

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122018\
 Data File : VN053077.D
 Acq On : 21 Dec 2018 1:15
 Operator : MD\SY
 Sample : J6519-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 38 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 T11-MW-1-8.0-122018

Quant Time: Dec 21 02:39:31 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	1365152	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2064538	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1838150	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	769810	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	651227	47.01	ug/l	0.00
Spiked Amount			Recovery	=	94.02%	
35) Dibromofluoromethane	7.59	113	571571	60.61	ug/l	0.00
Spiked Amount			Recovery	=	121.22%	
50) Toluene-d8	10.09	98	2526493	49.90	ug/l	0.00
Spiked Amount			Recovery	=	99.80%	
62) 4-Bromofluorobenzene	12.40	95	837226	47.11	ug/l	0.00
Spiked Amount			Recovery	=	94.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.78	59	10368	12.265	ug/l #	74
13) Acrolein	3.61	56	376	0.491	ug/l #	14
16) Acetone	3.82	43	28516	10.498	ug/l	90
18) Methyl Acetate	4.32	43	3247	1.250	ug/l #	70
19) Methyl tert-butyl Ether	5.05	73	121476	3.489	ug/l #	28
20) Methylene Chloride	4.55	84	3279	0.221	ug/l	90
25) 2-Butanone	6.84	43	2342	0.514	ug/l #	80
29) Tetrahydrofuran	7.23	42	783	0.230	ug/l #	34
31) Cyclohexane	7.66	56	100010	3.187	ug/l #	71
36) 1,1-Dichloropropene	7.67	75	87834	4.432	ug/l #	50
38) Carbon Tetrachloride	7.67	117	116011	6.387	ug/l #	16
39) Methylcyclohexane	9.08	83	97562	4.053	ug/l	98
43) Isopropyl Acetate	8.15	43	5857	Below Cal	#	53
47) Bromodichloromethane	9.39	83	4373	0.230	ug/l #	25
48) Methyl methacrylate	9.15	41	2277	0.212	ug/l #	31
52) Toluene	10.16	92	8817	0.241	ug/l	95
55) 1,1,2-Trichloroethane	10.53	97	15911	1.248	ug/l #	19
59) 2-Hexanone	10.72	43	1751	0.242	ug/l #	23
65) Chlorobenzene	11.43	112	10305	0.253	ug/l	91
68) m/p-Xylenes	11.62	106	18300	0.687	ug/l	93
69) o-Xylene	11.95	106	6200	0.243	ug/l	85
71) Bromoform	12.40	173	4899	0.479	ug/l #	1
73) Isopropylbenzene	12.25	105	31513	0.523	ug/l	98
76) 1,2,3-Trichloropropane	12.40	75	387880	29.931	ug/l #	100
77) Bromobenzene	12.56	156	137052	8.754	ug/l #	1
78) n-propylbenzene	12.59	91	27865	0.406	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	387880	96.472	ug/l #	12
83) tert-Butylbenzene	12.99	119	24252	0.559	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	10124	0.205	ug/l	97
85) sec-Butylbenzene	13.17	105	39837	0.678	ug/l #	1
86) p-Isopropyltoluene	13.44	119	70465	1.389	ug/l	97
89) n-Butylbenzene	13.60	91	39671	0.909	ug/l #	34
90) Hexachloroethane	13.89	117	85377	10.964	ug/l #	4
92) 1,2-Dibromo-3-Chloropropan	14.21	75	7026	3.439	ug/l #	1

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QLast Update : Tue Dec 18 13:03:37 2018
Response via : Initial Calibration

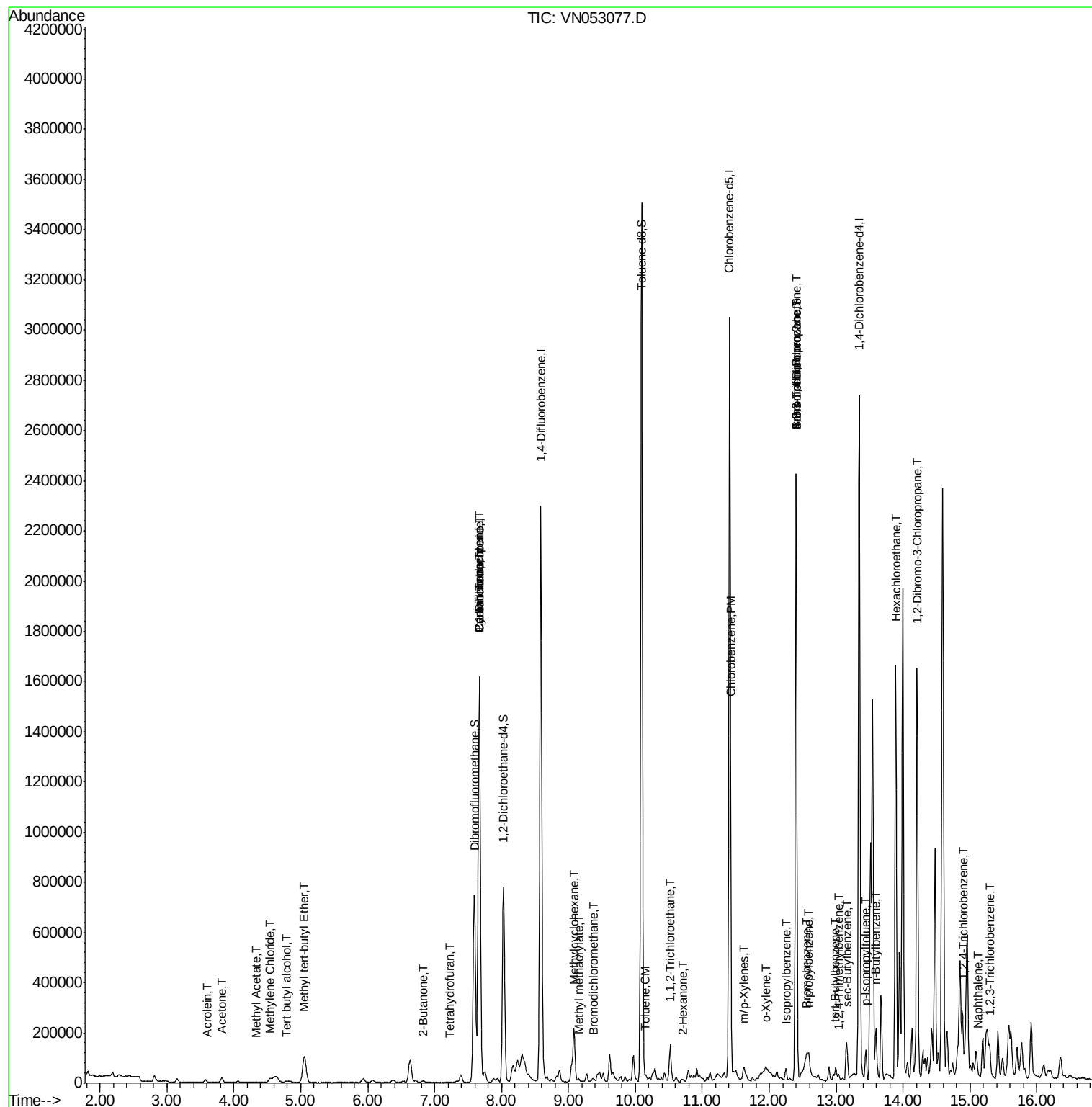
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	847	0.657	ug/l #	75
95) Naphthalene	15.13	128	2576	1.230	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.32	180	664	0.561	ug/l #	1

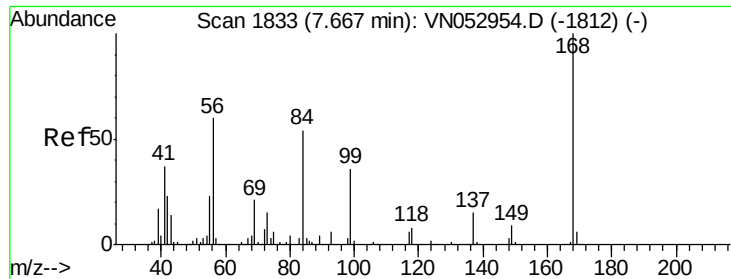
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN053077.D

Acq: 21 Dec 2018 1:15

Instrument :

MSVOA_N

ClientSampleId :

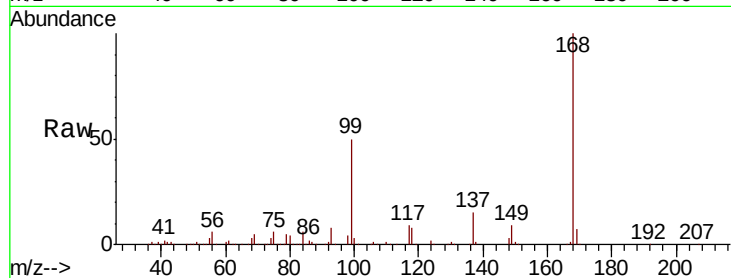
T11-MW-1-8.0-122018

Tot Ion:168 Resp: 1365152

Ion Ratio Lower Upper

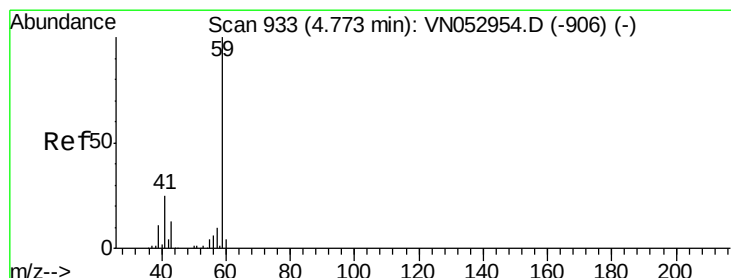
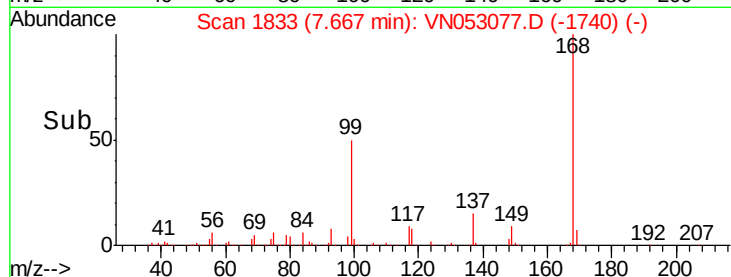
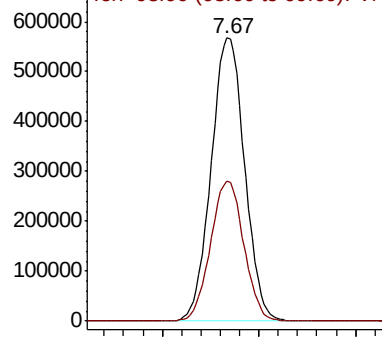
168 100

99 49.5 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#11

Tert butyl alcohol

Concen: 12.265 ug/l

RT: 4.78 min Scan# 935

Delta R.T. 0.01 min

Lab File: VN053077.D

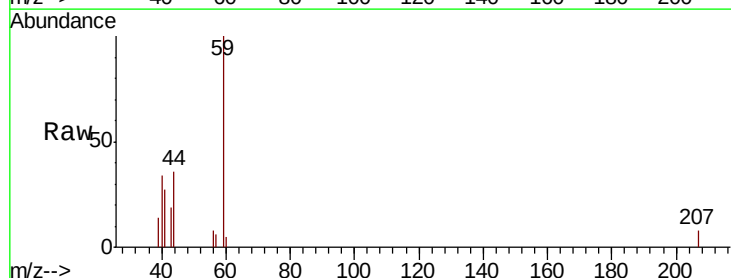
Acq: 21 Dec 2018 1:15

Tgt Ion: 59 Resp: 10368

Ion Ratio Lower Upper

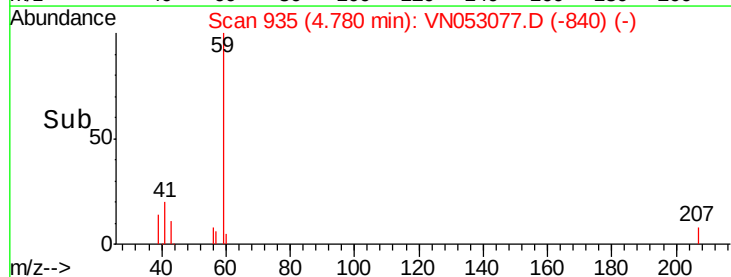
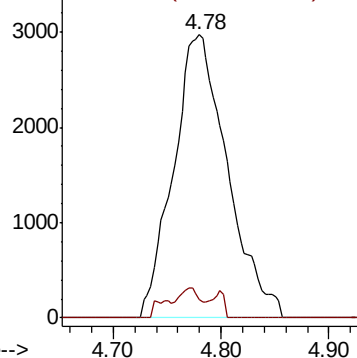
59 100

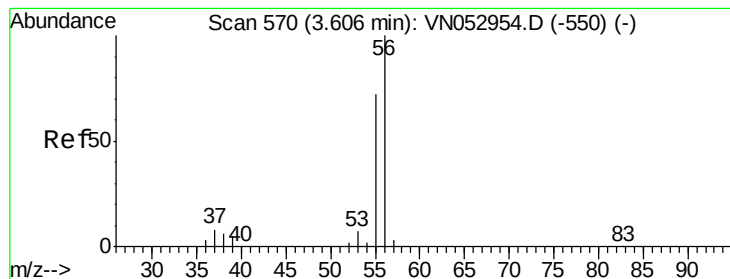
57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0





#13

Acrolein

Concen: 0.491 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN053077.D

Acq: 21 Dec 2018 1:15

Instrument :

MSVOA_N

ClientSampleId :

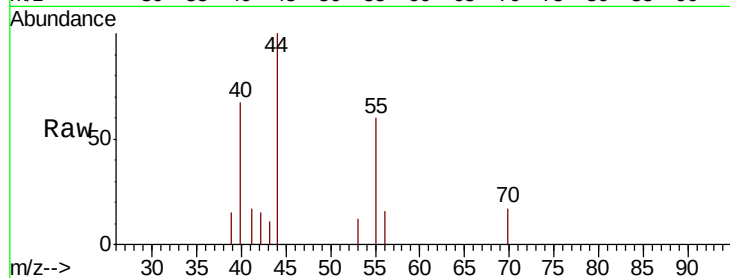
T11-MW-1-8.0-122018

Tot Ion: 56 Resp: 376

Ion Ratio Lower Upper

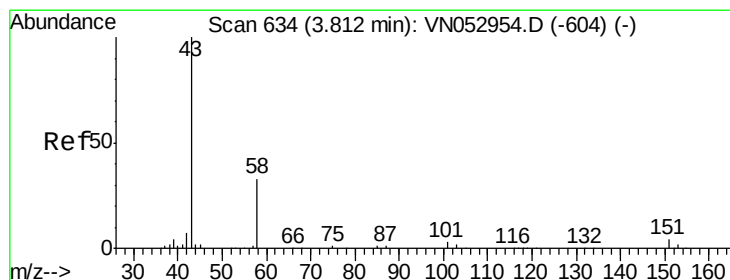
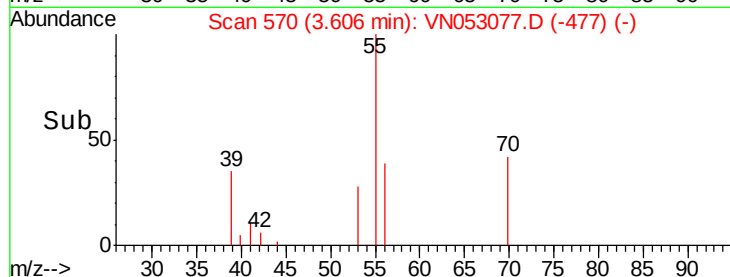
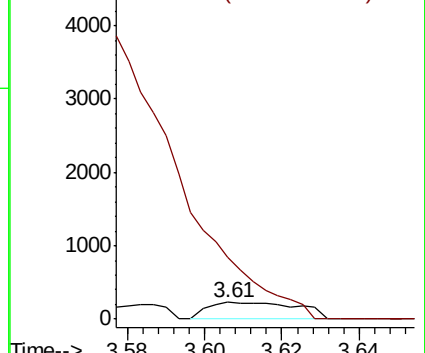
56 100

