

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122018\
 Data File : VN053076.D
 Acq On : 21 Dec 2018 00:49
 Operator : MD\SY
 Sample : J6519-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 37 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 T11-MW-5-9.0-122018

Quant Time: Dec 21 02:39:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1294581	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1962366	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1757400	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	768829	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	629022	47.88	ug/l	0.00
Spiked Amount			Recovery	=	95.76%	
35) Dibromofluoromethane	7.59	113	544021	60.69	ug/l	0.00
Spiked Amount			Recovery	=	121.38%	
50) Toluene-d8	10.09	98	2403444	49.94	ug/l	0.00
Spiked Amount			Recovery	=	99.88%	
62) 4-Bromofluorobenzene	12.40	95	821511	48.63	ug/l	0.00
Spiked Amount			Recovery	=	97.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.78	59	8418	10.501	ug/l #	74
13) Acrolein	3.61	56	171	0.235	ug/l #	14
16) Acetone	3.82	43	71696	27.834	ug/l	99
18) Methyl Acetate	4.34	43	2708	1.219	ug/l #	61
19) Methyl tert-butyl Ether	5.05	73	376654	11.407	ug/l #	84
25) 2-Butanone	6.85	43	2814	0.651	ug/l #	49
31) Cyclohexane	7.66	56	133252	4.913	ug/l #	82
36) 1,1-Dichloropropene	7.66	75	82434	4.377	ug/l #	51
38) Carbon Tetrachloride	7.67	117	112035	6.489	ug/l #	16
39) Methylcyclohexane	9.08	83	118846	5.194	ug/l	98
40) Benzene	8.05	78	22437	0.400	ug/l	92
41) Methacrylonitrile	7.22	41	1587	0.261	ug/l #	17
43) Isopropyl Acetate	8.34	43	232291	10.593	ug/l #	53
48) Methyl methacrylate	9.27	41	9575	0.938	ug/l #	51
51) 4-Methyl-2-Pentanone	10.09	43	9682	0.951	ug/l #	1
52) Toluene	10.16	92	21212	0.611	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	8932	0.737	ug/l #	18
67) Ethyl Benzene	11.51	91	49030	0.732	ug/l	98
68) m/p-Xylenes	11.62	106	21534	0.846	ug/l	100
69) o-Xylene	11.95	106	12469	0.510	ug/l	92
71) Bromoform	12.40	173	4704	0.481	ug/l #	1
73) Isopropylbenzene	12.25	105	1185777	19.712	ug/l	100
76) 1,2,3-Trichloropropane	12.59	75	23245	1.796	ug/l #	100
78) n-propylbenzene	12.59	91	4268443	62.304	ug/l	100
79) 2-Chlorotoluene	12.59	91	4268443	100.515	ug/l #	40
80) 1,3,5-Trimethylbenzene	12.89	105	176147	3.593	ug/l	73
81) trans-1,4-Dichloro-2-buten	12.25	75	12342	3.074	ug/l #	60
82) 4-Chlorotoluene	12.59	91	4268443	102.681	ug/l #	40
83) tert-Butylbenzene	12.99	119	16937	0.391	ug/l	93
84) 1,2,4-Trimethylbenzene	13.04	105	24873	0.505	ug/l	96
85) sec-Butylbenzene	13.17	105	214907	3.664	ug/l #	72
86) p-Isopropyltoluene	13.44	119	82441	1.627	ug/l #	78
89) n-Butylbenzene	13.62	91	295497	6.777	ug/l #	75
90) Hexachloroethane	13.89	117	258256	33.206	ug/l #	4

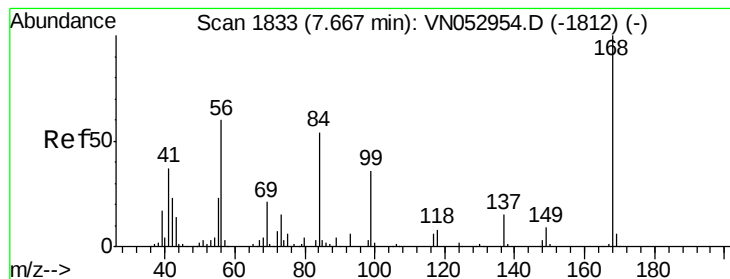
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Quant Title : SW846 8260
QLast Update : Tue Dec 18 13:03:37 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) 1,2-Dichlorobenzene	13.65	146	7282	0.280	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.21	75	13865	6.795	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	1400	0.696	ug/l #	71
94) Hexachlorobutadiene	15.02	225	391	Below Cal	#	24
95) Naphthalene	15.13	128	8233	1.413	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.31	180	1397	0.619	ug/l #	1

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053076.D

Acq: 21 Dec 2018 00:49

Instrument :

MSVOA_N

ClientSampleId :

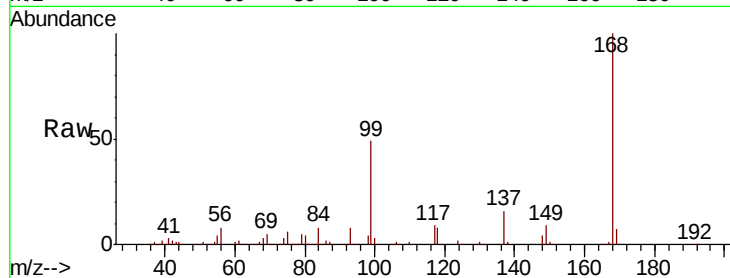
T11-MW-5-9.0-122018

Tot Ion:168 Resp: 1294581

Ion Ratio Lower Upper

168 100

99 49.4 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN053076.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN053076.D (-1740) (-)

7.67

600000

500000

400000

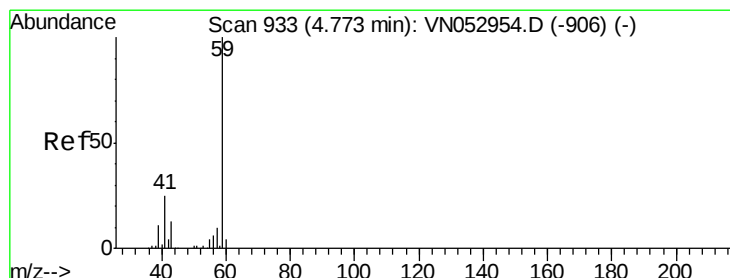
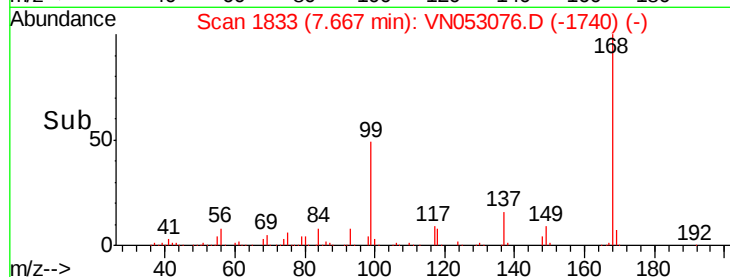
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 10.501 ug/l

RT: 4.78 min Scan# 935

Delta R.T. 0.01 min

Lab File: VN053076.D

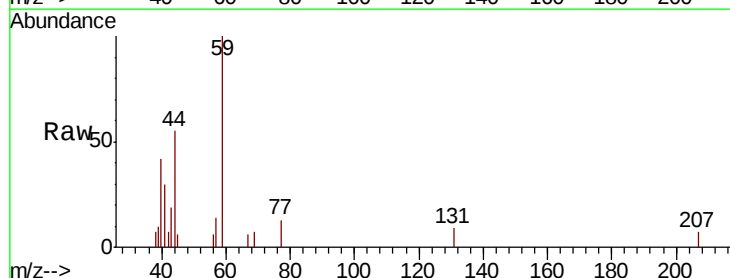
Acq: 21 Dec 2018 00:49

Tgt Ion: 59 Resp: 8418

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VN053076.D (-840) (-)

Ion 57.00 (56.70 to 57.70): VN053076.D (-840) (-)

4.78

3000

2500

2000

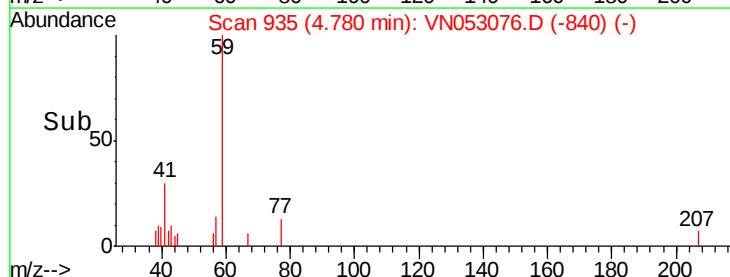
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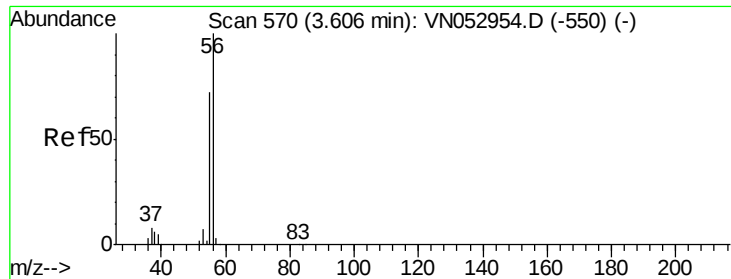
1000

500

0

Time-->





#13

Acrolein

Concen: 0.235 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053076.D

Acq: 21 Dec 2018 00:49

Instrument :

MSVOA_N

ClientSampleId :

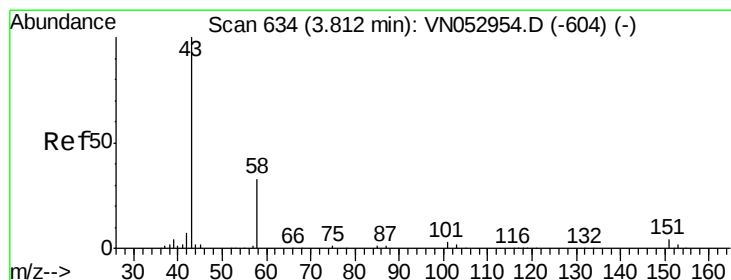
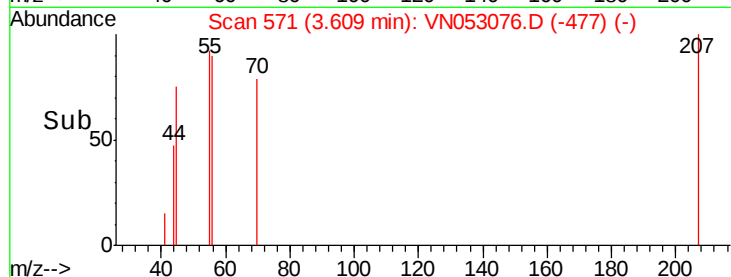
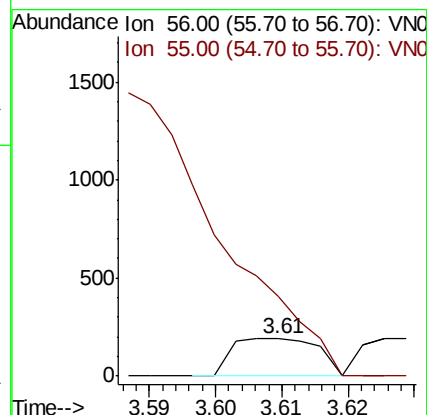
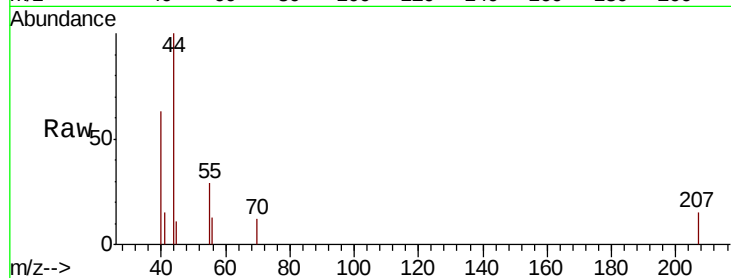
T11-MW-5-9.0-122018

Tot Ion: 56 Resp: 171

Ion Ratio Lower Upper

56 100

55 0.0 56.6 85.0#



#16

Acetone

Concen: 27.834 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN053076.D

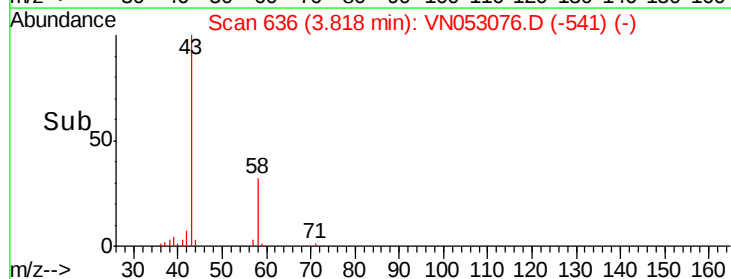
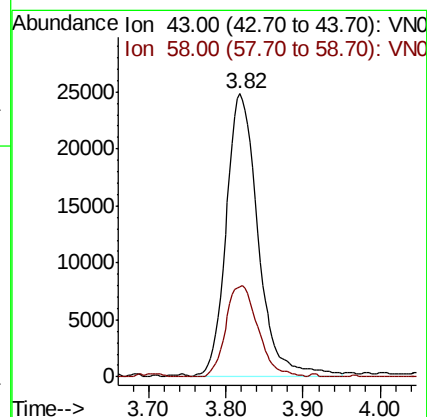
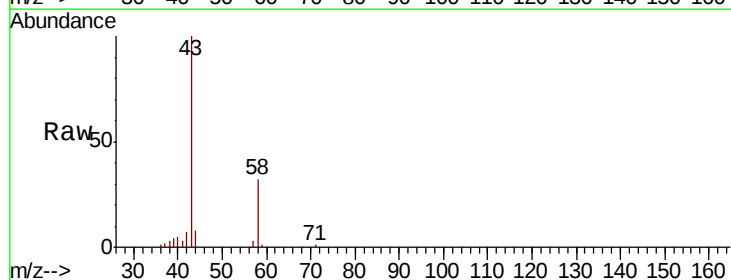
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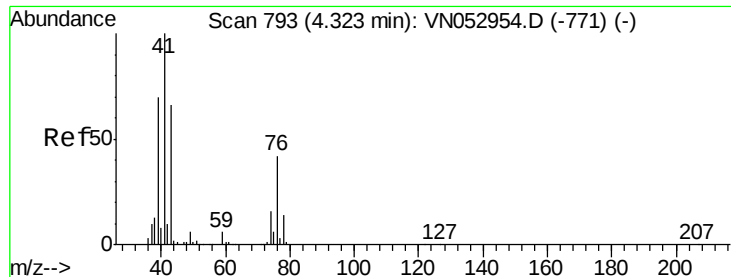
Tgt Ion: 43 Resp: 71696

Ion Ratio Lower Upper

43 100

58 32.0 25.4 38.0

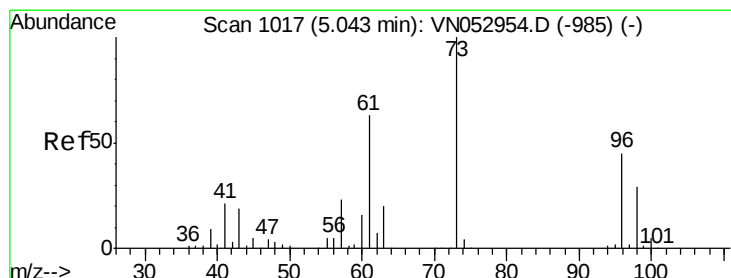
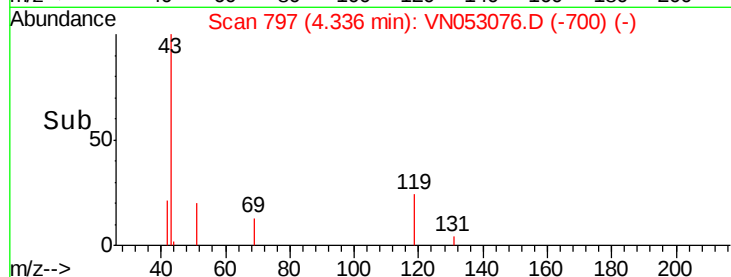
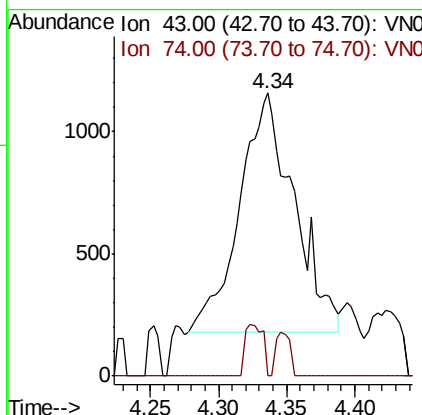
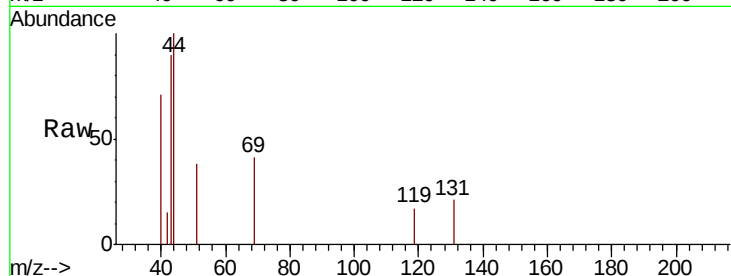




