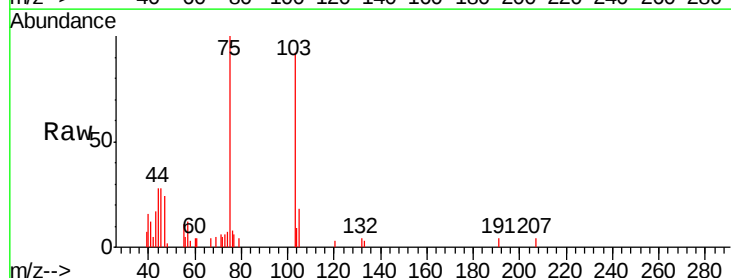
Instrument :
 MSVOA_N
 ClientSampleId :
 EFF-WW

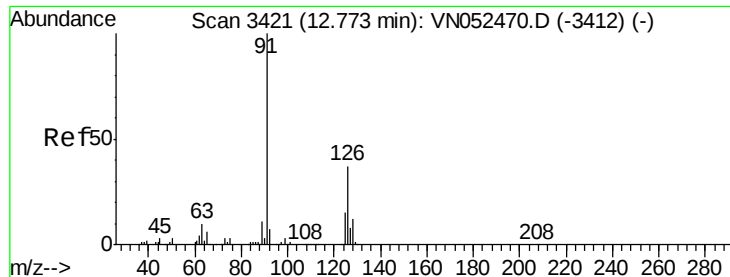
Tgt Ion: 105 Resp: 991
 Ion Ratio Lower Upper
 105 100
 120 26.7 24.3 73.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 375.825 ug/l
 RT: 12.24 min Scan# 3254
 Delta R.T. -0.06 min
 Lab File: VN052737.D
 Acq: 7 Dec 2018 19:51

Tgt Ion: 75 Resp: 10225
 Ion Ratio Lower Upper
 75 100
 53 2.0 77.4 116.0#
 89 0.0 35.4 53.2#

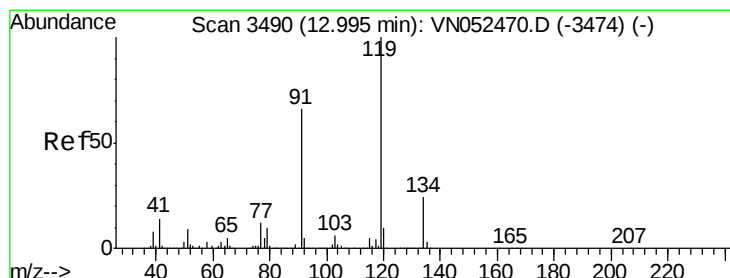
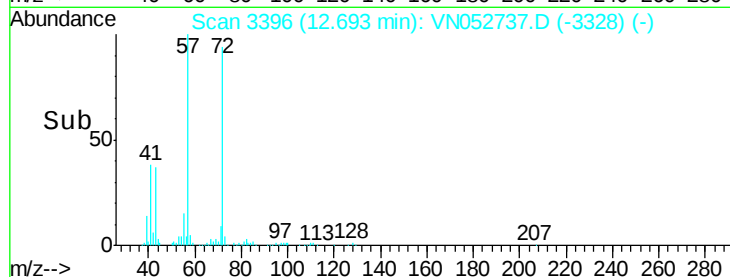
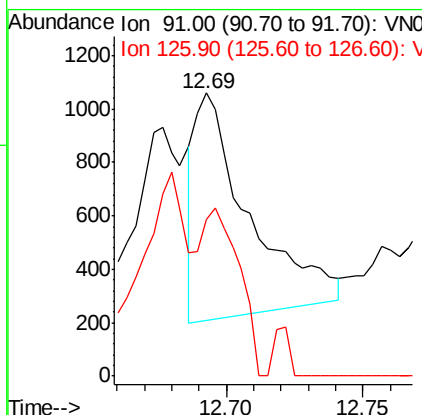
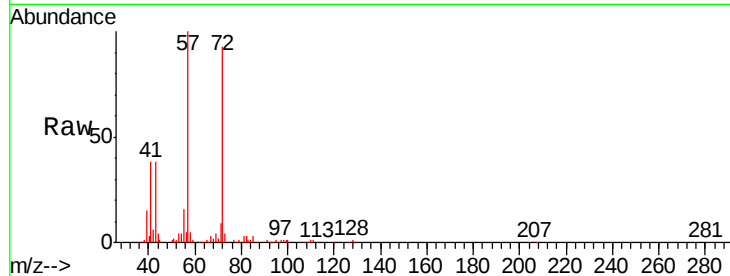




#82
4-Chlorotoluene
Concen: 3.668 ug/l
RT: 12.69 min Scan# 3396
Delta R.T. -0.08 min
Lab File: VN052737.D
Acq: 7 Dec 2018 19:51

