

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112420\
 Data File : VN064819.D
 Acq On : 24 Nov 2020 18:40
 Operator : JC/MD
 Sample : L4829-18DL 20X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3DL

Quant Time: Nov 25 04:07:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:54:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	171388	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	302832	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	314836	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	152512	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	102045	51.21	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	102.42%
35) Dibromofluoromethane	7.55	113	95237	52.56	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	105.12%
50) Toluene-d8	10.06	98	380454	51.39	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	102.78%
62) 4-Bromofluorobenzene	12.38	95	155856	58.82	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	117.64%

Target Compounds

					Qvalue	
5) Bromomethane	2.55	94	590	0.447	ug/l	82
14) Allyl chloride	4.49	41	632	0.231	ug/l #	26
16) Acetone	3.78	43	764	1.166	ug/l #	43
17) Carbon Disulfide	4.01	76	2490	0.585	ug/l #	67
18) Methyl Acetate	4.48	43	1231	0.625	ug/l #	50
20) Methylene Chloride	4.52	84	584	0.285	ug/l #	29
31) Cyclohexane	7.62	56	6241	2.247	ug/l #	42
36) 1,1-Dichloropropene	7.63	75	12154	4.330	ug/l #	47
38) Carbon Tetrachloride	7.63	117	16542	5.664	ug/l #	15
39) Methylcyclohexane	9.05	83	3928	1.300	ug/l #	93
40) Benzene	8.00	78	35766	4.158	ug/l	97
41) Methacrylonitrile	7.33	41	349	0.280	ug/l #	1
43) Isopropyl Acetate	8.11	43	1507	0.346	ug/l #	59
52) Toluene	10.13	92	7870	1.486	ug/l	92
55) 1,1,2-Trichloroethane	10.50	97	3169	1.455	ug/l #	14
67) Ethyl Benzene	11.48	91	344937	30.540	ug/l	100
68) m/p-Xylenes	11.60	106	26260	6.141	ug/l	100
69) o-Xylene	11.92	106	9427	2.323	ug/l	99
71) Bromoform	12.38	173	579	0.292	ug/l #	1
73) Isopropylbenzene	12.22	105	15398	1.452	ug/l	97
76) 1,2,3-Trichloropropane	12.37	75	75666	23.038	ug/l #	100
78) n-propylbenzene	12.56	91	35815	2.964	ug/l	99
79) 2-Chlorotoluene	12.66	91	1889	0.253	ug/l #	40
80) 1,3,5-Trimethylbenzene	12.66	105	11730	1.330	ug/l	77
81) trans-1,4-Dichloro-2-buten	12.37	75	75666	63.140	ug/l #	15
82) 4-Chlorotoluene	12.66	91	1889	0.241	ug/l #	41
83) tert-Butylbenzene	13.01	119	36313	4.913	ug/l #	71
84) 1,2,4-Trimethylbenzene	13.01	105	291781	32.729	ug/l	99
85) sec-Butylbenzene	13.01	105	291781	29.734	ug/l #	56
86) p-Isopropyltoluene	13.26	119	2888	0.323	ug/l #	73
89) n-Butylbenzene	13.59	91	8906	1.135	ug/l #	70
90) Hexachloroethane	13.86	117	3404	2.193	ug/l #	9
95) Naphthalene	15.10	128	126982	13.733	ug/l	98
96) 1,2,3-Trichlorobenzene	15.27	180	424	1.532	ug/l #	1

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Quant Title : SW846 8260
QLast Update : Mon Nov 23 13:54:12 2020
Response via : Initial Calibration

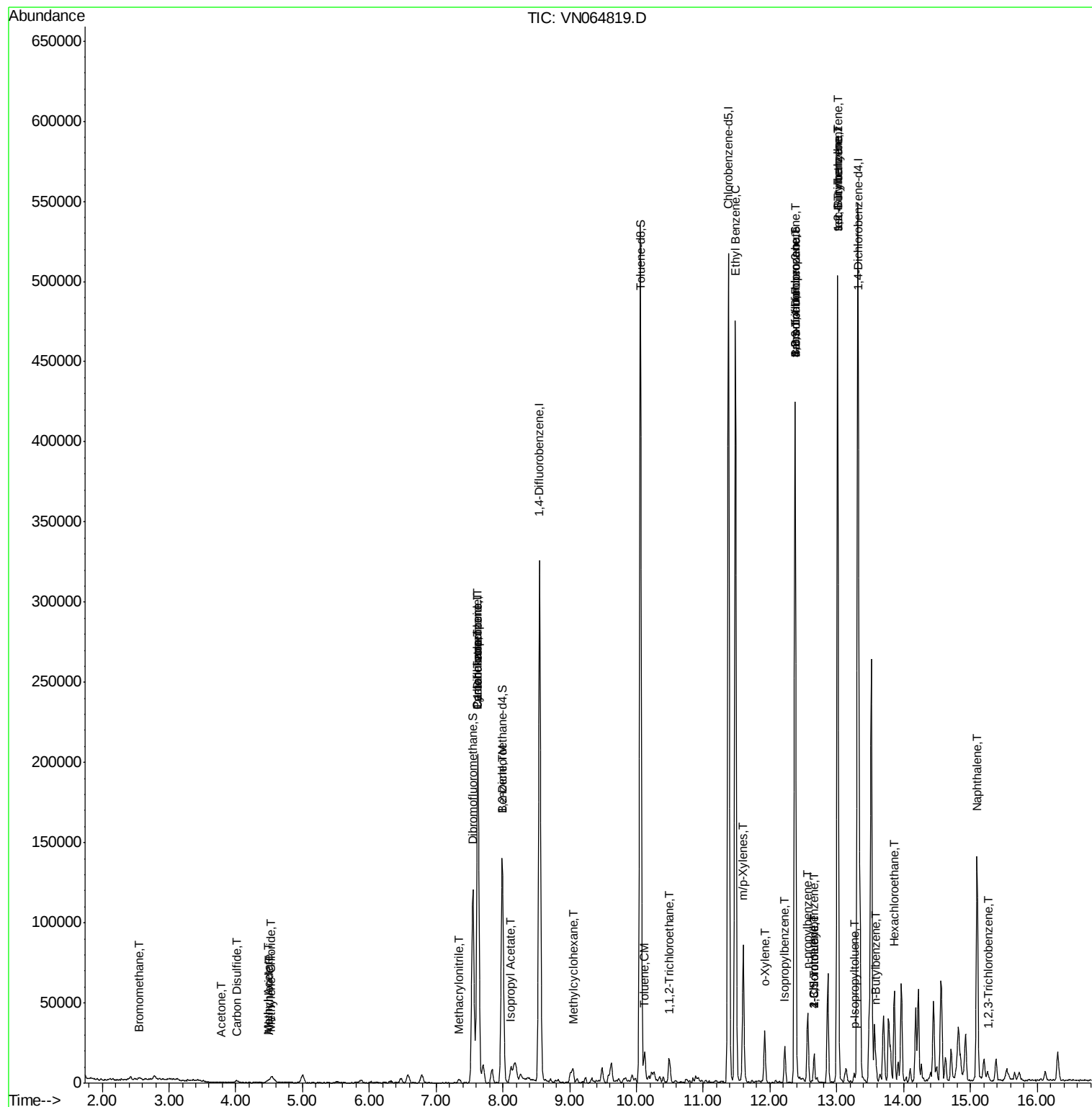
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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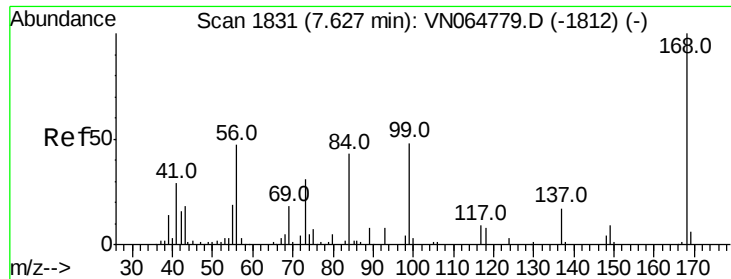
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064819.D

Acq: 24 Nov 2020 18:40

Instrument :

MSVOA_N

ClientSampled :

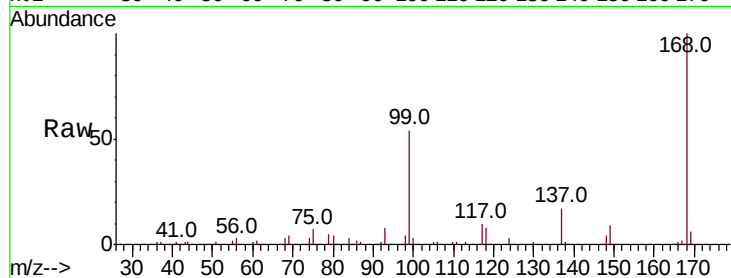
MW-3DL

Tot Ion:168 Resp: 171388

Ion Ratio Lower Upper

168 100

99 54.1 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

80000

60000

40000

20000

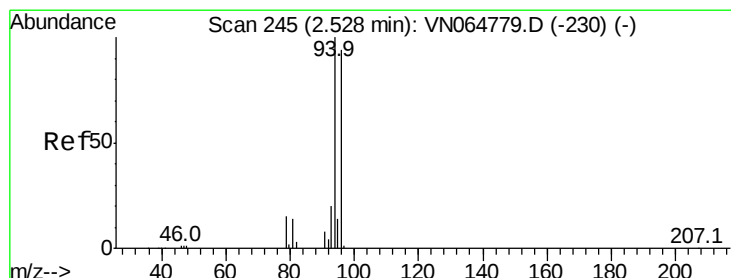
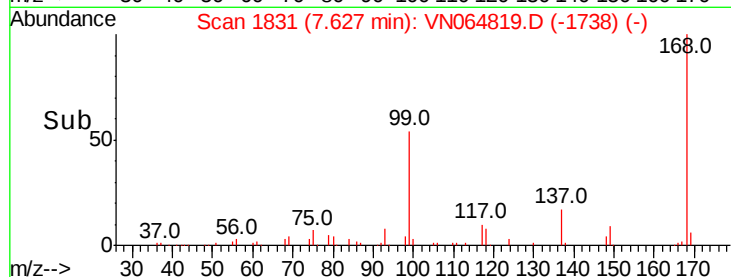
0

Time-->

7.50

7.60

7.70



#5

Bromomethane

Concen: 0.447 ug/l

RT: 2.55 min Scan# 253

Delta R.T. 0.03 min

Lab File: VN064819.D

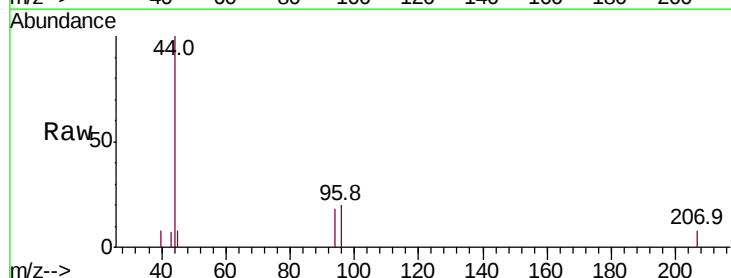
Acq: 24 Nov 2020 18:40

Tgt Ion: 94 Resp: 590

Ion Ratio Lower Upper

94 100

96 111.4 75.4 113.0



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.55

500

400

300

200

100

0

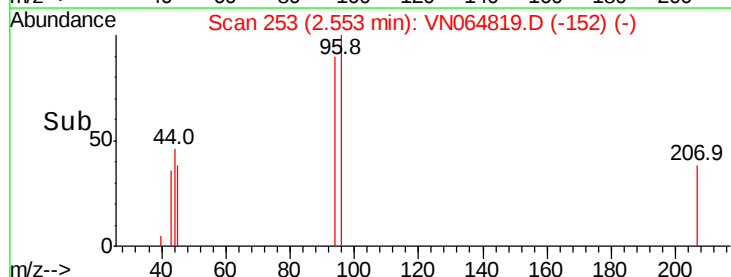
Time-->

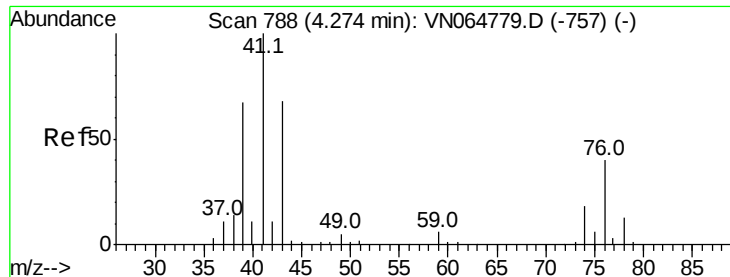
2.52

2.54

2.56

2.58

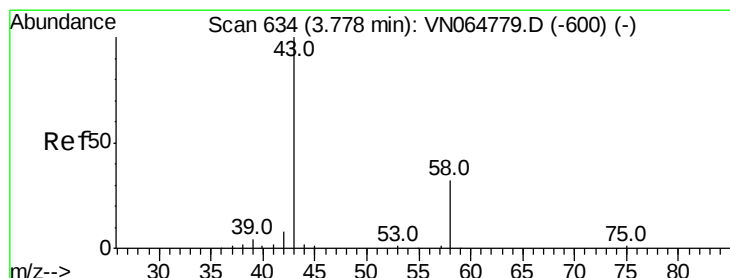
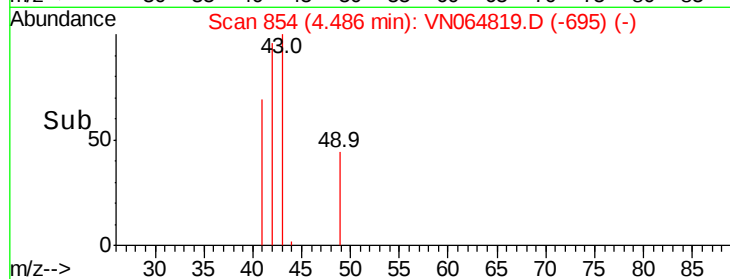
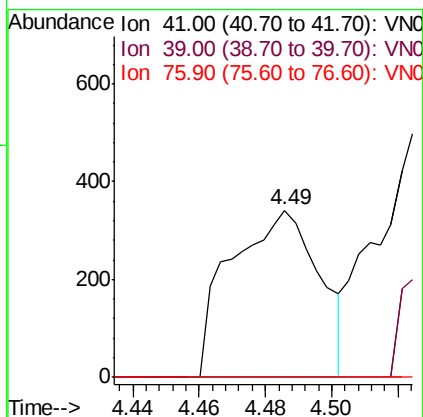
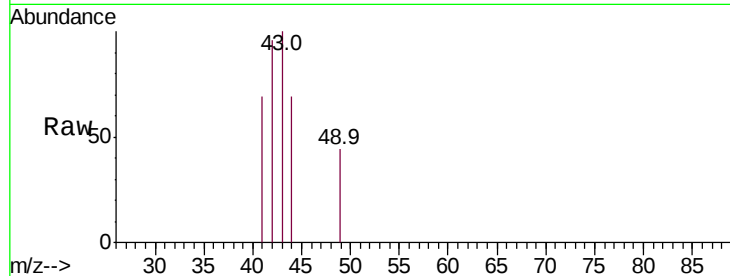




#14
Allvl chloride
Concen: 0.231 ug/l
RT: 4.49 min Scan# 854
Delta R.T. 0.21 min
Lab File: VN064819.D
Acq: 24 Nov 2020 18:40

