

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN070920\
 Data File : VN062452.D
 Acq On : 9 Jul 2020 13:04
 Operator : JC/MD
 Sample : L3215-16DL 20X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2DL

Quant Time: Jul 09 13:23:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070820W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 09 02:12:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	209058	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	376878	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	365517	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	155781	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	163588	50.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.74%	
35) Dibromofluoromethane	7.55	113	121228	52.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.08%	
50) Toluene-d8	10.06	98	492399	53.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.08%	
62) 4-Bromofluorobenzene	12.38	95	192254	57.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.42%	

Target Compounds

						Qvalue
3) Chloromethane	2.04	50	774	0.227	ug/l #	74
6) Chloroethane	2.63	64	345	0.212	ug/l #	44
11) Tert butyl alcohol	4.70	59	1108	2.077	ug/l #	74
13) Acrolein	3.77	56	601	1.562	ug/l #	54
14) Allyl chloride	4.48	41	2681	0.531	ug/l #	28
15) Acrylonitrile	4.99	53	1312	0.938	ug/l #	33
16) Acetone	3.78	43	5177	3.792	ug/l #	82
17) Carbon Disulfide	4.00	76	3398	0.505	ug/l #	75
18) Methyl Acetate	4.49	43	12034	3.532	ug/l #	56
19) Methyl tert-butyl Ether	4.99	73	14919	1.834	ug/l #	1
30) Chloroform	7.28	83	1467	0.315	ug/l #	18
31) Cyclohexane	7.62	56	19900	4.074	ug/l #	67
36) 1,1-Dichloropropene	7.63	75	19058	5.019	ug/l #	51
38) Carbon Tetrachloride	7.63	117	22002	6.445	ug/l #	16
39) Methylcyclohexane	9.05	83	17036	4.203	ug/l	93
40) Benzene	8.00	78	155349	13.882	ug/l	97
43) Isopropyl Acetate	8.11	43	2891	0.412	ug/l #	57
52) Toluene	10.12	92	15489	2.396	ug/l	97
55) 1,1,2-Trichloroethane	10.50	97	3576	1.407	ug/l #	19
56) Ethyl methacrylate	10.41	69	430	1.801	ug/l #	1
59) 2-Hexanone	10.77	43	1326	0.436	ug/l	78
67) Ethyl Benzene	11.48	91	349018	26.174	ug/l	99
68) m/p-Xylenes	11.59	106	539737	114.337	ug/l	98
69) o-Xylene	11.92	106	54849	11.934	ug/l	98
70) Styrene	11.92	104	3114	0.410	ug/l #	1
71) Bromoform	12.38	173	1388	0.723	ug/l #	1
73) Isopropylbenzene	12.22	105	35147	2.916	ug/l	99
76) 1,2,3-Trichloropropane	12.37	75	100383	26.262	ug/l #	100
78) n-propylbenzene	12.57	91	79452	5.642	ug/l	99
79) 2-Chlorotoluene	12.66	91	12477	1.460	ug/l #	44
80) 1,3,5-Trimethylbenzene	12.71	105	145735	14.747	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.37	75	100383	70.293	ug/l #	10
82) 4-Chlorotoluene	12.71	91	17300	1.994	ug/l #	44
83) tert-Butylbenzene	13.01	119	71269	8.498	ug/l #	71

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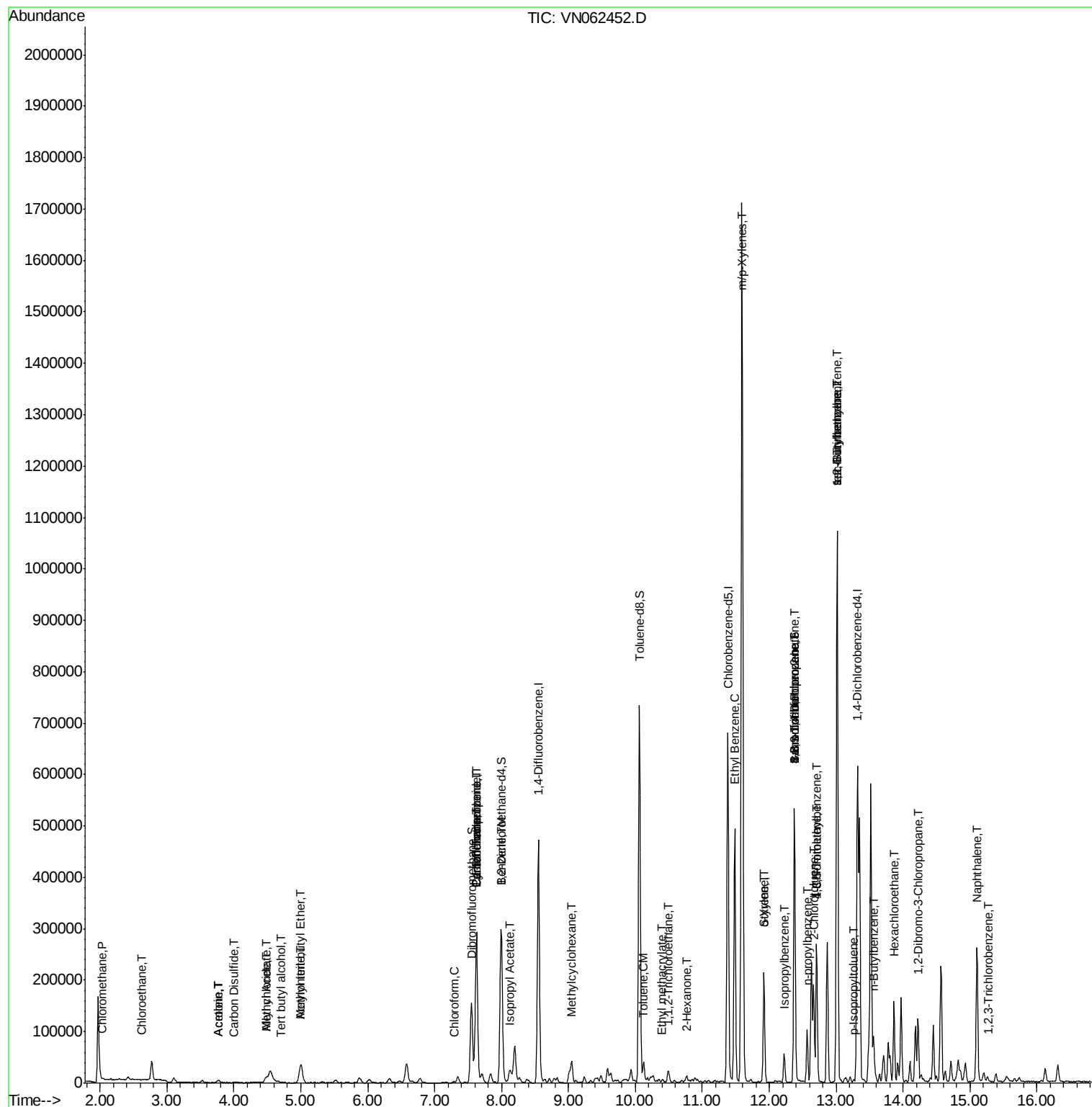
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) 1,2,4-Trimethylbenzene	13.01	105	597481	60.827	ug/l	99
85) sec-Butylbenzene	13.01	105	597481	53.766	ug/l #	58
86) p-Isopropyltoluene	13.26	119	2482	0.259	ug/l #	70
89) n-Butylbenzene	13.56	91	2994	0.354	ug/l #	1
90) Hexachloroethane	13.87	117	7619	4.038	ug/l #	14
92) 1,2-Dibromo-3-Chloropropan	14.22	75	550	0.744	ug/l #	8
93) 1,2,4-Trichlorobenzene	14.88	180	102	Below Cal	#	34
95) Naphthalene	15.10	128	213781	37.250	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	152	3.278	ug/l #	41

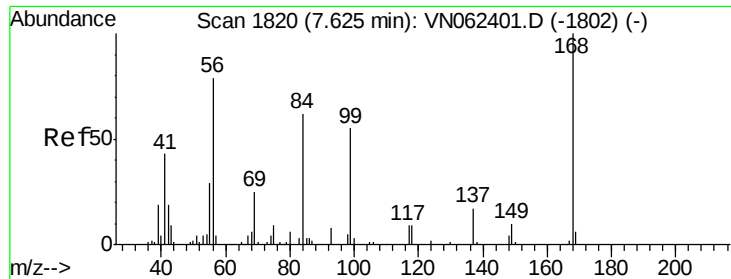
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN062452.D

Acq: 9 Jul 2020 13:04

Instrument :

MSVOA_N

ClientSampled :

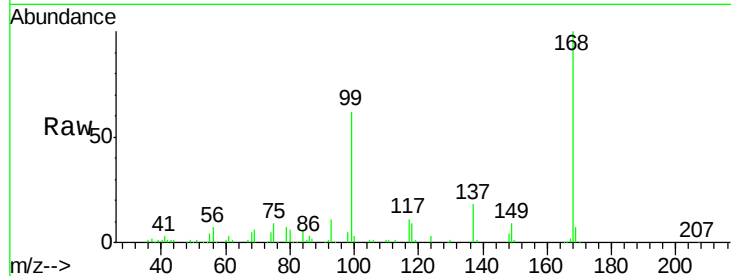
MW-2DL

Tgt Ion:168 Resp: 209058

Ion Ratio Lower Upper

168 100

99 62.4 48.8 73.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

80000

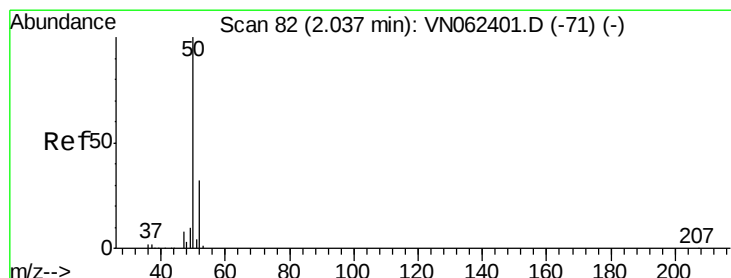
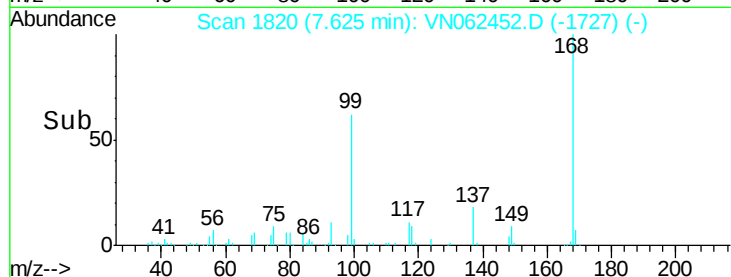
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: 0.227 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN062452.D