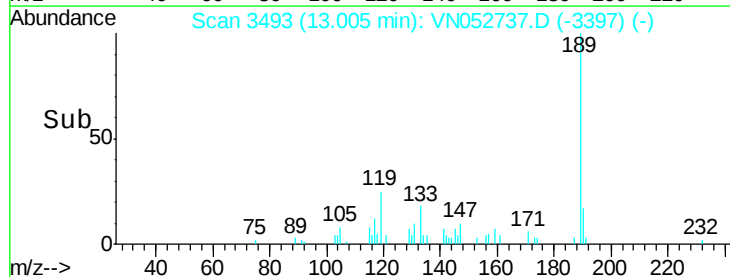
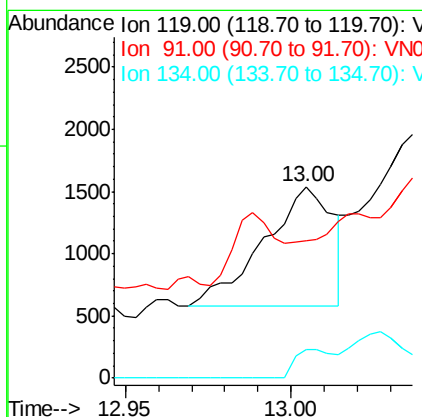
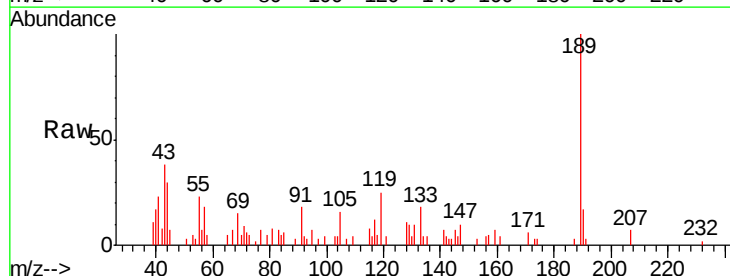
Instrument :
MSVOA_N
ClientSampled :
EFF-WW

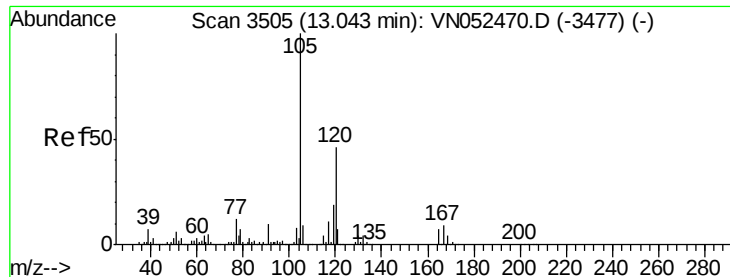
Tgt Ion: 91 Resp: 1156
Ion Ratio Lower Upper
91 100
126 48.9 16.9 50.6



#83
tert-Butylbenzene
Concen: 4.269 ug/l
RT: 13.00 min Scan# 3493
Delta R.T. 0.01 min
Lab File: VN052737.D
Acq: 7 Dec 2018 19:51

Tgt Ion: 119 Resp: 1403
Ion Ratio Lower Upper
119 100
91 37.3 32.3 96.9
134 14.0 13.0 38.9

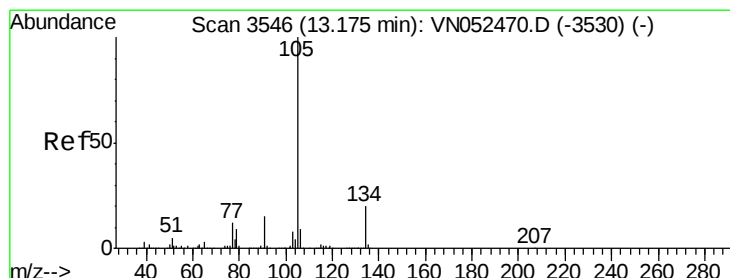
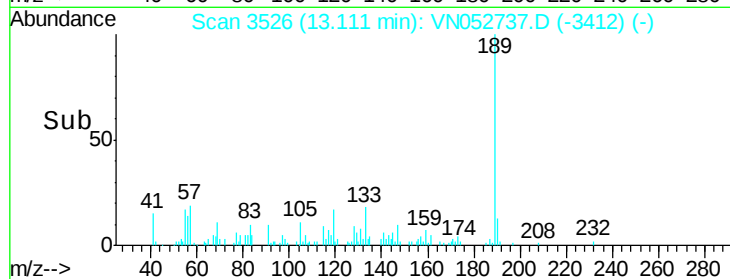
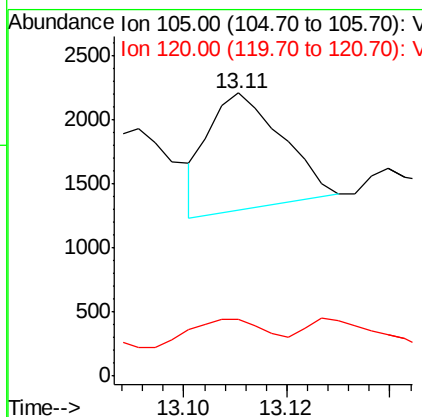
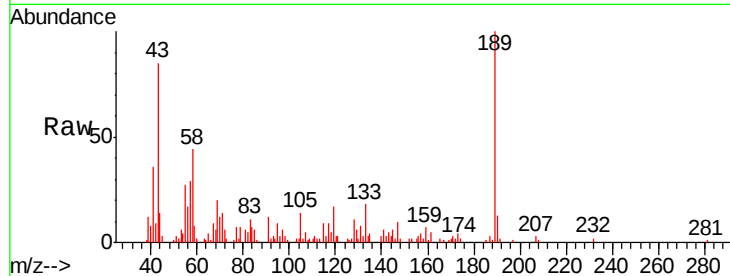




