

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120718\
 Data File : VN052733.D
 Acq On : 7 Dec 2018 18:04
 Operator : MD\SY
 Sample : J6019-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3

Quant Time: Dec 07 22:21:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 03 03:24:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1195624	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1817591	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1606047	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	688464	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	614404	47.20	ug/l	0.00
Spiked Amount			Recovery	=	94.40%	
35) Dibromofluoromethane	7.59	113	558745	49.86	ug/l	0.00
Spiked Amount			Recovery	=	99.72%	
50) Toluene-d8	10.09	98	2249843	51.58	ug/l	0.00
Spiked Amount			Recovery	=	103.16%	
62) 4-Bromofluorobenzene	12.40	95	767982	52.40	ug/l	0.00
Spiked Amount			Recovery	=	104.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.02	50	3679	0.249	ug/l #	80
13) Acrolein	3.57	56	35531	31.368	ug/l #	1
14) Allyl chloride	4.60	41	1261224	65.338	ug/l #	40
15) Acrylonitrile	5.06	53	79758	19.333	ug/l #	39
16) Acetone	3.81	43	264278	76.967	ug/l #	52
17) Carbon Disulfide	4.06	76	9218	0.262	ug/l	100
18) Methyl Acetate	4.60	43	3319311	337.008	ug/l #	52
19) Methyl tert-butyl Ether	5.04	73	26681	0.895	ug/l #	1
20) Methylene Chloride	4.54	84	3796	0.283	ug/l #	1
23) Vinyl Acetate	5.93	43	18907	0.749	ug/l #	73
25) 2-Butanone	6.82	43	24211	4.975	ug/l #	50
29) Tetrahydrofuran	7.22	42	2730	0.870	ug/l #	35
30) Chloroform	7.33	83	183079	7.926	ug/l #	19
31) Cyclohexane	7.65	56	566129	25.083	ug/l	94
36) 1,1-Dichloropropene	7.67	75	81891	4.771	ug/l #	49
37) Ethyl Acetate	6.82	43	24211	2.311	ug/l #	72
38) Carbon Tetrachloride	7.67	117	106005	6.822	ug/l #	16
39) Methylcyclohexane	9.08	83	576426	27.630	ug/l	97
40) Benzene	8.04	78	2552111	49.893	ug/l	100
41) Methacrylonitrile	7.21	41	32506	5.676	ug/l #	35
43) Isopropyl Acetate	8.15	43	185947	10.490	ug/l #	51
47) Bromodichloromethane	9.39	83	101353	6.192	ug/l #	25
48) Methyl methacrylate	9.23	41	11188	1.210	ug/l #	13
51) 4-Methyl-2-Pentanone	10.02	43	26673	2.682	ug/l #	63
52) Toluene	10.16	92	247596	8.147	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	193852	18.133	ug/l #	18
56) Ethyl methacrylate	10.44	69	17173	3.788	ug/l #	54
58) 2-Chloroethyl Vinyl ether	9.67	63	3839	0.495	ug/l #	49
59) 2-Hexanone	10.77	43	3359	0.503	ug/l #	40
61) 1,2-Dibromoethane	10.98	107	2838	0.267	ug/l #	1
67) Ethyl Benzene	11.51	91	1794572	30.945	ug/l	100
68) m/p-Xylenes	11.62	106	246306	11.409	ug/l	99
69) o-Xylene	11.95	106	62171	2.965	ug/l	99
71) Bromoform	12.40	173	4645	0.609	ug/l #	1

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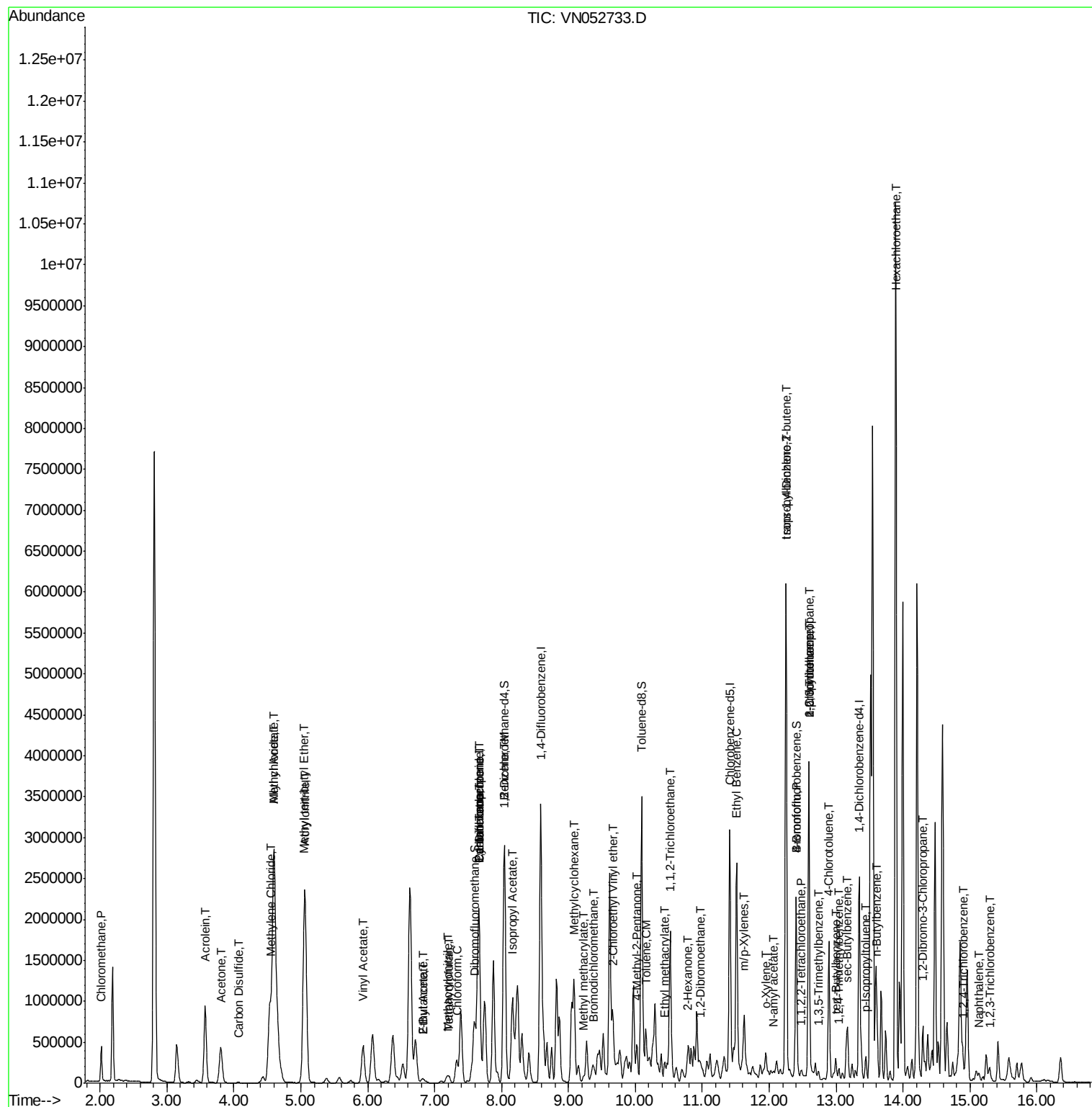
73) Isopropylbenzene	12.25	105	4163103	77.074	uq/l	99
74) N-amyl acetate	12.06	43	5263	0.386	uq/l #	68
75) 1,1,2,2-Tetrachloroethane	12.48	83	4084	0.332	uq/l #	39
76) 1,2,3-Trichloropropane	12.59	75	18274	1.721	uq/l #	100
78) n-propylbenzene	12.59	91	3132174	51.044	uq/l	100
79) 2-Chlorotoluene	12.59	91	3132174	85.715	uq/l #	40
80) 1,3,5-Trimethylbenzene	12.73	105	42106	0.977	uq/l	93
81) trans-1,4-Dichloro-2-buten	12.25	75	45488	14.309	uq/l #	66
82) 4-Chlorotoluene	12.89	91	129104	3.506	uq/l #	41
83) tert-Butylbenzene	12.99	119	130630	3.401	uq/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	75847	1.757	uq/l	99
85) sec-Butylbenzene	13.17	105	392215	7.498	uq/l #	63
86) p-Isopropyltoluene	13.44	119	163352	3.666	uq/l	97
89) n-Butylbenzene	13.62	91	456311	12.315	uq/l #	70
90) Hexachloroethane	13.89	117	541601	71.795	uq/l #	6
92) 1,2-Dibromo-3-Chloropropan	14.30	75	2325	1.323	uq/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	1665	2.958	uq/l #	79
95) Naphthalene	15.13	128	80838	6.333	uq/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	1691	2.869	uq/l #	76

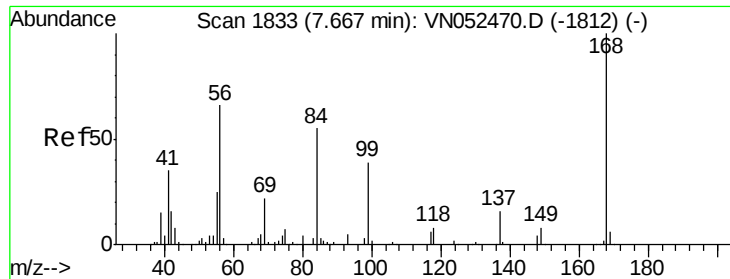
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN120718\
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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: VN052733.D

Acq: 7 Dec 2018 18:04

Instrument :

MSVOA_N

ClientSampled :

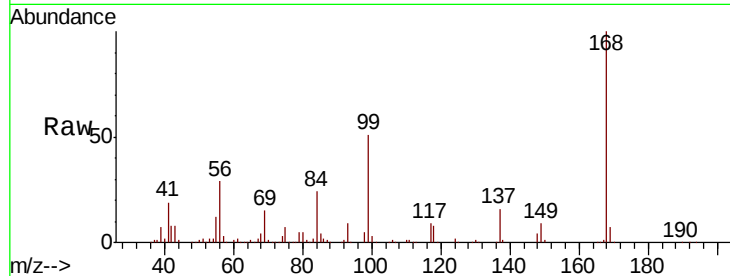
MW-3

Tot Ion:168 Resp: 1195624

Ion Ratio Lower Upper

168 100

99 51.0 41.7 62.5



Abundance Ion 167.90 (167.60 to 168.60): VN052733.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN052733.D (-1740) (-)

7.67

600000

500000

400000

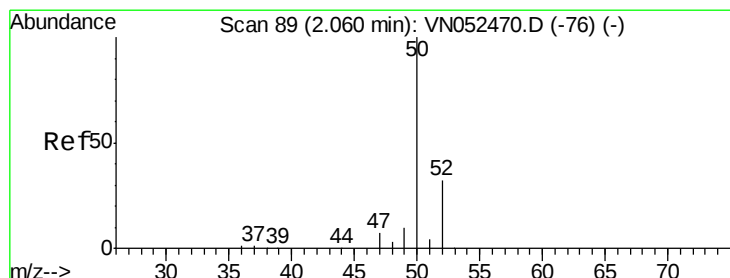
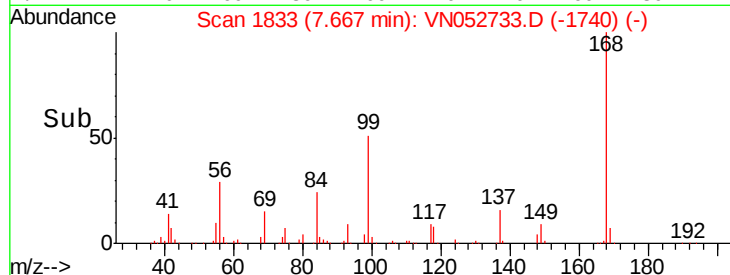
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 0.249 ug/l

RT: 2.02 min Scan# 76

Delta R.T. -0.04 min

Lab File: VN052733.D

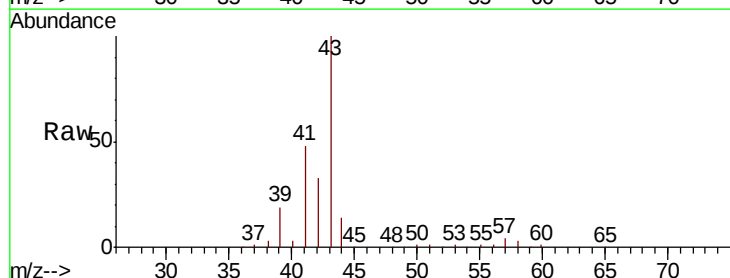
Acq: 7 Dec 2018 18:04

Tgt Ion: 50 Resp: 3679

Ion Ratio Lower Upper

50 100

52 21.4 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VN052733.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN052733.D (-1) (-)

2.02

3000

2500

2000

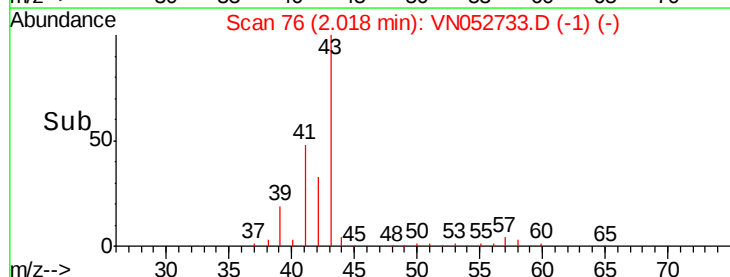
1500

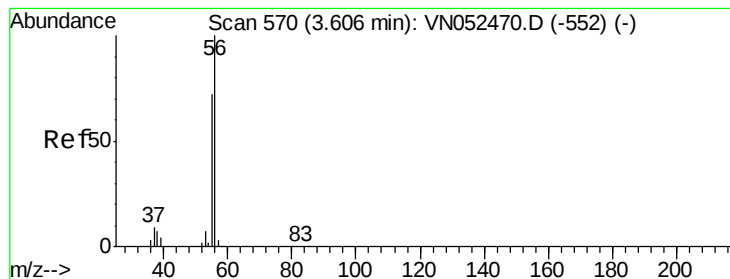
1000

500

0

Time-->





#13

Acrolein

Concen: 31.368 ug/l

RT: 3.57 min Scan# 559

Delta R.T. -0.04 min

Lab File: VN052733.D

Acq: 7 Dec 2018 18:04

Instrument :

MSVOA_N

ClientSampleId :

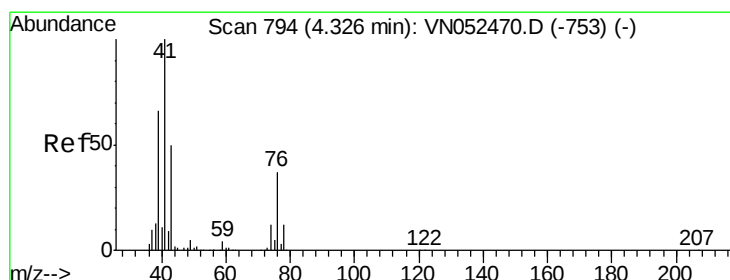
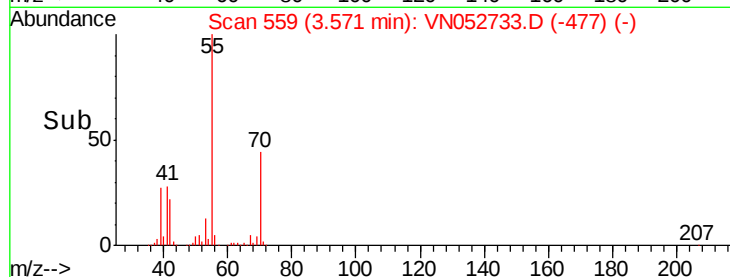
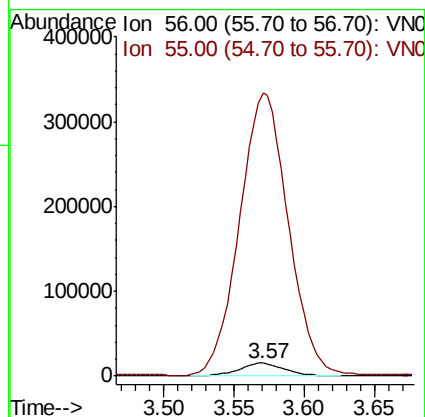
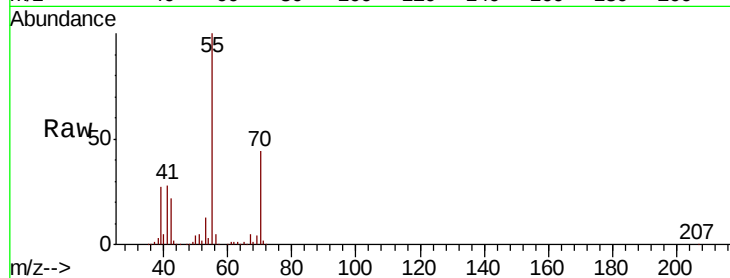
MW-3

Tot Ion: 56 Resp: 35531

Ion Ratio Lower Upper

56 100

55 2263.4 56.8 85.2#



#14

Allyl chloride

Concen: 65.338 ug/l

RT: 4.60 min Scan# 878

Delta R.T. 0.27 min

Lab File: VN052733.D

Acq: 7 Dec 2018 18:04

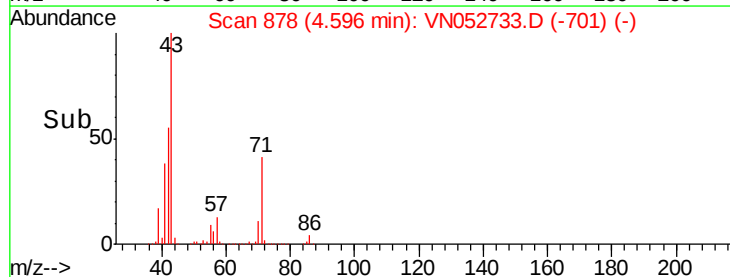
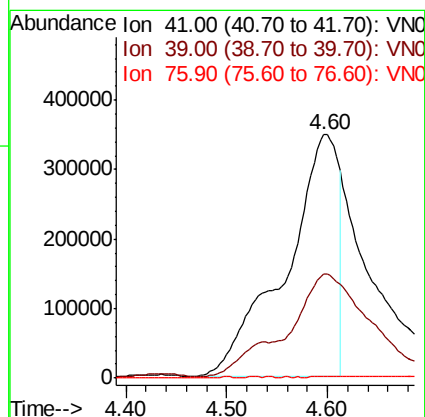
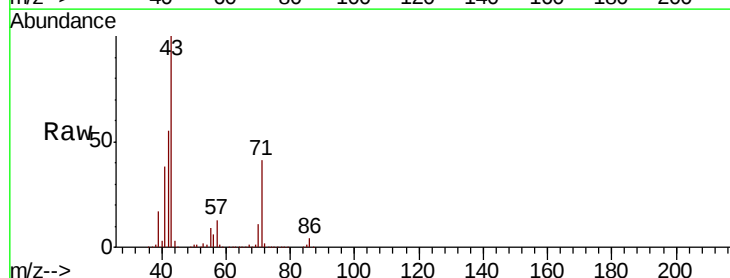
Tgt Ion: 41 Resp: 1261224

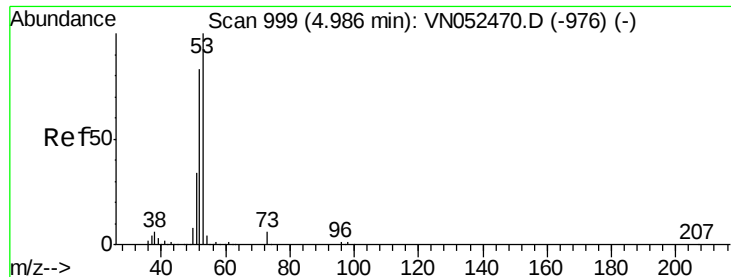
Ion Ratio Lower Upper

41 100

39 16.2 50.6 76.0#

76 0.0 27.4 41.2#





#15

Acrylonitrile

Concen: 19.333 ug/l

RT: 5.06 min Scan# 1023

Delta R.T. 0.08 min

Lab File: VN052733.D

Acq: 7 Dec 2018 18:04

Instrument :

MSVOA_N

ClientSampled :

MW-3

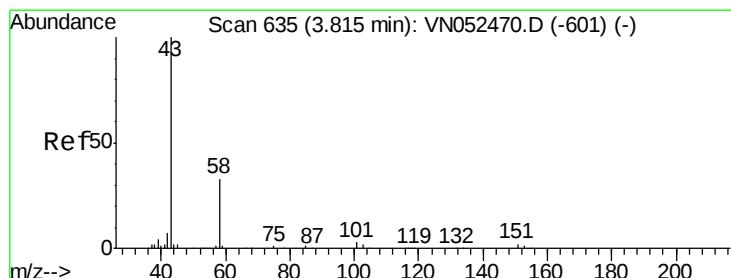
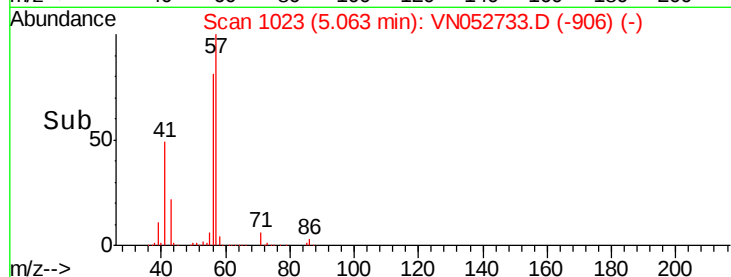
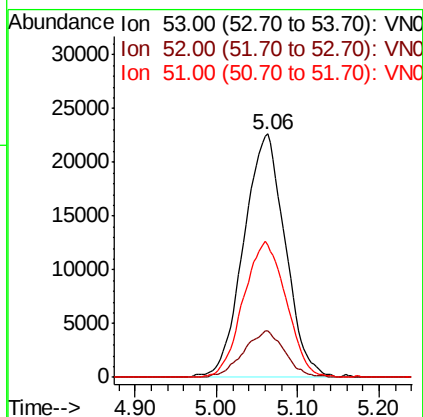
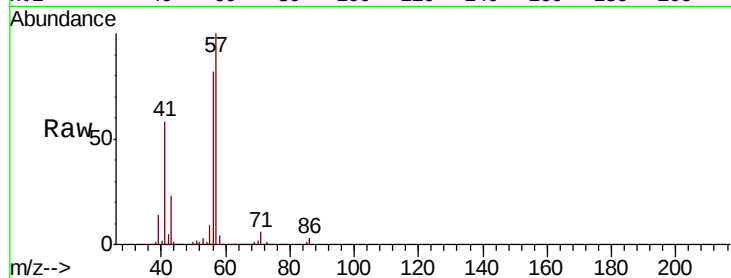
Tot Ion: 53 Resp: 79758

