

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111920\
 Data File : VN064730.D
 Acq On : 19 Nov 2020 14:01
 Operator : JC/MD
 Sample : L4783-18
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-5

Quant Time: Nov 20 03:46:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 18 15:29:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	328288	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	634981	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	502028	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	239230	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	256874	44.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.96%	
35) Dibromofluoromethane	7.55	113	172822	47.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.64%	
50) Toluene-d8	10.06	98	810321	49.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.66%	
62) 4-Bromofluorobenzene	12.38	95	281559	45.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.72%	

Target Compounds

						Qvalue
11) Tert butyl alcohol	4.74	59	248964	444.357	ug/l	97
13) Acrolein	3.52	56	87972	670.648	ug/l #	1
14) Allyl chloride	4.38	41	121780	20.095	ug/l #	1
15) Acrylonitrile	5.00	53	15399	9.360	ug/l #	24
16) Acetone	3.76	43	201108	146.076	ug/l #	62
18) Methyl Acetate	4.49	43	367939	85.837	ug/l #	54
19) Methyl tert-butyl Ether	5.00	73	315278	26.696	ug/l #	1
20) Methylene Chloride	4.48	84	2584	0.604	ug/l #	1
23) Vinyl Acetate	5.88	43	21084	2.041	ug/l #	75
24) 1,1-Dichloroethane	5.88	63	7775	1.037	ug/l #	84
25) 2-Butanone	6.78	43	16089	7.287	ug/l #	71
28) Bromochloromethane	7.34	49	7505	1.985	ug/l #	17
29) Tetrahydrofuran	7.17	42	2632	1.764	ug/l #	44
30) Chloroform	7.35	83	18736	2.299	ug/l #	50
31) Cyclohexane	7.61	56	276113	44.223	ug/l	98
36) 1,1-Dichloropropene	7.63	75	28696	4.393	ug/l #	51
37) Ethyl Acetate	6.78	43	16089	2.941	ug/l #	77
38) Carbon Tetrachloride	7.62	117	36256	5.222	ug/l #	15
39) Methylcyclohexane	9.05	83	155264	26.824	ug/l	93
40) Benzene	8.00	78	5316022	292.053	ug/l	100
41) Methacrylonitrile	7.16	41	10057	4.011	ug/l #	39
42) 1,2-Dichloroethane	8.00	62	48883	6.242	ug/l	81
43) Isopropyl Acetate	8.11	43	30394	2.867	ug/l #	64
47) Bromodichloromethane	9.35	83	18231	2.521	ug/l #	25
48) Methyl methacrylate	9.19	41	19187	3.835	ug/l #	31
51) 4-Methyl-2-Pentanone	9.95	43	1202	6.313	ug/l #	32
52) Toluene	10.12	92	514530	45.896	ug/l	99
55) 1,1,2-Trichloroethane	10.50	97	18749	4.170	ug/l #	22
56) Ethyl methacrylate	10.40	69	1610	2.882	ug/l #	14
58) 2-Chloroethyl Vinyl ether	9.62	63	4545	14.339	ug/l #	49
59) 2-Hexanone	10.77	43	23888	13.349	ug/l	70
67) Ethyl Benzene	11.48	91	5600526	297.444	ug/l #	88
68) m/p-Xylenes	11.59	106	100729	16.701	ug/l	96
69) o-Xylene	11.92	106	5932	0.903	ug/l	88

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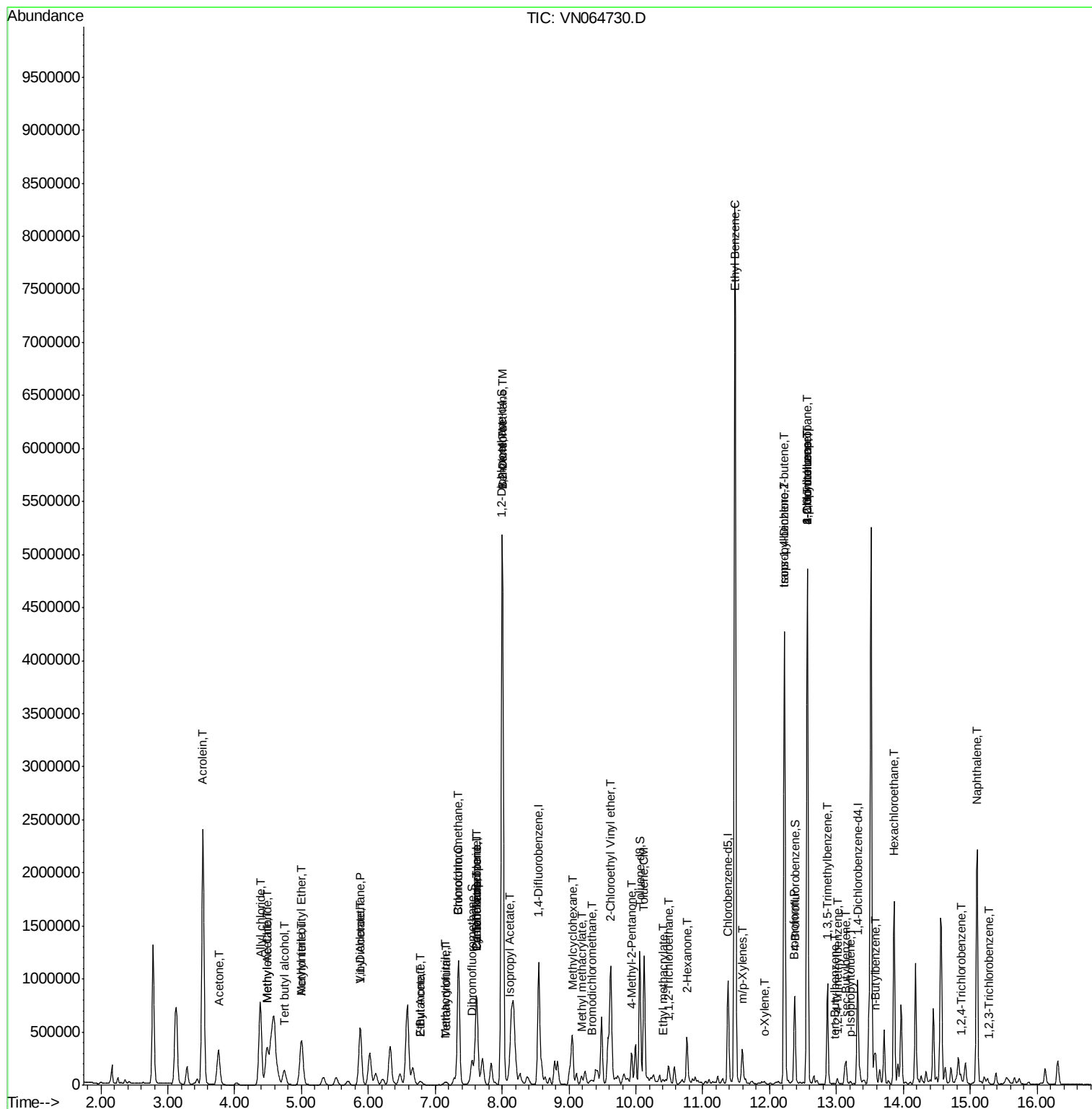
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) Bromoform	12.36	173	357	2.556	ug/l #	29
73) Isopropylbenzene	12.22	105	2717024	159.963	ug/l	100
76) 1,2,3-Trichloropropane	12.57	75	26567	5.154	ug/l #	100
78) n-propylbenzene	12.57	91	3695291	186.813	ug/l	100
79) 2-Chlorotoluene	12.57	91	3695291	291.885	ug/l #	43
80) 1,3,5-Trimethylbenzene	12.86	105	569694	40.376	ug/l	75
81) trans-1,4-Dichloro-2-buten	12.22	75	37164	19.541	ug/l #	66
82) 4-Chlorotoluene	12.57	91	3695291	273.737	ug/l #	43
83) tert-Butylbenzene	12.97	119	2447	0.224	ug/l #	23
84) 1,2,4-Trimethylbenzene	13.02	105	24822	1.724	ug/l	98
85) sec-Butylbenzene	13.14	105	119106	8.187	ug/l #	64
86) p-Isopropyltoluene	13.21	119	11653	0.871	ug/l #	66
89) n-Butylbenzene	13.59	91	152017	12.170	ug/l #	81
90) Hexachloroethane	13.86	117	89769	40.583	ug/l #	18
93) 1,2,4-Trichlorobenzene	14.88	180	287	1.399	ug/l #	1
95) Naphthalene	15.10	128	1778501	132.269	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	208	0.810	ug/l #	60

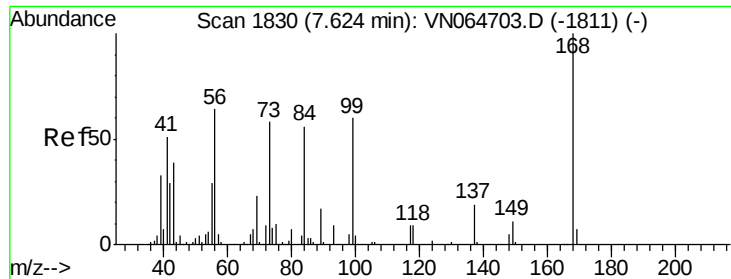
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064730.D

Acq: 19 Nov 2020 14:01

Instrument :

MSVOA_N

ClientSampleId :

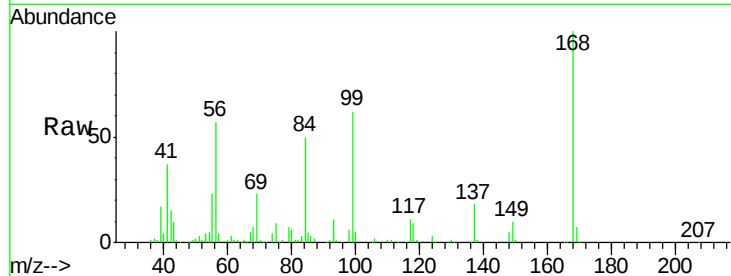
MW-5

Tot Ion:168 Resp: 328288

Ion Ratio Lower Upper

168 100

99 62.4 55.7 83.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.62

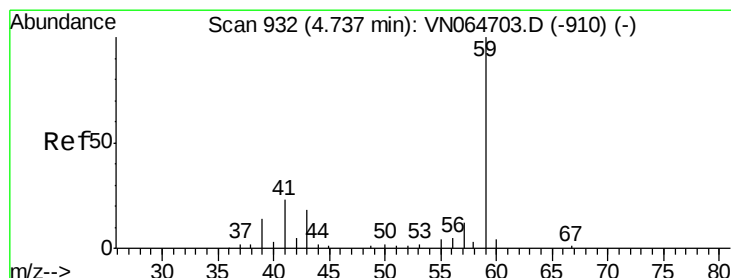
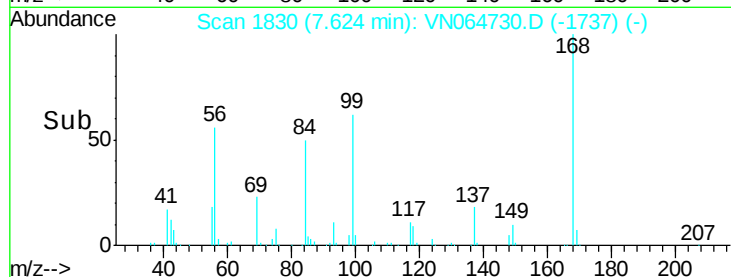
150000

100000

50000

0

Time--> 7.50 7.60 7.70



#11

Tert butyl alcohol

Concen: 444.357 ug/l

RT: 4.74 min Scan# 934

Delta R.T. 0.01 min

Lab File: VN064730.D

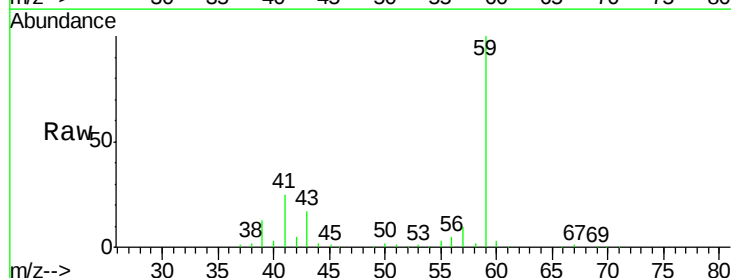
Acq: 19 Nov 2020 14:01

Tgt Ion: 59 Resp: 248964

Ion Ratio Lower Upper

59 100

57 10.3 9.1 13.7



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

4.74

80000

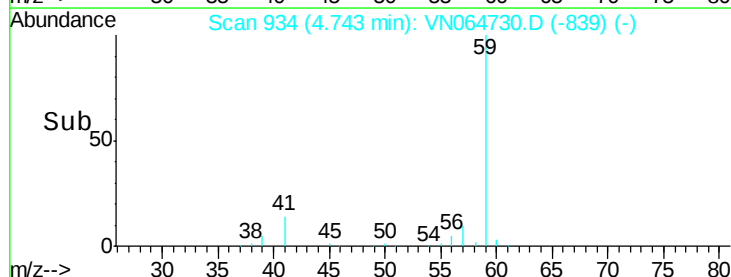
60000

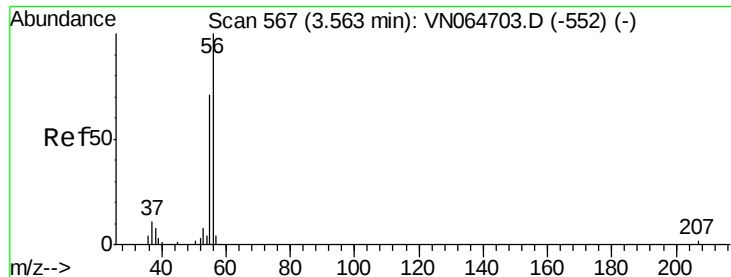
40000

20000

0

Time--> 4.60 4.70 4.80 4.90





#13

Acrolein

Concen: 670.648 ug/l

RT: 3.52 min Scan# 555

Delta R.T. -0.04 min

Lab File: VN064730.D

Acq: 19 Nov 2020 14:01

Instrument :

MSVOA_N

ClientSampleId :

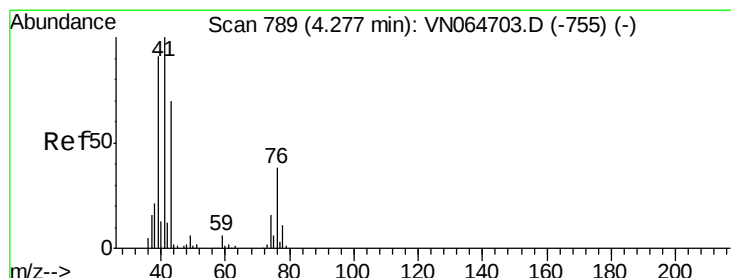
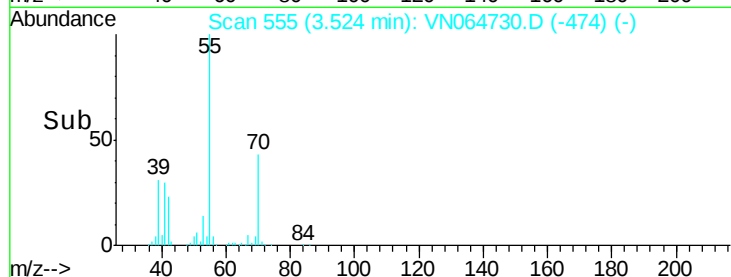
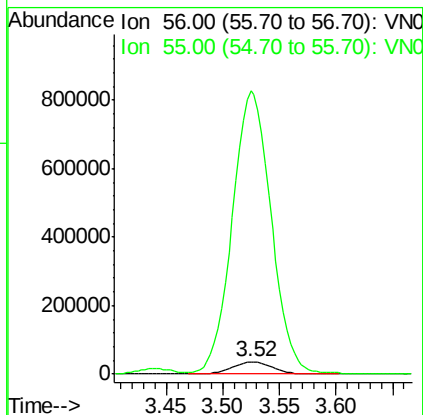
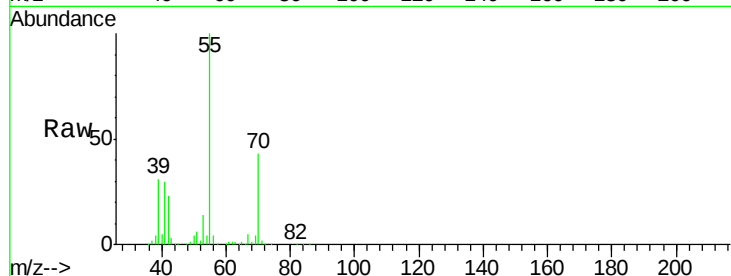
MW-5

Tot Ion: 56 Resp: 87972

Ion Ratio Lower Upper

56 100

55 2236.9 61.8 92.6#



#14

Allyl chloride

Concen: 20.095 ug/l

RT: 4.38 min Scan# 822

Delta R.T. 0.11 min

Lab File: VN064730.D

Acq: 19 Nov 2020 14:01

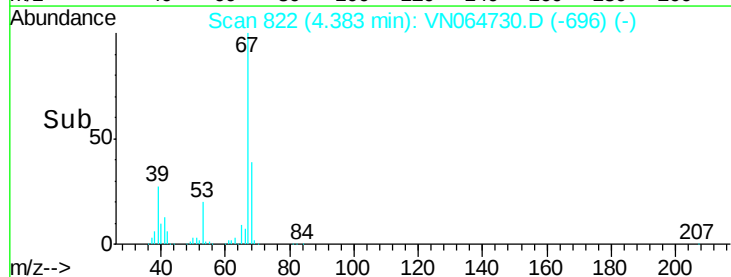
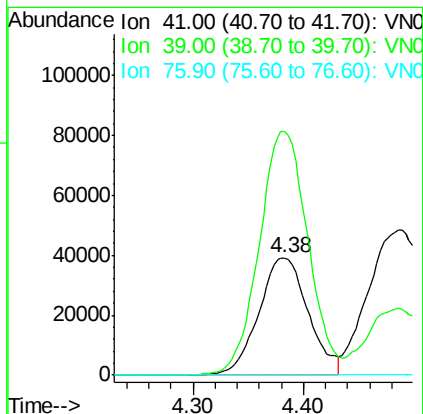
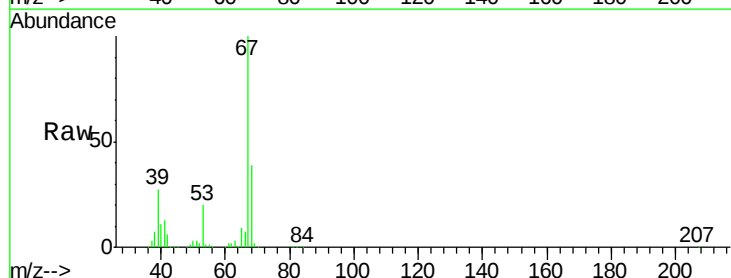
Tgt Ion: 41 Resp: 121780

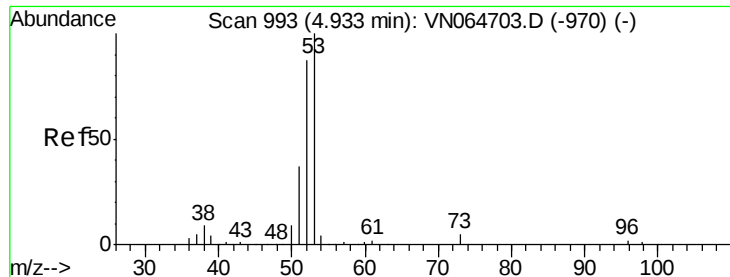
Ion Ratio Lower Upper

41 100

39 204.1 66.1 99.1#

76 0.0 26.6 40.0#





#15

Acrylonitrile

Concen: 9.360 ug/l

RT: 5.00 min Scan# 1014

Delta R.T. 0.07 min

Lab File: VN064730.D

Acq: 19 Nov 2020 14:01

Instrument :

MSVOA_N

ClientSampled :

MW-5

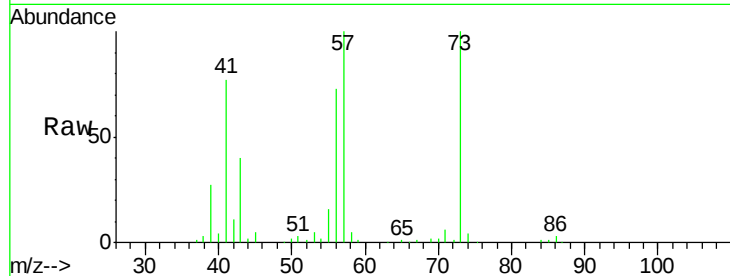
Tot Ion: 53 Resp: 15399

Ion Ratio Lower Upper

53 100

52 1.0 67.2 100.8#

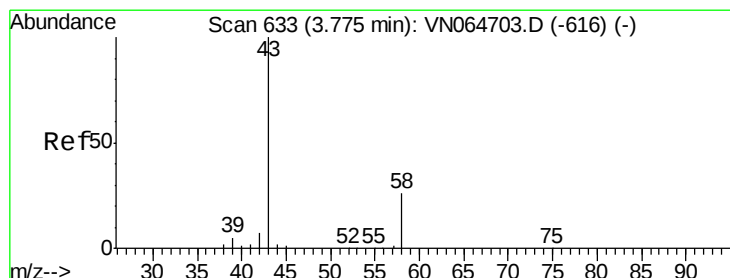
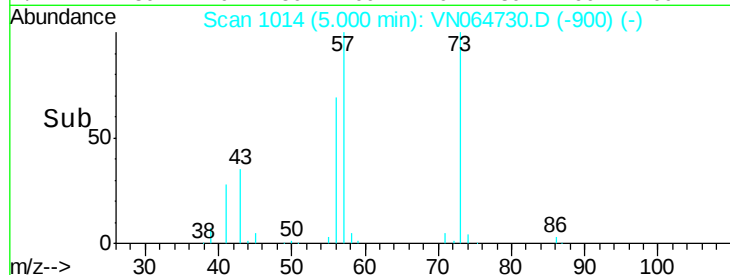
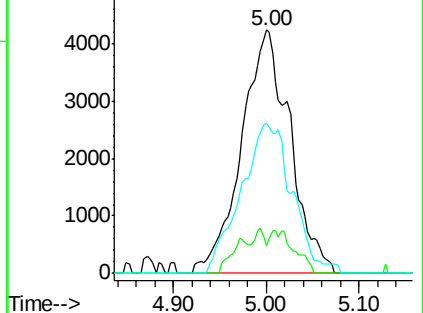
51 64.3 31.0 46.6#