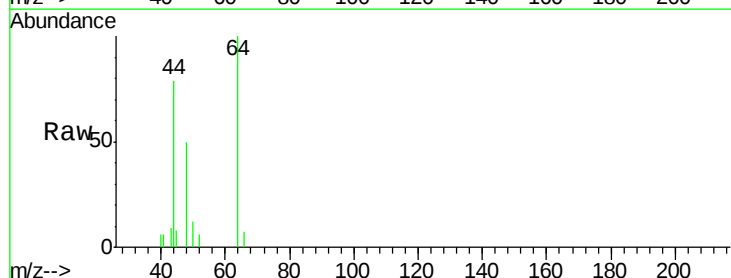
Acq: 9 Jul 2020 13:04

Tgt Ion: 50 Resp: 774

Ion Ratio Lower Upper

50 100

52 46.6 25.5 38.3#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.04

800

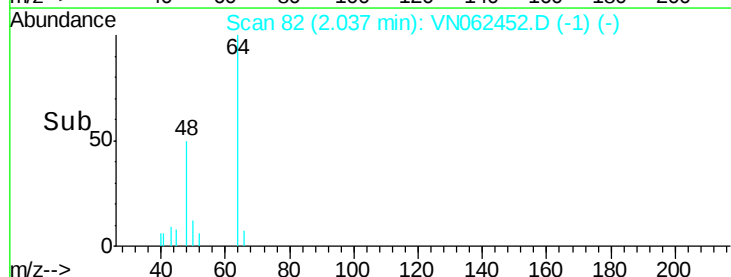
600

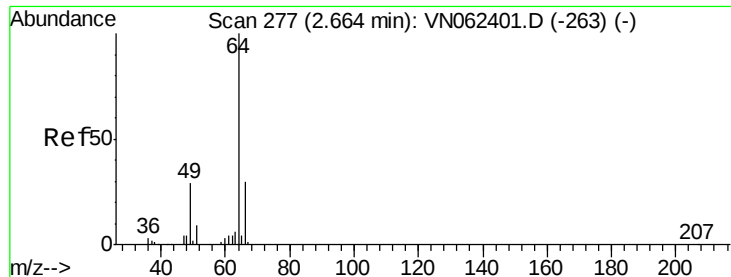
400

200

0

Time--> 2.00 2.05





#6

Chloroethane

Concen: 0.212 ug/l

RT: 2.63 min Scan# 266

Delta R.T. -0.04 min

Lab File: VN062452.D

Acq: 9 Jul 2020 13:04

Instrument :

MSVOA_N

ClientSampled :

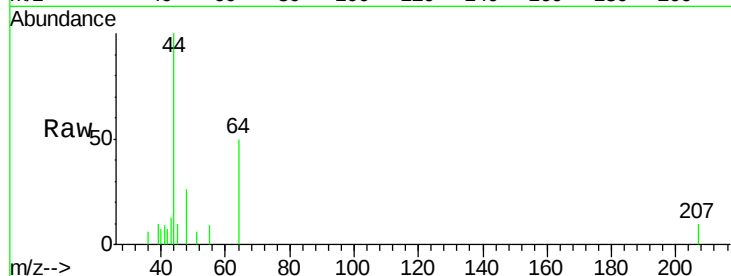
MW-2DL

Tgt Ion: 64 Resp: 345

Ion Ratio Lower Upper

64 100

66 0.0 24.2 36.2#



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.63

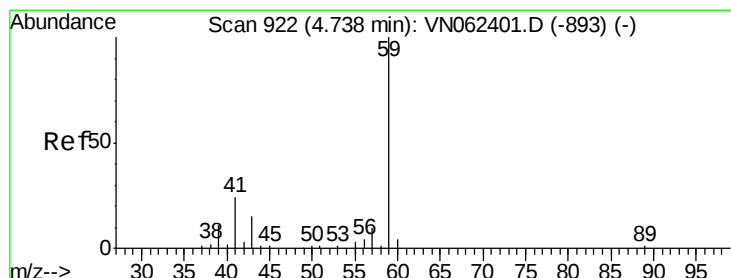
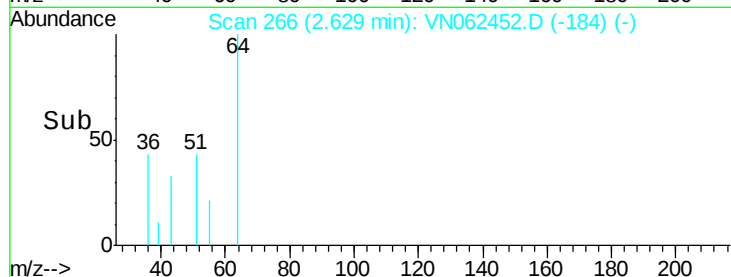
1500

1000

500

0

Time--> 2.60 2.62 2.64



#11

Tert butyl alcohol

Concen: 2.077 ug/l

RT: 4.70 min Scan# 910

Delta R.T. -0.04 min

Lab File: VN062452.D

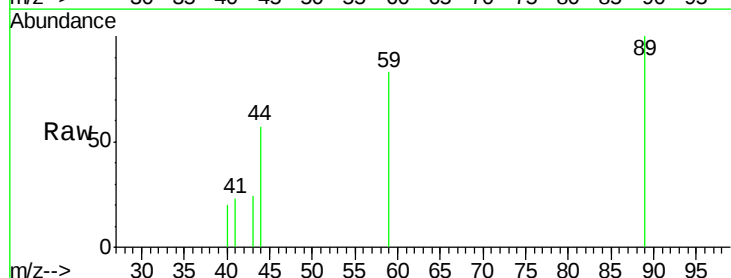
Acq: 9 Jul 2020 13:04

Tgt Ion: 59 Resp: 1108

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

800

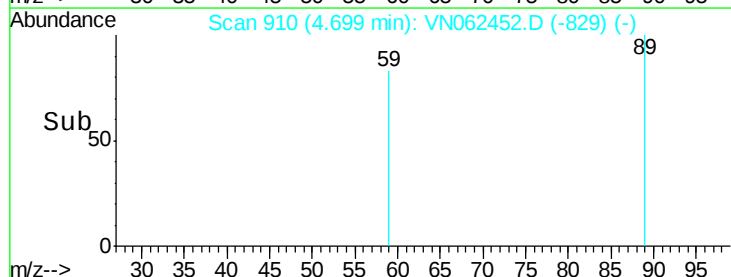
600

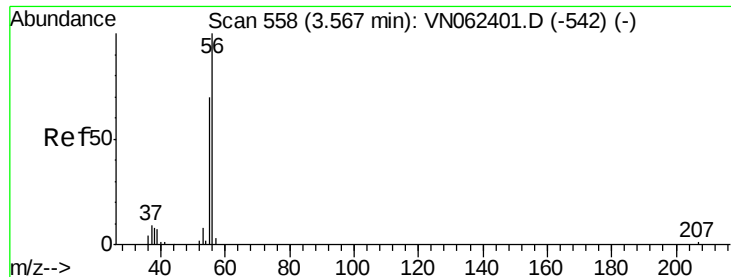
400

200

0

Time--> 4.64 4.66 4.68 4.70 4.72





#13

Acrolein

Concen: 1.562 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.20 min

Lab File: VN062452.D

Acq: 9 Jul 2020 13:04

Instrument :

MSVOA_N

ClientSampled :

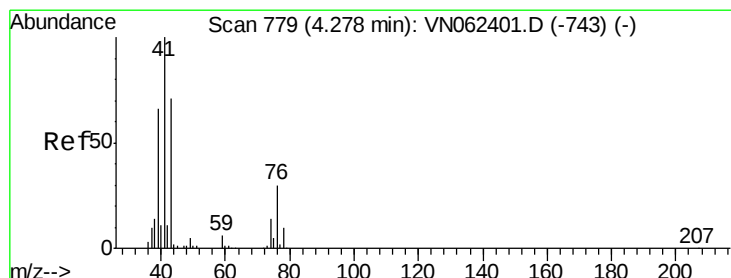
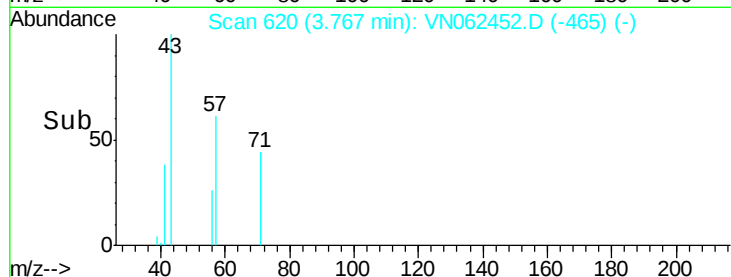
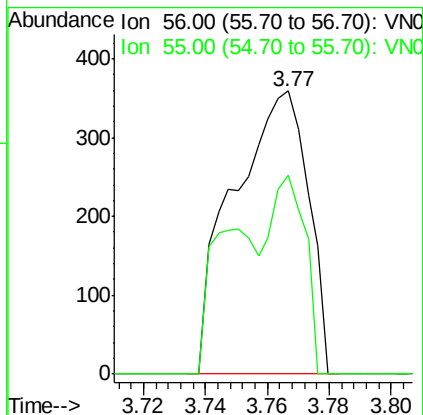
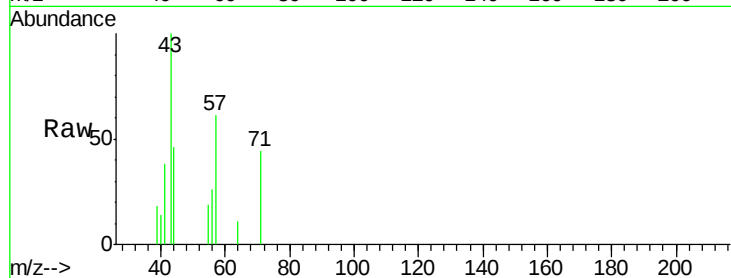
MW-2DL