55 0.0 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#16

Acetone

Concen: 10.498 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN053077.D

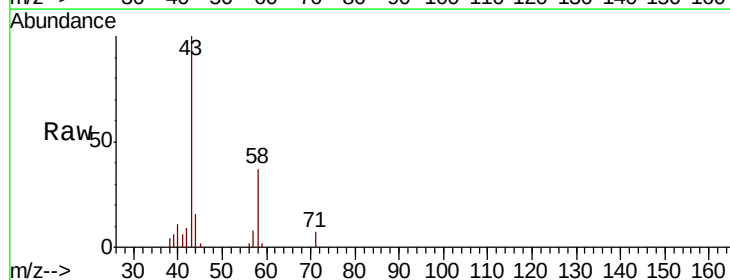
Acq: 21 Dec 2018 1:15

Tgt Ion: 43 Resp: 28516

Ion Ratio Lower Upper

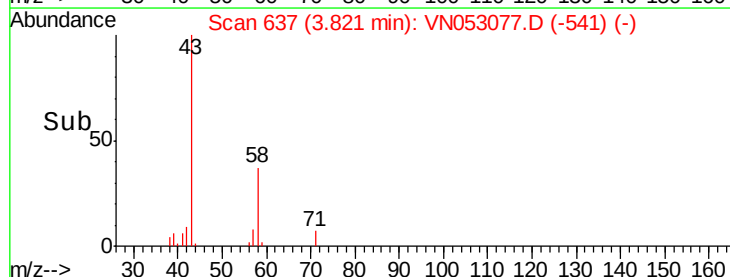
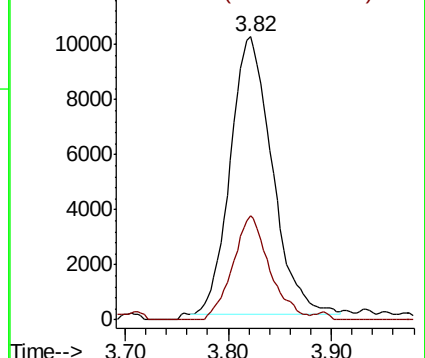
43 100

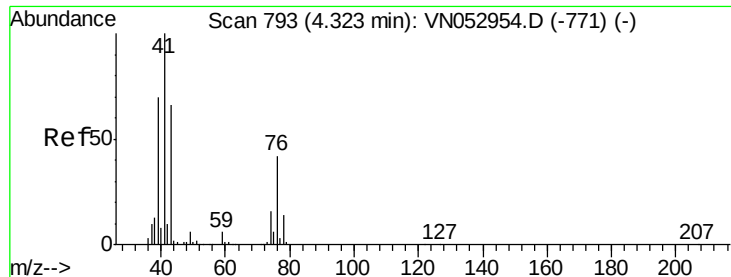
58 37.5 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

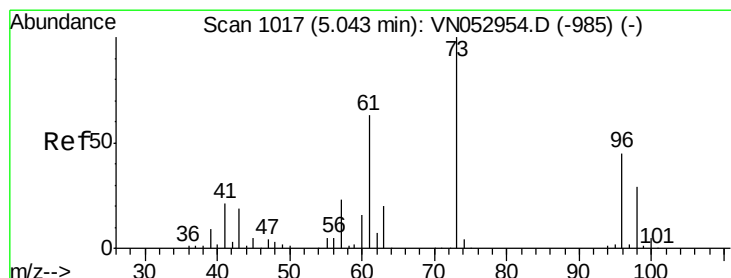
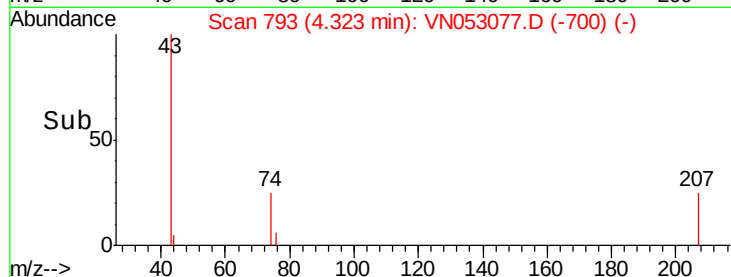
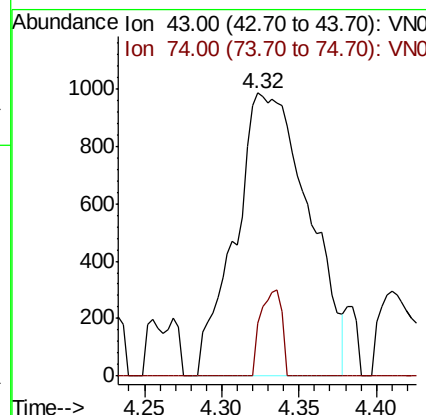
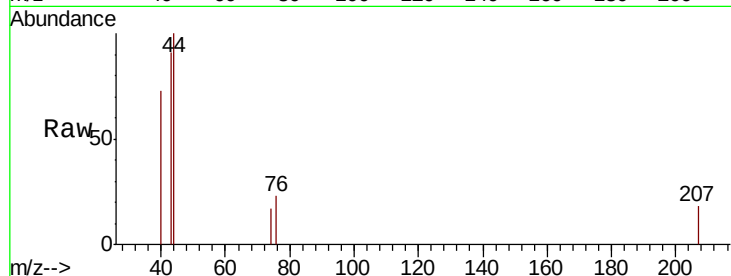




#18
Methyl Acetate
Concen: 1.250 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN053077.D
Acq: 21 Dec 2018 1:15

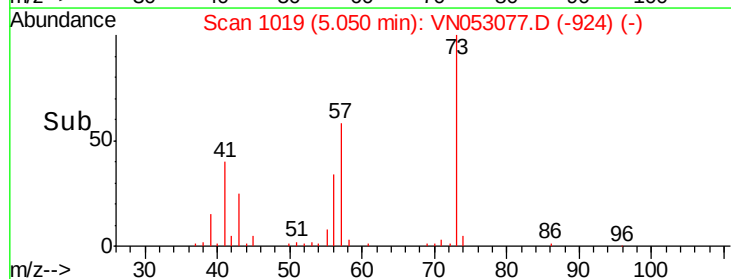
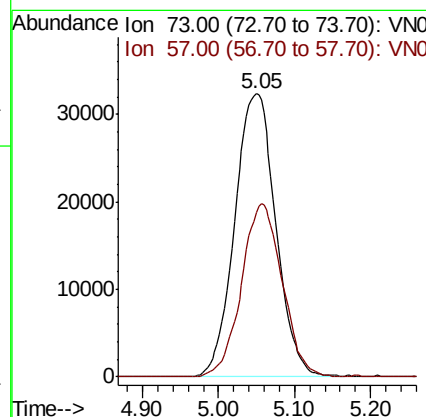
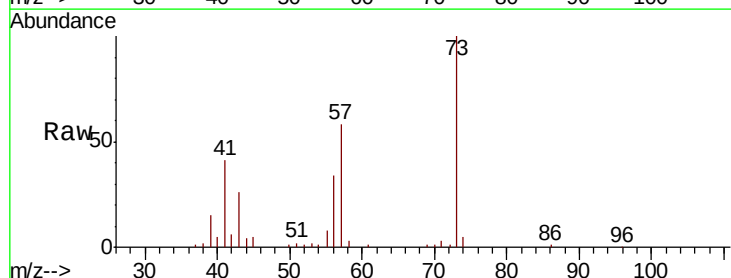
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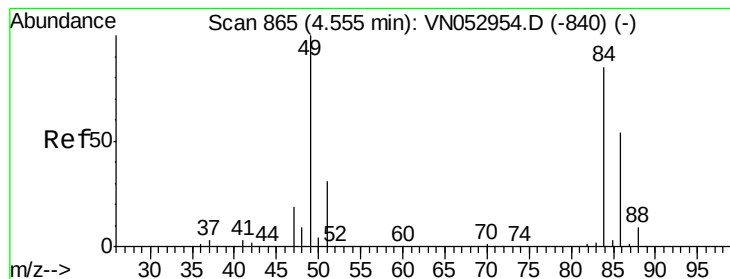
Tot Ion: 43 Resp: 3247
Ion Ratio Lower Upper
43 100
74 9.0 19.2 28.8#



#19
Methyl tert-butyl Ether
Concen: 3.489 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.01 min
Lab File: VN053077.D
Acq: 21 Dec 2018 1:15

Tgt Ion: 73 Resp: 121476
Ion Ratio Lower Upper
73 100
57 58.1 18.4 27.6#





#20

Methvlene Chloride

Concen: 0.221 ug/l

RT: 4.55 min Scan# 865

Delta R.T. -0.00 min

Lab File: VN053077.D

Acq: 21 Dec 2018 1:15

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-1-8.0-122018

Tot Ion: 84 Resp: 3279

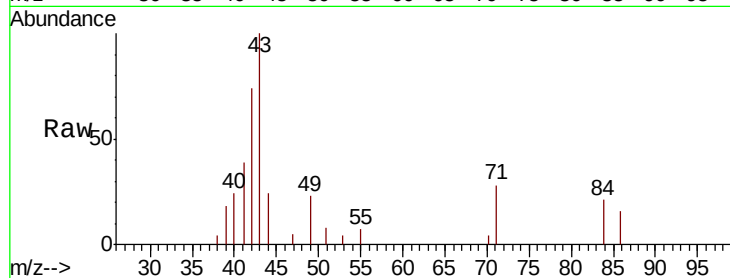
Ion Ratio Lower Upper

84 100

49 109.0 96.8 145.2

51 38.2 29.9 44.9

86 76.0 51.8 77.6



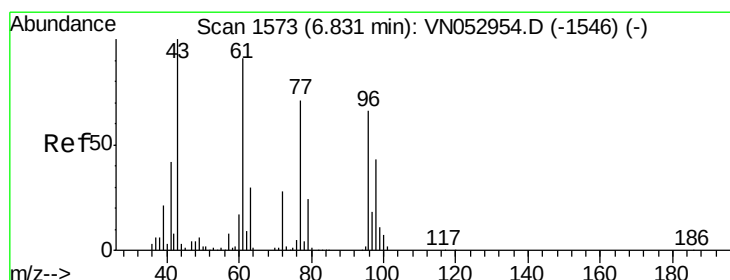
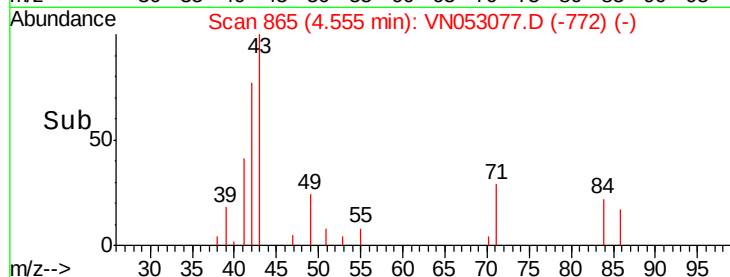
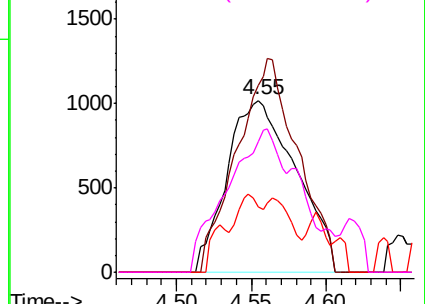
Abundance

Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#25

2-Butanone

Concen: 0.514 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.01 min

Lab File: VN053077.D

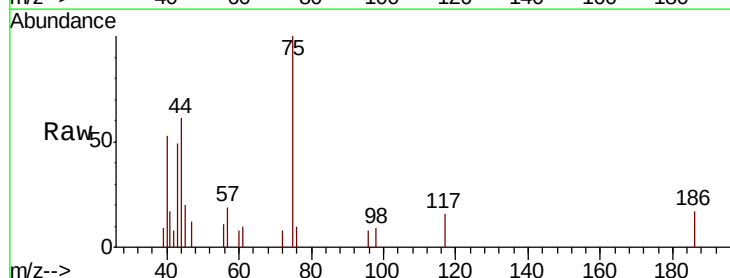
Acq: 21 Dec 2018 1:15

Tgt Ion: 43 Resp: 2342

Ion Ratio Lower Upper

43 100

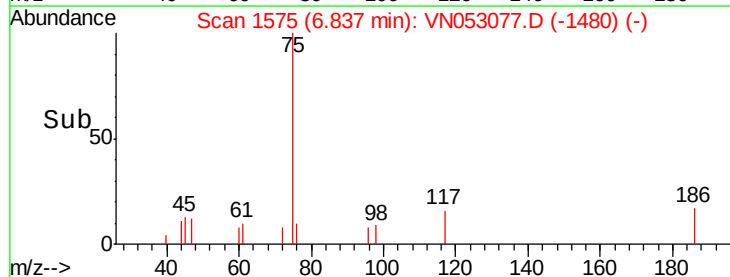
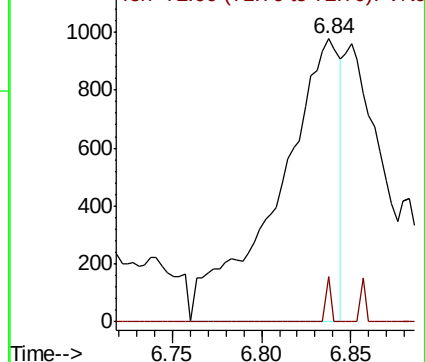
72 16.1 21.0 31.6#

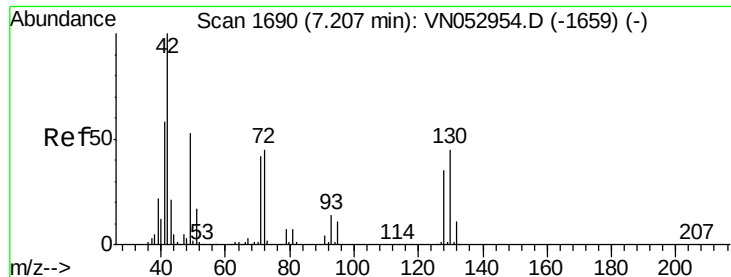


Abundance

Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

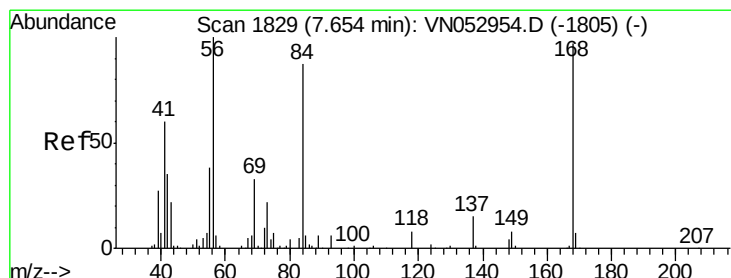
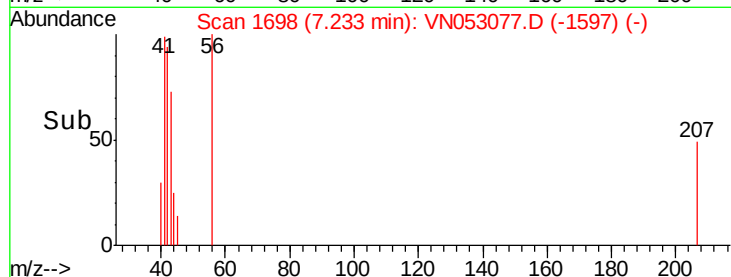
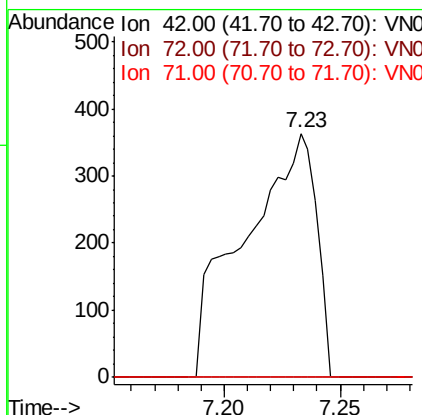
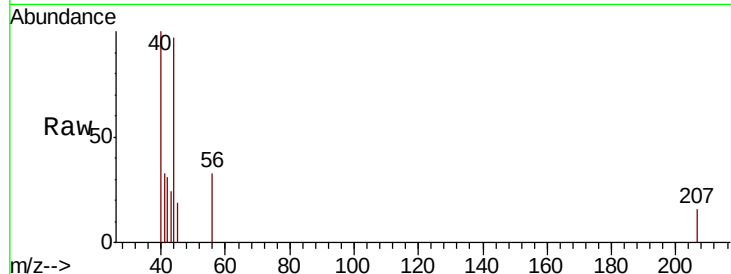