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 146.076 ug/l

RT: 3.76 min Scan# 628

Delta R.T. -0.02 min

Lab File: VN064730.D

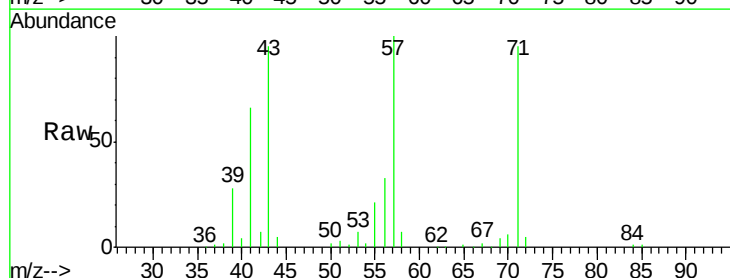
Acq: 19 Nov 2020 14:01

Tgt Ion: 43 Resp: 201108

Ion Ratio Lower Upper

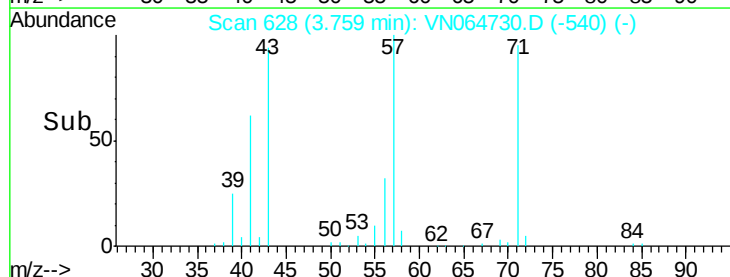
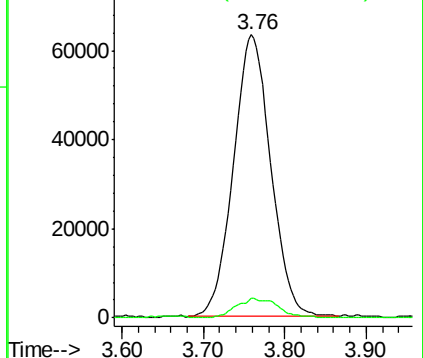
43 100

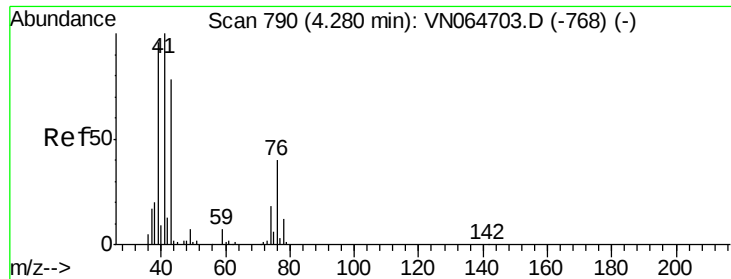
58 6.9 21.2 31.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#18

Methyl Acetate

Concen: 85.837 ug/l

RT: 4.49 min Scan# 854

Delta R.T. 0.21 min

Lab File: VN064730.D

Acq: 19 Nov 2020 14:01

Instrument :

MSVOA_N

ClientSampled :

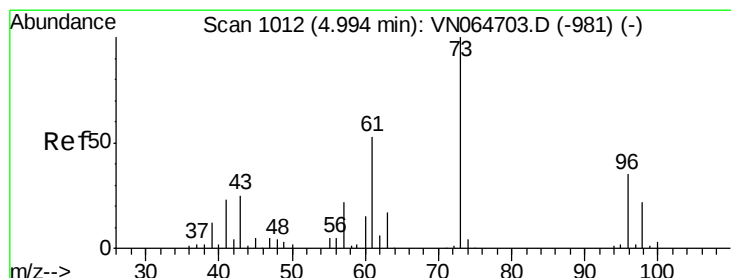
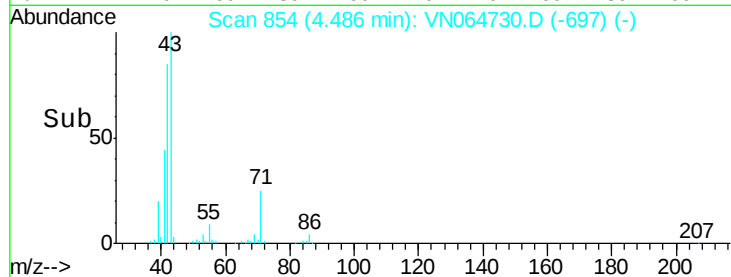
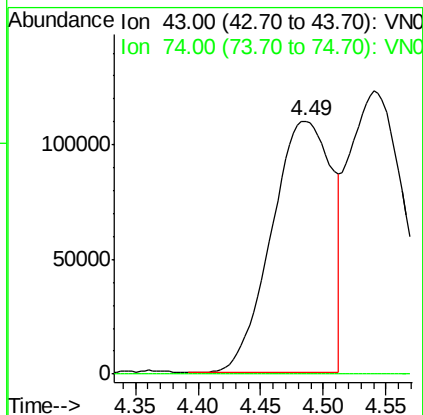
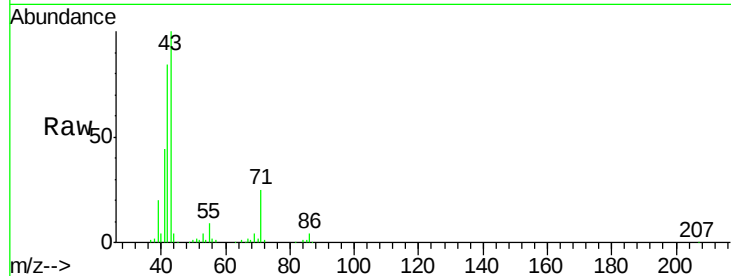
MW-5

Tot Ion: 43 Resp: 367939

Ion Ratio Lower Upper

43 100

74 0.0 17.6 26.4#



#19

Methyl tert-butyl Ether

Concen: 26.696 ug/l

RT: 5.00 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VN064730.D

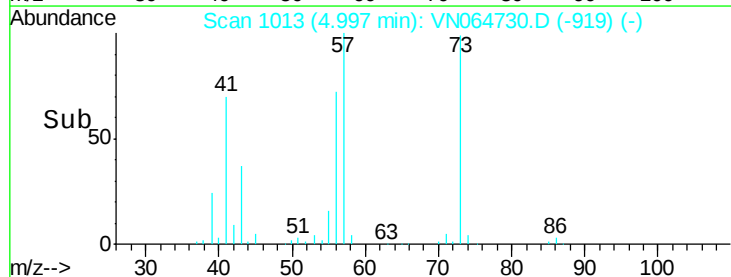
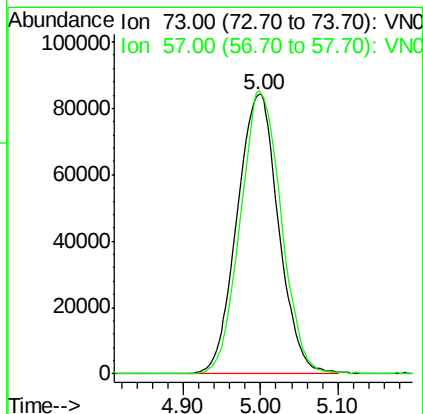
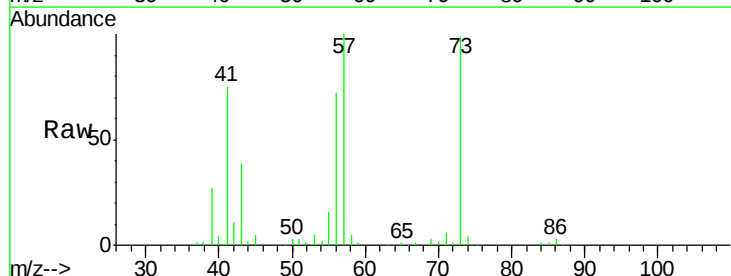
Acq: 19 Nov 2020 14:01

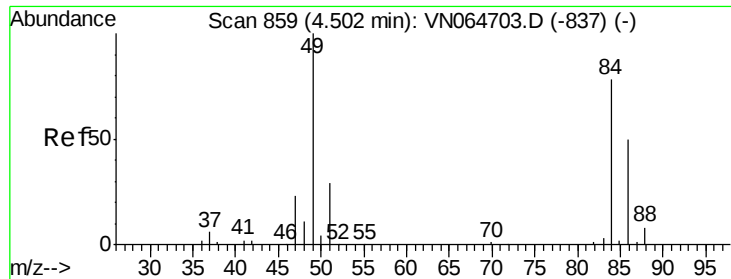
Tgt Ion: 73 Resp: 315278

Ion Ratio Lower Upper

73 100

57 101.4 17.3 25.9#

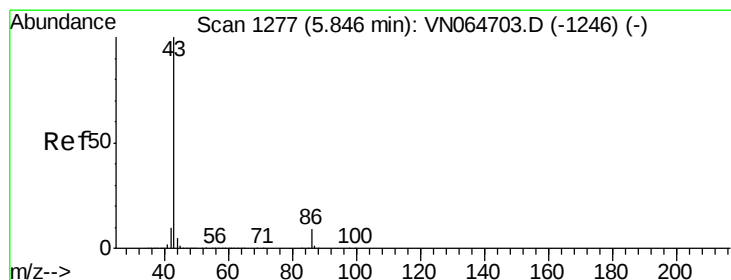
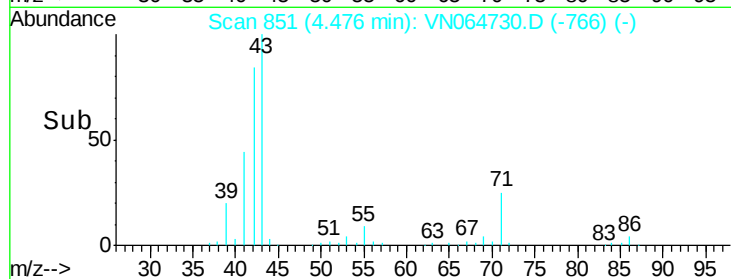
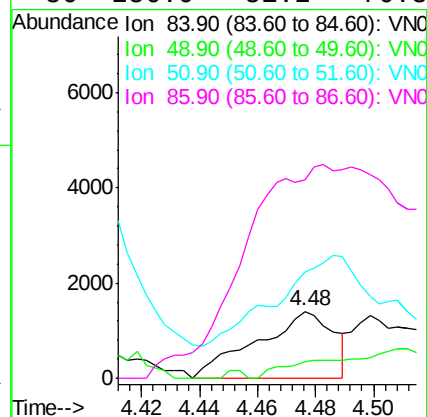
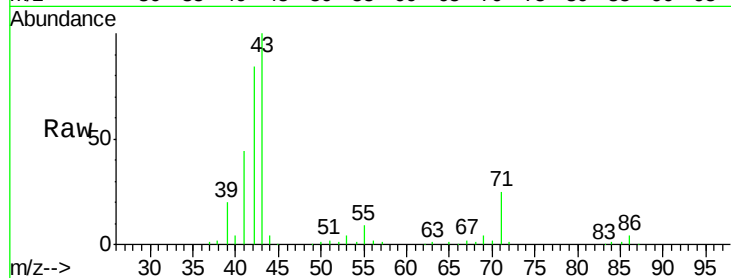




#20
Methvlene Chloride
Concen: 0.604 ug/l
RT: 4.48 min Scan# 851
Delta R.T. -0.03 min
Lab File: VN064730.D
Acq: 19 Nov 2020 14:01

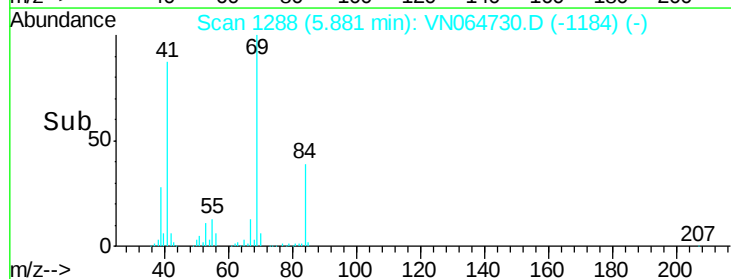
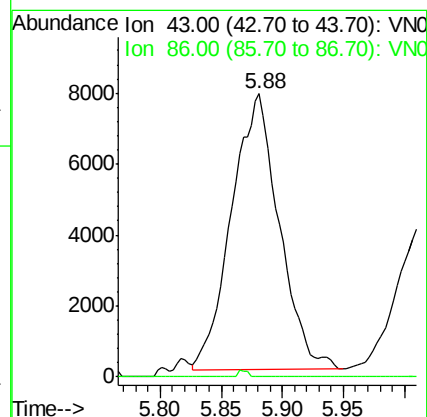
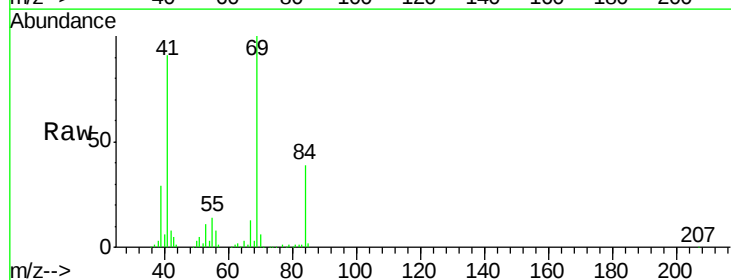
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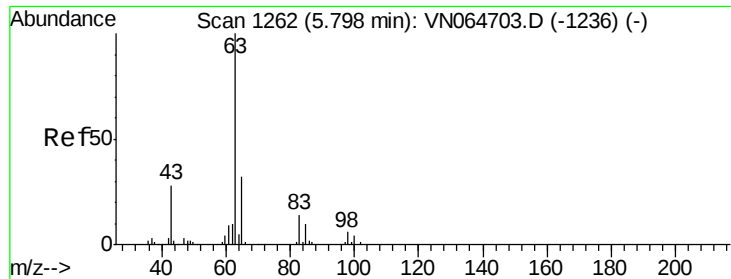
Tot Ion: 84 Resp: 2584
Ion Ratio Lower Upper
84 100
49 23.9 102.4 153.6#
51 108.6 29.4 44.2#
86 256.9 51.2 76.8#



#23
Vinyl Acetate
Concen: 2.041 ug/l
RT: 5.88 min Scan# 1288
Delta R.T. 0.04 min
Lab File: VN064730.D
Acq: 19 Nov 2020 14:01

Tgt Ion: 43 Resp: 21084
Ion Ratio Lower Upper
43 100
86 0.0 7.4 11.0#





#24

1,1-Dichloroethane

Concen: 1.037 ug/l

RT: 5.88 min Scan# 1289

Delta R.T. 0.09 min

Lab File: VN064730.D

Acq: 19 Nov 2020 14:01

Instrument :

MSVOA_N

ClientSampleId :

MW-5

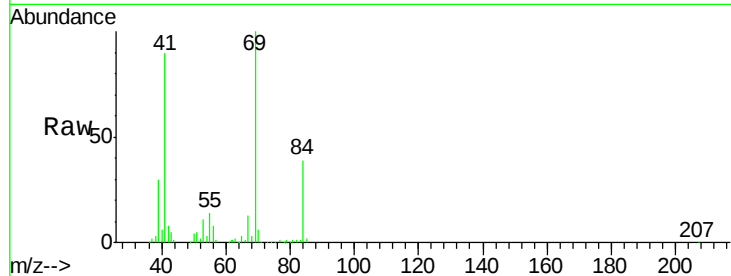
Tot Ion: 63 Resp: 7775

Ion Ratio Lower Upper

63 100

98 0.0 3.2 9.6#

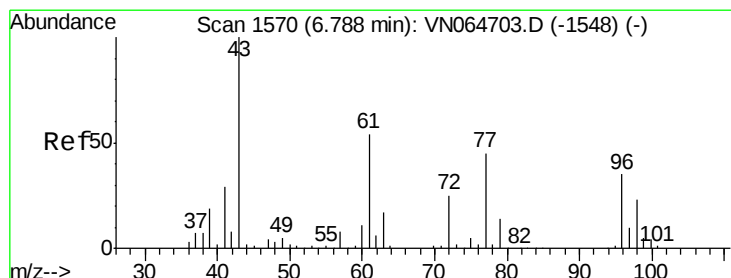
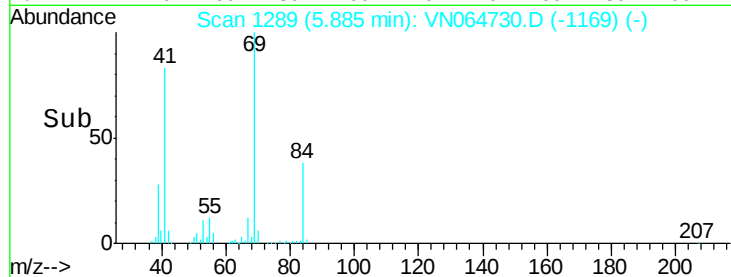
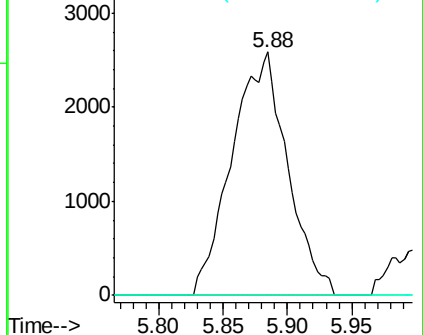
100 0.0 1.9 5.7#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0



#25

2-Butanone

Concen: 7.287 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. -0.01 min

Lab File: VN064730.D

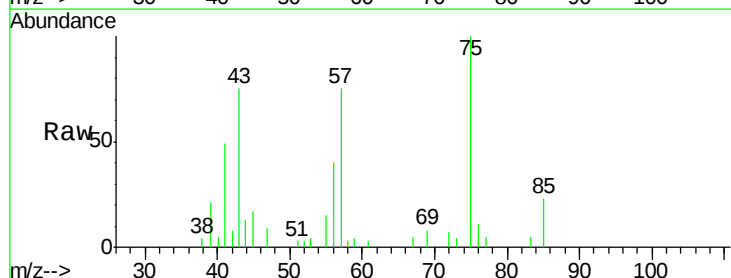
Acq: 19 Nov 2020 14:01

Tgt Ion: 43 Resp: 16089

Ion Ratio Lower Upper

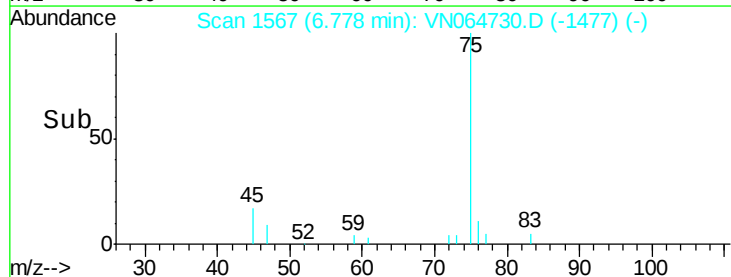
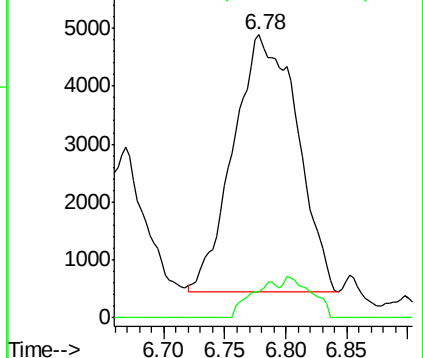
43 100

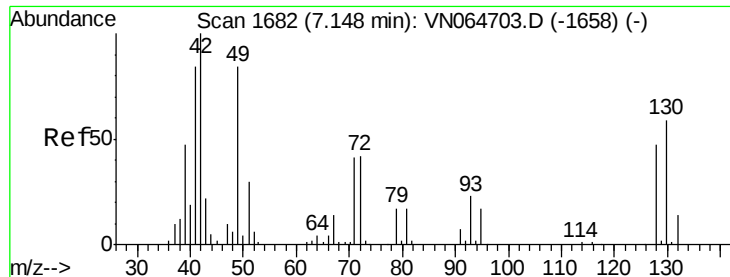
72 9.9 19.7 29.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0





#28

Bromochloromethane

Concen: 1.985 ug/l

RT: 7.34 min Scan# 1742

Delta R.T. 0.19 min

Lab File: VN064730.D

Acq: 19 Nov 2020 14:01

Instrument :

MSVOA_N

ClientSampleId :