#18
Methyl Acetate
Concen: 1.219 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN053076.D
Acq: 21 Dec 2018 00:49

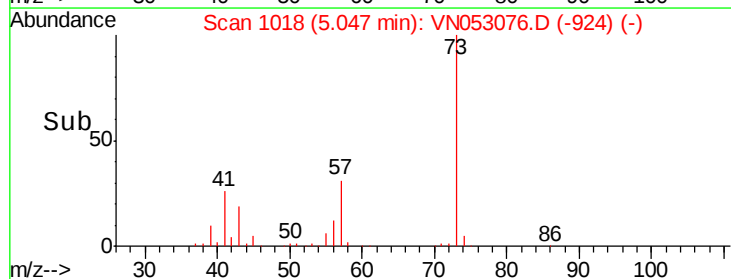
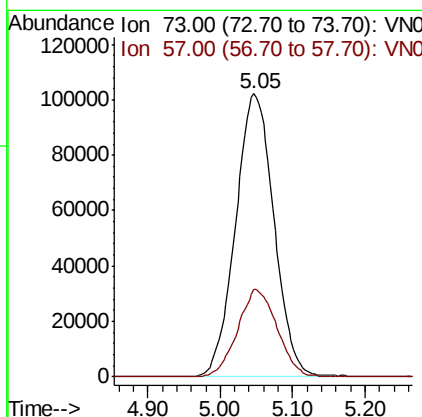
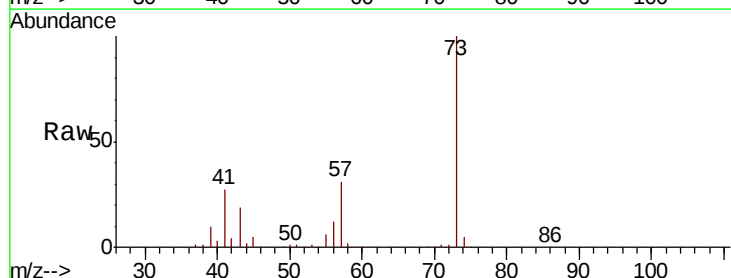
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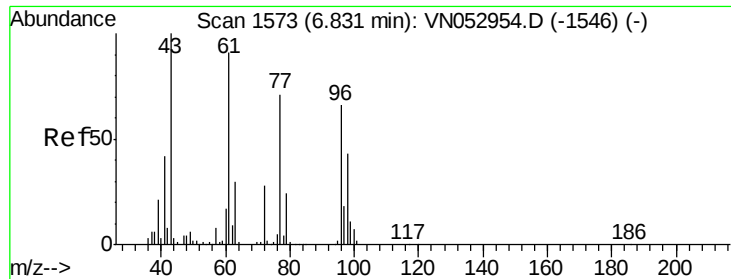
Tot Ion: 43 Resp: 2708
Ion Ratio Lower Upper
43 100
74 4.7 19.2 28.8#



#19
Methyl tert-butyl Ether
Concen: 11.407 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053076.D
Acq: 21 Dec 2018 00:49

Tgt Ion: 73 Resp: 376654
Ion Ratio Lower Upper
73 100
57 30.8 18.4 27.6#

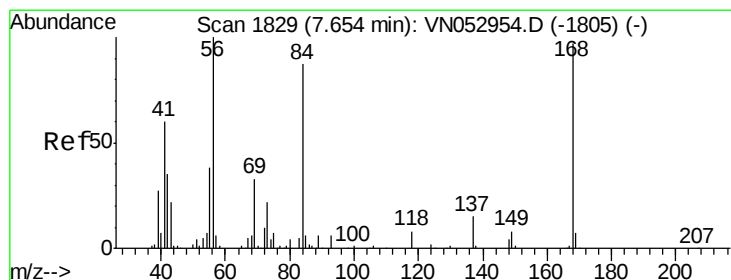
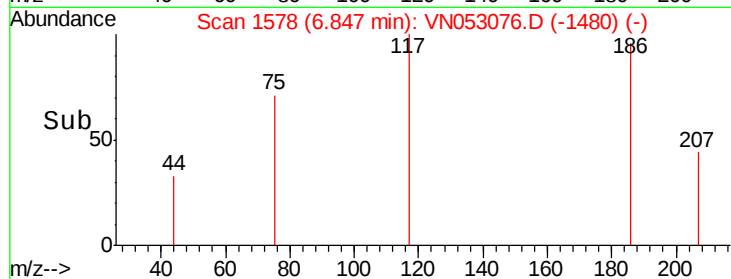
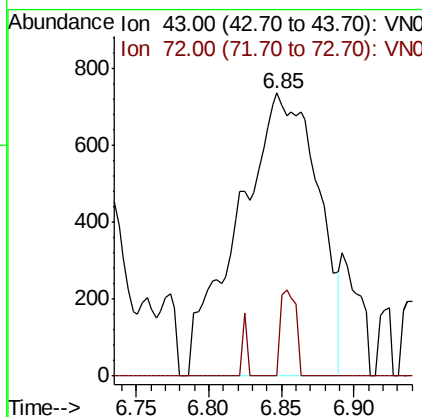
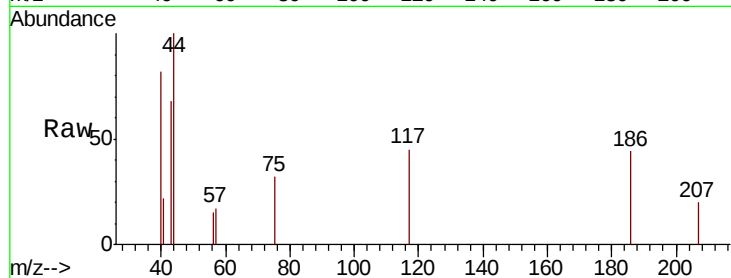




#25
2-Butanone
Concen: 0.651 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.02 min
Lab File: VN053076.D
Acq: 21 Dec 2018 00:49

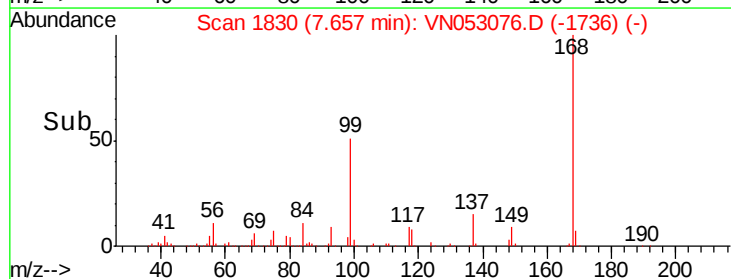
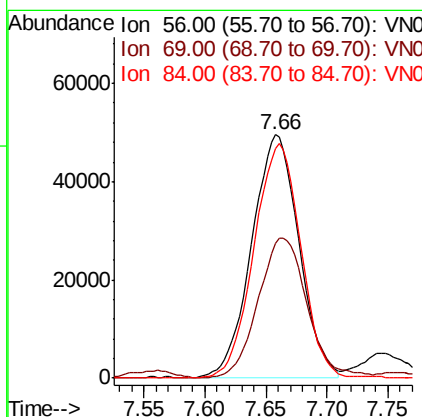
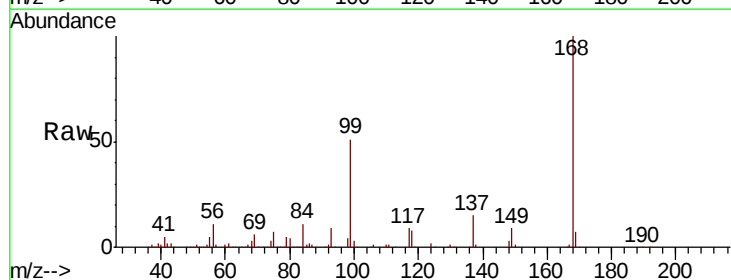
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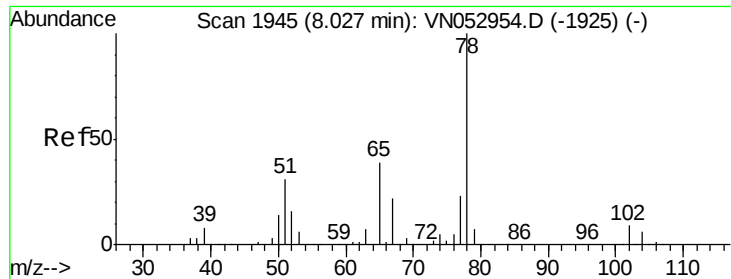
Tot Ion: 43 Resp: 2814
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.6#



#31
Cyclohexane
Concen: 4.913 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN053076.D
Acq: 21 Dec 2018 00:49

Tgt Ion: 56 Resp: 133252
Ion Ratio Lower Upper
56 100
69 55.0 26.6 39.8#
84 94.3 68.4 102.6

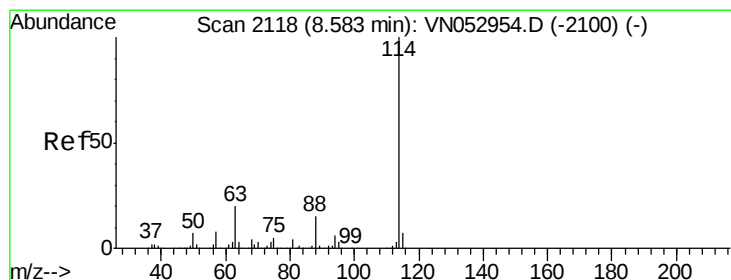
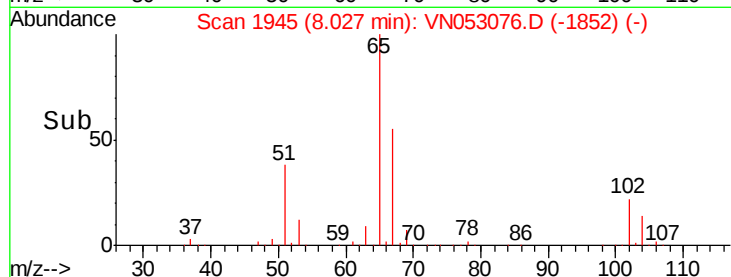
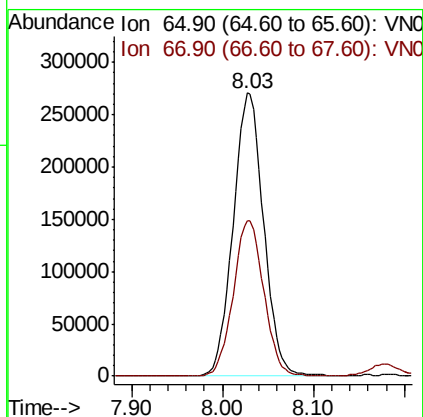
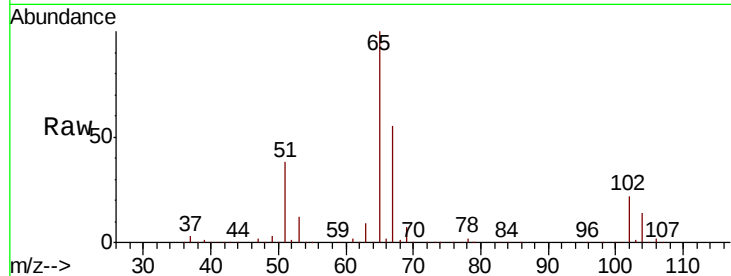




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053076.D
 Acq: 21 Dec 2018 00:49

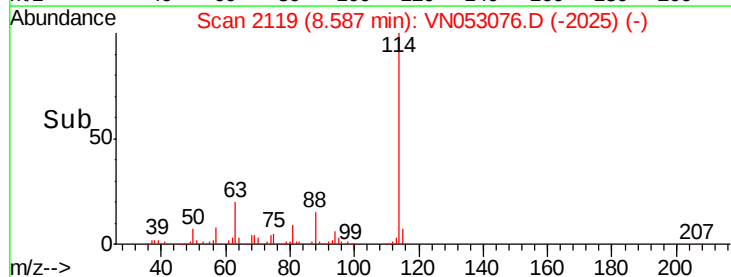
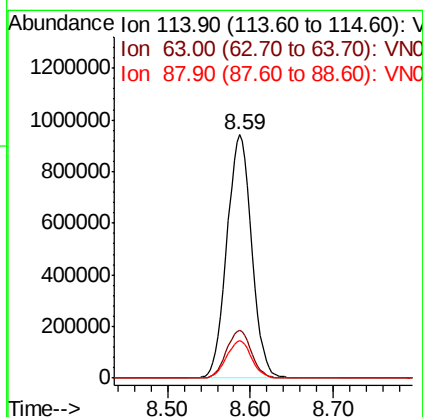
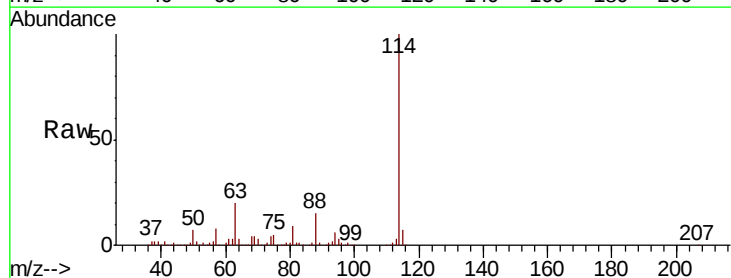
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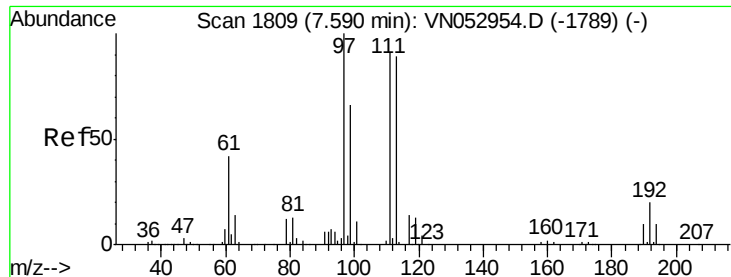
Tot Ion: 65 Resp: 629022
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053076.D
 Acq: 21 Dec 2018 00:49

Tgt Ion: 114 Resp: 1962366
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.8
 88 15.4 0.0 31.0

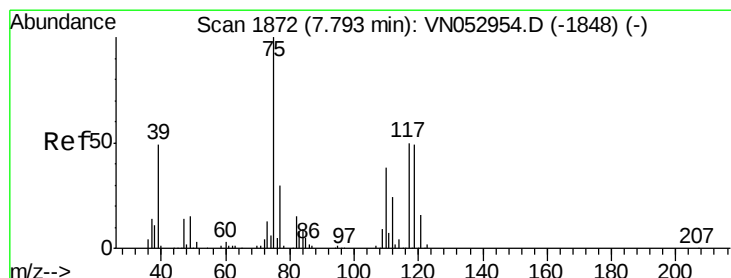
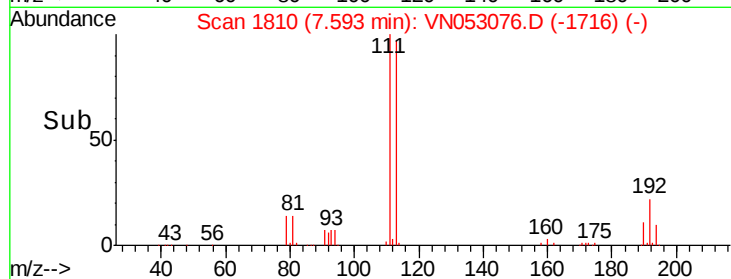
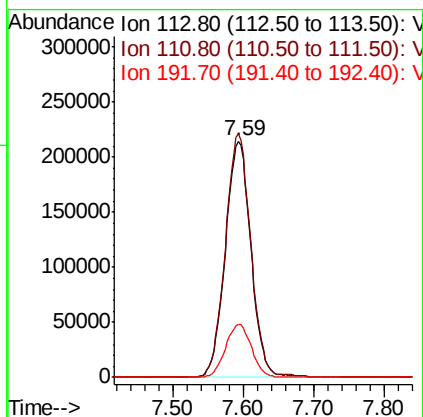
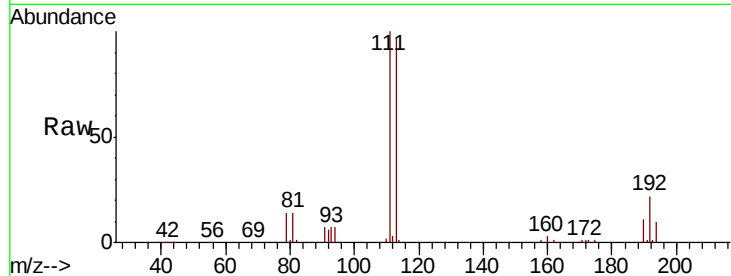