Ion Ratio Lower Upper

53 100

52 18.9 66.2 99.2#

51 57.7 28.1 42.1#



#16

Acetone

Concen: 76.967 ug/l

RT: 3.81 min Scan# 632

Delta R.T. -0.01 min

Lab File: VN052733.D

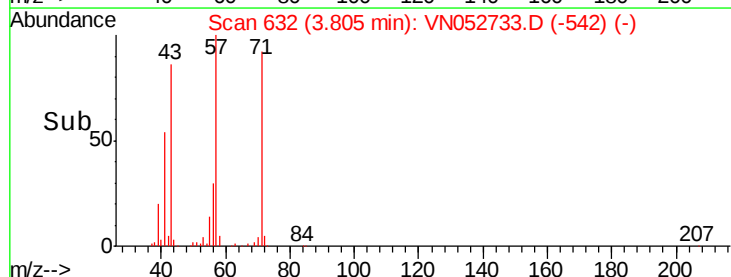
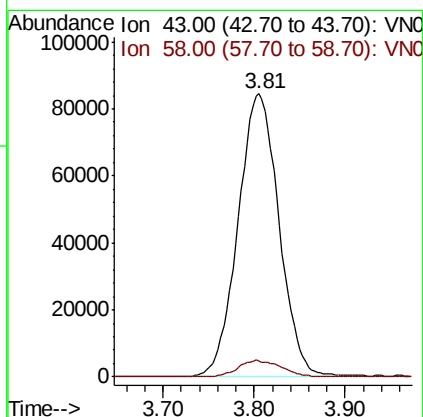
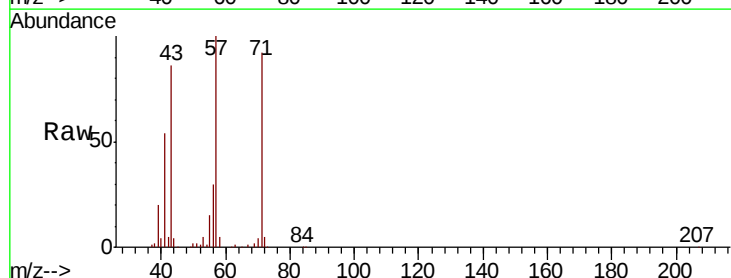
Acq: 7 Dec 2018 18:04

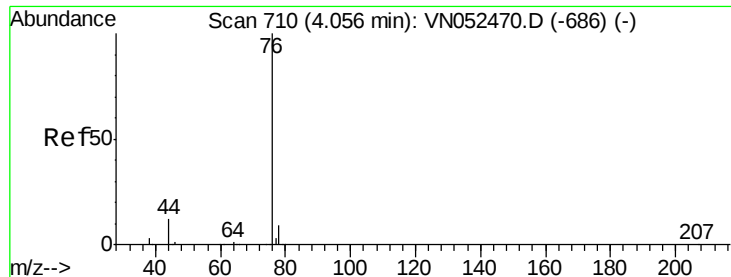
Tgt Ion: 43 Resp: 264278

Ion Ratio Lower Upper

43 100

58 5.8 26.0 39.0#





#17

Carbon Disulfide

Concen: 0.262 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN052733.D

Acq: 7 Dec 2018 18:04

Instrument :

MSVOA_N

ClientSampled :

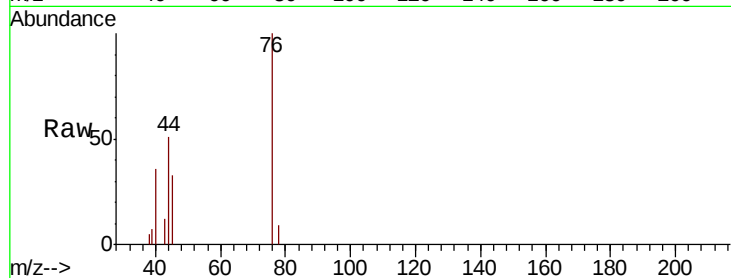
MW-3

Tot Ion: 76 Resp: 9218

Ion Ratio Lower Upper

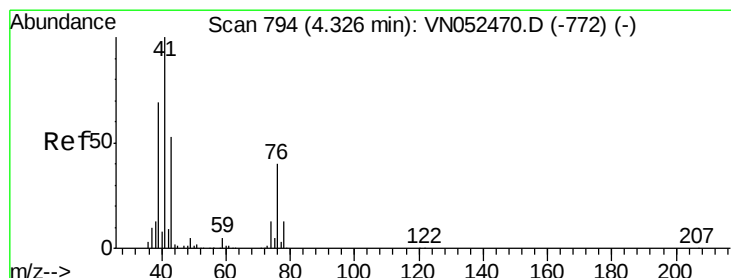
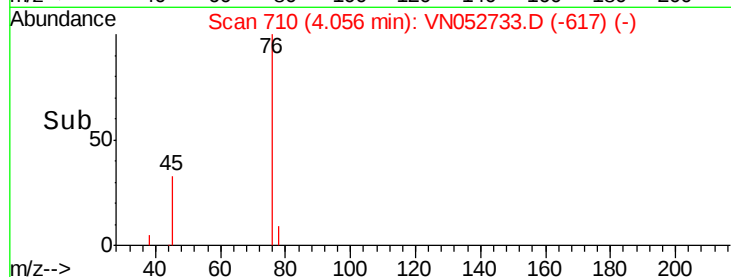
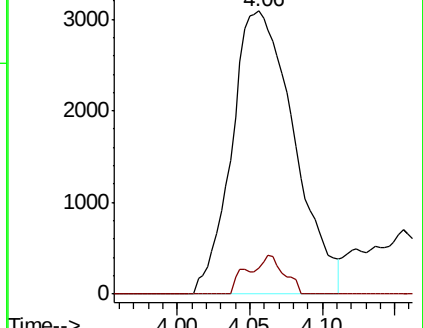
76 100

78 9.2 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN052733.D (-617) (-)

Ion 77.90 (77.60 to 78.60): VN052733.D (-617) (-)



#18

Methyl Acetate

Concen: 337.008 ug/l

RT: 4.60 min Scan# 878

Delta R.T. 0.27 min

Lab File: VN052733.D

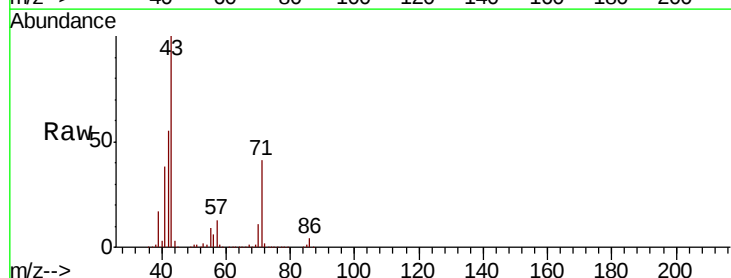
Acq: 7 Dec 2018 18:04

Tgt Ion: 43 Resp: 3319311

Ion Ratio Lower Upper

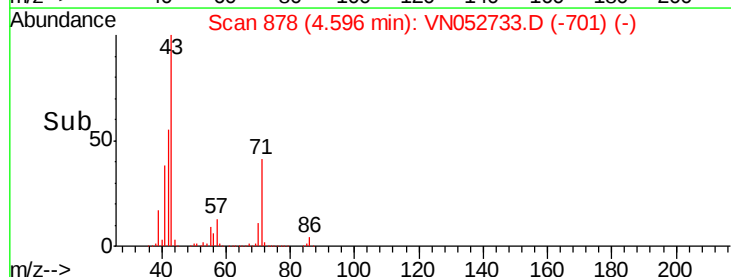
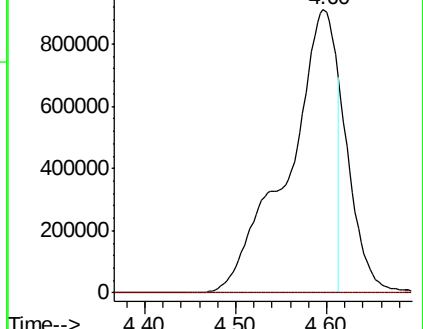
43 100

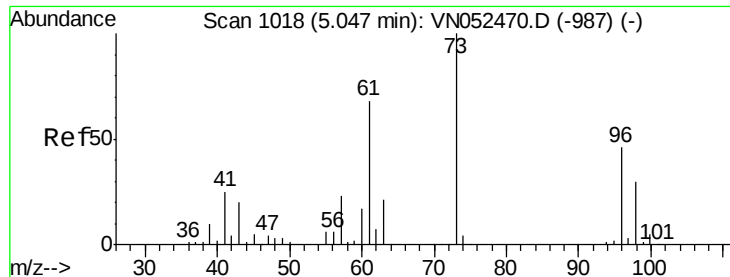
74 0.0 18.6 27.8#



Abundance Ion 43.00 (42.70 to 43.70): VN052733.D (-701) (-)

Ion 74.00 (73.70 to 74.70): VN052733.D (-701) (-)





#19

Methyl tert-butyl Ether

Concen: 0.895 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN052733.D

Acq: 7 Dec 2018 18:04

Instrument :

MSVOA_N

ClientSampled :

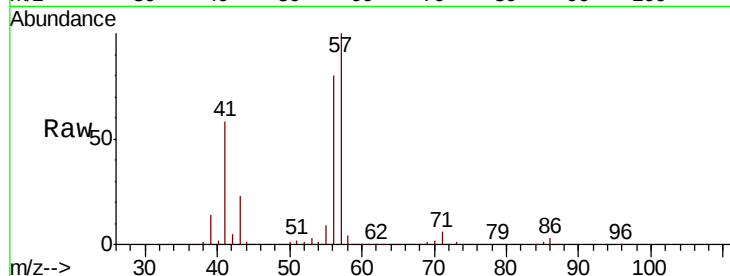
MW-3

Tot Ion: 73 Resp: 26681

Ion Ratio Lower Upper

73 100

57 7786.7 18.2 27.2#



Abundance Ion 73.00 (72.70 to 73.70): VN052470.D (-987) (-)

Ion 57.00 (56.70 to 57.70): VN052470.D (-987) (-)

800000

600000

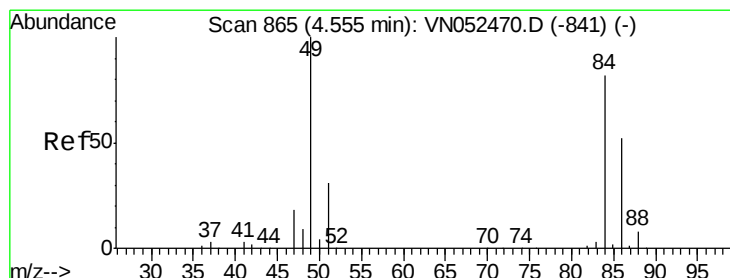
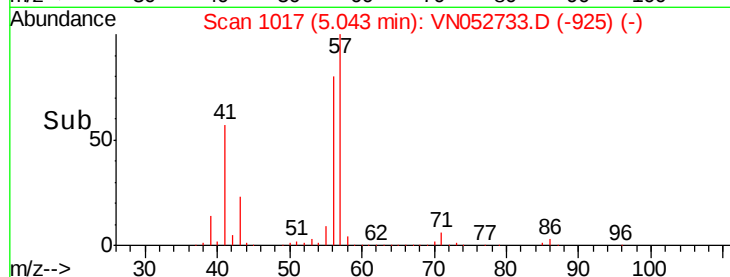
400000

200000

0

4.90 5.00 5.10

Time-->



#20

Methylene Chloride

Concen: 0.283 ug/l

RT: 4.54 min Scan# 860

Delta R.T. -0.02 min

Lab File: VN052733.D

Acq: 7 Dec 2018 18:04

Tgt Ion: 84 Resp: 3796

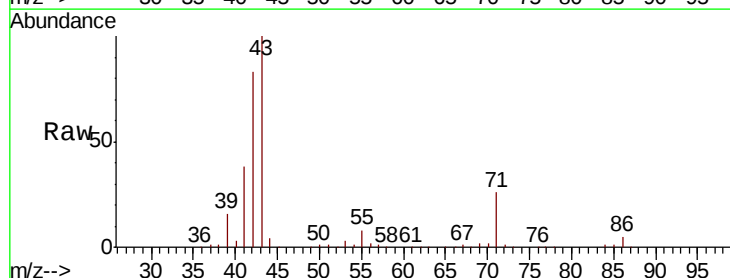
Ion Ratio Lower Upper

84 100

49 65.1 98.0 147.0#

51 250.8 30.1 45.1#

86 870.7 50.7 76.1#



Abundance Ion 83.90 (83.60 to 84.60): VN052470.D (-841) (-)

Ion 48.90 (48.60 to 49.60): VN052470.D (-841) (-)

Ion 50.90 (50.60 to 51.60): VN052470.D (-841) (-)

Ion 85.90 (85.60 to 86.60): VN052470.D (-841) (-)

40000

30000

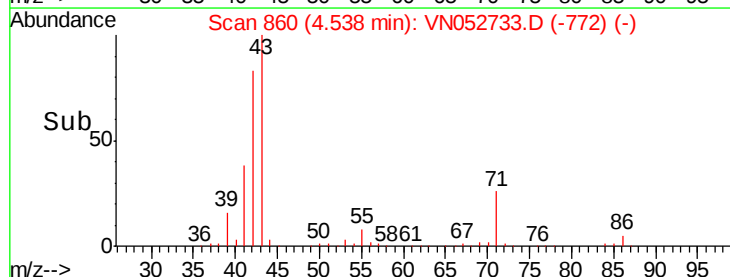
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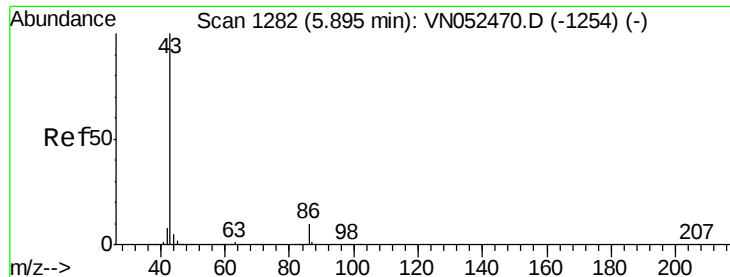
10000

0

4.45 4.50 4.55

Time-->

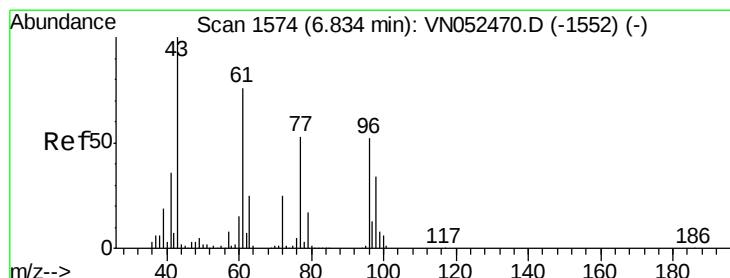
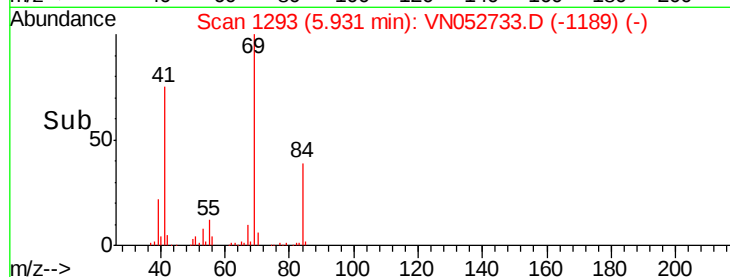
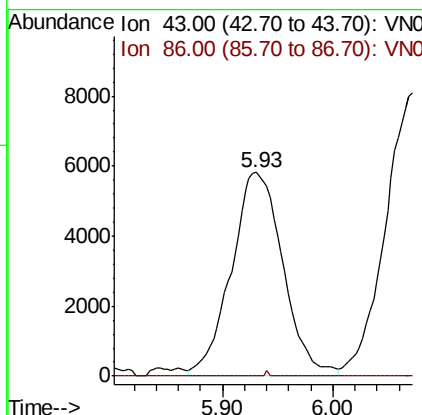
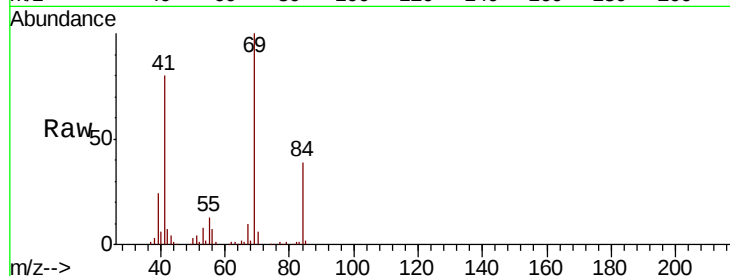




#23
 Vinyl Acetate
 Concen: 0.749 ug/l
 RT: 5.93 min Scan# 1293
 Delta R.T. 0.04 min
 Lab File: VN052733.D
 Acq: 7 Dec 2018 18:04

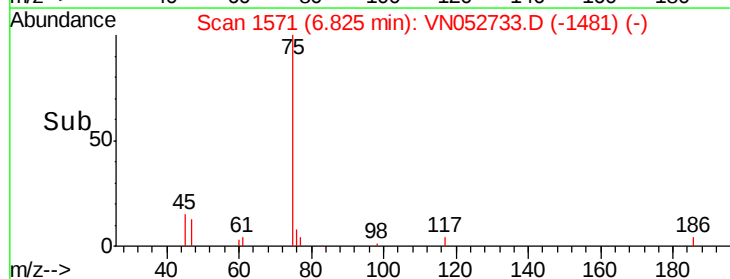
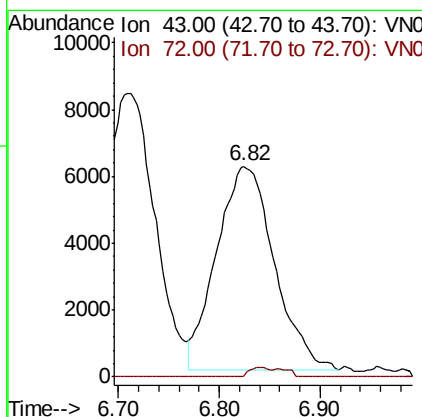
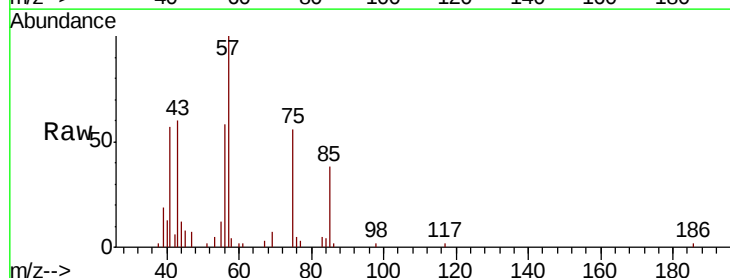
Instrument :
 MSVOA_N
 ClientSampled :
 MW-3

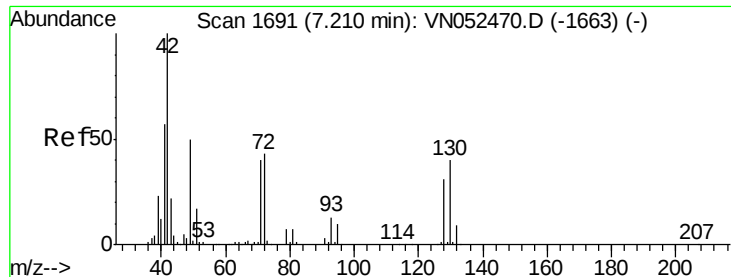
Tot Ion: 43 Resp: 18907
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.8 11.8#



#25
 2-Butanone
 Concen: 4.975 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: VN052733.D
 Acq: 7 Dec 2018 18:04

Tgt Ion: 43 Resp: 24211
 Ion Ratio Lower Upper
 43 100
 72 0.0 20.1 30.1#

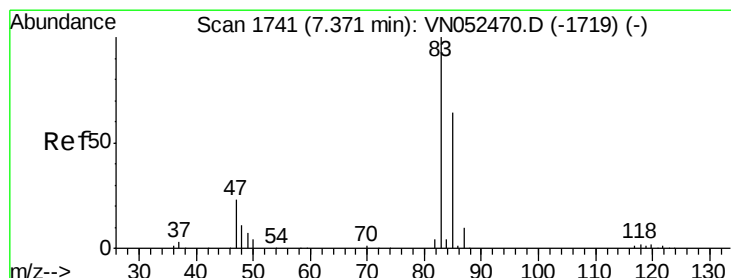
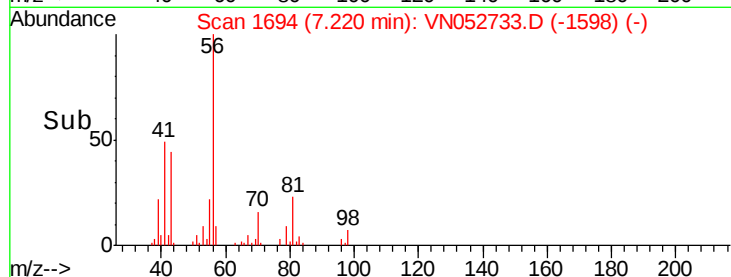
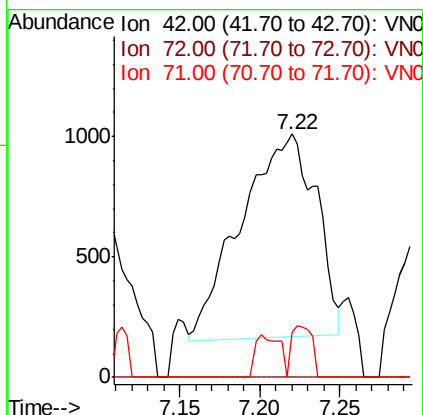
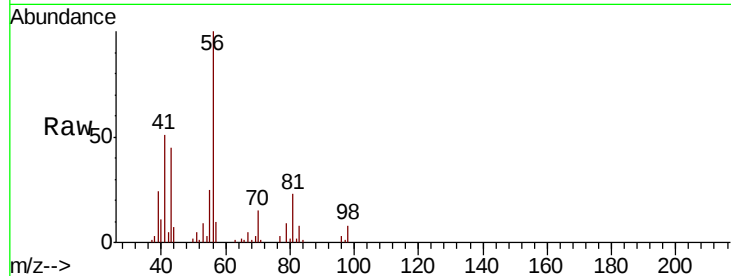