#84
 1,2,4-Trimethylbenzene
 Concen: 2.458 ug/l
 RT: 13.11 min Scan# 3526
 Delta R.T. 0.07 min
 Lab File: VN052737.D
 Acq: 7 Dec 2018 19:51

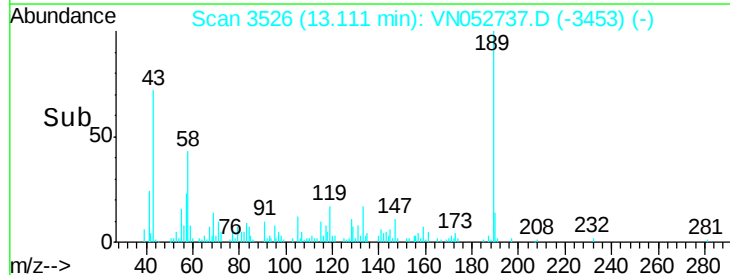
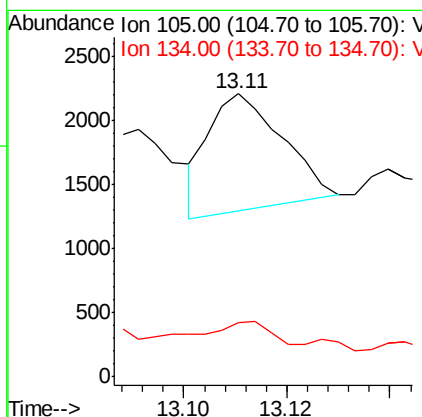
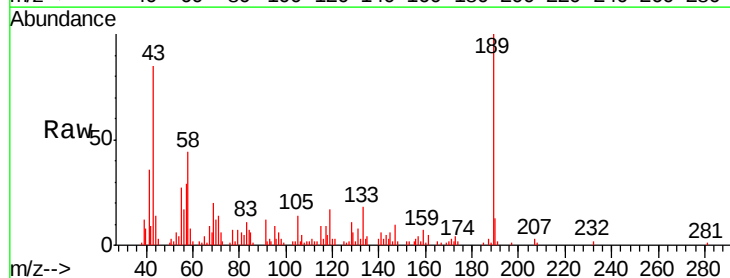
Instrument :
 MSVOA_N
 ClientSampleId :
 EFF-WW

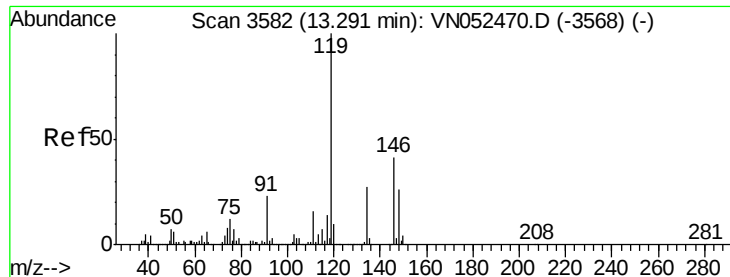
Tgt Ion:105 Resp: 908
 Ion Ratio Lower Upper
 105 100
 120 41.2 22.8 68.4



#85
 sec-Butylbenzene
 Concen: 2.028 ug/l
 RT: 13.11 min Scan# 3526
 Delta R.T. -0.06 min
 Lab File: VN052737.D
 Acq: 7 Dec 2018 19:51

Tgt Ion:105 Resp: 908
 Ion Ratio Lower Upper
 105 100
 134 27.8 9.9 29.7

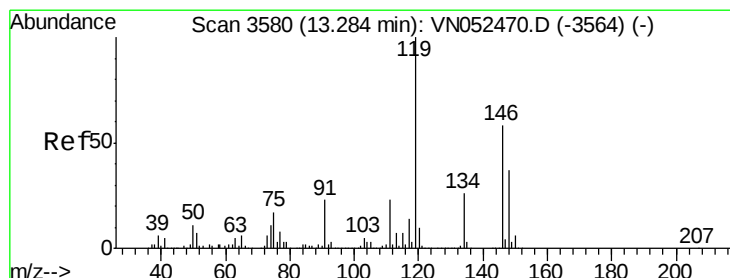
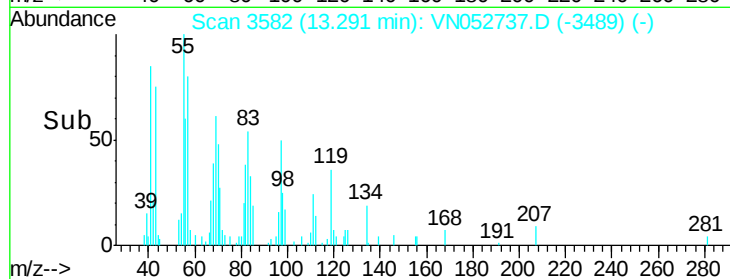
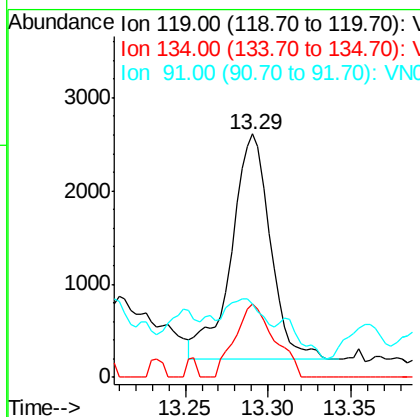
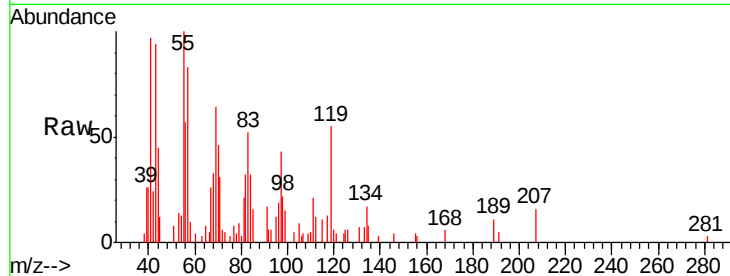