Tgt Ion: 56 Resp: 601

Ion Ratio Lower Upper

56 100

55 33.4 57.2 85.8#



#14

Allyl chloride

Concen: 0.531 ug/l

RT: 4.48 min Scan# 841

Delta R.T. 0.20 min

Lab File: VN062452.D

Acq: 9 Jul 2020 13:04

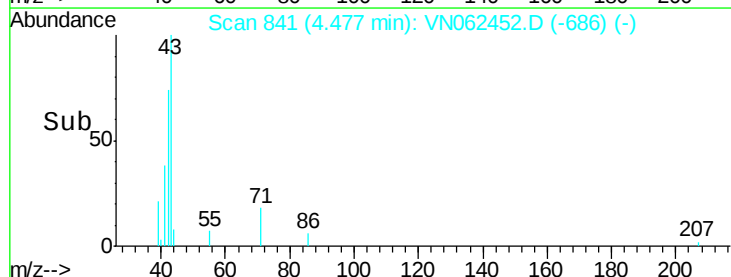
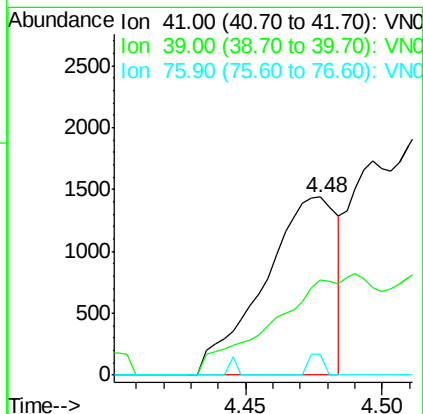
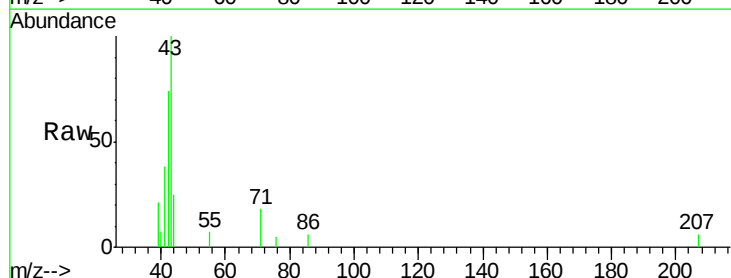
Tgt Ion: 41 Resp: 2681

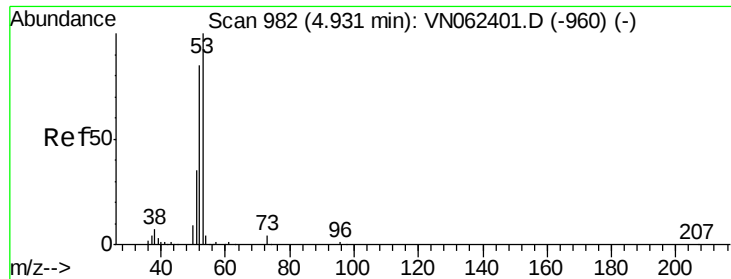
Ion Ratio Lower Upper

41 100

39 0.0 49.6 74.4#

76 0.0 22.2 33.4#





#15

Acrylonitrile

Concen: 0.938 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.06 min

Lab File: VN062452.D

Acq: 9 Jul 2020 13:04

Instrument :

MSVOA_N

ClientSampled :

MW-2DL

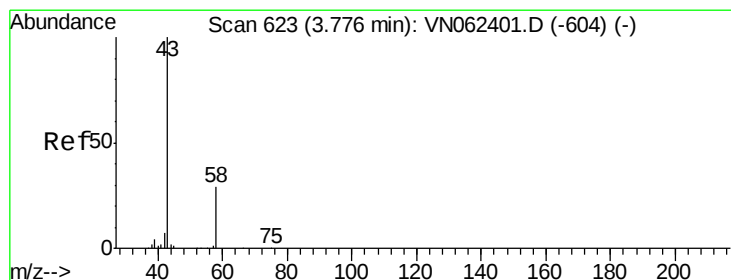
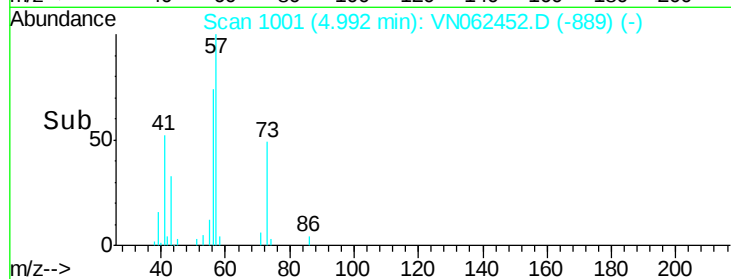
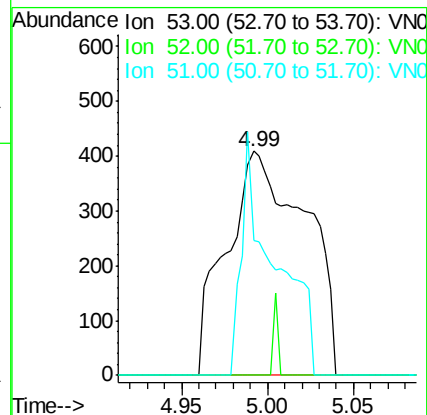
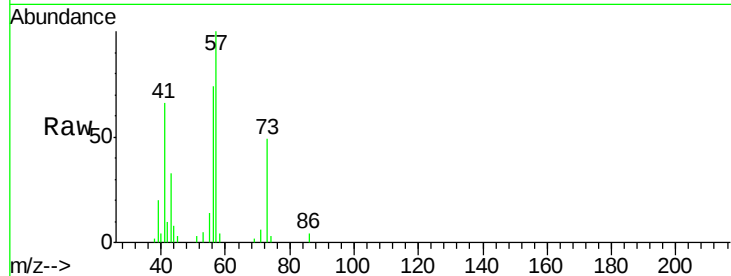
Tgt Ion: 53 Resp: 1312

Ion Ratio Lower Upper

53 100

52 2.2 66.2 99.4#

51 44.1 28.7 43.1#



#16

Acetone

Concen: 3.792 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.00 min

Lab File: VN062452.D

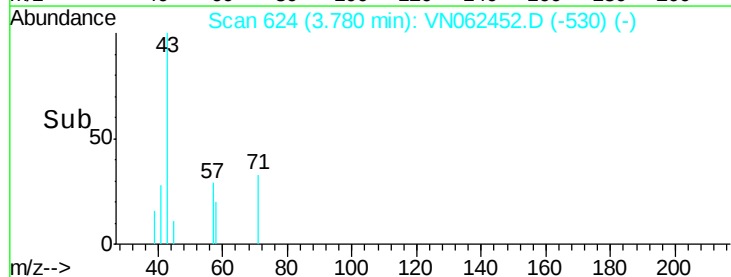
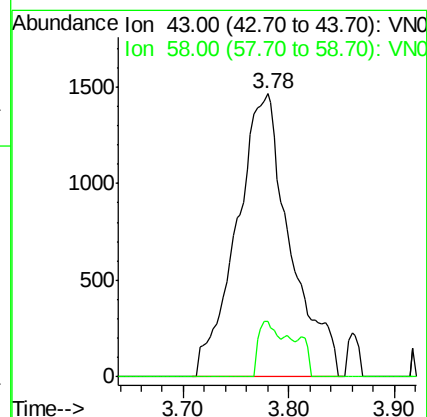
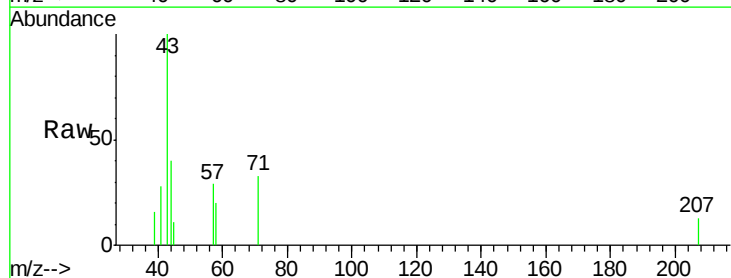
Acq: 9 Jul 2020 13:04

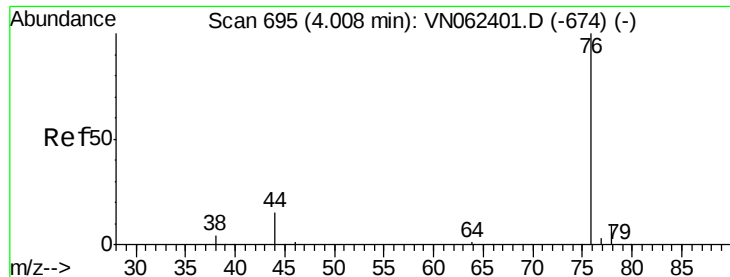
Tgt Ion: 43 Resp: 5177

Ion Ratio Lower Upper

43 100

58 19.7 23.5 35.3#





#17

Carbon Disulfide

Concen: 0.505 ug/l

RT: 4.00 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN062452.D

Acq: 9 Jul 2020 13:04

Instrument :

MSVOA_N

ClientSampled :

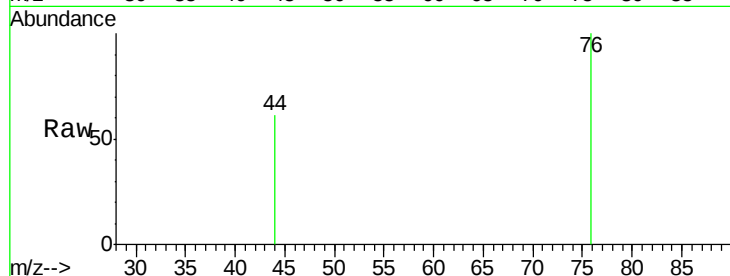
MW-2DL

Tgt Ion: 76 Resp: 3398

Ion Ratio Lower Upper

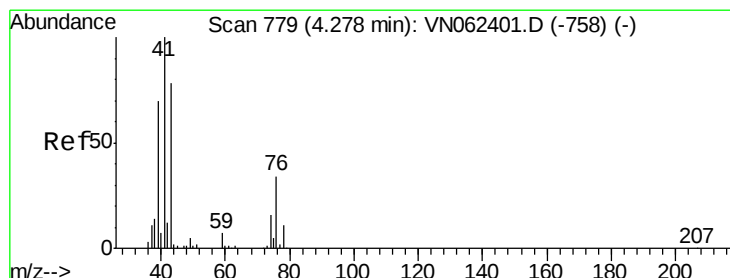
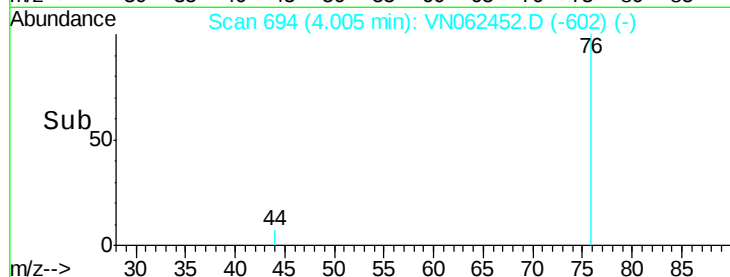
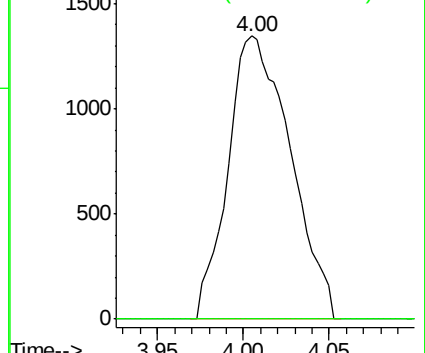
76 100