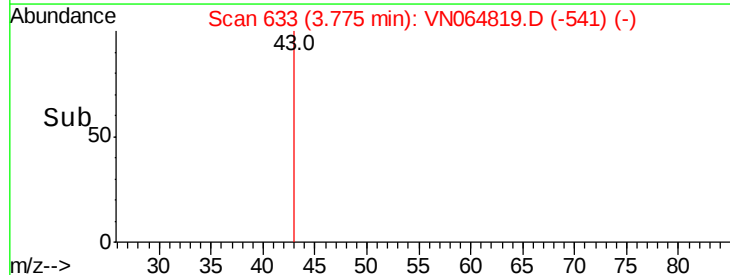
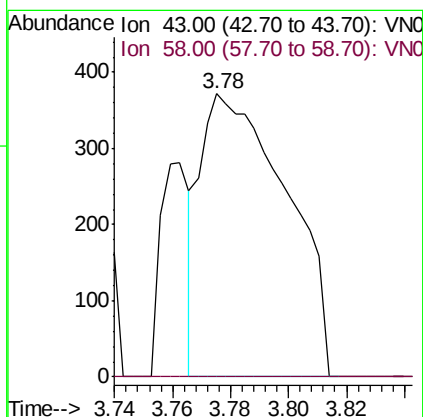
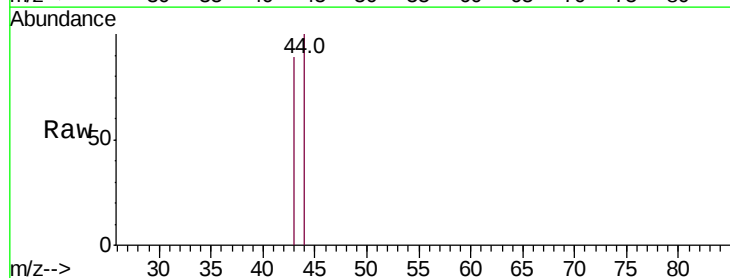
Instrument :
MSVOA_N
ClientSampled :
MW-3DL

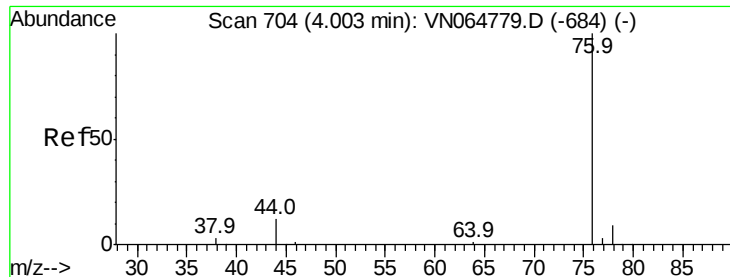
Tot Ion: 41 Resp: 632
Ion Ratio Lower Upper
41 100
39 0.0 50.9 76.3#
76 0.0 29.0 43.4#



#16
Acetone
Concen: 1.166 ug/l
RT: 3.78 min Scan# 633
Delta R.T. -0.00 min
Lab File: VN064819.D
Acq: 24 Nov 2020 18:40

Tgt Ion: 43 Resp: 764
Ion Ratio Lower Upper
43 100
58 0.0 25.7 38.5#

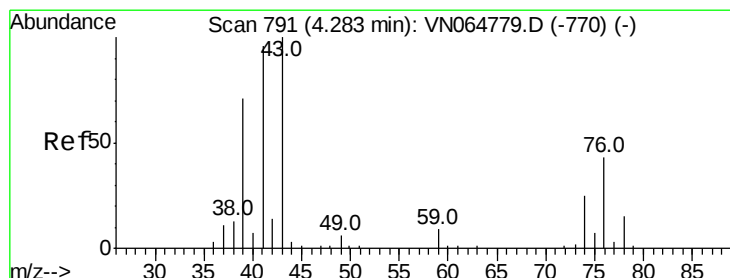
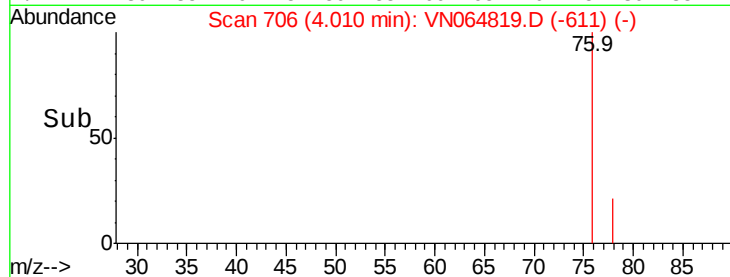
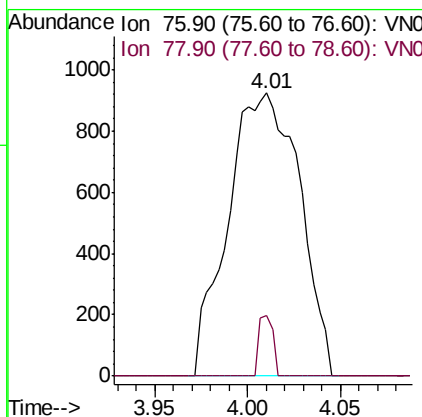
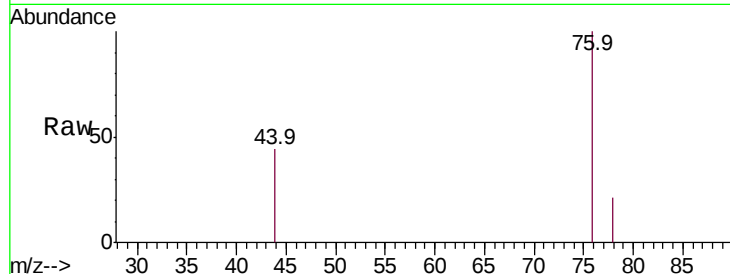




#17
Carbon Disulfide
Concen: 0.585 ug/l
RT: 4.01 min Scan# 706
Delta R.T. 0.01 min
Lab File: VN064819.D
Acq: 24 Nov 2020 18:40

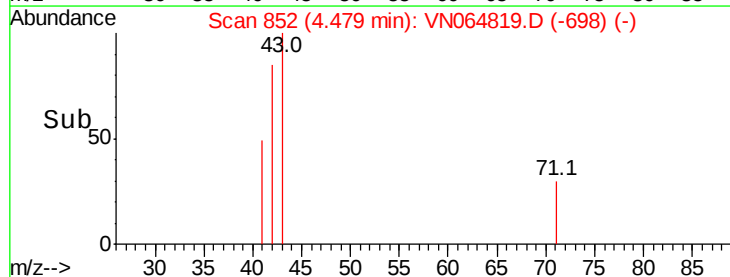
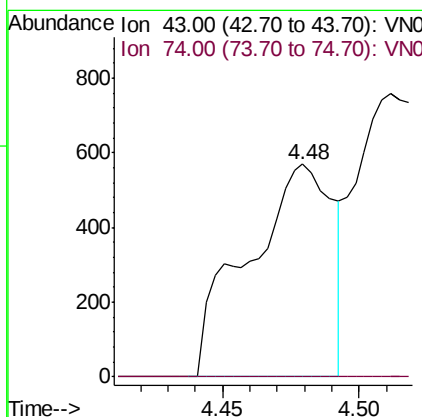
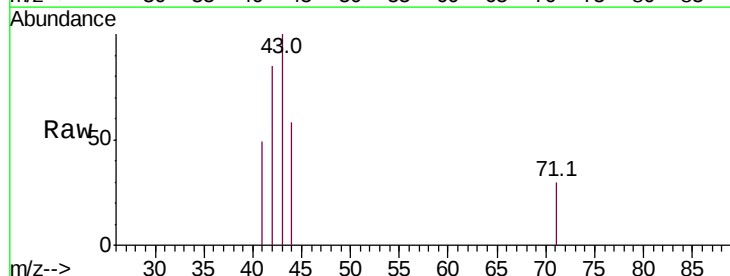
Instrument :
MSVOA_N
ClientSampled :
MW-3DL

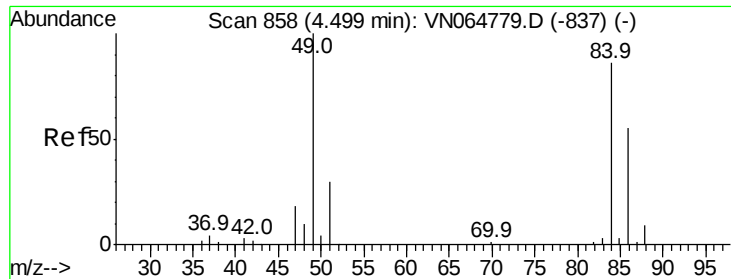
Tot Ion: 76 Resp: 2490
Ion Ratio Lower Upper
76 100
78 21.2 7.4 11.0#



#18
Methyl Acetate
Concen: 0.625 ug/l
RT: 4.48 min Scan# 852
Delta R.T. 0.20 min
Lab File: VN064819.D
Acq: 24 Nov 2020 18:40

Tgt Ion: 43 Resp: 1231
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.2#





#20

Methvlene Chloride

Concen: 0.285 ug/l

RT: 4.52 min Scan# 864

Delta R.T. 0.02 min

Lab File: VN064819.D

Acq: 24 Nov 2020 18:40

Instrument :

MSVOA_N

ClientSampled :

MW-3DL

Tot Ion: 84 Resp: 584

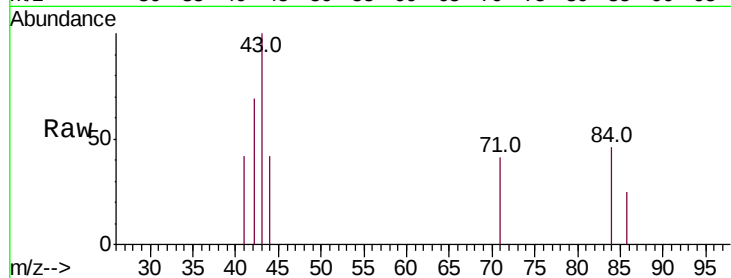
Ion Ratio Lower Upper

84 100

49 0.0 93.4 140.0#

51 0.0 28.2 42.4#

86 54.9 51.7 77.5

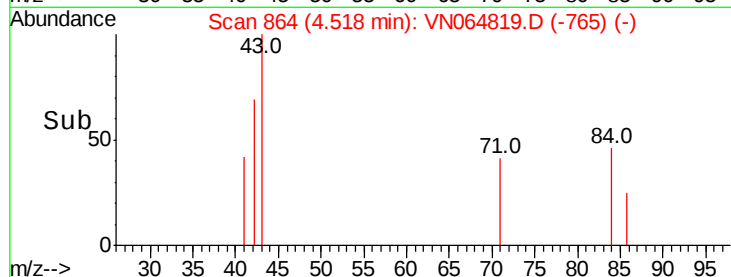


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0

Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0

Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0

Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0

Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0

Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0

Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0

Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0

Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0

Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0

Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0

Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0

Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

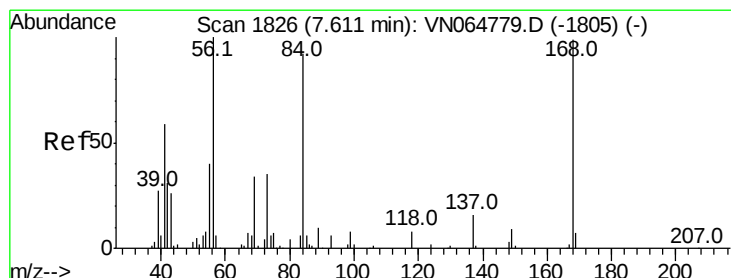
Ion 85.90 (85.60 to 86.60): VN0

Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#31

Cyclohexane

Concen: 2.247 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. 0.01 min

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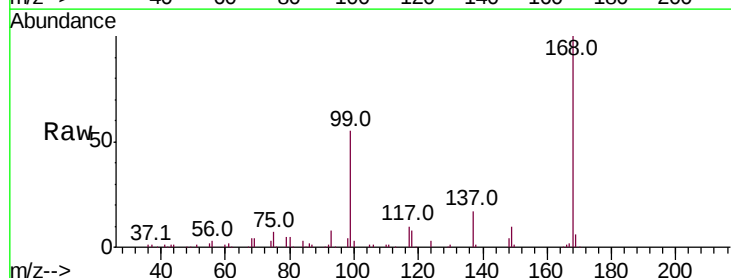
Tgt Ion: 56 Resp: 6241

Ion Ratio Lower Upper

56 100

69 129.1 27.5 41.3#

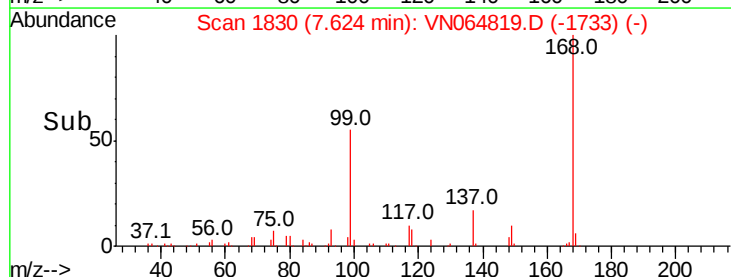
84 110.0 73.9 110.9



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

Abundance Ion 56.00 (55.70 to 56.70): VN0

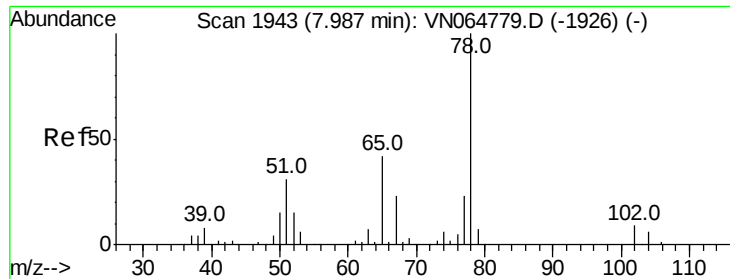
Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

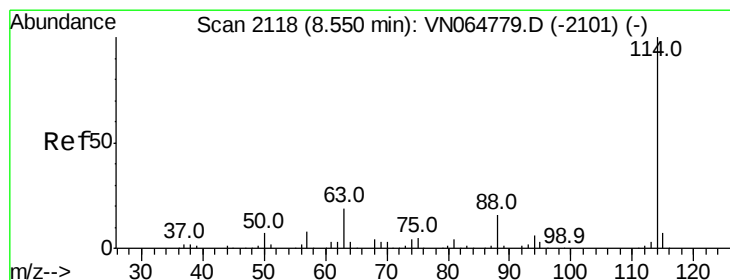
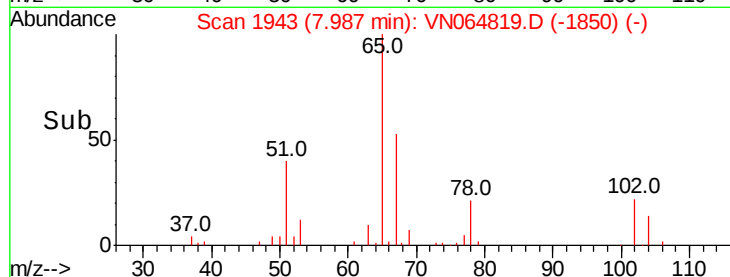
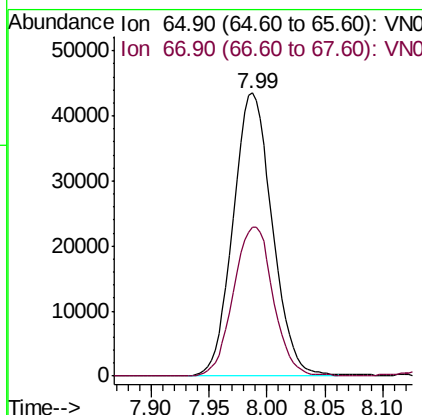
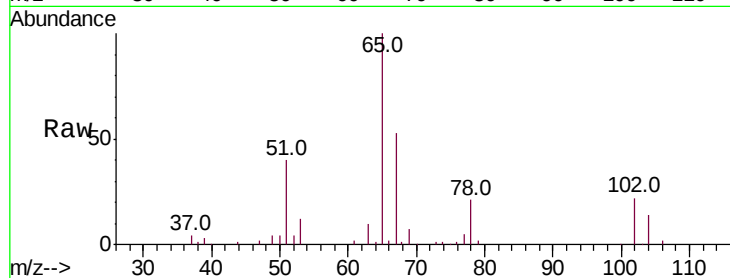
Ion 84.00 (83.70 to 84.70): VN0