MW-5

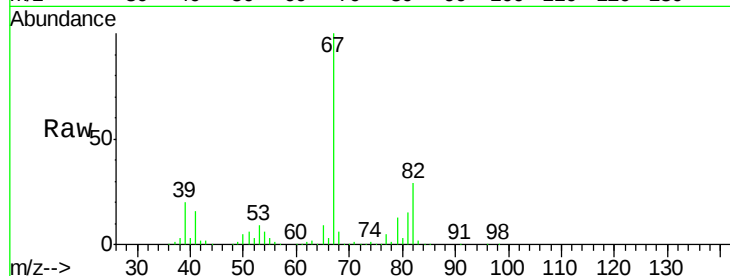
Tot Ion: 49 Resp: 7505

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

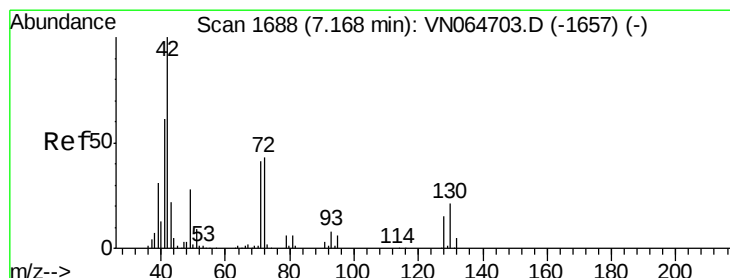
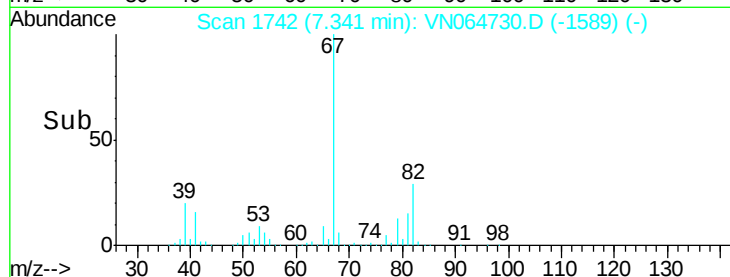
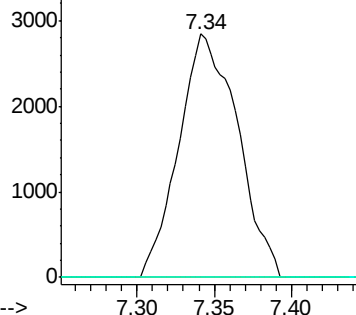
130 0.0 56.2 84.4#



Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#29

Tetrahydrofuran

Concen: 1.764 ug/l

RT: 7.17 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VN064730.D

Acq: 19 Nov 2020 14:01

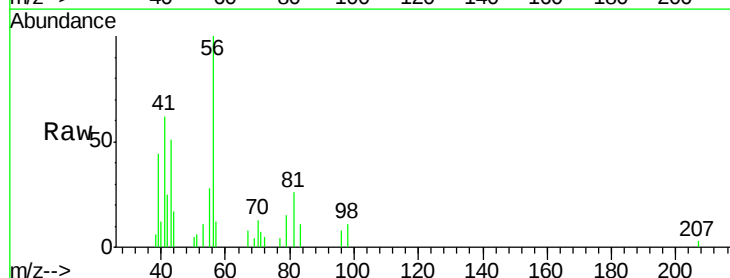
Tgt Ion: 42 Resp: 2632

Ion Ratio Lower Upper

42 100

72 11.0 33.0 49.4#

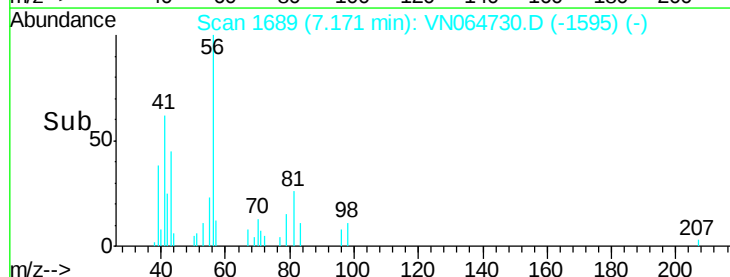
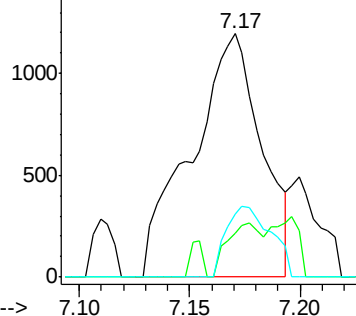
71 0.0 31.8 47.6#

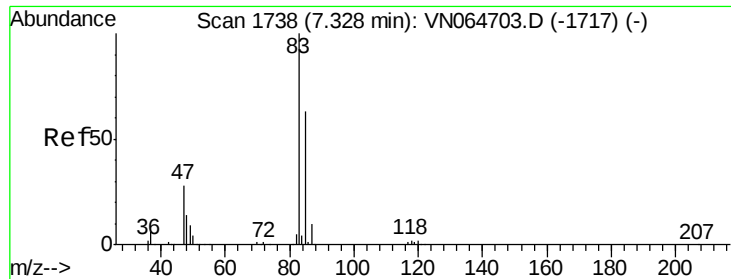


Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0

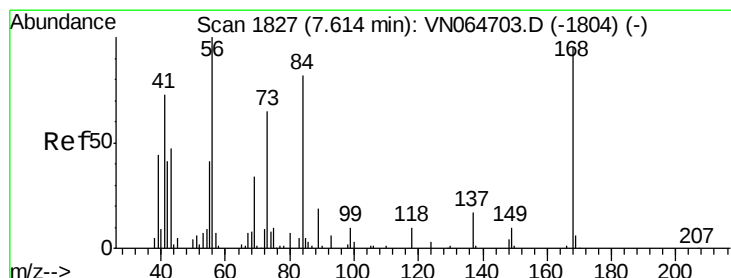
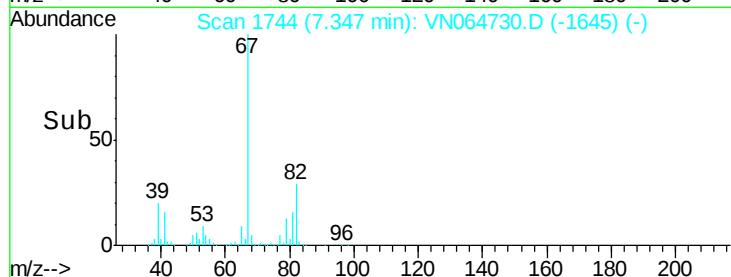
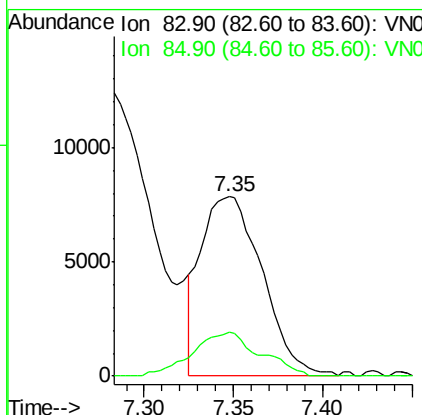
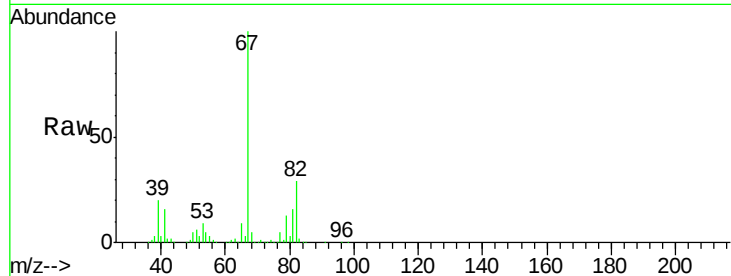




#30
Chloroform
Concen: 2.299 ug/l
RT: 7.35 min Scan# 1744
Delta R.T. 0.02 min
Lab File: VN064730.D
Acq: 19 Nov 2020 14:01

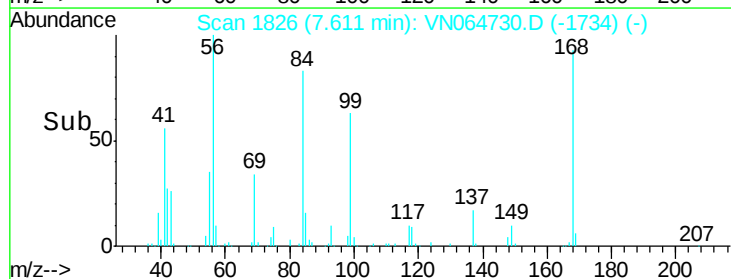
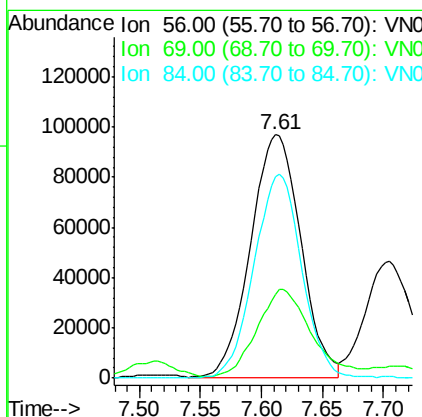
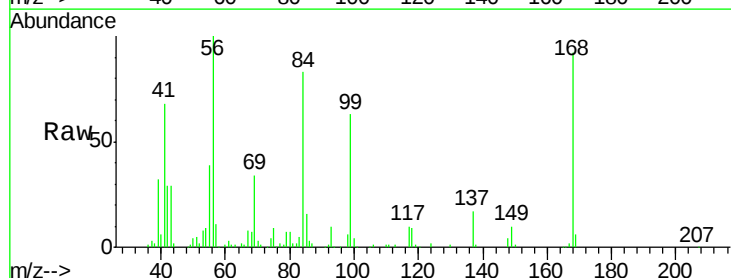
Instrument :
MSVOA_N
ClientSampled :
MW-5

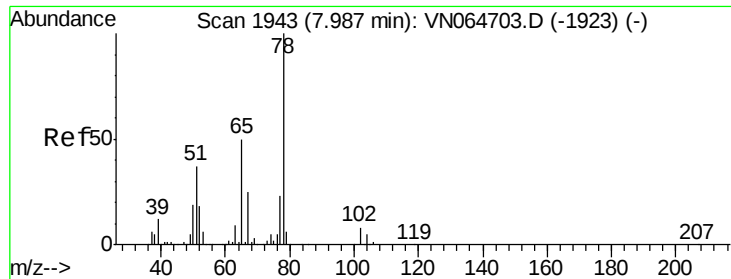
Tot Ion: 83 Resp: 18736
Ion Ratio Lower Upper
83 100
85 24.4 50.6 75.8#



#31
Cyclohexane
Concen: 44.223 ug/l
RT: 7.61 min Scan# 1826
Delta R.T. -0.00 min
Lab File: VN064730.D
Acq: 19 Nov 2020 14:01

Tgt Ion: 56 Resp: 276113
Ion Ratio Lower Upper
56 100
69 32.4 27.2 40.8
84 83.3 65.9 98.9





#33

1,2-Dichloroethane-d4

Concen: 44.479 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN064730.D

Acq: 19 Nov 2020 14:01

Instrument :

MSVOA_N

ClientSampled :

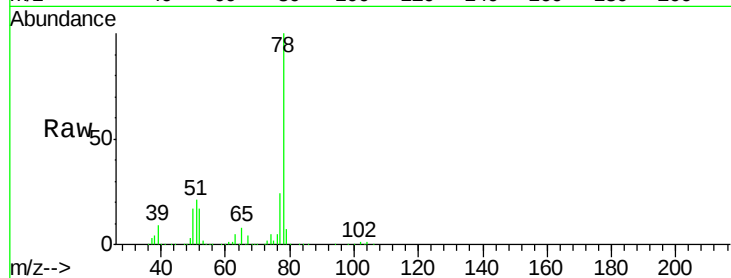
MW-5

Tot Ion: 65 Resp: 256874

Ion Ratio Lower Upper

65 100

67 52.3 0.0 99.8



Abundance Ion 64.90 (64.60 to 65.60): VN064730.D (-1923) (-)

Ion 66.90 (66.60 to 67.60): VN064730.D (-1923) (-)

7.99

120000

100000

80000

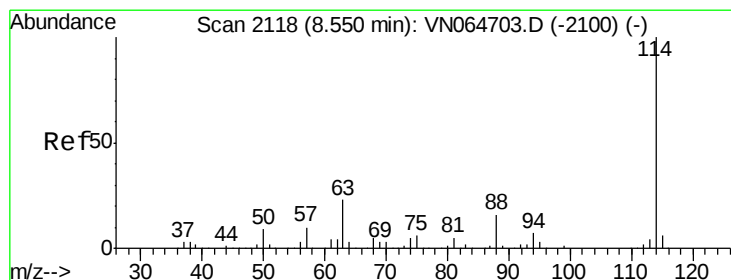
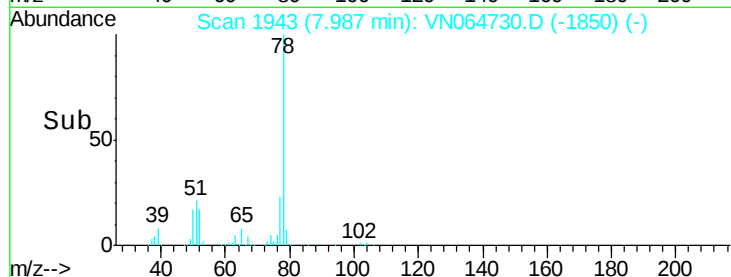
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN064730.D

Acq: 19 Nov 2020 14:01

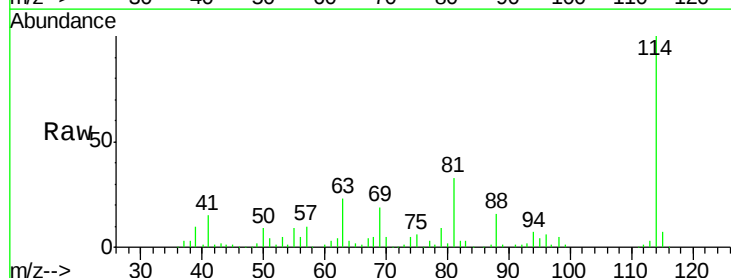
Tgt Ion: 114 Resp: 634981

Ion Ratio Lower Upper

114 100

63 22.8 0.0 46.0

88 15.9 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): VN064730.D (-2100) (-)

Ion 63.00 (62.70 to 63.70): VN064730.D (-2100) (-)

Ion 87.90 (87.60 to 88.60): VN064730.D (-2100) (-)

8.55

400000

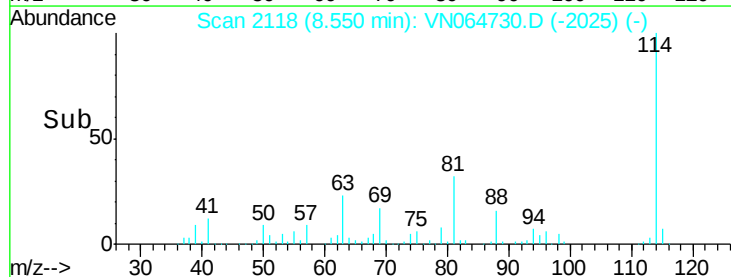
300000

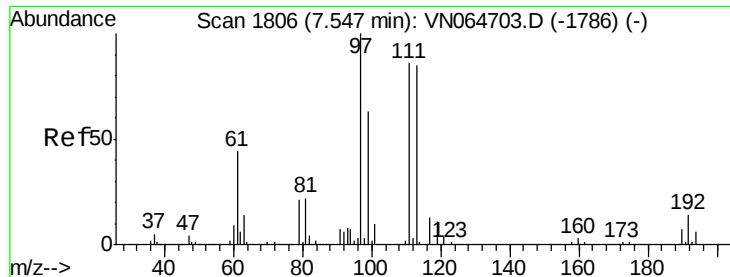
200000

100000

0

Time-->

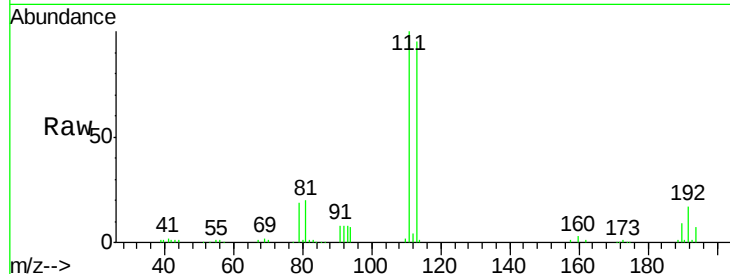




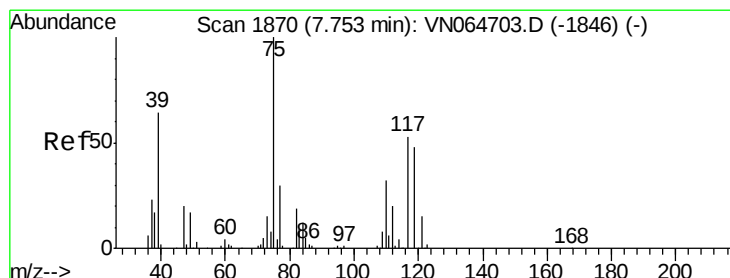
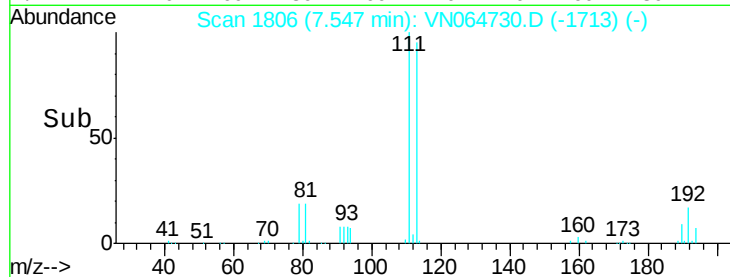
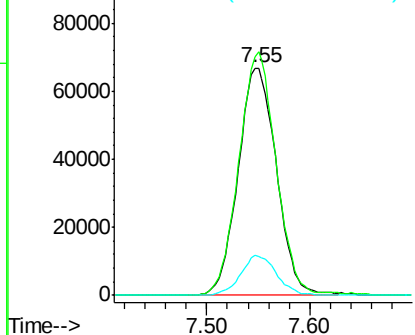
#35
Dibromofluoromethane
Concen: 47.818 ug/l
RT: 7.55 min Scan# 1806
Delta R.T. -0.00 min
Lab File: VN064730.D
Acq: 19 Nov 2020 14:01

Instrument :
MSVOA_N
ClientSampled :
MW-5

Tot Ion:113 Resp: 172822
Ion Ratio Lower Upper
113 100
111 104.2 82.2 123.4
192 16.4 12.7 19.1

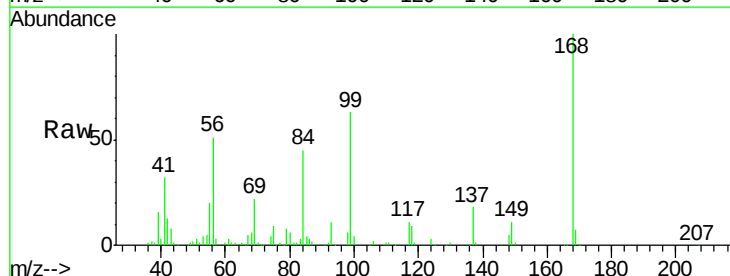


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

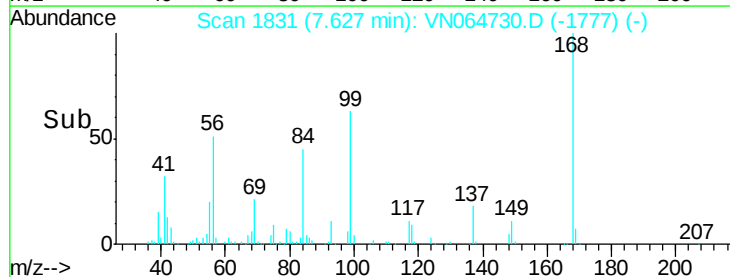
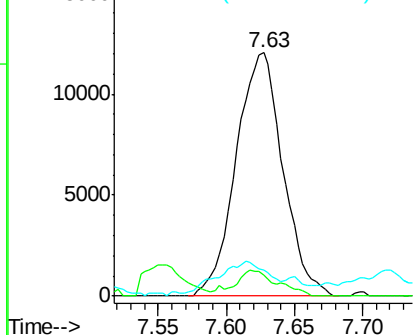


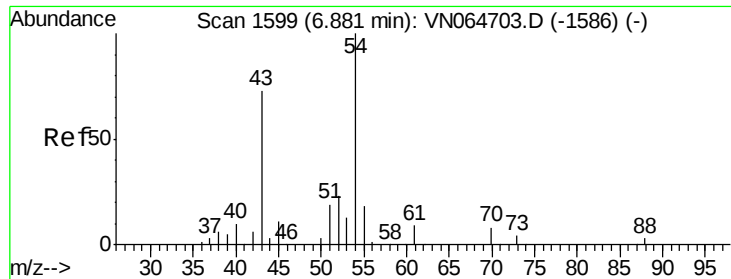
#36
1,1-Dichloropropene
Concen: 4.393 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. -0.13 min
Lab File: VN064730.D
Acq: 19 Nov 2020 14:01

Tgt Ion: 75 Resp: 28696
Ion Ratio Lower Upper
75 100
110 8.6 16.2 48.6#
77 0.0 24.4 36.6#



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V

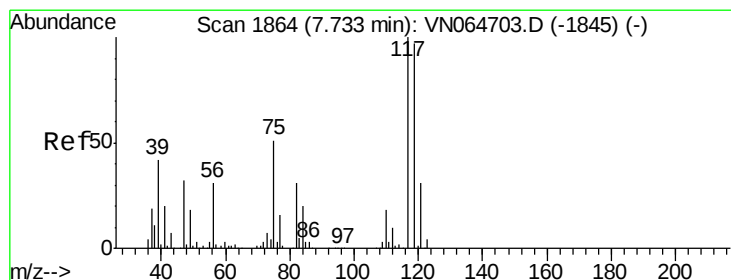
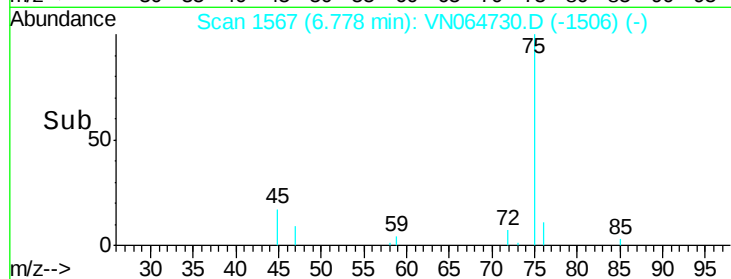
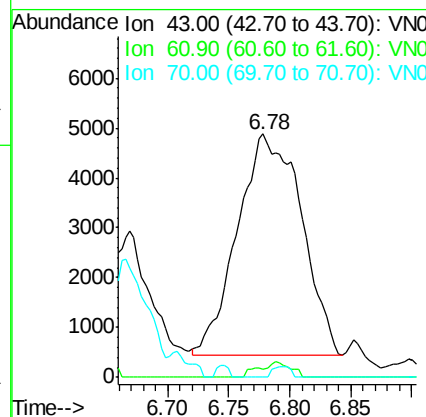
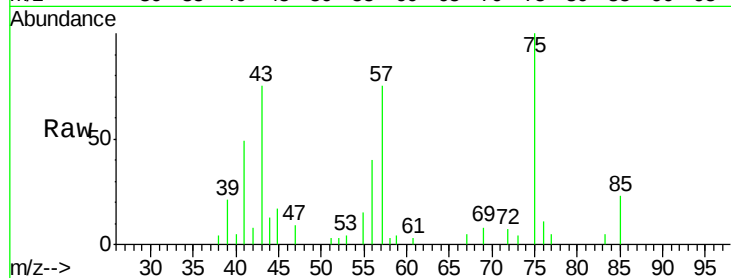