#29
Tetrahydrofuran
Concen: 0.870 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.01 min
Lab File: VN052733.D
Acq: 7 Dec 2018 18:04

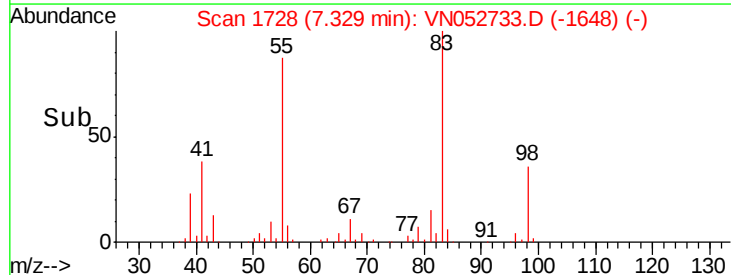
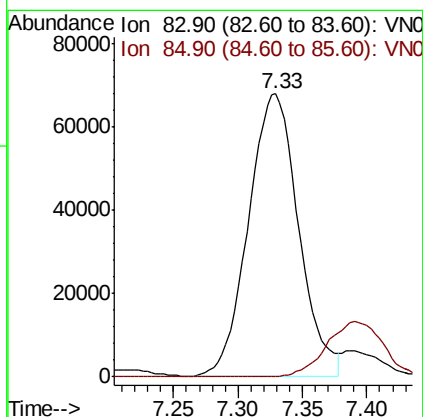
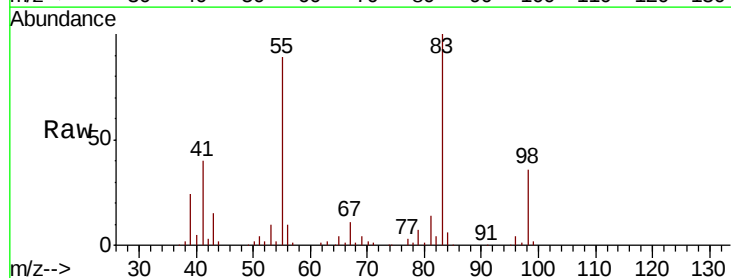
Instrument :
MSVOA_N
ClientSampled :
MW-3

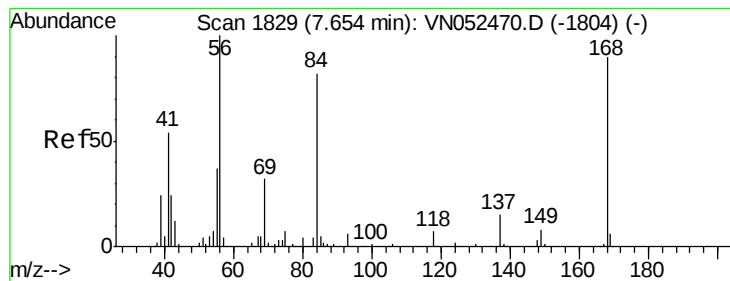
Tot Ion: 42 Resp: 2730
Ion Ratio Lower Upper
42 100
72 0.0 33.3 49.9#
71 0.0 32.0 48.0#



#30
Chloroform
Concen: 7.926 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. -0.04 min
Lab File: VN052733.D
Acq: 7 Dec 2018 18:04

Tgt Ion: 83 Resp: 183079
Ion Ratio Lower Upper
83 100
85 0.3 51.0 76.4#





#31

Cyclohexane

Concen: 25.083 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN052733.D

Acq: 7 Dec 2018 18:04

Instrument :

MSVOA_N

ClientSampled :

MW-3

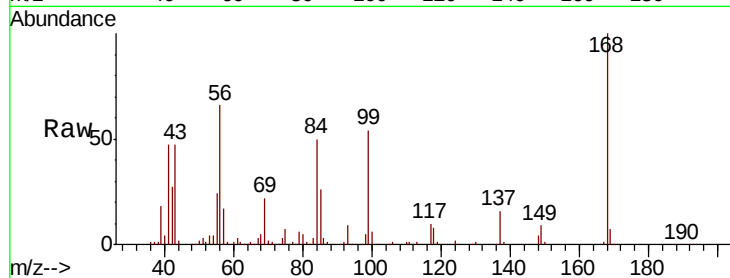
Tot Ion: 56 Resp: 566129

Ion Ratio Lower Upper

56 100

69 28.7 25.8 38.6

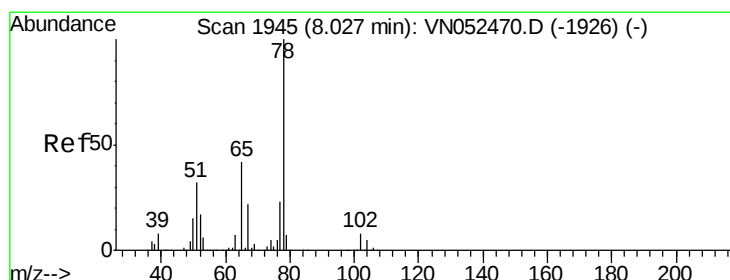
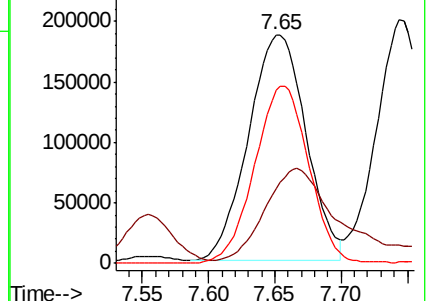
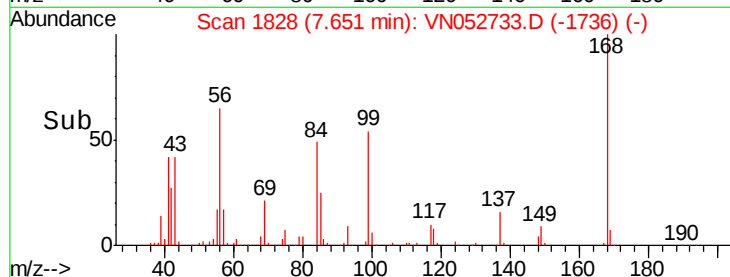
84 76.2 65.3 97.9



Abundance Ion 56.00 (55.70 to 56.70): VN052733.D (-1736) (-)

Ion 69.00 (68.70 to 69.70): VN052733.D (-1736) (-)

Ion 84.00 (83.70 to 84.70): VN052733.D (-1736) (-)



#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN052733.D

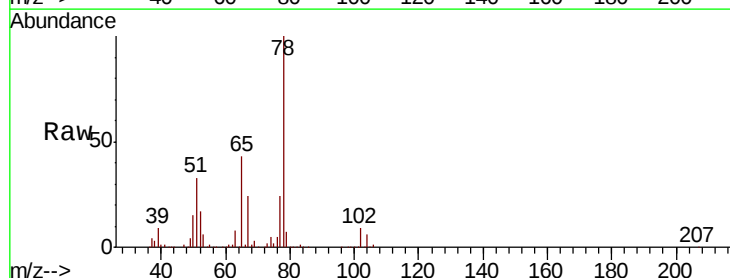
Acq: 7 Dec 2018 18:04

Tgt Ion: 65 Resp: 614404

Ion Ratio Lower Upper

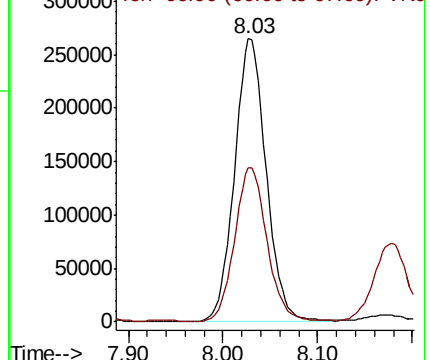
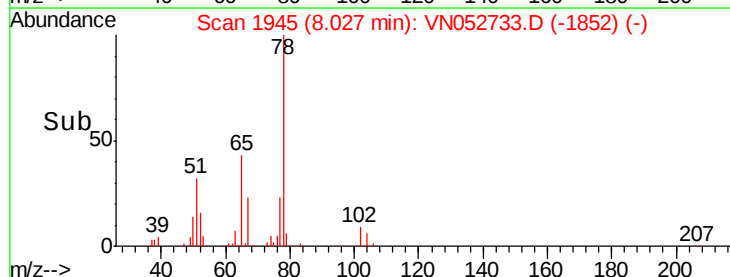
65 100

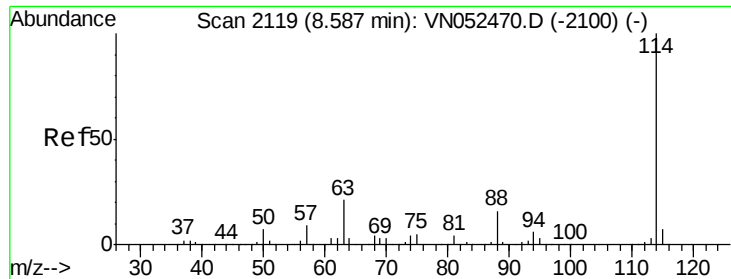
67 55.8 0.0 109.8



Abundance Ion 64.90 (64.60 to 65.60): VN052733.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN052733.D (-1852) (-)

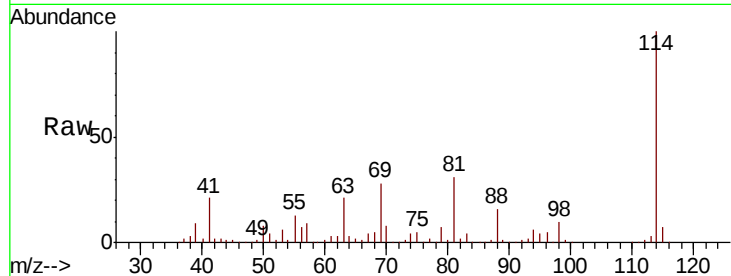




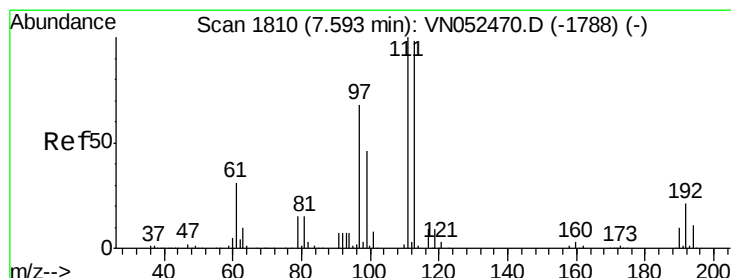
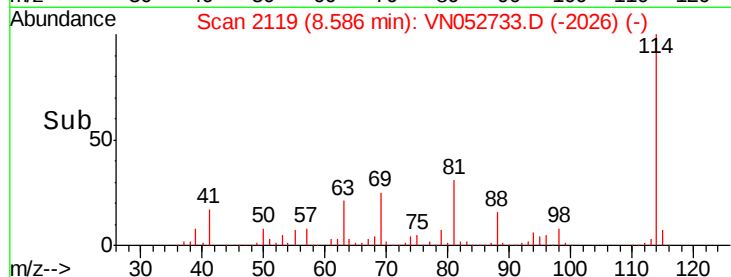
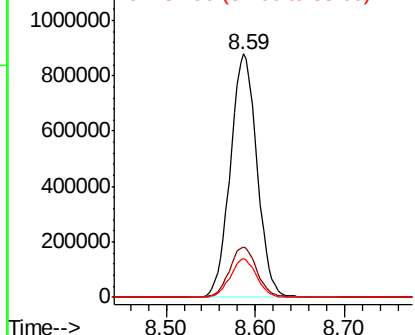
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052733.D
 Acq: 7 Dec 2018 18:04

Instrument :
 MSVOA_N
 ClientSampled :
 MW-3

Tot Ion:114 Resp: 1817591
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 41.8
 88 15.8 0.0 31.6

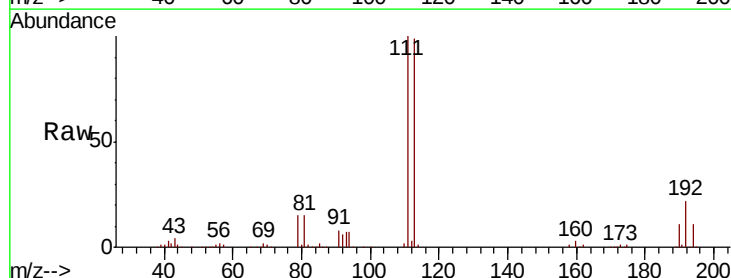


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

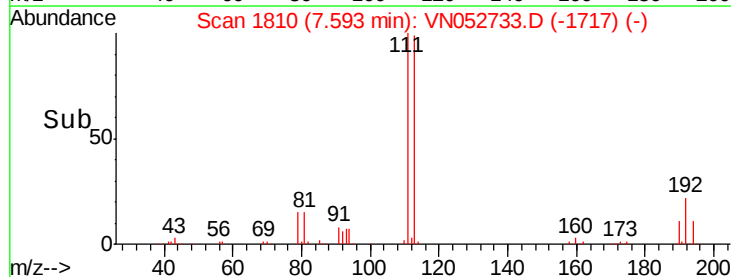
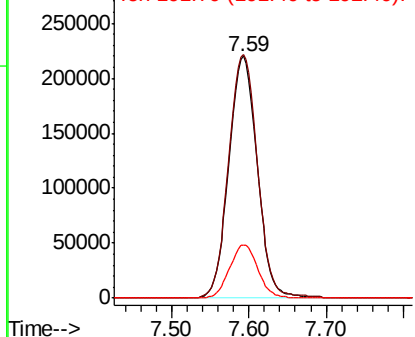


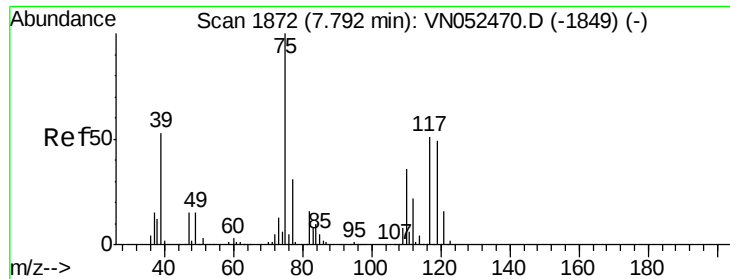
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN052733.D
 Acq: 7 Dec 2018 18:04

Tgt Ion:113 Resp: 558745
 Ion Ratio Lower Upper
 113 100
 111 102.7 82.0 123.0
 192 22.0 17.0 25.6



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.771 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN052733.D

Acq: 7 Dec 2018 18:04

Instrument :

MSVOA_N

ClientSampled :

MW-3

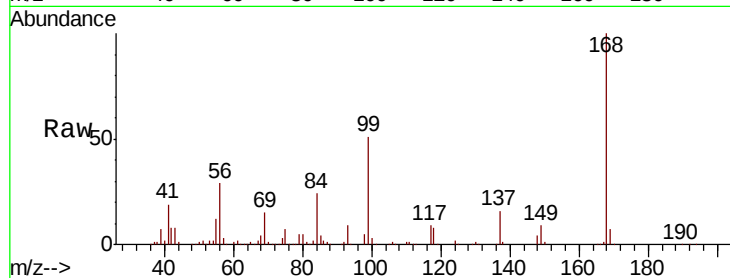
Tot Ion: 75 Resp: 81891

Ion Ratio Lower Upper

75 100

110 8.1 17.5 52.6#

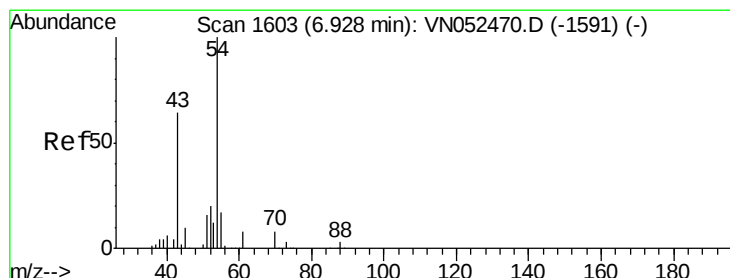
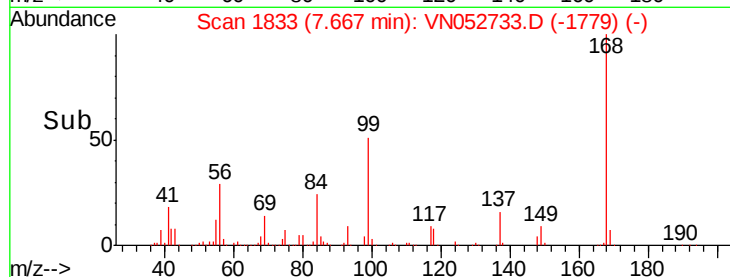
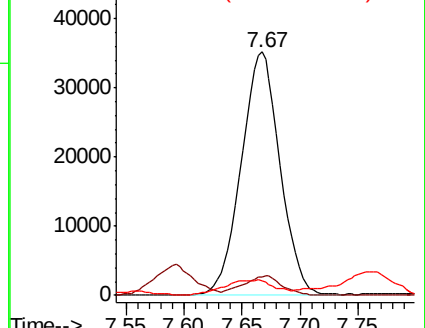
77 0.0 24.5 36.7#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#37

Ethyl Acetate

Concen: 2.311 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.10 min

Lab File: VN052733.D

Acq: 7 Dec 2018 18:04

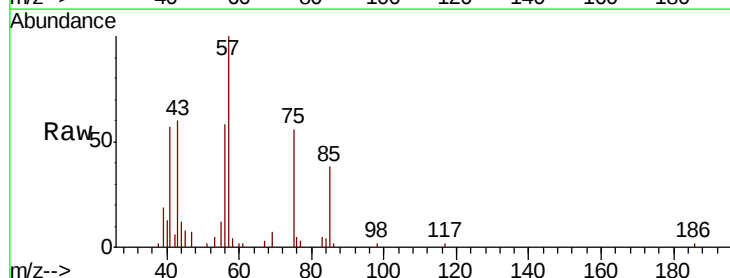
Tgt Ion: 43 Resp: 24211

Ion Ratio Lower Upper

43 100

61 2.7 11.8 17.8#

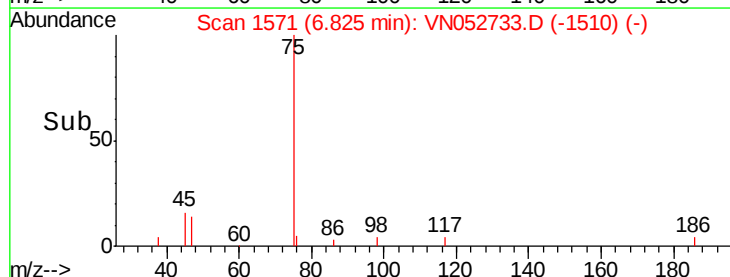
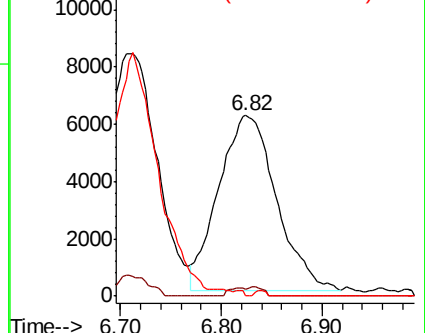
70 0.0 7.8 11.8#

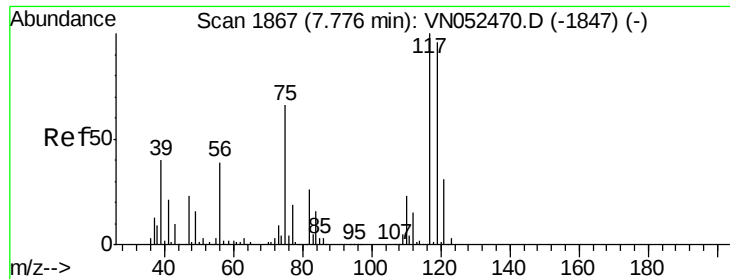


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 70.00 (69.70 to 70.70): VN0

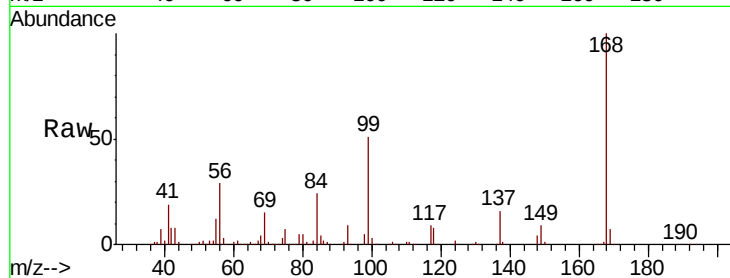




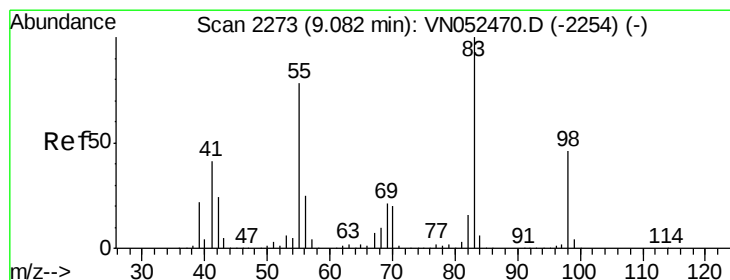
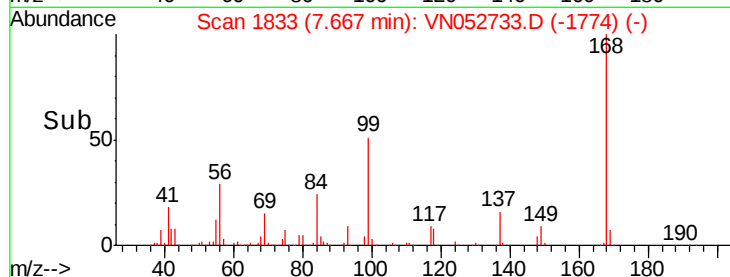
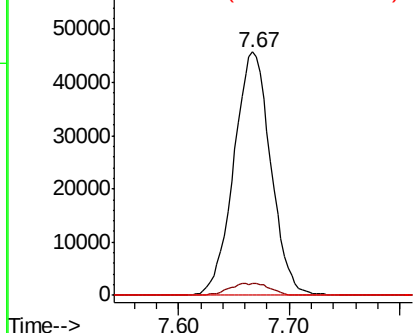
#38
Carbon Tetrachloride
Concen: 6.822 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.11 min
Lab File: VN052733.D
Acq: 7 Dec 2018 18:04