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053076.D
 Acq: 21 Dec 2018 00:49

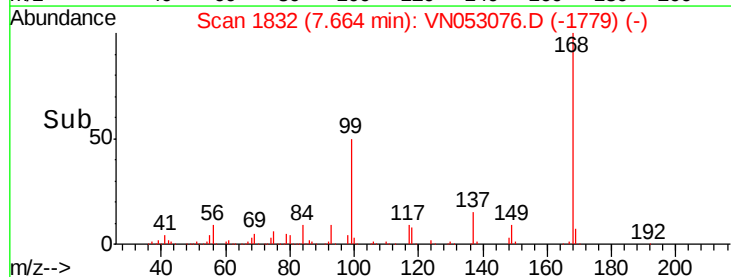
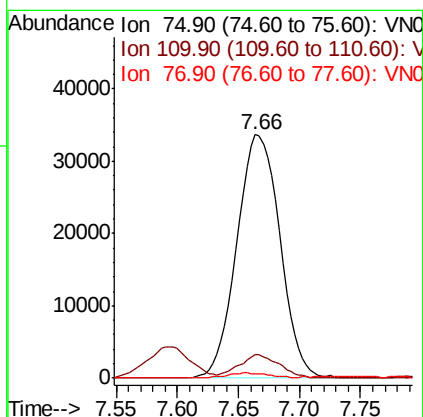
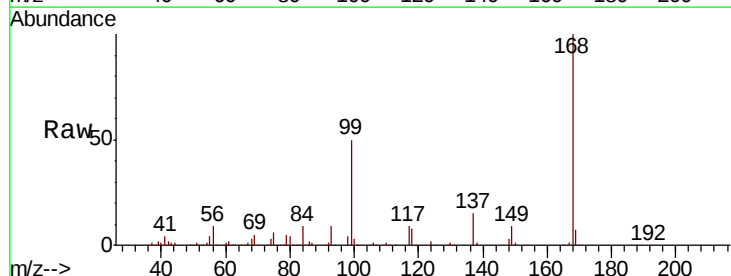
Instrument :
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 T11-MW-5-9.0-122018

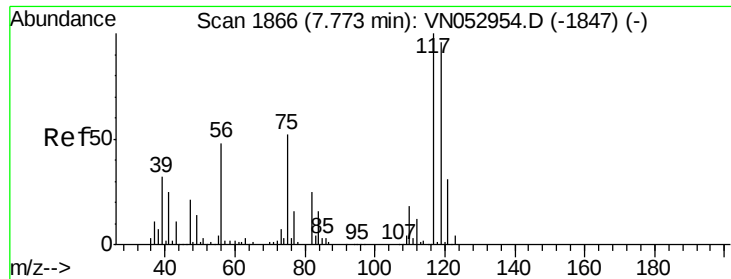
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	83.0	124.4
192	22.8	17.5	26.3



#36
 1,1-Dichloropropene
 Concen: 4.377 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN053076.D
 Acq: 21 Dec 2018 00:49

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.0	18.2	54.6#
77	2.1	24.9	37.3#





#38

Carbon Tetrachloride

Concen: 6.489 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN053076.D

Acq: 21 Dec 2018 00:49

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-5-9.0-122018

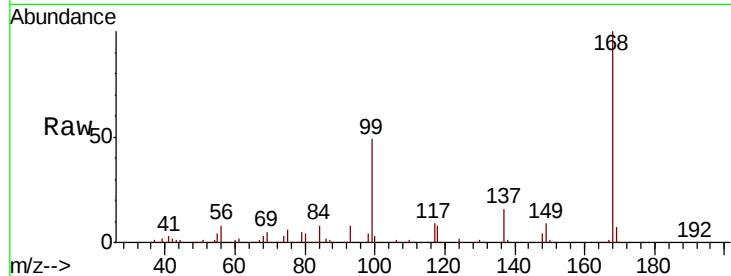
Tot Ion:117 Resp: 112035

Ion Ratio Lower Upper

117 100

119 4.8 77.1 115.7#

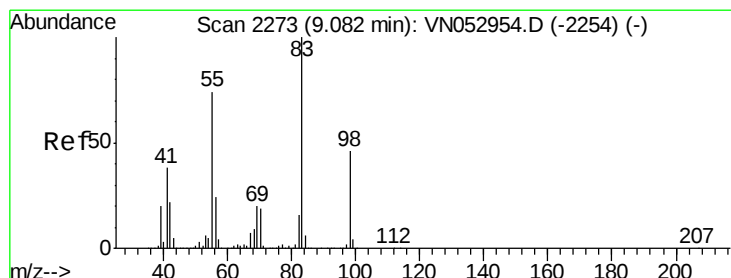
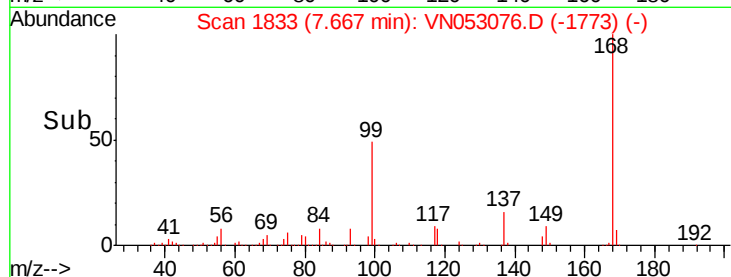
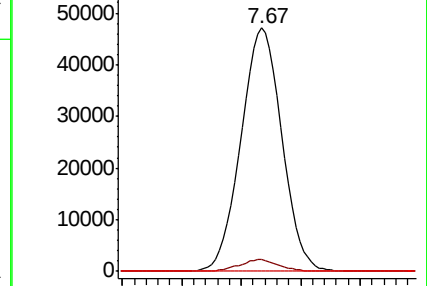
121 0.0 24.9 37.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 5.194 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN053076.D

Acq: 21 Dec 2018 00:49

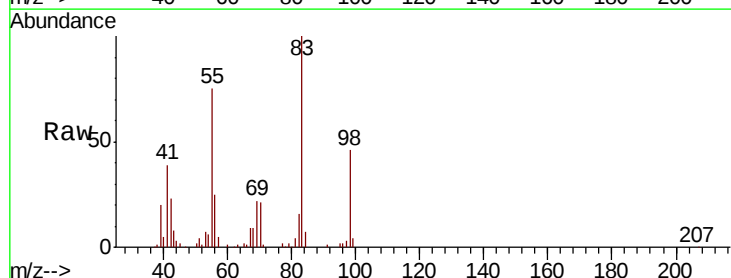
Tgt Ion: 83 Resp: 118846

Ion Ratio Lower Upper

83 100

55 74.1 61.3 91.9

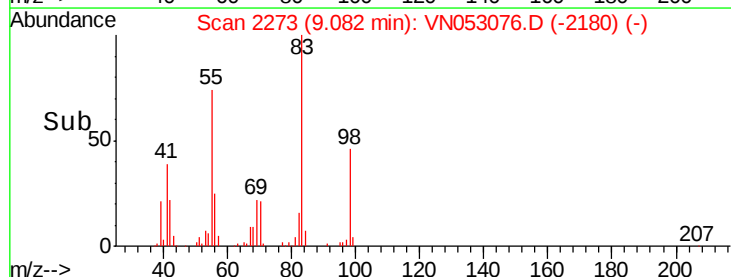
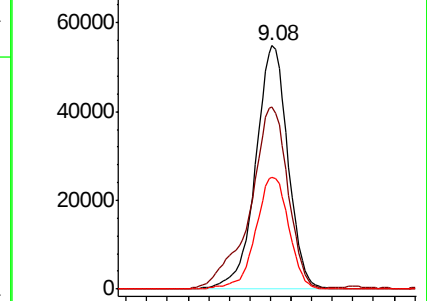
98 46.1 37.0 55.4

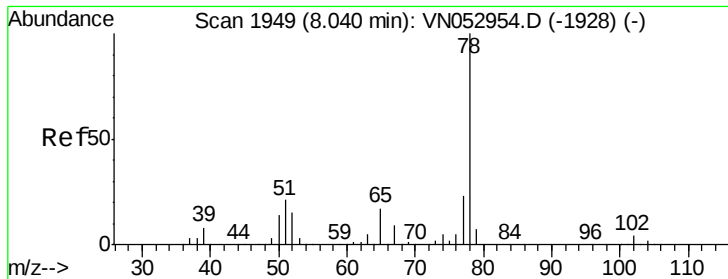


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 98.00 (97.70 to 98.70): V





#40

Benzene

Concen: 0.400 ug/l

RT: 8.05 min Scan# 1951

Delta R.T. 0.01 min

Lab File: VN053076.D

Acq: 21 Dec 2018 00:49

Instrument :

MSVOA_N

ClientSampleId :

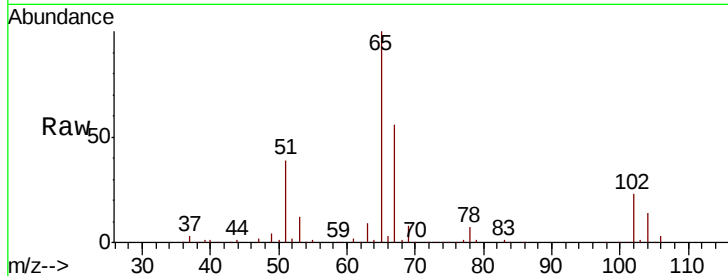
T11-MW-5-9.0-122018

Tot Ion: 78 Resp: 22437

Ion Ratio Lower Upper

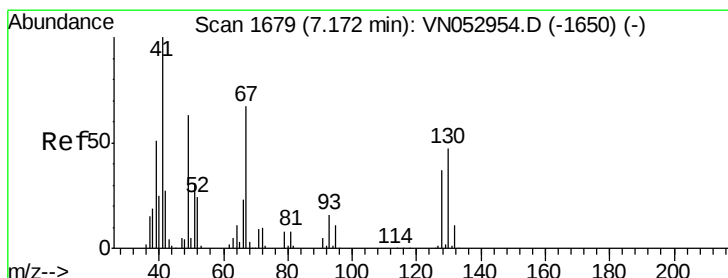
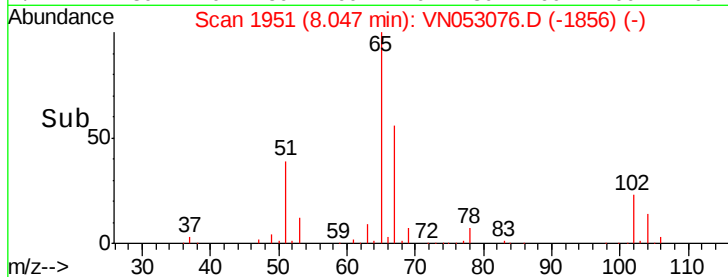
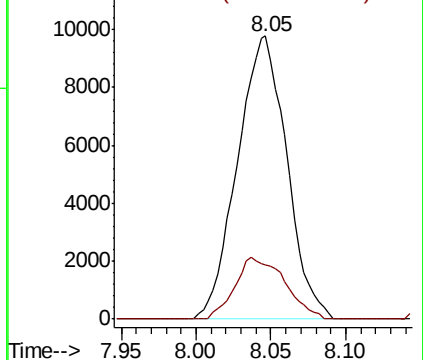
78 100

77 19.3 18.5 27.7



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#41

Methacrylonitrile

Concen: 0.261 ug/l

RT: 7.22 min Scan# 1694

Delta R.T. 0.05 min

Lab File: VN053076.D

Acq: 21 Dec 2018 00:49

Tgt Ion: 41 Resp: 1587

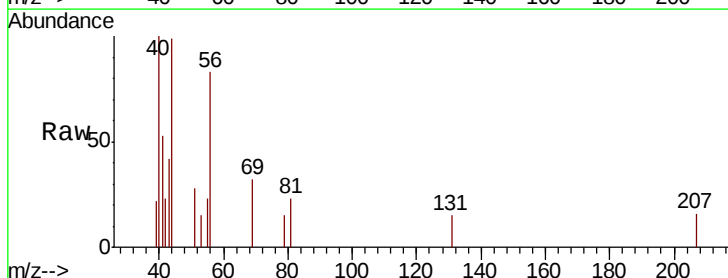
Ion Ratio Lower Upper

41 100

39 0.0 48.0 72.0#

67 0.0 70.3 105.5#

52 0.0 26.9 40.3#

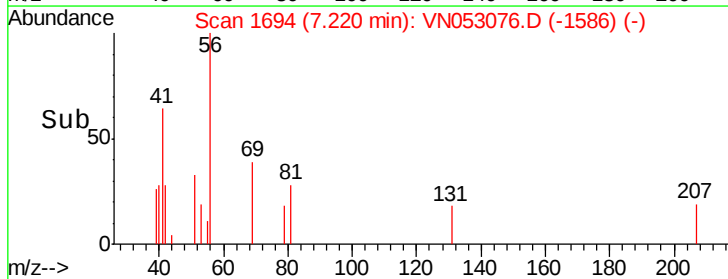
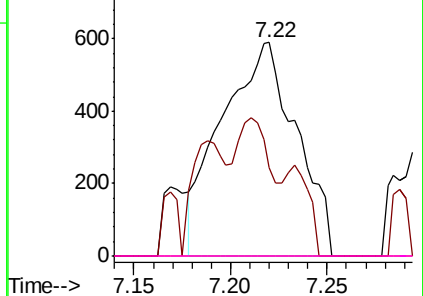


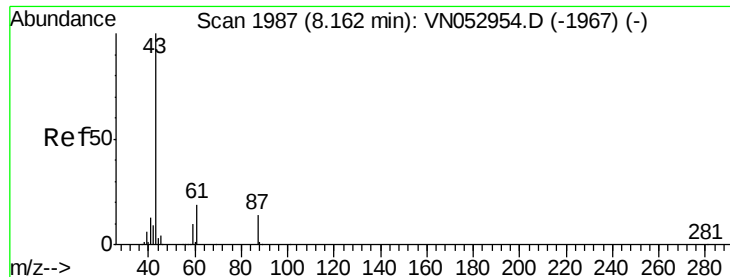
Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



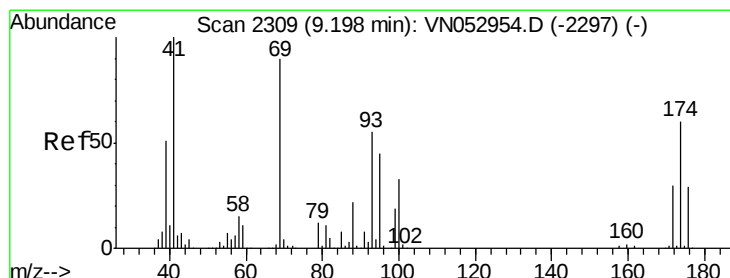
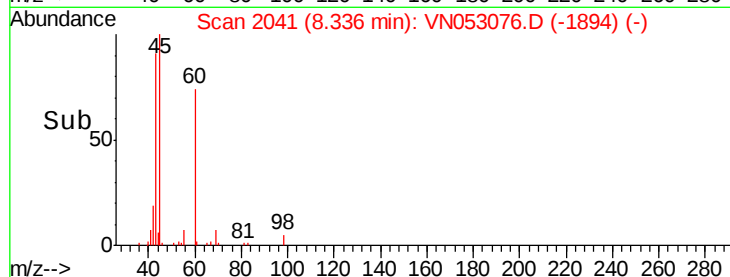
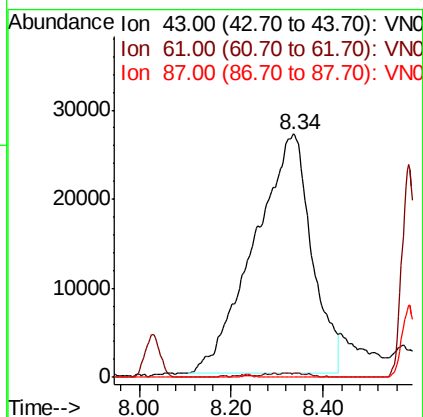
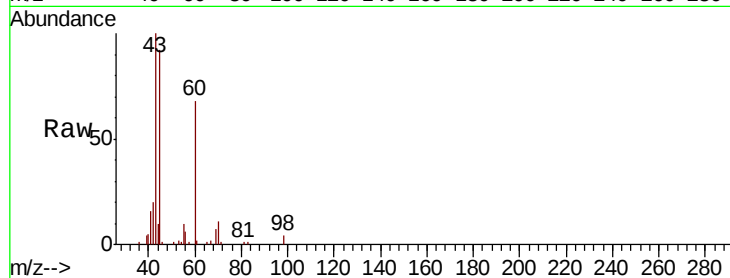