#33
 1,2-Dichloroethane-d4
 Concen: 51.215 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
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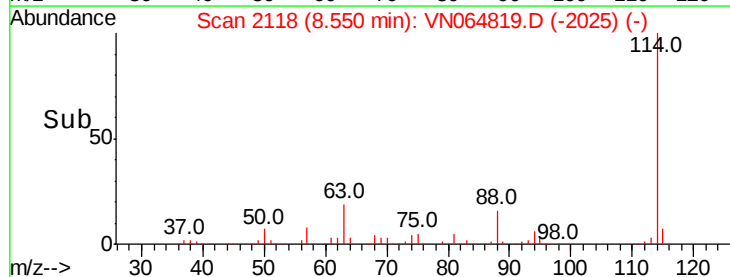
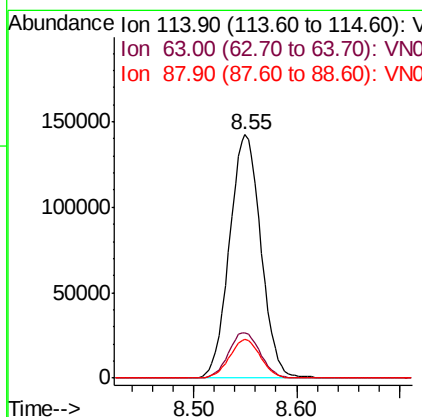
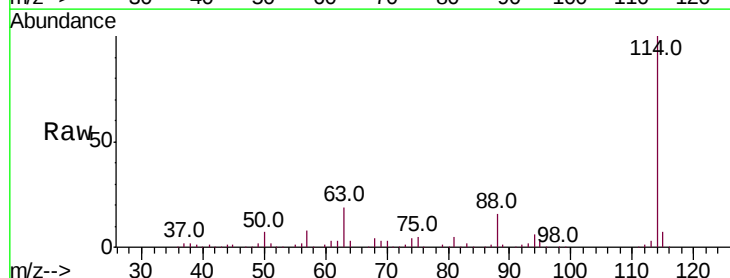
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3DL

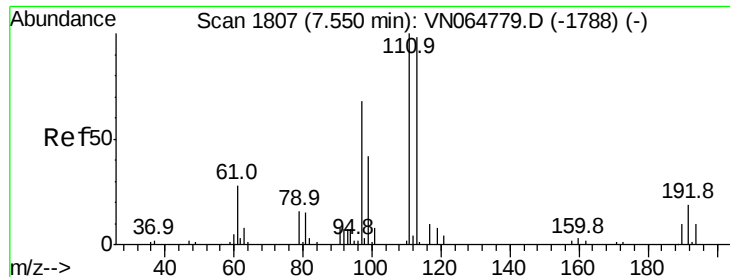
Tot Ion: 65 Resp: 102045
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 108.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064819.D
 Acq: 24 Nov 2020 18:40

Tgt Ion: 114 Resp: 302832
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 38.6
 88 15.8 0.0 32.6

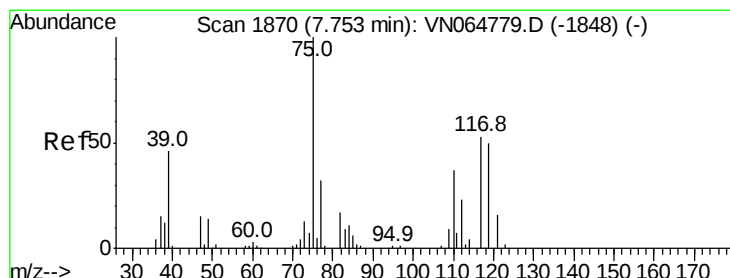
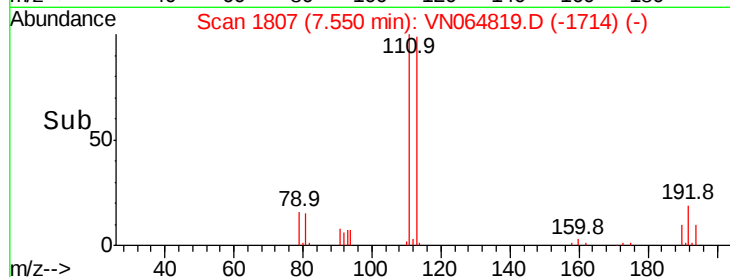
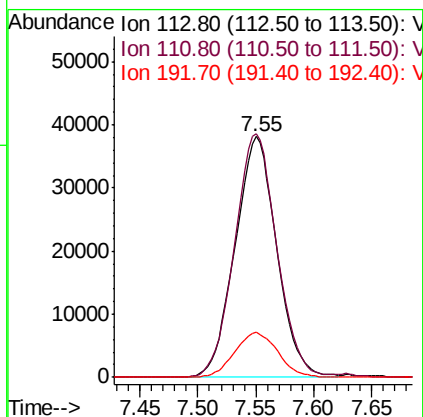
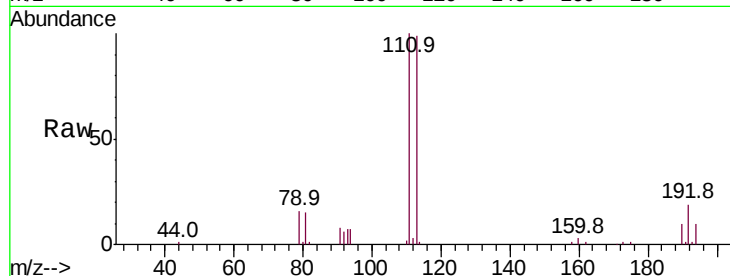




#35
 Dibromofluoromethane
 Concen: 52.558 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064819.D
 Acq: 24 Nov 2020 18:40

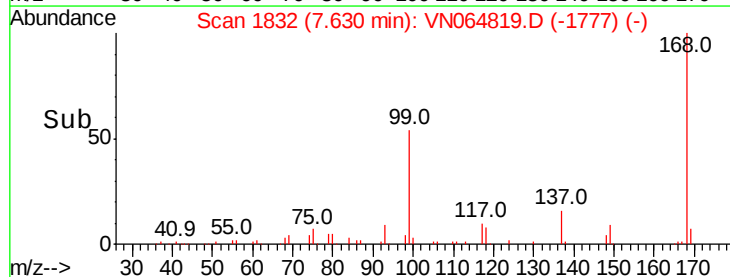
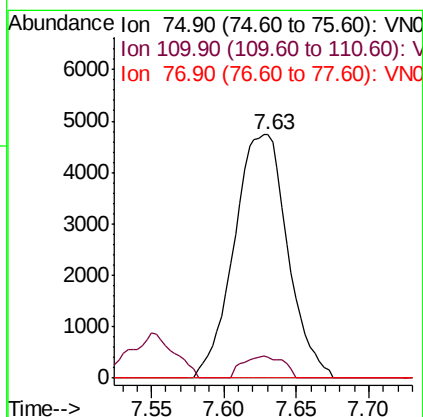
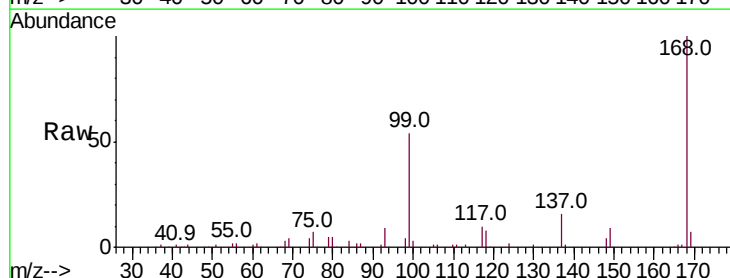
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3DL

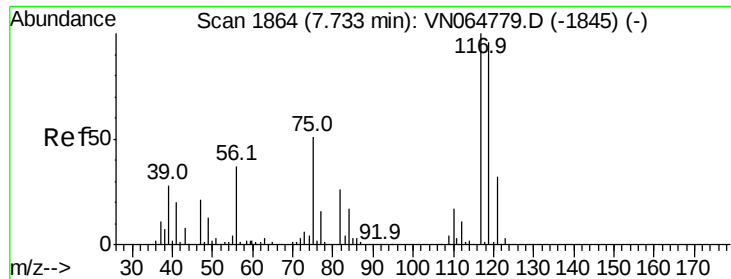
Tot Ion:113 Resp: 95237
 Ion Ratio Lower Upper
 113 100
 111 102.2 81.6 122.4
 192 19.4 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 4.330 ug/l
 RT: 7.63 min Scan# 1832
 Delta R.T. -0.12 min
 Lab File: VN064819.D
 Acq: 24 Nov 2020 18:40

Tgt Ion: 75 Resp: 12154
 Ion Ratio Lower Upper
 75 100
 110 6.8 17.8 53.3#
 77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.664 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN064819.D

Acq: 24 Nov 2020 18:40

Instrument :

MSVOA_N

ClientSampleId :

MW-3DL

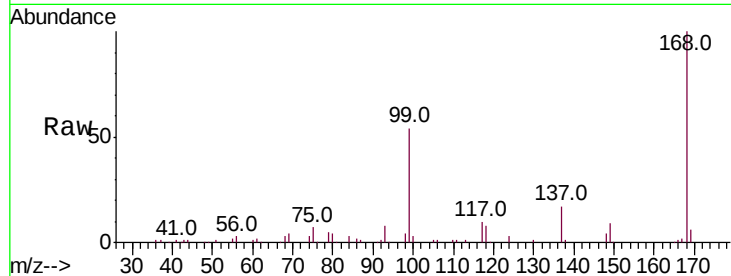
Tot Ion:117 Resp: 16542

Ion Ratio Lower Upper

117 100

119 4.5 76.7 115.1#

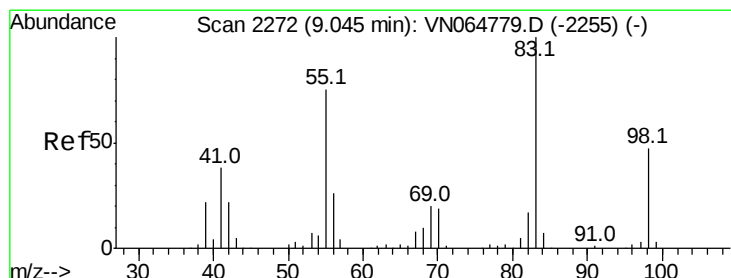
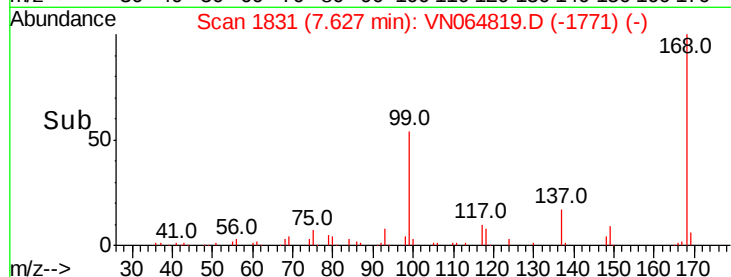
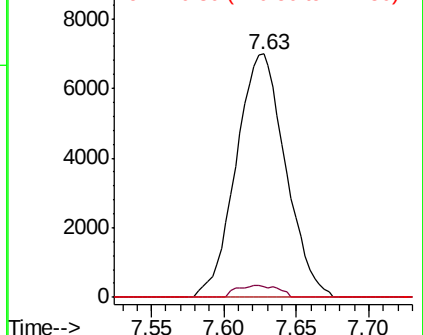
121 0.0 25.4 38.2#



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: 1.300 ug/l

RT: 9.05 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN064819.D

Acq: 24 Nov 2020 18:40

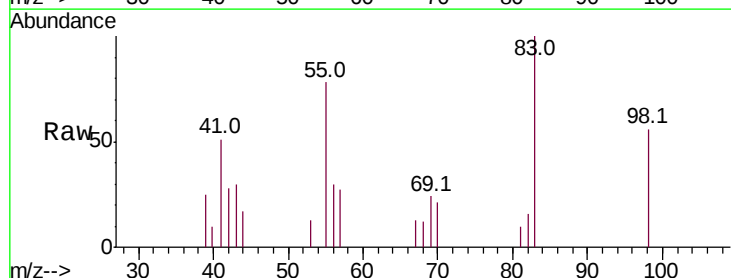
Tgt Ion: 83 Resp: 3928

Ion Ratio Lower Upper

83 100

55 77.7 60.2 90.2

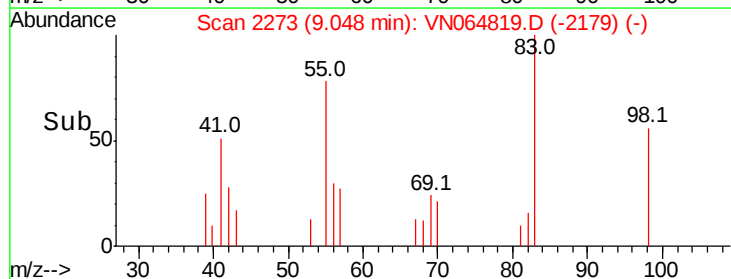
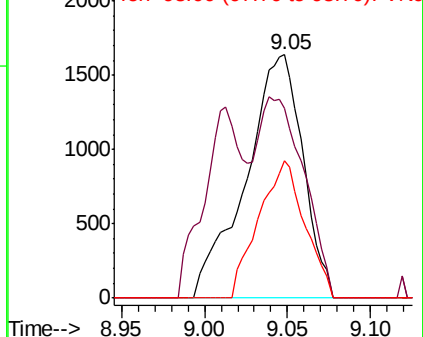
98 56.2 37.4 56.2#

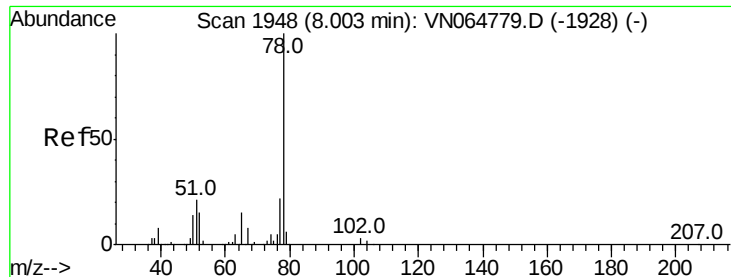


Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0





#40

Benzene

Concen: 4.158 ug/l

RT: 8.00 min Scan# 1947

Delta R.T. -0.00 min

Lab File: VN064819.D

Acq: 24 Nov 2020 18:40

Instrument :