#29
Tetrahydrofuran
Concen: 0.230 ug/l
RT: 7.23 min Scan# 1698
Delta R.T. 0.03 min
Lab File: VN053077.D
Acq: 21 Dec 2018 1:15

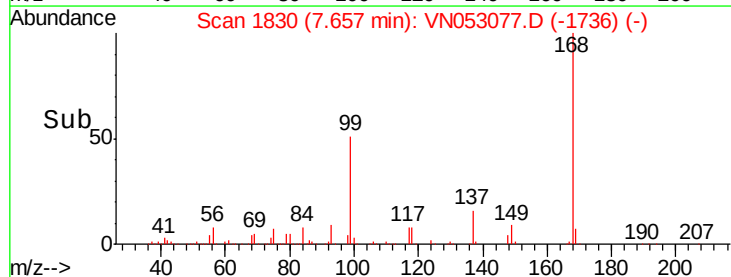
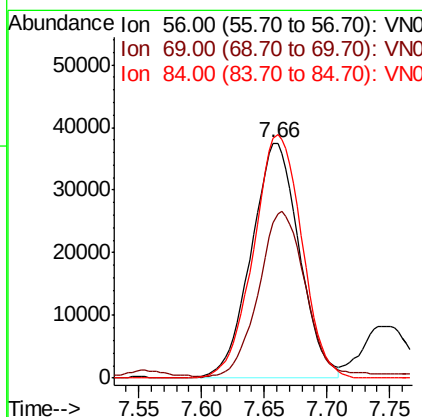
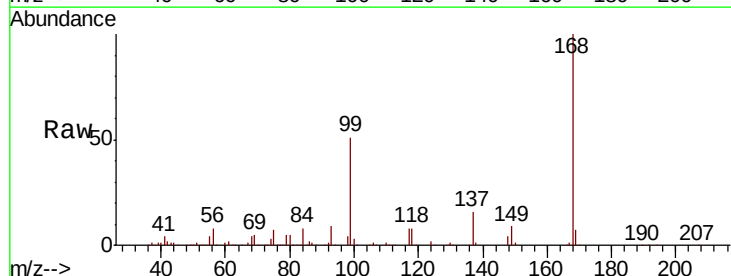
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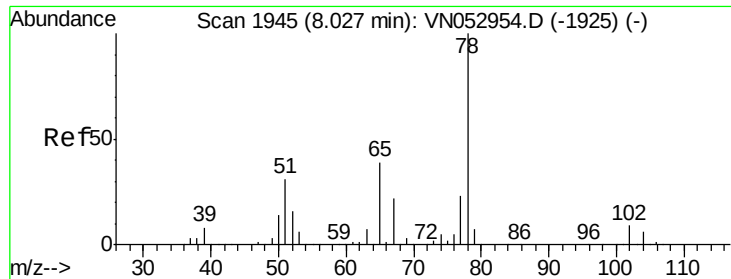
Tot Ion: 42 Resp: 783
Ion Ratio Lower Upper
42 100
72 0.0 34.7 52.1#
71 0.0 32.3 48.5#



#31
Cyclohexane
Concen: 3.187 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN053077.D
Acq: 21 Dec 2018 1:15

Tgt Ion: 56 Resp: 100010
Ion Ratio Lower Upper
56 100
69 65.2 26.6 39.8#
84 102.2 68.4 102.6

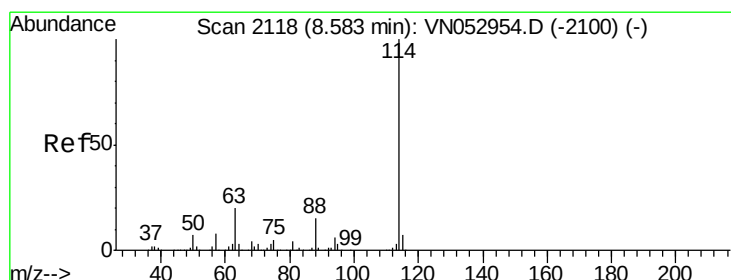
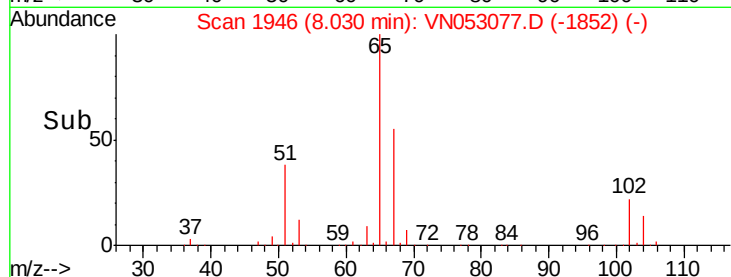
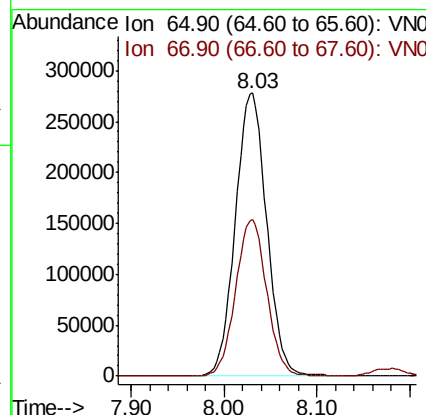
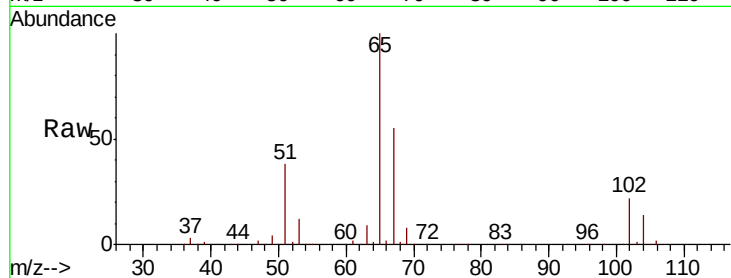




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN053077.D
 Acq: 21 Dec 2018 1:15

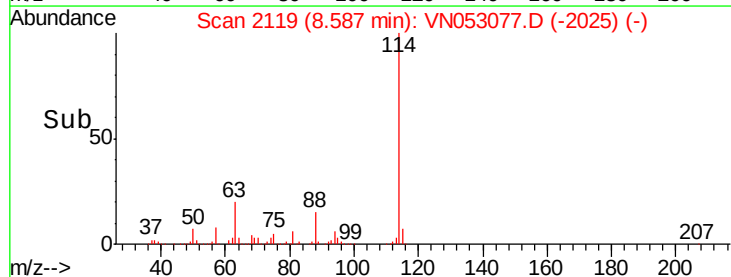
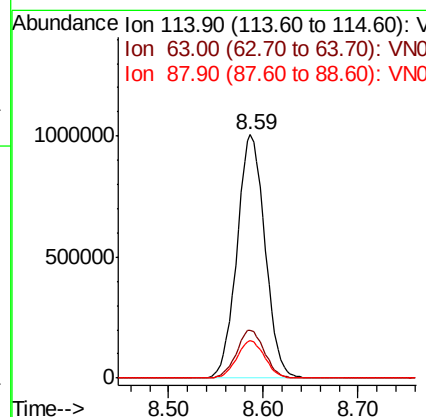
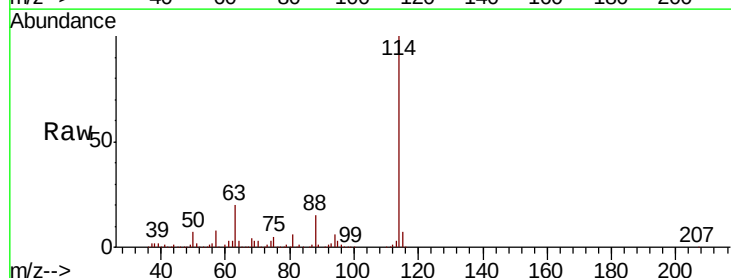
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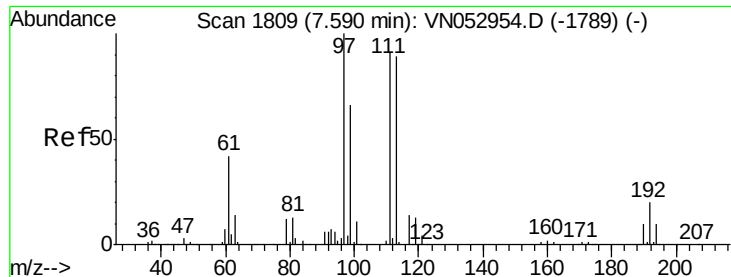
Tot Ion: 65 Resp: 651227
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053077.D
 Acq: 21 Dec 2018 1:15

Tgt Ion: 114 Resp: 2064538
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 39.8
 88 15.4 0.0 31.0

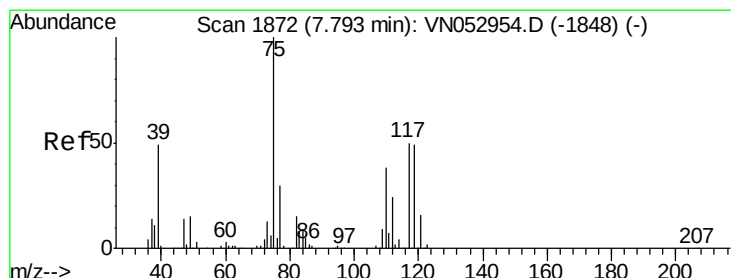
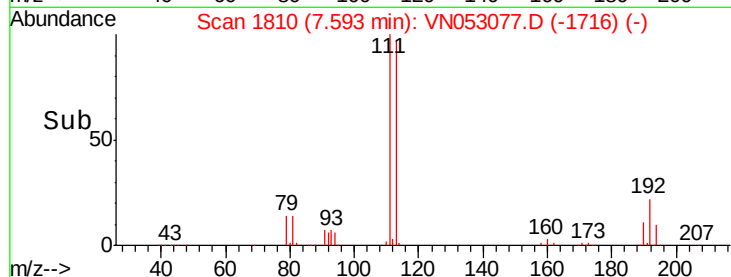
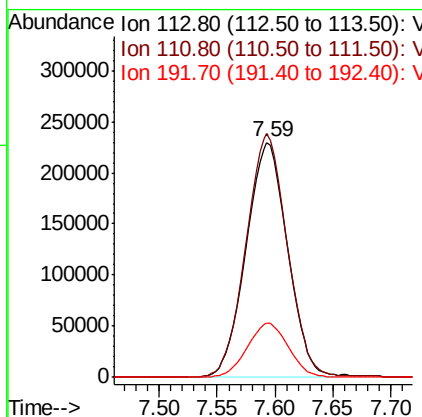
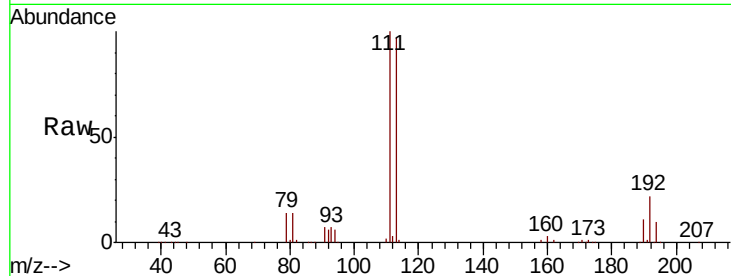




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053077.D
 Acq: 21 Dec 2018 1:15

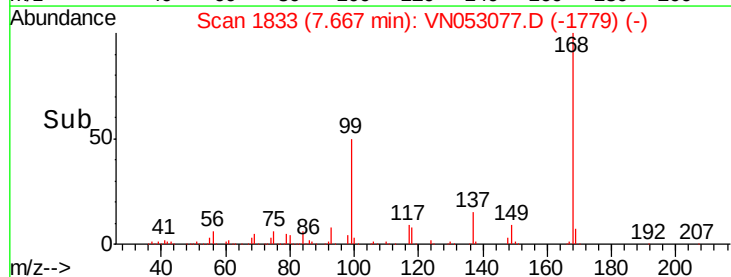
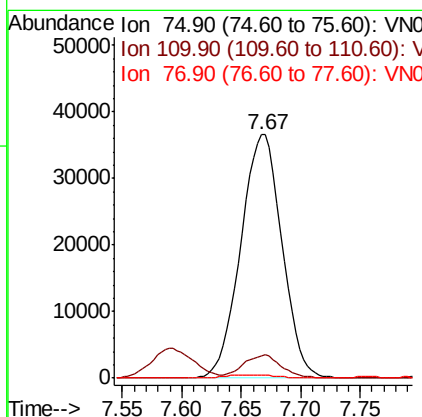
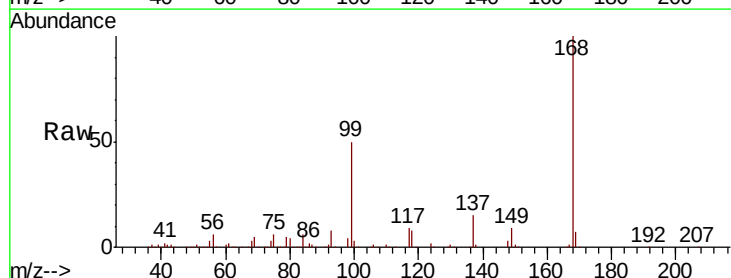
Instrument :
 MSVOA_N
 ClientSampleId :
 T11-MW-1-8.0-122018

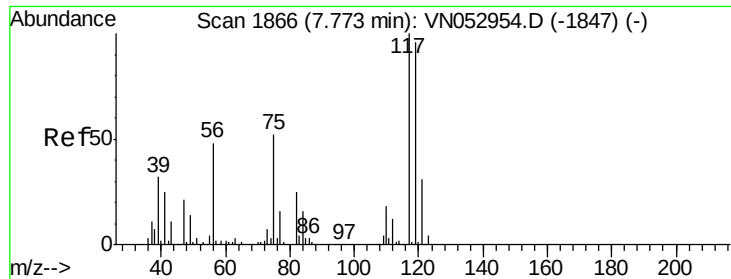
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.7	83.0	124.4
192	22.8	17.5	26.3



#36
 1,1-Dichloropropene
 Concen: 4.432 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN053077.D
 Acq: 21 Dec 2018 1:15

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.8	18.2	54.6#
77	1.0	24.9	37.3#





#38

Carbon Tetrachloride

Concen: 6.387 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN053077.D

Acq: 21 Dec 2018 1:15

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-1-8.0-122018

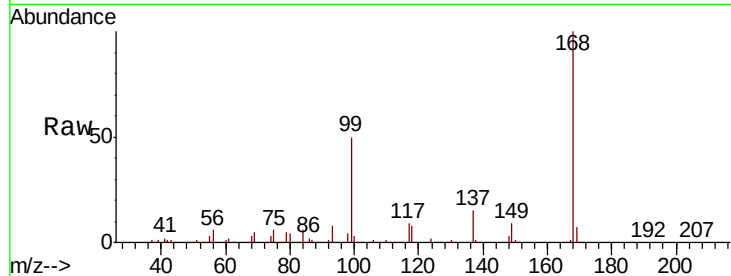
Tot Ion:117 Resp: 116011

Ion Ratio Lower Upper

117 100

119 5.0 77.1 115.7#

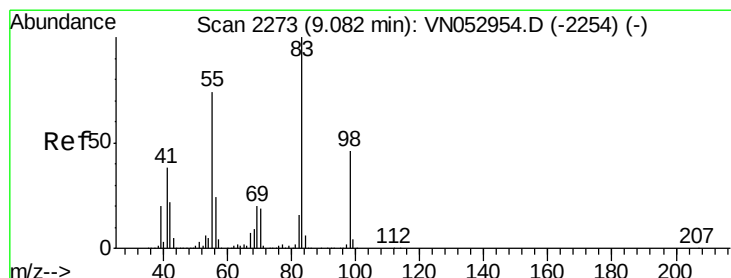
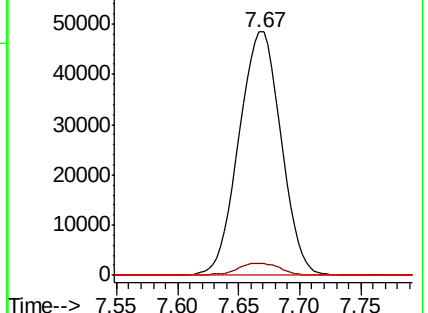
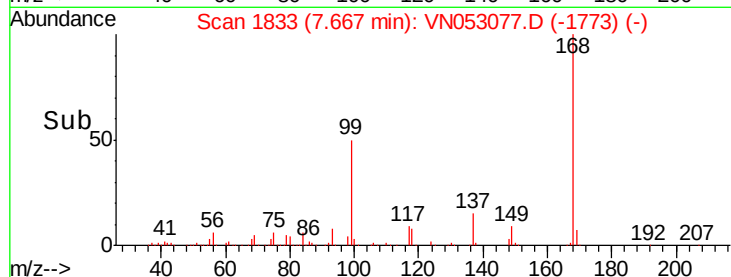
121 0.0 24.9 37.3#