#37
Ethyl Acetate
Concen: 2.941 ug/l
RT: 6.78 min Scan# 1567
Delta R.T. -0.10 min
Lab File: VN064730.D
Acq: 19 Nov 2020 14:01

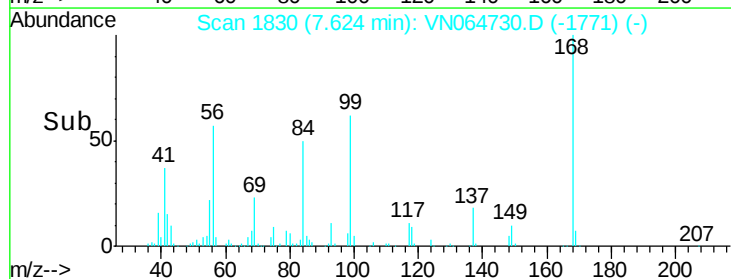
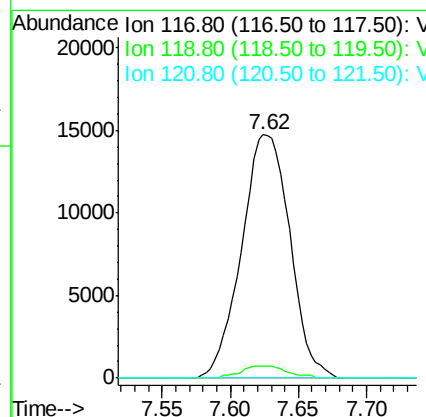
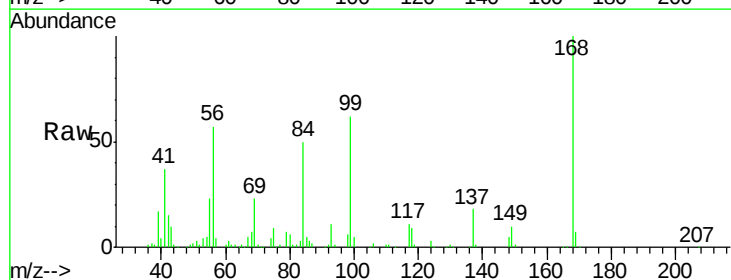
Instrument :
MSVOA_N
ClientSampleId :
MW-5

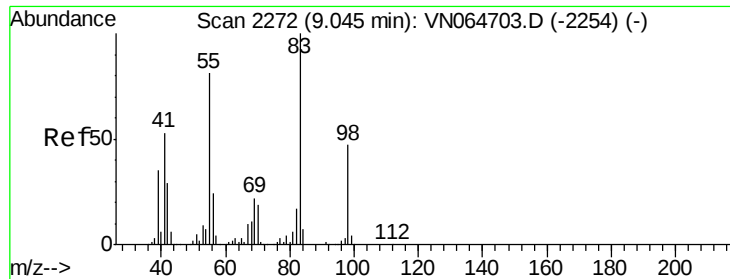
Tot Ion: 43 Resp: 16089
Ion Ratio Lower Upper
43 100
61 3.5 10.4 15.6#
70 1.4 7.6 11.4#



#38
Carbon Tetrachloride
Concen: 5.222 ug/l
RT: 7.62 min Scan# 1830
Delta R.T. -0.11 min
Lab File: VN064730.D
Acq: 19 Nov 2020 14:01

Tgt Ion: 117 Resp: 36256
Ion Ratio Lower Upper
117 100
119 4.8 77.8 116.6#
121 0.0 24.9 37.3#

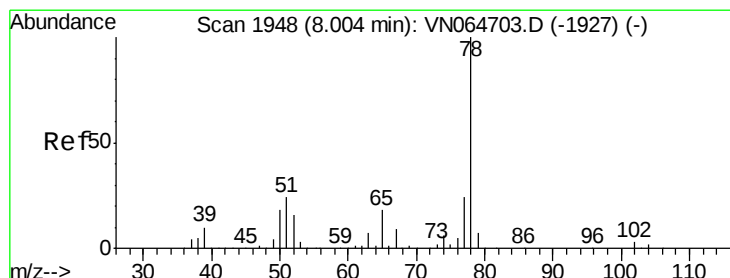
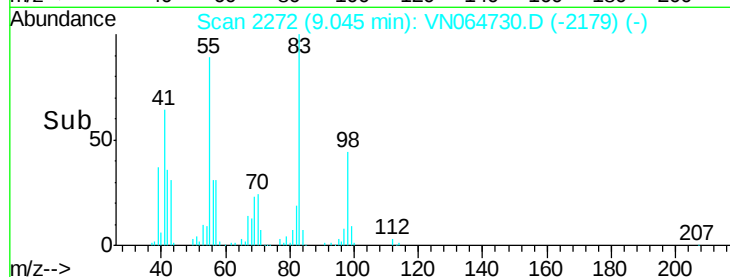
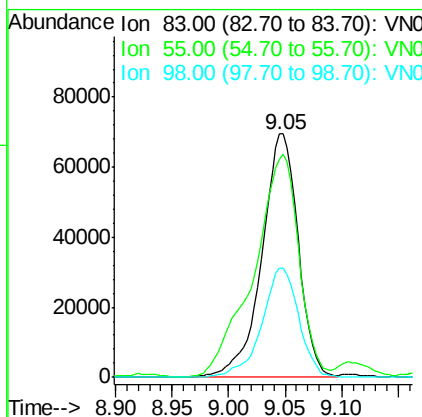
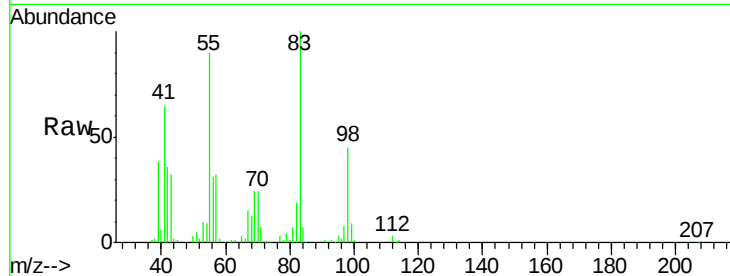




#39
Methvlcvclohexane
Concen: 26.824 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN064730.D
Acq: 19 Nov 2020 14:01

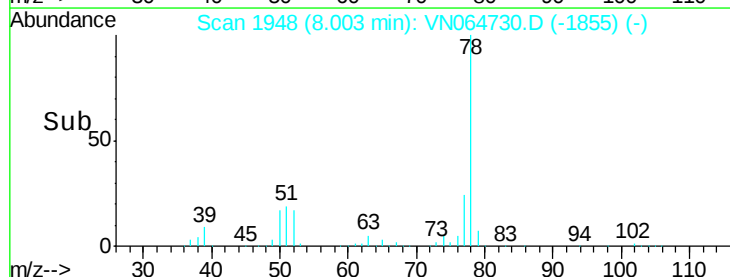
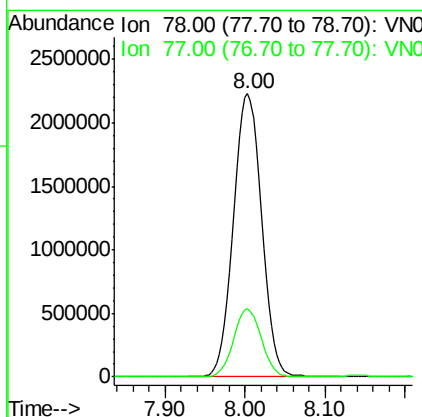
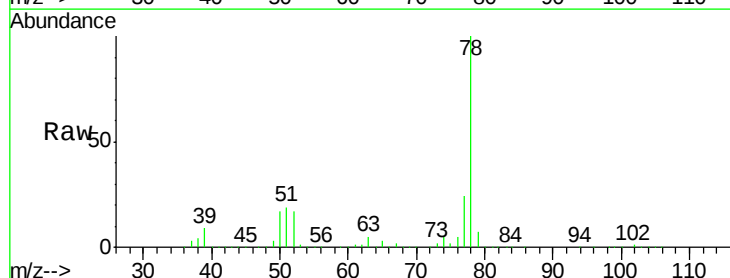
Instrument :
MSVOA_N
ClientSampleId :
MW-5

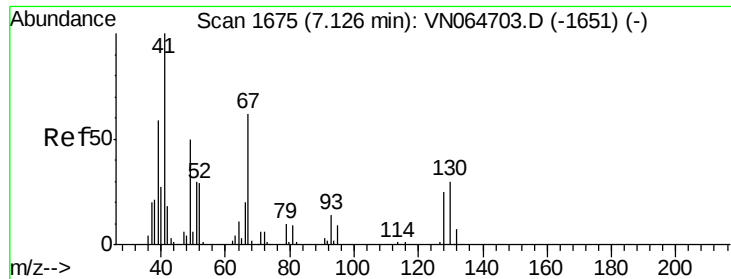
Tot Ion: 83 Resp: 155264
Ion Ratio Lower Upper
83 100
55 89.5 64.6 97.0
98 44.9 37.7 56.5



#40
Benzene
Concen: 292.053 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN064730.D
Acq: 19 Nov 2020 14:01

Tgt Ion: 78 Resp: 5316022
Ion Ratio Lower Upper
78 100
77 24.0 19.2 28.8

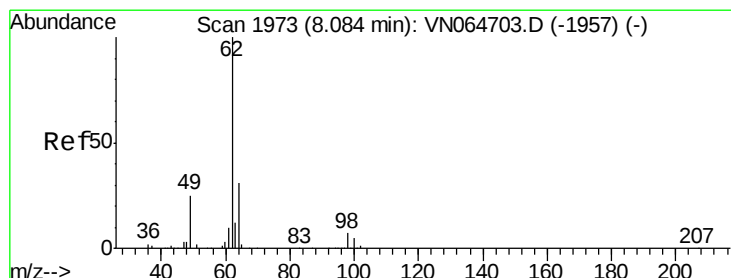
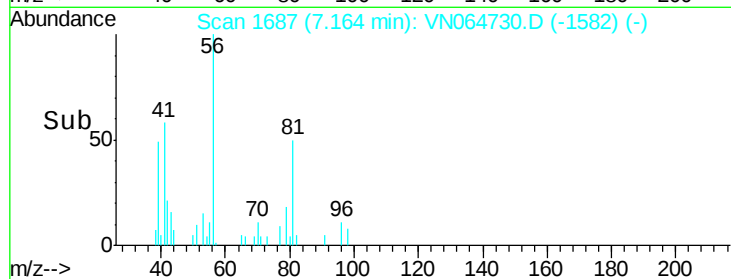
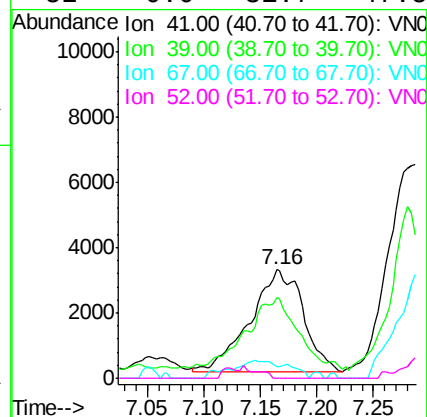
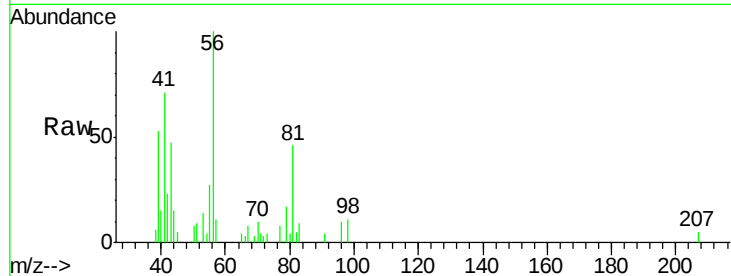




#41
Methacrylonitrile
Concen: 4.011 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. 0.04 min
Lab File: VN064730.D
Acq: 19 Nov 2020 14:01

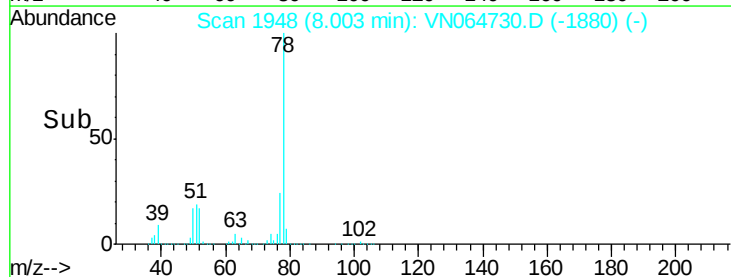
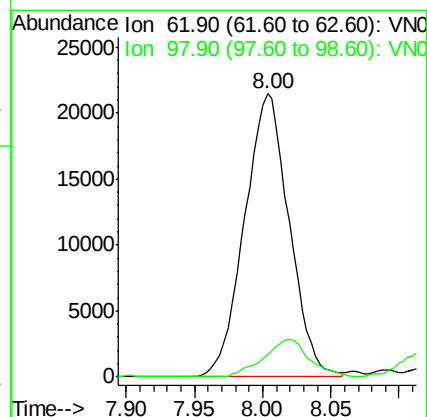
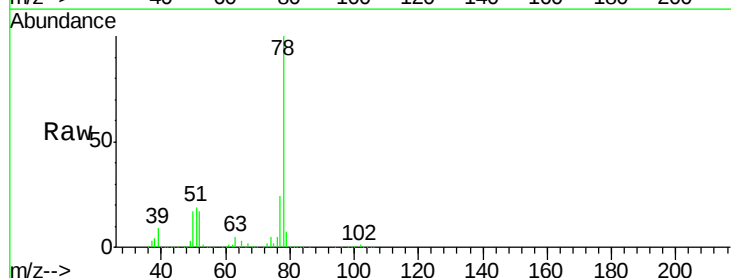
Instrument :
MSVOA_N
ClientSampled :
MW-5

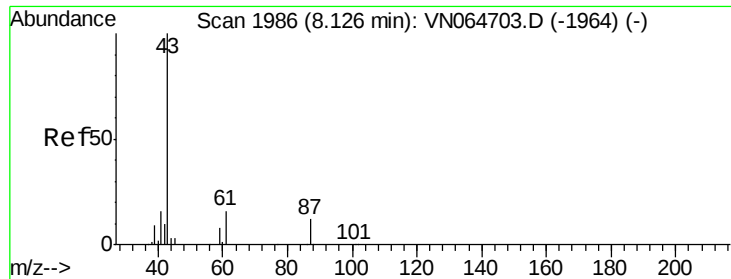
Tot Ion	Ratio	Lower	Upper
41	100		
39	66.4	46.0	69.0
67	0.0	67.0	100.4#
52	0.0	31.7	47.5#



#42
1,2-Dichloroethane
Concen: 6.242 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. -0.08 min
Lab File: VN064730.D
Acq: 19 Nov 2020 14:01

Tgt Ion	Ratio	Lower	Upper
62	100		
98	13.5	0.0	13.6





#43

Isopropyl Acetate

Concen: 2.867 ug/l

RT: 8.11 min Scan# 1981

Delta R.T. -0.02 min

Lab File: VN064730.D

Acq: 19 Nov 2020 14:01

Instrument :

MSVOA_N

ClientSampleId :

MW-5

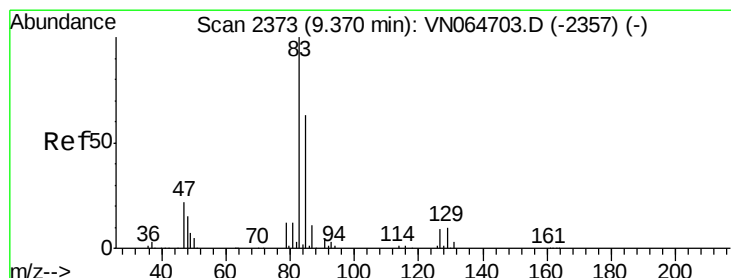
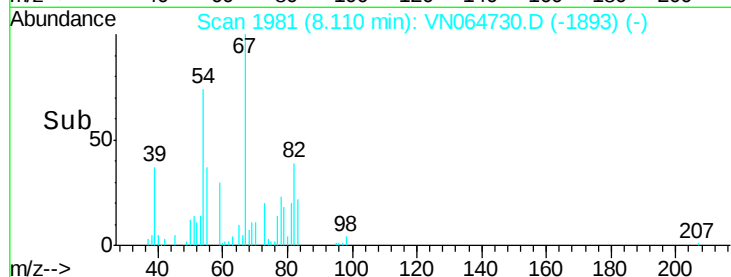
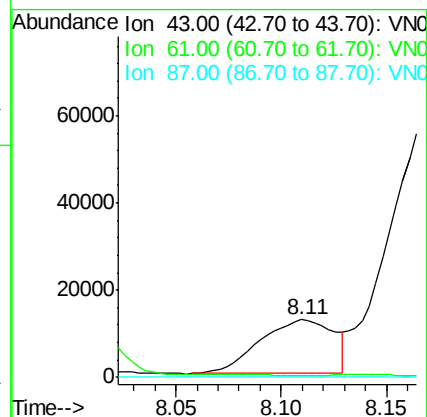
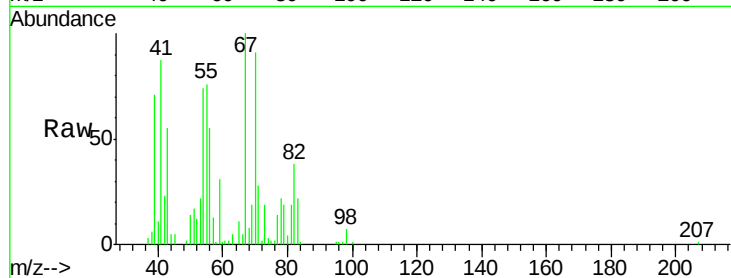
Tot Ion: 43 Resp: 30394

Ion Ratio Lower Upper

43 100

61 0.0 14.1 21.1#

87 0.0 9.1 13.7#



#47

Bromodichloromethane

Concen: 2.521 ug/l

RT: 9.35 min Scan# 2368

Delta R.T. -0.02 min

Lab File: VN064730.D

Acq: 19 Nov 2020 14:01

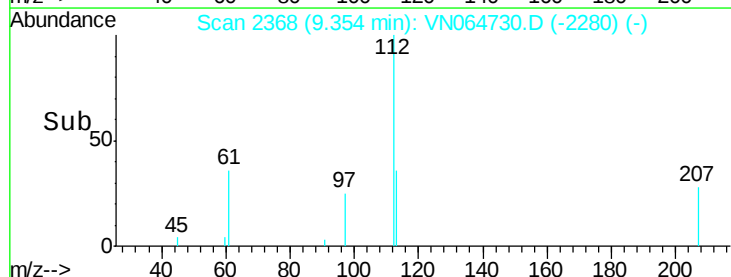
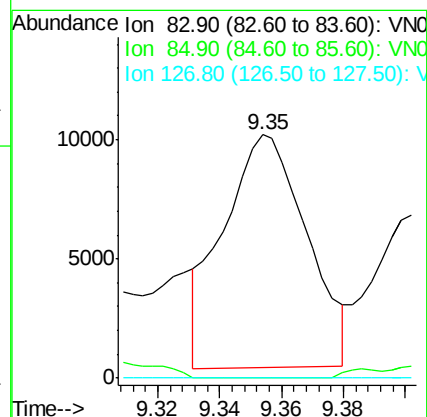
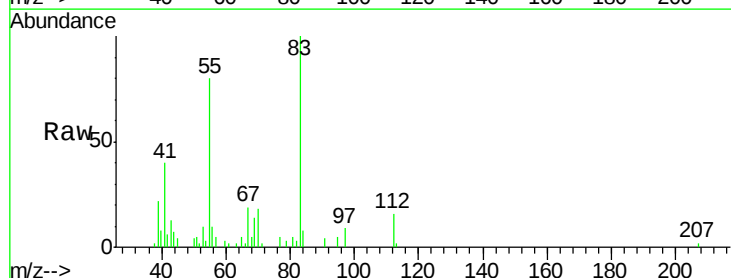
Tgt Ion: 83 Resp: 18231