#43

Isopropyl Acetate
 Concen: 10.593 ug/l
 RT: 8.34 min Scan# 2041
 Delta R.T. 0.17 min
 Lab File: VN053076.D
 Acq: 21 Dec 2018 00:49

Instrument :
 MSVOA_N
 ClientSampleId :
 T11-MW-5-9.0-122018

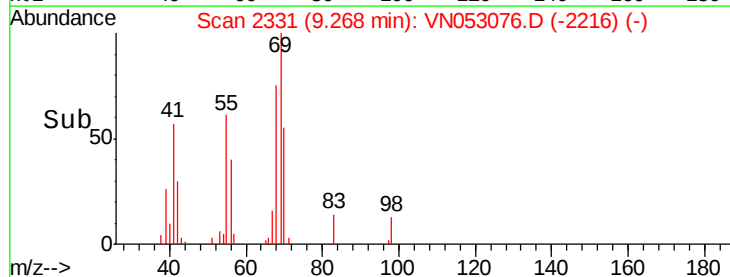
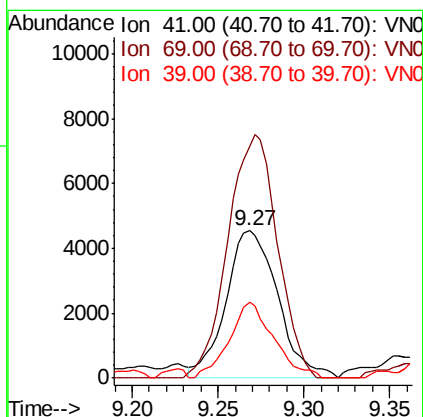
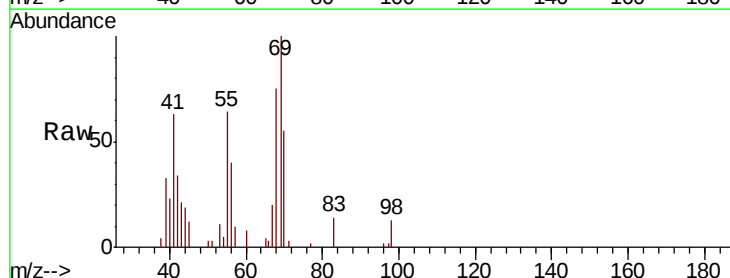
Tot Ion: 43 Resp: 232291
 Ion Ratio Lower Upper
 43 100
 61 0.0 22.9 34.3#
 87 0.0 10.6 15.8#

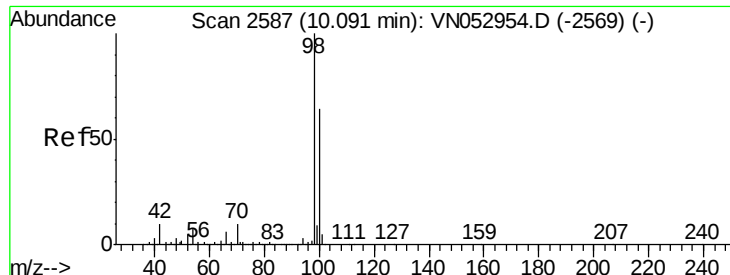


#48

Methyl methacrylate
 Concen: 0.938 ug/l
 RT: 9.27 min Scan# 2331
 Delta R.T. 0.07 min
 Lab File: VN053076.D
 Acq: 21 Dec 2018 00:49

Tgt Ion: 41 Resp: 9575
 Ion Ratio Lower Upper
 41 100
 69 157.4 72.2 108.2#
 39 44.0 41.9 62.9





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053076.D

Acq: 21 Dec 2018 00:49

Instrument :

MSVOA_N

ClientSampleId :

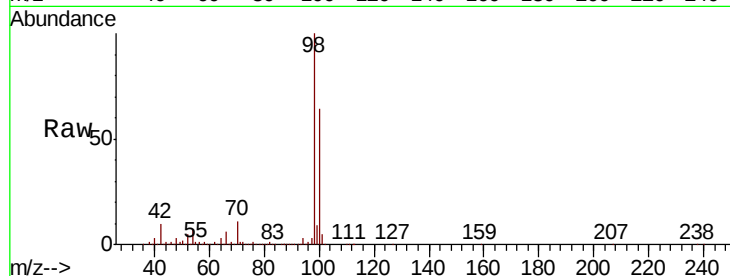
T11-MW-5-9.0-122018

Tot Ion: 98 Resp: 2403444

Ion Ratio Lower Upper

98 100

100 64.0 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

1500000

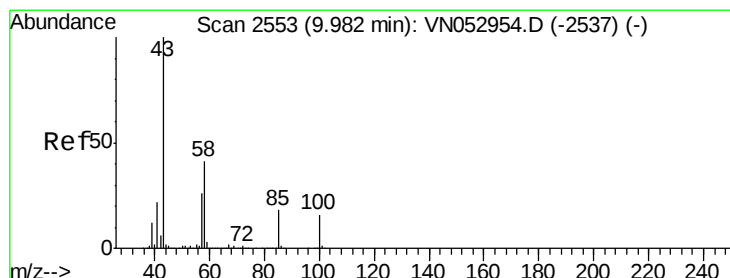
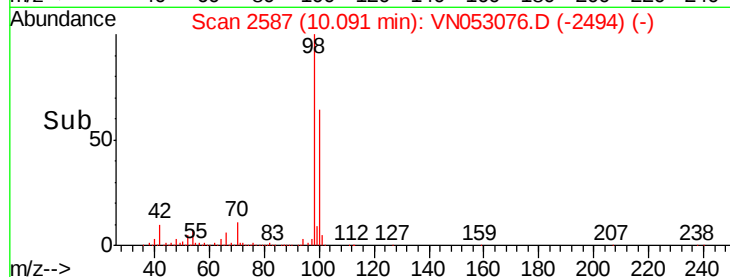
10.09

1000000

500000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.951 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.11 min

Lab File: VN053076.D

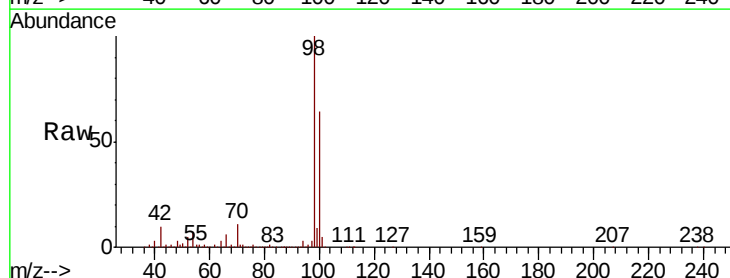
Acq: 21 Dec 2018 00:49

Tgt Ion: 43 Resp: 9682

Ion Ratio Lower Upper

43 100

58 194.9 32.2 48.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

12000

10000

8000

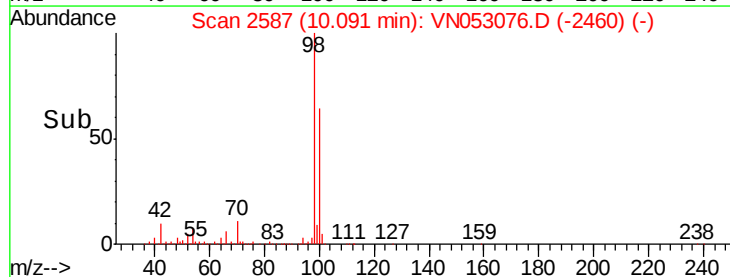
6000

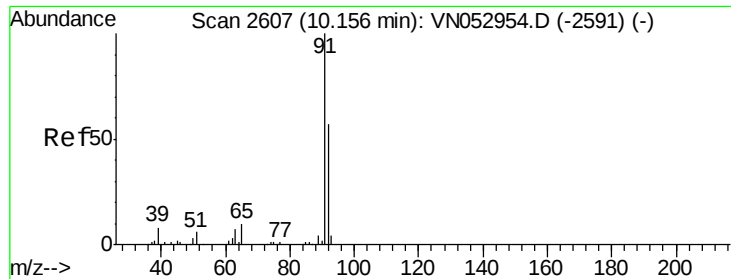
4000

2000

0

Time-->





#52

Toluene

Concen: 0.611 ug/l

RT: 10.16 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN053076.D

Acq: 21 Dec 2018 00:49

Instrument :

MSVOA_N

ClientSampleId :

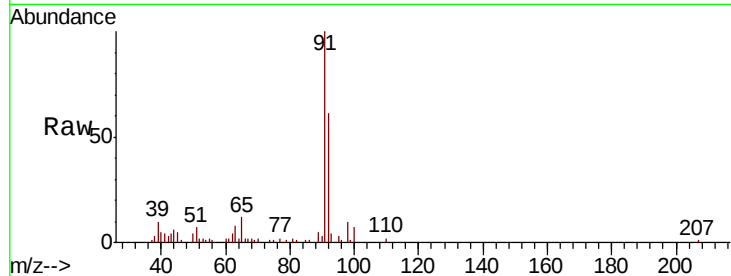
T11-MW-5-9.0-122018

Tot Ion: 92 Resp: 21212

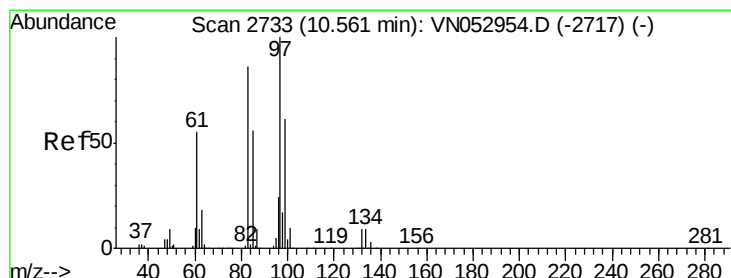
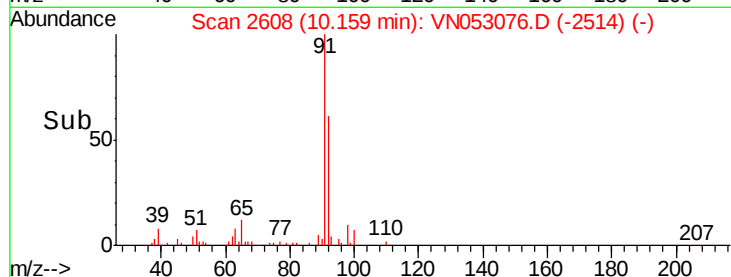
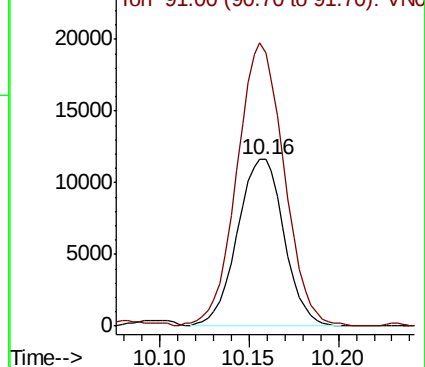
Ion Ratio Lower Upper

92 100

91 171.2 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VN053076.D (-2514) (-)



#55

1,1,2-Trichloroethane

Concen: 0.737 ug/l

RT: 10.53 min Scan# 2724

Delta R.T. -0.03 min

Lab File: VN053076.D

Acq: 21 Dec 2018 00:49

Tgt Ion: 97 Resp: 8932

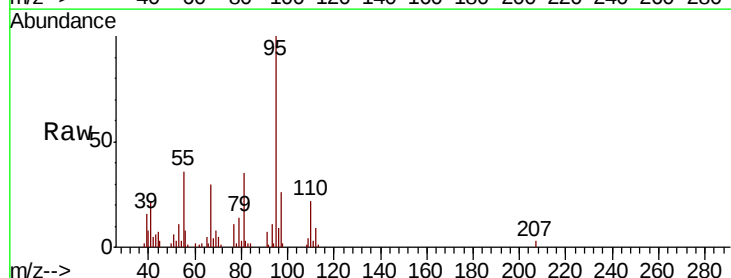
Ion Ratio Lower Upper

97 100

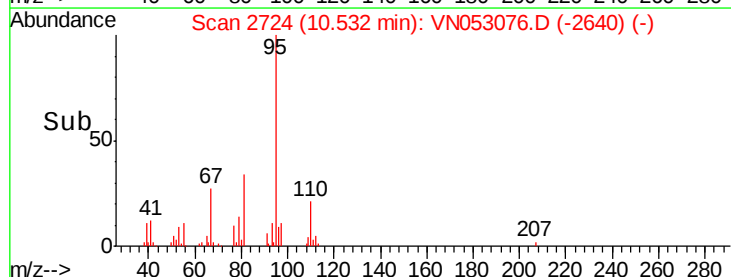
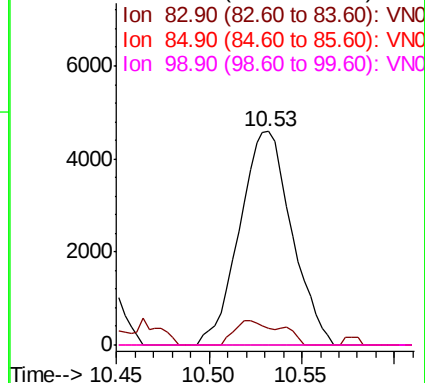
83 8.1 70.9 106.3#

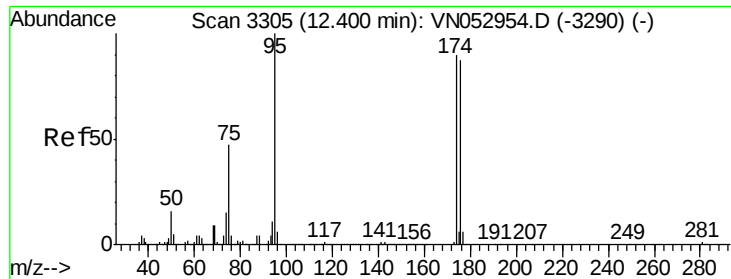
85 0.0 45.4 68.2#

99 0.0 50.4 75.6#



Abundance Ion 96.90 (96.60 to 97.60): VN053076.D (-2640) (-)





#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053076.D

Acq: 21 Dec 2018 00:49

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-5-9.0-122018

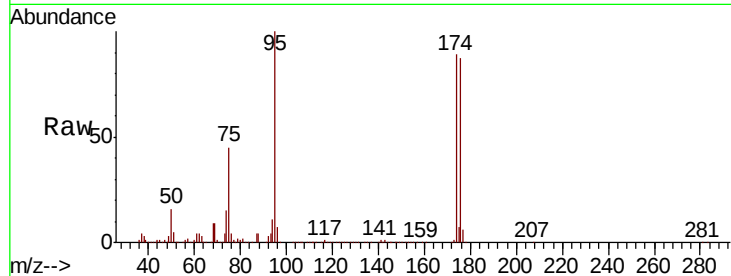
Tot Ion: 95 Resp: 821511

Ion Ratio Lower Upper

95 100

174 89.3 0.0 178.8

176 86.6 0.0 173.8



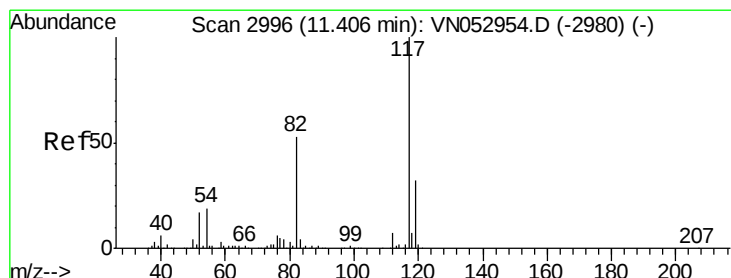
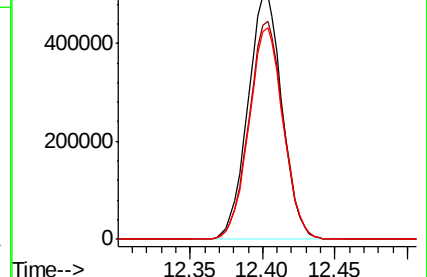
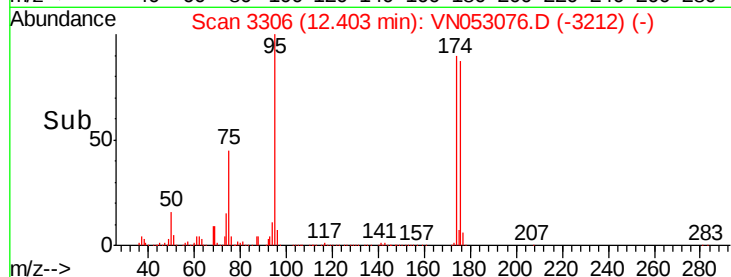
Abundance Ion 94.90 (94.60 to 95.60): VN052954.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN052954.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN052954.D (-3290) (-)