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: 4.053 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VN053077.D

Acq: 21 Dec 2018 1:15

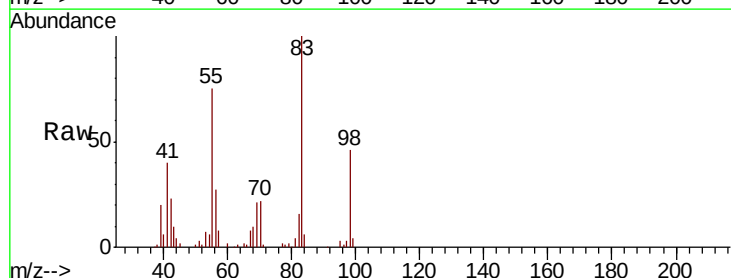
Tgt Ion: 83 Resp: 97562

Ion Ratio Lower Upper

83 100

55 74.7 61.3 91.9

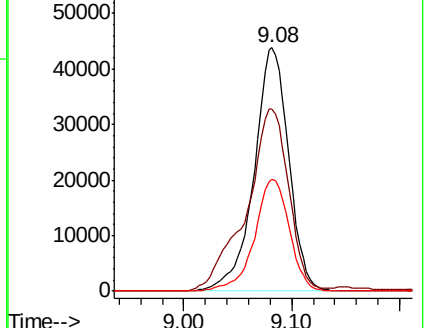
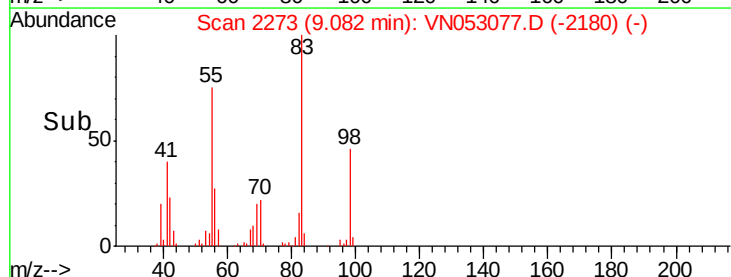
98 46.0 37.0 55.4

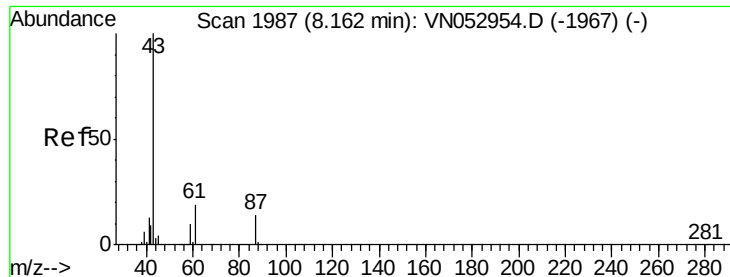


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 98.00 (97.70 to 98.70): V





#43

Isopropyl Acetate

Concen: Below Cal

RT: 8.15 min Scan# 1983

Delta R.T. -0.01 min

Lab File: VN053077.D

Acq: 21 Dec 2018 1:15

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-1-8.0-122018

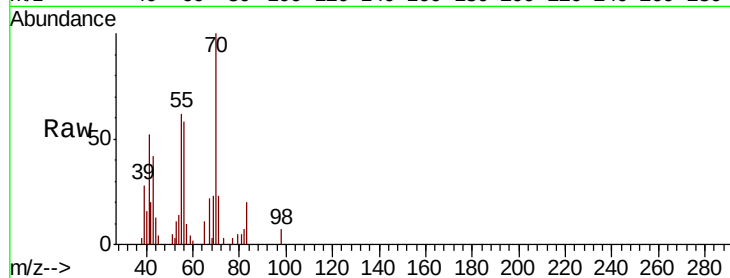
Tot Ion: 43 Resp: 5857

Ion Ratio Lower Upper

43 100

61 0.0 22.9 34.3#

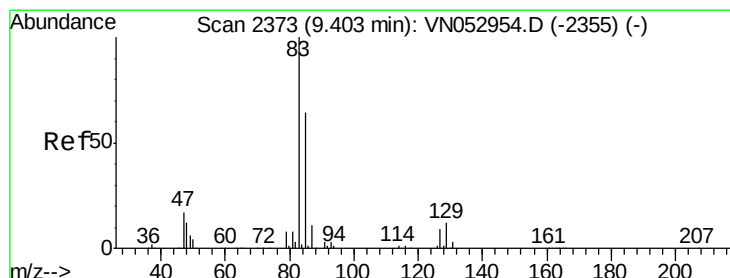
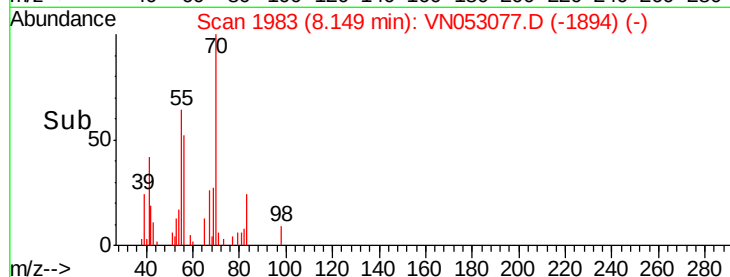
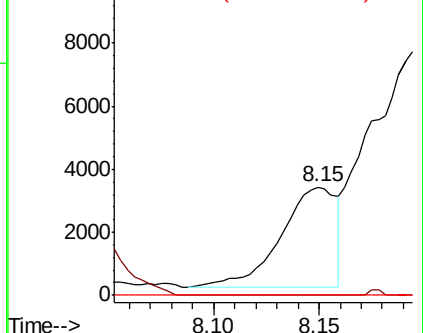
87 0.0 10.6 15.8#



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: 0.230 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. -0.01 min

Lab File: VN053077.D

Acq: 21 Dec 2018 1:15

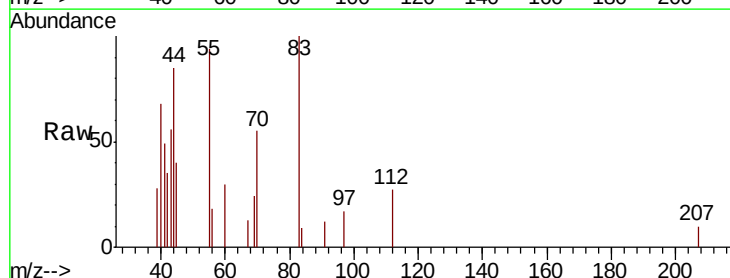
Tgt Ion: 83 Resp: 4373

Ion Ratio Lower Upper

83 100

85 0.0 51.6 77.4#

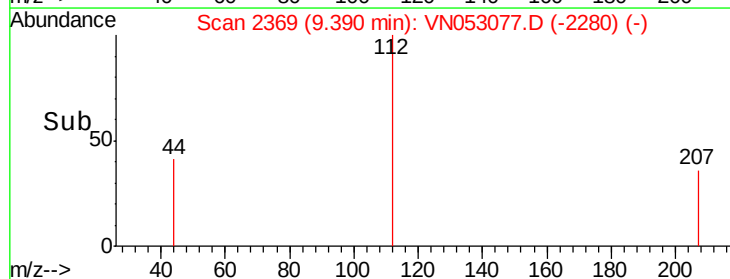
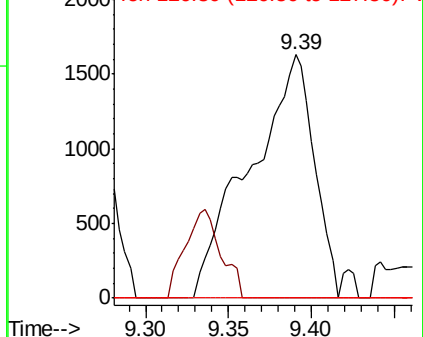
127 0.0 7.1 10.7#

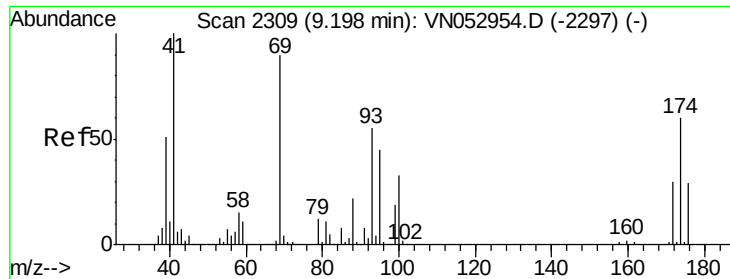


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V

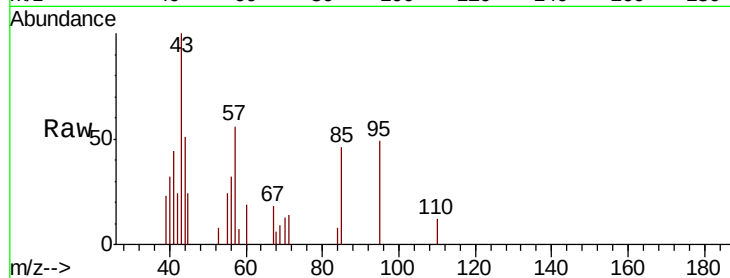




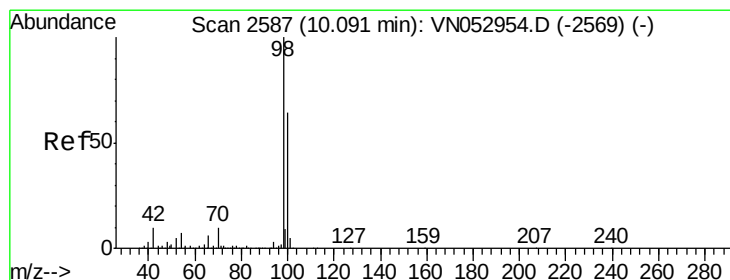
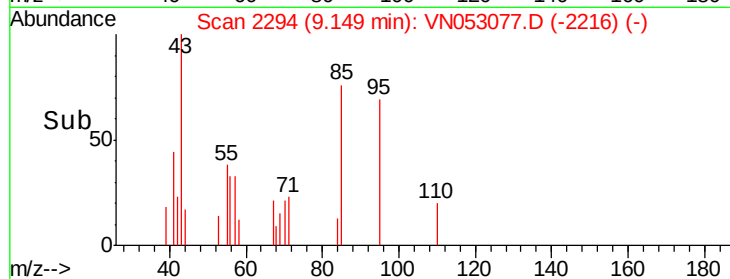
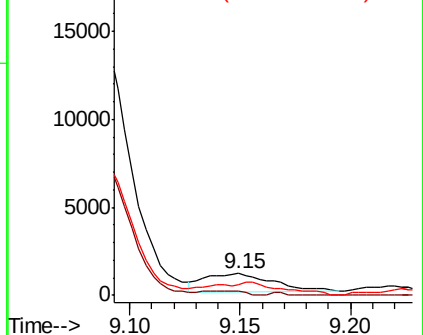
#48
Methvl methacrylate
Concen: 0.212 ug/l
RT: 9.15 min Scan# 2294
Delta R.T. -0.05 min
Lab File: VN053077.D
Acq: 21 Dec 2018 1:15

Instrument :
MSVOA_N
ClientSampleId :
T11-MW-1-8.0-122018

Tot Ion: 41 Resp: 2277
Ion Ratio Lower Upper
41 100
69 0.0 72.2 108.2#
39 69.4 41.9 62.9#

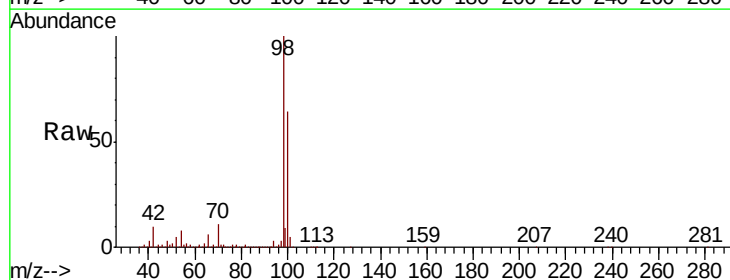


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 39.00 (38.70 to 39.70): VNC

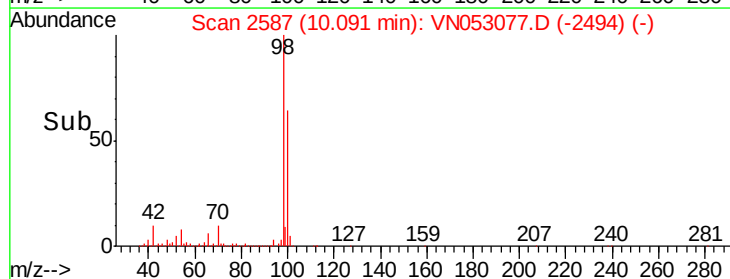
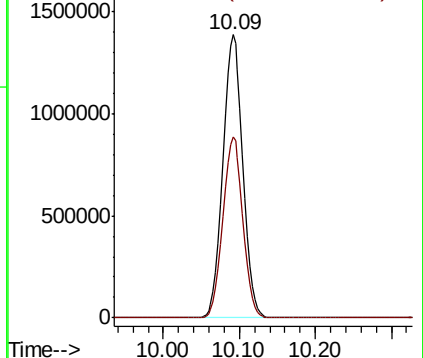


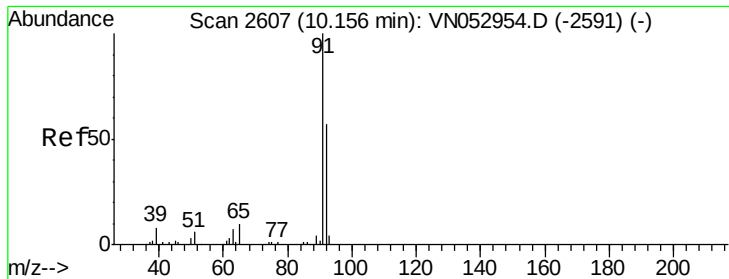
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN053077.D
Acq: 21 Dec 2018 1:15

Tgt Ion: 98 Resp: 2526493
Ion Ratio Lower Upper
98 100
100 64.0 51.6 77.4



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





#52

Toluene

Concen: 0.241 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN053077.D

Acq: 21 Dec 2018 1:15

Instrument :

MSVOA_N

ClientSampleId :

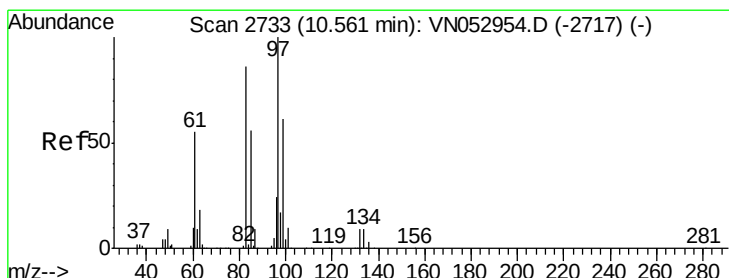
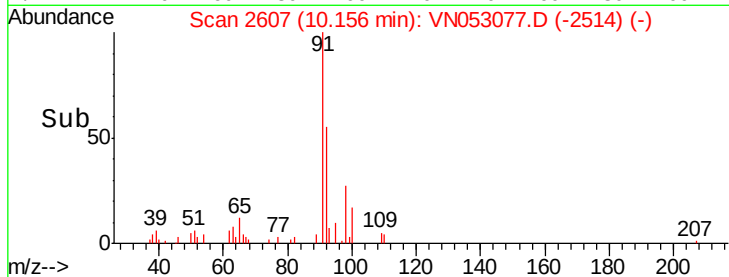
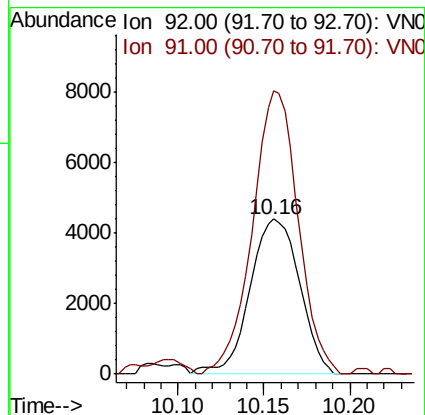
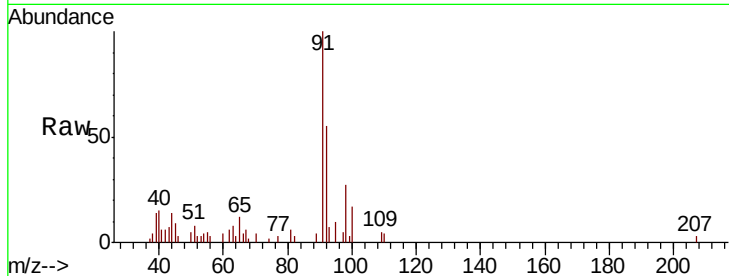
T11-MW-1-8.0-122018