#86
 p-Isopropyltoluene
 Concen: 10.386 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN052737.D
 Acq: 7 Dec 2018 19:51

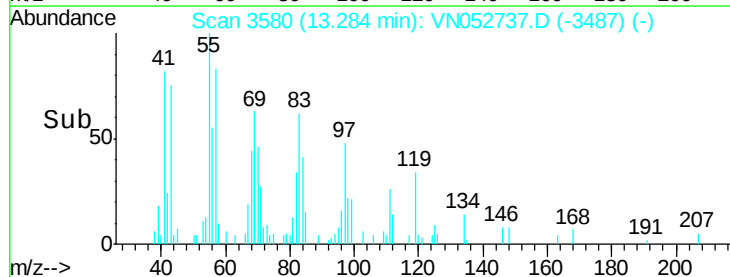
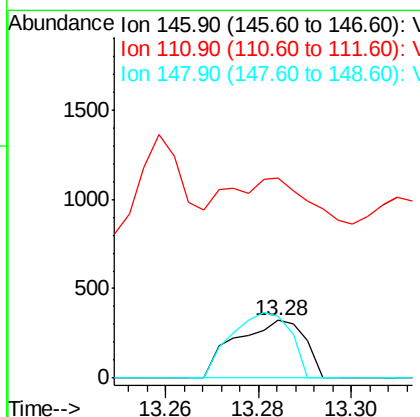
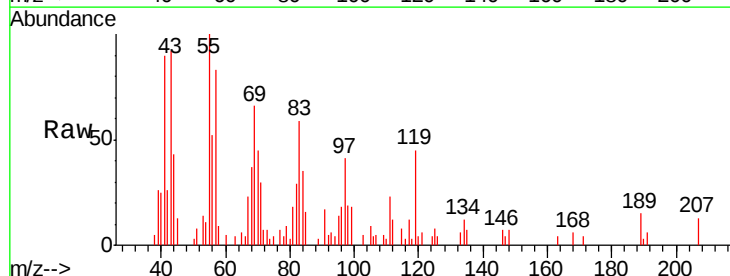
Instrument :
 MSVOA_N
 ClientSampled :
 EFF-WW

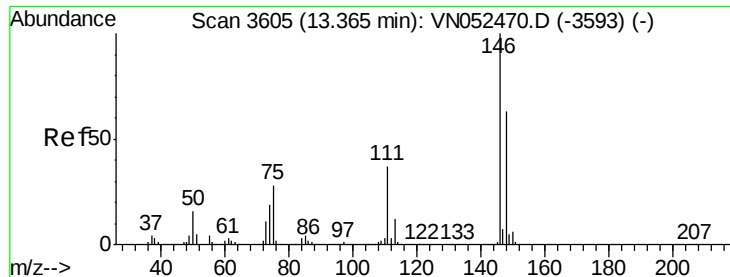
Tgt Ion:119 Resp: 3960
 Ion Ratio Lower Upper
 119 100
 134 32.8 13.4 40.2
 91 0.0 11.4 34.2#



#87
 1,3-Dichlorobenzene
 Concen: 1.686 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052737.D
 Acq: 7 Dec 2018 19:51

Tgt Ion:146 Resp: 337
 Ion Ratio Lower Upper
 146 100
 111 0.0 19.4 58.4#
 148 97.9 31.8 95.4#





#88

1,4-Dichlorobenzene

Concen: 2.220 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN052737.D

Acq: 7 Dec 2018 19:51

Instrument :

MSVOA_N

ClientSampleId :