MSVOA_N

ClientSampled :

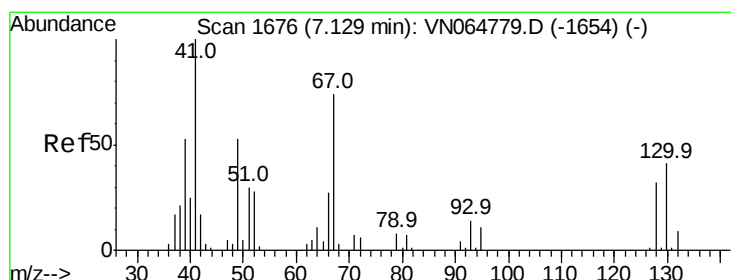
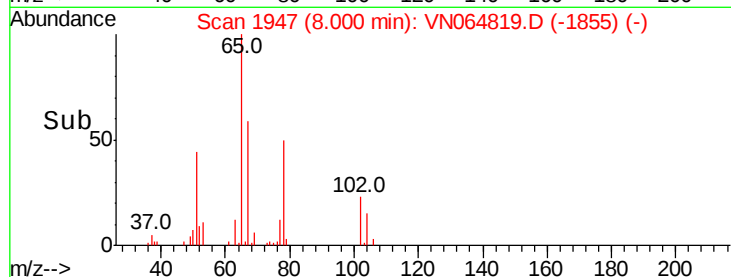
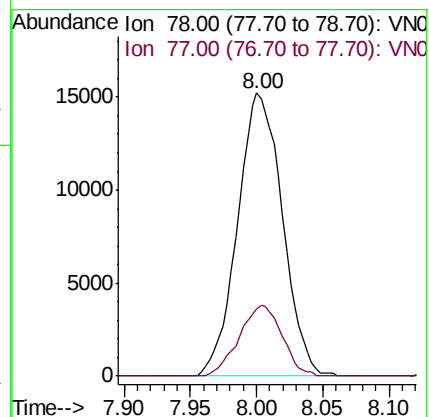
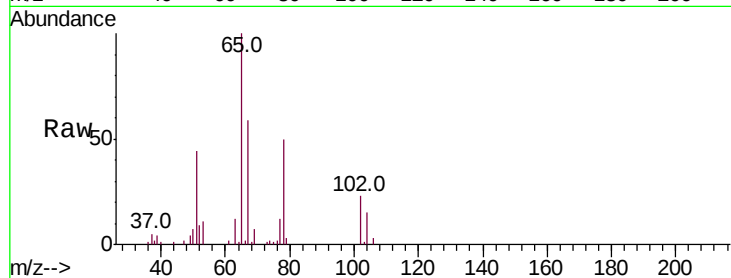
MW-3DL

Tot Ion: 78 Resp: 35766

Ion Ratio Lower Upper

78 100

77 23.9 17.9 26.9



#41

Methacrylonitrile

Concen: 0.280 ug/l

RT: 7.33 min Scan# 1740

Delta R.T. 0.21 min

Lab File: VN064819.D

Acq: 24 Nov 2020 18:40

Tgt Ion: 41 Resp: 349

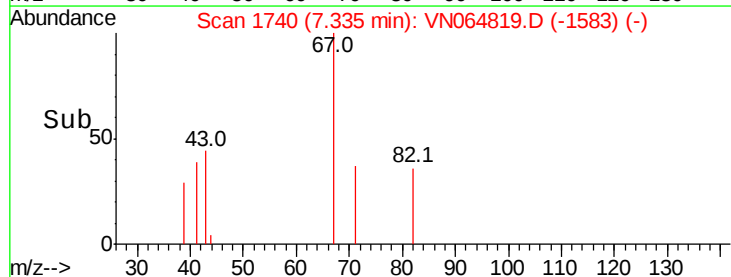
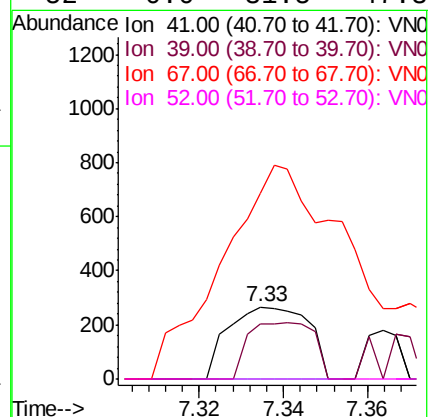
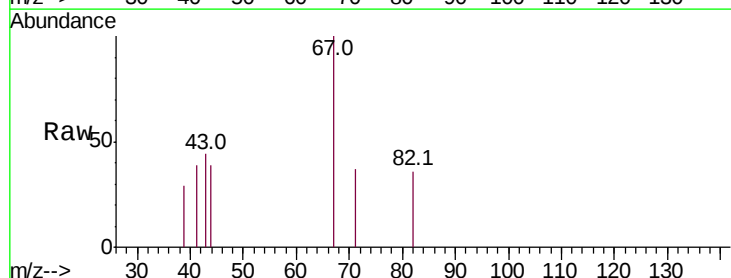
Ion Ratio Lower Upper

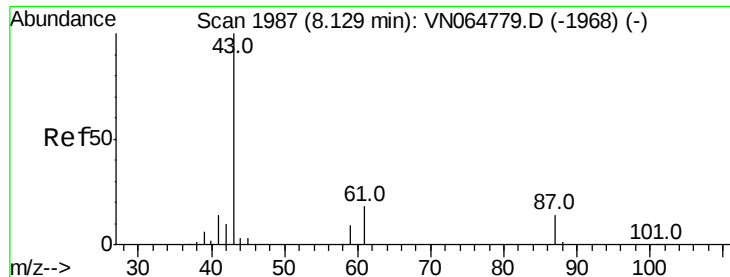
41 100

39 64.2 51.0 76.6

67 505.2 79.8 119.8#

52 0.0 31.5 47.3#





#43

Isopropyl Acetate

Concen: 0.346 ug/l

RT: 8.11 min Scan# 1982

Delta R.T. -0.02 min

Lab File: VN064819.D

Acq: 24 Nov 2020 18:40

Instrument :

MSVOA_N

ClientSampled :

MW-3DL

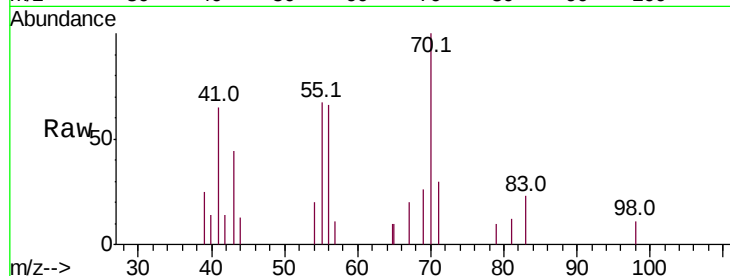
Tot Ion: 43 Resp: 1507

Ion Ratio Lower Upper

43 100

61 0.0 17.2 25.8#

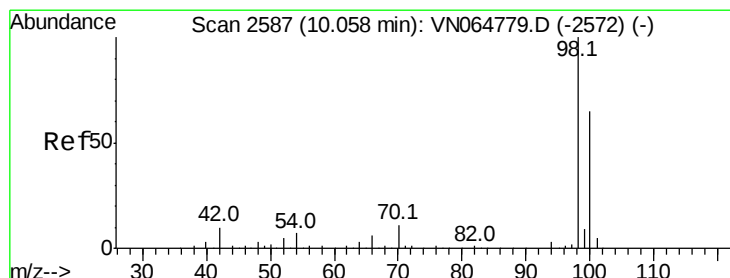
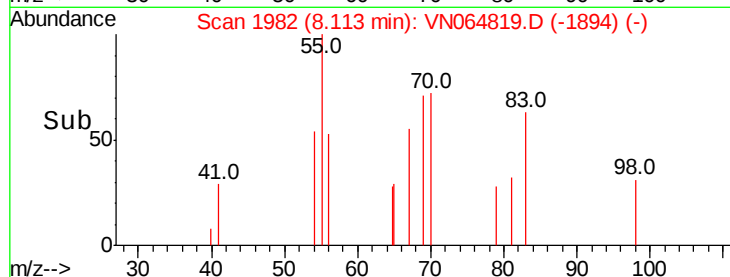
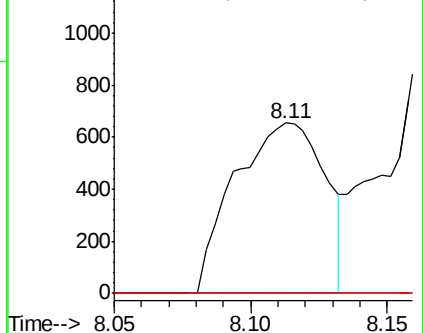
87 0.0 11.4 17.0#



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



#50

Toluene-d8

Concen: 51.386 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064819.D

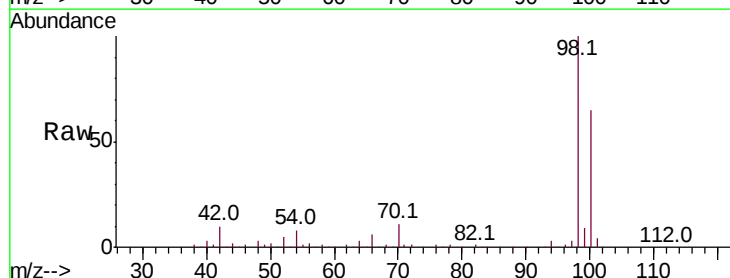
Acq: 24 Nov 2020 18:40

Tgt Ion: 98 Resp: 380454

Ion Ratio Lower Upper

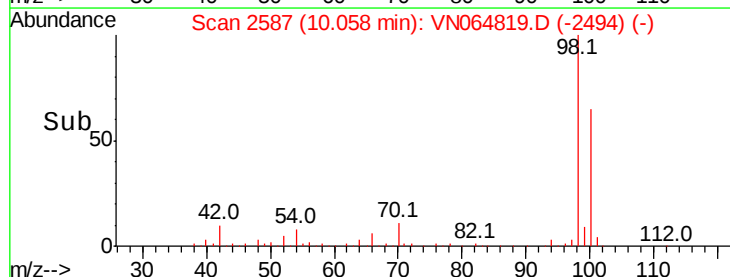
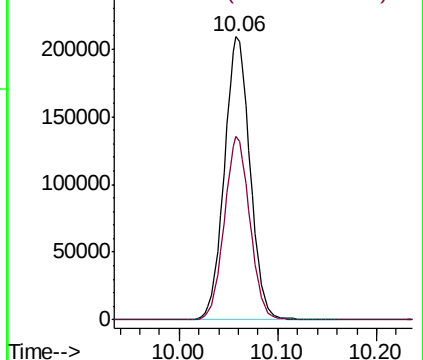
98 100

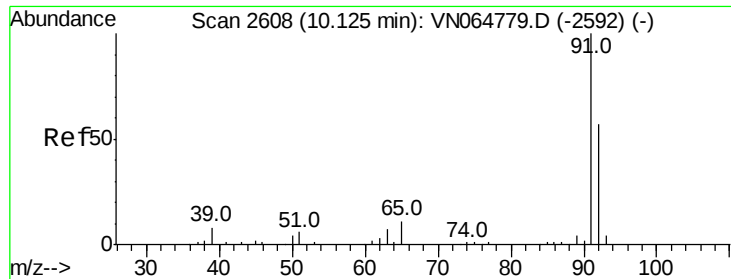
100 64.5 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#52

Toluene

Concen: 1.486 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN064819.D

Acq: 24 Nov 2020 18:40

Instrument :

MSVOA_N

ClientSampleId :

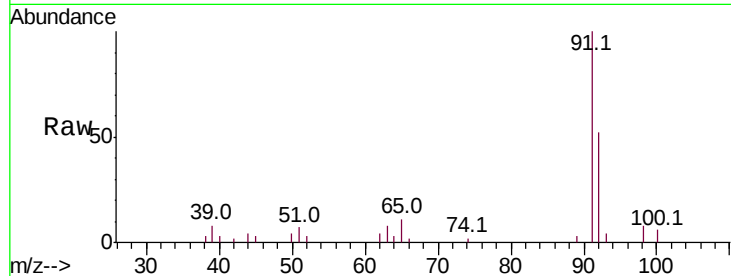
MW-3DL

Tot Ion: 92 Resp: 7870

Ion Ratio Lower Upper

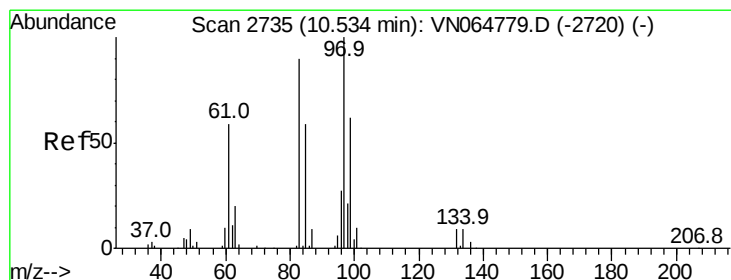
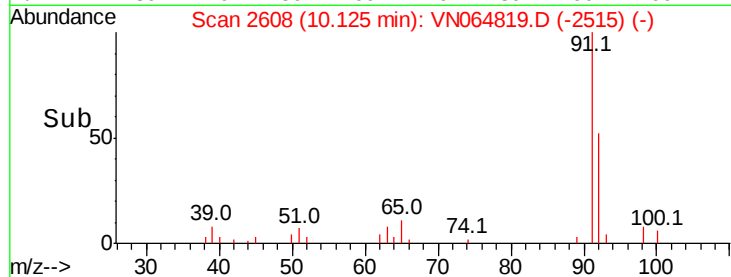
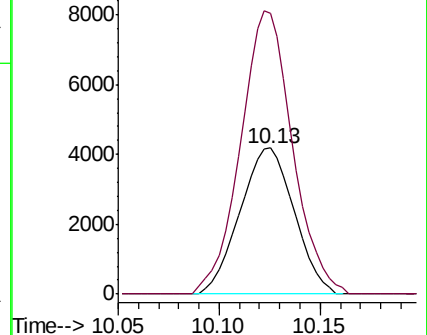
92 100

91 185.3 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VN064819.D (-2515) (-)

Ion 91.00 (90.70 to 91.70): VN064819.D (-2515) (-)