Instrument :
MSVOA_N
ClientSampleId :
MW-3

Tot Ion:117 Resp: 106005
Ion Ratio Lower Upper
117 100
119 4.7 76.8 115.2#
121 0.0 24.9 37.3#

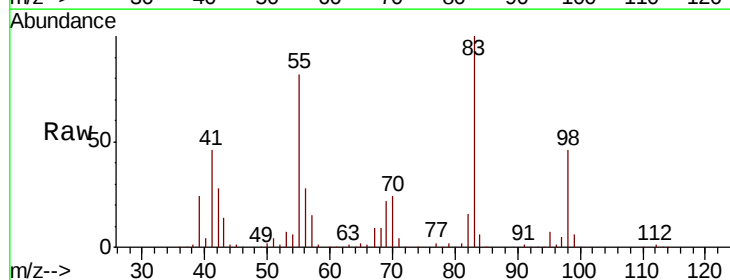


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

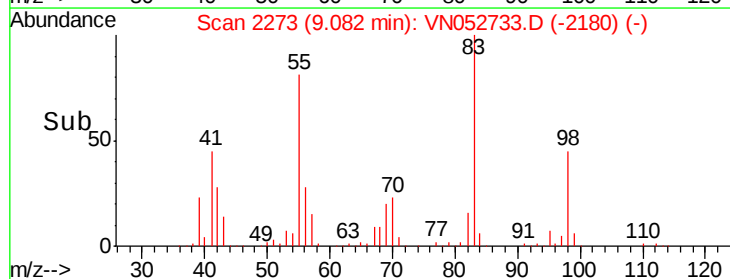
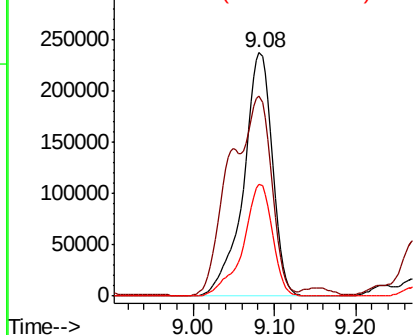


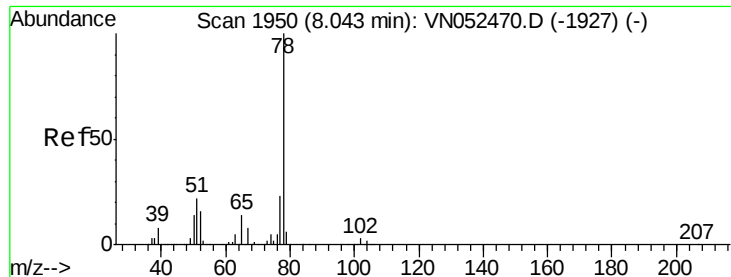
#39
Methylcyclohexane
Concen: 27.630 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052733.D
Acq: 7 Dec 2018 18:04

Tgt Ion: 83 Resp: 576426
Ion Ratio Lower Upper
83 100
55 81.8 62.2 93.2
98 45.9 36.4 54.6



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: 49.893 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. -0.00 min

Lab File: VN052733.D

Acq: 7 Dec 2018 18:04

Instrument :

MSVOA_N

ClientSampleId :

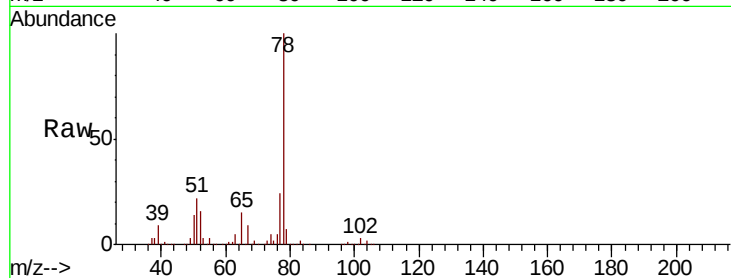
MW-3

Tot Ion: 78 Resp: 2552111

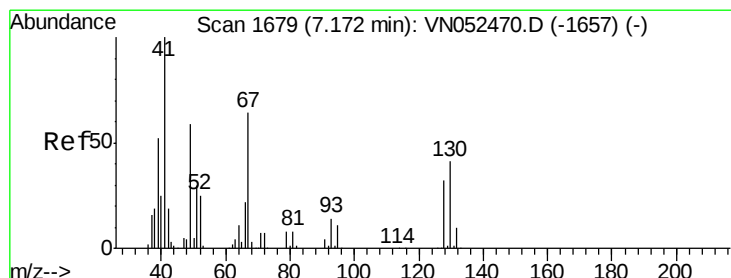
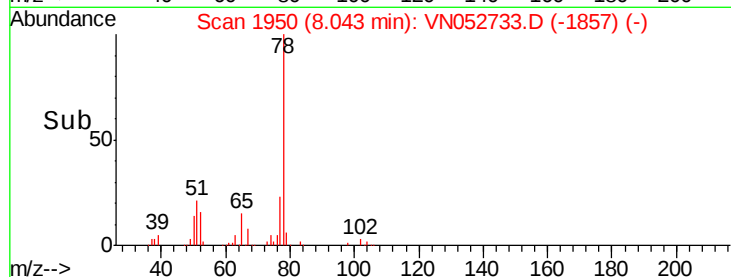
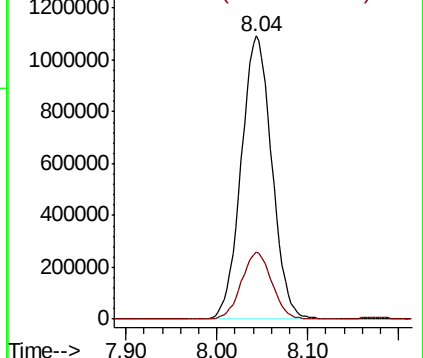
Ion Ratio Lower Upper

78 100

77 23.6 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN052733.D (-1857) (-)



#41

Methacrylonitrile

Concen: 5.676 ug/l

RT: 7.21 min Scan# 1691

Delta R.T. 0.04 min

Lab File: VN052733.D

Acq: 7 Dec 2018 18:04

Tgt Ion: 41 Resp: 32506

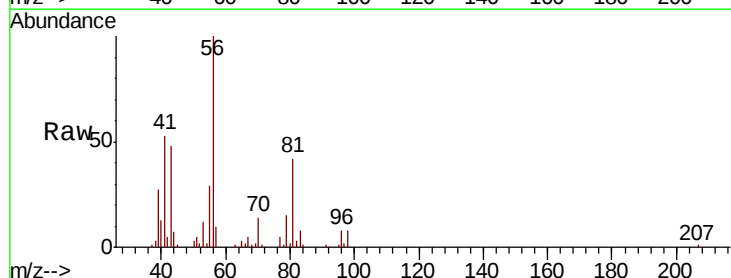
Ion Ratio Lower Upper

41 100

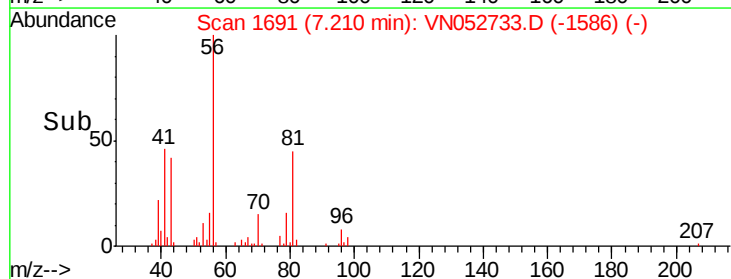
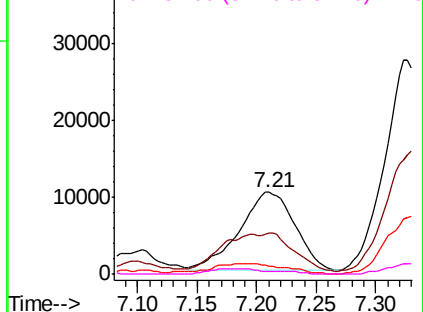
39 29.1 50.9 76.3#

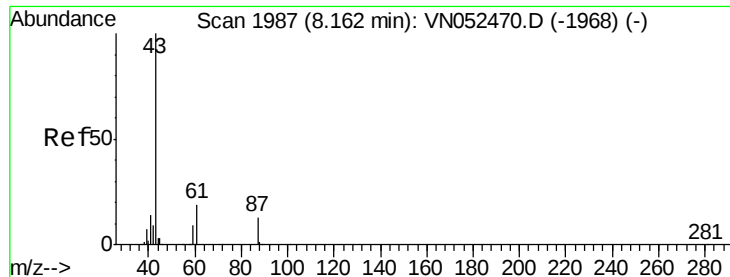
67 0.0 63.6 95.4#

52 5.9 24.4 36.6#



Abundance Ion 41.00 (40.70 to 41.70): VN052733.D (-1586) (-)





#43

Isopropyl Acetate

Concen: 10.490 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. -0.01 min

Lab File: VN052733.D

Acq: 7 Dec 2018 18:04

Instrument :

MSVOA_N

ClientSampled :

MW-3

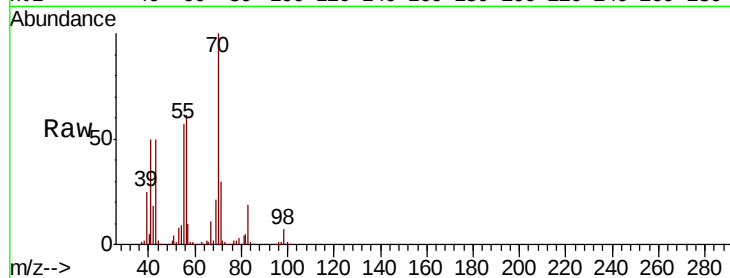
Tot Ion: 43 Resp: 185947

Ion Ratio Lower Upper

43 100

61 0.0 24.1 36.1#

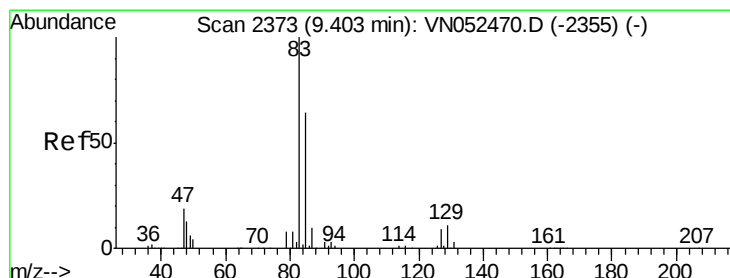
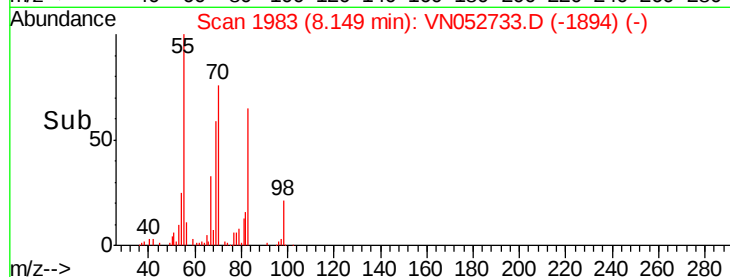
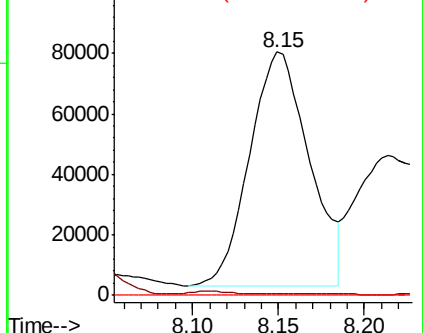
87 0.0 10.6 15.8#



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: 6.192 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.02 min

Lab File: VN052733.D

Acq: 7 Dec 2018 18:04

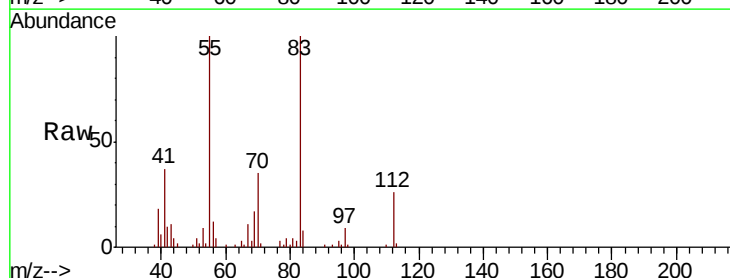
Tgt Ion: 83 Resp: 101353

Ion Ratio Lower Upper

83 100

85 0.0 51.3 76.9#

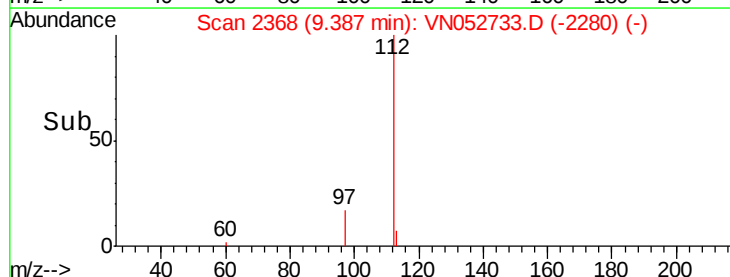
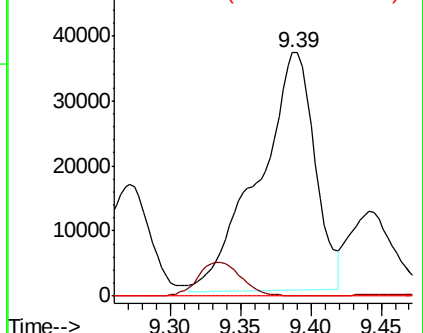
127 0.0 6.9 10.3#

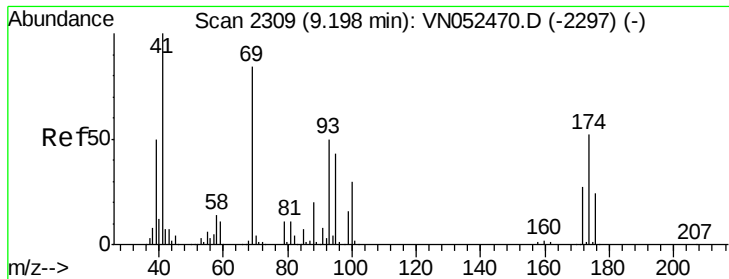


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V

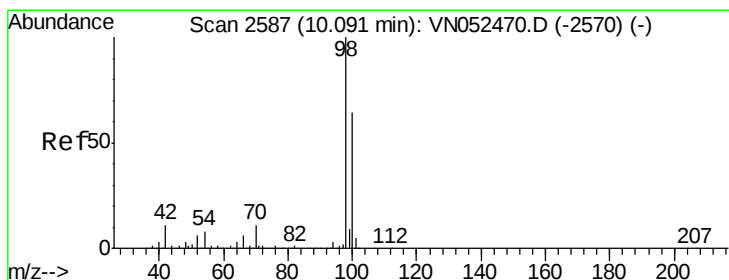
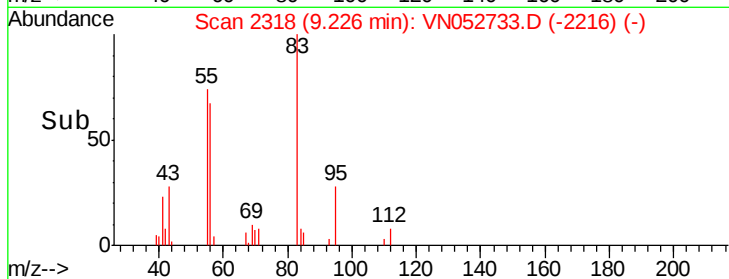
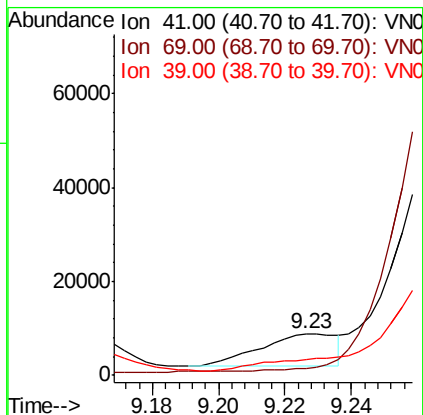
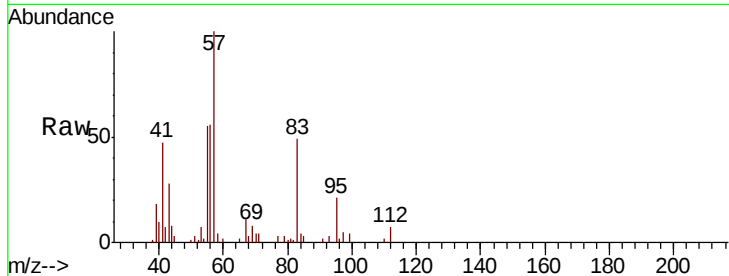




#48
Methvl methacrylate
Concen: 1.210 ug/l
RT: 9.23 min Scan# 2318
Delta R.T. 0.03 min
Lab File: VN052733.D
Acq: 7 Dec 2018 18:04

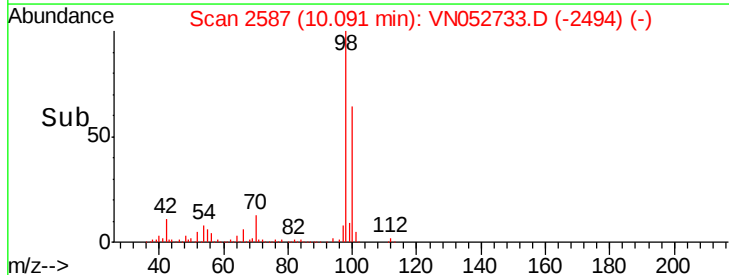
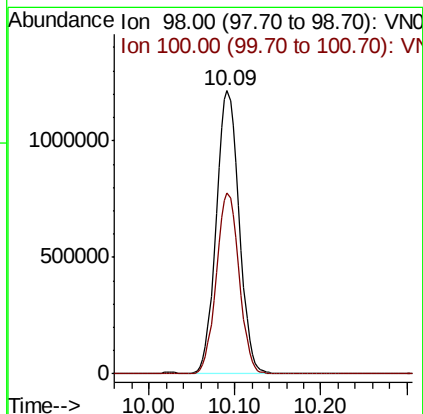
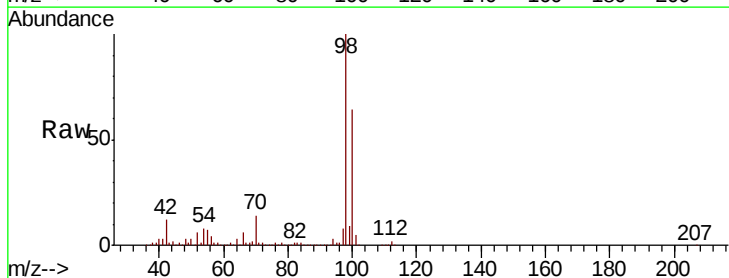
Instrument :
MSVOA_N
ClientSampleId :
MW-3

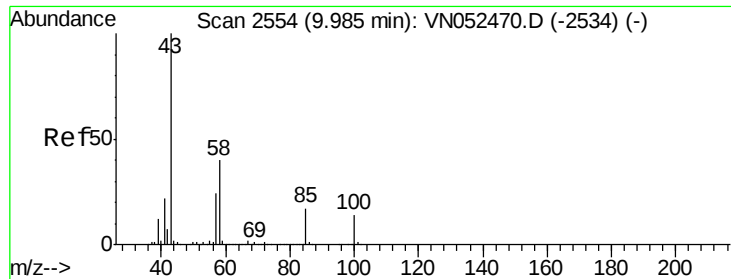
Tot Ion: 41 Resp: 11188
Ion Ratio Lower Upper
41 100
69 0.0 70.0 105.0#
39 0.0 42.6 64.0#



#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052733.D
Acq: 7 Dec 2018 18:04

Tgt Ion: 98 Resp: 2249843
Ion Ratio Lower Upper
98 100
100 63.7 51.3 76.9





#51

4-Methyl-2-Pentanone

Concen: 2.682 ug/l

RT: 10.02 min Scan# 2566

Delta R.T. 0.04 min

Lab File: VN052733.D

Acq: 7 Dec 2018 18:04

Instrument :

MSVOA_N

ClientSampled :

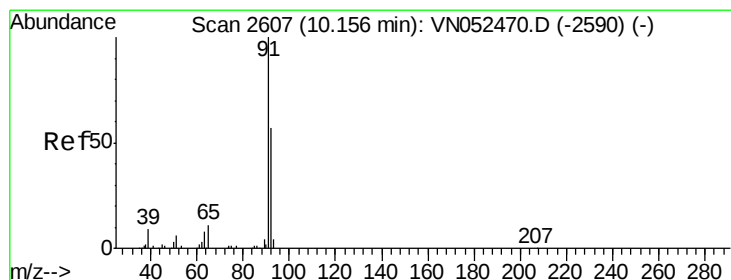
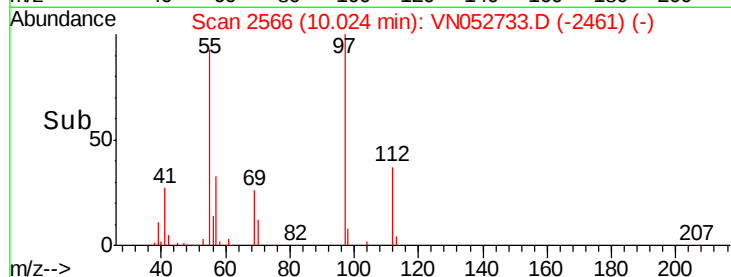
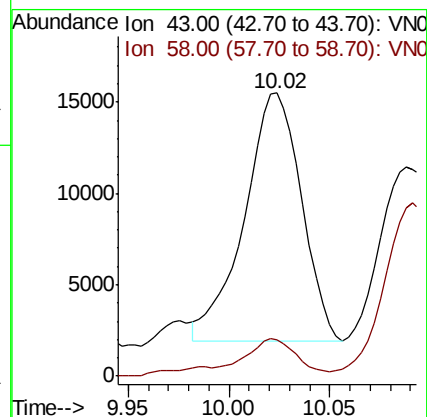
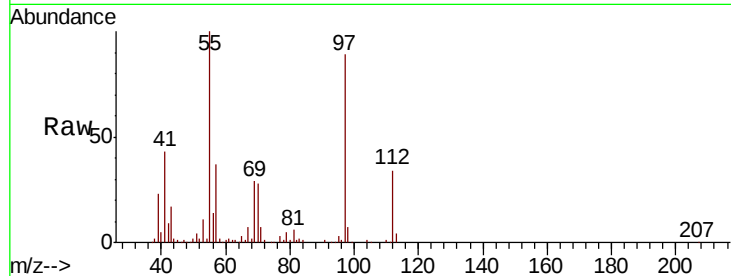
MW-3