Tot Ion: 92 Resp: 8817

Ion Ratio Lower Upper

92 100

91 168.3 139.8 209.6



#55

1,1,2-Trichloroethane

Concen: 1.248 ug/l

RT: 10.53 min Scan# 2724

Delta R.T. -0.03 min

Lab File: VN053077.D

Acq: 21 Dec 2018 1:15

Tgt Ion: 97 Resp: 15911

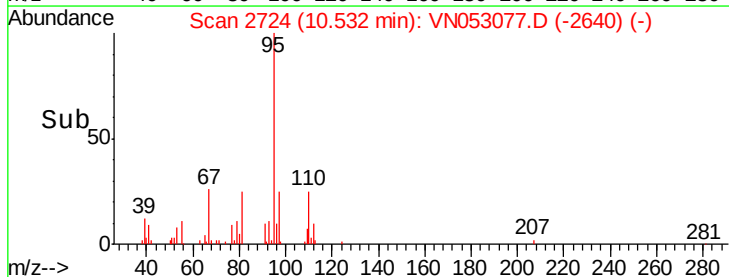
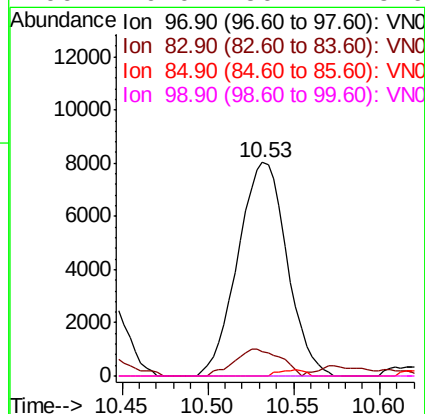
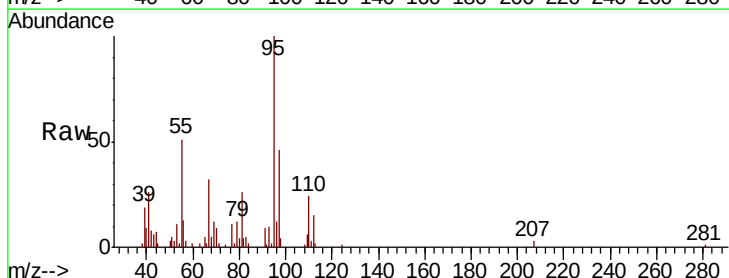
Ion Ratio Lower Upper

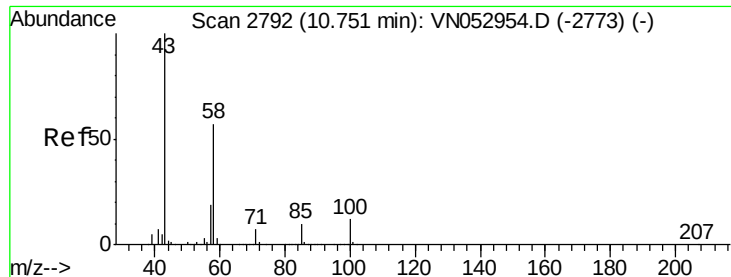
97 100

83 11.4 70.9 106.3#

85 0.0 45.4 68.2#

99 0.0 50.4 75.6#

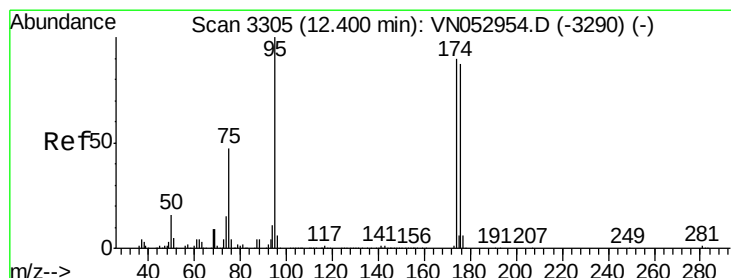
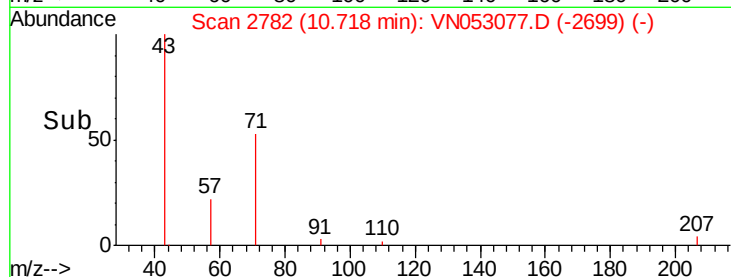
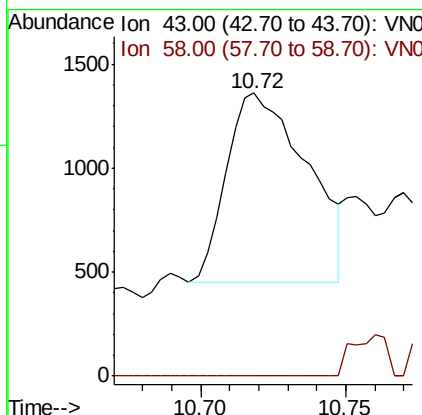
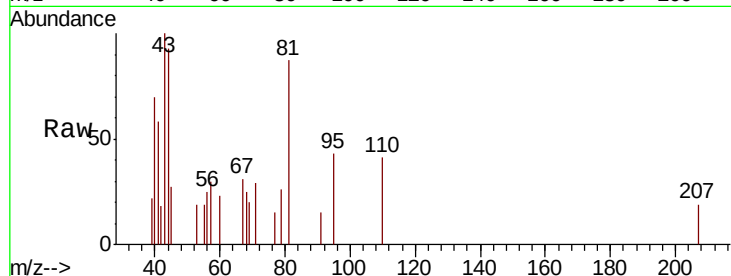




#59
2-Hexanone
Concen: 0.242 ug/l
RT: 10.72 min Scan# 2782
Delta R.T. -0.03 min
Lab File: VN053077.D
Acq: 21 Dec 2018 1:15

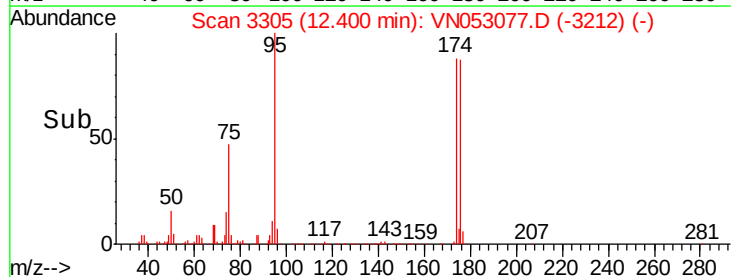
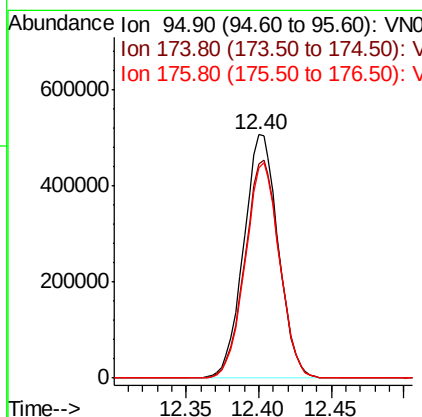
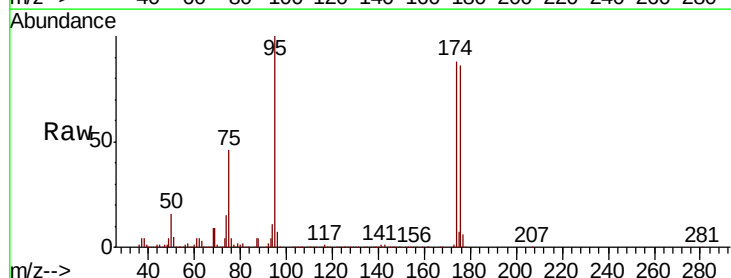
Instrument :
MSVOA_N
ClientSampleId :
T11-MW-1-8.0-122018

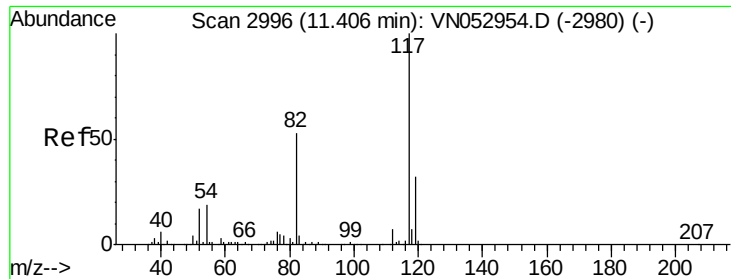
Tot Ion: 43 Resp: 1751
Ion Ratio Lower Upper
43 100
58 0.0 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN053077.D
Acq: 21 Dec 2018 1:15

Tgt Ion: 95 Resp: 837226
Ion Ratio Lower Upper
95 100
174 90.0 0.0 178.8
176 87.8 0.0 173.8

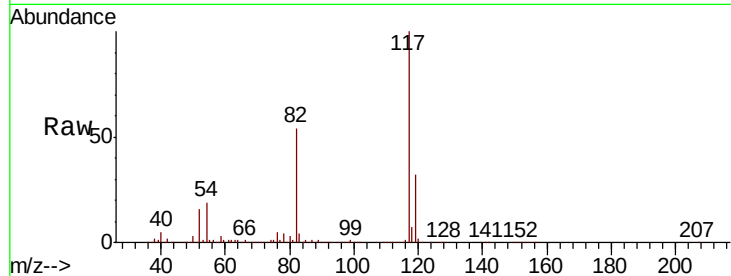




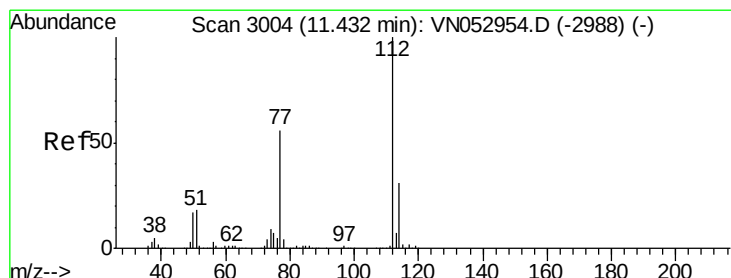
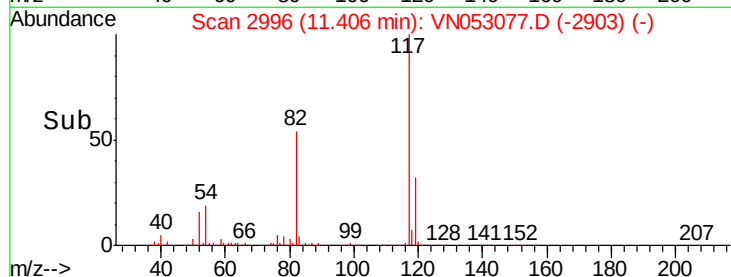
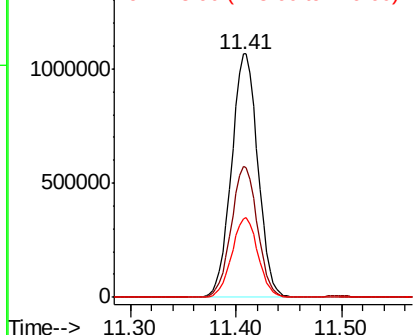
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053077.D
Acq: 21 Dec 2018 1:15

Instrument :
MSVOA_N
ClientSampleId :
T11-MW-1-8.0-122018

Tot Ion:117 Resp: 1838150
Ion Ratio Lower Upper
117 100
82 53.8 42.8 64.2
119 32.4 25.5 38.3

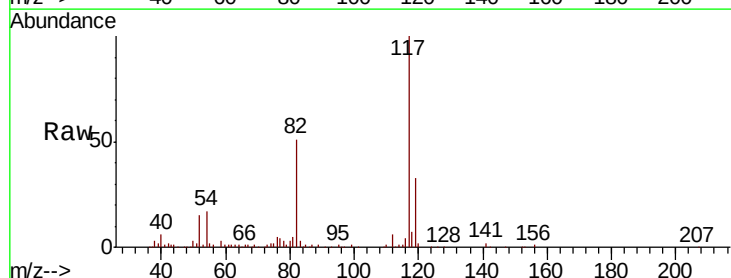


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

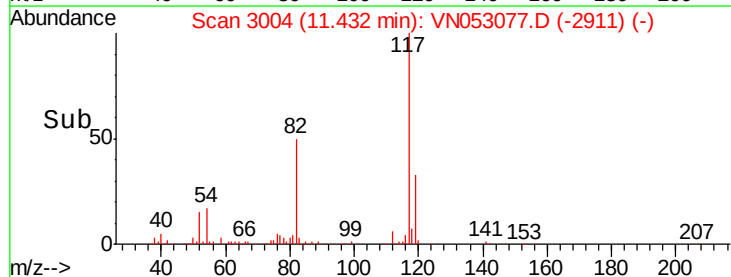
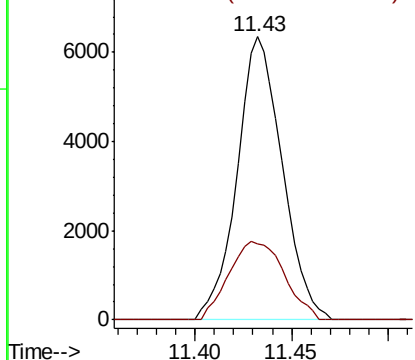


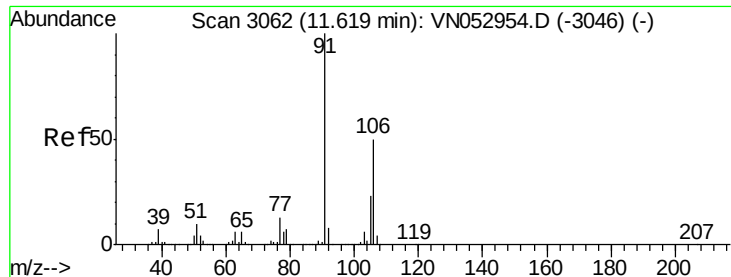
#65
Chlorobenzene
Concen: 0.253 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053077.D
Acq: 21 Dec 2018 1:15

Tgt Ion:112 Resp: 10305
Ion Ratio Lower Upper
112 100
114 27.1 25.5 38.3



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





#68

m/p-Xylenes

Concen: 0.687 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN053077.D

Acq: 21 Dec 2018 1:15

Instrument :

MSVOA_N

ClientSampleId :