78 0.0 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 3.532 ug/l

RT: 4.49 min Scan# 844

Delta R.T. 0.21 min

Lab File: VN062452.D

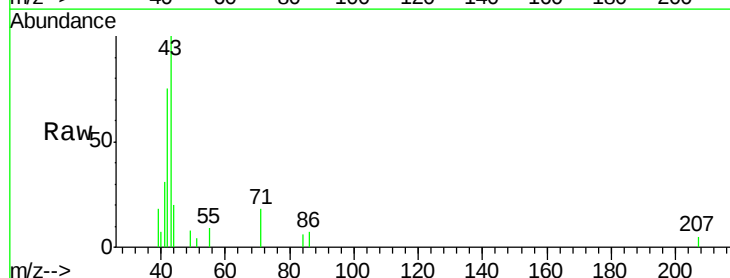
Acq: 9 Jul 2020 13:04

Tgt Ion: 43 Resp: 12034

Ion Ratio Lower Upper

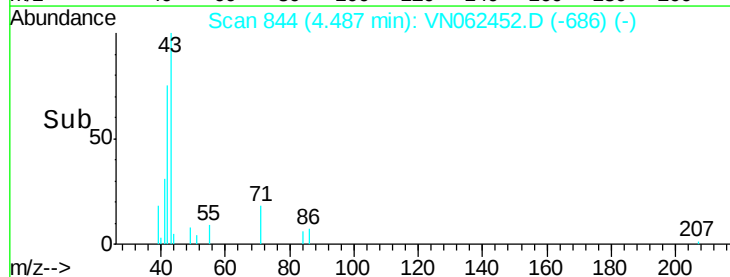
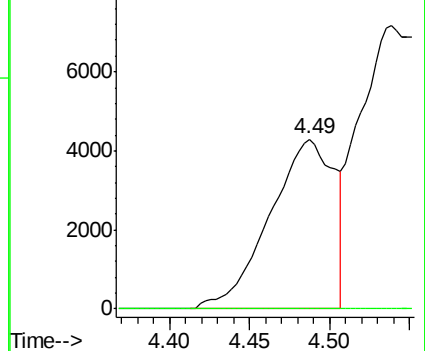
43 100

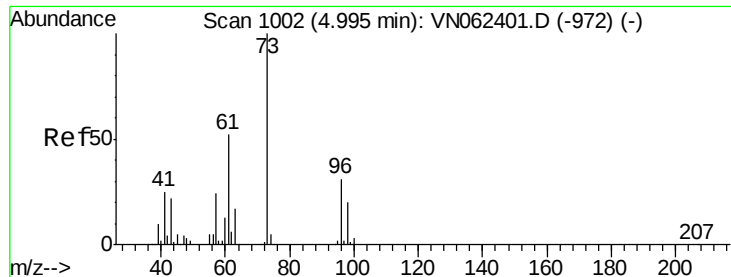
74 0.0 16.0 24.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

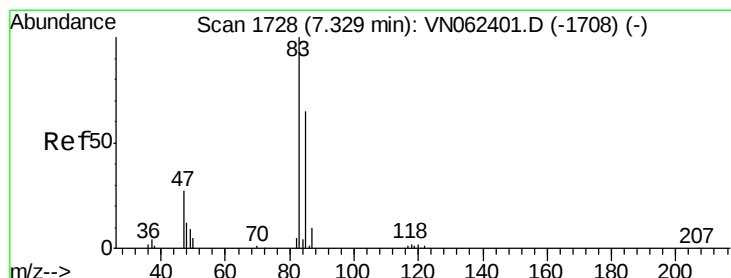
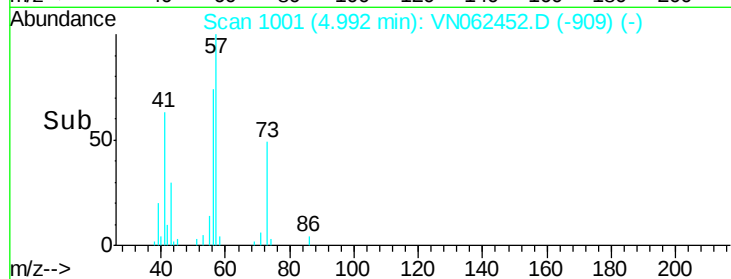
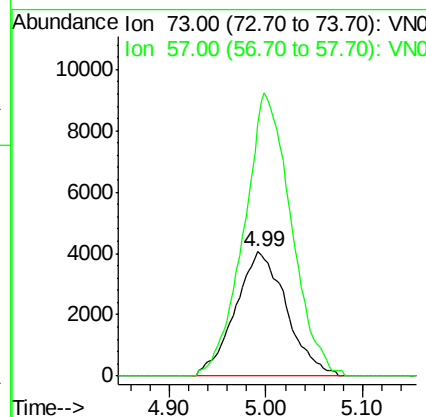
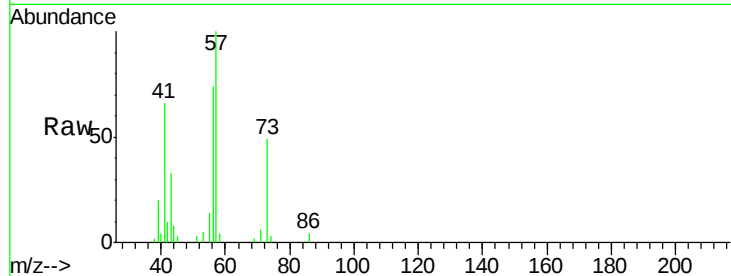




#19
Methyl tert-butyl Ether
Concen: 1.834 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VN062452.D
Acq: 9 Jul 2020 13:04

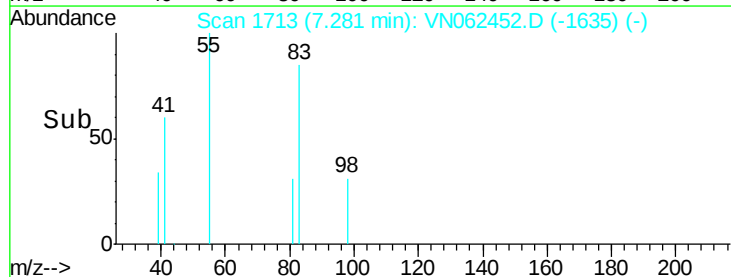
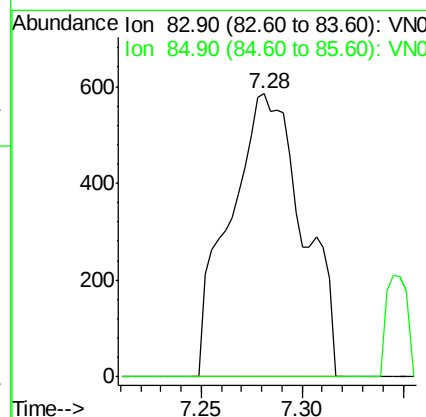
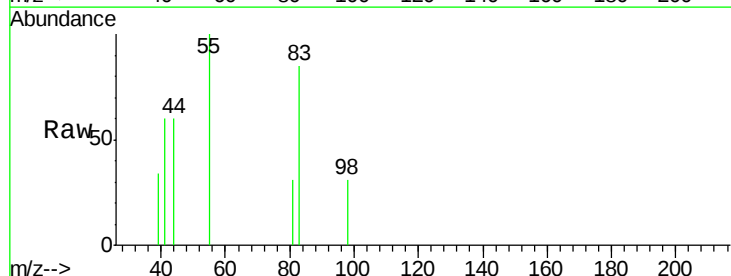
Instrument :
MSVOA_N
ClientSampled :
MW-2DL

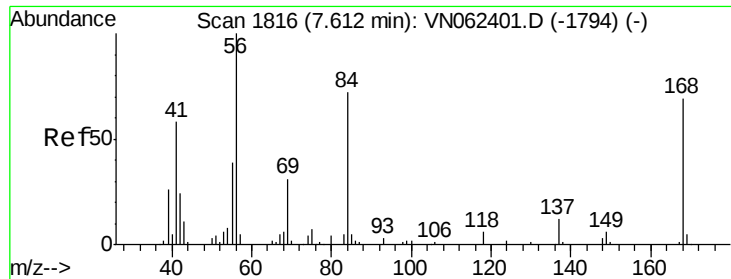
Tgt Ion: 73 Resp: 14919
Ion Ratio Lower Upper
73 100
57 203.9 19.4 29.0#



#30
Chloroform
Concen: 0.315 ug/l
RT: 7.28 min Scan# 1713
Delta R.T. -0.05 min
Lab File: VN062452.D
Acq: 9 Jul 2020 13:04

Tgt Ion: 83 Resp: 1467
Ion Ratio Lower Upper
83 100
85 0.0 51.8 77.6#

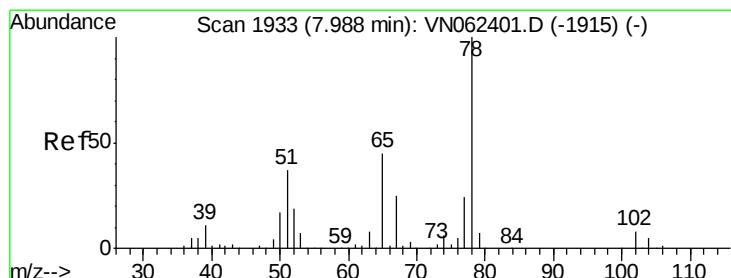
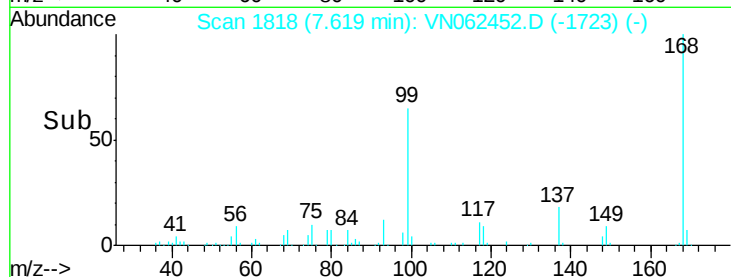
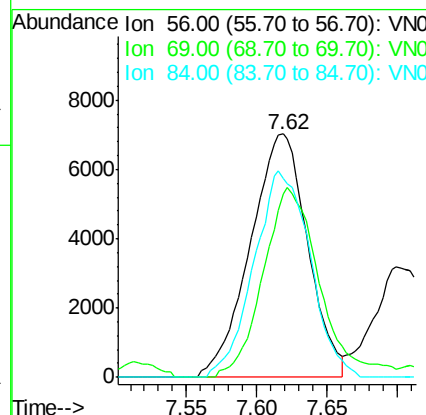
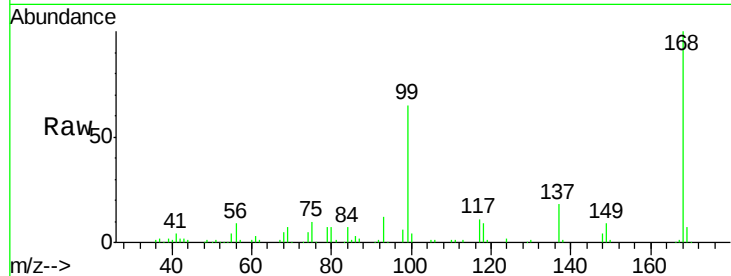