EFF-WW

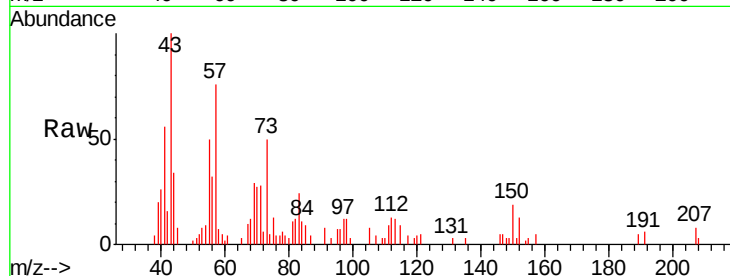
Tgt Ion:146 Resp: 437

Ion Ratio Lower Upper

146 100

111 0.0 18.6 56.0#

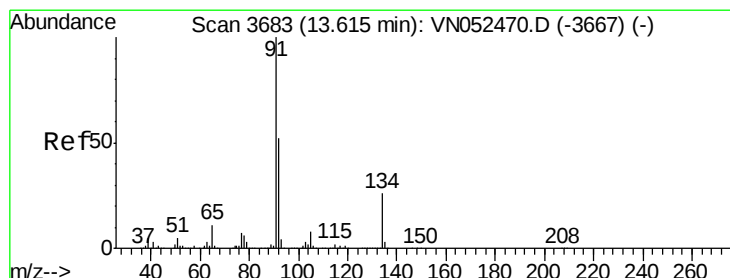
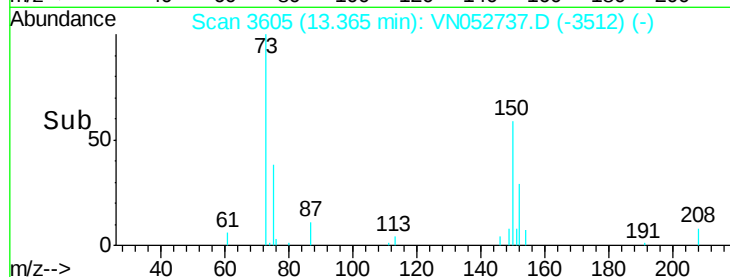
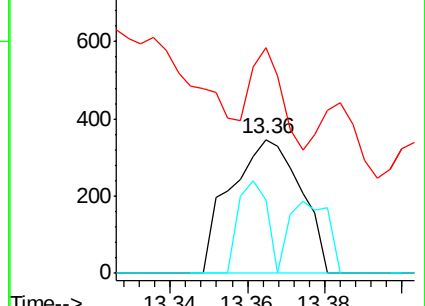
148 27.7 31.9 95.9#



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 230.533 ug/l

RT: 13.46 min Scan# 3635

Delta R.T. -0.15 min

Lab File: VN052737.D

Acq: 7 Dec 2018 19:51

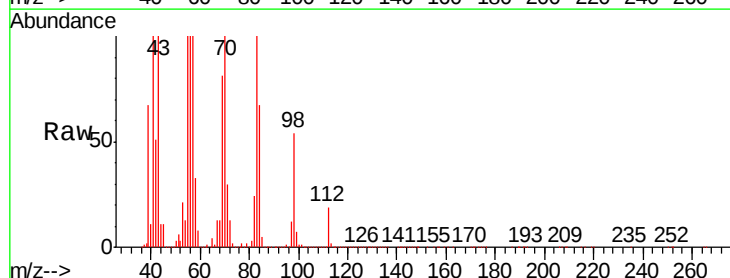
Tgt Ion: 91 Resp: 73102

Ion Ratio Lower Upper

91 100

92 12.7 26.1 78.3#

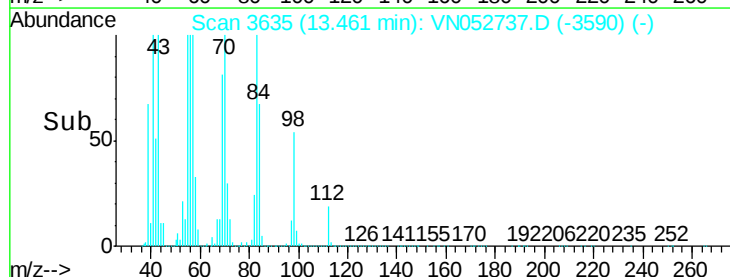
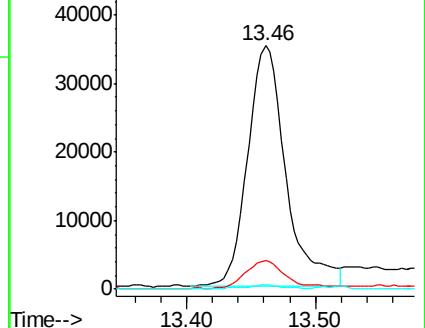
134 1.3 13.0 38.9#

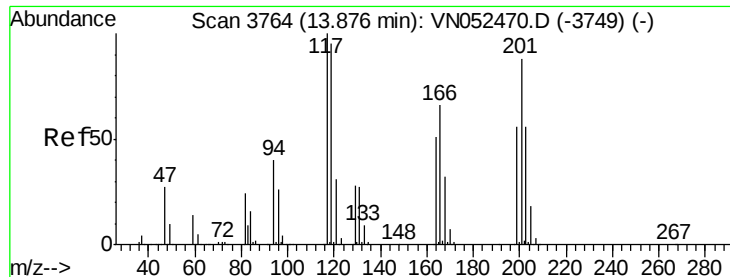


Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 3.888 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN052737.D