#55

1,1,2-Trichloroethane

Concen: 1.455 ug/l

RT: 10.50 min Scan# 2724

Delta R.T. -0.04 min

Lab File: VN064819.D

Acq: 24 Nov 2020 18:40

Tgt Ion: 97 Resp: 3169

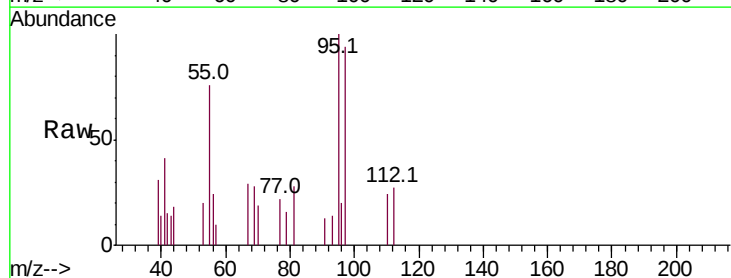
Ion Ratio Lower Upper

97 100

83 0.0 72.1 108.1#

85 0.0 46.8 70.2#

99 0.0 49.6 74.4#

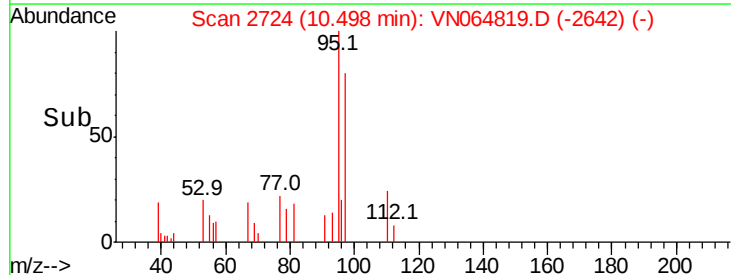
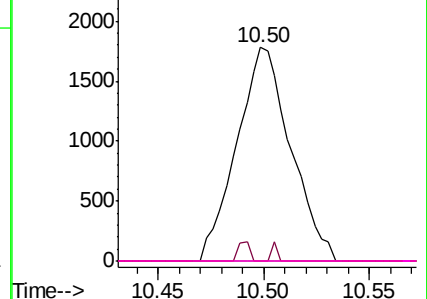


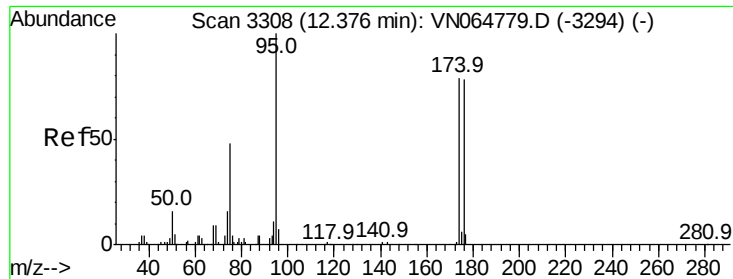
Abundance Ion 96.90 (96.60 to 97.60): VN064819.D (-2642) (-)

Ion 82.90 (82.60 to 83.60): VN064819.D (-2642) (-)

Ion 84.90 (84.60 to 85.60): VN064819.D (-2642) (-)

Ion 98.90 (98.60 to 99.60): VN064819.D (-2642) (-)





#62

4-Bromofluorobenzene

Concen: 58.820 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064819.D

Acq: 24 Nov 2020 18:40

Instrument :

MSVOA_N

ClientSampleId :

MW-3DL

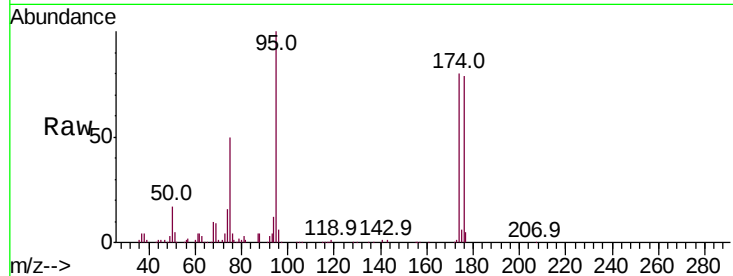
Tot Ion: 95 Resp: 155856

Ion Ratio Lower Upper

95 100

174 79.9 0.0 160.4

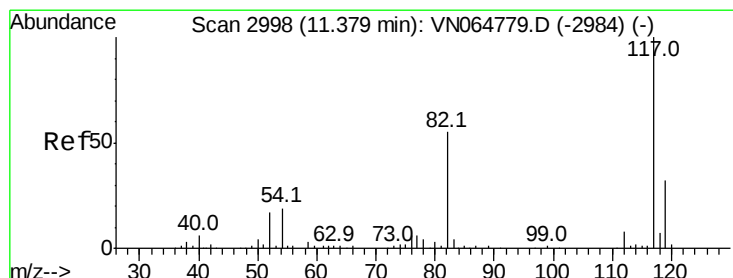
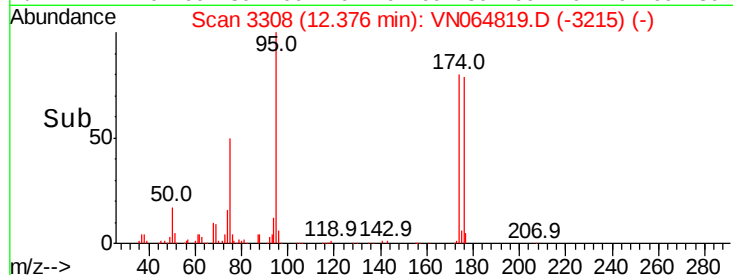
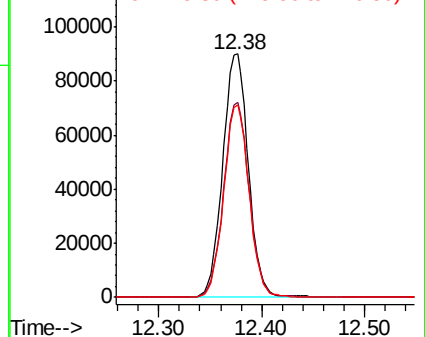
176 78.0 0.0 158.4



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. 0.00 min

Lab File: VN064819.D

Acq: 24 Nov 2020 18:40

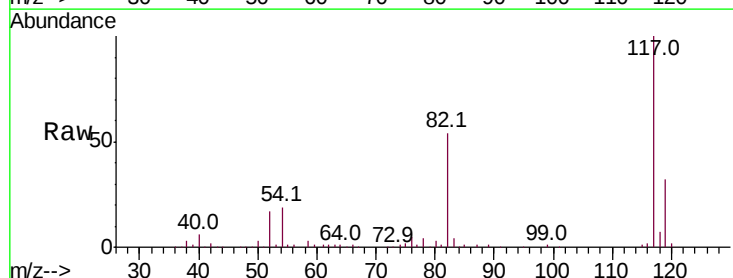
Tgt Ion: 117 Resp: 314836

Ion Ratio Lower Upper

117 100

82 53.9 44.2 66.2

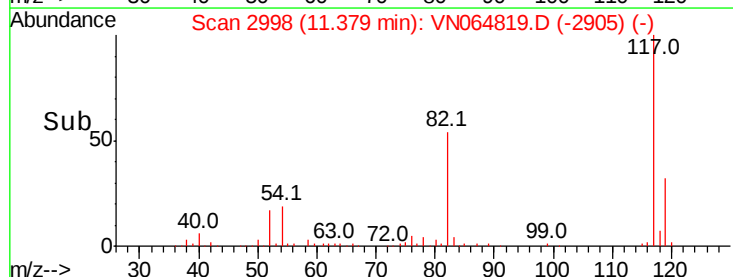
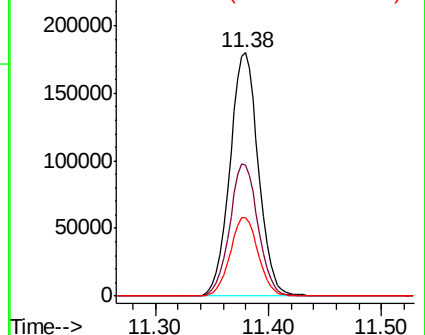
119 32.4 25.8 38.6

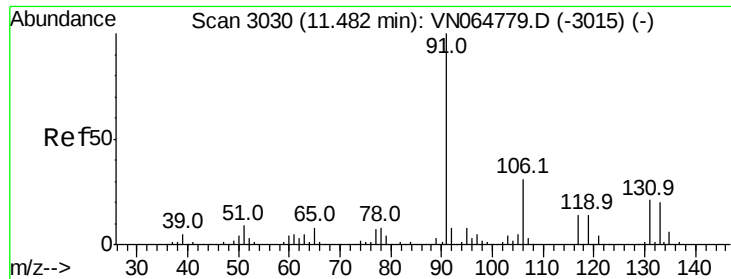


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0

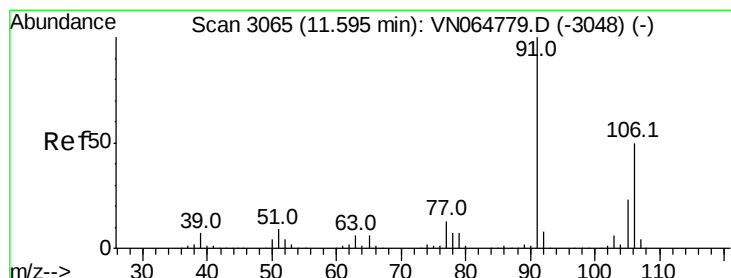
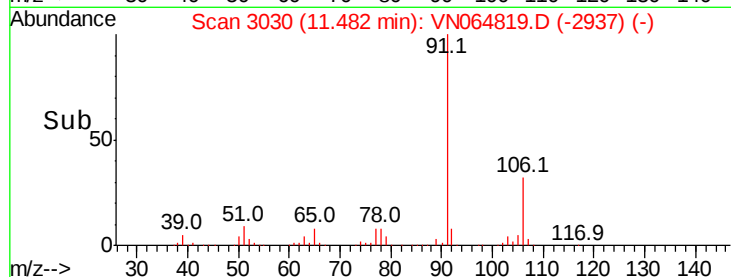
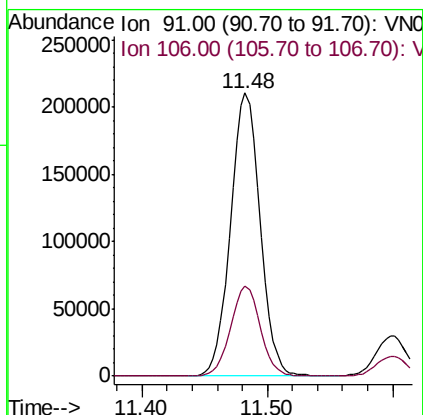
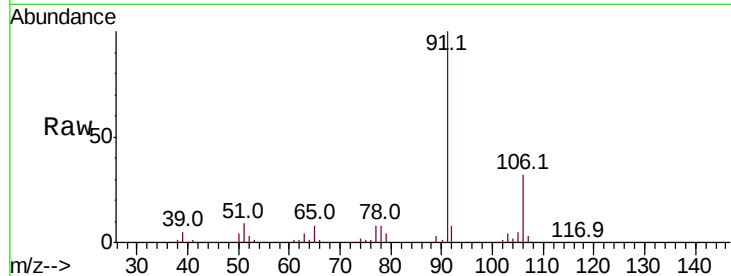




#67
Ethyl Benzene
Concen: 30.540 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064819.D
Acq: 24 Nov 2020 18:40

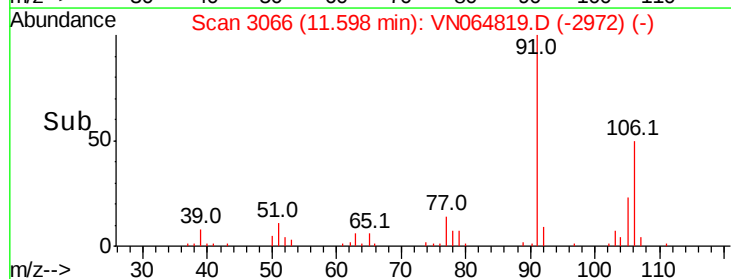
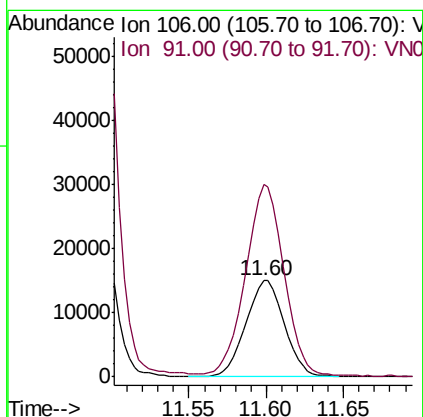
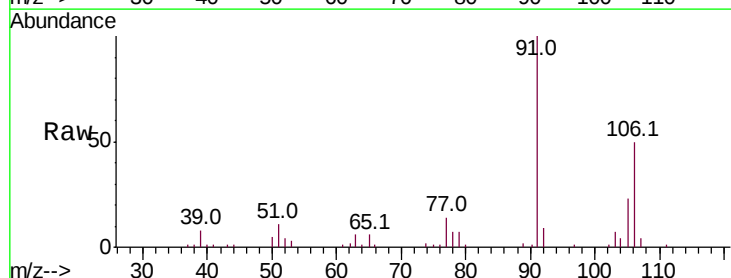
Instrument :
MSVOA_N
ClientSampled :
MW-3DL

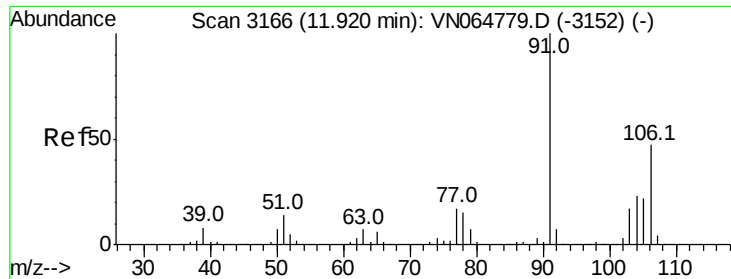
Tot Ion: 91 Resp: 344937
Ion Ratio Lower Upper
91 100
106 31.7 25.2 37.8



#68
m/p-Xylenes
Concen: 6.141 ug/l
RT: 11.60 min Scan# 3066
Delta R.T. 0.00 min
Lab File: VN064819.D
Acq: 24 Nov 2020 18:40

Tgt Ion: 106 Resp: 26260
Ion Ratio Lower Upper
106 100
91 201.4 161.0 241.4

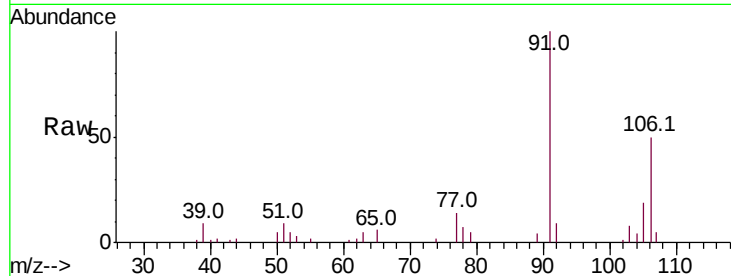




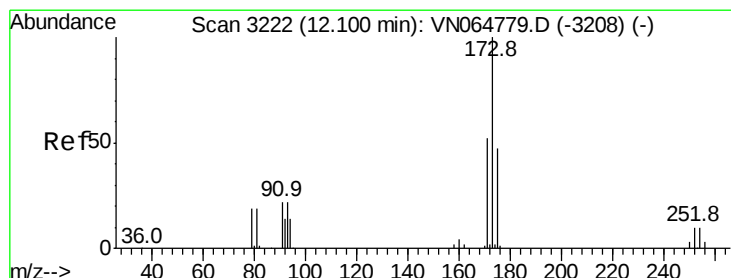
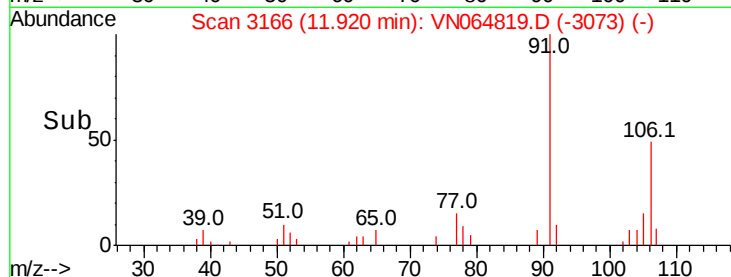
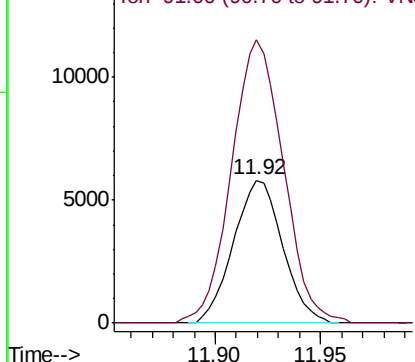
#69
o-Xylene
Concen: 2.323 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN064819.D
Acq: 24 Nov 2020 18:40