#31
Cyclohexane
Concen: 4.074 ug/l
RT: 7.62 min Scan# 1816
Delta R.T. 0.01 min
Lab File: VN062452.D
Acq: 9 Jul 2020 13:04

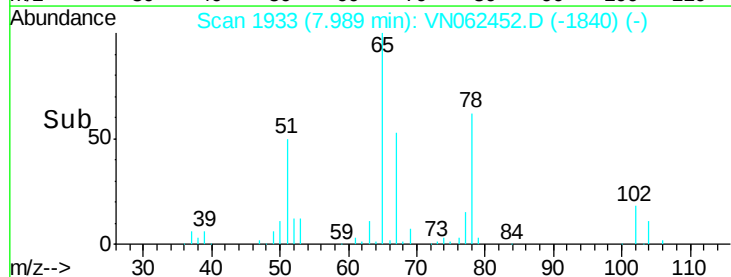
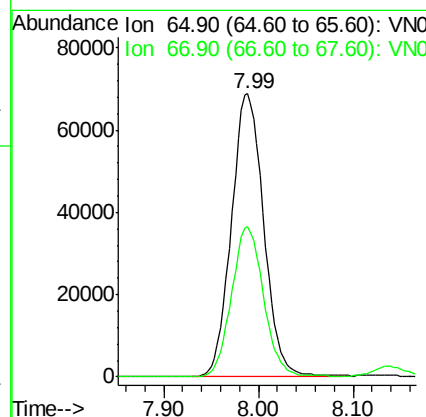
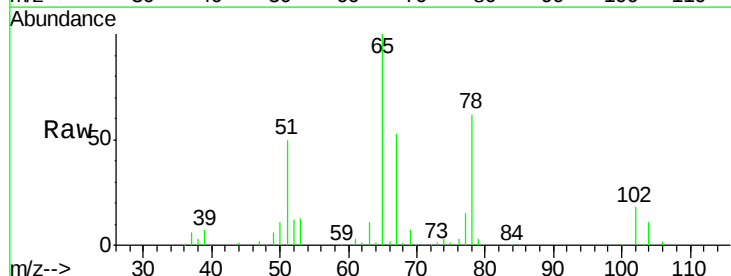
Instrument :
MSVOA_N
ClientSampleId :
MW-2DL

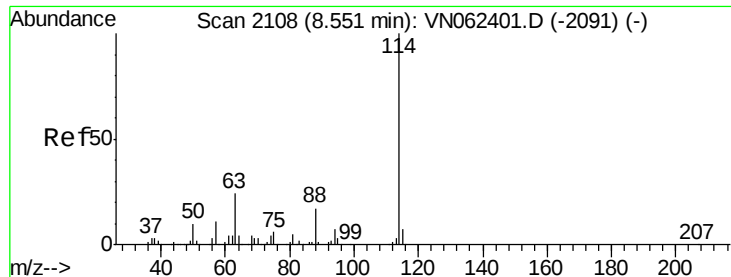
Tgt Ion: 56 Resp: 19900
Ion Ratio Lower Upper
56 100
69 75.5 24.5 36.7#
84 81.6 57.4 86.2



#33
1,2-Dichloroethane-d4
Concen: 50.874 ug/l
RT: 7.99 min Scan# 1933
Delta R.T. 0.00 min
Lab File: VN062452.D
Acq: 9 Jul 2020 13:04

Tgt Ion: 65 Resp: 163588
Ion Ratio Lower Upper
65 100
67 52.4 0.0 107.6

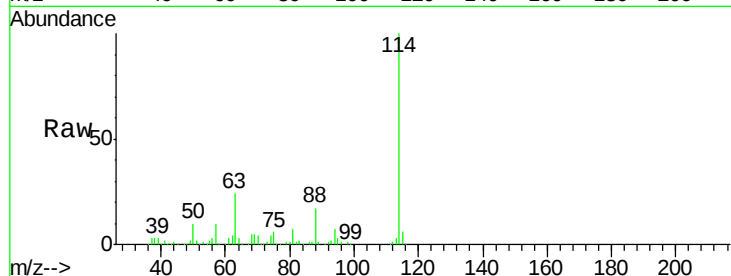




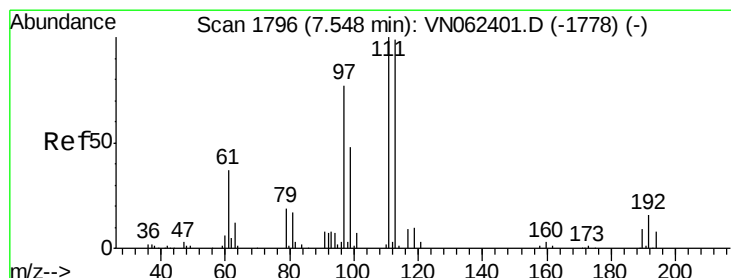
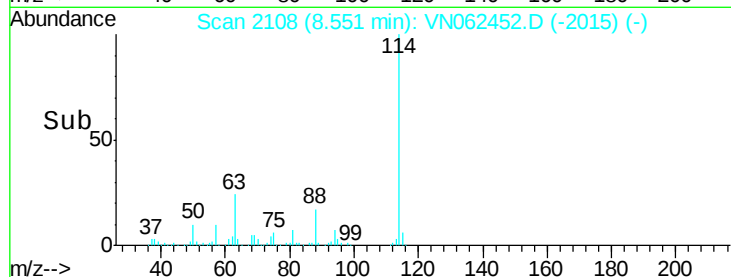
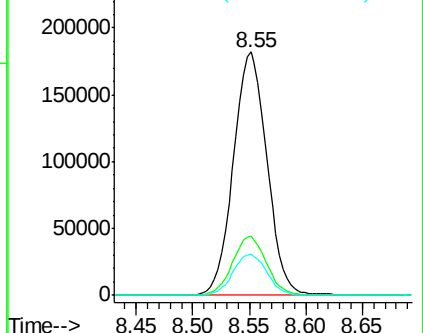
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062452.D
 Acq: 9 Jul 2020 13:04

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2DL

Tgt Ion:114 Resp: 376878
 Ion Ratio Lower Upper
 114 100
 63 24.1 0.0 48.4
 88 16.9 0.0 33.8

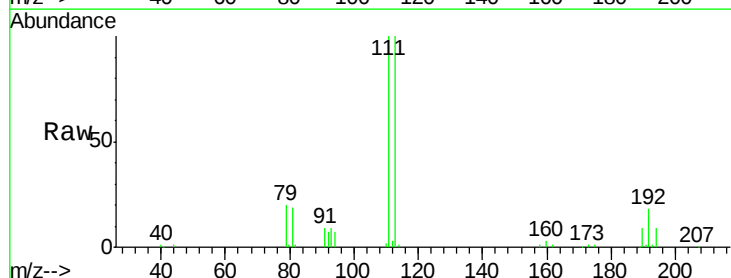


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

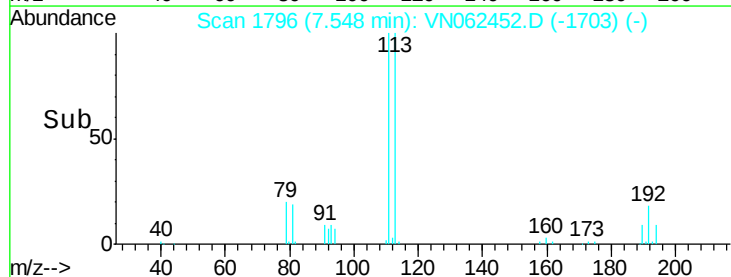
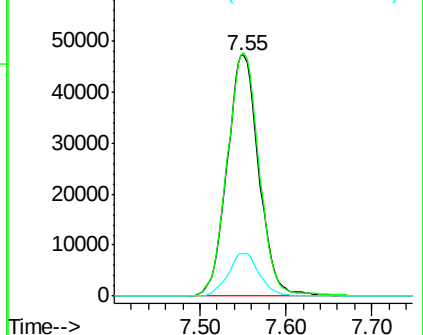


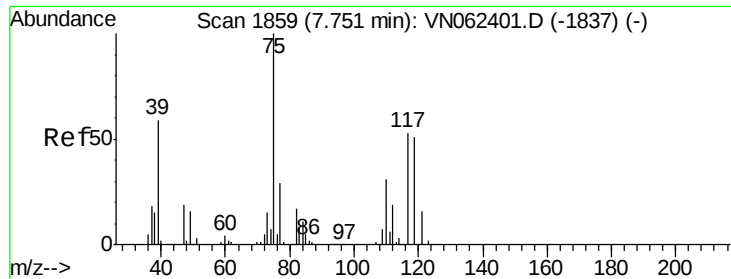
#35
 Dibromofluoromethane
 Concen: 52.038 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN062452.D
 Acq: 9 Jul 2020 13:04

Tgt Ion:113 Resp: 121228
 Ion Ratio Lower Upper
 113 100
 111 100.6 83.1 124.7
 192 17.2 14.1 21.1