Acq: 7 Dec 2018 19:51

Instrument :

MSVOA_N

ClientSampled :

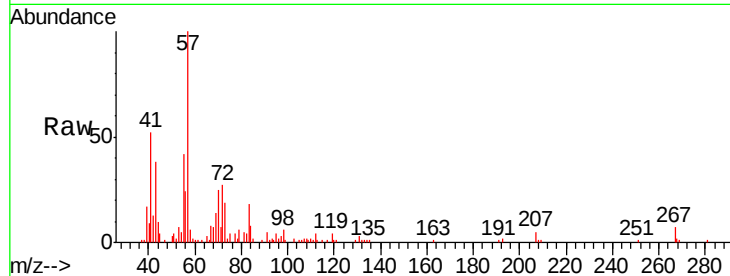
EFF-WW

Tgt Ion:117 Resp: 251

Ion Ratio Lower Upper

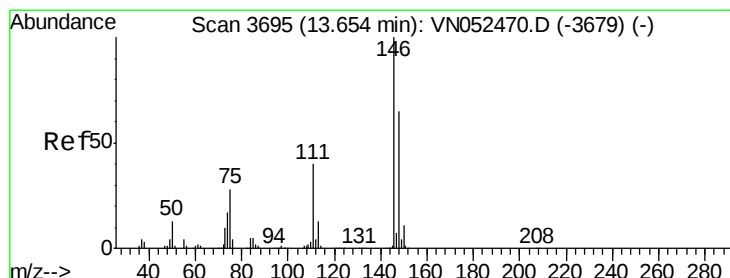
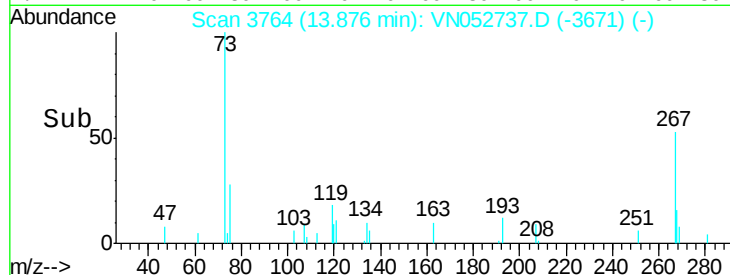
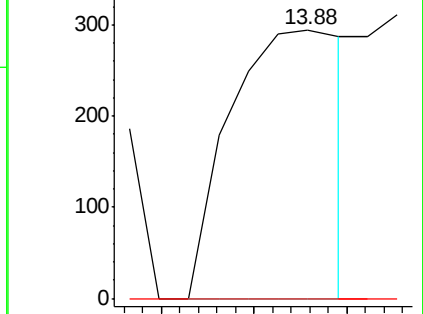
117 100

201 0.0 43.6 130.9#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 3.289 ug/l

RT: 13.64 min Scan# 3692

Delta R.T. -0.01 min

Lab File: VN052737.D

Acq: 7 Dec 2018 19:51

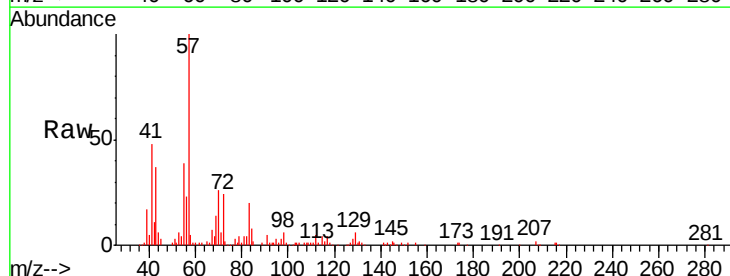
Tgt Ion:146 Resp: 628

Ion Ratio Lower Upper

146 100

111 0.0 20.0 60.0#

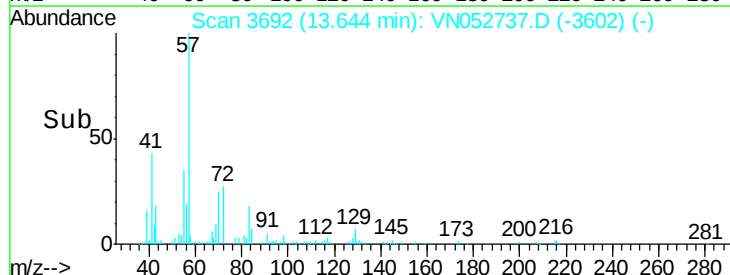
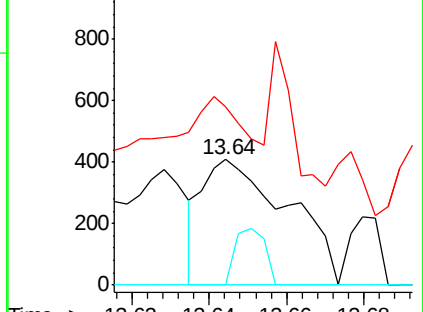
148 15.4 32.0 96.2#