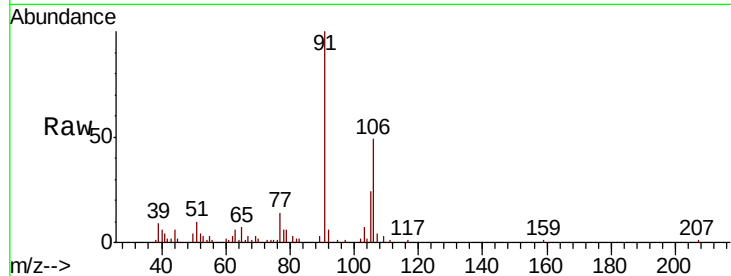
T11-MW-1-8.0-122018

Tot Ion:106 Resp: 18300

Ion Ratio Lower Upper

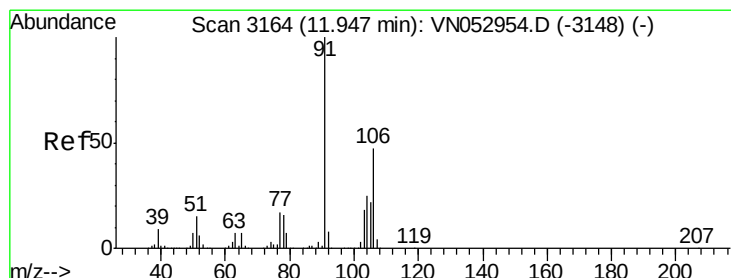
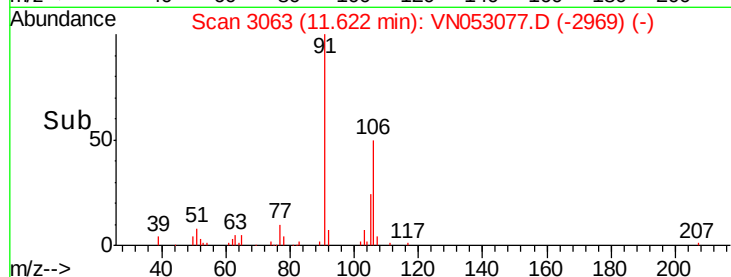
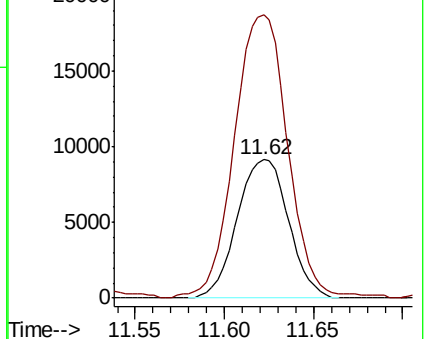
106 100

91 213.3 162.2 243.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#69

o-Xylene

Concen: 0.243 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN053077.D

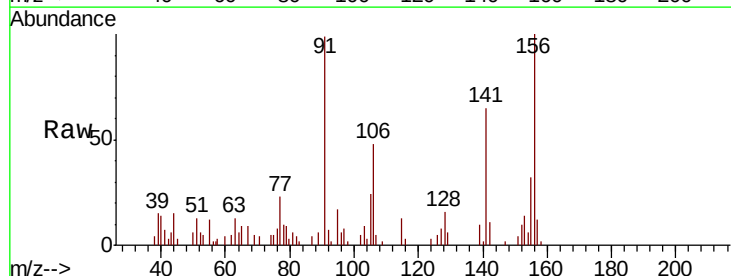
Acq: 21 Dec 2018 1:15

Tgt Ion:106 Resp: 6200

Ion Ratio Lower Upper

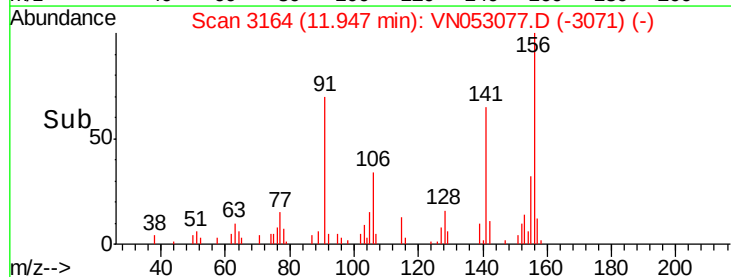
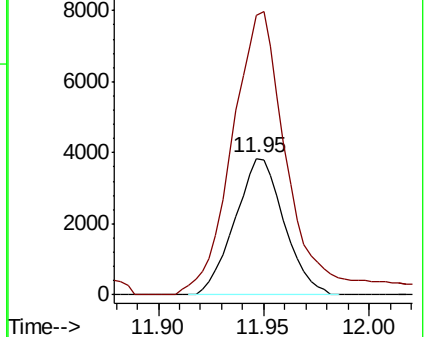
106 100

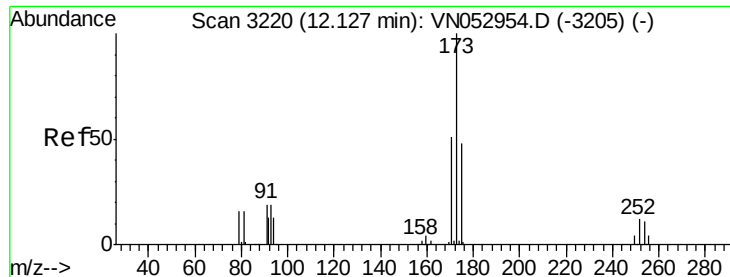
91 237.4 106.6 319.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





#71

Bromoform

Concen: 0.479 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN053077.D

Acq: 21 Dec 2018 1:15

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-1-8.0-122018

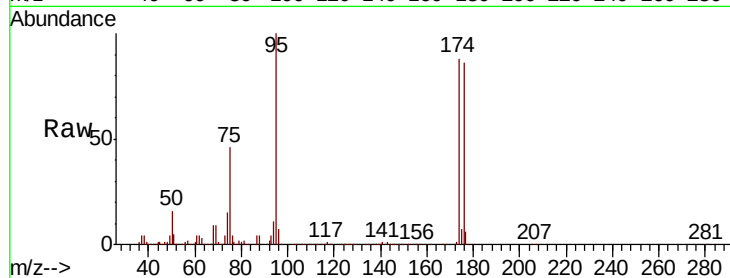
Tot Ion:173 Resp: 4899

Ion Ratio Lower Upper

173 100

175 978.3 24.3 72.9#

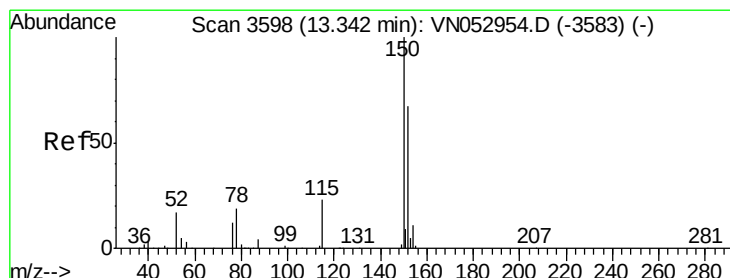
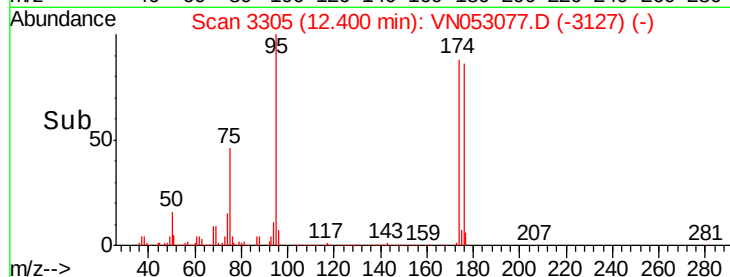
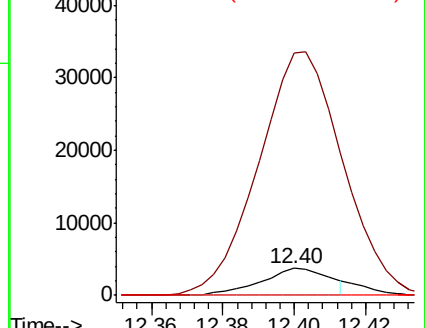
254 0.0 0.1 0.1#



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: VN053077.D

Acq: 21 Dec 2018 1:15

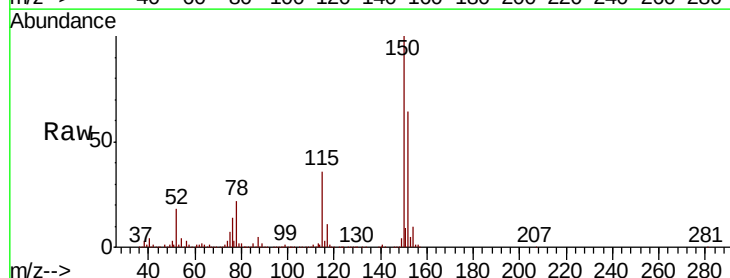
Tgt Ion:152 Resp: 769810

Ion Ratio Lower Upper

152 100

115 56.4 28.3 85.0

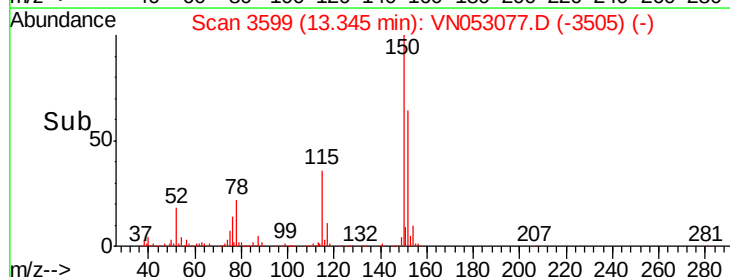
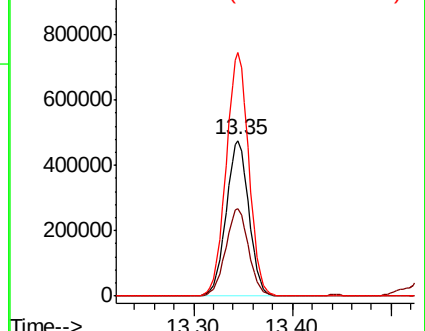
150 155.8 0.0 347.8

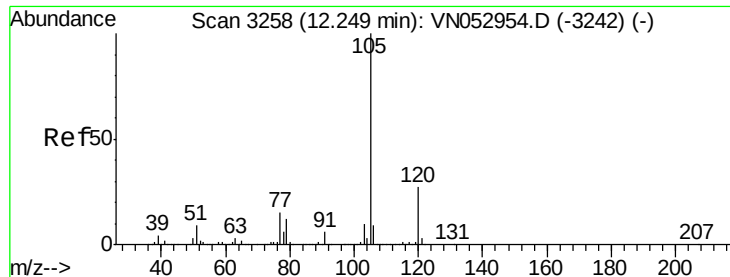


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 0.523 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053077.D

Acq: 21 Dec 2018 1:15

Instrument :

MSVOA_N

ClientSampleId :

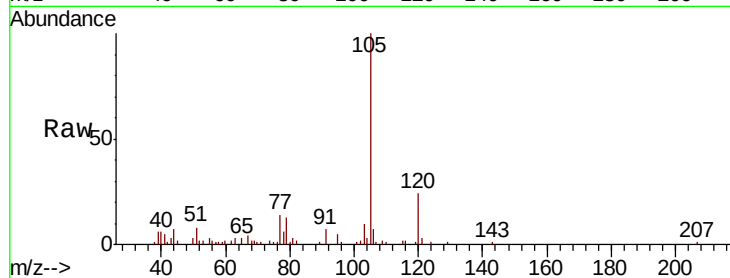
T11-MW-1-8.0-122018

Tot Ion:105 Resp: 31513

Ion Ratio Lower Upper

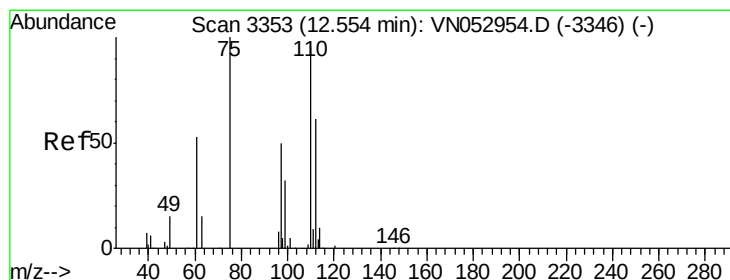
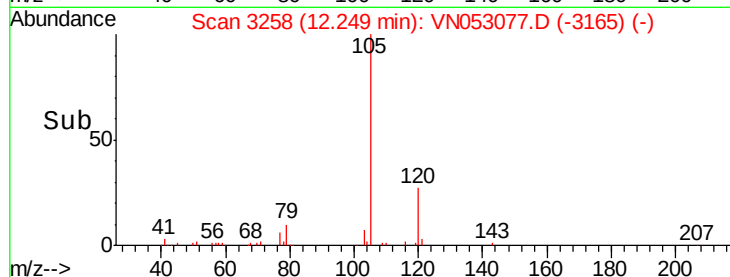
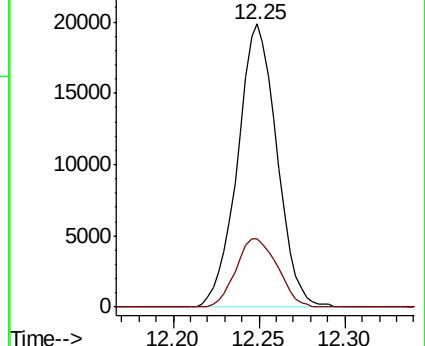
105 100

120 25.5 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: 29.931 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053077.D

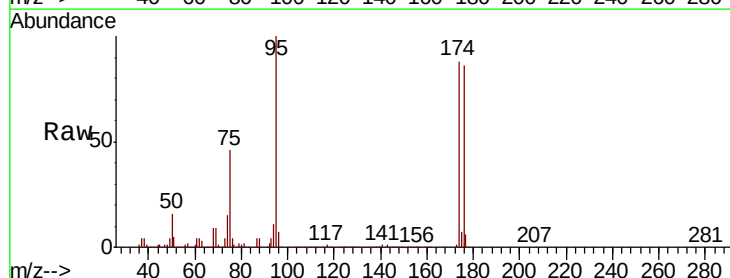
Acq: 21 Dec 2018 1:15

Tgt Ion: 75 Resp: 387880

Ion Ratio Lower Upper

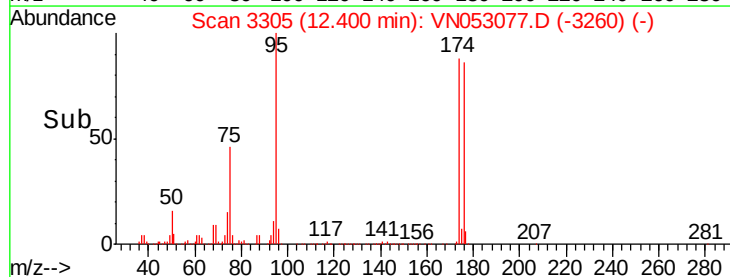
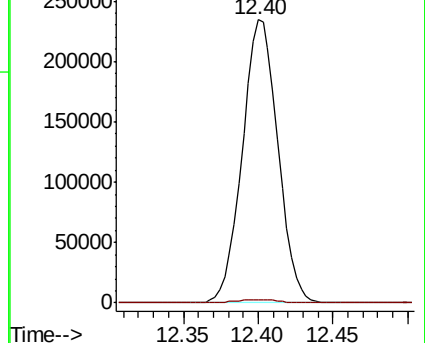
75 100

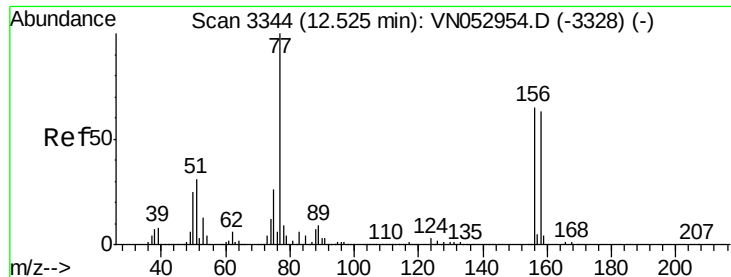
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 8.754 ug/l