Instrument :
MSVOA_N
ClientSampled :
MW-3DL

Tot Ion:106 Resp: 9427
Ion Ratio Lower Upper
106 100
91 209.1 105.5 316.5

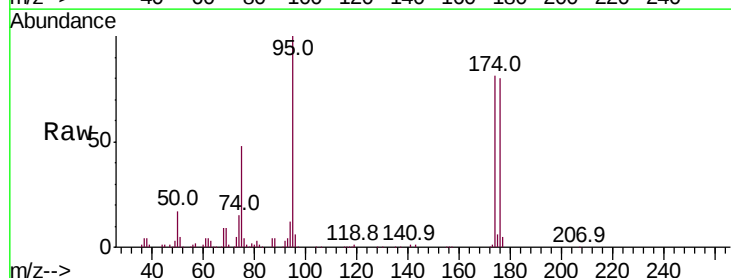


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

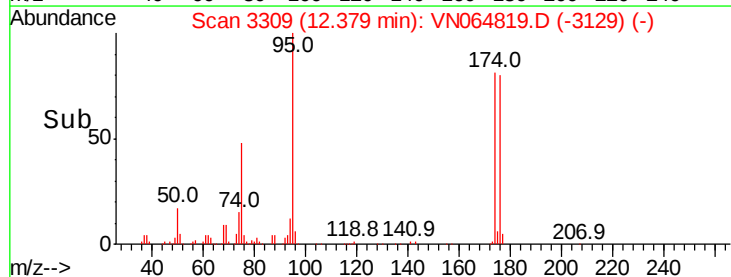
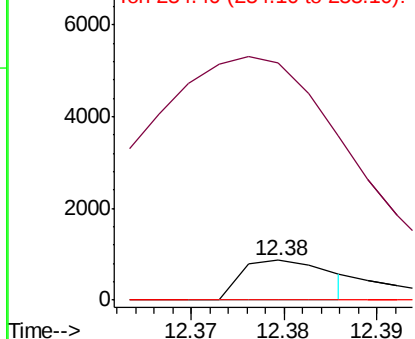


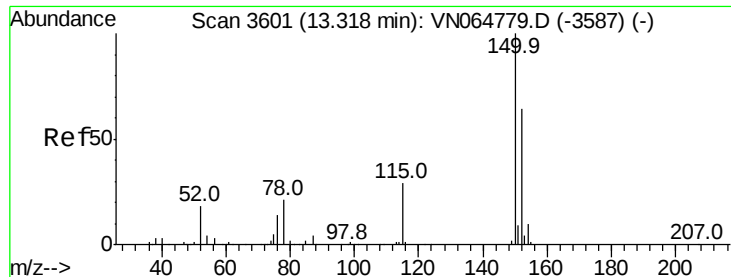
#71
Bromoform
Concen: 0.292 ug/l
RT: 12.38 min Scan# 3309
Delta R.T. 0.28 min
Lab File: VN064819.D
Acq: 24 Nov 2020 18:40

Tgt Ion:173 Resp: 579
Ion Ratio Lower Upper
173 100
175 1368.9 24.3 72.8#
254 0.0 0.0 0.0



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: 13.32 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN064819.D

Acq: 24 Nov 2020 18:40

Instrument :

MSVOA_N

ClientSampleId :

MW-3DL

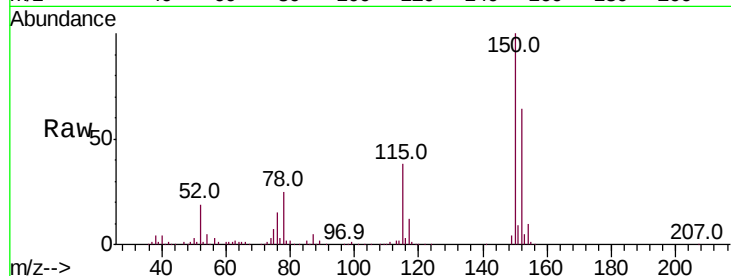
Tot Ion:152 Resp: 152512

Ion Ratio Lower Upper

152 100

115 62.4 29.7 89.1

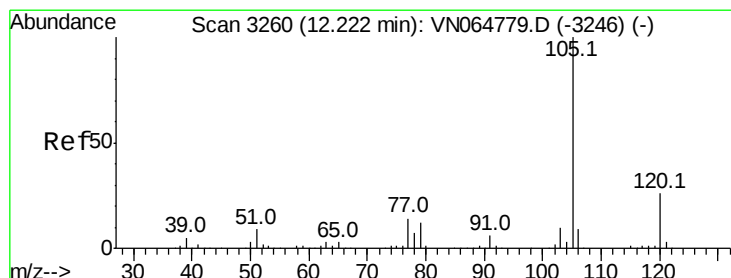
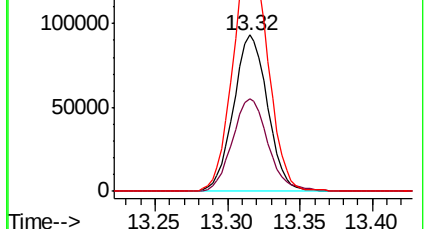
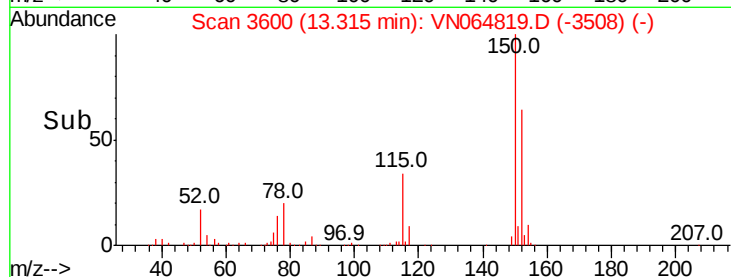
150 156.4 0.0 350.6



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: 1.452 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN064819.D

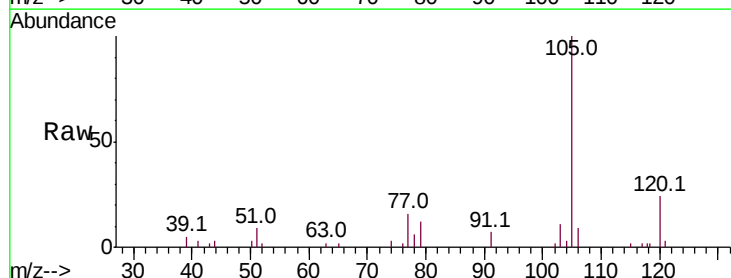
Acq: 24 Nov 2020 18:40

Tgt Ion:105 Resp: 15398

Ion Ratio Lower Upper

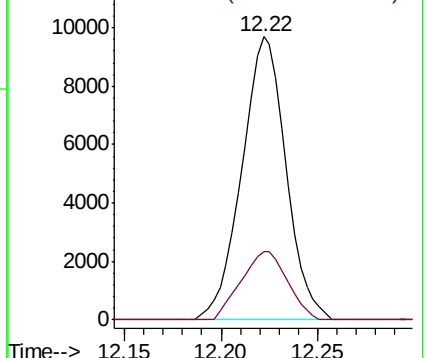
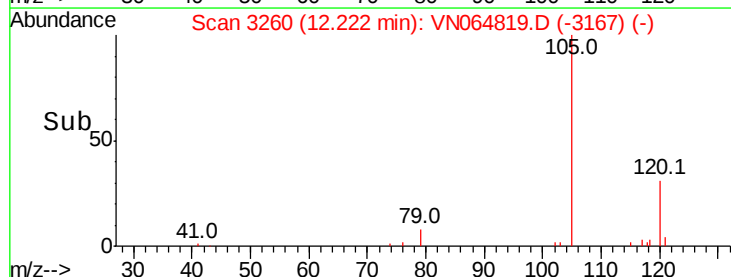
105 100

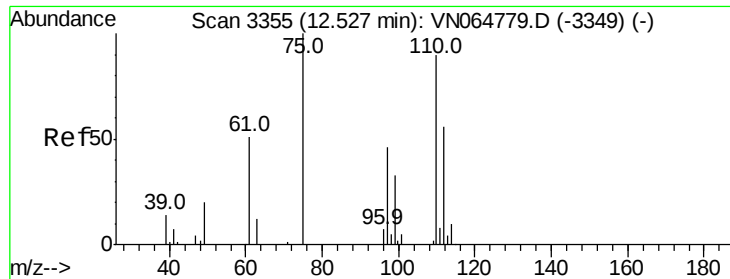
120 25.3 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#76

1,2,3-Trichloropropane

Concen: 23.038 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN064819.D

Acq: 24 Nov 2020 18:40

Instrument :

MSVOA_N

ClientSampled :

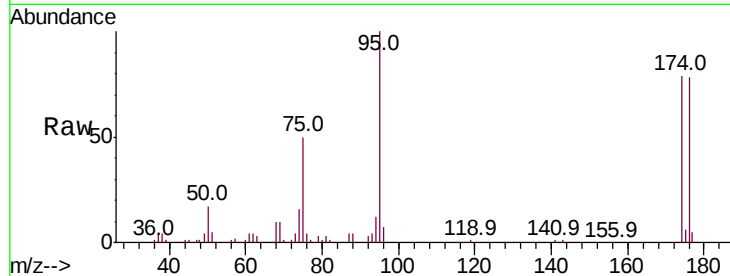
MW-3DL

Tot Ion: 75 Resp: 75666

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN064779.D (-3349) (-)

Ion 77.00 (76.70 to 77.70): VN064779.D (-3349) (-)

12.37

50000

40000

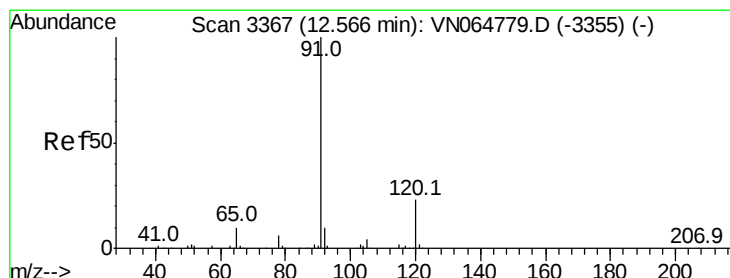
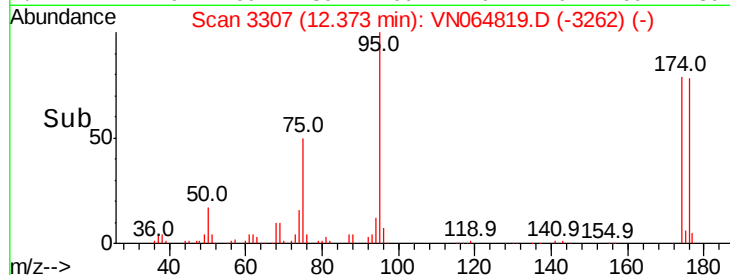
30000

20000

10000

0

Time-->



#78

n-propylbenzene

Concen: 2.964 ug/l

RT: 12.56 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN064819.D

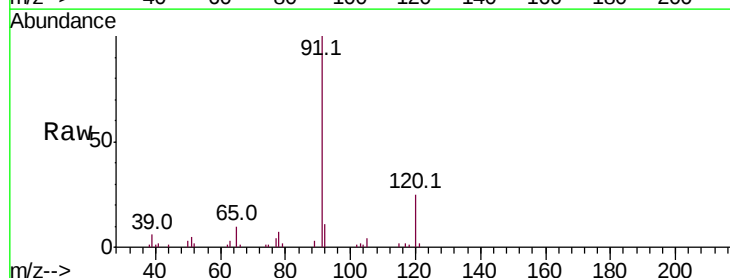
Acq: 24 Nov 2020 18:40

Tgt Ion: 91 Resp: 35815

Ion Ratio Lower Upper

91 100

120 22.8 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN064779.D (-3355) (-)

Ion 120.00 (119.70 to 120.70): VN064779.D (-3355) (-)

12.56

25000

20000

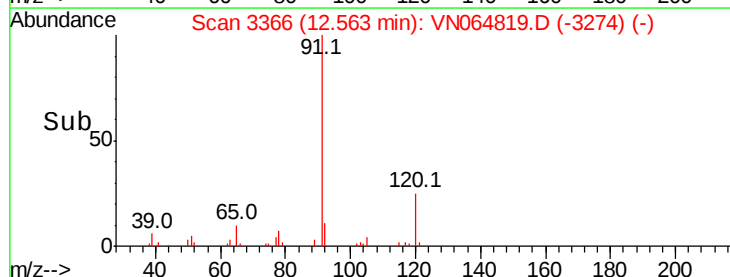
15000

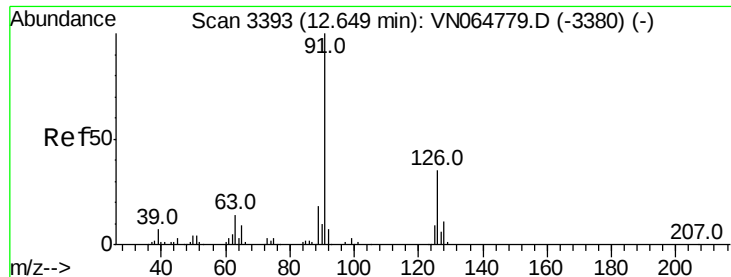
10000

5000

0

Time-->





#79

2-Chlorotoluene

Concen: 0.253 ug/l

RT: 12.66 min Scan# 3397

Delta R.T. 0.01 min

Lab File: VN064819.D

Acq: 24 Nov 2020 18:40

Instrument :

MSVOA_N

ClientSampled :