12.40

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN053076.D

Acq: 21 Dec 2018 00:49

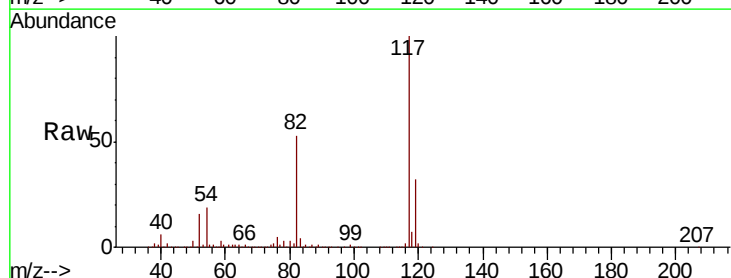
Tgt Ion: 117 Resp: 1757400

Ion Ratio Lower Upper

117 100

82 53.1 42.8 64.2

119 32.3 25.5 38.3



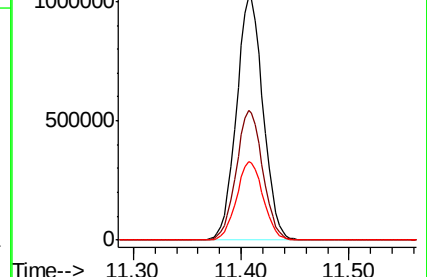
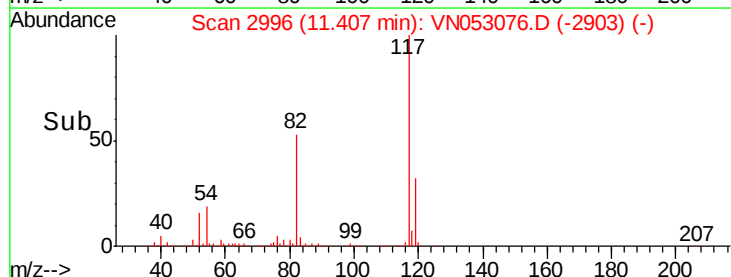
Abundance Ion 116.90 (116.60 to 117.60): VN052954.D (-2980) (-)

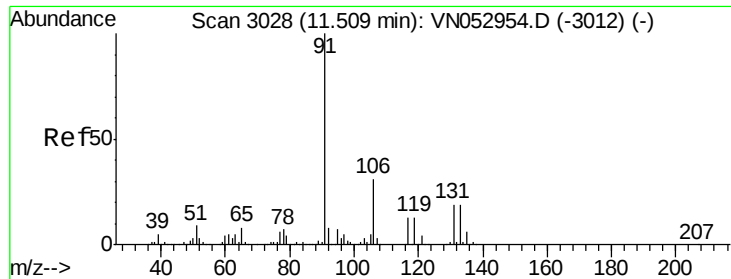
Ion 82.00 (81.70 to 82.70): VN052954.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN052954.D (-2980) (-)

11.41

Time-->

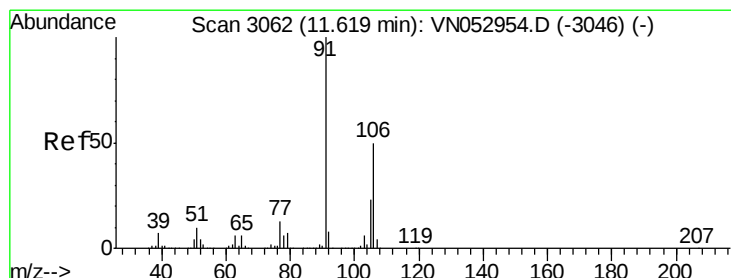
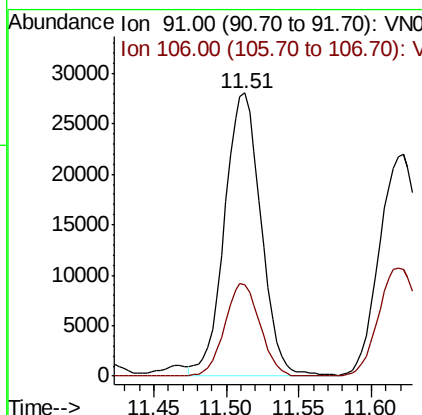
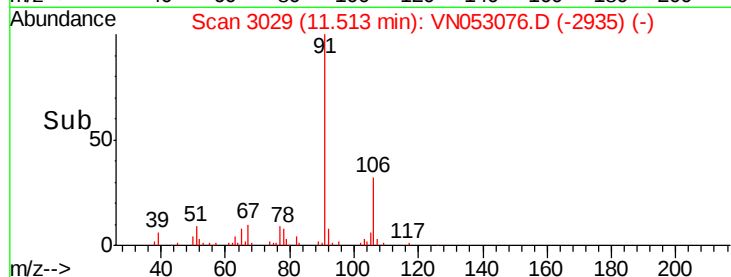
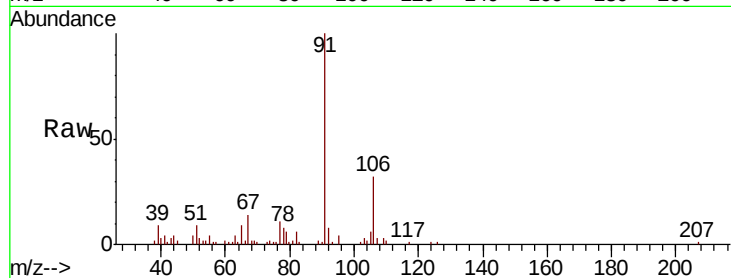




#67
Ethyl Benzene
Concen: 0.732 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053076.D
Acq: 21 Dec 2018 00:49

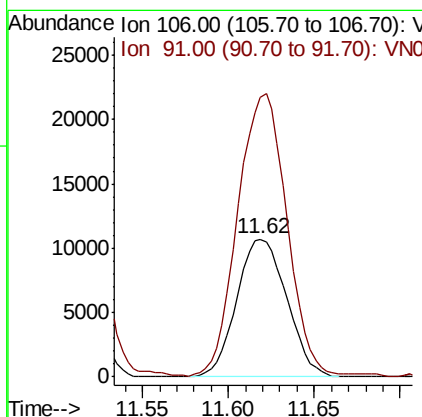
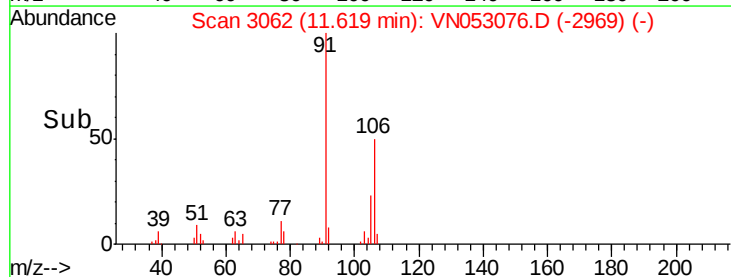
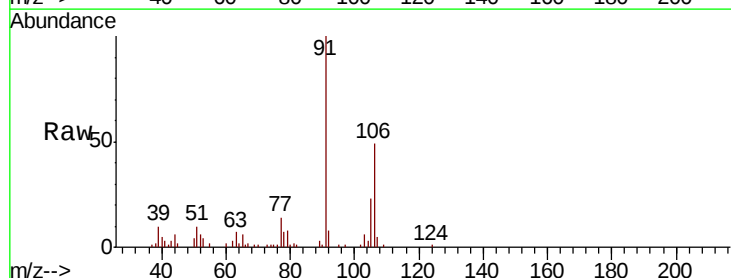
Instrument :
MSVOA_N
ClientSampleId :
T11-MW-5-9.0-122018

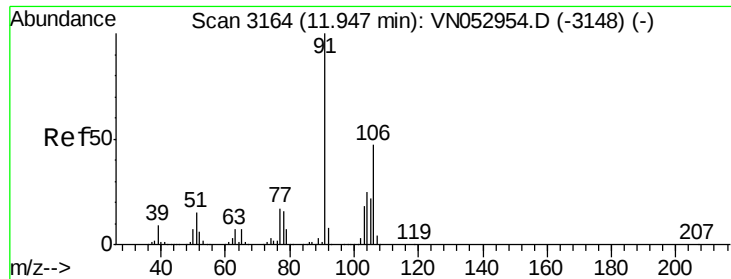
Tot Ion: 91 Resp: 49030
Ion Ratio Lower Upper
91 100
106 32.5 24.9 37.3



#68
m/p-Xylenes
Concen: 0.846 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN053076.D
Acq: 21 Dec 2018 00:49

Tgt Ion: 106 Resp: 21534
Ion Ratio Lower Upper
106 100
91 202.6 162.2 243.4

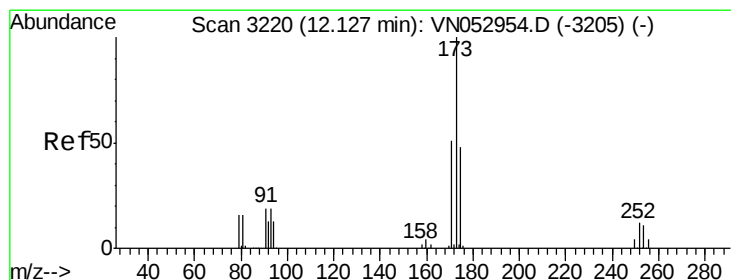
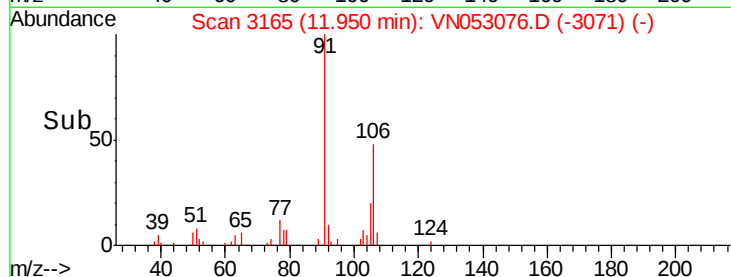
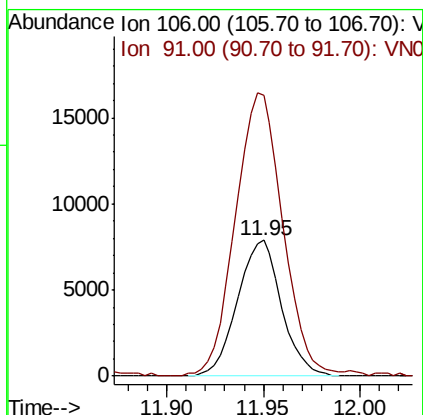
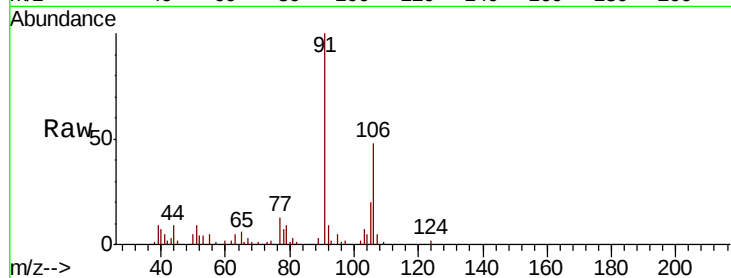




#69
o-Xylene
Concen: 0.510 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN053076.D
Acq: 21 Dec 2018 00:49

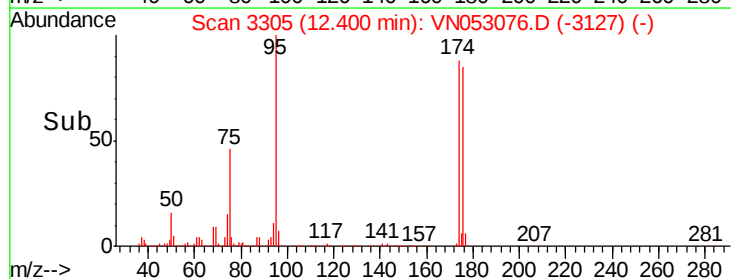
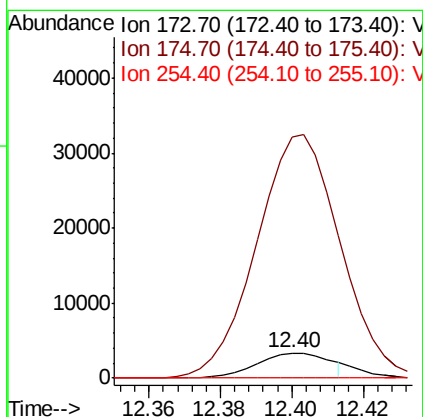
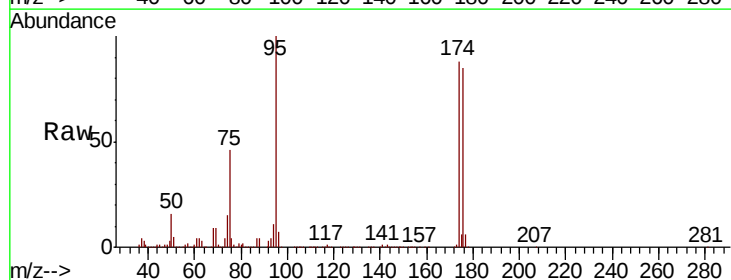
Instrument :
MSVOA_N
ClientSampleId :
T11-MW-5-9.0-122018

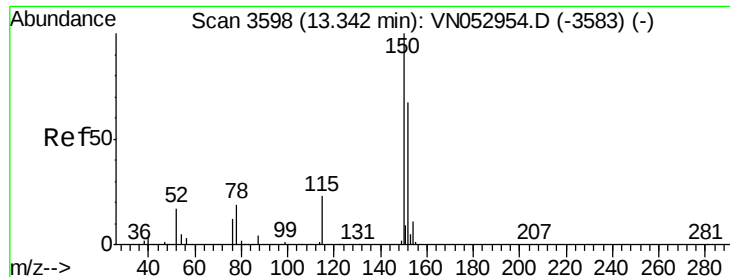
Tot Ion:106 Resp: 12469
Ion Ratio Lower Upper
106 100
91 225.9 106.6 319.8



#71
Bromoform
Concen: 0.481 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN053076.D
Acq: 21 Dec 2018 00:49

Tgt Ion:173 Resp: 4704
Ion Ratio Lower Upper
173 100
175 984.4 24.3 72.9#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053076.D

Acq: 21 Dec 2018 00:49

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-5-9.0-122018

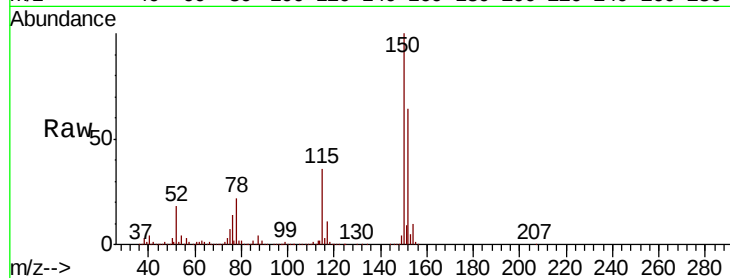
Tot Ion:152 Resp: 768829

Ion Ratio Lower Upper

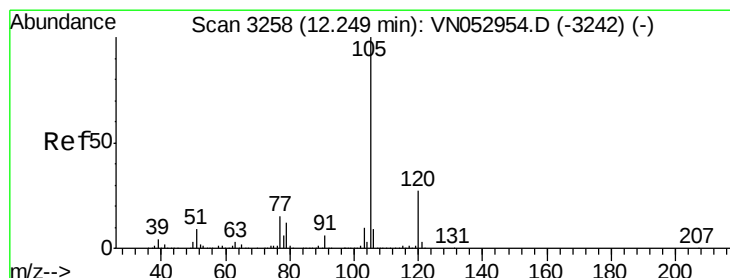
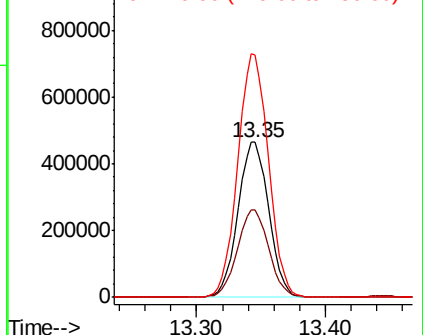
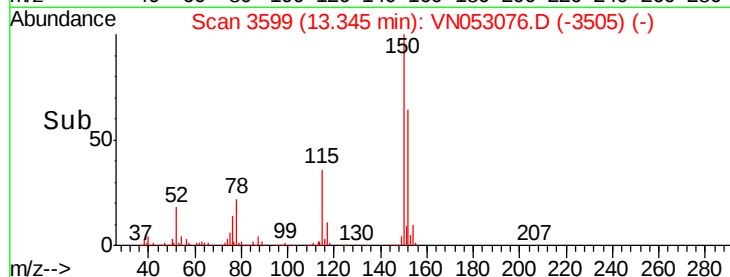
152 100

115 57.3 28.3 85.0

150 156.9 0.0 347.8



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: 19.712 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053076.D