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

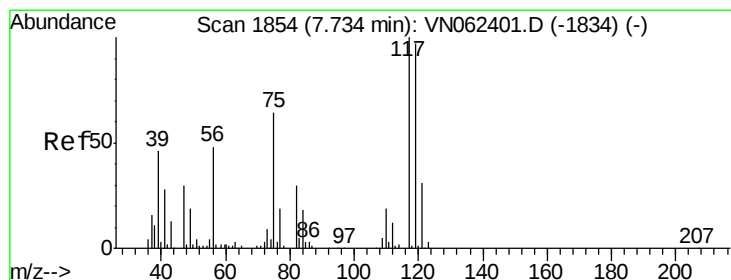
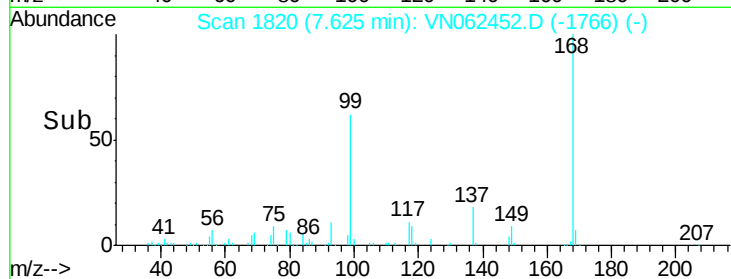
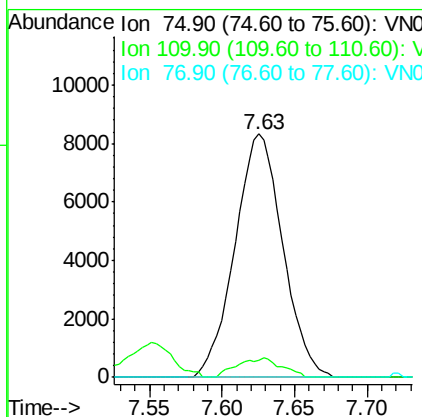
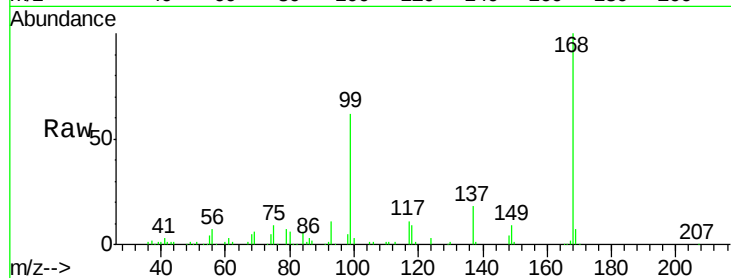




#36
 1,1-Dichloropropene
 Concen: 5.019 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062452.D
 Acq: 9 Jul 2020 13:04

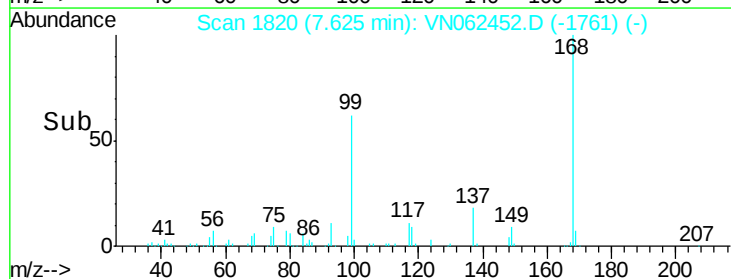
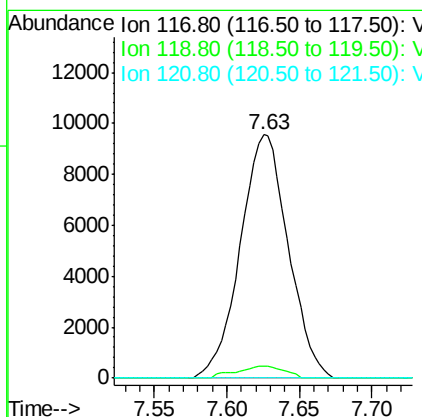
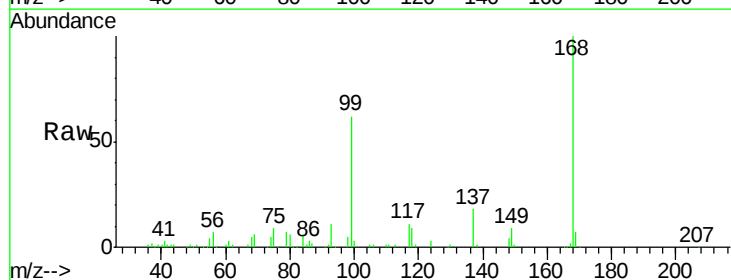
Instrument :
 MSVOA_N
 ClientSampleID :
 MW-2DL

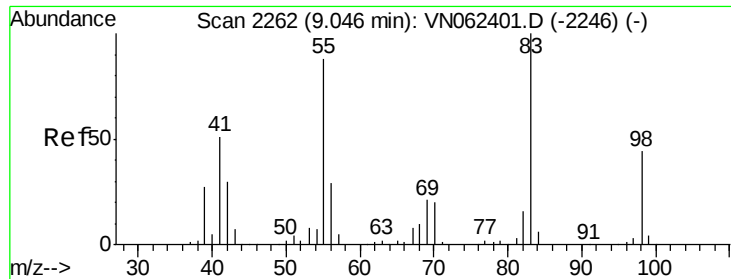
Tgt Ion: 75 Resp: 19058
 Ion Ratio Lower Upper
 75 100
 110 7.4 15.4 46.2#
 77 0.0 24.1 36.1#



#38
 Carbon Tetrachloride
 Concen: 6.445 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.11 min
 Lab File: VN062452.D
 Acq: 9 Jul 2020 13:04

Tgt Ion: 117 Resp: 22002
 Ion Ratio Lower Upper
 117 100
 119 5.0 77.2 115.8#
 121 0.0 24.8 37.2#

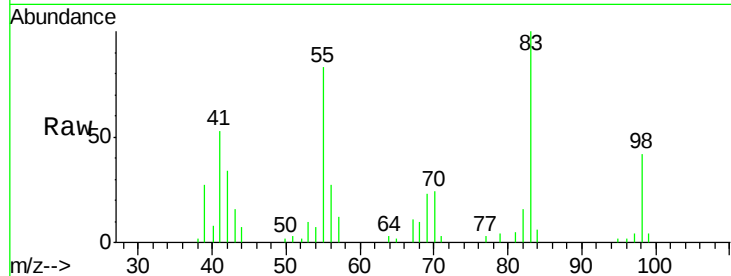




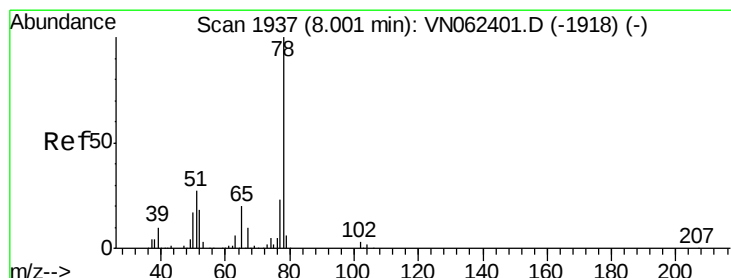
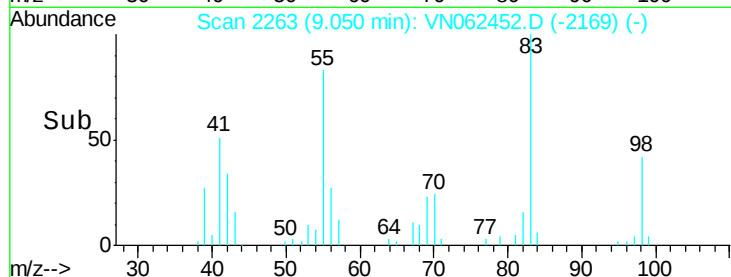
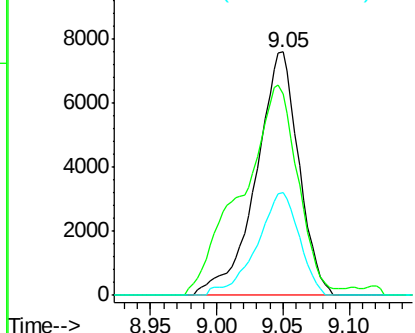
#39
Methylcyclohexane
Concen: 4.203 ug/l
RT: 9.05 min Scan# 2263
Delta R.T. 0.00 min
Lab File: VN062452.D
Acq: 9 Jul 2020 13:04

Instrument :
MSVOA_N
ClientSampleId :
MW-2DL

Tgt Ion: 83 Resp: 17036
Ion Ratio Lower Upper
83 100
55 80.4 70.5 105.7
98 42.0 35.5 53.3

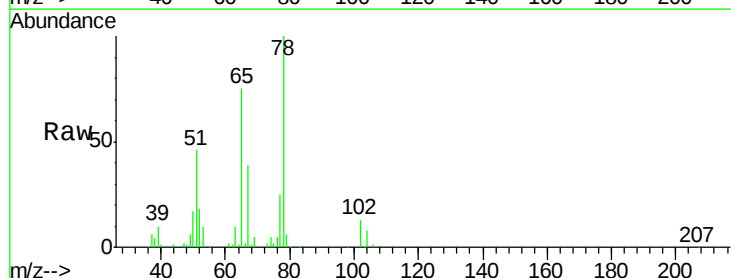


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

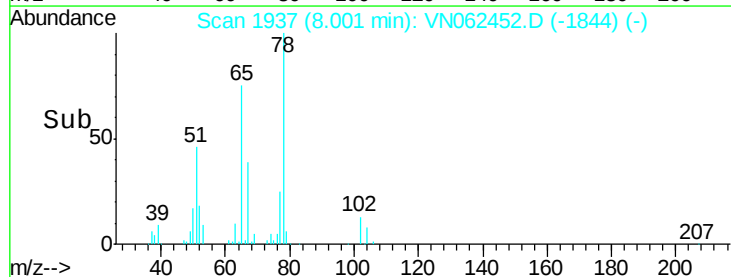
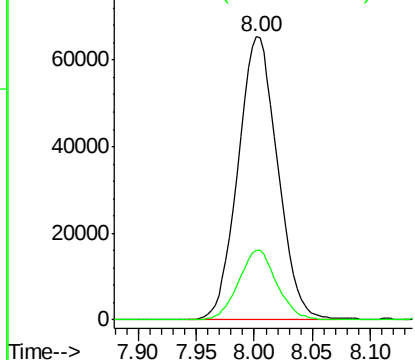


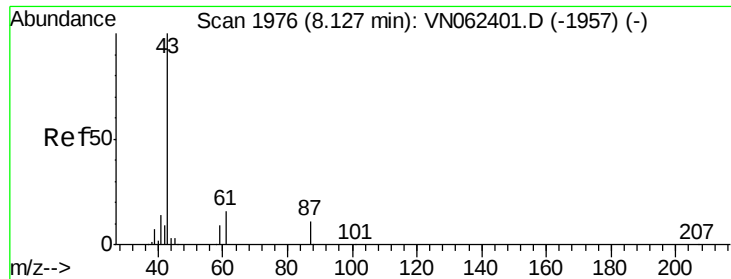
#40
Benzene
Concen: 13.882 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN062452.D
Acq: 9 Jul 2020 13:04