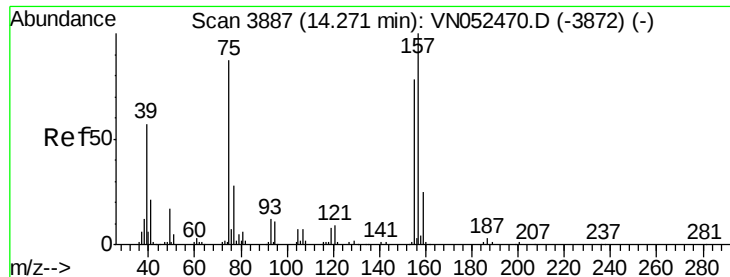


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

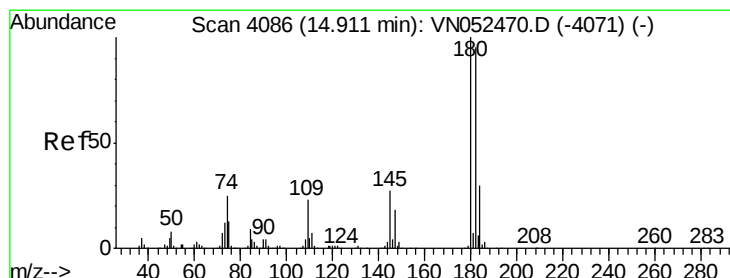
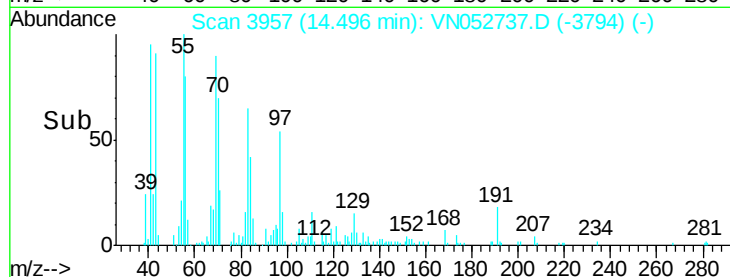
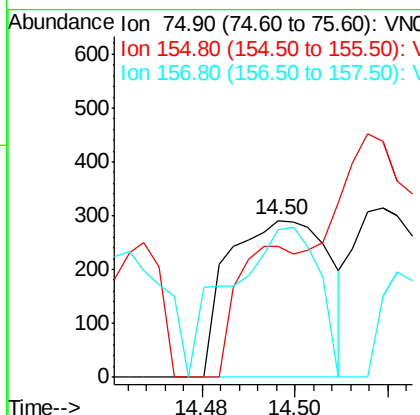
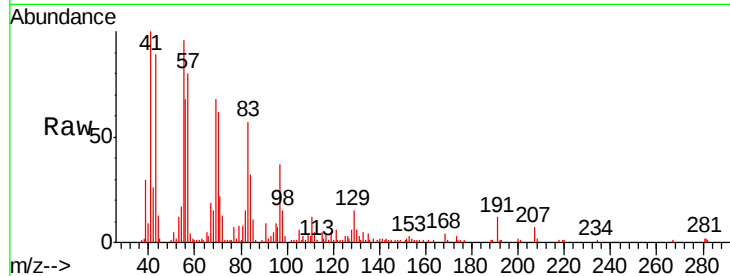




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 29.256 ug/l
 RT: 14.50 min Scan# 3957
 Delta R.T. 0.23 min
 Lab File: VN052737.D
 Acq: 7 Dec 2018 19:51

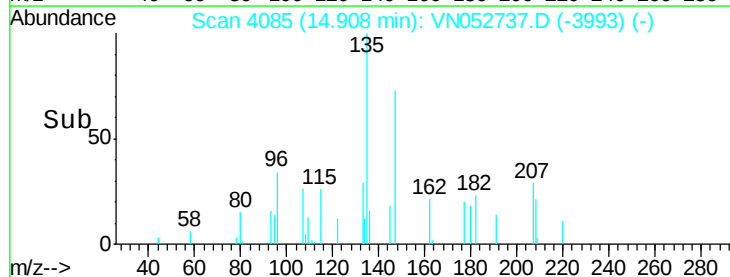
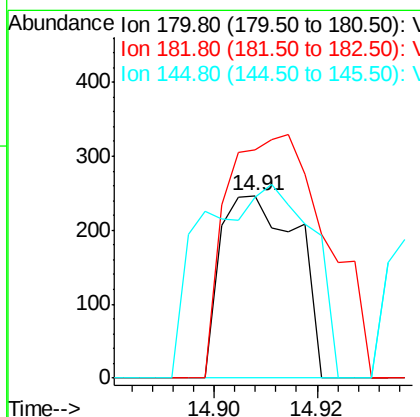
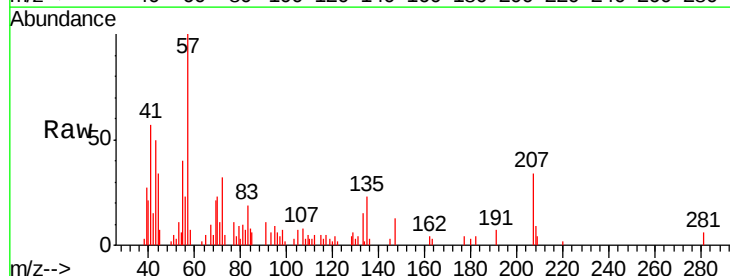
Instrument :
 MSVOA_N
 ClientSampled :
 EFF-WW