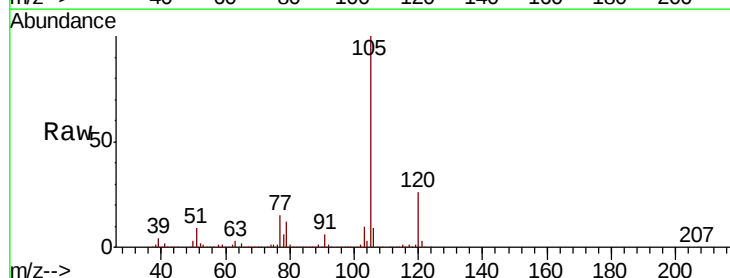
Acq: 21 Dec 2018 00:49

Tgt Ion:105 Resp: 1185777

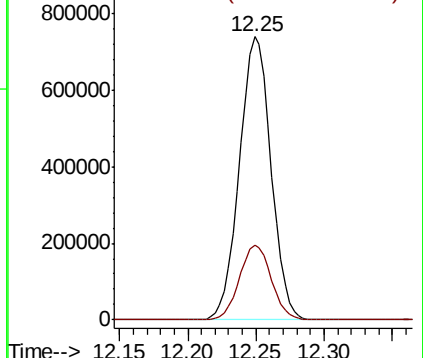
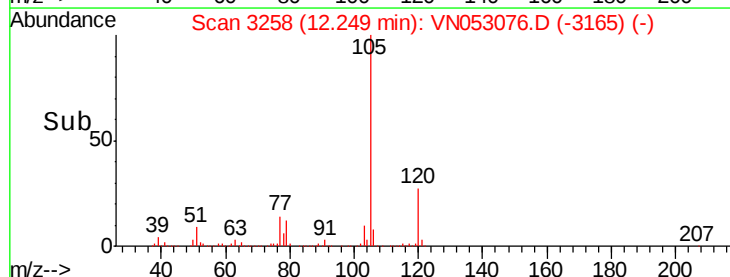
Ion Ratio Lower Upper

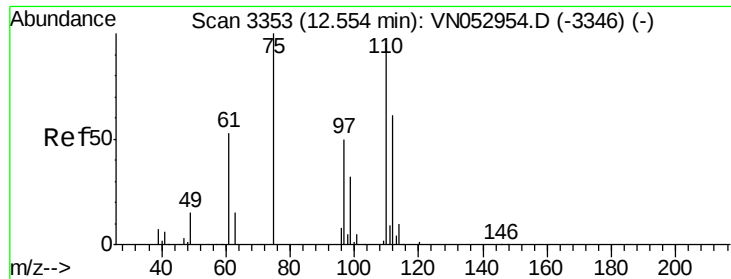
105 100

120 26.6 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#76

1,2,3-Trichloropropane

Concen: 1.796 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.04 min

Lab File: VN053076.D

Acq: 21 Dec 2018 00:49

Instrument :

MSVOA_N

ClientSampleId :

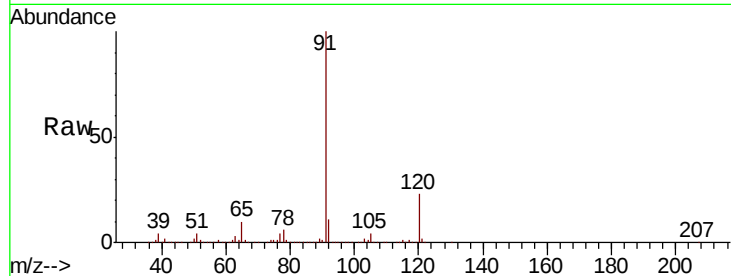
T11-MW-5-9.0-122018

Tot Ion: 75 Resp: 23245

Ion Ratio Lower Upper

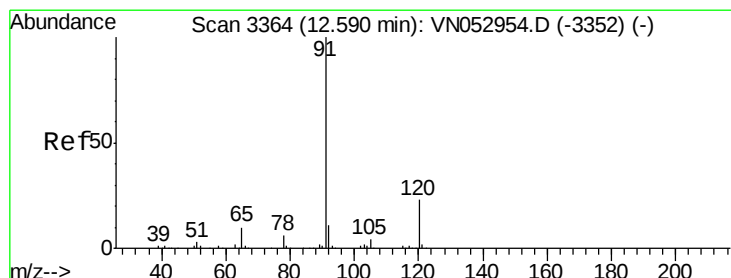
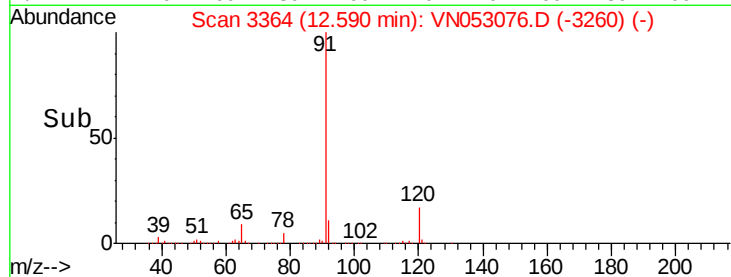
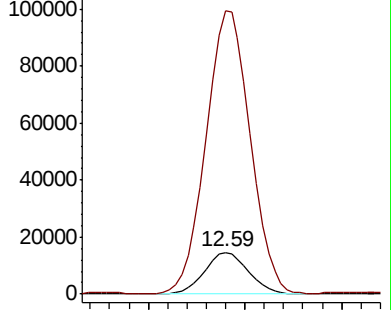
75 100

77 681.3 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: 62.304 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN053076.D

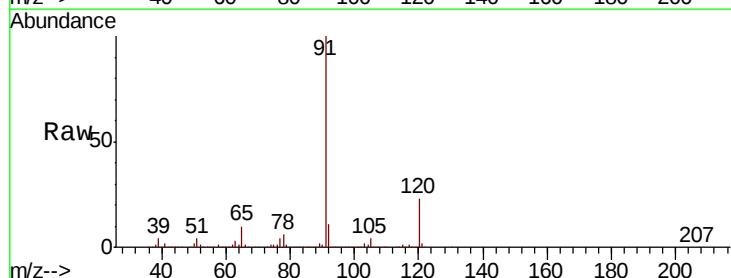
Acq: 21 Dec 2018 00:49

Tgt Ion: 91 Resp: 4268443

Ion Ratio Lower Upper

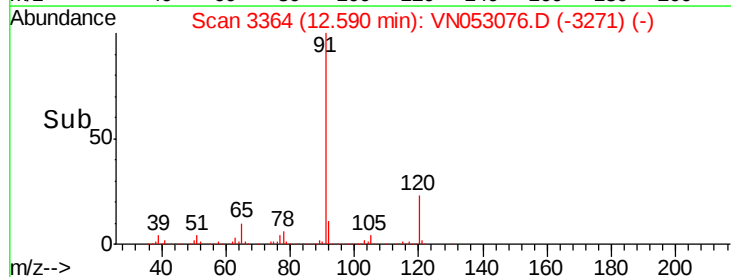
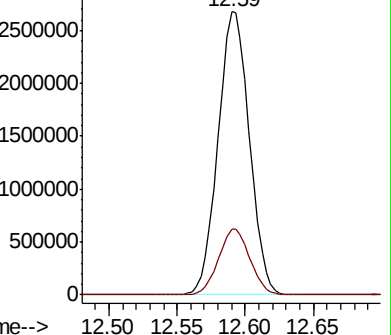
91 100

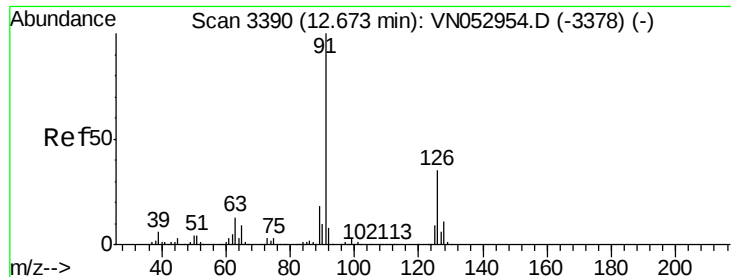
120 23.2 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 100.515 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.08 min

Lab File: VN053076.D

Acq: 21 Dec 2018 00:49

Instrument :

MSVOA_N

ClientSampleId :

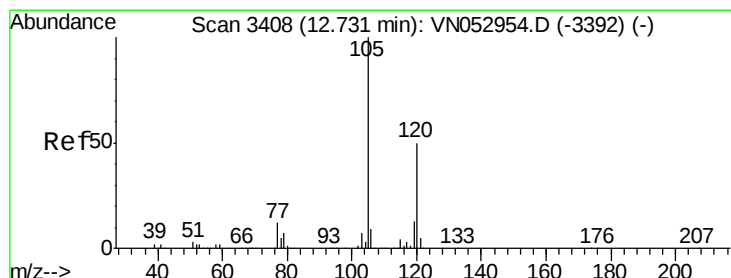
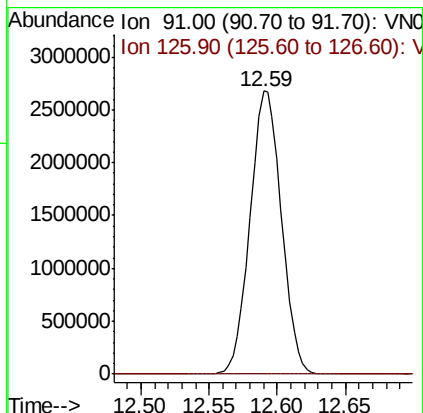
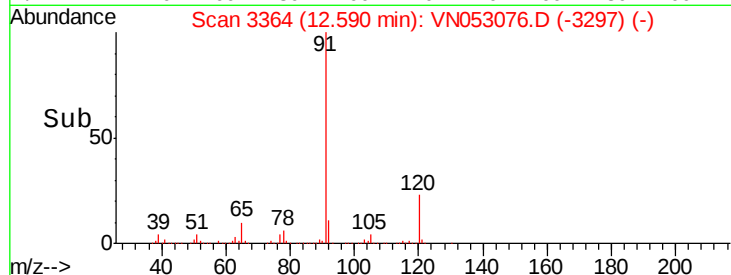
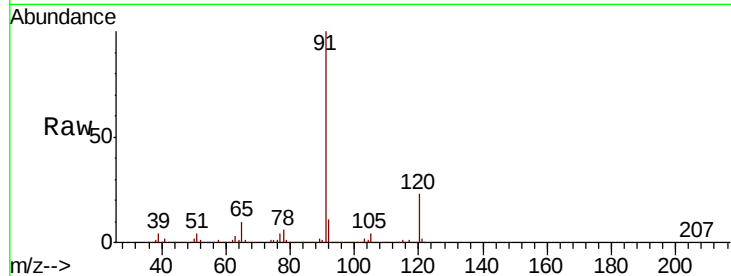
T11-MW-5-9.0-122018

Tot Ion: 91 Resp: 4268443

Ion Ratio Lower Upper

91 100

126 0.0 17.4 52.3#



#80

1,3,5-Trimethylbenzene

Concen: 3.593 ug/l

RT: 12.89 min Scan# 3458

Delta R.T. 0.16 min

Lab File: VN053076.D

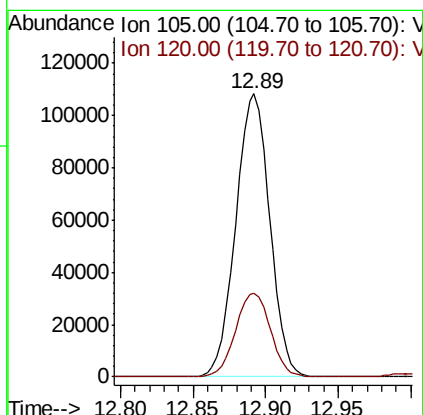
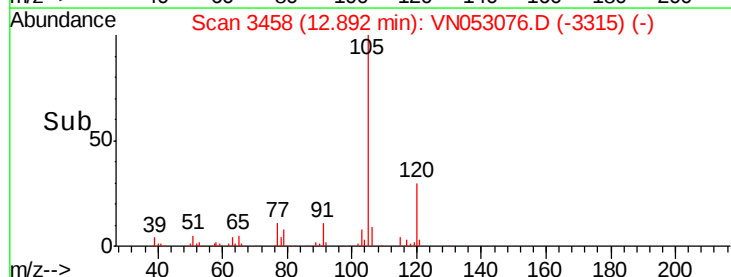
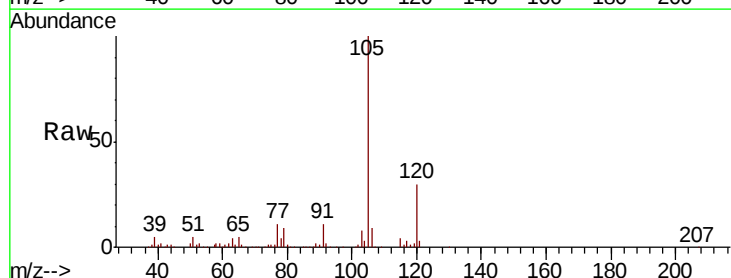
Acq: 21 Dec 2018 00:49

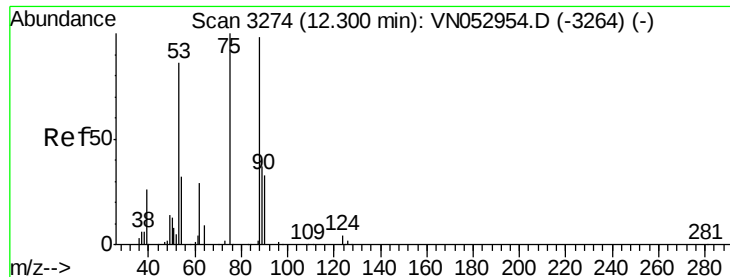
Tgt Ion: 105 Resp: 176147

Ion Ratio Lower Upper

105 100

120 30.4 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 3.074 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.05 min

Lab File: VN053076.D

Acq: 21 Dec 2018 00:49

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-5-9.0-122018

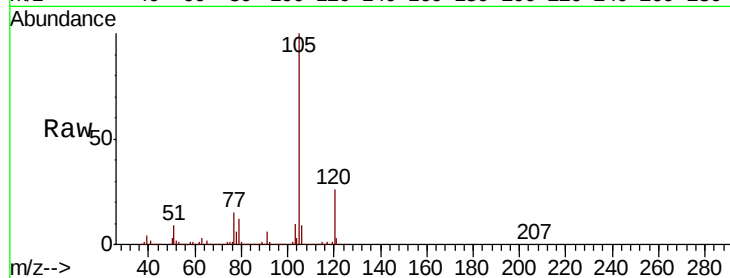
Tot Ion: 75 Resp: 12342

Ion Ratio Lower Upper

75 100

53 107.5 74.7 112.1

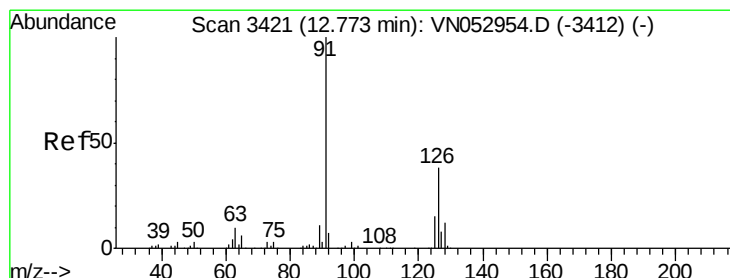
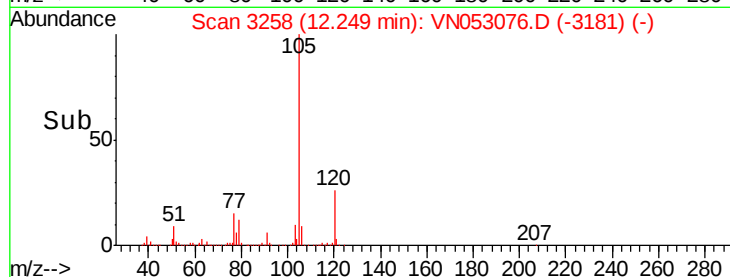
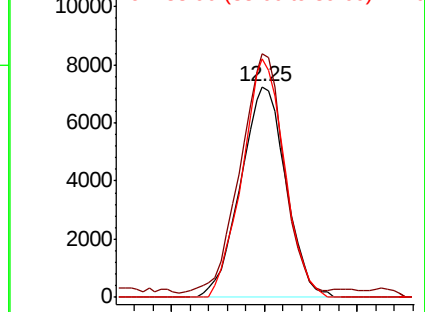
89 105.3 36.1 54.1#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 102.681 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.18 min