Tot Ion: 43 Resp: 26673

Ion Ratio Lower Upper

43 100

58 16.7 31.5 47.3#



#52

Toluene

Concen: 8.147 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN052733.D

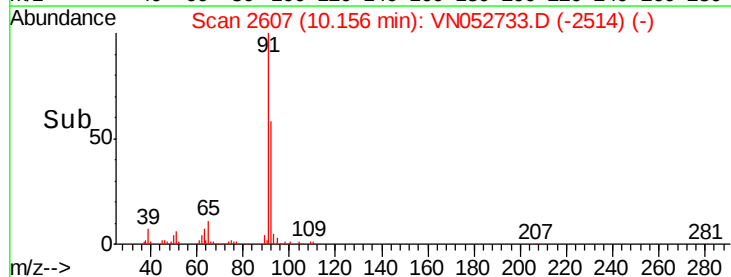
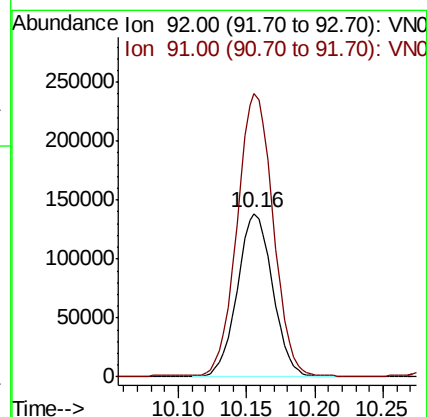
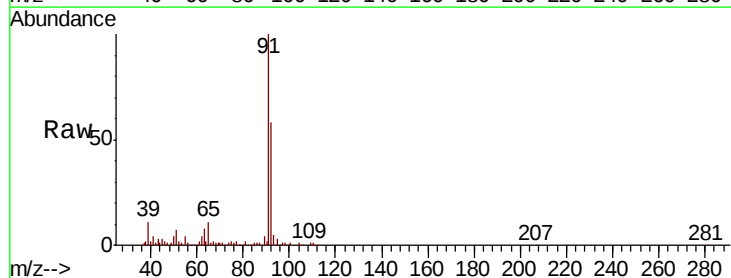
Acq: 7 Dec 2018 18:04

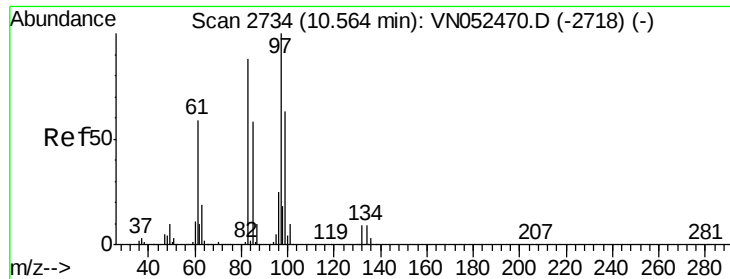
Tgt Ion: 92 Resp: 247596

Ion Ratio Lower Upper

92 100

91 177.3 141.0 211.4

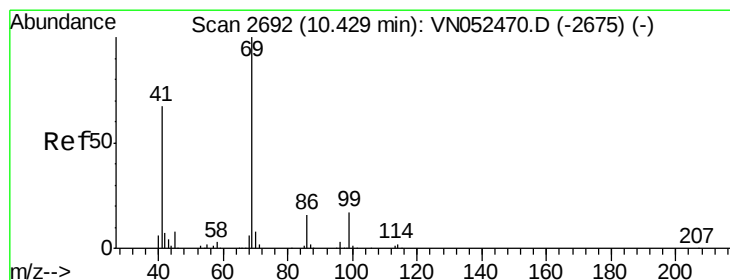
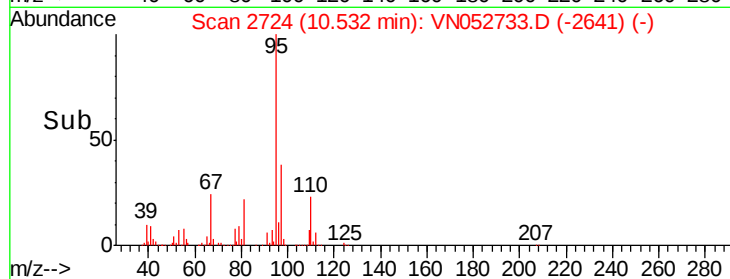
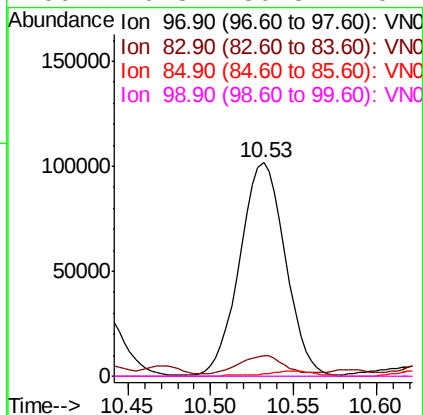
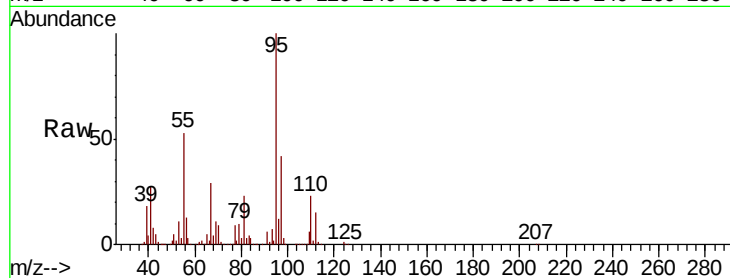




#55
 1,1,2-Trichloroethane
 Concen: 18.133 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.03 min
 Lab File: VN052733.D
 Acq: 7 Dec 2018 18:04

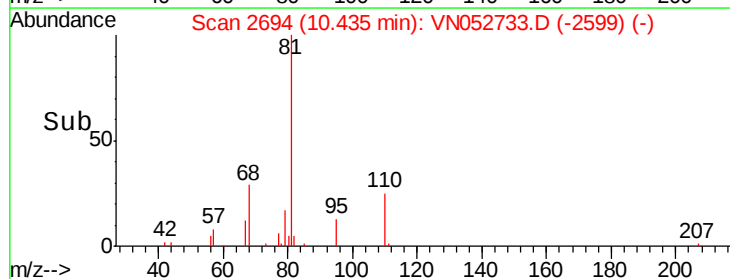
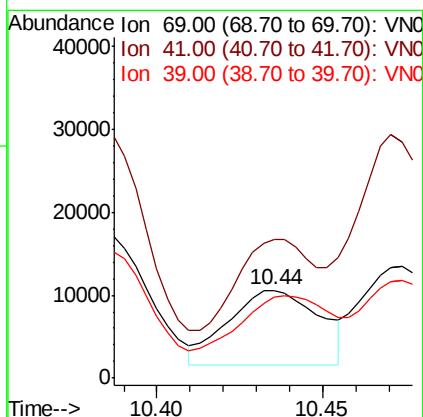
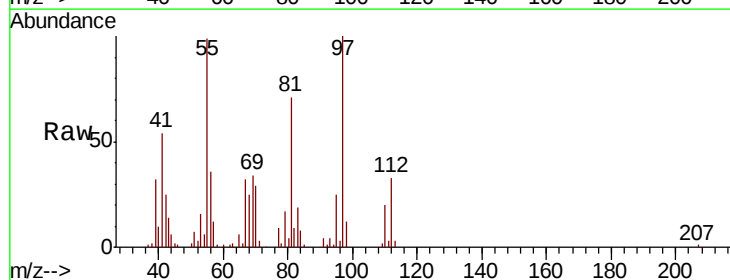
Instrument :
 MSVOA_N
 ClientSampled :
 MW-3

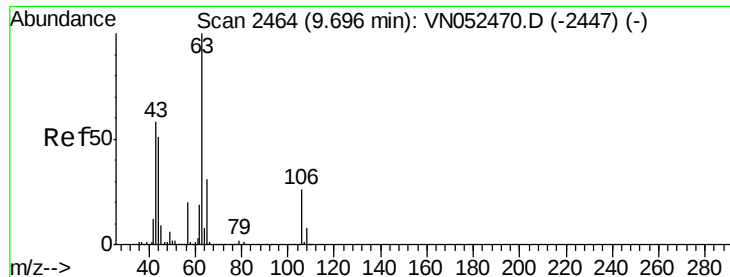
Tot Ion	97	Resp	193852
Ion	Ratio	Lower	Upper
97	100		
83	7.9	70.7	106.1#
85	1.1	46.1	69.1#
99	0.3	50.8	76.2#



#56
 Ethyl methacrylate
 Concen: 3.788 ug/l
 RT: 10.44 min Scan# 2694
 Delta R.T. 0.01 min
 Lab File: VN052733.D
 Acq: 7 Dec 2018 18:04

Tgt Ion	69	Resp	17173
Ion	Ratio	Lower	Upper
69	100		
41	94.1	52.6	79.0#
39	69.9	25.9	38.9#

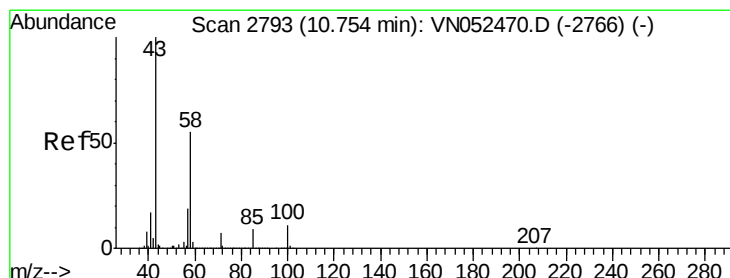
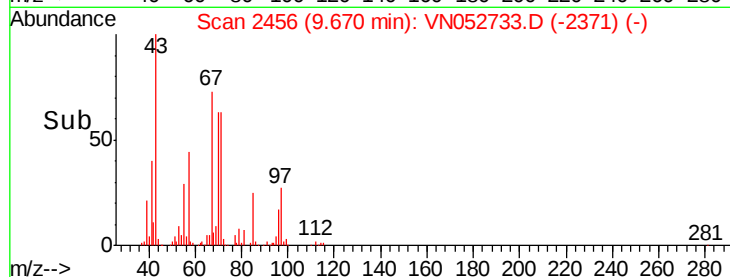
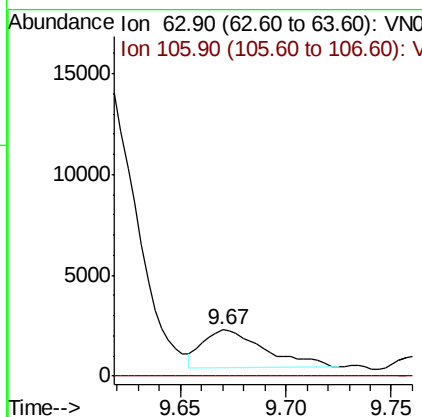
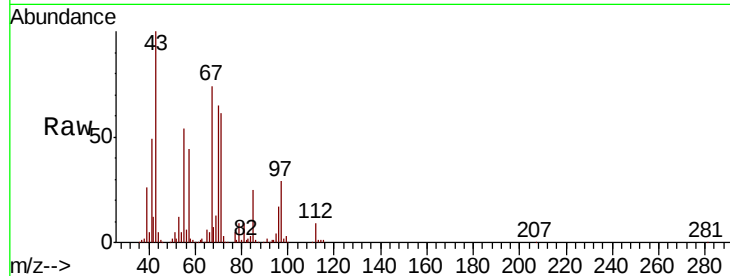




#58
 2-Chloroethyl Vinyl ether
 Concen: 0.495 ug/l
 RT: 9.67 min Scan# 2456
 Delta R.T. -0.03 min
 Lab File: VN052733.D
 Acq: 7 Dec 2018 18:04

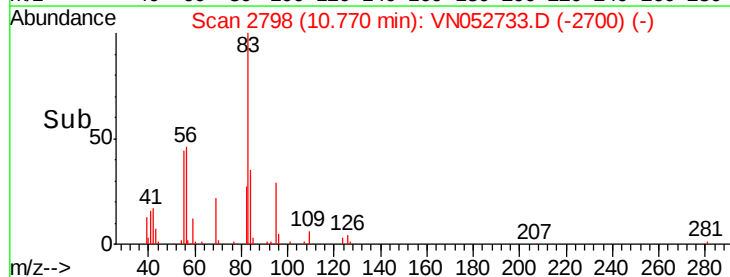
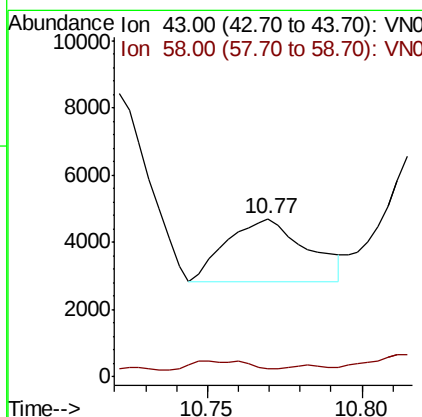
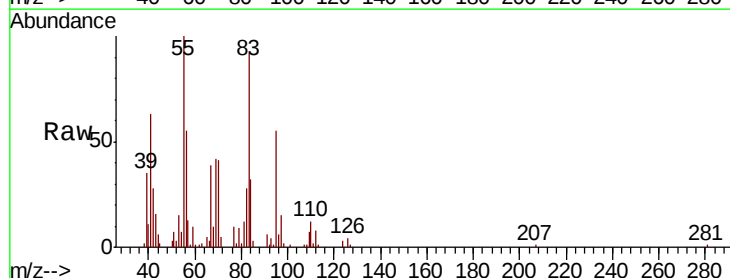
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3

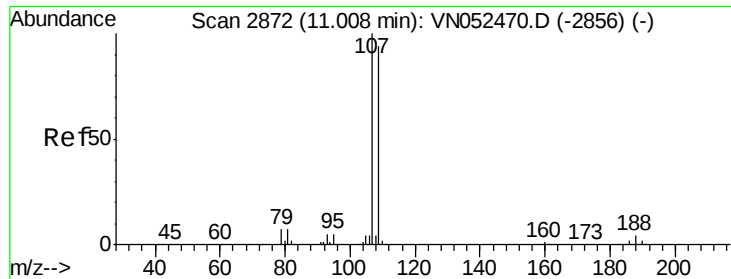
Tot Ion: 63 Resp: 3839
 Ion Ratio Lower Upper
 63 100
 106 0.0 20.6 30.8#



#59
 2-Hexanone
 Concen: 0.503 ug/l
 RT: 10.77 min Scan# 2798
 Delta R.T. 0.02 min
 Lab File: VN052733.D
 Acq: 7 Dec 2018 18:04

Tgt Ion: 43 Resp: 3359
 Ion Ratio Lower Upper
 43 100
 58 11.7 27.4 82.0#

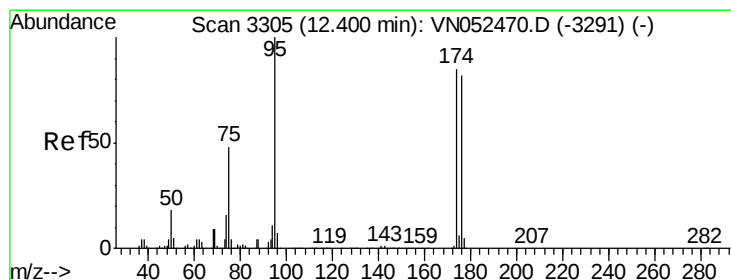
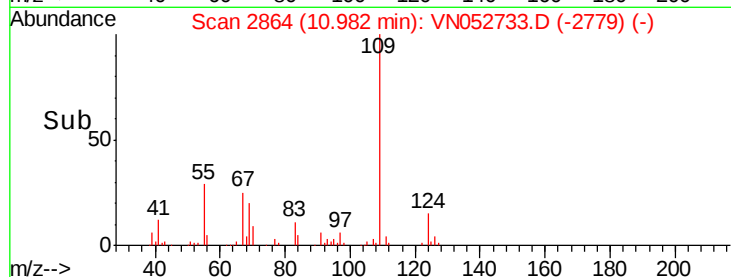
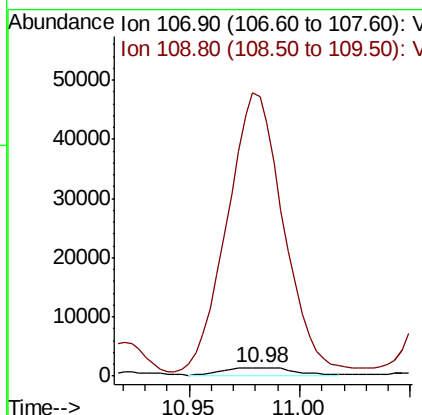
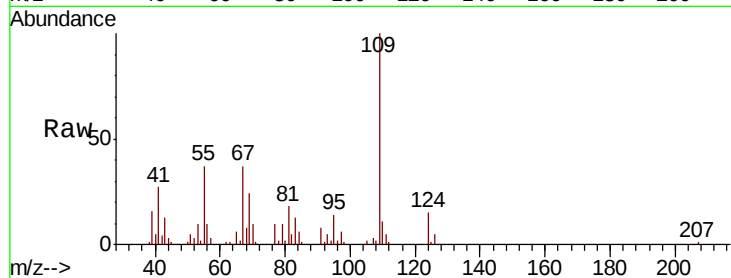




#61
 1,2-Dibromoethane
 Concen: 0.267 ug/l
 RT: 10.98 min Scan# 2864
 Delta R.T. -0.03 min
 Lab File: VN052733.D
 Acq: 7 Dec 2018 18:04

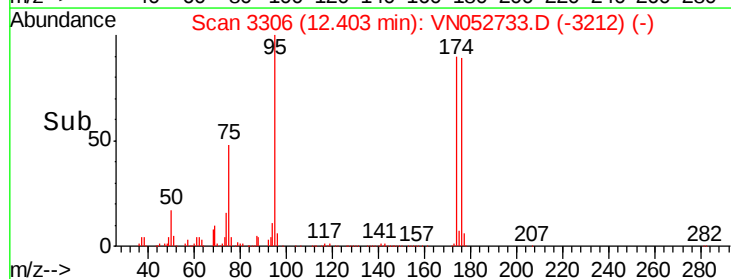
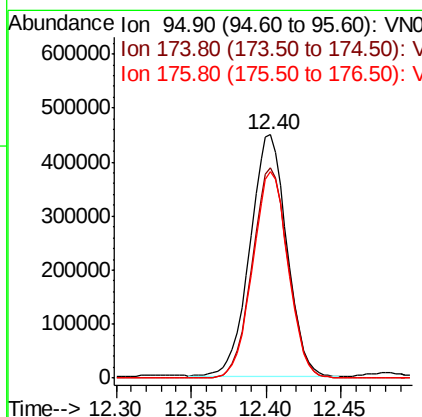
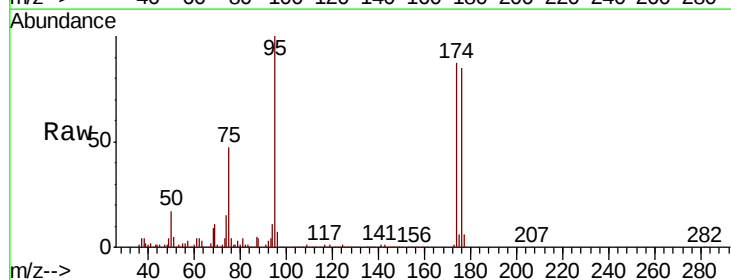
Instrument :
 MSVOA_N
 ClientSampled :
 MW-3

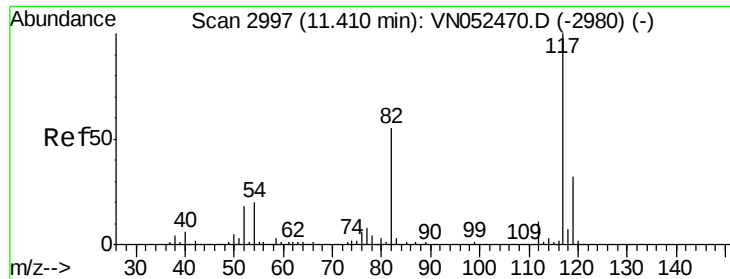
Tot Ion:107 Resp: 2838
 Ion Ratio Lower Upper
 107 100
 109 2941.1 75.6 113.4#



#62
 4-Bromofluorobenzene
 Concen: 0.267 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN052733.D
 Acq: 7 Dec 2018 18:04

Tgt Ion: 95 Resp: 767982
 Ion Ratio Lower Upper
 95 100
 174 84.7 0.0 173.0
 176 82.1 0.0 166.2