RT: 12.56 min Scan# 3356

Delta R.T. 0.04 min

Lab File: VN053077.D

Acq: 21 Dec 2018 1:15

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-1-8.0-122018

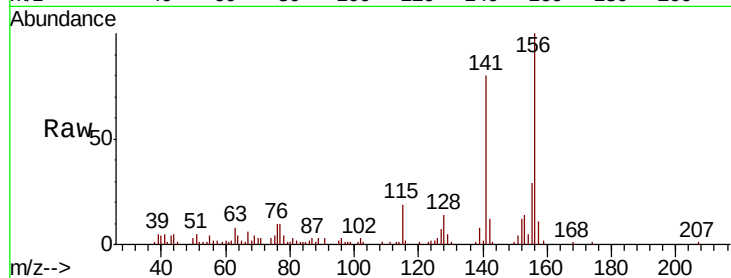
Tot Ion:156 Resp: 137052

Ion Ratio Lower Upper

156 100

77 4.6 91.3 273.8#

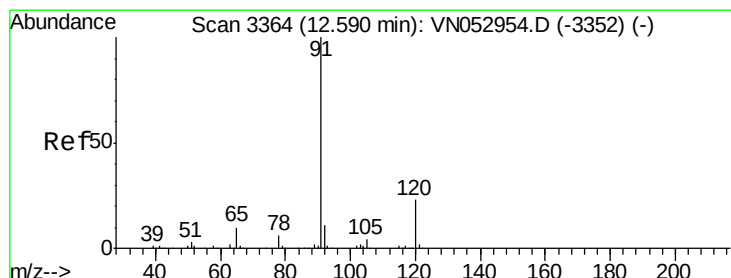
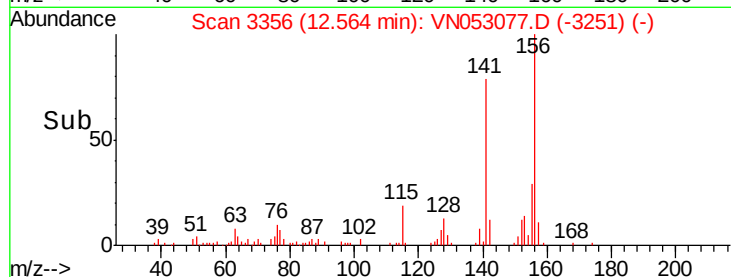
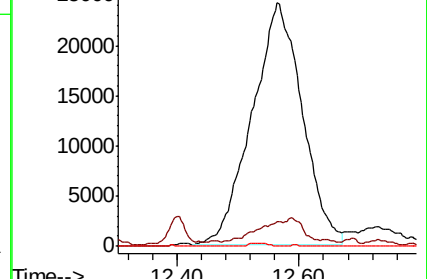
158 0.0 49.0 147.2#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 0.406 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN053077.D

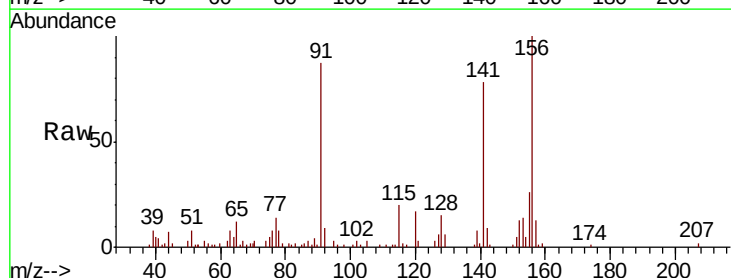
Acq: 21 Dec 2018 1:15

Tgt Ion: 91 Resp: 27865

Ion Ratio Lower Upper

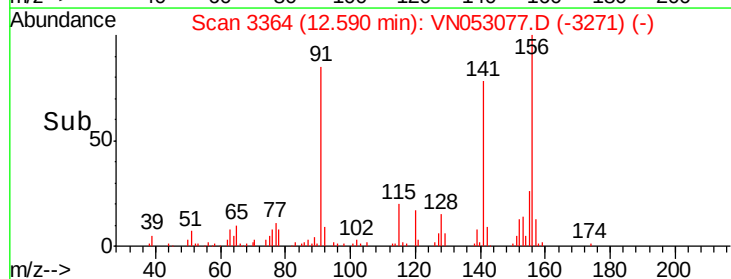
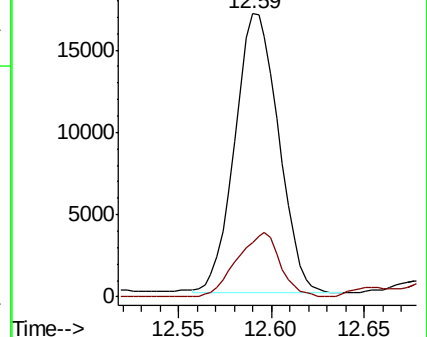
91 100

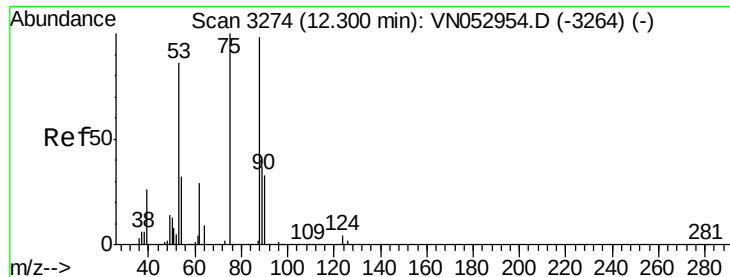
120 22.6 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 96.472 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053077.D

Acq: 21 Dec 2018 1:15

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-1-8.0-122018

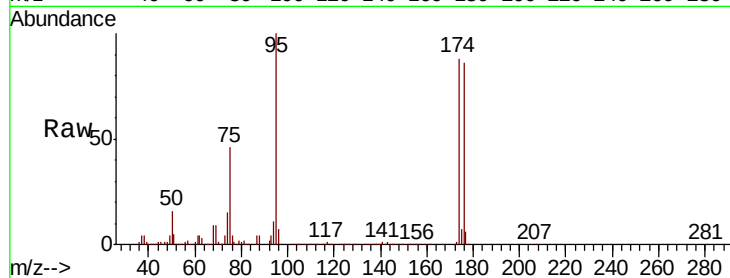
Tot Ion: 75 Resp: 387880

Ion Ratio Lower Upper

75 100

53 0.1 74.7 112.1#

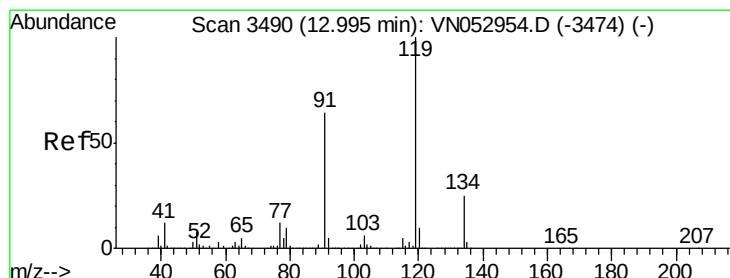
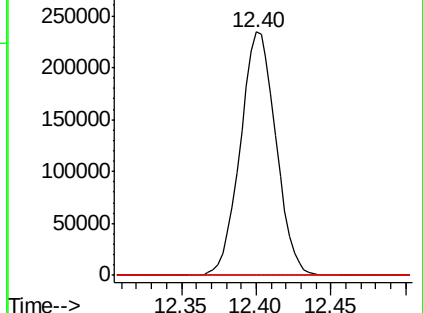
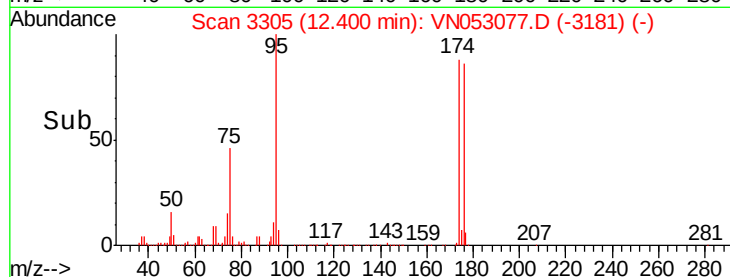
89 0.0 36.1 54.1#



Abundance Ion 74.90 (74.60 to 75.60): VN053077.D (-3181) (-)

Ion 53.00 (52.70 to 53.70): VN053077.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN053077.D (-3181) (-)



#83

tert-Butylbenzene

Concen: 0.559 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN053077.D

Acq: 21 Dec 2018 1:15

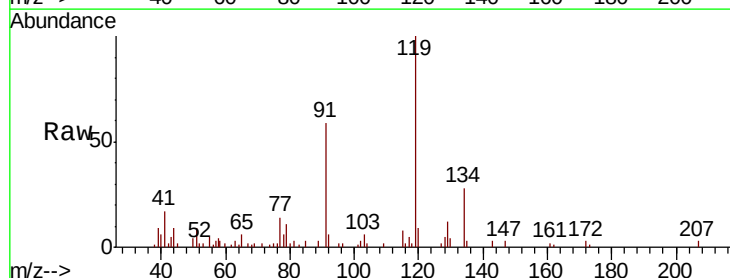
Tgt Ion: 119 Resp: 24252

Ion Ratio Lower Upper

119 100

91 59.6 31.9 95.5

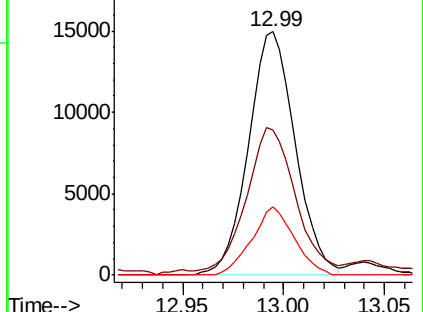
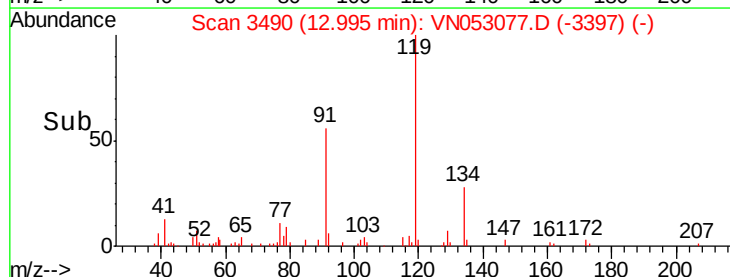
134 25.3 12.8 38.4

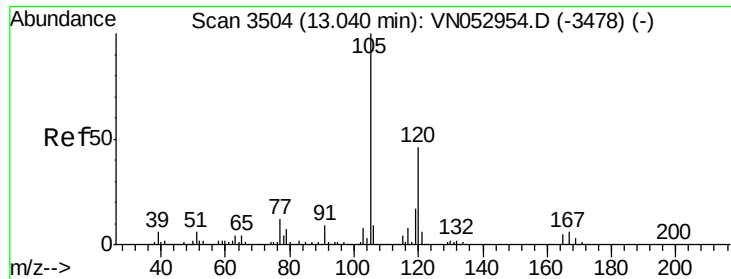


Abundance Ion 119.00 (118.70 to 119.70): VN053077.D (-3397) (-)

Ion 91.00 (90.70 to 91.70): VN053077.D (-3397) (-)

Ion 134.00 (133.70 to 134.70): VN053077.D (-3397) (-)

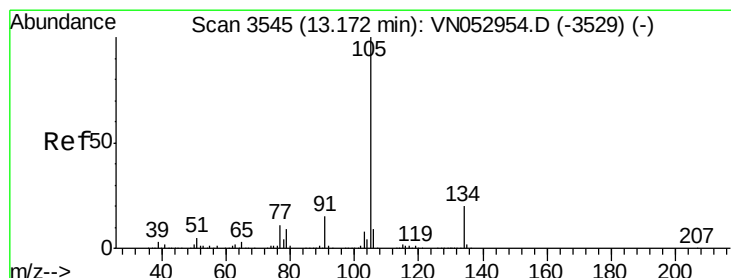
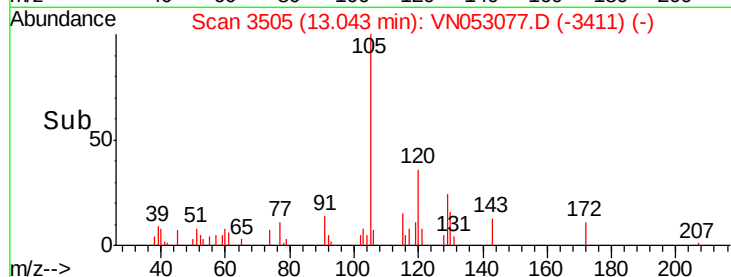
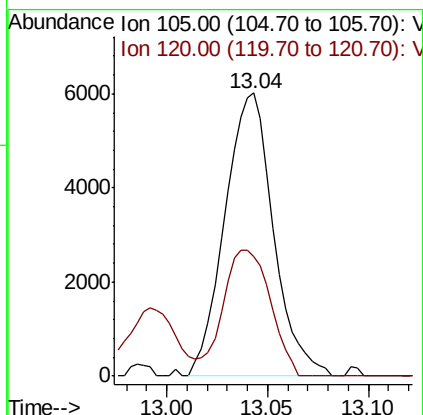
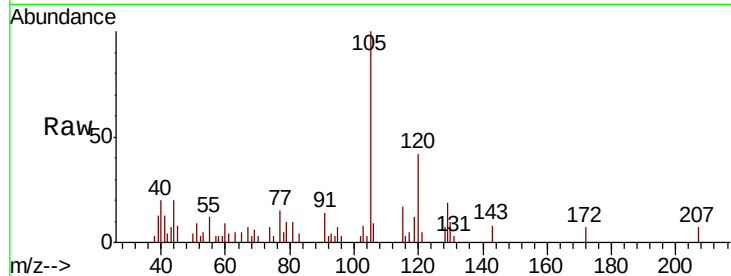




#84
 1,2,4-Trimethylbenzene
 Concen: 0.205 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN053077.D
 Acq: 21 Dec 2018 1:15

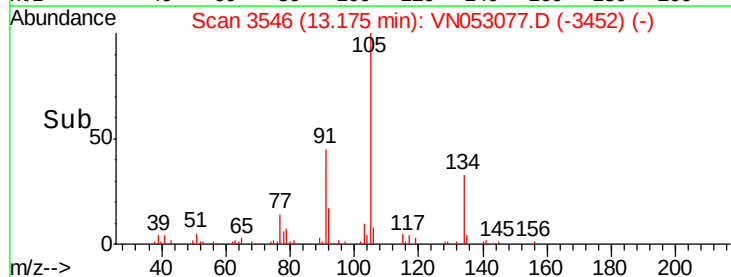
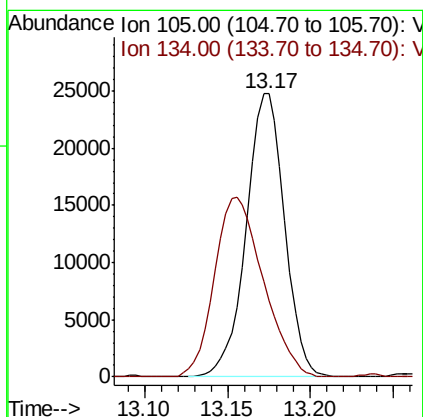
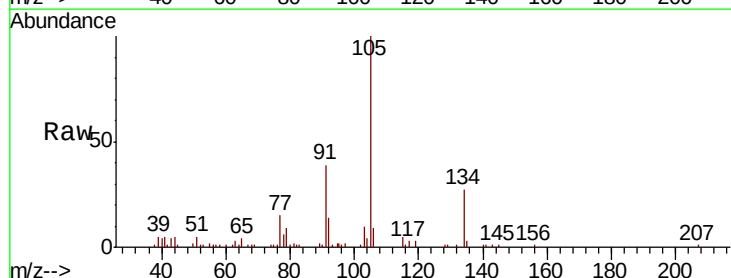
Instrument :
 MSVOA_N
 ClientSampleId :
 T11-MW-1-8.0-122018

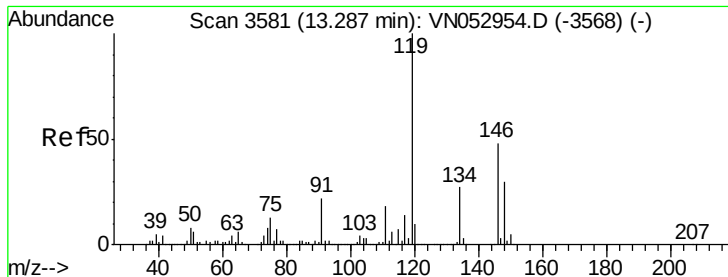
Tot Ion:105 Resp: 10124
 Ion Ratio Lower Upper
 105 100
 120 43.9 22.9 68.8



#85
 sec-Butylbenzene
 Concen: 0.678 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN053077.D
 Acq: 21 Dec 2018 1:15