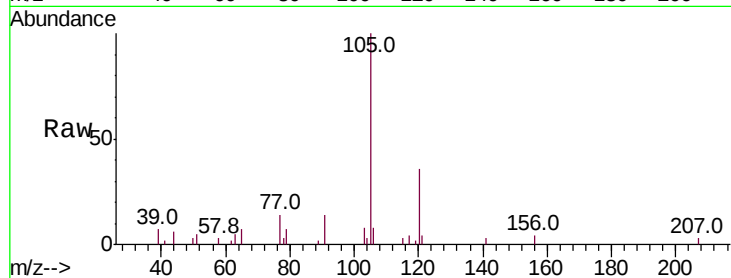
MW-3DL

Tot Ion: 91 Resp: 1889

Ion Ratio Lower Upper

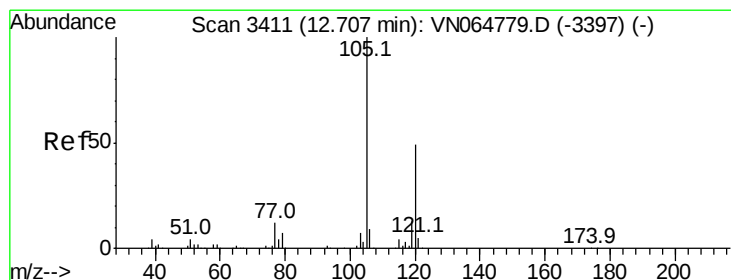
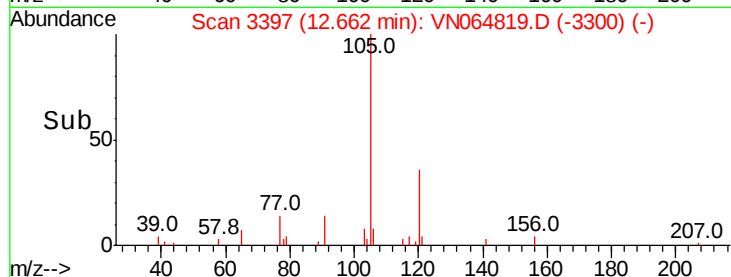
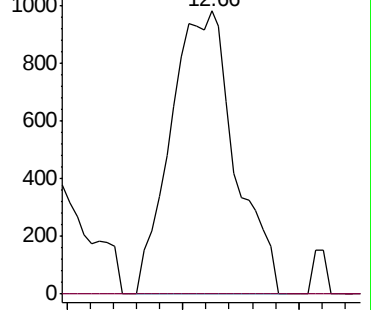
91 100

126 0.0 17.2 51.6#



Abundance Ion 91.00 (90.70 to 91.70): VN064779.D (-3380) (-)

Ion 125.90 (125.60 to 126.60): VN064779.D (-3380) (-)



#80

1,3,5-Trimethylbenzene

Concen: 1.330 ug/l

RT: 12.66 min Scan# 3397

Delta R.T. -0.04 min

Lab File: VN064819.D

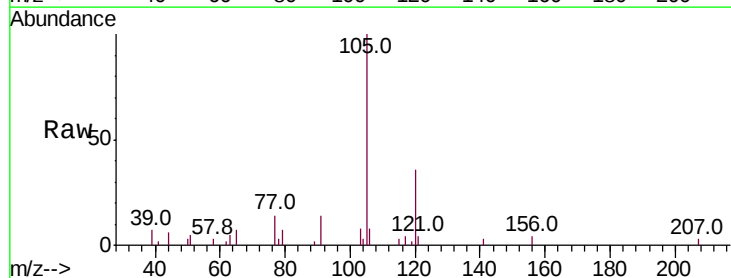
Acq: 24 Nov 2020 18:40

Tgt Ion: 105 Resp: 11730

Ion Ratio Lower Upper

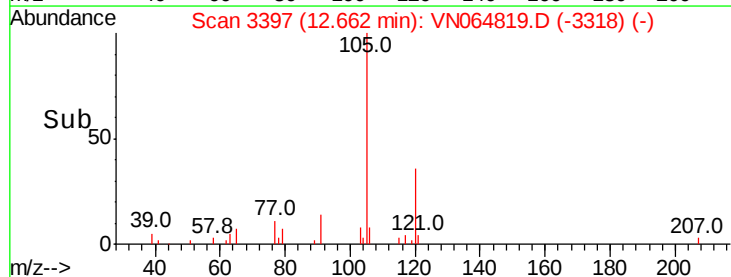
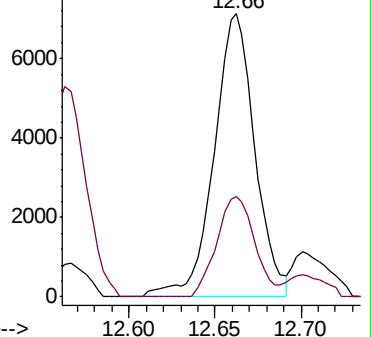
105 100

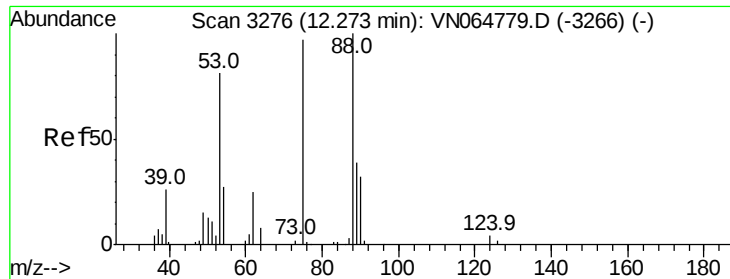
120 33.3 24.6 73.6



Abundance Ion 105.00 (104.70 to 105.70): VN064779.D (-3397) (-)

Ion 120.00 (119.70 to 120.70): VN064779.D (-3397) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 63.140 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN064819.D

Acq: 24 Nov 2020 18:40

Instrument :

MSVOA_N

ClientSampleId :

MW-3DL

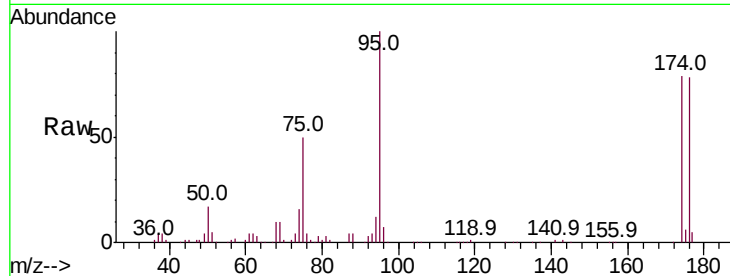
Tot Ion: 75 Resp: 75666

Ion Ratio Lower Upper

75 100

53 0.0 67.0 100.4#

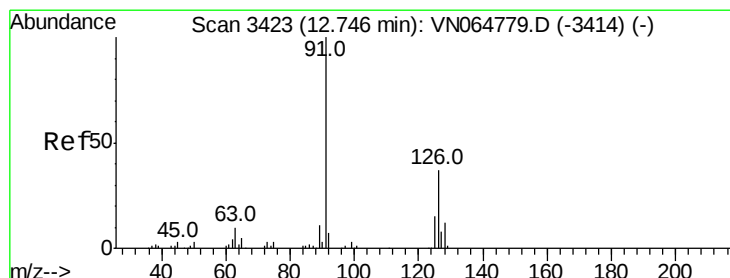
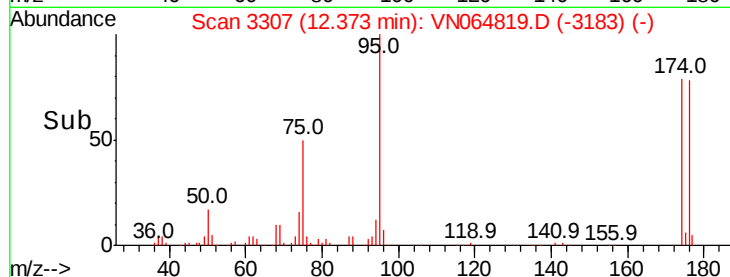
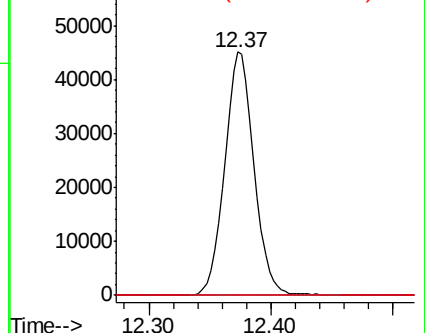
89 0.0 39.6 59.4#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 0.241 ug/l

RT: 12.66 min Scan# 3397

Delta R.T. -0.08 min

Lab File: VN064819.D

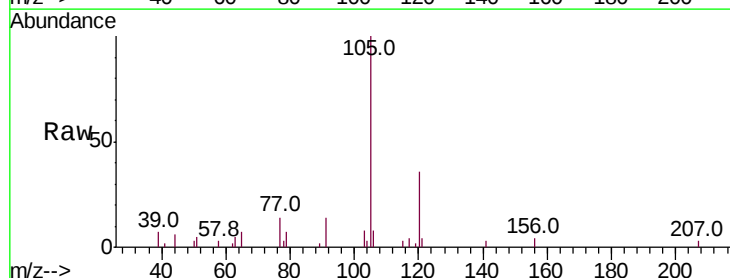
Acq: 24 Nov 2020 18:40

Tgt Ion: 91 Resp: 1889

Ion Ratio Lower Upper

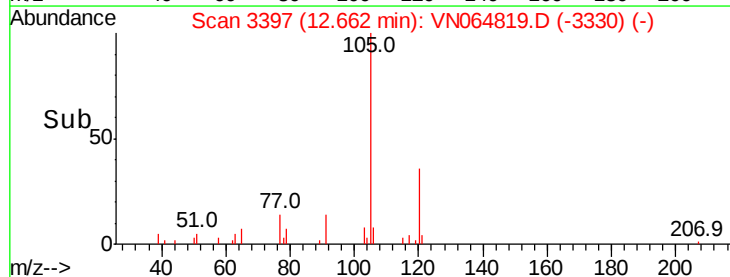
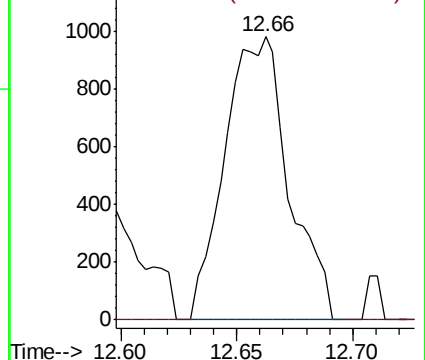
91 100

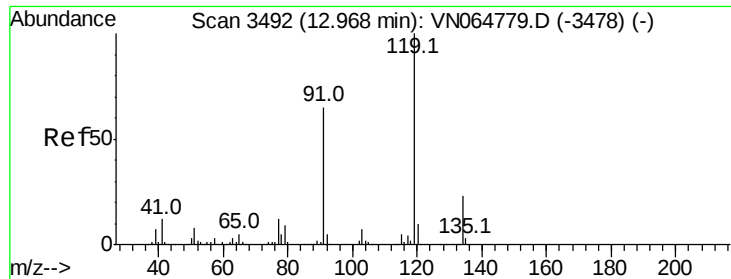
126 0.0 16.9 50.7#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 4.913 ug/l

RT: 13.01 min Scan# 3506

Delta R.T. 0.05 min

Lab File: VN064819.D

Acq: 24 Nov 2020 18:40

Instrument :

MSVOA_N

ClientSampleId :

MW-3DL

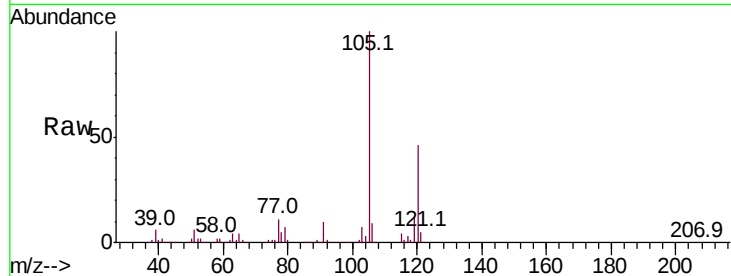
Tot Ion:119 Resp: 36313

Ion Ratio Lower Upper

119 100

91 80.4 32.3 96.8

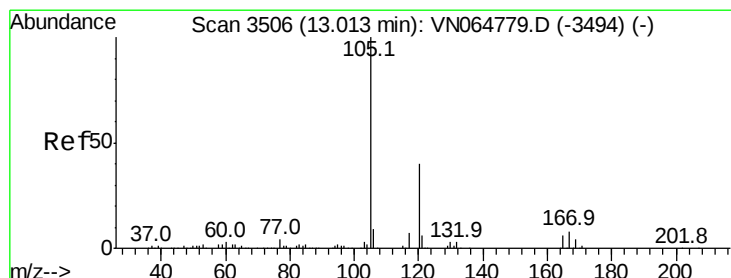
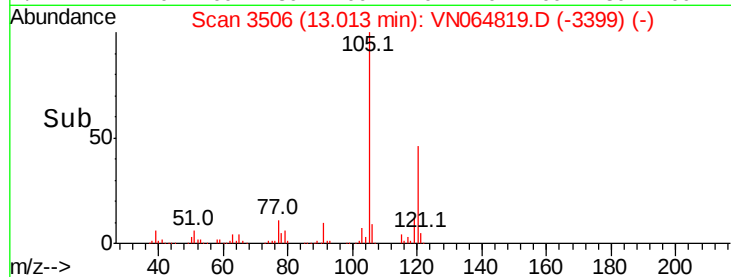
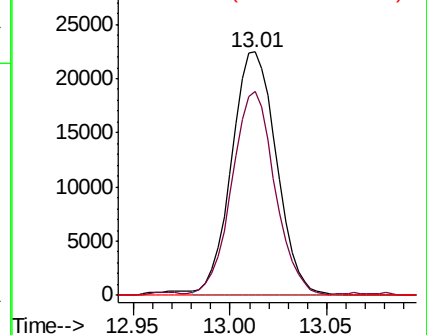
134 0.0 12.6 37.6#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 32.729 ug/l

RT: 13.01 min Scan# 3506

Delta R.T. 0.00 min

Lab File: VN064819.D

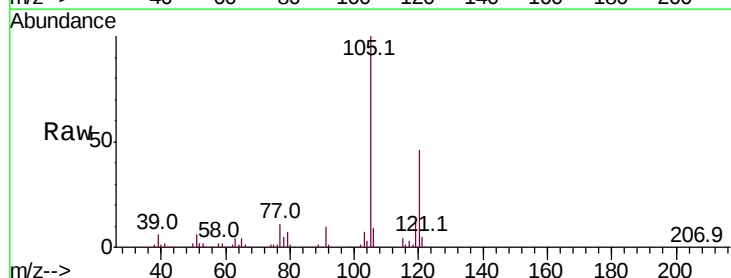
Acq: 24 Nov 2020 18:40

Tgt Ion:105 Resp: 291781

Ion Ratio Lower Upper

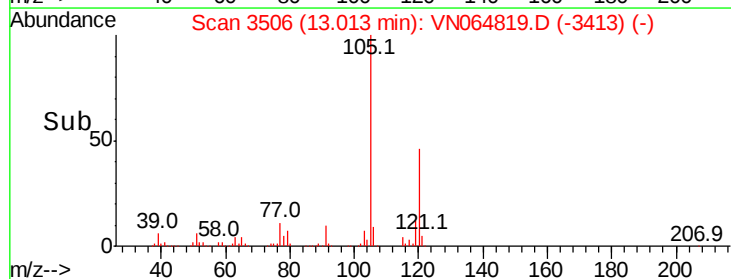
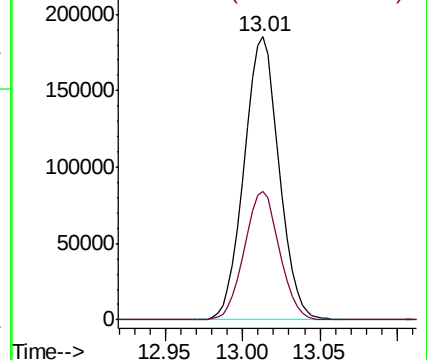
105 100