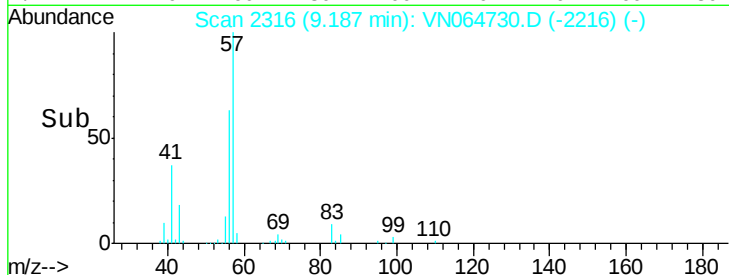
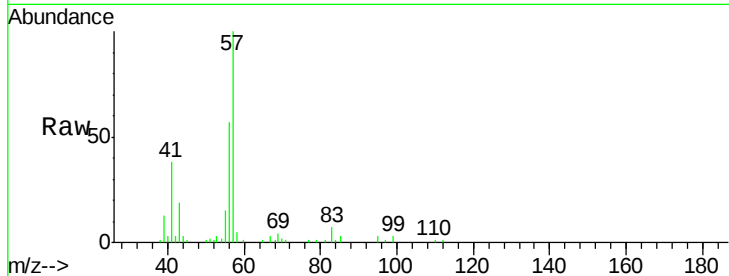
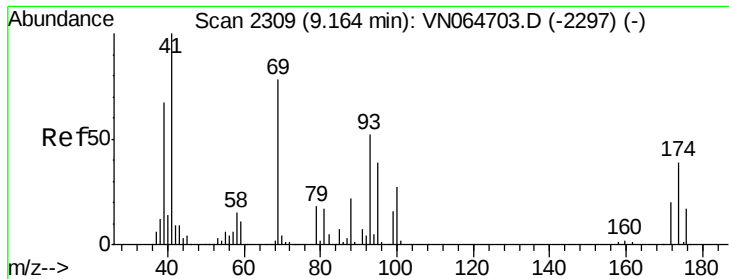
Ion Ratio Lower Upper

83 100

85 0.0 50.8 76.2#

127 0.0 7.0 10.4#





#48

Methyl methacrylate

Concen: 3.835 ug/l

RT: 9.19 min Scan# 2316

Delta R.T. 0.02 min

Lab File: VN064730.D

Acq: 19 Nov 2020 14:01

Instrument :

MSVOA_N

ClientSampled :

MW-5

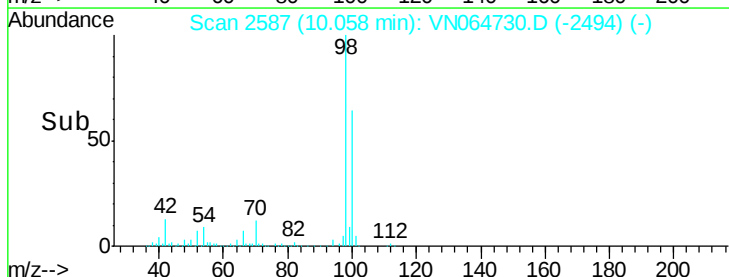
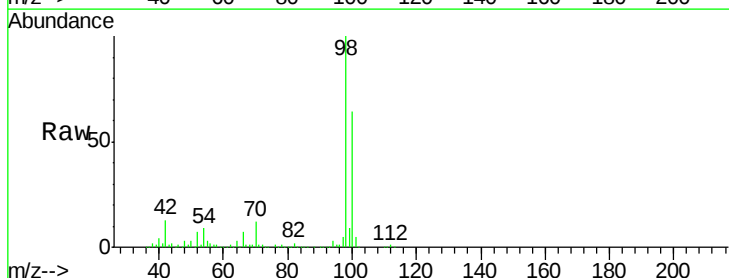
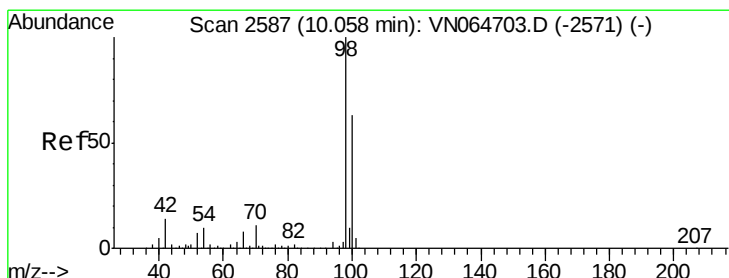
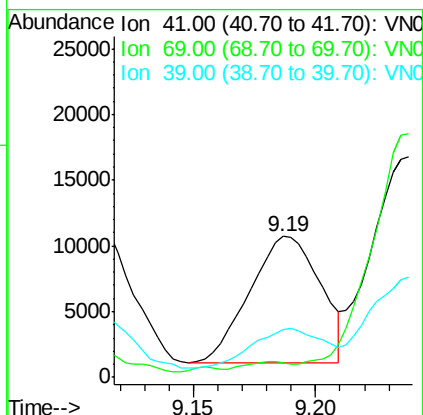
Tot Ion: 41 Resp: 19187

Ion Ratio Lower Upper

41 100

69 0.0 62.3 93.5#

39 31.1 55.1 82.7#



#50

Toluene-d8

Concen: 49.332 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN064730.D

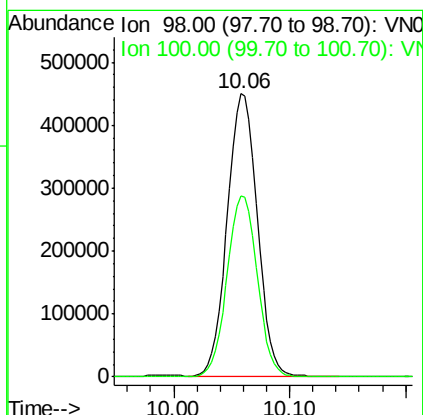
Acq: 19 Nov 2020 14:01

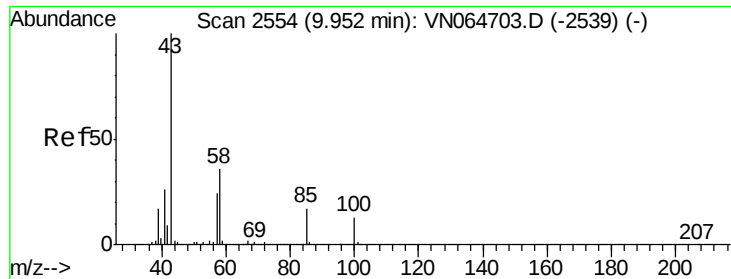
Tgt Ion: 98 Resp: 810321

Ion Ratio Lower Upper

98 100

100 64.4 50.4 75.6





#51

4-Methyl-2-Pentanone

Concen: 6.313 ug/l

RT: 9.95 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN064730.D

Acq: 19 Nov 2020 14:01

Instrument :

MSVOA_N

ClientSampleId :

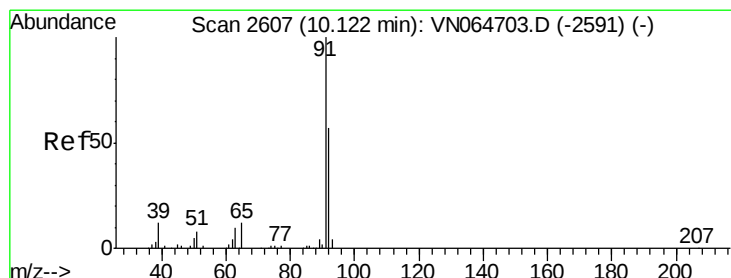
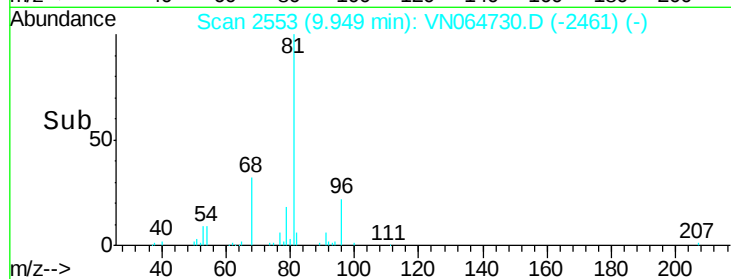
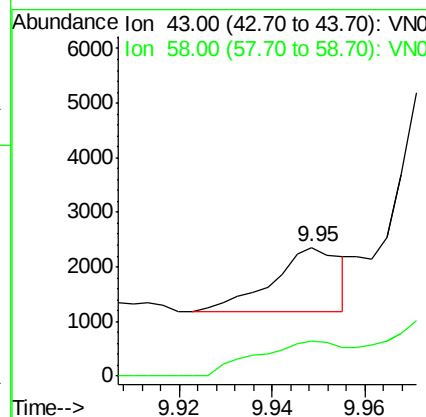
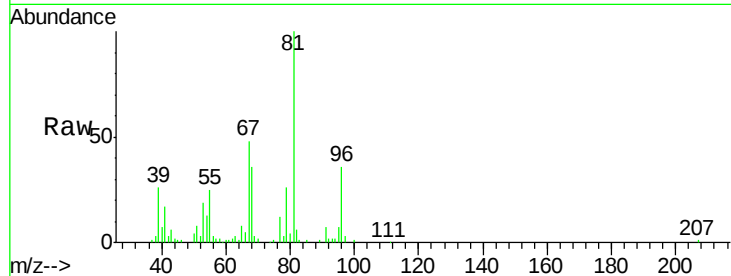
MW-5

Tot Ion: 43 Resp: 1202

Ion Ratio Lower Upper

43 100

58 75.5 28.5 42.7#



#52

Toluene

Concen: 45.896 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064730.D

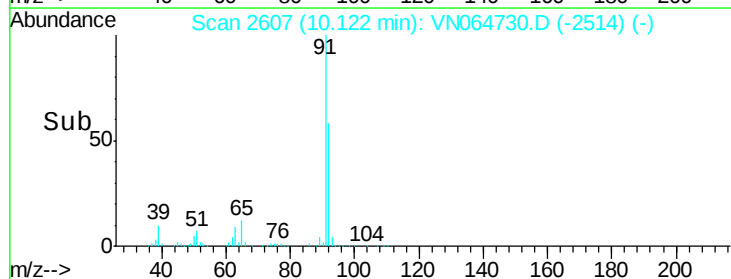
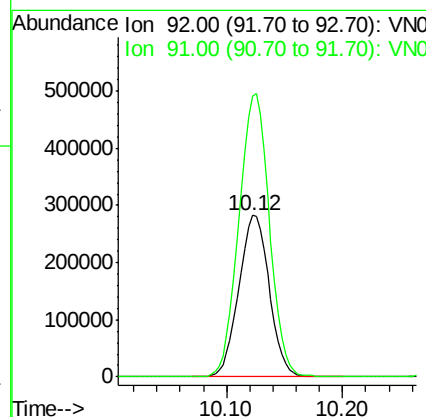
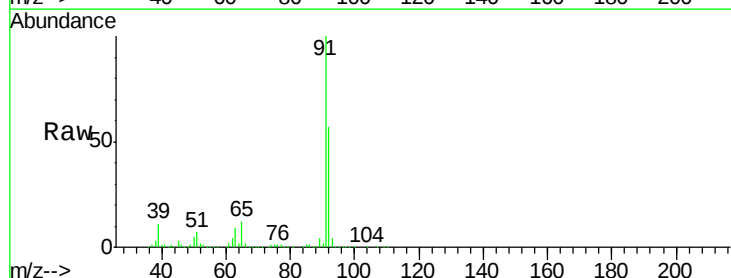
Acq: 19 Nov 2020 14:01

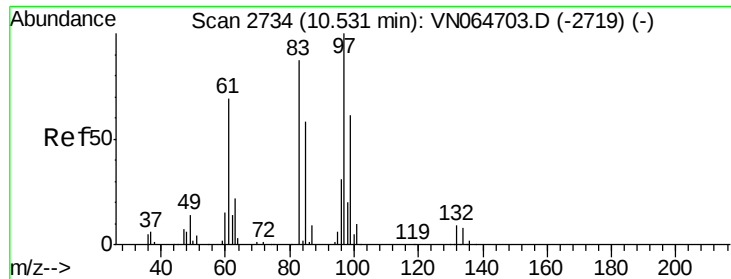
Tgt Ion: 92 Resp: 514530

Ion Ratio Lower Upper

92 100

91 174.9 141.2 211.8

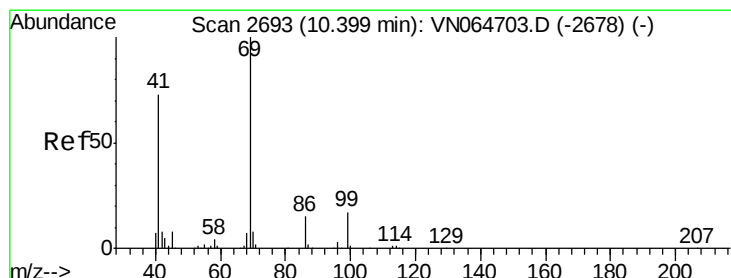
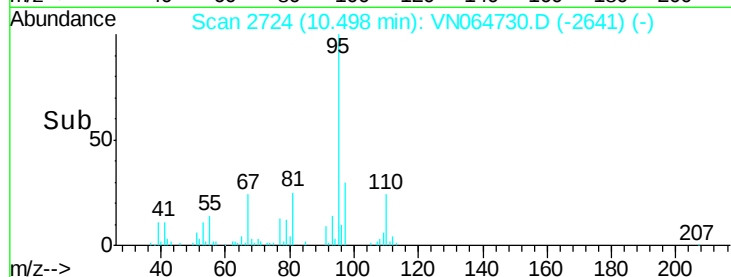
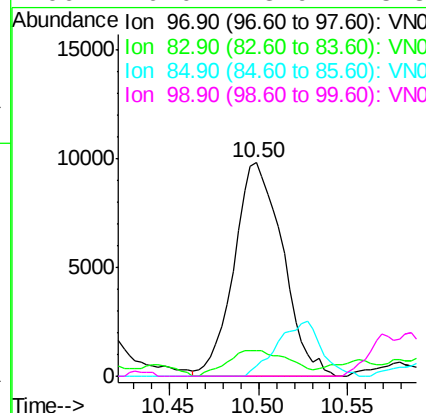
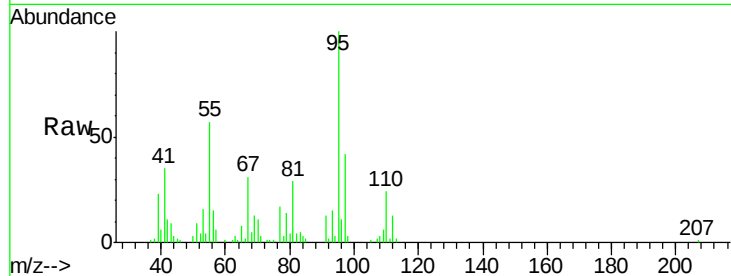




#55
 1,1,2-Trichloroethane
 Concen: 4.170 ug/l
 RT: 10.50 min Scan# 2724
 Delta R.T. -0.03 min
 Lab File: VN064730.D
 Acq: 19 Nov 2020 14:01

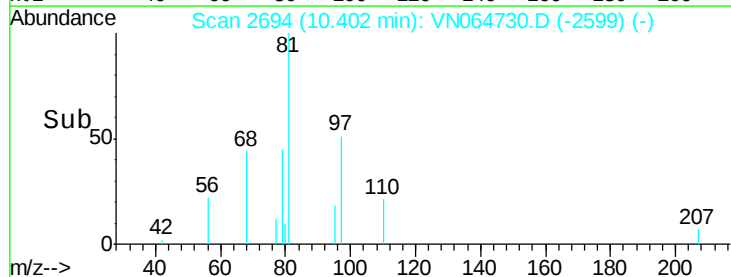
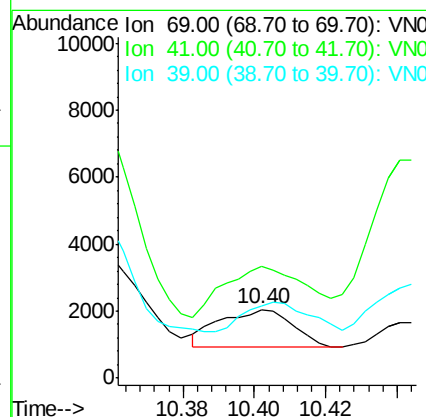
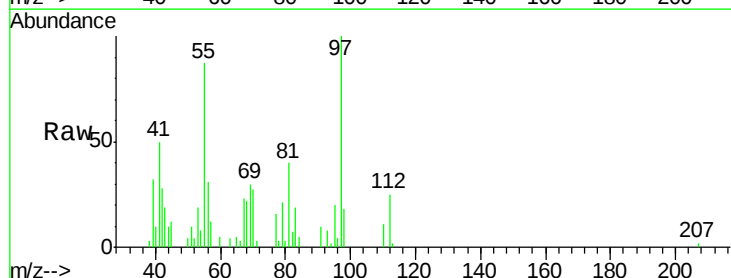
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-5

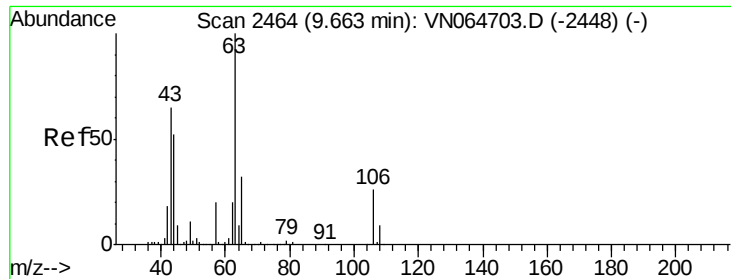
Tot Ion: 97 Resp: 18749
 Ion Ratio Lower Upper
 97 100
 83 12.1 69.6 104.4#
 85 4.9 46.6 70.0#
 99 0.0 48.9 73.3#



#56
 Ethyl methacrylate
 Concen: 2.882 ug/l
 RT: 10.40 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VN064730.D
 Acq: 19 Nov 2020 14:01

Tgt Ion: 69 Resp: 1610
 Ion Ratio Lower Upper
 69 100
 41 155.1 59.0 88.4#
 39 0.0 38.4 57.6#

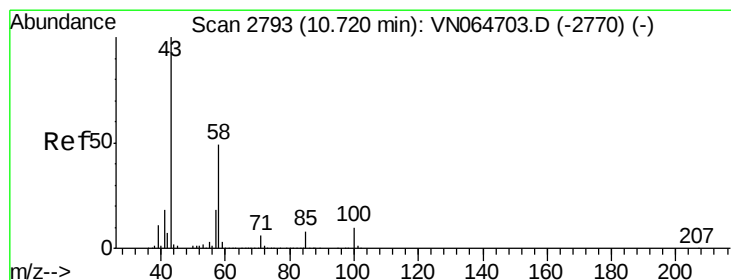
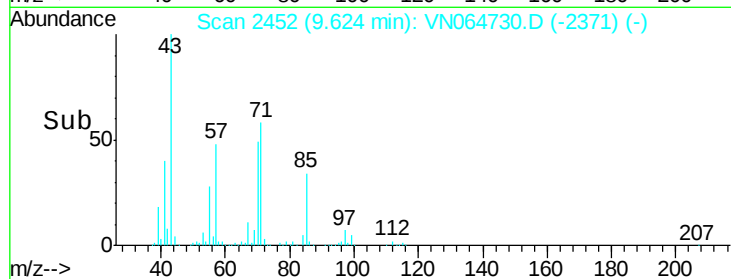
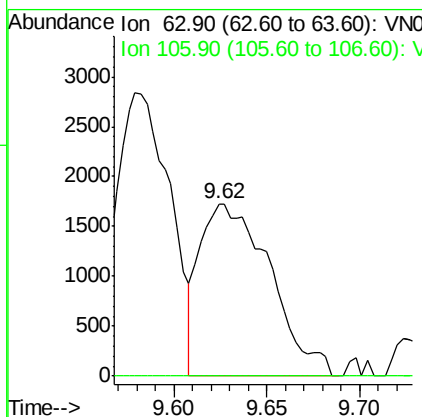
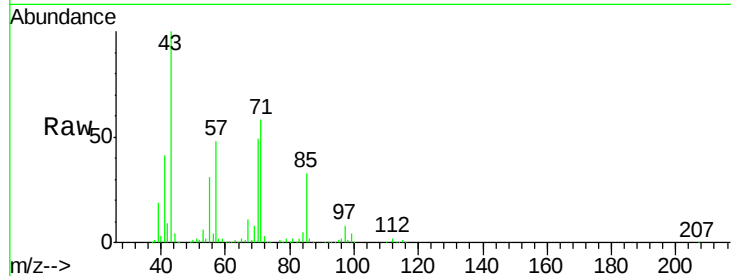




#58
 2-Chloroethyl Vinyl ether
 Concen: 14.339 ug/l
 RT: 9.62 min Scan# 2452
 Delta R.T. -0.04 min
 Lab File: VN064730.D
 Acq: 19 Nov 2020 14:01

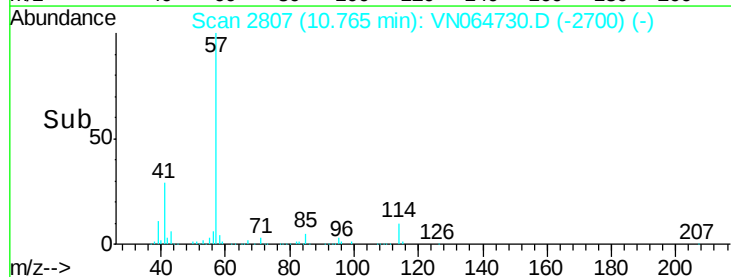
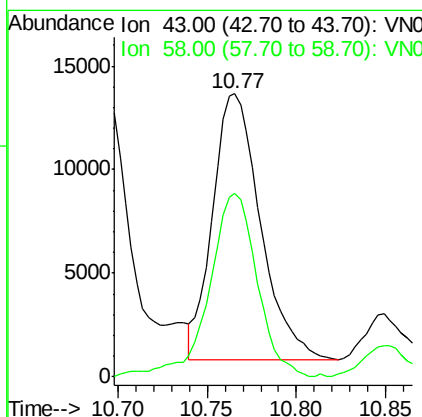
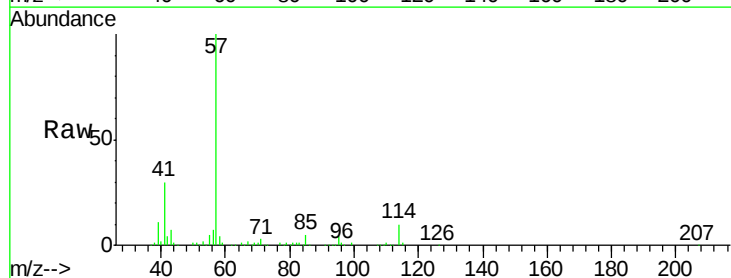
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-5