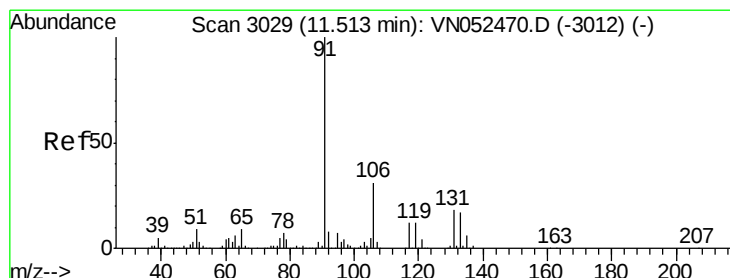
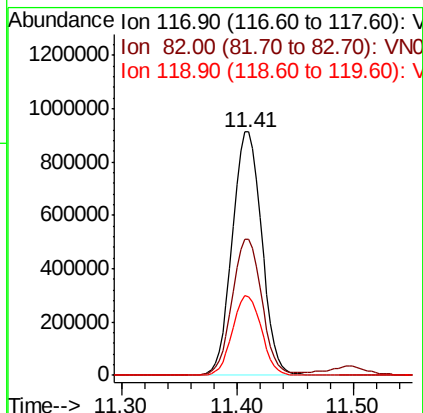
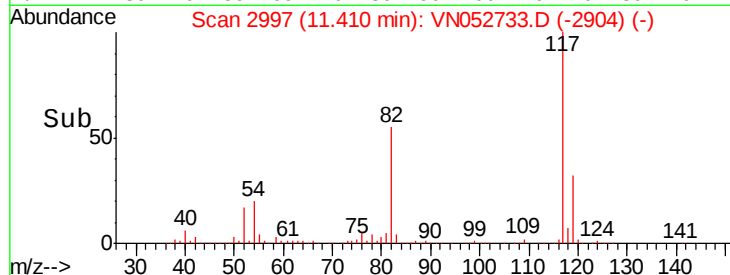
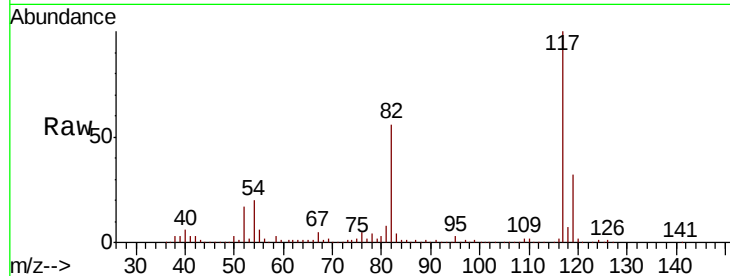




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN052733.D
Acq: 7 Dec 2018 18:04

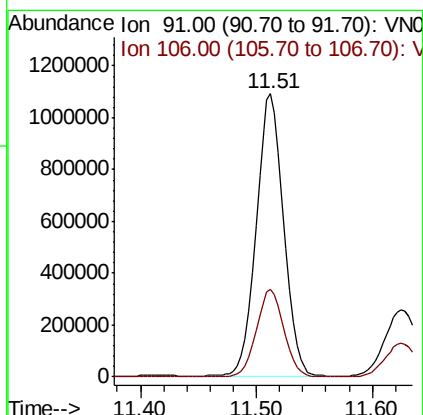
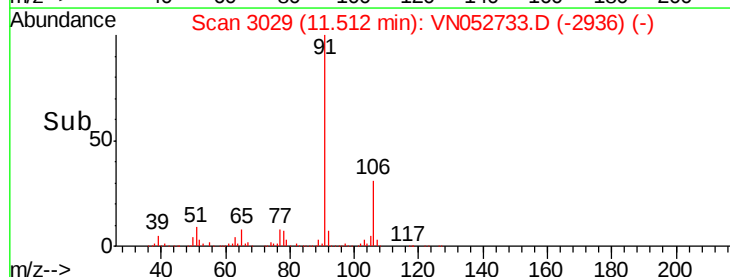
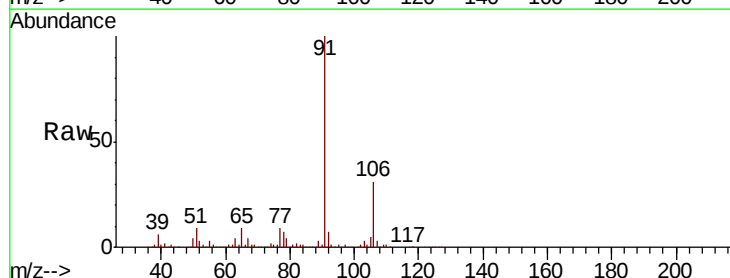
Instrument :
MSVOA_N
ClientSampleId :
MW-3

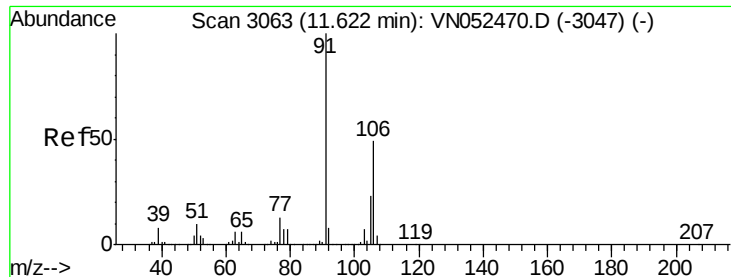
Tot Ion:117 Resp: 1606047
Ion Ratio Lower Upper
117 100
82 55.5 43.6 65.4
119 32.3 25.4 38.2



#67
Ethyl Benzene
Concen: 30.945 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN052733.D
Acq: 7 Dec 2018 18:04

Tgt Ion: 91 Resp: 1794572
Ion Ratio Lower Upper
91 100
106 31.1 24.9 37.3

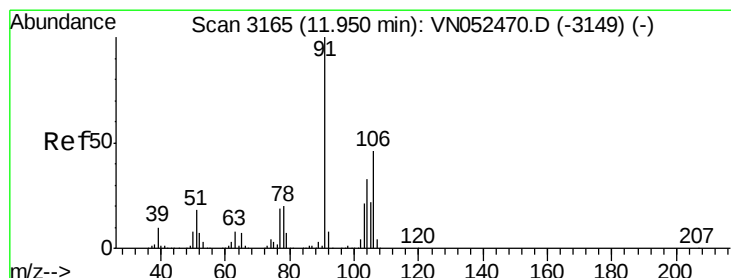
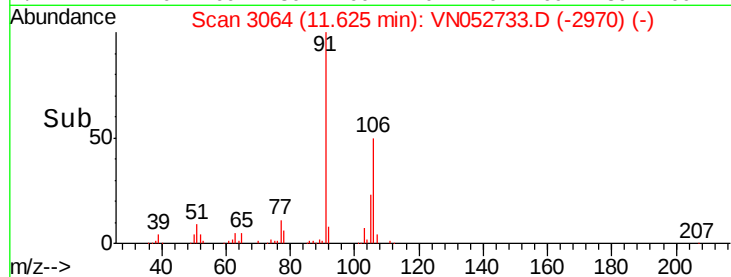
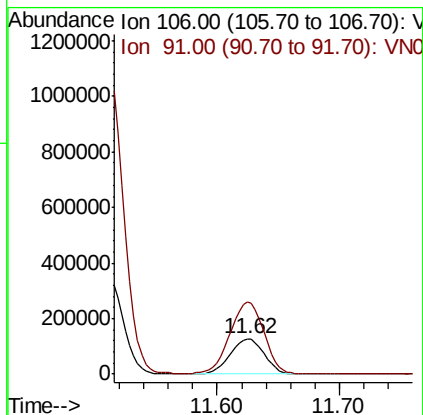
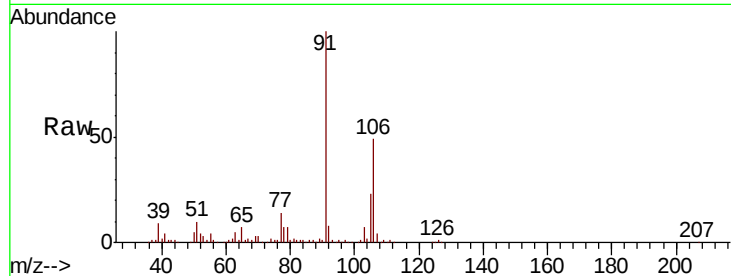




#68
m/p-Xylenes
Concen: 11.409 ug/l
RT: 11.62 min Scan# 3064
Delta R.T. 0.00 min
Lab File: VN052733.D
Acq: 7 Dec 2018 18:04

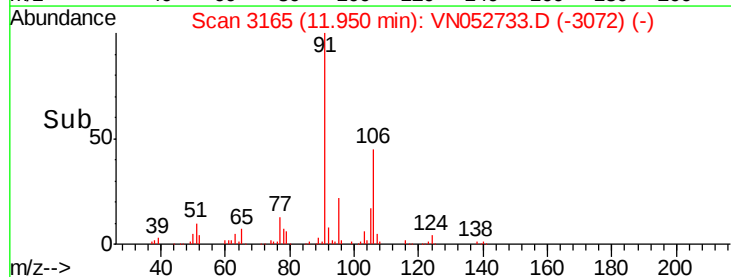
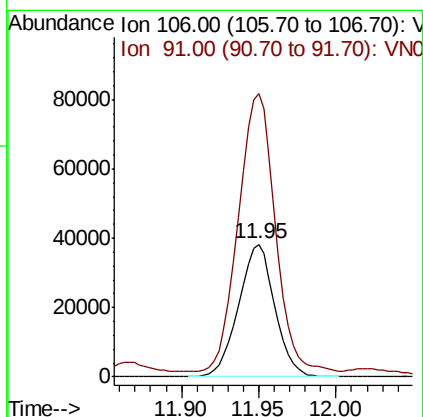
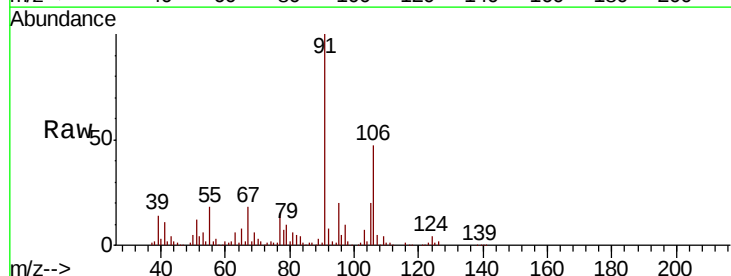
Instrument :
MSVOA_N
ClientSampled :
MW-3

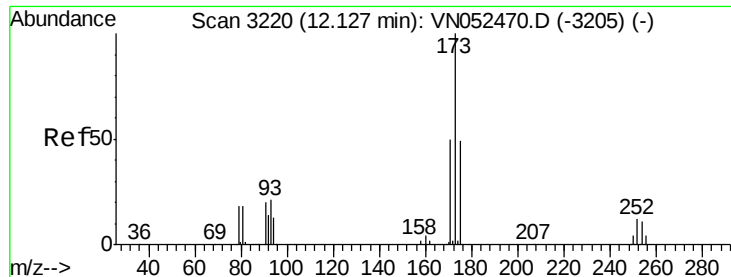
Tot Ion:106 Resp: 246306
Ion Ratio Lower Upper
106 100
91 202.2 163.2 244.8



#69
o-Xylene
Concen: 2.965 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN052733.D
Acq: 7 Dec 2018 18:04

Tgt Ion:106 Resp: 62171
Ion Ratio Lower Upper
106 100
91 214.1 107.7 323.1





#71

Bromoform

Concen: 0.609 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN052733.D

Acq: 7 Dec 2018 18:04

Instrument :

MSVOA_N

ClientSampled :

MW-3

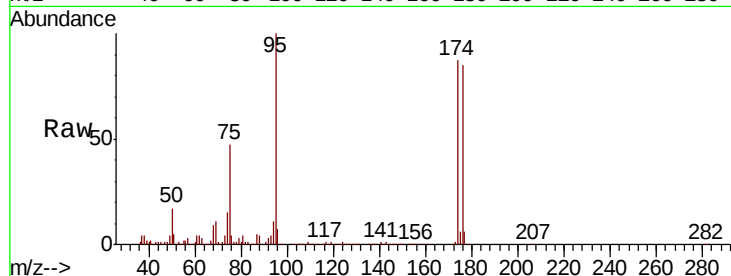
Tot Ion:173 Resp: 4645

Ion Ratio Lower Upper

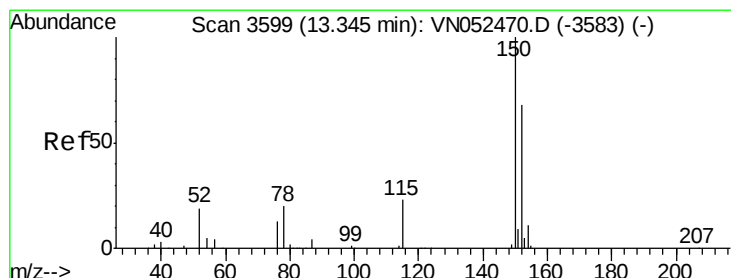
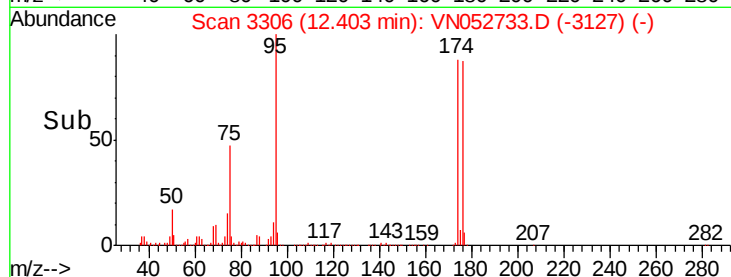
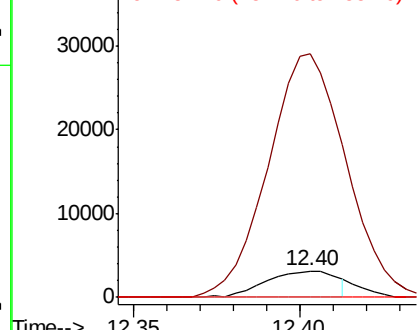
173 100

175 884.6 24.4 73.2#

254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN052733.D

Acq: 7 Dec 2018 18:04

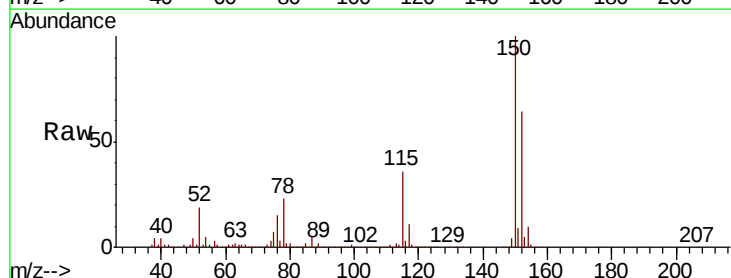
Tgt Ion:152 Resp: 688464

Ion Ratio Lower Upper

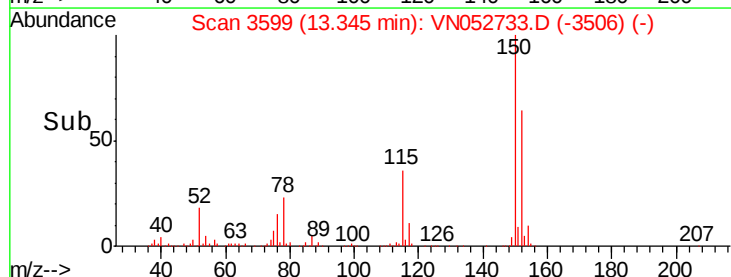
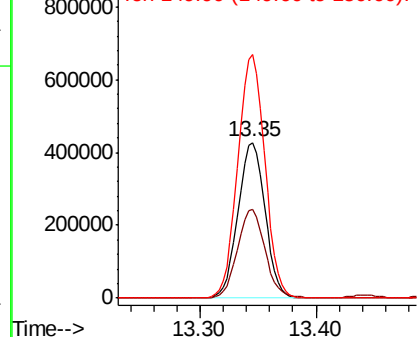
152 100

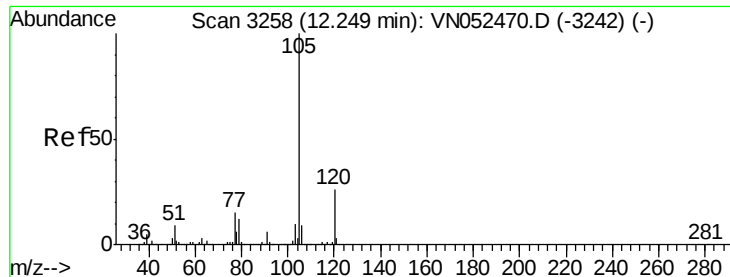
115 57.4 28.4 85.2

150 156.5 0.0 346.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 77.074 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052733.D

Acq: 7 Dec 2018 18:04

Instrument :

MSVOA_N

ClientSampled :

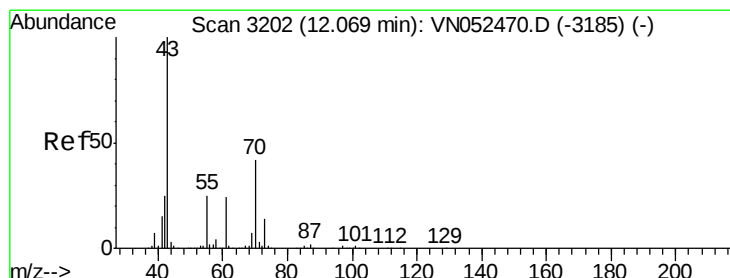
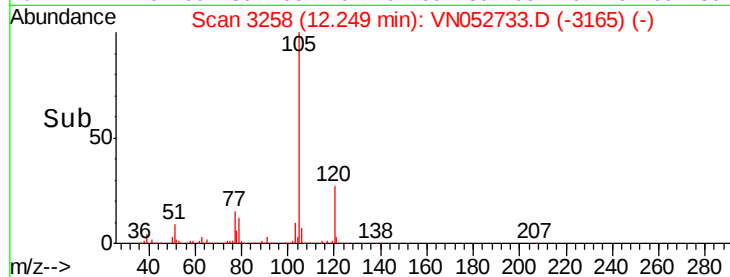
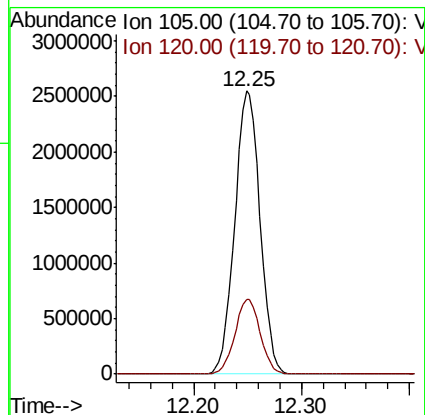
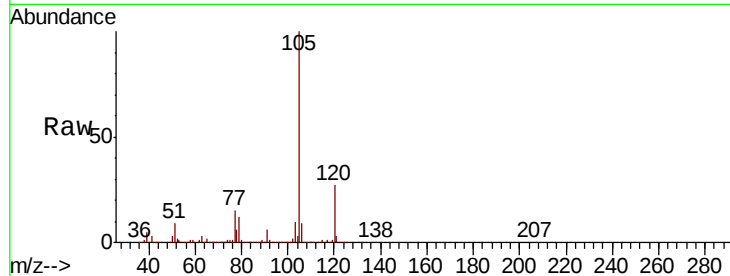
MW-3

Tot Ion:105 Resp: 4163103

Ion Ratio Lower Upper

105 100

120 26.5 13.1 39.3



#74

N-ethyl acetate

Concen: 0.386 ug/l

RT: 12.06 min Scan# 3199

Delta R.T. -0.01 min

Lab File: VN052733.D

Acq: 7 Dec 2018 18:04

Tgt Ion: 43 Resp: 5263

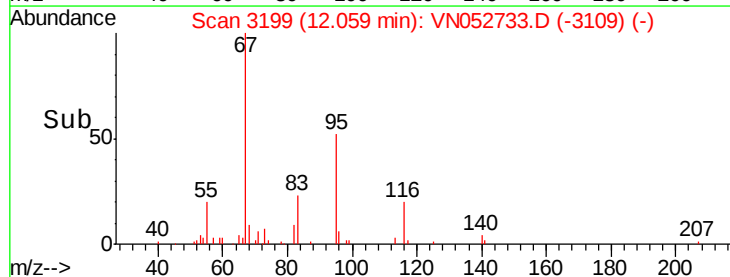
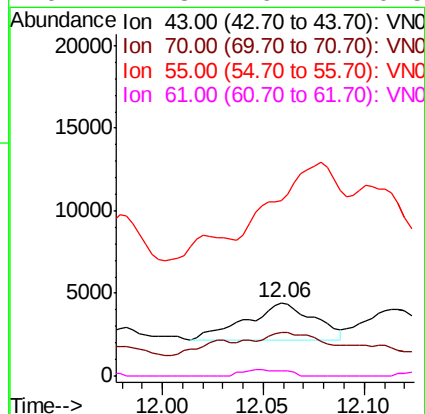
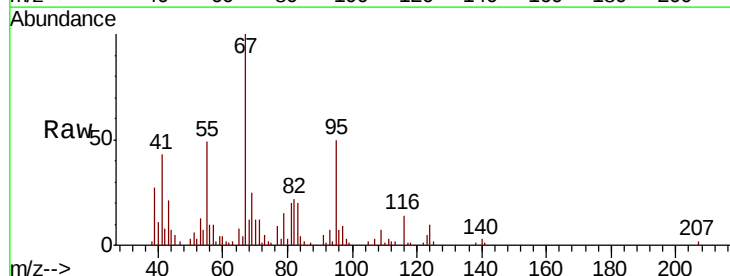
Ion Ratio Lower Upper

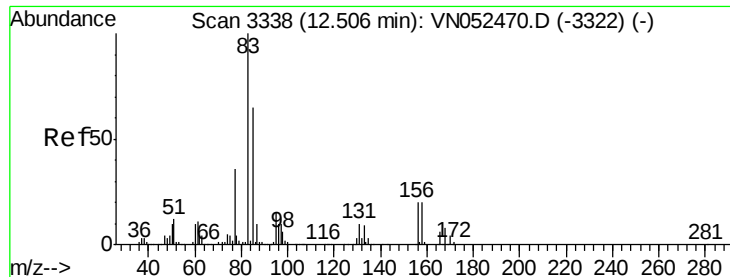
43 100

70 28.7 33.8 50.8#

55 0.0 20.0 30.0#

61 7.8 19.7 29.5#





#75

1,1,2,2-Tetrachloroethane

Concen: 0.332 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.03 min

Lab File: VN052733.D

Acq: 7 Dec 2018 18:04

Instrument :

MSVOA_N

ClientSampled :