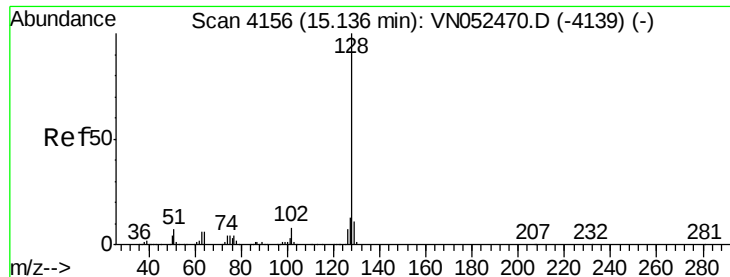
Tgt Ion: 75 Resp: 440
 Ion Ratio Lower Upper
 75 100
 155 48.2 45.3 135.9
 157 83.4 58.1 174.2



#93
 1,2,4-Trichlorobenzene
 Concen: 5.102 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN052737.D
 Acq: 7 Dec 2018 19:51

Tgt Ion: 180 Resp: 252
 Ion Ratio Lower Upper
 180 100
 182 175.0 47.8 143.4#
 145 152.4 14.1 42.3#





#95

Naphthalene

Concen: 8.282 ug/l

RT: 15.14 min Scan# 4157

Delta R.T. 0.00 min

Lab File: VN052737.D

Acq: 7 Dec 2018 19:51

Instrument :

MSVOA_N

ClientSampleId :

EFF-WW

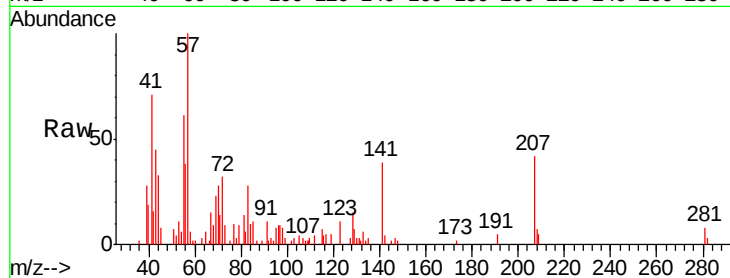
Tgt Ion:128 Resp: 1156

Ion Ratio Lower Upper

128 100

127 32.2 10.2 15.2#

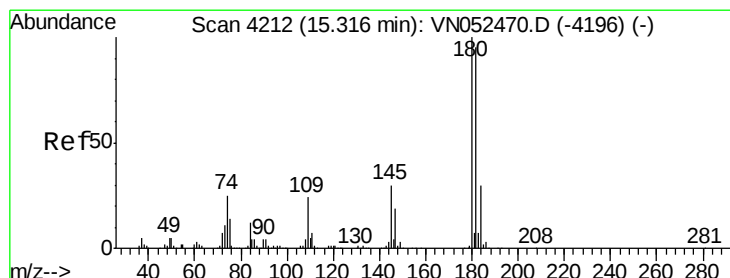
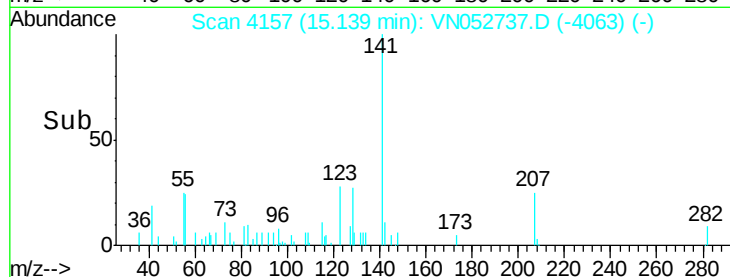
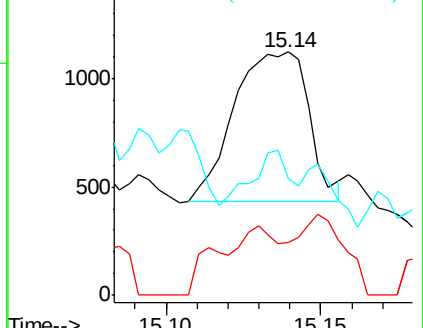
129 0.0 8.7 13.1#



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: 4.467 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN052737.D

Acq: 7 Dec 2018 19:51

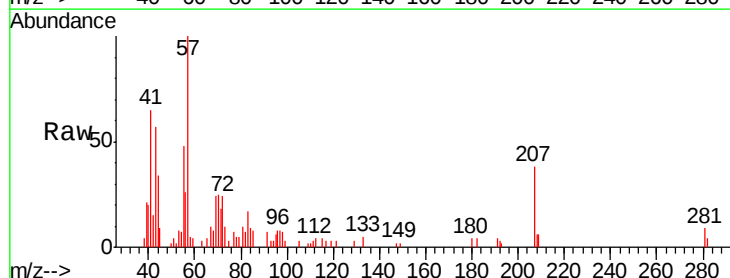
Tgt Ion:180 Resp: 177

Ion Ratio Lower Upper

180 100

182 374.0 47.8 143.3#

145 37.9 15.2 45.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