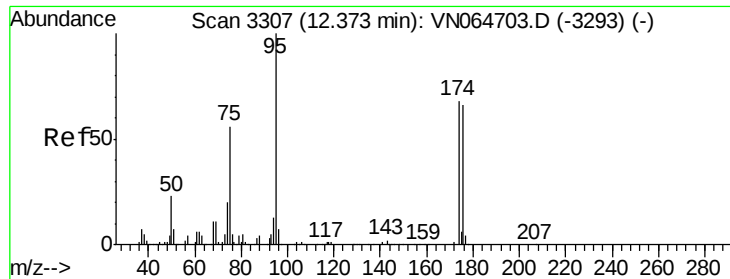
Tot Ion: 63 Resp: 4545
 Ion Ratio Lower Upper
 63 100
 106 0.0 20.9 31.3#



#59
 2-Hexanone
 Concen: 13.349 ug/l
 RT: 10.77 min Scan# 2807
 Delta R.T. 0.05 min
 Lab File: VN064730.D
 Acq: 19 Nov 2020 14:01

Tgt Ion: 43 Resp: 23888
 Ion Ratio Lower Upper
 43 100
 58 69.4 24.4 73.4





#62

4-Bromofluorobenzene

Concen: 45.860 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064730.D

Acq: 19 Nov 2020 14:01

Instrument :

MSVOA_N

ClientSampled :

MW-5

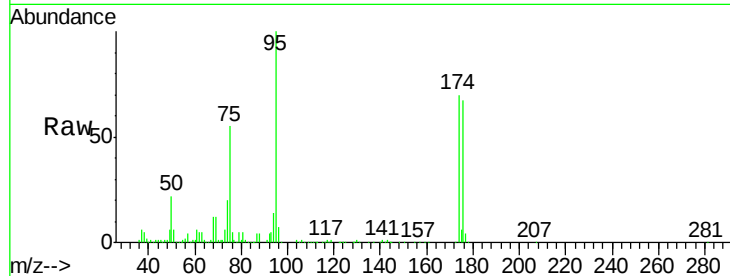
Tot Ion: 95 Resp: 281559

Ion Ratio Lower Upper

95 100

174 68.4 0.0 136.8

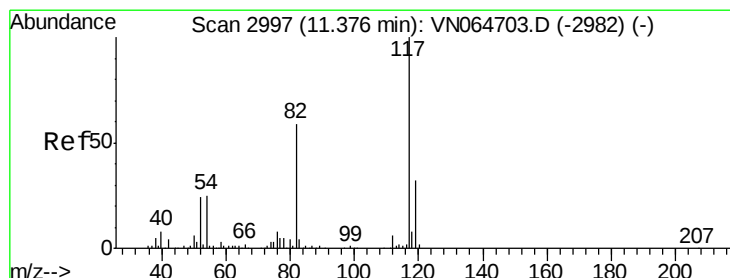
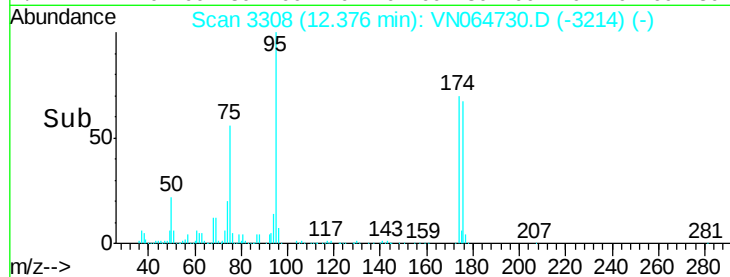
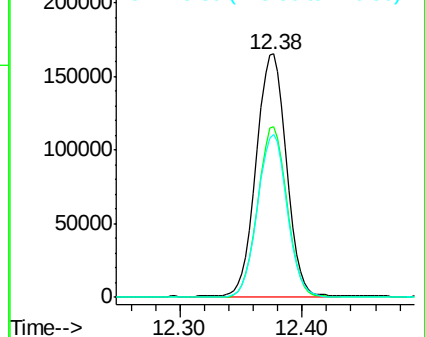
176 66.1 0.0 134.2



Abundance Ion 94.90 (94.60 to 95.60): VN064730.D (-3293) (-)

Ion 173.80 (173.50 to 174.50): VN064730.D (-3293) (-)

Ion 175.80 (175.50 to 176.50): VN064730.D (-3293) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. 0.00 min

Lab File: VN064730.D

Acq: 19 Nov 2020 14:01

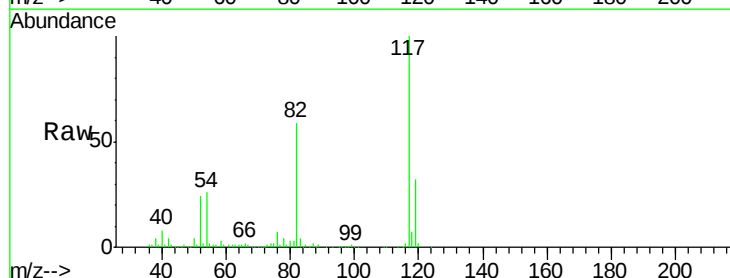
Tgt Ion: 117 Resp: 502028

Ion Ratio Lower Upper

117 100

82 58.6 47.0 70.6

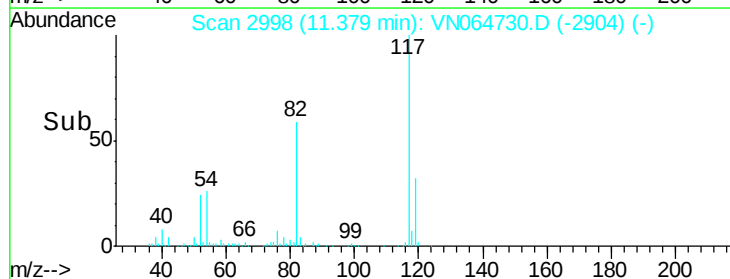
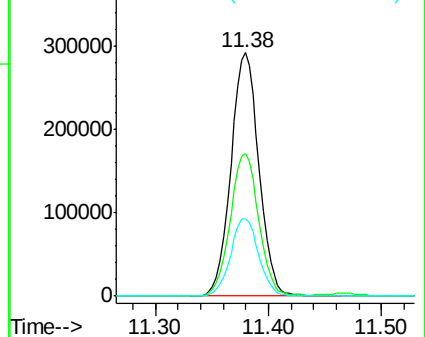
119 31.9 25.4 38.2

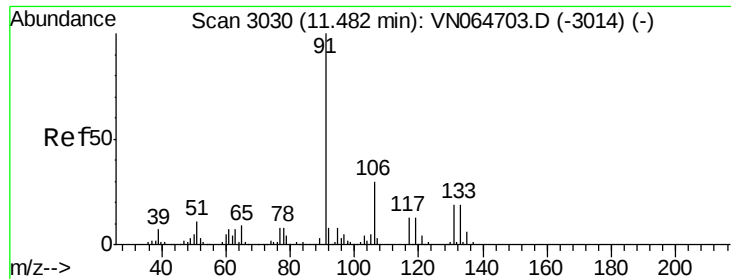


Abundance Ion 116.90 (116.60 to 117.60): VN064730.D (-2982) (-)

Ion 82.00 (81.70 to 82.70): VN064730.D (-2982) (-)

Ion 118.90 (118.60 to 119.60): VN064730.D (-2982) (-)

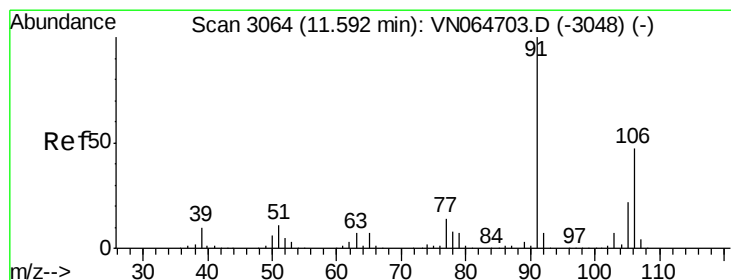
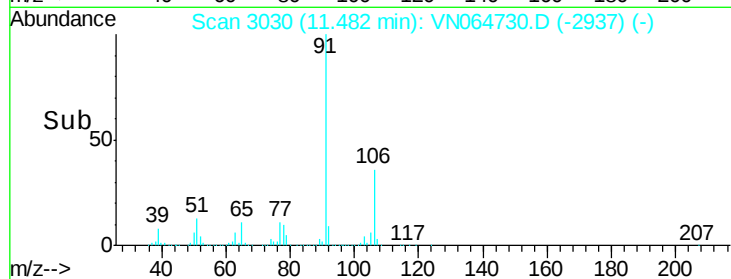
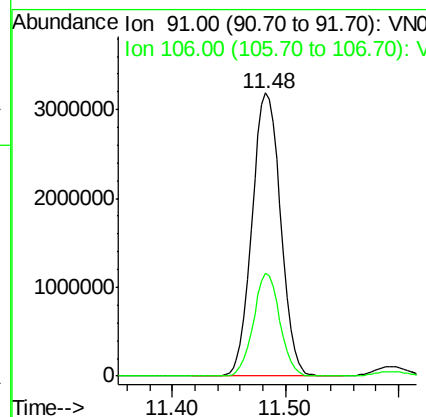
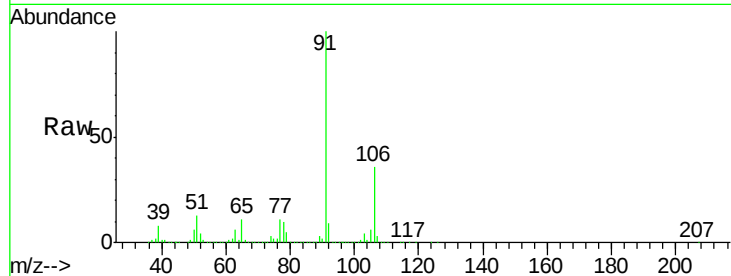




#67
Ethyl Benzene
Concen: 297.444 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN064730.D
Acq: 19 Nov 2020 14:01

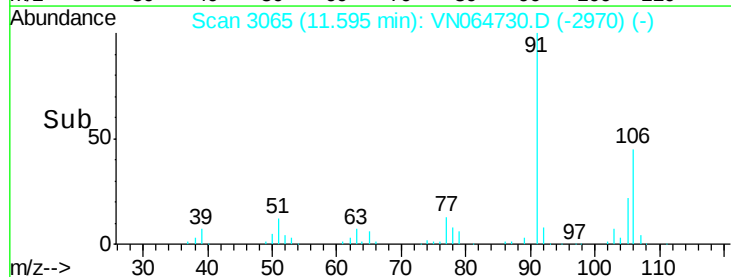
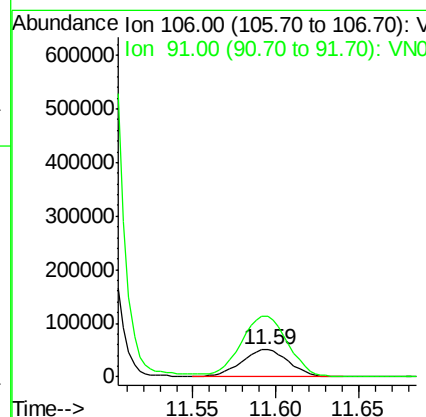
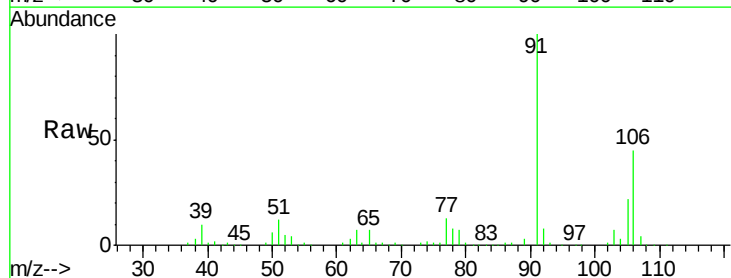
Instrument :
MSVOA_N
ClientSampled :
MW-5

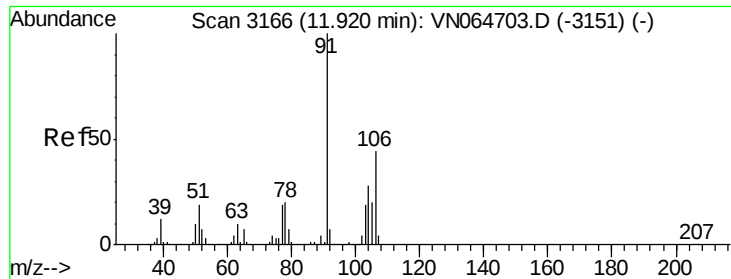
Tot Ion: 91 Resp: 5600526
Ion Ratio Lower Upper
91 100
106 36.2 23.9 35.9#



#68
m/p-Xylenes
Concen: 16.701 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN064730.D
Acq: 19 Nov 2020 14:01

Tgt Ion: 106 Resp: 100729
Ion Ratio Lower Upper
106 100
91 221.8 171.9 257.9

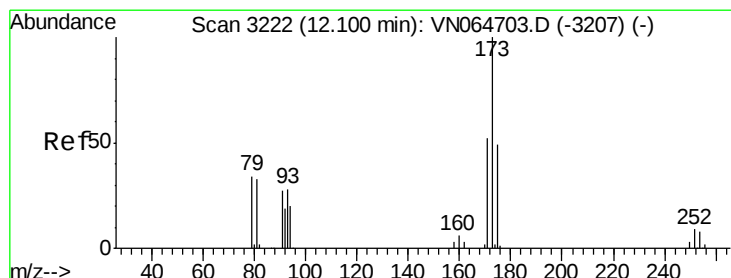
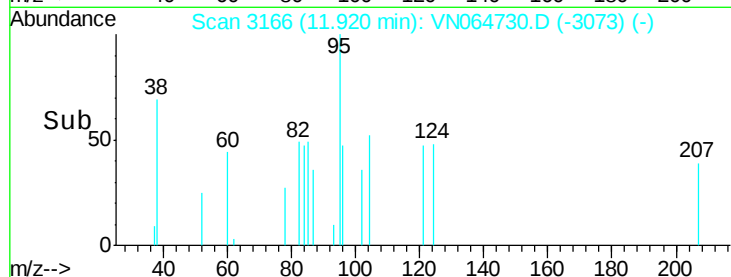
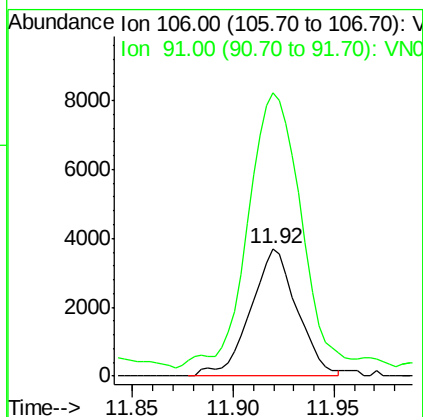
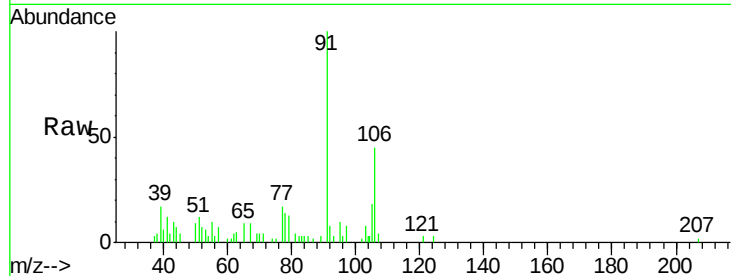




#69
o-Xylene
Concen: 0.903 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN064730.D
Acq: 19 Nov 2020 14:01

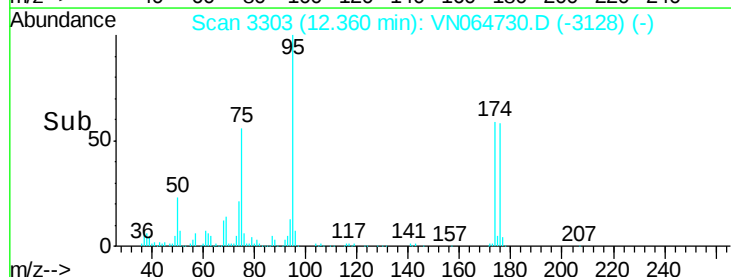
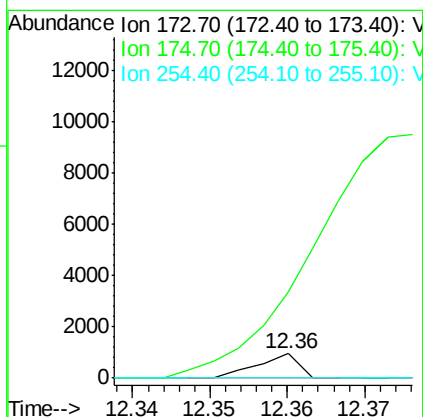
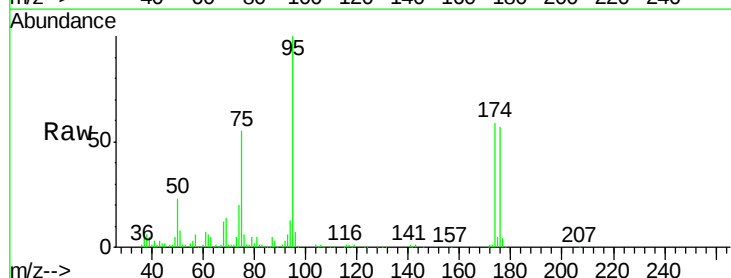
Instrument :
MSVOA_N
ClientSampled :
MW-5

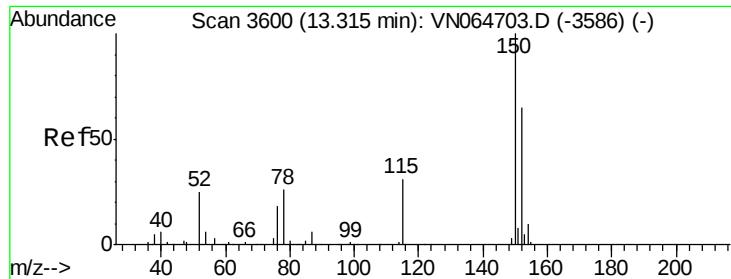
Tot Ion:106 Resp: 5932
Ion Ratio Lower Upper
106 100
91 243.5 112.1 336.3



#71
Bromoform
Concen: 2.556 ug/l
RT: 12.36 min Scan# 3303
Delta R.T. 0.26 min
Lab File: VN064730.D
Acq: 19 Nov 2020 14:01

Tgt Ion:173 Resp: 357
Ion Ratio Lower Upper
173 100
175 0.0 24.3 72.9#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN064730.D

Acq: 19 Nov 2020 14:01

Instrument :

MSVOA_N

ClientSampled :

MW-5

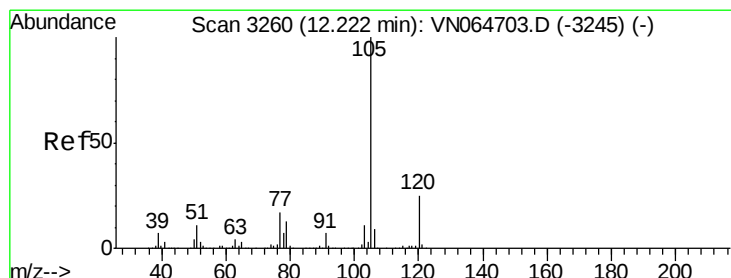
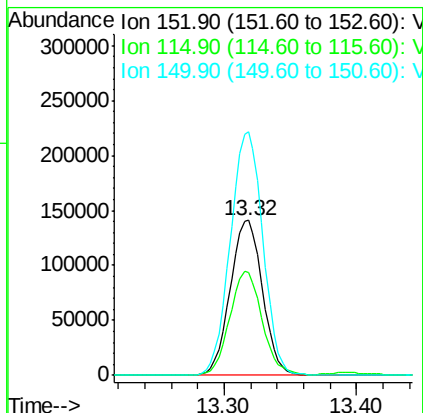
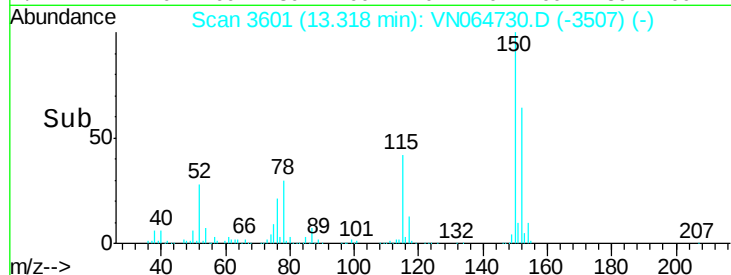
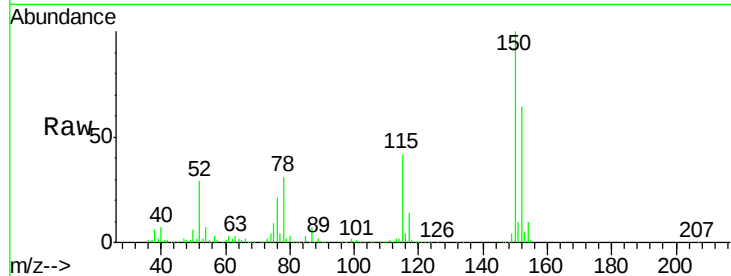
Tot Ion:152 Resp: 239230