MW-3

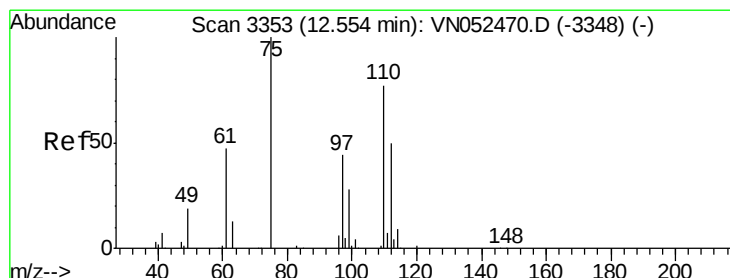
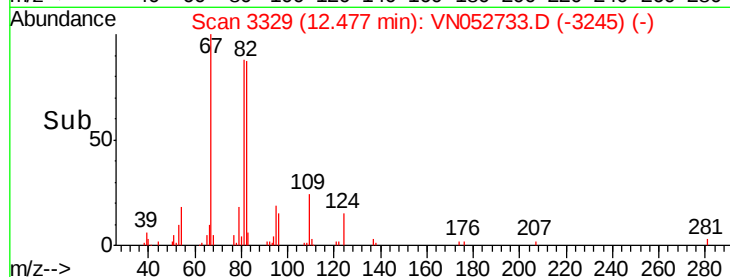
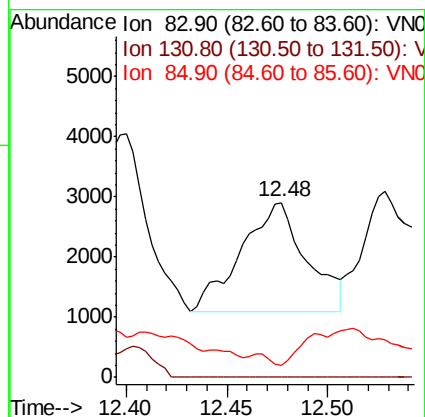
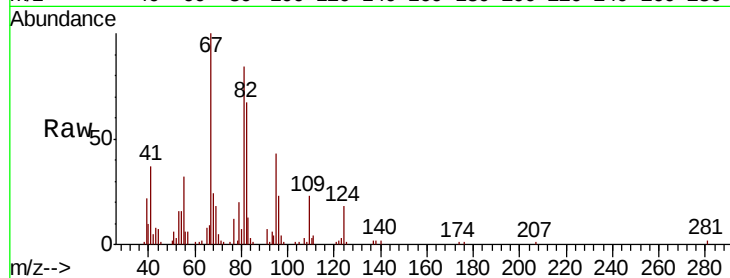
Tot Ion: 83 Resp: 4084

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

85 11.8 31.9 95.9#



#76

1,2,3-Trichloropropane

Concen: 1.721 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.04 min

Lab File: VN052733.D

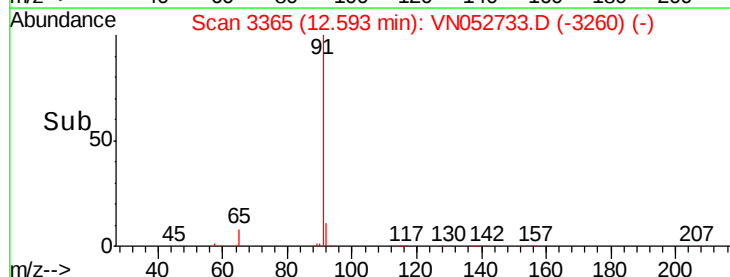
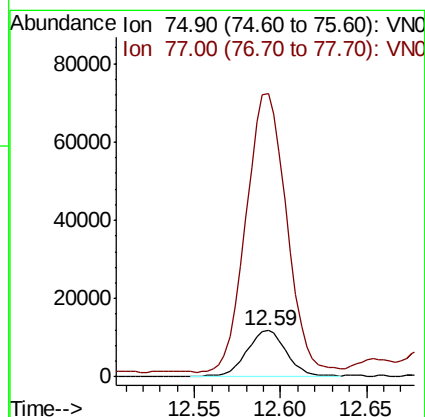
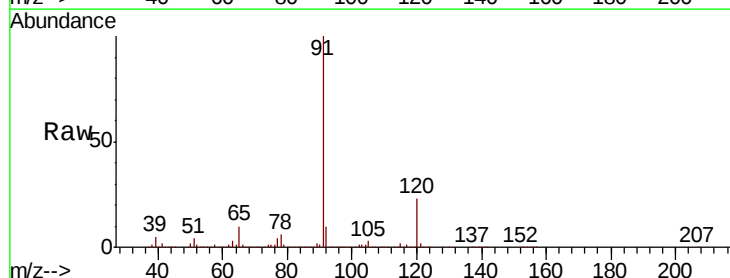
Acq: 7 Dec 2018 18:04

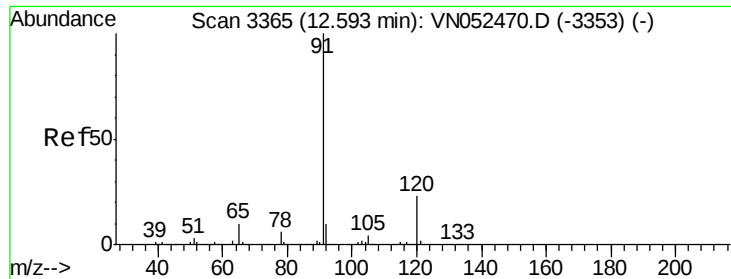
Tgt Ion: 75 Resp: 18274

Ion Ratio Lower Upper

75 100

77 634.3 0.0 0.0#





#78

n-propylbenzene

Concen: 51.044 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN052733.D

Acq: 7 Dec 2018 18:04

Instrument :

MSVOA_N

ClientSampled :

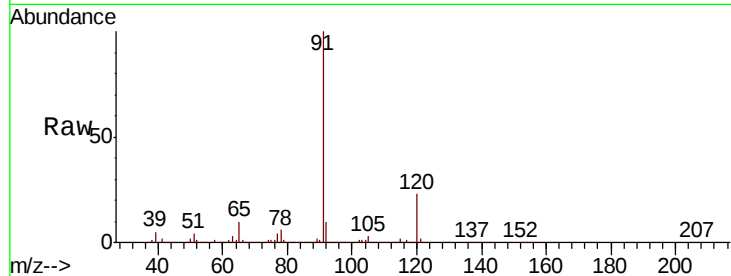
MW-3

Tot Ion: 91 Resp: 3132174

Ion Ratio Lower Upper

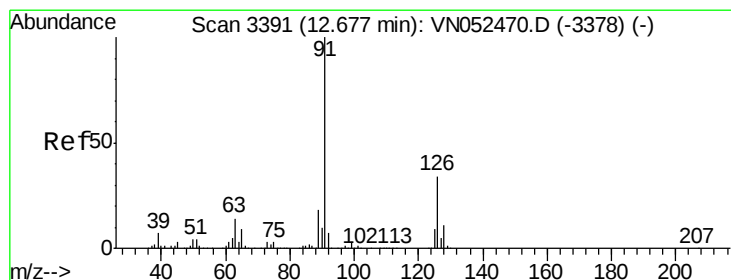
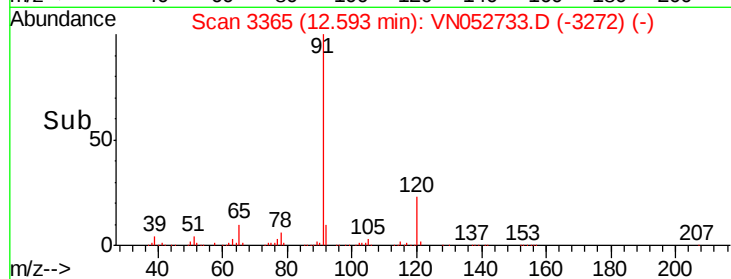
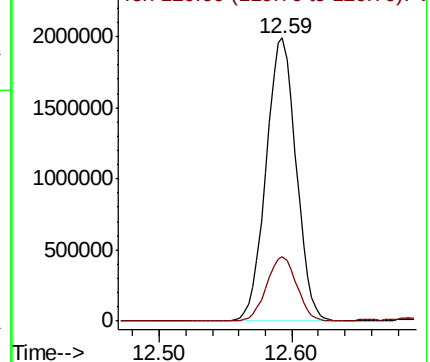
91 100

120 22.7 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 85.715 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.08 min

Lab File: VN052733.D

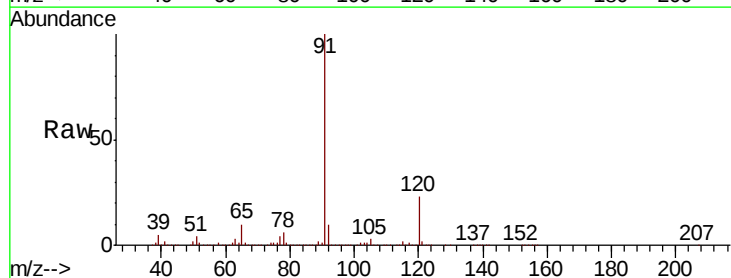
Acq: 7 Dec 2018 18:04

Tgt Ion: 91 Resp: 3132174

Ion Ratio Lower Upper

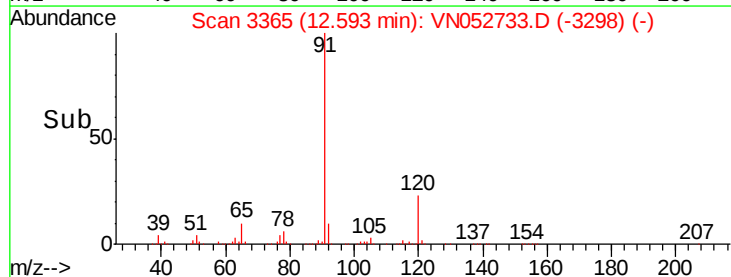
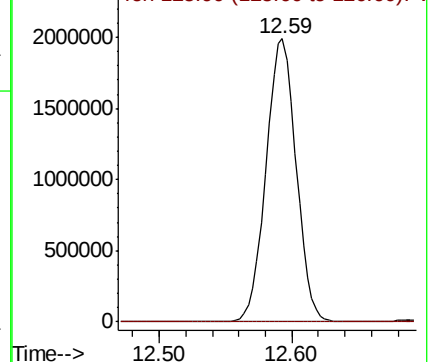
91 100

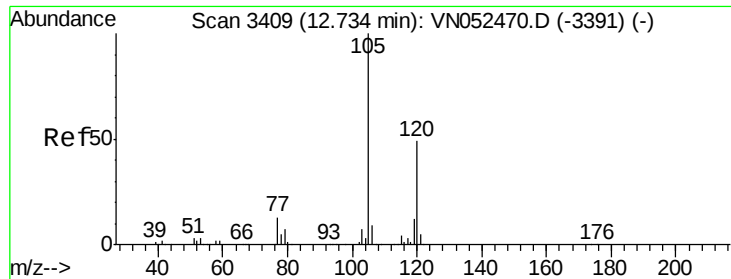
126 0.0 17.2 51.6#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

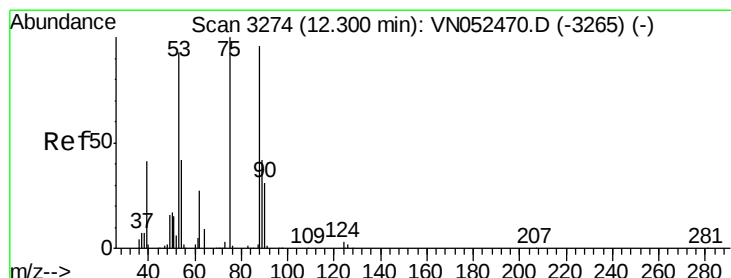
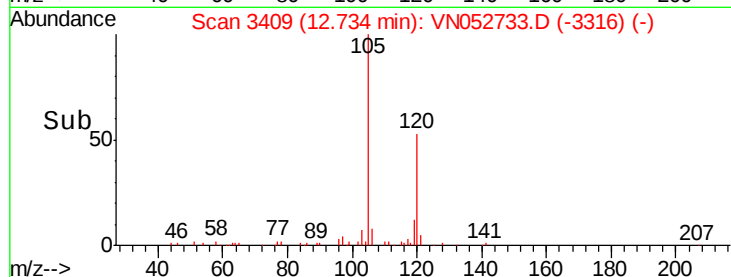
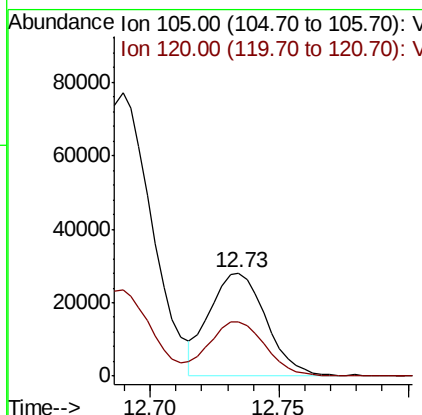
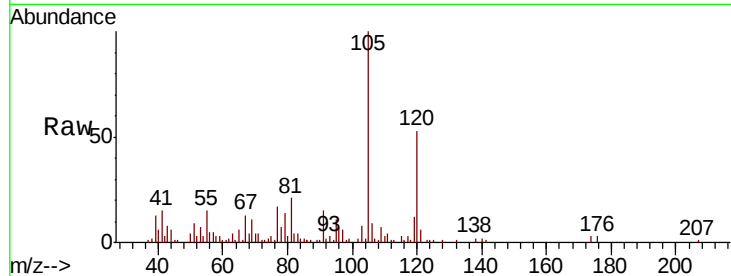




#80
 1,3,5-Trimethylbenzene
 Concen: 0.977 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. -0.00 min
 Lab File: VN052733.D
 Acq: 7 Dec 2018 18:04

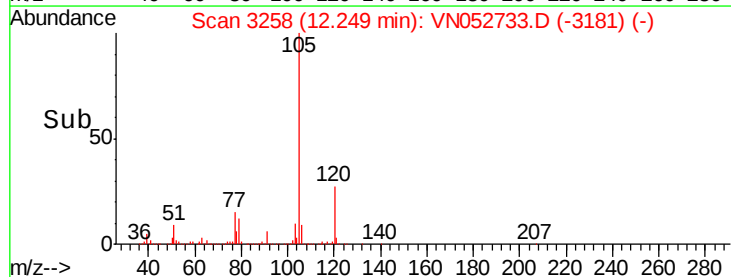
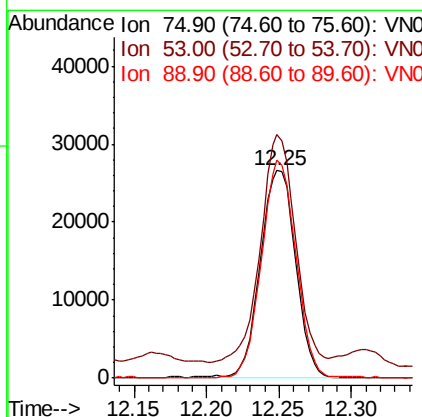
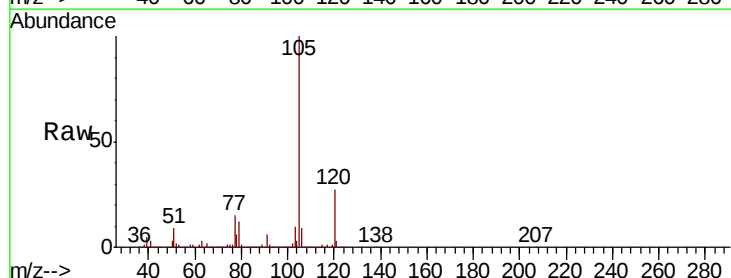
Instrument :
 MSVOA_N
 ClientSampled :
 MW-3

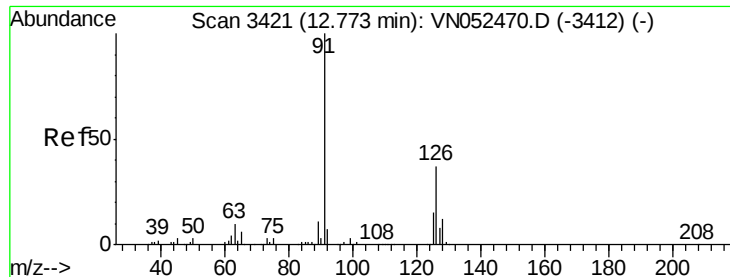
Tot Ion:105 Resp: 42106
 Ion Ratio Lower Upper
 105 100
 120 53.4 24.3 73.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 14.309 ug/l
 RT: 12.25 min Scan# 3258
 Delta R.T. -0.05 min
 Lab File: VN052733.D
 Acq: 7 Dec 2018 18:04

Tgt Ion: 75 Resp: 45488
 Ion Ratio Lower Upper
 75 100
 53 106.4 77.4 116.0
 89 101.4 35.4 53.2#

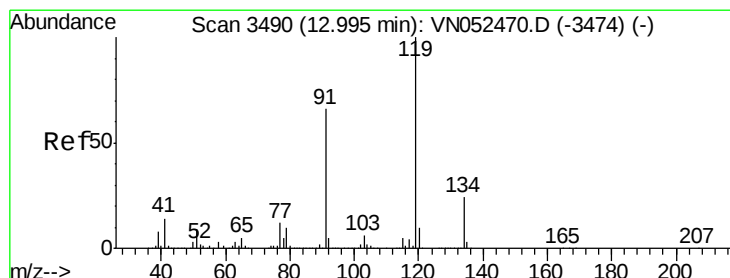
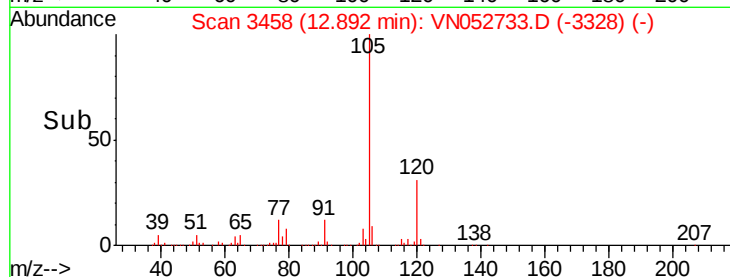
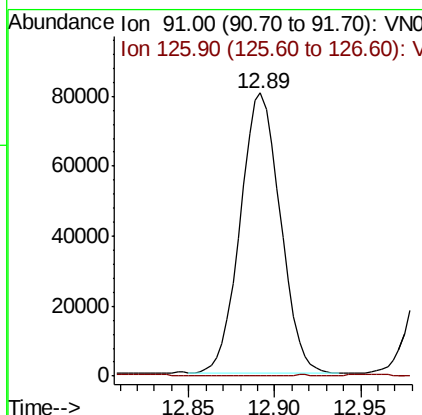
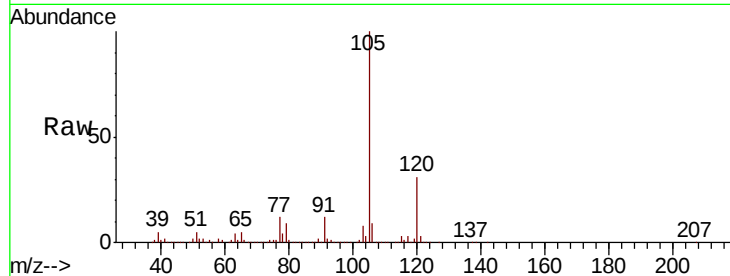




#82
4-Chlorotoluene
Concen: 3.506 ug/l
RT: 12.89 min Scan# 3458
Delta R.T. 0.12 min
Lab File: VN052733.D
Acq: 7 Dec 2018 18:04

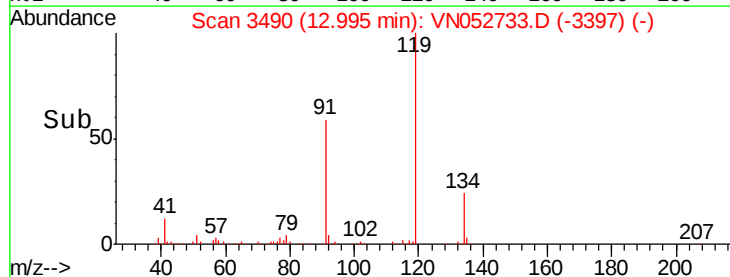
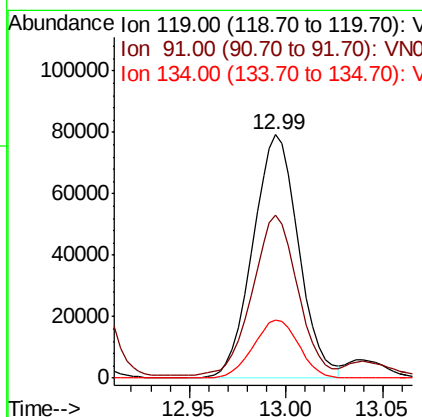
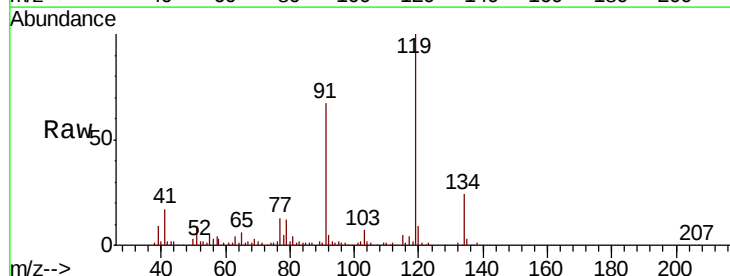
Instrument :
MSVOA_N
ClientSampleId :
MW-3

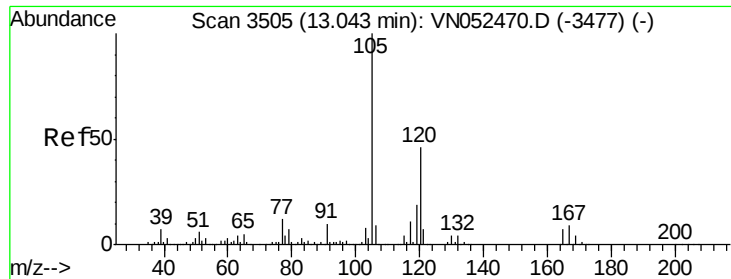
Tot Ion: 91 Resp: 129104
Ion Ratio Lower Upper
91 100
126 0.0 16.9 50.6#



#83
tert-Butylbenzene
Concen: 3.401 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN052733.D
Acq: 7 Dec 2018 18:04

Tgt Ion: 119 Resp: 130630
Ion Ratio Lower Upper
119 100
91 64.6 32.3 96.9
134 23.7 13.0 38.9