Tgt Ion: 78 Resp: 155349
Ion Ratio Lower Upper
78 100
77 24.8 18.7 28.1



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

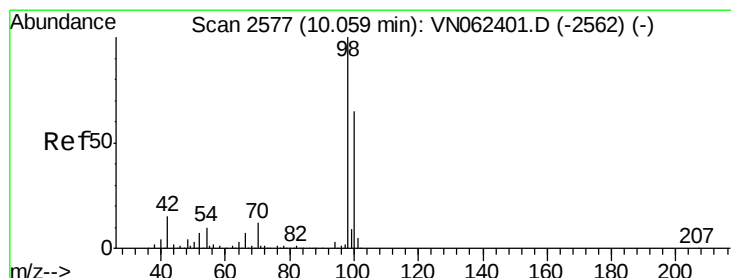
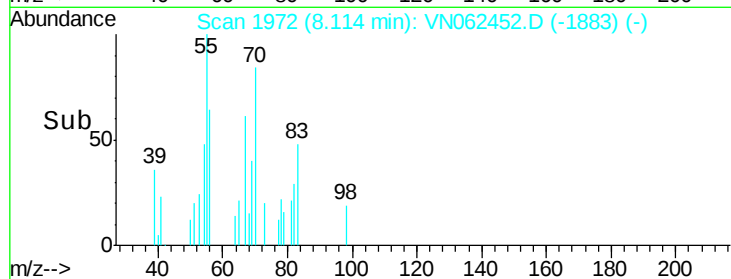
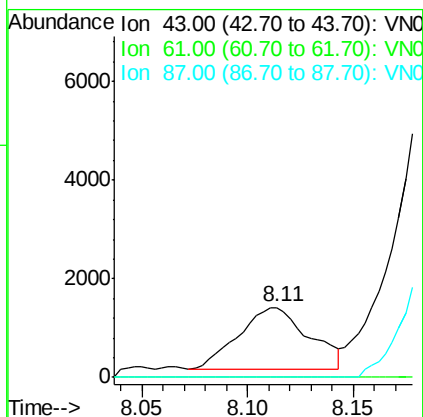
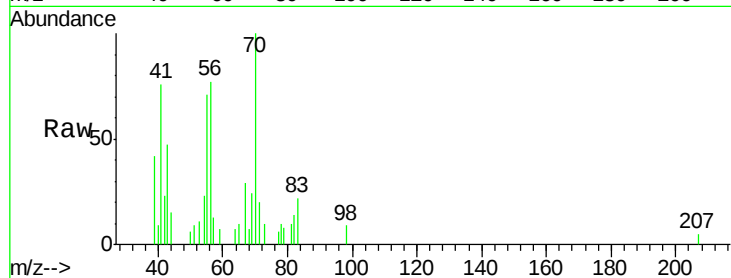




#43
Isopropyl Acetate
Concen: 0.412 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. -0.01 min
Lab File: VN062452.D
Acq: 9 Jul 2020 13:04

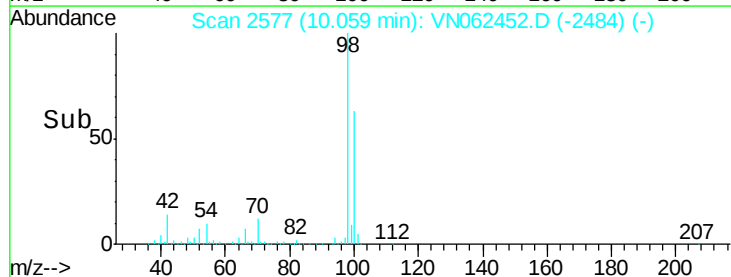
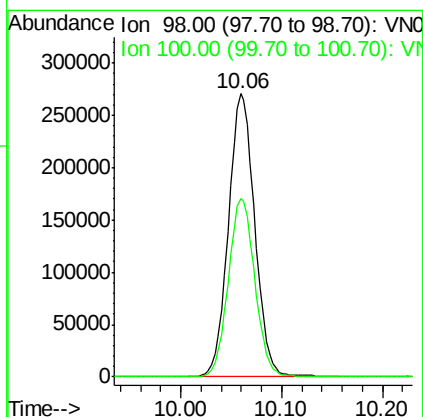
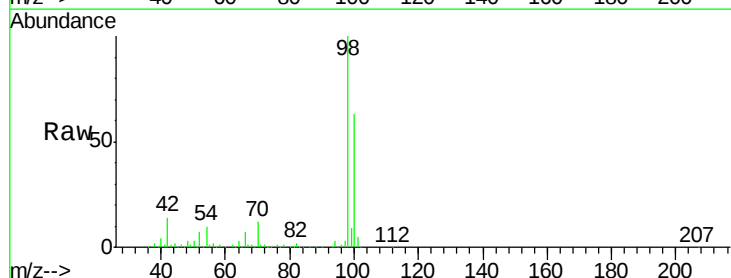
Instrument :
MSVOA_N
ClientSampleId :
MW-2DL

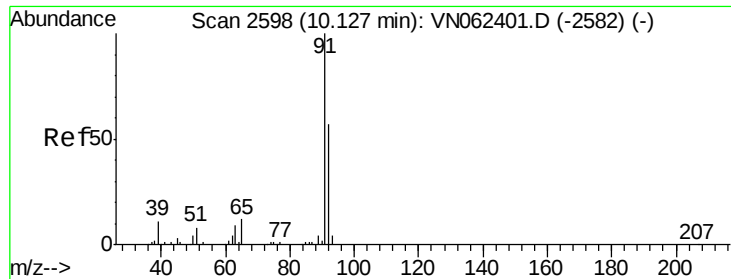
Tgt Ion: 43 Resp: 2891
Ion Ratio Lower Upper
43 100
61 0.0 19.3 28.9#
87 0.0 8.6 13.0#



#50
Toluene-d8
Concen: 53.541 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN062452.D
Acq: 9 Jul 2020 13:04

Tgt Ion: 98 Resp: 492399
Ion Ratio Lower Upper
98 100
100 63.5 51.5 77.3





#52

Toluene

Concen: 2.396 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062452.D

Acq: 9 Jul 2020 13:04

Instrument :

MSVOA_N

ClientSampleId :

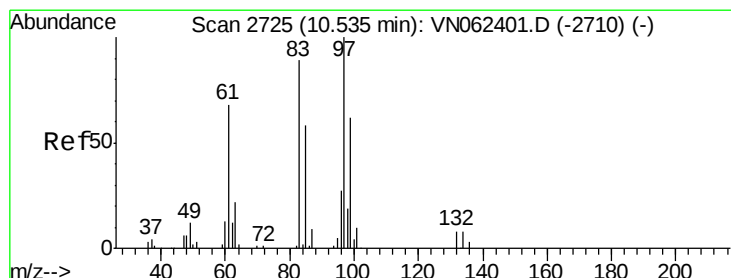
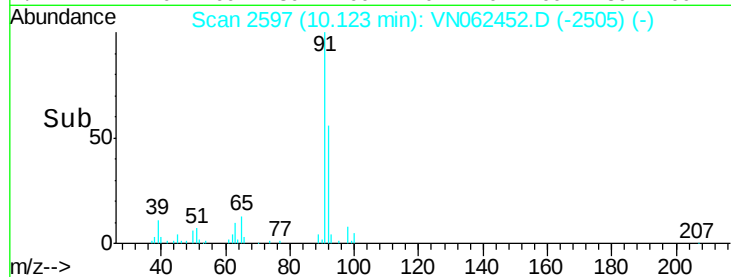
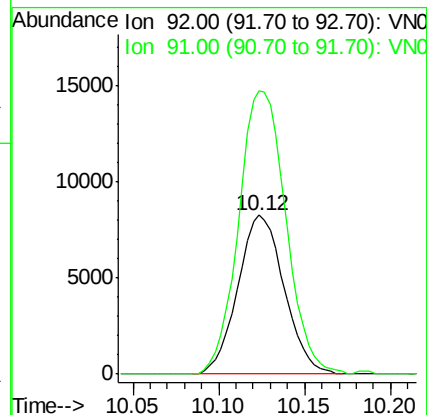
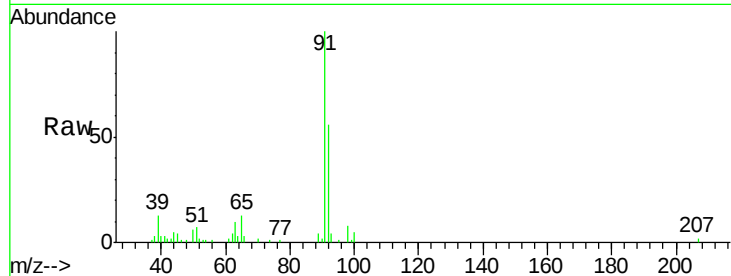
MW-2DL

Tgt Ion: 92 Resp: 15489

Ion Ratio Lower Upper

92 100

91 180.9 141.0 211.6



#55

1,1,2-Trichloroethane

Concen: 1.407 ug/l

RT: 10.50 min Scan# 2715

Delta R.T. -0.03 min

Lab File: VN062452.D

Acq: 9 Jul 2020 13:04

Tgt Ion: 97 Resp: 3576

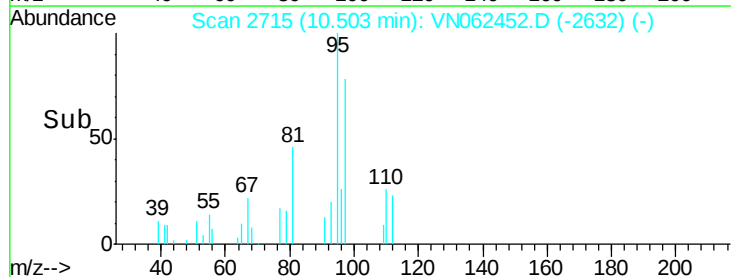
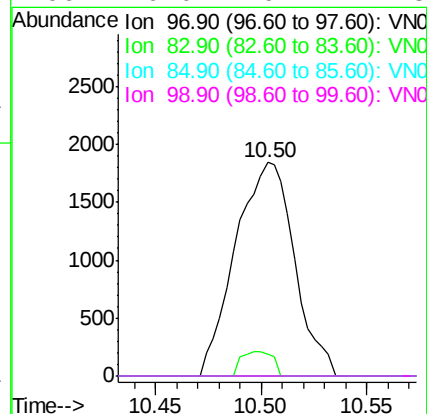
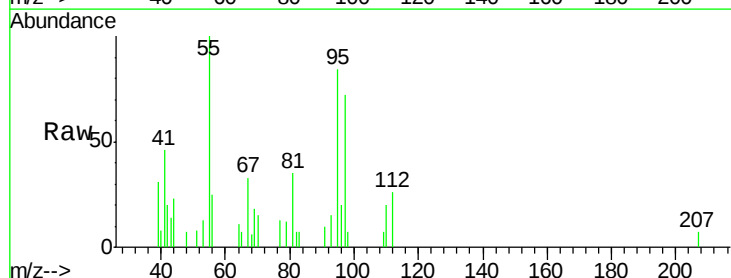
Ion Ratio Lower Upper