Ion Ratio Lower Upper

152 100

115 66.7 32.1 96.3

150 157.7 0.0 344.8



#73

Isopropylbenzene

Concen: 159.963 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN064730.D

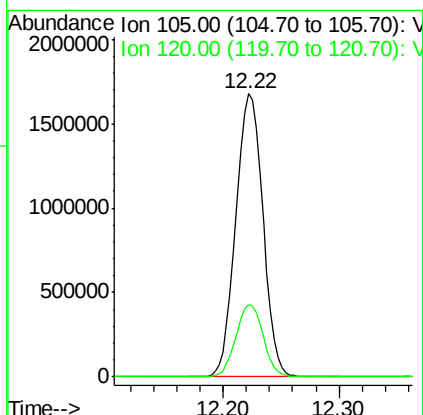
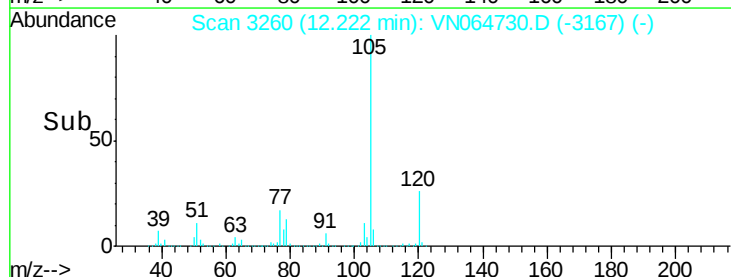
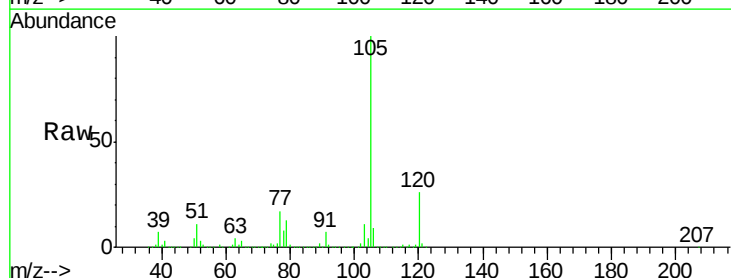
Acq: 19 Nov 2020 14:01

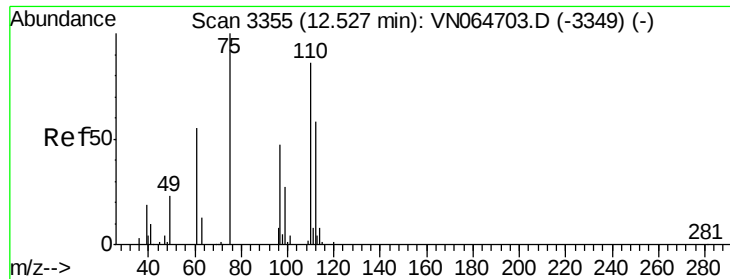
Tgt Ion:105 Resp: 2717024

Ion Ratio Lower Upper

105 100

120 25.5 12.8 38.3





#76

1,2,3-Trichloropropane

Concen: 5.154 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.04 min

Lab File: VN064730.D

Acq: 19 Nov 2020 14:01

Instrument :

MSVOA_N

ClientSampleId :

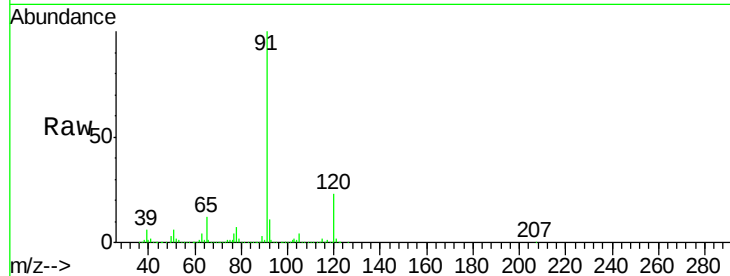
MW-5

Tot Ion: 75 Resp: 26567

Ion Ratio Lower Upper

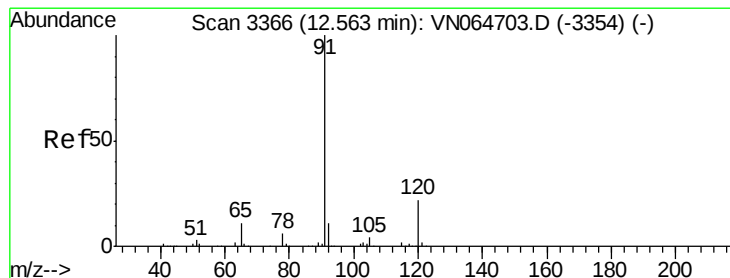
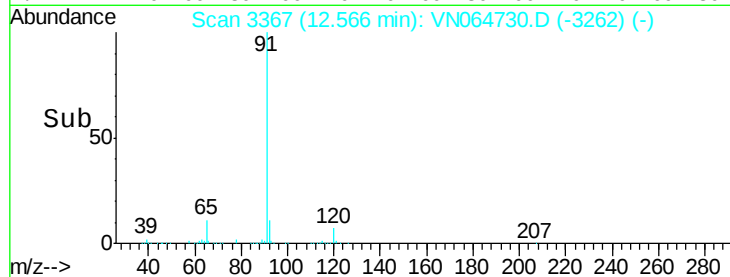
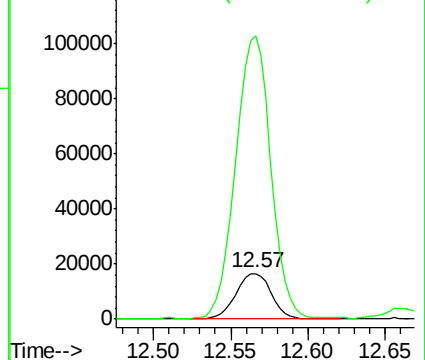
75 100

77 605.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#78

n-propylbenzene

Concen: 186.813 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064730.D

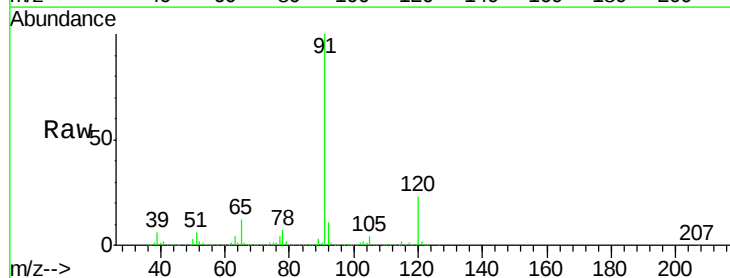
Acq: 19 Nov 2020 14:01

Tgt Ion: 91 Resp: 3695291

Ion Ratio Lower Upper

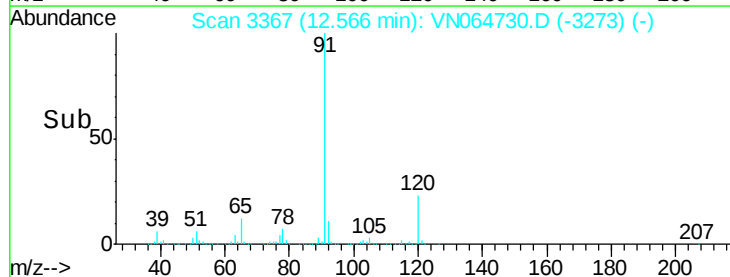
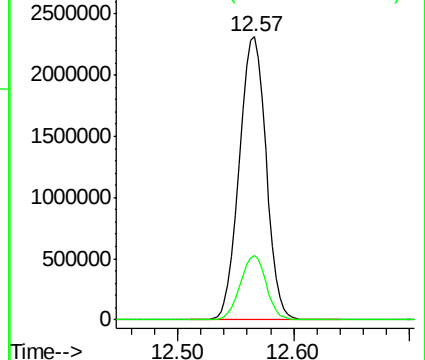
91 100

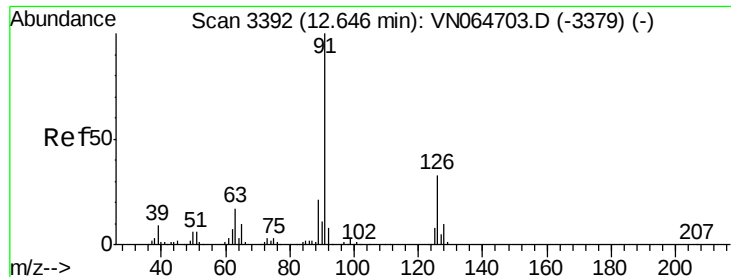
120 22.0 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 291.885 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. -0.08 min

Lab File: VN064730.D

Acq: 19 Nov 2020 14:01

Instrument :

MSVOA_N

ClientSampled :

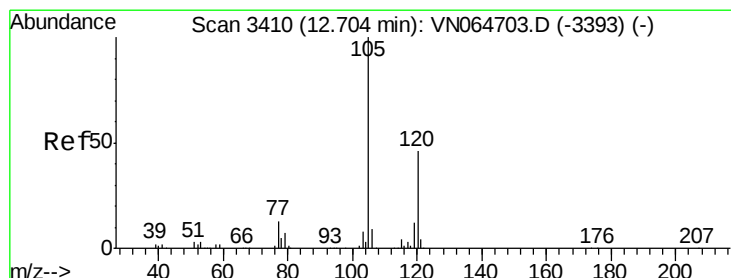
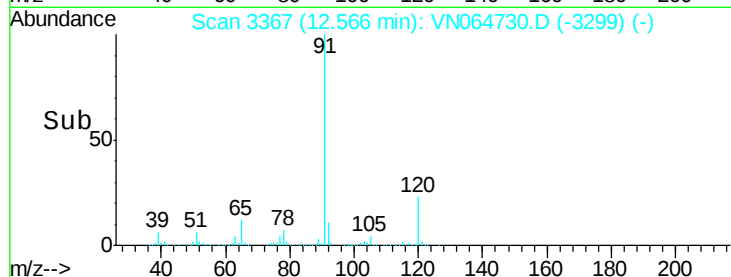
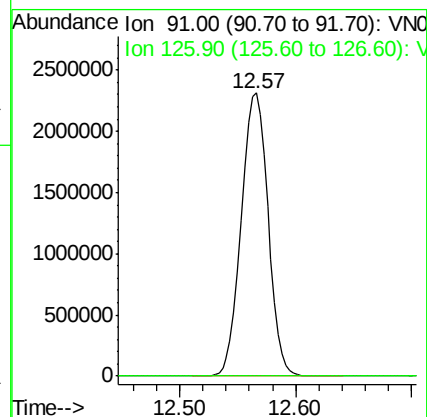
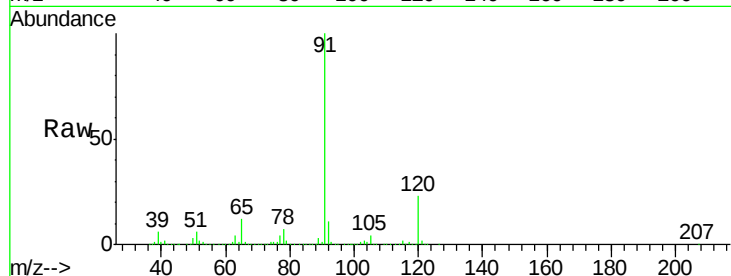
MW-5

Tot Ion: 91 Resp: 3695291

Ion Ratio Lower Upper

91 100

126 0.0 16.0 48.0#



#80

1,3,5-Trimethylbenzene

Concen: 40.376 ug/l

RT: 12.86 min Scan# 3460

Delta R.T. 0.16 min

Lab File: VN064730.D

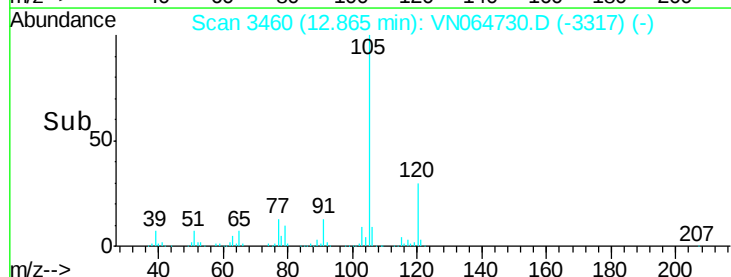
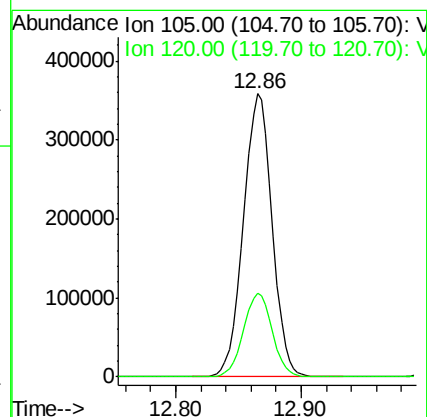
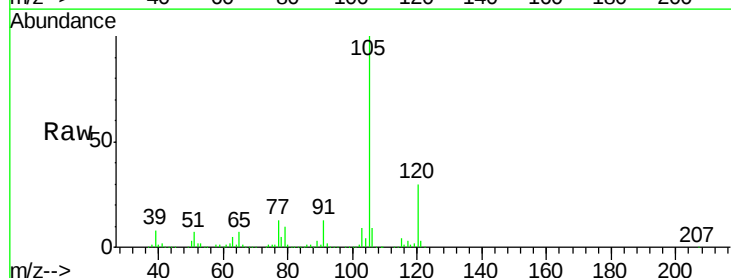
Acq: 19 Nov 2020 14:01

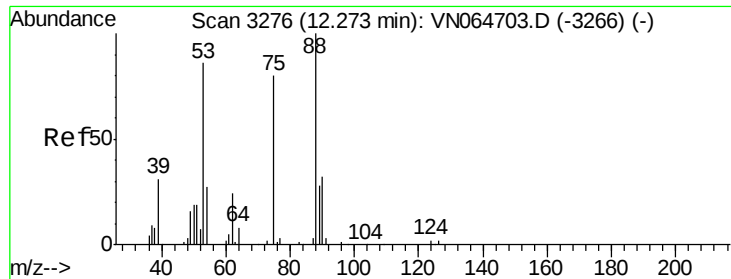
Tgt Ion: 105 Resp: 569694

Ion Ratio Lower Upper

105 100

120 29.6 22.9 68.8





#81

trans-1,4-Dichloro-2-butene

Concen: 19.541 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.05 min

Lab File: VN064730.D

Acq: 19 Nov 2020 14:01

Instrument :

MSVOA_N

ClientSampled :

MW-5

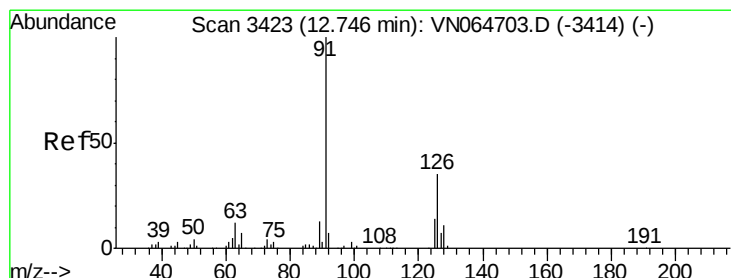
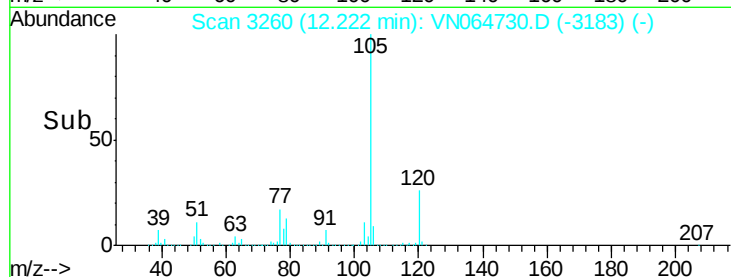
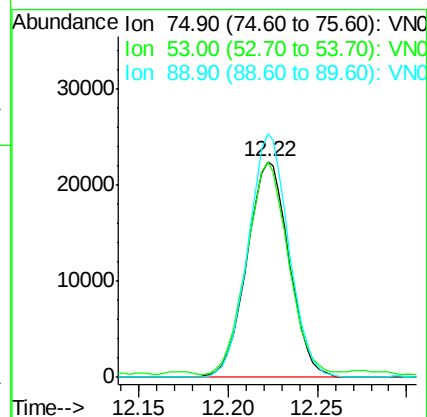
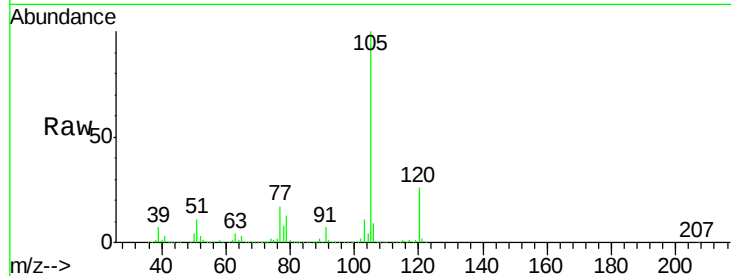
Tot Ion: 75 Resp: 37164

Ion Ratio Lower Upper

75 100

53 96.8 88.8 133.2

89 108.9 43.1 64.7#



#82

4-Chlorotoluene

Concen: 273.737 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. -0.18 min

Lab File: VN064730.D

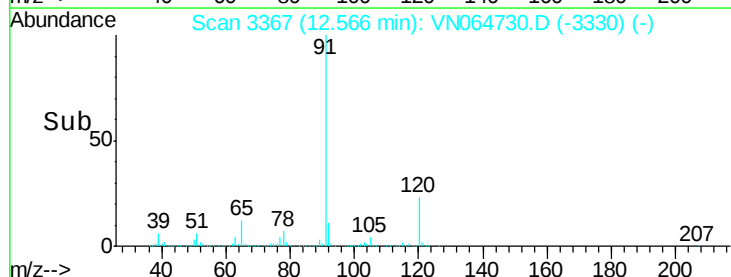
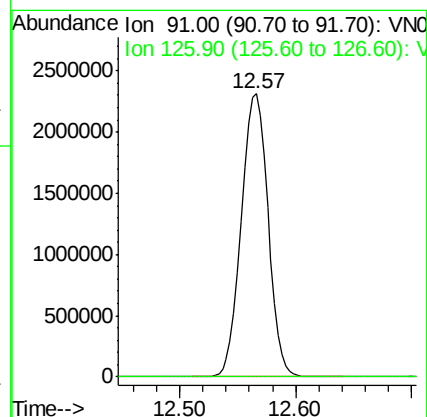
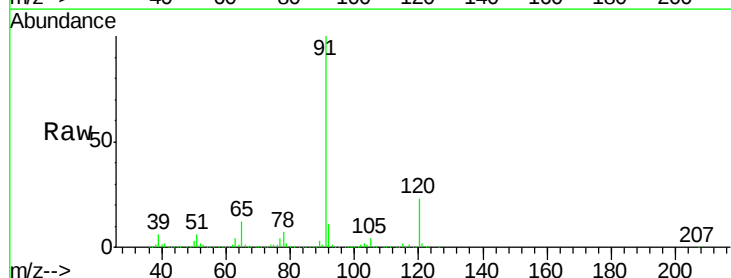
Acq: 19 Nov 2020 14:01

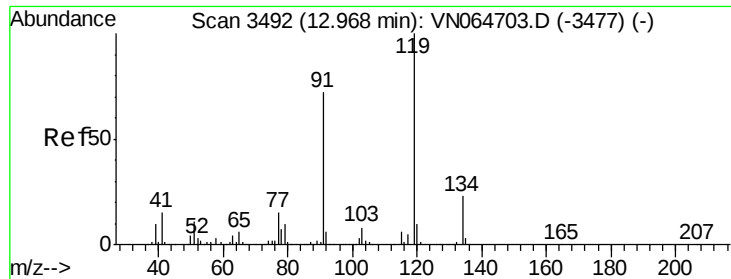
Tgt Ion: 91 Resp: 3695291

Ion Ratio Lower Upper

91 100

126 0.0 15.9 47.7#





#83

tert-Butylbenzene

Concen: 0.224 ug/l

RT: 12.97 min Scan# 3492

Delta R.T. -0.00 min

Lab File: VN064730.D

Acq: 19 Nov 2020 14:01

Instrument :

MSVOA_N

ClientSampled :

MW-5

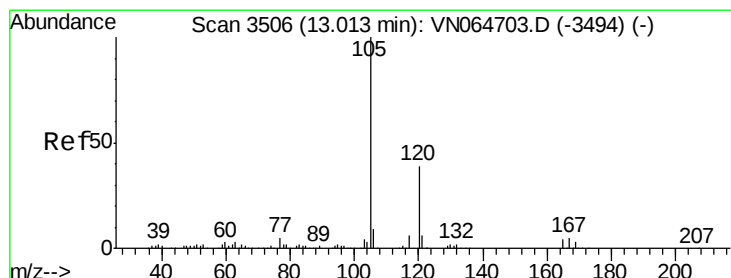
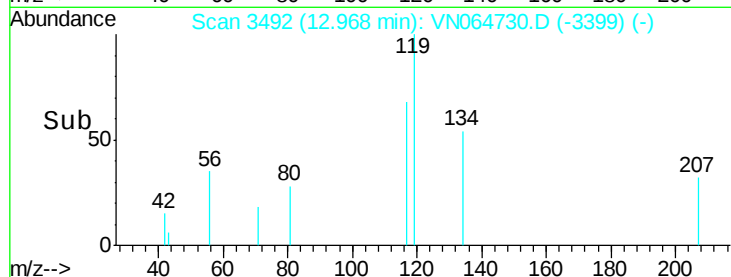
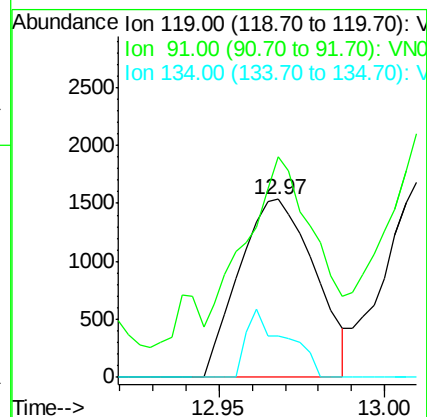
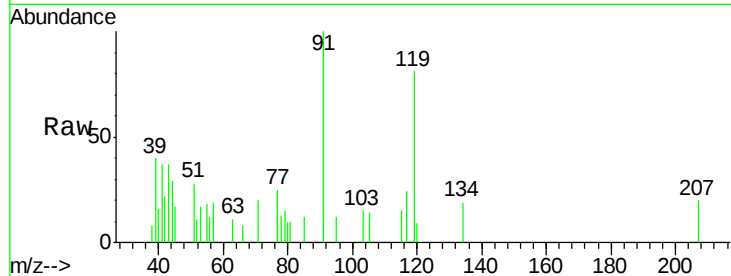
Tot Ion:119 Resp: 2447