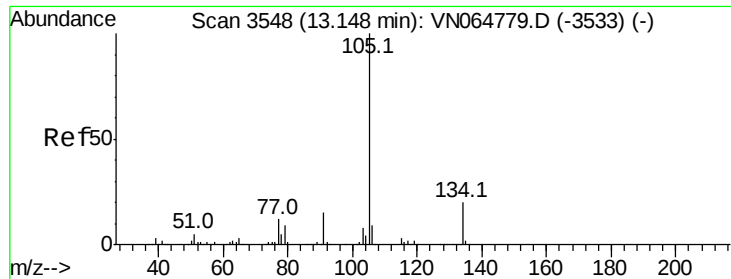
120 45.6 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 29.734 ug/l

RT: 13.01 min Scan# 3506

Delta R.T. -0.14 min

Lab File: VN064819.D

Acq: 24 Nov 2020 18:40

Instrument :

MSVOA_N

ClientSampleId :

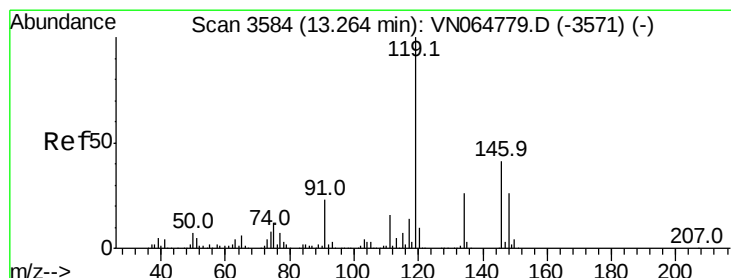
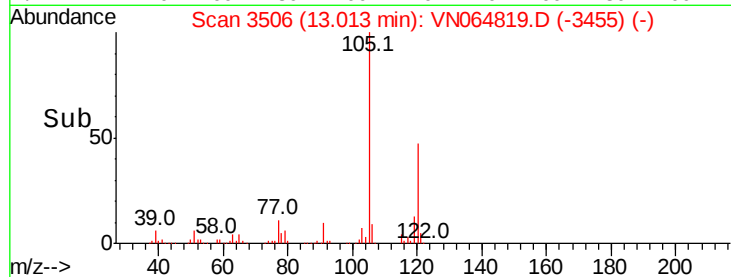
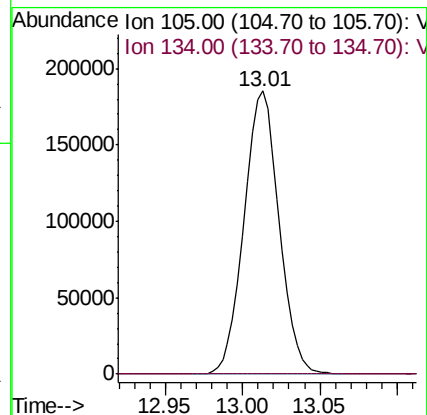
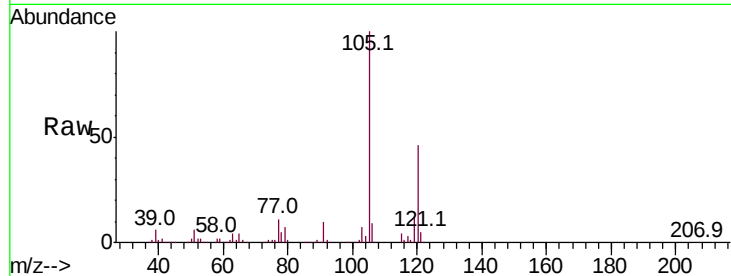
MW-3DL

Tot Ion:105 Resp: 291781

Ion Ratio Lower Upper

105 100

134 0.0 10.1 30.1#



#86

p-Isopropyltoluene

Concen: 0.323 ug/l

RT: 13.26 min Scan# 3583

Delta R.T. -0.00 min

Lab File: VN064819.D

Acq: 24 Nov 2020 18:40

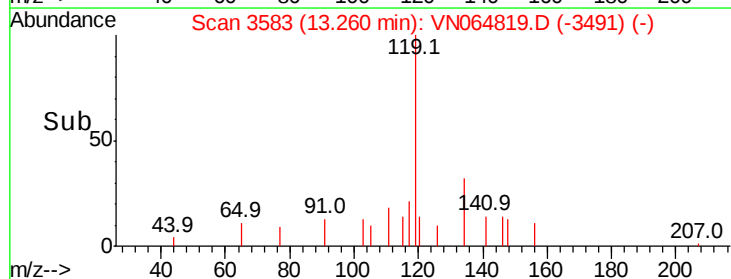
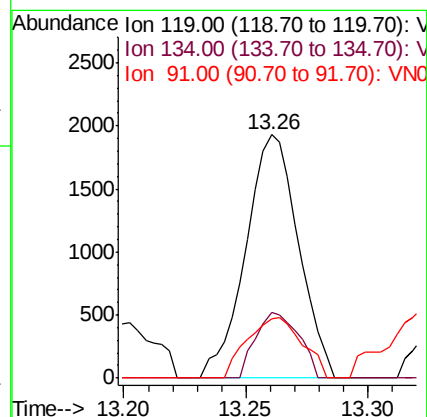
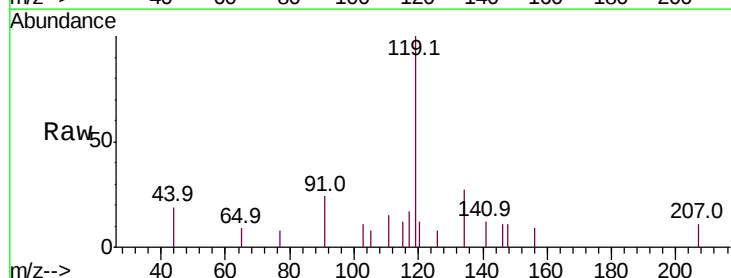
Tgt Ion:119 Resp: 2888

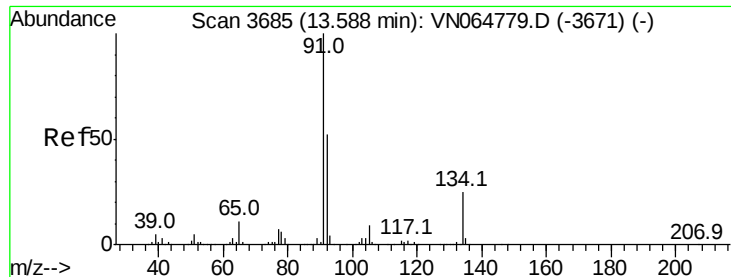
Ion Ratio Lower Upper

119 100

134 21.9 13.1 39.1

91 0.0 11.5 34.5#

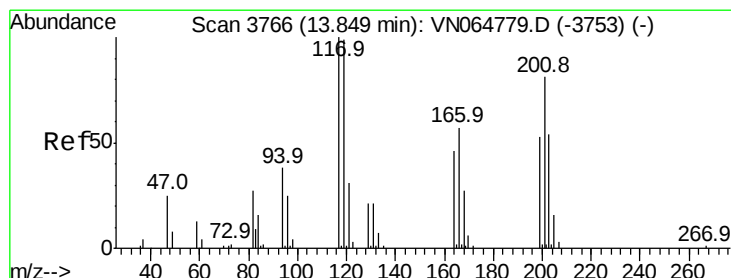
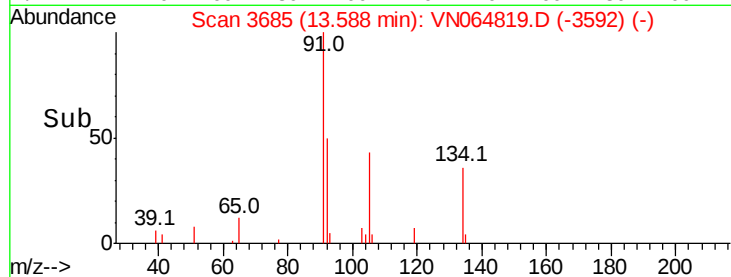
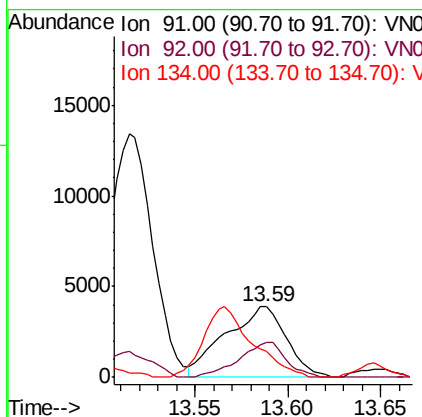
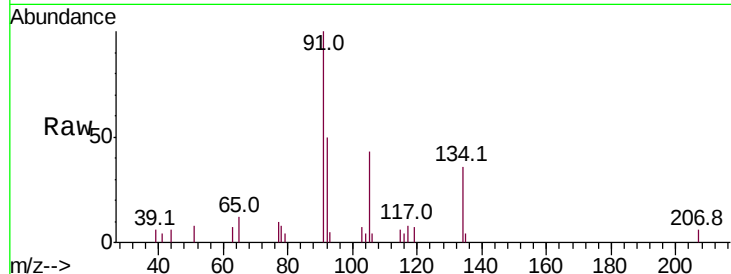




#89
n-Butylbenzene
Concen: 1.135 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN064819.D
Acq: 24 Nov 2020 18:40

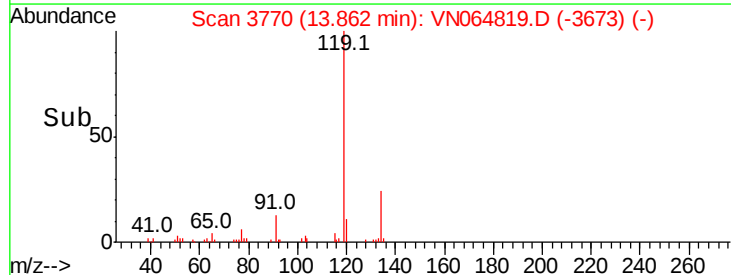
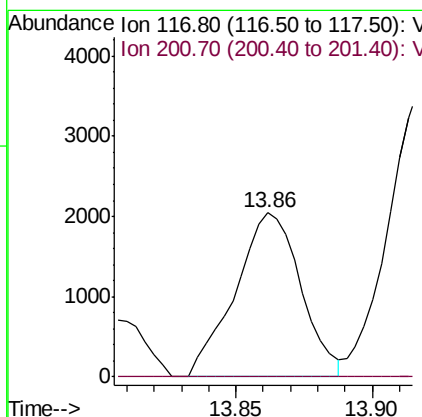
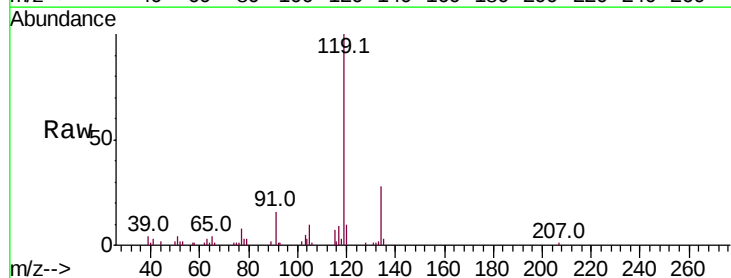
Instrument :
MSVOA_N
ClientSampleId :
MW-3DL

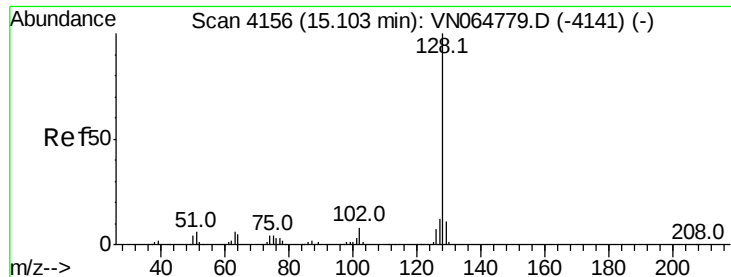
Tot Ion: 91 Resp: 8906
Ion Ratio Lower Upper
91 100
92 38.3 26.0 78.0
134 0.0 12.9 38.6#



#90
Hexachloroethane
Concen: 2.193 ug/l
RT: 13.86 min Scan# 3770
Delta R.T. 0.01 min
Lab File: VN064819.D
Acq: 24 Nov 2020 18:40

Tgt Ion: 117 Resp: 3404
Ion Ratio Lower Upper
117 100
201 0.0 40.1 120.3#

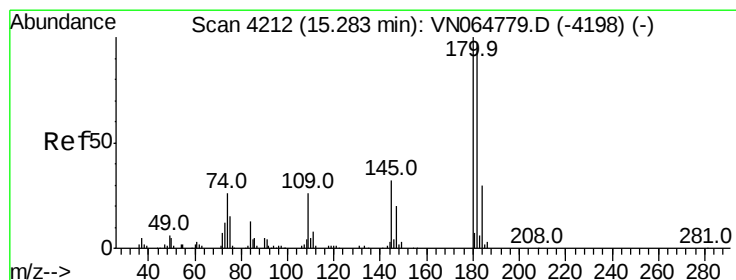
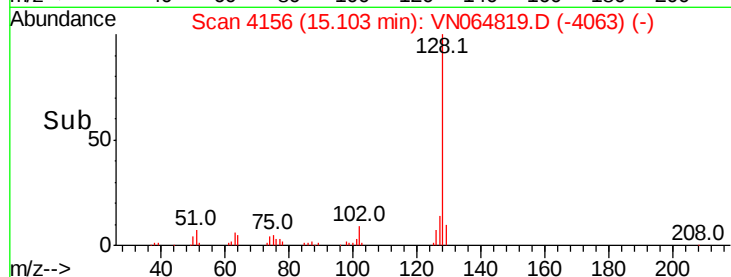
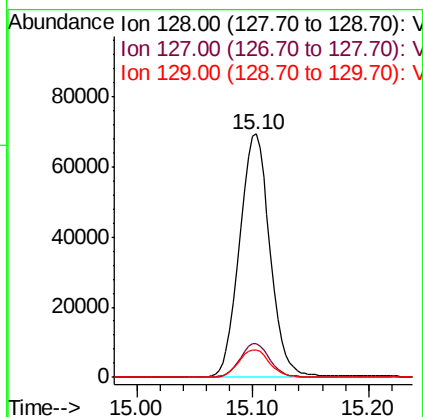
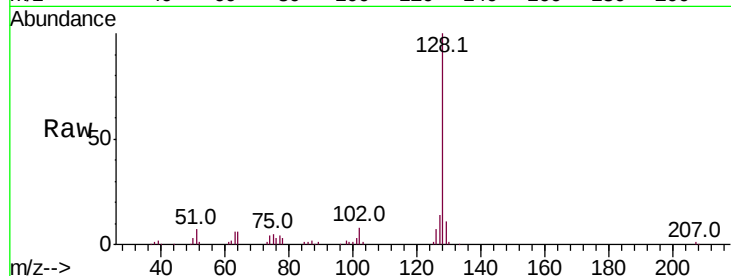




#95
Naphthalene
Concen: 13.733 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN064819.D
Acq: 24 Nov 2020 18:40

Instrument :
MSVOA_N
ClientSampleId :
MW-3DL

Tot Ion:128 Resp: 126982
Ion Ratio Lower Upper
128 100
127 13.6 10.3 15.5
129 11.5 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 1.532 ug/l
RT: 15.27 min Scan# 4209
Delta R.T. -0.01 min
Lab File: VN064819.D
Acq: 24 Nov 2020 18:40

Tgt Ion:180 Resp: 424
Ion Ratio Lower Upper
180 100
182 111.1 48.1 144.4
145 271.5 16.4 49.1#