Tgt Ion:105 Resp: 39837
 Ion Ratio Lower Upper
 105 100
 134 80.3 10.1 30.3#





#86

p-Isopropyltoluene

Concen: 1.389 ug/l

RT: 13.44 min Scan# 3629

Delta R.T. 0.15 min

Lab File: VN053077.D

Acq: 21 Dec 2018 1:15

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-1-8.0-122018

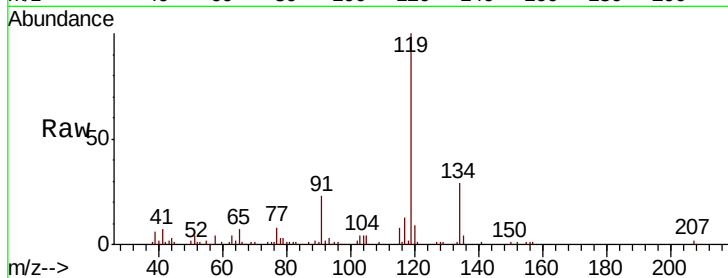
Tot Ion:119 Resp: 70465

Ion Ratio Lower Upper

119 100

134 28.4 13.4 40.2

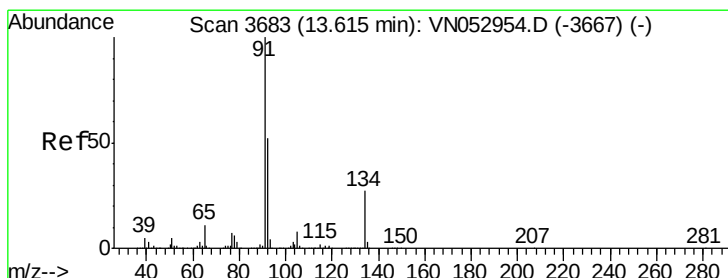
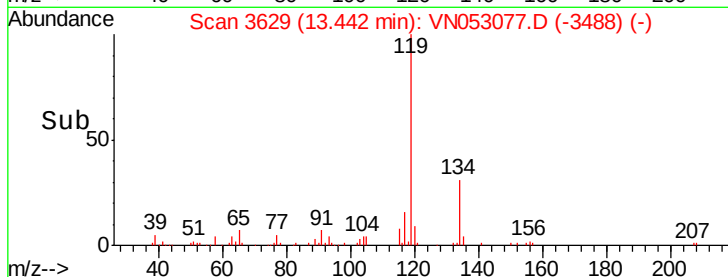
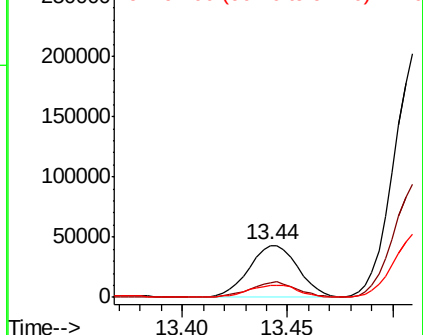
91 23.6 11.1 33.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#89

n-Butylbenzene

Concen: 0.909 ug/l

RT: 13.60 min Scan# 3677

Delta R.T. -0.02 min

Lab File: VN053077.D

Acq: 21 Dec 2018 1:15

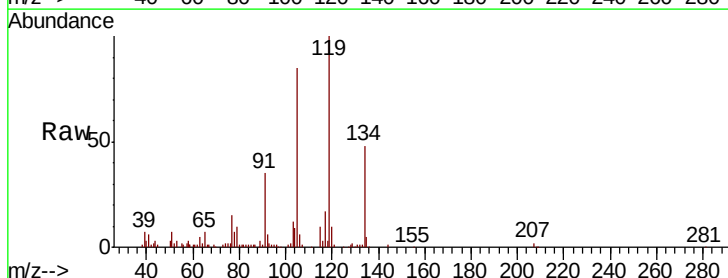
Tgt Ion: 91 Resp: 39671

Ion Ratio Lower Upper

91 100

92 29.8 26.3 78.9

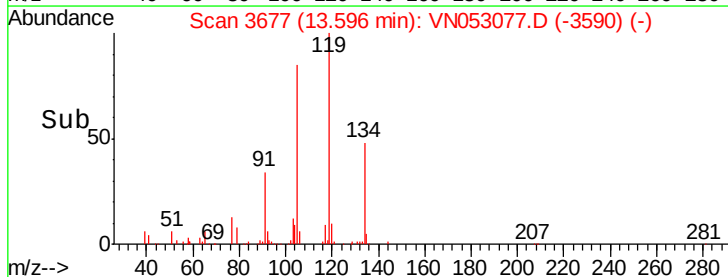
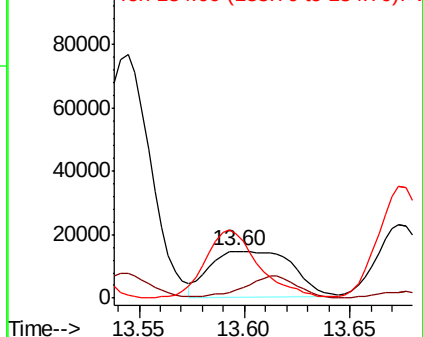
134 94.6 13.3 39.8#

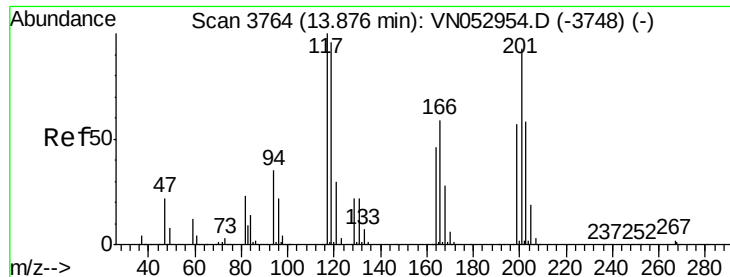


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 10.964 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.01 min

Lab File: VN053077.D

Acq: 21 Dec 2018 1:15

Instrument :

MSVOA_N

ClientSampleId :

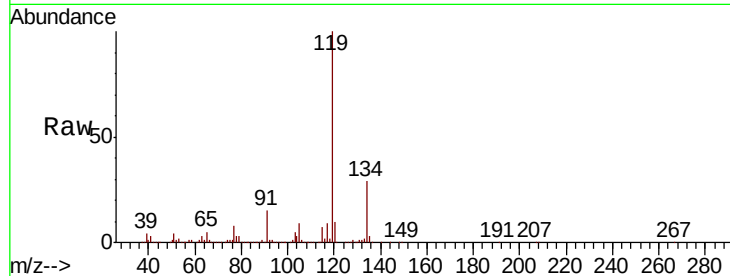
T11-MW-1-8.0-122018

Tot Ion:117 Resp: 85377

Ion Ratio Lower Upper

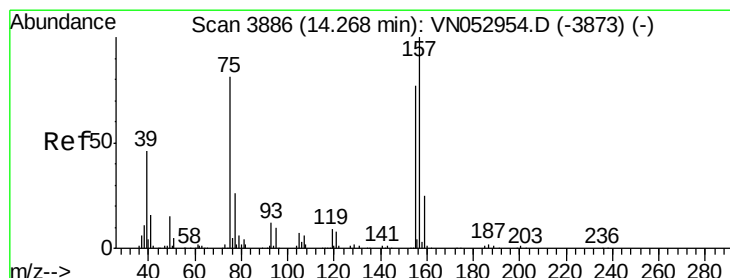
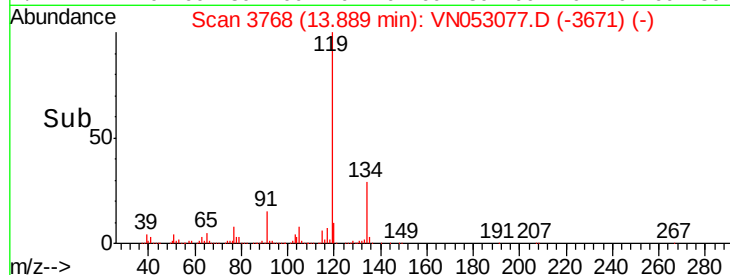
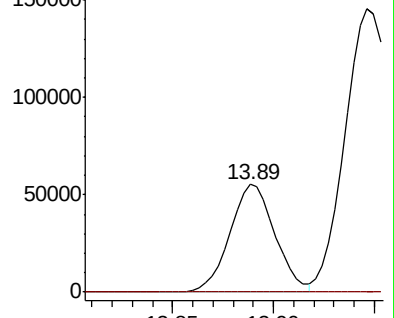
117 100

201 0.0 45.7 137.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 3.439 ug/l

RT: 14.21 min Scan# 3868

Delta R.T. -0.06 min

Lab File: VN053077.D

Acq: 21 Dec 2018 1:15

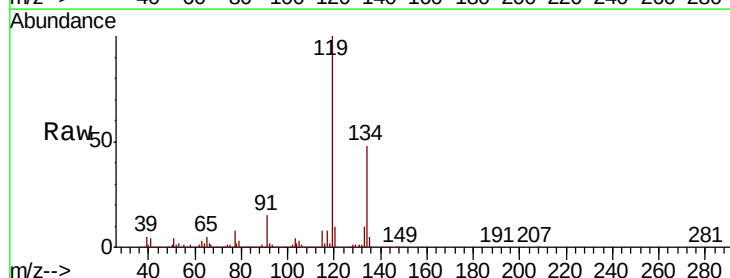
Tgt Ion: 75 Resp: 7026

Ion Ratio Lower Upper

75 100

155 0.0 48.2 144.6#

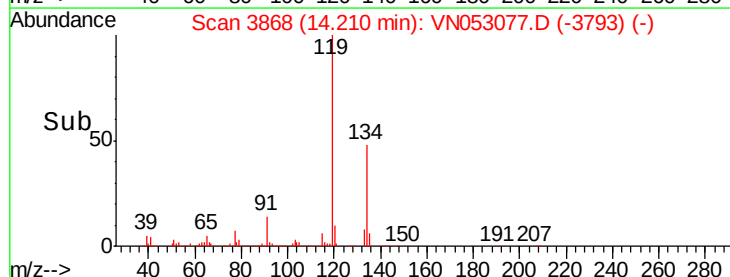
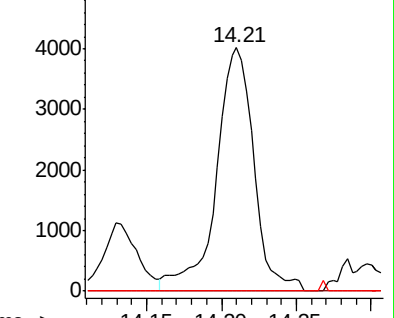
157 0.0 61.2 183.5#

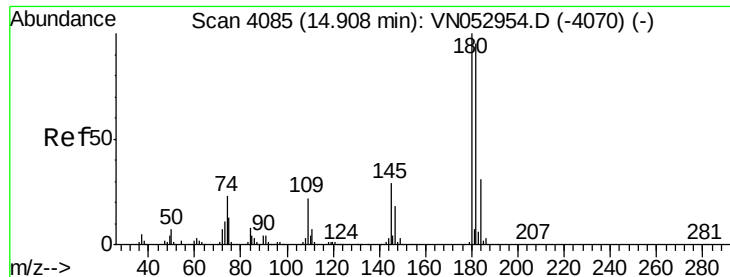


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

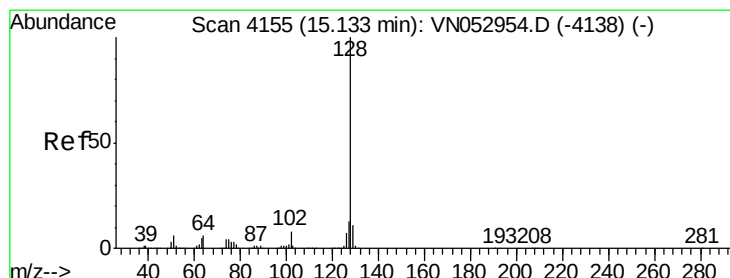
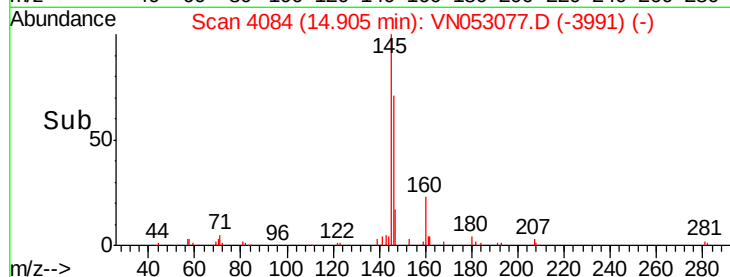
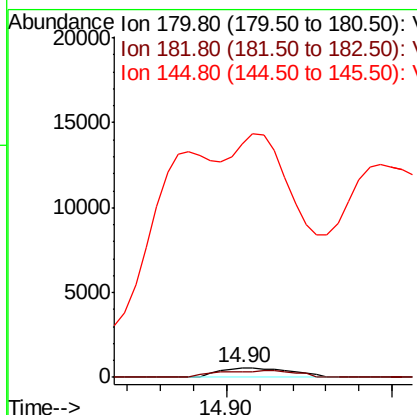
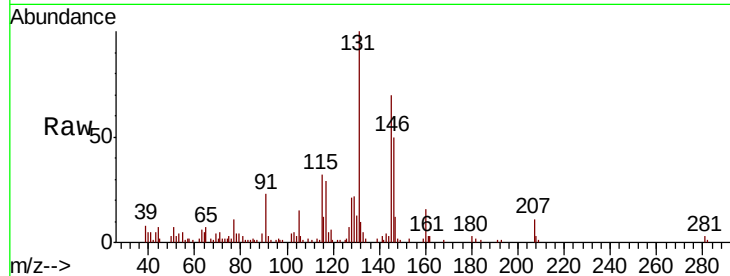




#93
 1,2,4-Trichlorobenzene
 Concen: 0.657 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN053077.D
 Acq: 21 Dec 2018 1:15

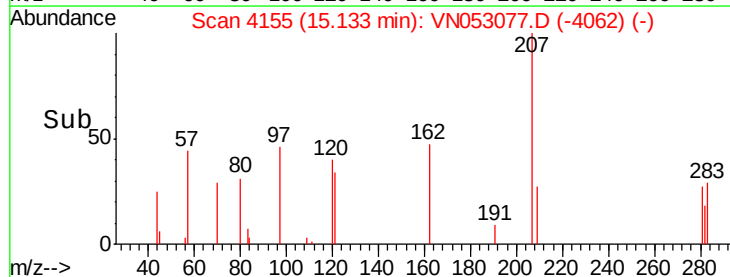
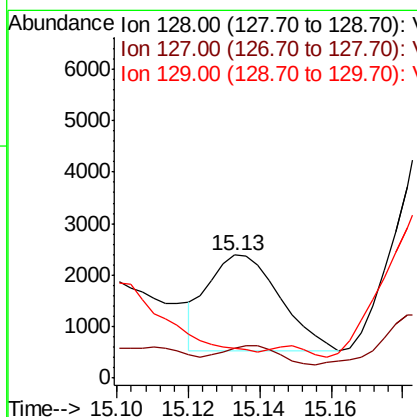
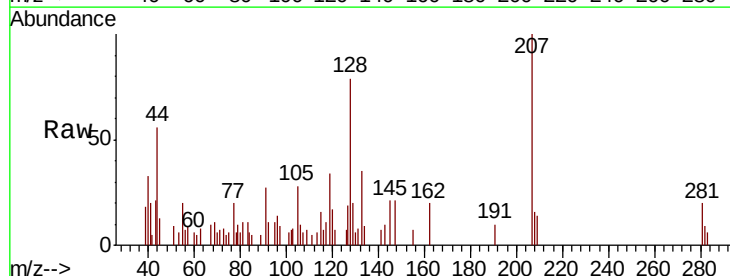
Instrument :
 MSVOA_N
 ClientSampleId :
 T11-MW-1-8.0-122018

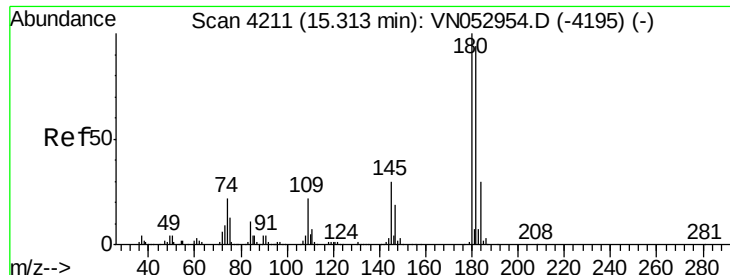
Tot Ion	Ratio	Lower	Upper
180	100		
182	80.0	47.8	143.3
145	0.0	14.2	42.6#



#95
 Naphthalene
 Concen: 1.230 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. -0.00 min
 Lab File: VN053077.D
 Acq: 21 Dec 2018 1:15

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.4#
129	0.0	8.6	13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.561 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN053077.D
 Acq: 21 Dec 2018 1:15

Instrument :
 MSVOA_N
 ClientSampleId :
 T11-MW-1-8.0-122018

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.9	143.7
145	5220.8	15.0	45.0#