Ion Ratio Lower Upper

119 100

91 0.0 35.8 107.4#

134 0.0 12.0 36.1#



#84

1,2,4-Trimethylbenzene

Concen: 1.724 ug/l

RT: 13.02 min Scan# 3507

Delta R.T. 0.00 min

Lab File: VN064730.D

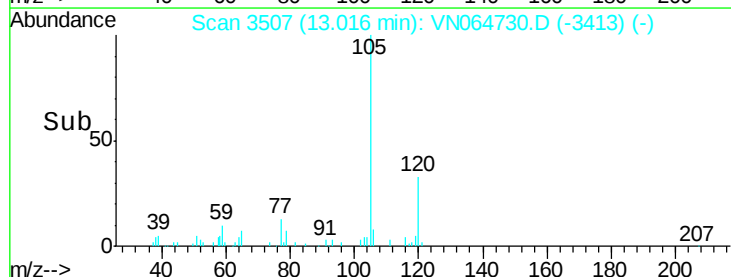
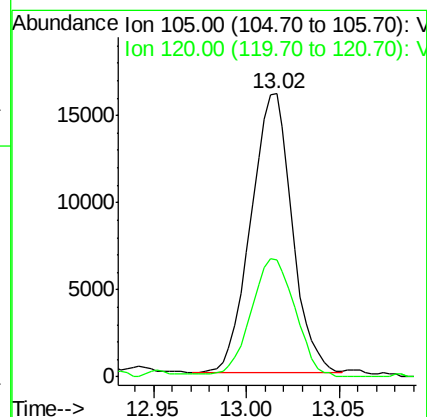
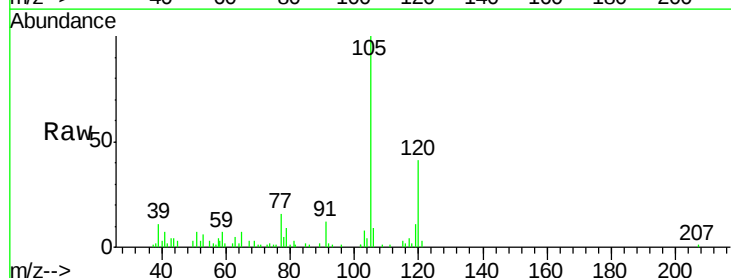
Acq: 19 Nov 2020 14:01

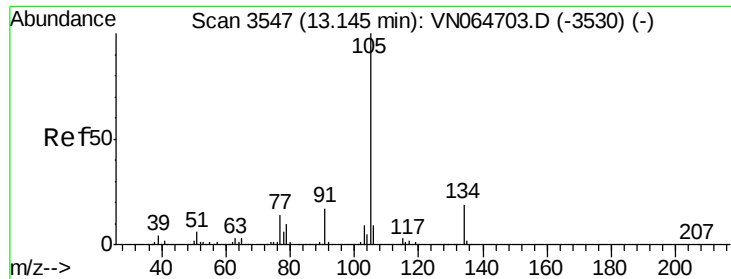
Tgt Ion:105 Resp: 24822

Ion Ratio Lower Upper

105 100

120 45.5 22.0 66.0

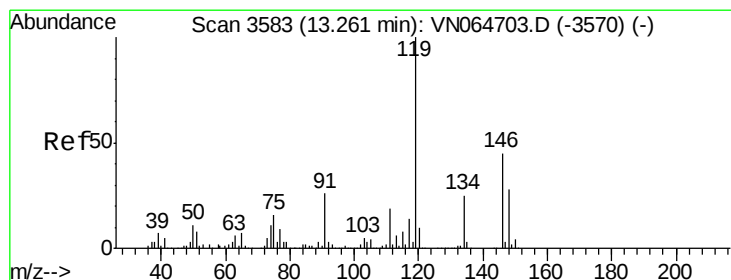
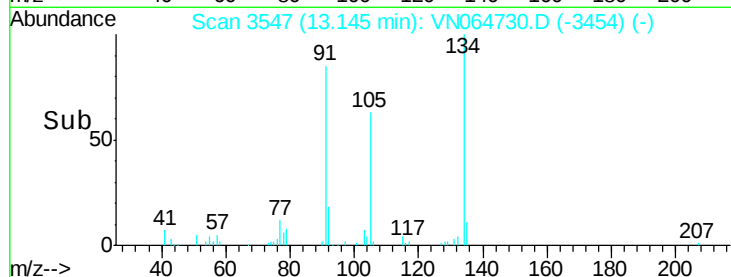
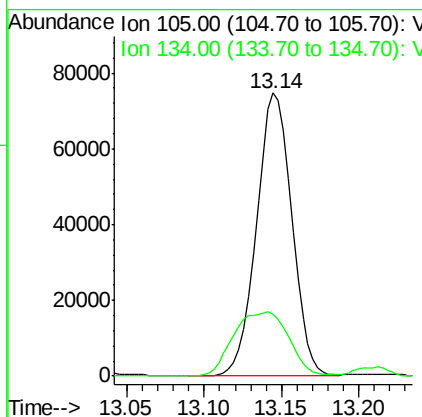
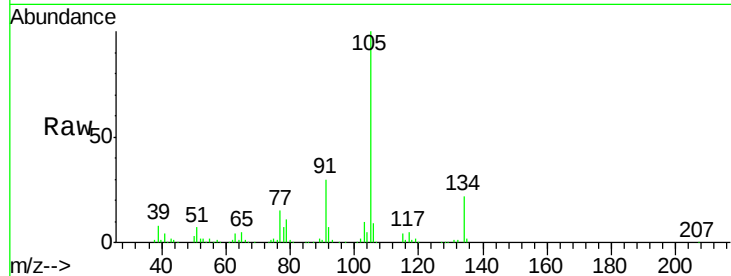




#85
 sec-Butylbenzene
 Concen: 8.187 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN064730.D
 Acq: 19 Nov 2020 14:01

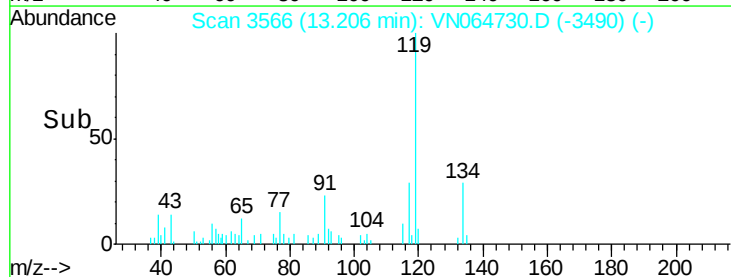
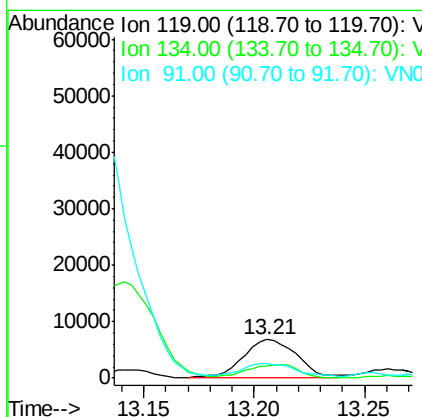
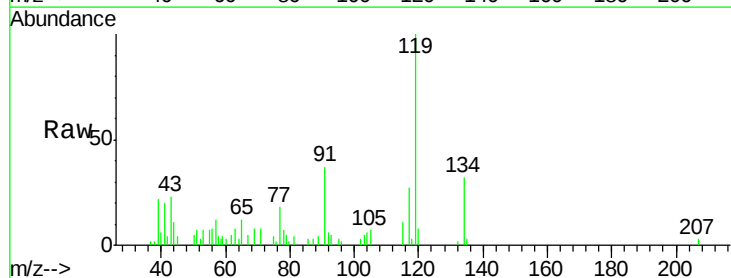
Instrument :
 MSVOA_N
 ClientSampled :
 MW-5

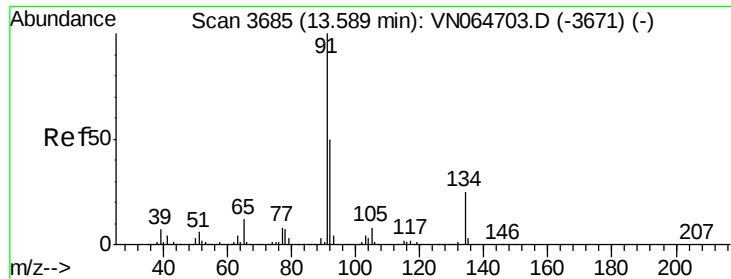
Tot Ion:105 Resp: 119106
 Ion Ratio Lower Upper
 105 100
 134 35.4 9.5 28.5#



#86
 p-Isopropyltoluene
 Concen: 0.871 ug/l
 RT: 13.21 min Scan# 3566
 Delta R.T. -0.05 min
 Lab File: VN064730.D
 Acq: 19 Nov 2020 14:01

Tgt Ion:119 Resp: 11653
 Ion Ratio Lower Upper
 119 100
 134 32.9 12.7 38.0
 91 0.0 13.3 39.8#

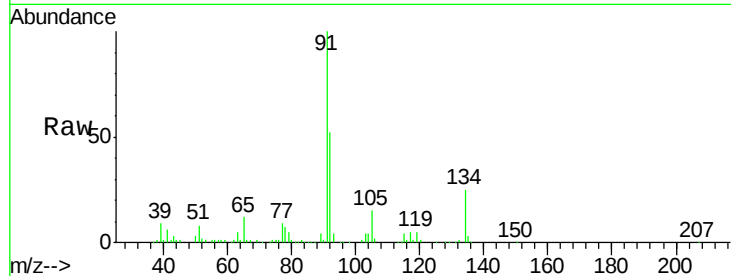




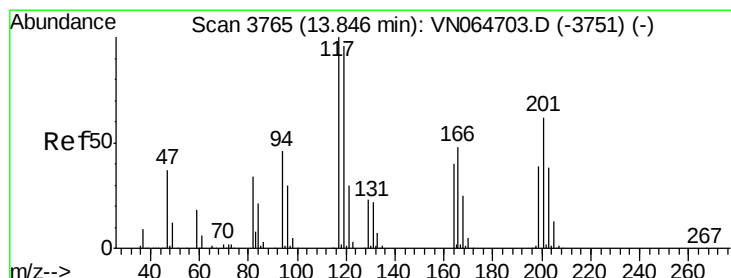
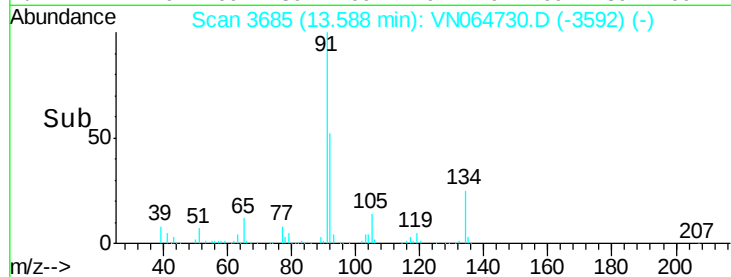
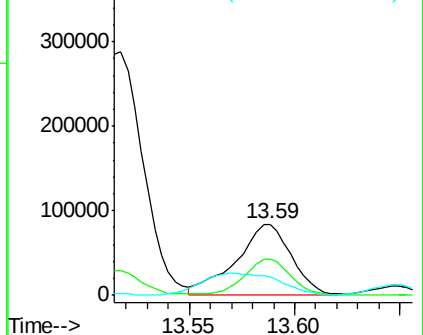
#89
n-Butylbenzene
Concen: 12.170 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN064730.D
Acq: 19 Nov 2020 14:01

Instrument :
MSVOA_N
ClientSampled :
MW-5

Tot Ion: 91 Resp: 152017
Ion Ratio Lower Upper
91 100
92 43.6 24.9 74.8
134 43.2 12.0 36.0#

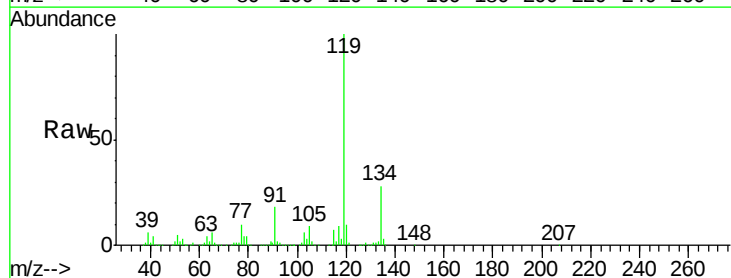


Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 92.00 (91.70 to 92.70): VN0
Ion 134.00 (133.70 to 134.70): V

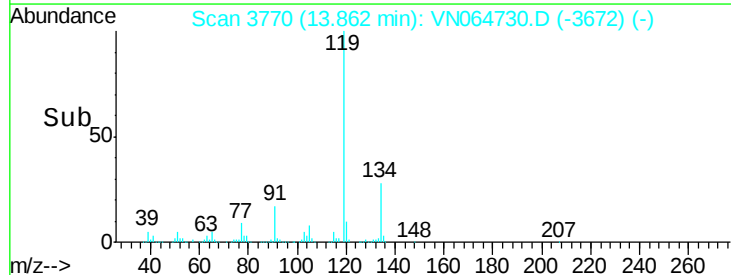
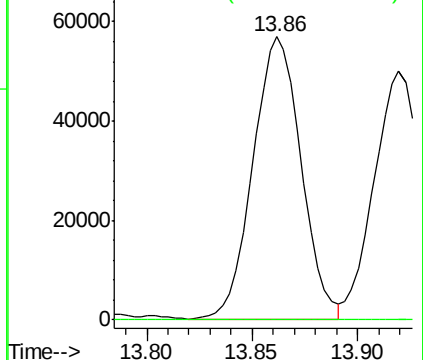


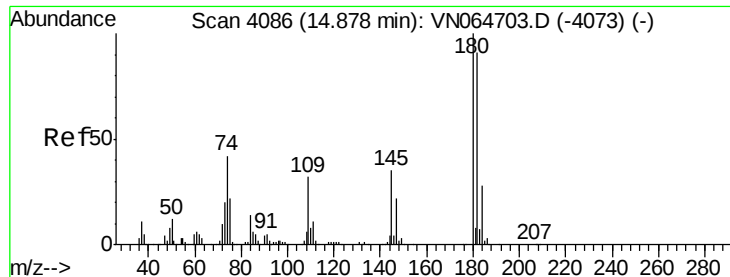
#90
Hexachloroethane
Concen: 40.583 ug/l
RT: 13.86 min Scan# 3770
Delta R.T. 0.02 min
Lab File: VN064730.D
Acq: 19 Nov 2020 14:01

Tgt Ion: 117 Resp: 89769
Ion Ratio Lower Upper
117 100
201 0.0 31.9 95.5#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V

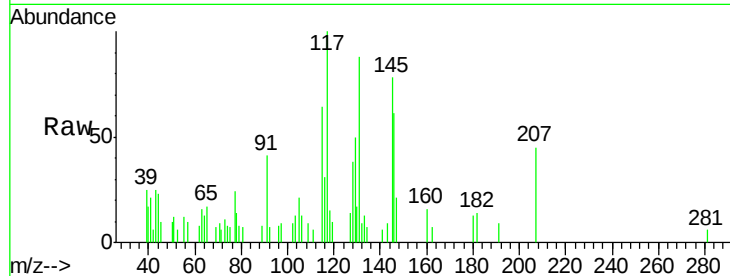




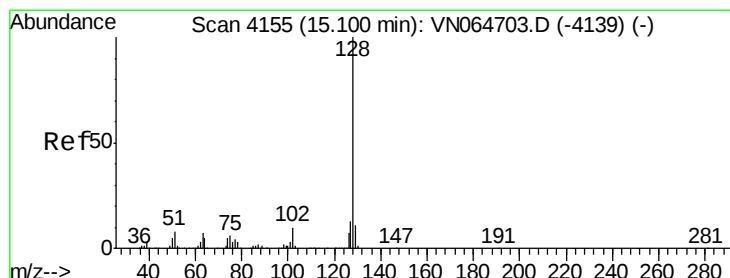
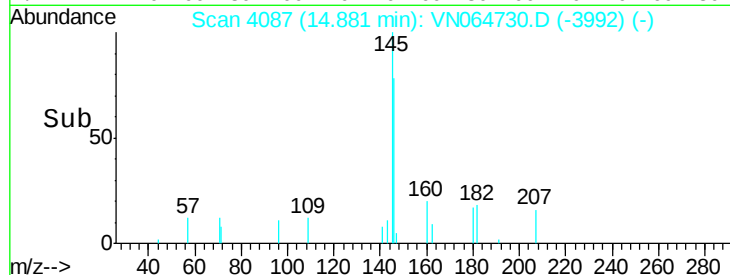
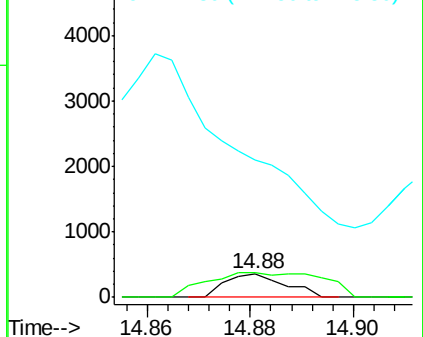
#93
1,2,4-Trichlorobenzene
Concen: 1.399 ug/l
RT: 14.88 min Scan# 4087
Delta R.T. 0.00 min
Lab File: VN064730.D
Acq: 19 Nov 2020 14:01

Instrument :
MSVOA_N
ClientSampleId :
MW-5

Tot Ion:180 Resp: 287
Ion Ratio Lower Upper
180 100
182 203.8 47.3 141.8#
145 2878.0 17.5 52.5#

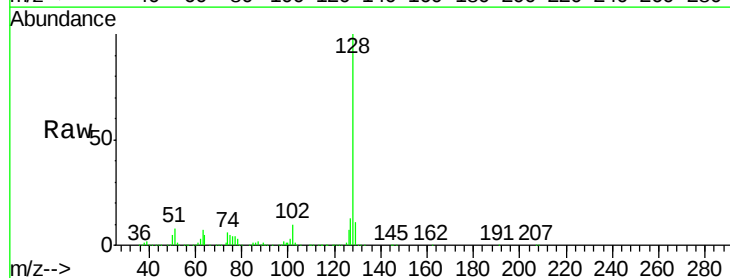


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

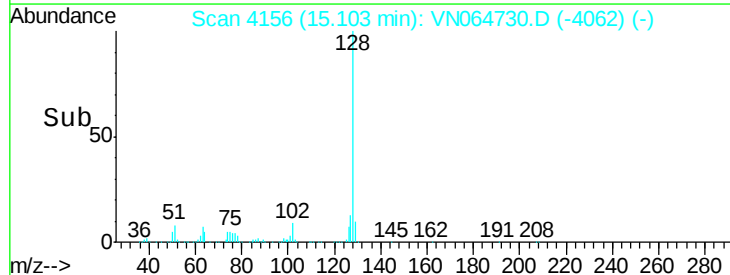
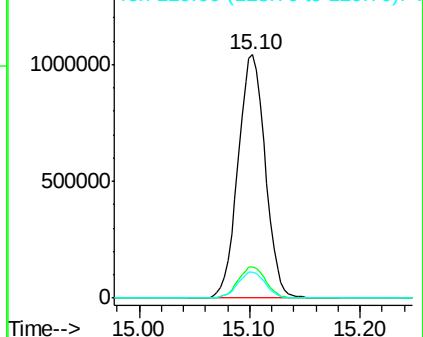


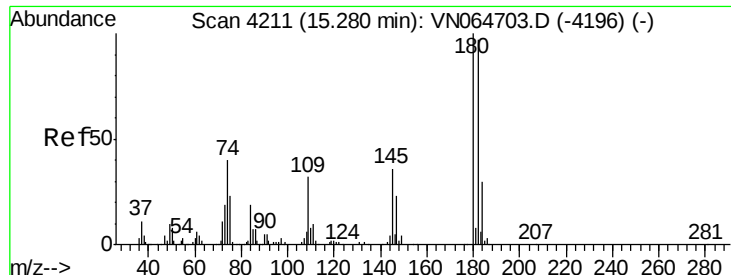
#95
Naphthalene
Concen: 132.269 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN064730.D
Acq: 19 Nov 2020 14:01

Tgt Ion:128 Resp: 1778501
Ion Ratio Lower Upper
128 100
127 13.0 10.8 16.2
129 10.8 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

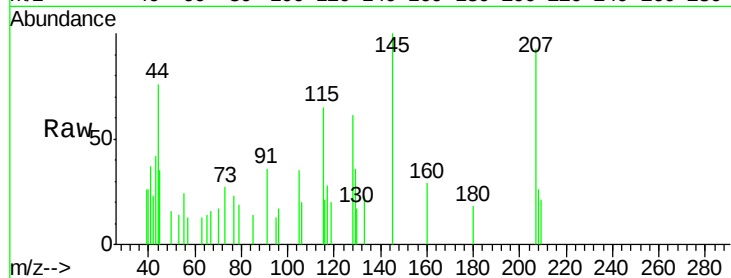




#96
 1,2,3-Trichlorobenzene
 Concen: 0.810 ug/l
 RT: 15.30 min Scan# 4216
 Delta R.T. 0.02 min
 Lab File: VN064730.D
 Acq: 19 Nov 2020 14:01

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-5

Tot Ion	Ratio	Lower	Upper
180	100		
182	126.0	47.5	142.5
145	0.0	18.1	54.1



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