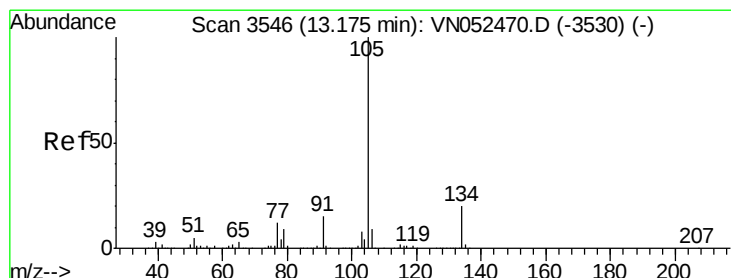
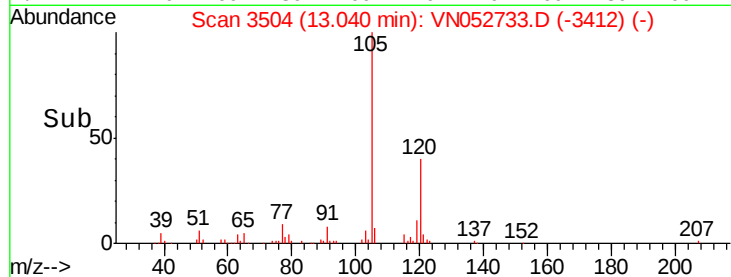
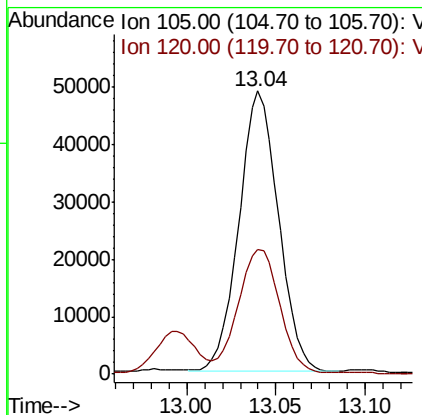
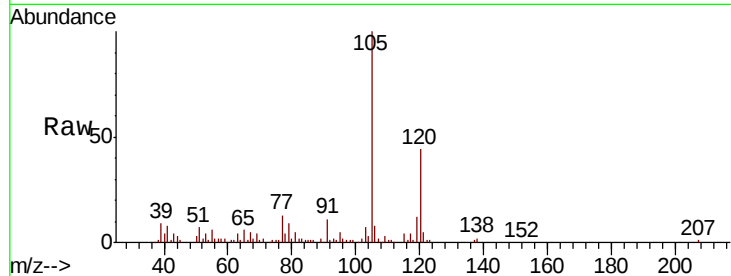




#84
 1,2,4-Trimethylbenzene
 Concen: 1.757 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052733.D
 Acq: 7 Dec 2018 18:04

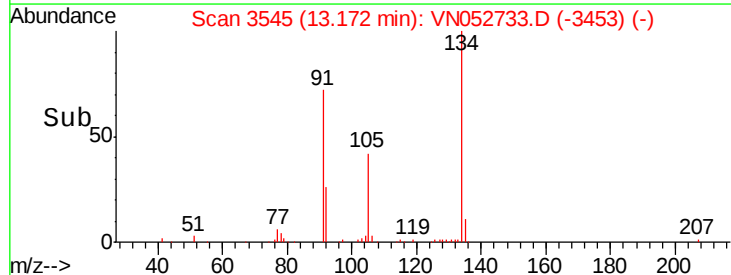
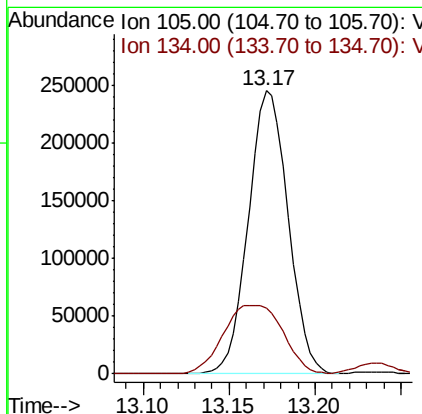
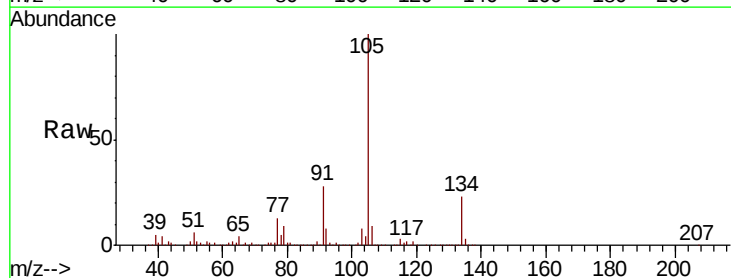
Instrument :
 MSVOA_N
 ClientSampled :
 MW-3

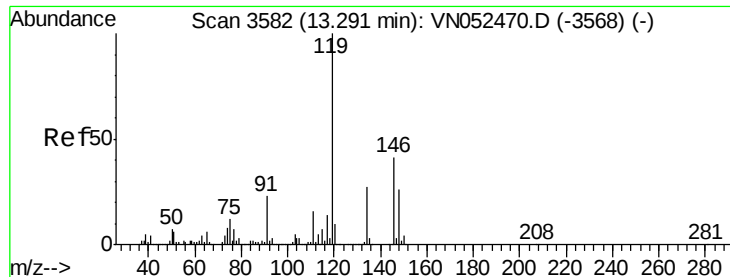
Tot Ion:105 Resp: 75847
 Ion Ratio Lower Upper
 105 100
 120 46.0 22.8 68.4



#85
 sec-Butylbenzene
 Concen: 7.498 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN052733.D
 Acq: 7 Dec 2018 18:04

Tgt Ion:105 Resp: 392215
 Ion Ratio Lower Upper
 105 100
 134 36.7 9.9 29.7#

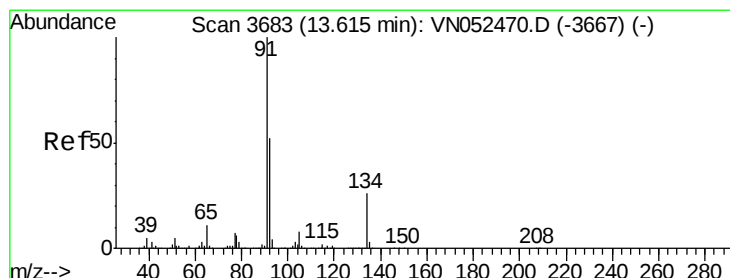
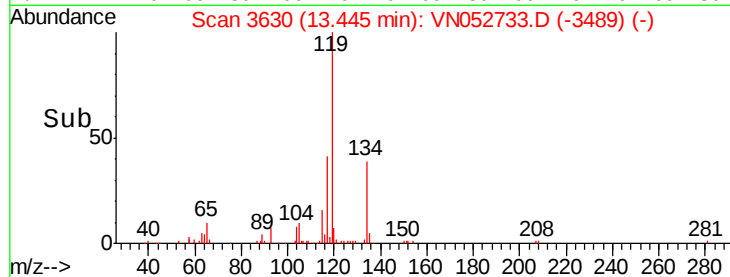
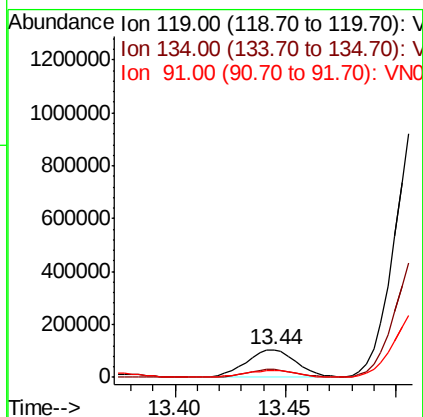
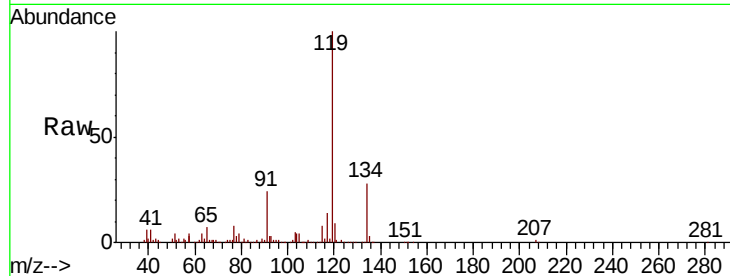




#86
 p-Isopropyltoluene
 Concen: 3.666 ug/l
 RT: 13.44 min Scan# 3630
 Delta R.T. 0.15 min
 Lab File: VN052733.D
 Acq: 7 Dec 2018 18:04

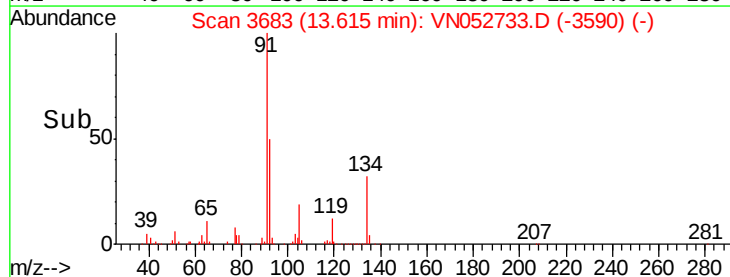
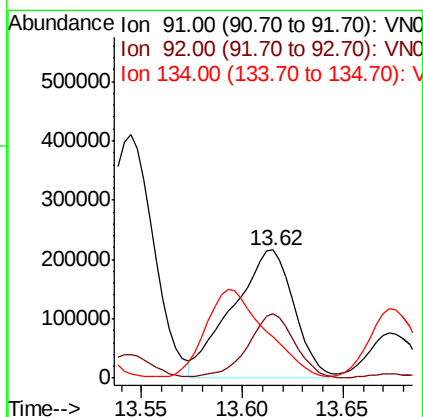
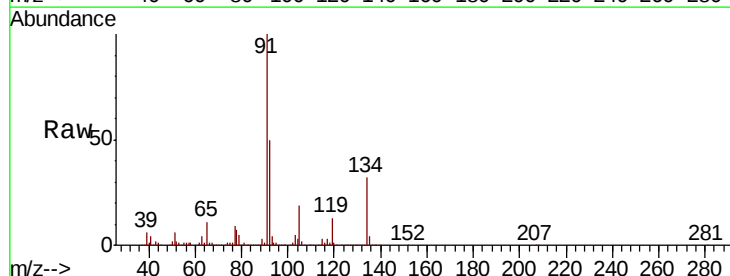
Instrument :
 MSVOA_N
 ClientSampled :
 MW-3

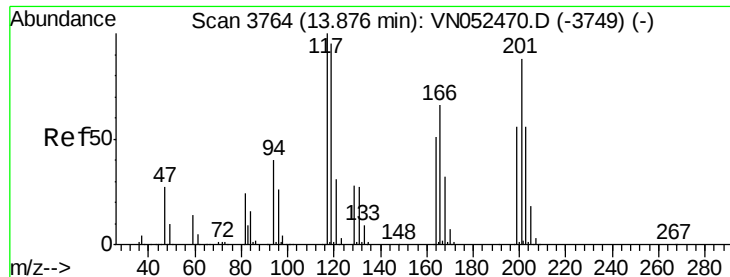
Tot Ion:119 Resp: 163352
 Ion Ratio Lower Upper
 119 100
 134 28.7 13.4 40.2
 91 23.5 11.4 34.2



#89
 n-Butylbenzene
 Concen: 12.315 ug/l
 RT: 13.62 min Scan# 3683
 Delta R.T. -0.00 min
 Lab File: VN052733.D
 Acq: 7 Dec 2018 18:04

Tgt Ion: 91 Resp: 456311
 Ion Ratio Lower Upper
 91 100
 92 38.8 26.1 78.3
 134 0.0 13.0 38.9#





#90

Hexachloroethane

Concen: 71.795 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.01 min

Lab File: VN052733.D

Acq: 7 Dec 2018 18:04

Instrument :

MSVOA_N

ClientSampleId :

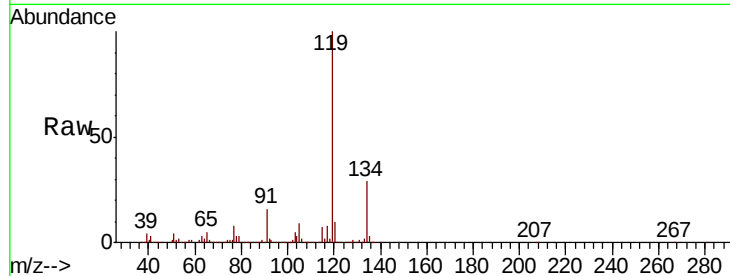
MW-3

Tot Ion:117 Resp: 541601

Ion Ratio Lower Upper

117 100

201 0.0 43.6 130.9#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

13.89

400000

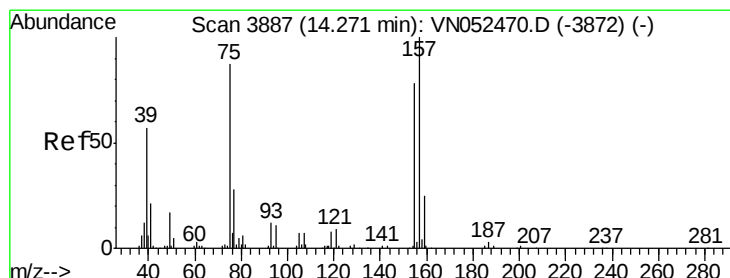
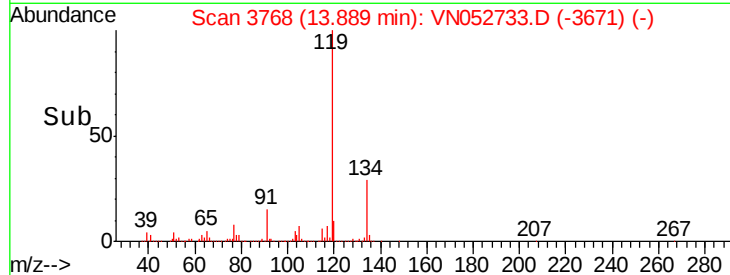
300000

200000

100000

0

Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.323 ug/l

RT: 14.30 min Scan# 3895

Delta R.T. 0.03 min

Lab File: VN052733.D

Acq: 7 Dec 2018 18:04

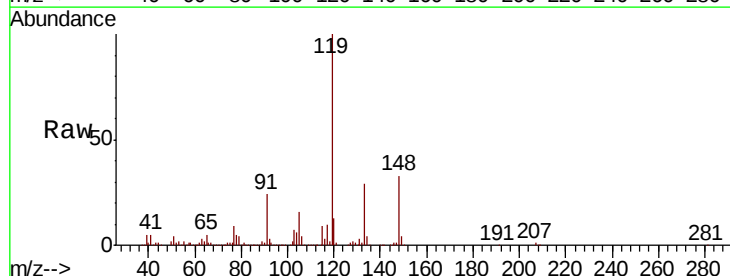
Tgt Ion: 75 Resp: 2325

Ion Ratio Lower Upper

75 100

155 0.0 45.3 135.9#

157 0.0 58.1 174.2#



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

2000

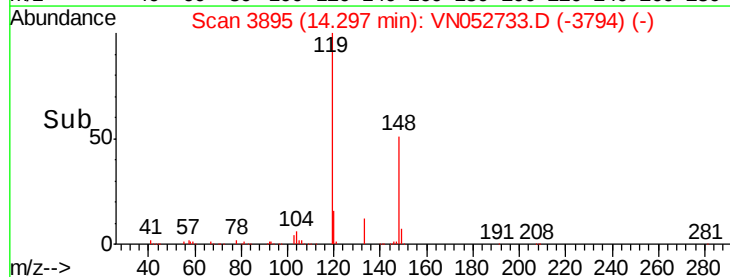
1500

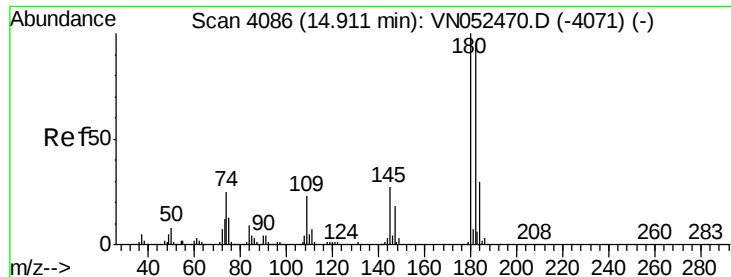
1000

500

0

Time-->

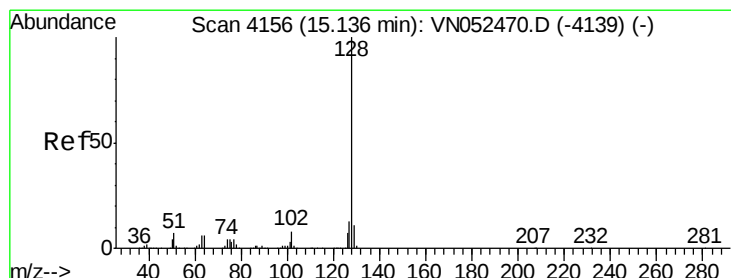
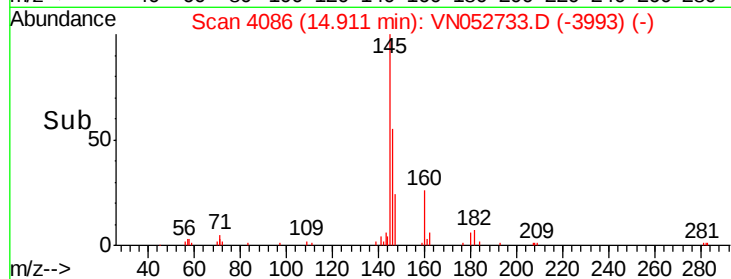
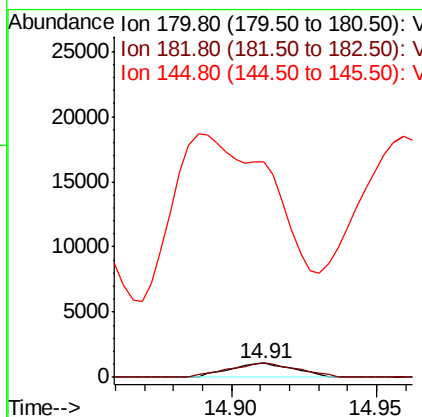
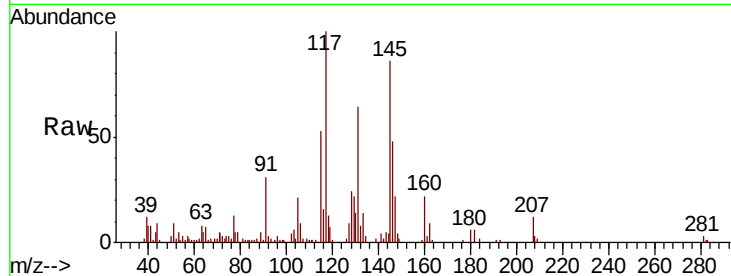




#93
 1,2,4-Trichlorobenzene
 Concen: 2.958 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052733.D
 Acq: 7 Dec 2018 18:04

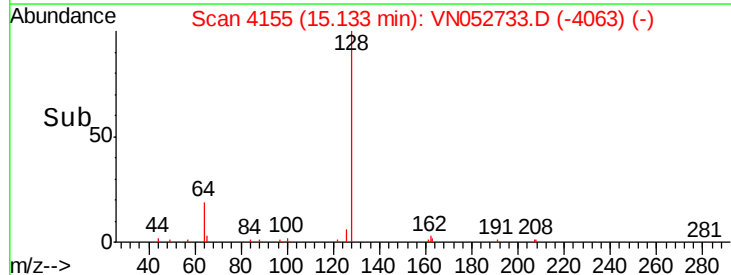
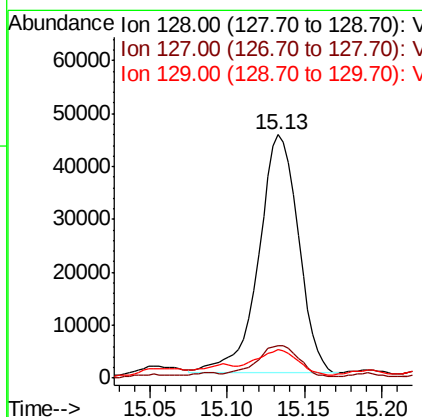
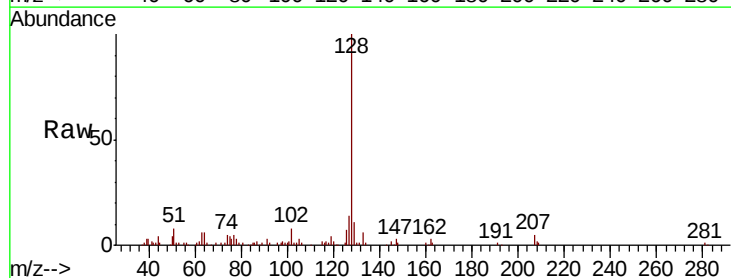
Instrument :
 MSVOA_N
 ClientSampled :
 MW-3

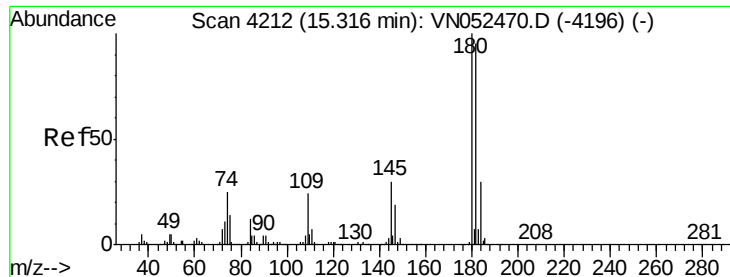
Tot Ion:180 Resp: 1665
 Ion Ratio Lower Upper
 180 100
 182 107.1 47.8 143.4
 145 0.0 14.1 42.3#



#95
 Naphthalene
 Concen: 6.333 ug/l
 RT: 15.13 min Scan# 4156
 Delta R.T. -0.00 min
 Lab File: VN052733.D
 Acq: 7 Dec 2018 18:04

Tgt Ion:128 Resp: 80838
 Ion Ratio Lower Upper
 128 100
 127 14.3 10.2 15.2
 129 10.8 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 2.869 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. -0.00 min
 Lab File: VN052733.D
 Acq: 7 Dec 2018 18:04

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3

Tot Ion	Ratio	Lower	Upper
180	100		
182	109.7	47.8	143.3
145	0.0	15.2	45.5#