Lab File: VN053076.D

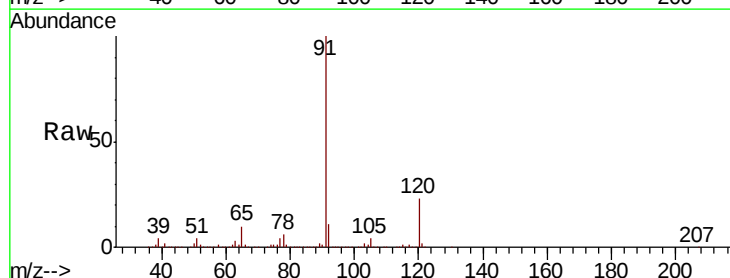
Acq: 21 Dec 2018 00:49

Tgt Ion: 91 Resp: 4268443

Ion Ratio Lower Upper

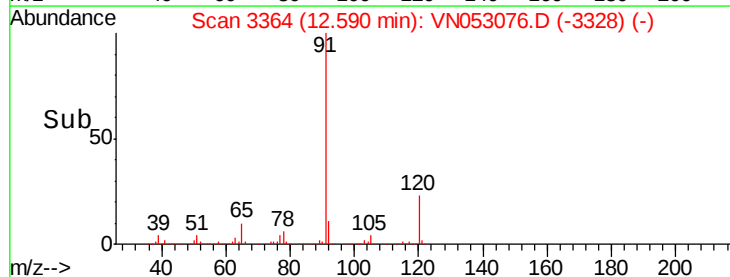
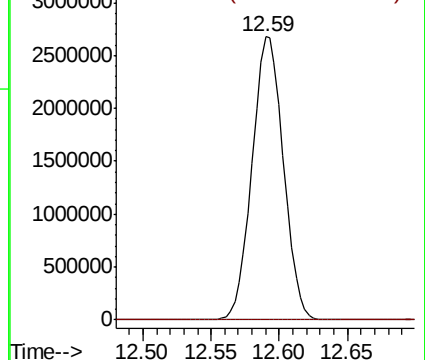
91 100

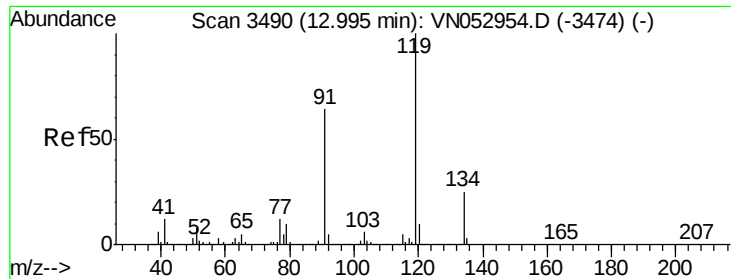
126 0.0 17.3 51.7#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

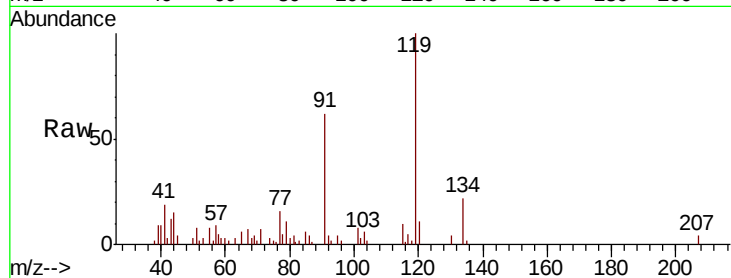




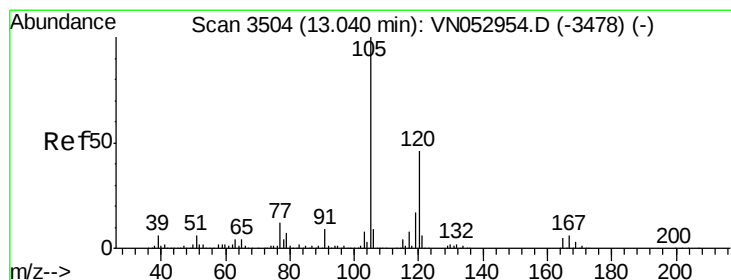
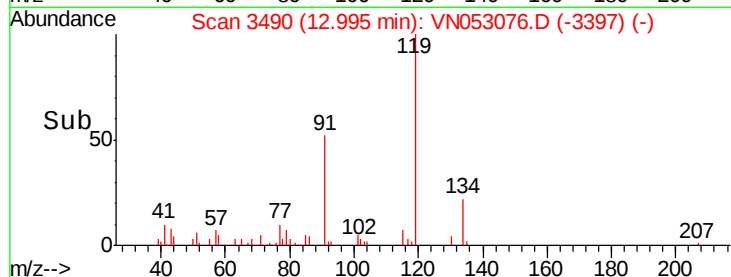
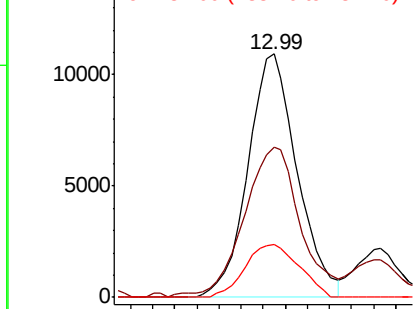
#83
tert-Butylbenzene
Concen: 0.391 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN053076.D
Acq: 21 Dec 2018 00:49

Instrument :
MSVOA_N
ClientSampleId :
T11-MW-5-9.0-122018

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.4	31.9	95.5
134	23.7	12.8	38.4

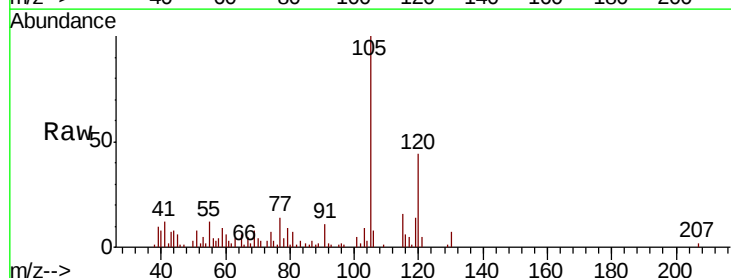


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

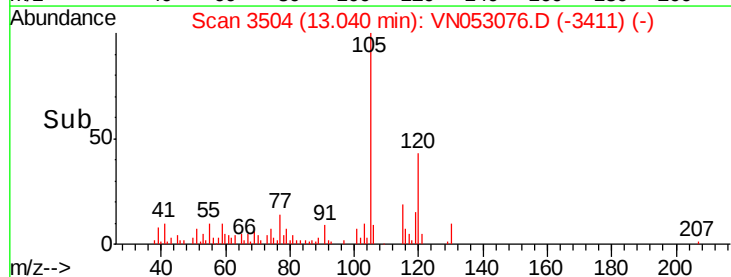
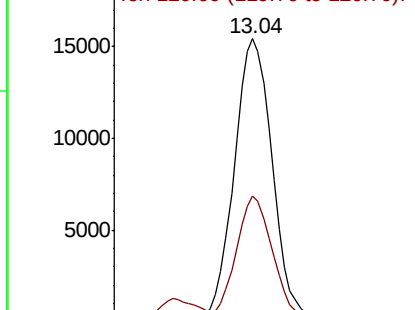


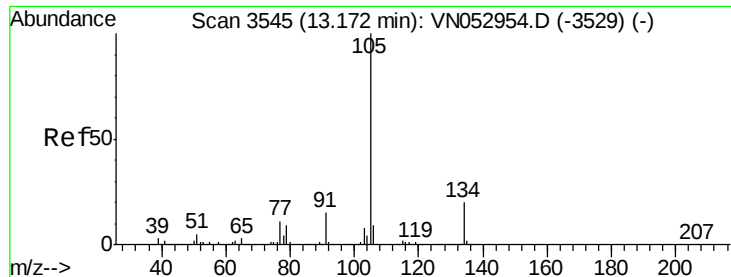
#84
1,2,4-Trimethylbenzene
Concen: 0.505 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN053076.D
Acq: 21 Dec 2018 00:49

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.9	22.9	68.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

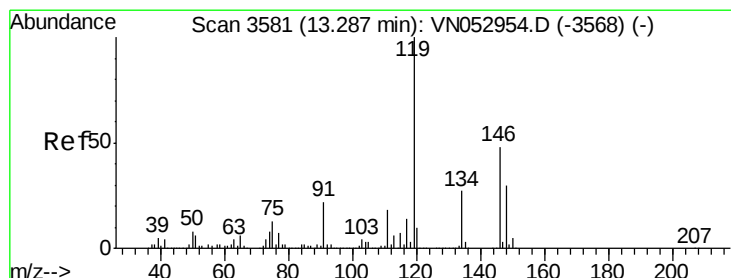
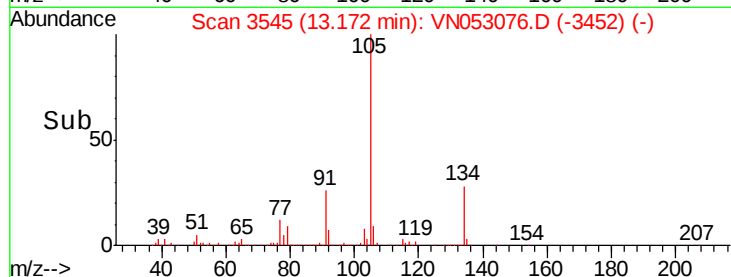
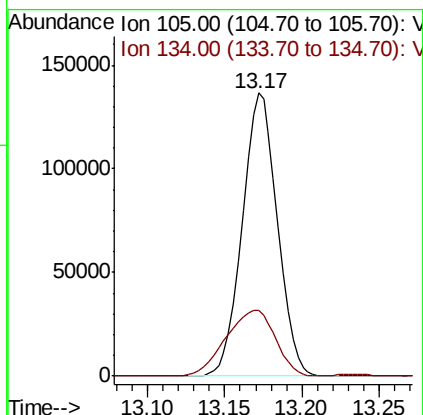
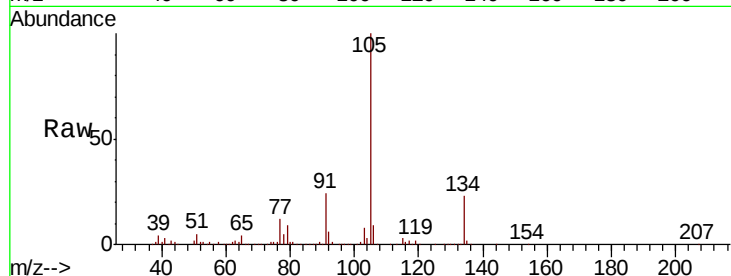




#85
 sec-Butylbenzene
 Concen: 3.664 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN053076.D
 Acq: 21 Dec 2018 00:49

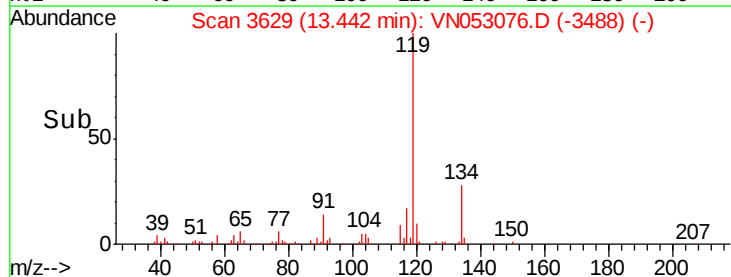
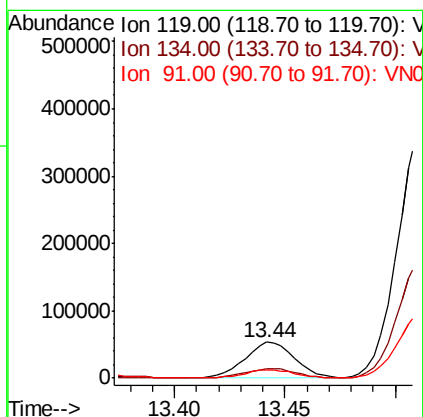
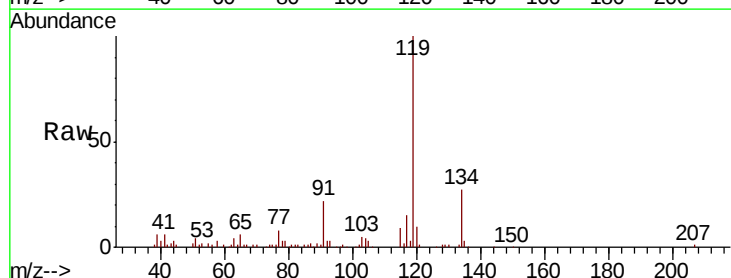
Instrument :
 MSVOA_N
 ClientSampleId :
 T11-MW-5-9.0-122018

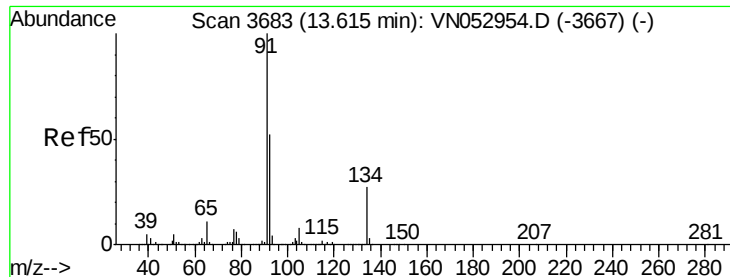
Tot Ion:105 Resp: 214907
 Ion Ratio Lower Upper
 105 100
 134 33.0 10.1 30.3#



#86
 p-Isopropyltoluene
 Concen: 1.627 ug/l
 RT: 13.44 min Scan# 3629
 Delta R.T. 0.15 min
 Lab File: VN053076.D
 Acq: 21 Dec 2018 00:49

Tgt Ion:119 Resp: 82441
 Ion Ratio Lower Upper
 119 100
 134 27.8 13.4 40.2
 91 0.0 11.1 33.3#





#89

n-Butylbenzene

Concen: 6.777 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053076.D

Acq: 21 Dec 2018 00:49

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-5-9.0-122018

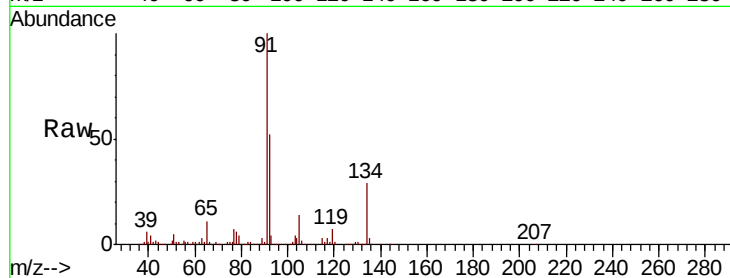
Tot Ion: 91 Resp: 295497

Ion Ratio Lower Upper

91 100

92 44.7 26.3 78.9

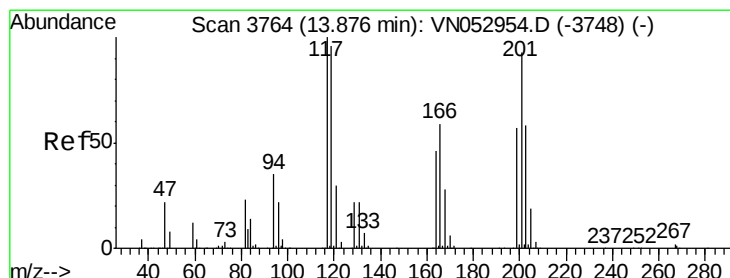
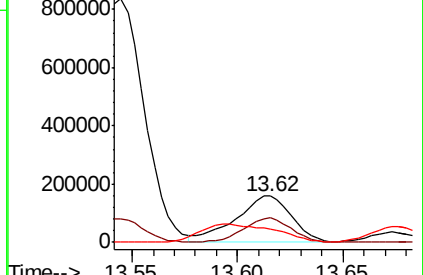
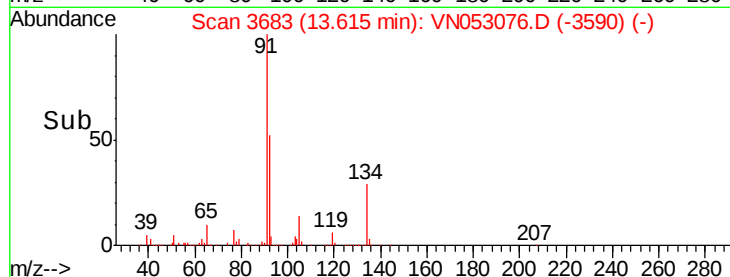
134 0.0 13.3 39.8#



Abundance Ion 91.00 (90.70 to 91.70): VN052954.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN052954.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN052954.D (-3667) (-)



#90

Hexachloroethane

Concen: 33.206 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.01 min

Lab File: VN053076.D

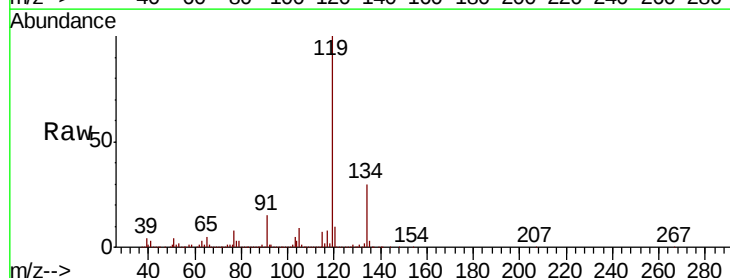
Acq: 21 Dec 2018 00:49

Tgt Ion: 117 Resp: 258256

Ion Ratio Lower Upper

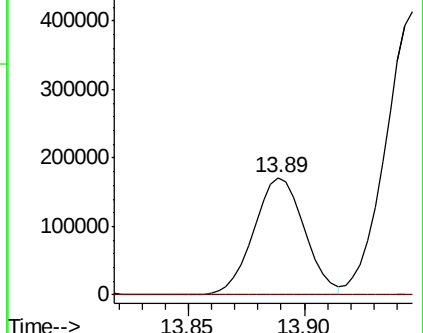
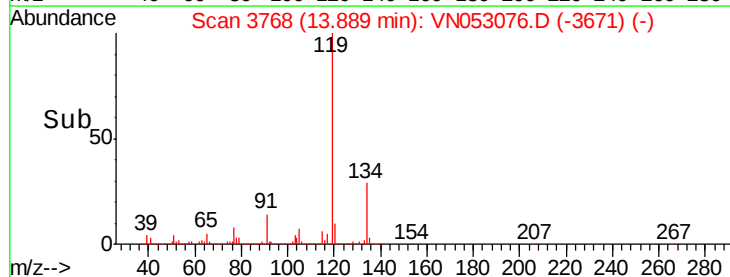
117 100

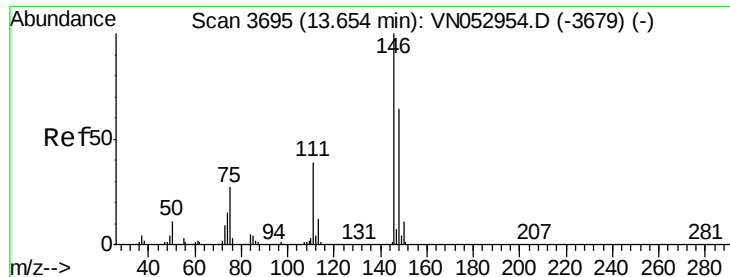
201 0.0 45.7 137.1#



Abundance Ion 116.80 (116.50 to 117.50): VN052954.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN052954.D (-3748) (-)





#91

1,2-Dichlorobenzene

Concen: 0.280 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN053076.D

Acq: 21 Dec 2018 00:49

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-5-9.0-122018

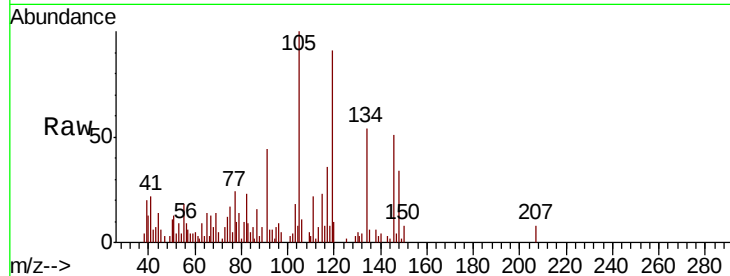
Tot Ion:146 Resp: 7282

Ion Ratio Lower Upper

146 100

111 42.6 19.7 59.0

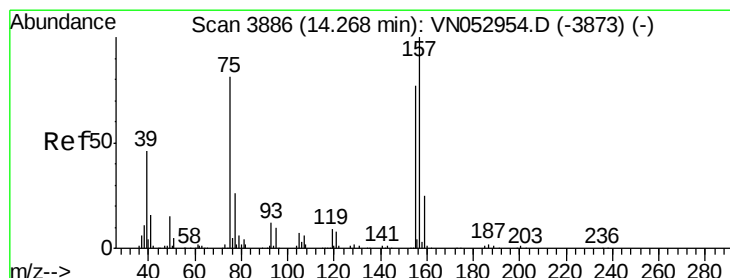
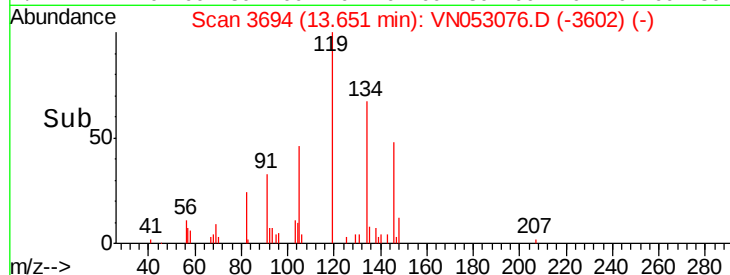
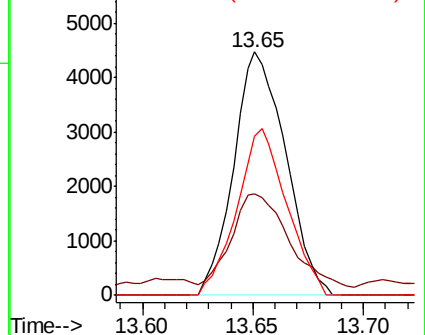
148 65.9 32.0 96.0



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: 6.795 ug/l

RT: 14.21 min Scan# 3868

Delta R.T. -0.06 min

Lab File: VN053076.D

Acq: 21 Dec 2018 00:49

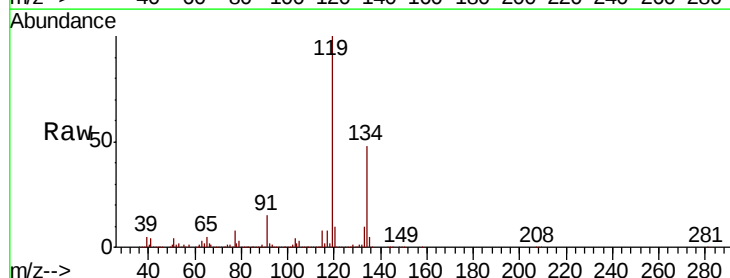
Tgt Ion: 75 Resp: 13865

Ion Ratio Lower Upper

75 100

155 0.0 48.2 144.6#

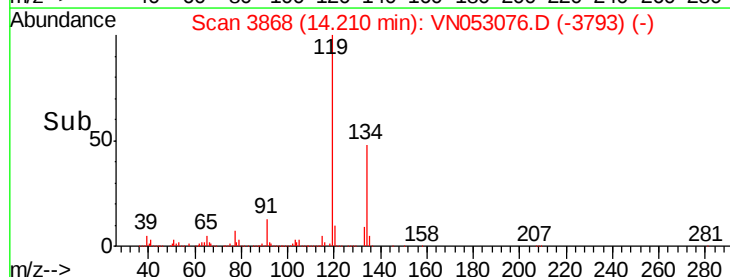
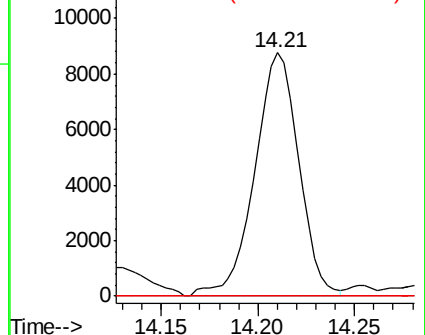
157 0.0 61.2 183.5#

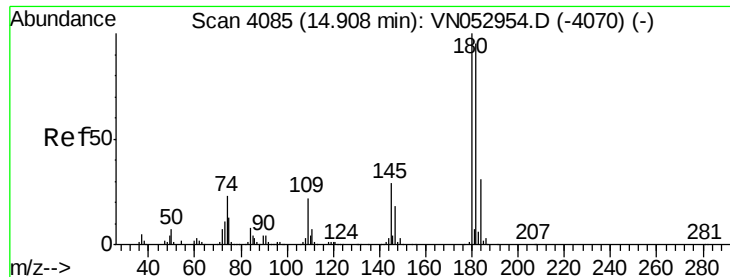


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

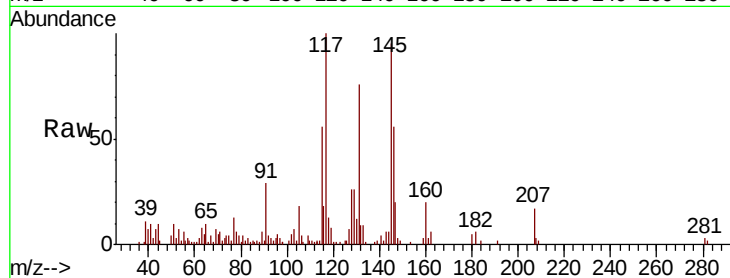




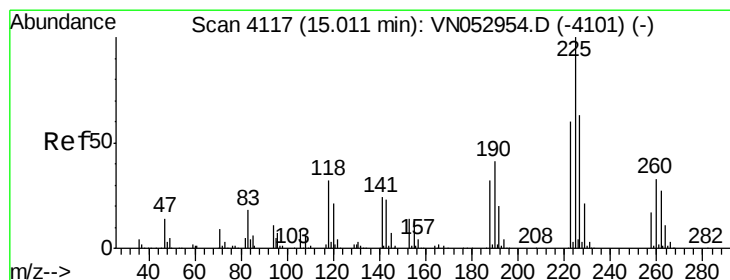
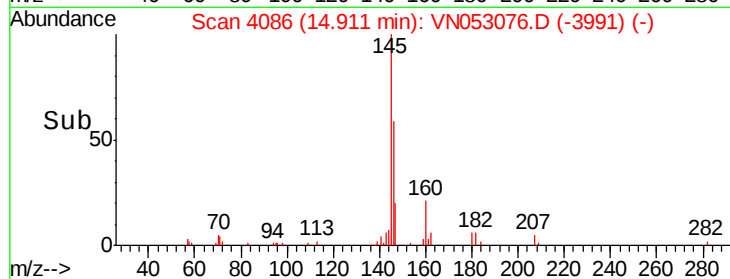
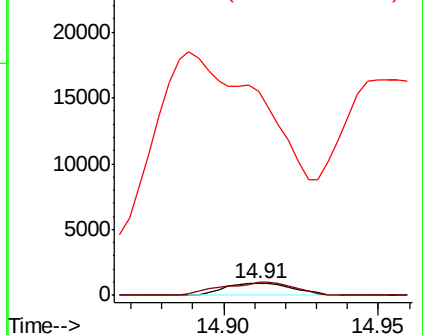
#93
 1,2,4-Trichlorobenzene
 Concen: 0.696 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053076.D
 Acq: 21 Dec 2018 00:49

Instrument :
 MSVOA_N
 ClientSampleId :
 T11-MW-5-9.0-122018

Tot Ion:180 Resp: 1400
 Ion Ratio Lower Upper
 180 100
 182 117.0 47.8 143.3
 145 0.0 14.2 42.6#

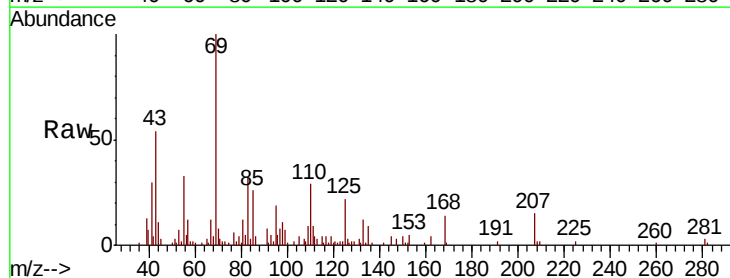


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

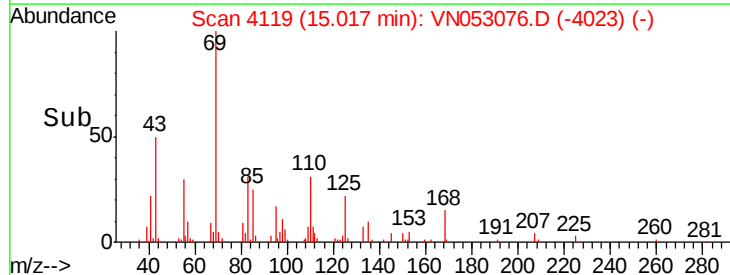
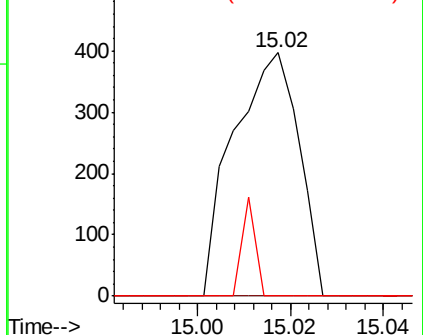


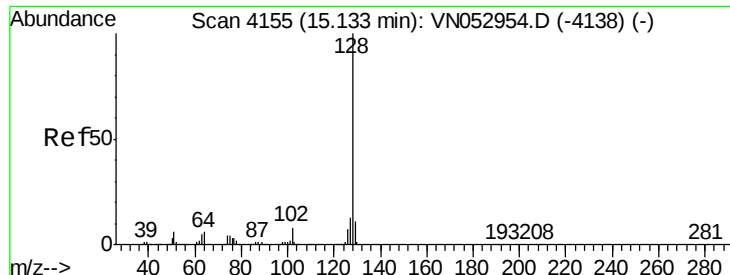
#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.01 min
 Lab File: VN053076.D
 Acq: 21 Dec 2018 00:49

Tgt Ion:225 Resp: 391
 Ion Ratio Lower Upper
 225 100
 223 0.0 31.5 94.5#
 227 7.9 31.9 95.7#



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 1.413 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053076.D

Acq: 21 Dec 2018 00:49

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-5-9.0-122018

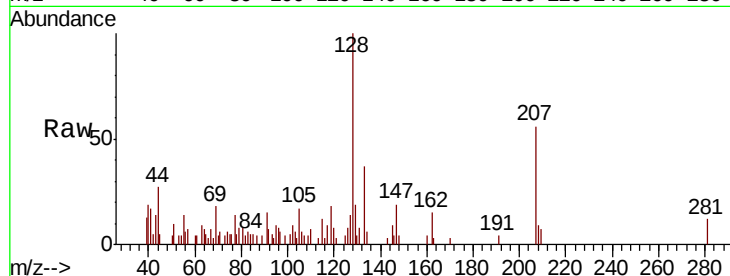
Tot Ion:128 Resp: 8233

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.4#

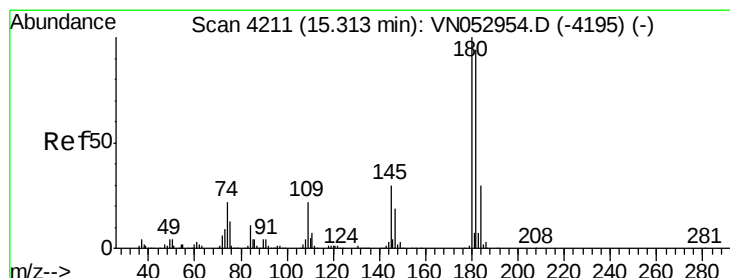
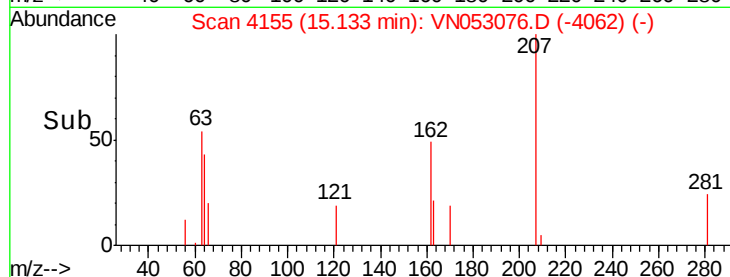
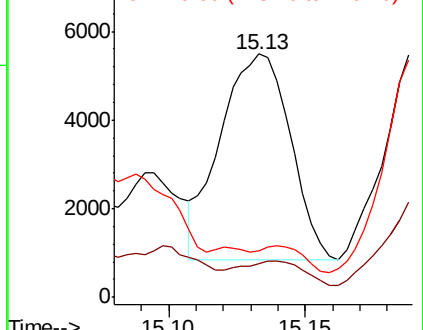
129 0.0 8.6 13.0#



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: 0.619 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053076.D

Acq: 21 Dec 2018 00:49

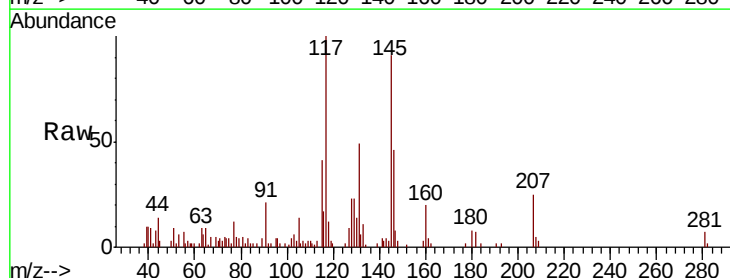
Tgt Ion:180 Resp: 1397

Ion Ratio Lower Upper

180 100

182 94.6 47.9 143.7

145 3164.8 15.0 45.0#



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