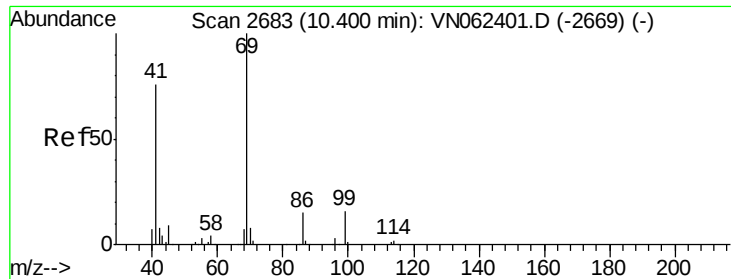
97 100

83 10.4 71.0 106.4#

85 0.0 46.2 69.4#

99 0.0 49.7 74.5#





#56

Ethyl methacrylate

Concen: 1.801 ug/l

RT: 10.41 min Scan# 2685

Delta R.T. 0.01 min

Lab File: VN062452.D

Acq: 9 Jul 2020 13:04

Instrument :

MSVOA_N

ClientSampled :

MW-2DL

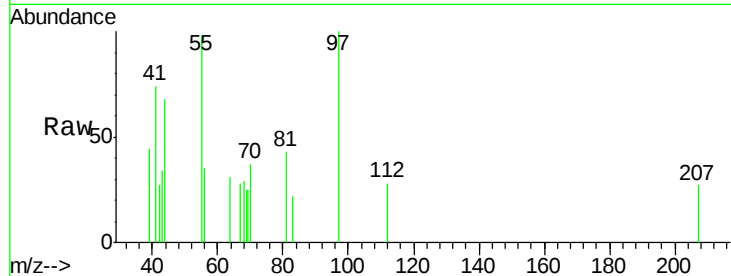
Tgt Ion: 69 Resp: 430

Ion Ratio Lower Upper

69 100

41 119.3 59.7 89.5#

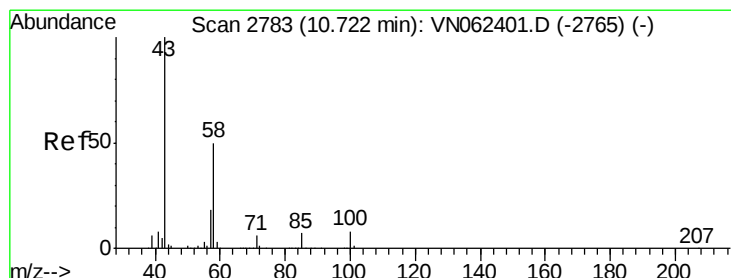
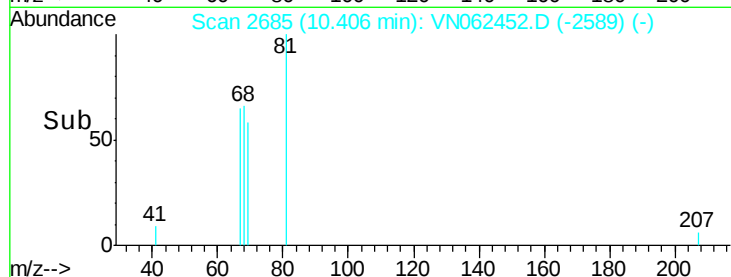
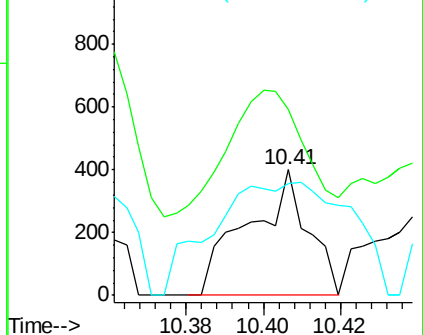
39 206.3 30.6 45.8#



Abundance Ion 69.00 (68.70 to 69.70): VN062401.D (-2669) (-)

Ion 41.00 (40.70 to 41.70): VN062401.D (-2669) (-)

Ion 39.00 (38.70 to 39.70): VN062401.D (-2669) (-)



#59

2-Hexanone

Concen: 0.436 ug/l

RT: 10.77 min Scan# 2798

Delta R.T. 0.05 min

Lab File: VN062452.D

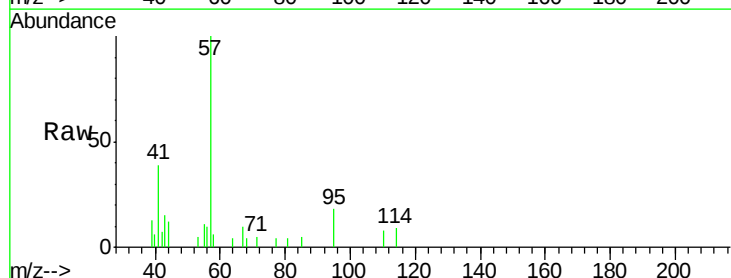
Acq: 9 Jul 2020 13:04

Tgt Ion: 43 Resp: 1326

Ion Ratio Lower Upper

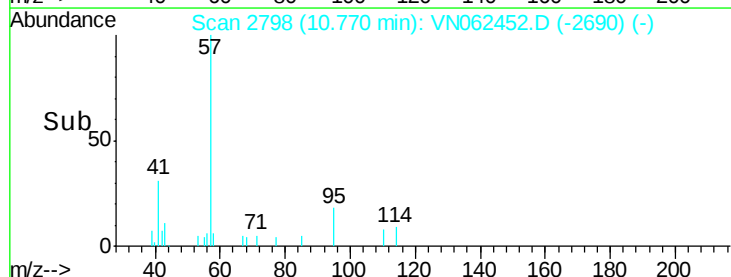
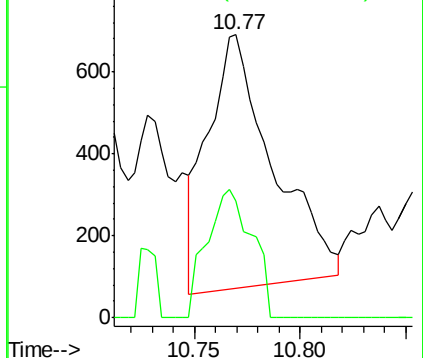
43 100

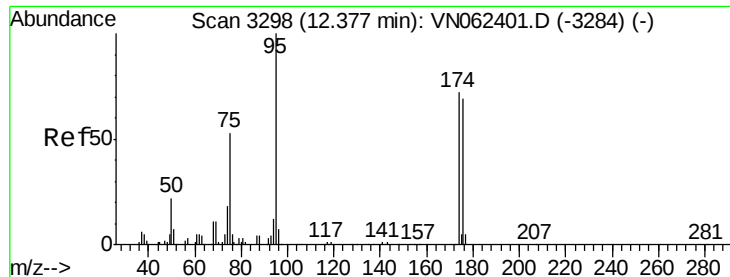
58 35.1 25.1 75.2



Abundance Ion 43.00 (42.70 to 43.70): VN062401.D (-2765) (-)

Ion 58.00 (57.70 to 58.70): VN062401.D (-2765) (-)





#62

4-Bromofluorobenzene

Concen: 57.206 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN062452.D

Acq: 9 Jul 2020 13:04

Instrument :

MSVOA_N

ClientSampled :

MW-2DL

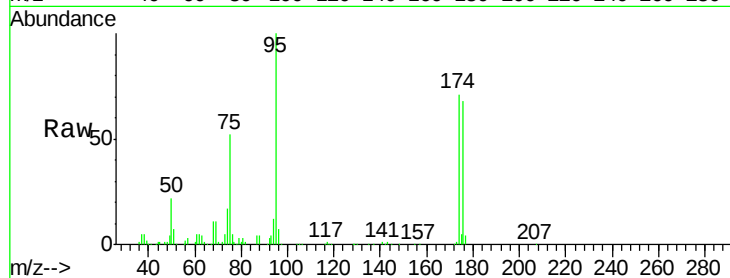
Tgt Ion: 95 Resp: 192254

Ion Ratio Lower Upper

95 100

174 69.1 0.0 141.6

176 67.1 0.0 137.2



Abundance Ion 94.90 (94.60 to 95.60): VN062401.D (-3284) (-)

Ion 173.80 (173.50 to 174.50): VN062401.D (-3284) (-)

Ion 175.80 (175.50 to 176.50): VN062401.D (-3284) (-)

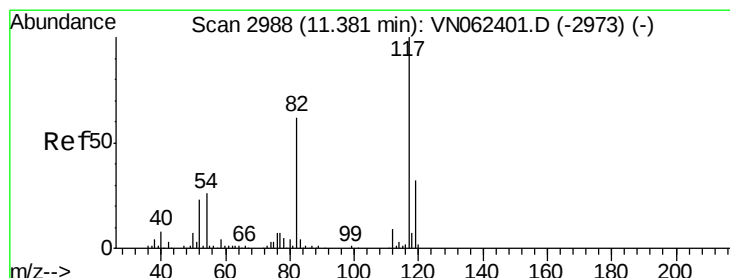
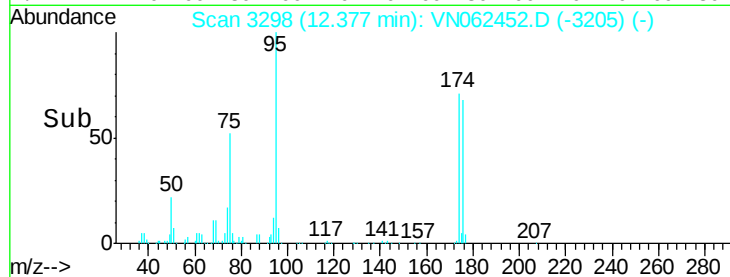
12.38

100000

50000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. 0.00 min

Lab File: VN062452.D

Acq: 9 Jul 2020 13:04

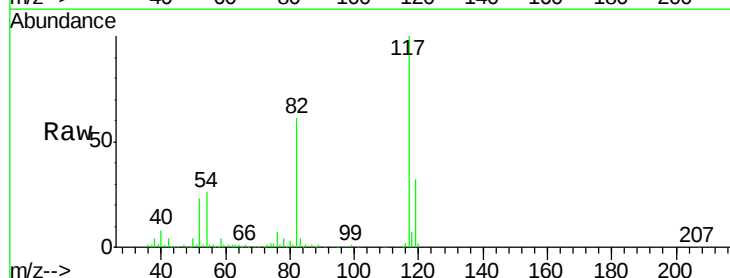
Tgt Ion: 117 Resp: 365517

Ion Ratio Lower Upper

117 100

82 60.8 49.6 74.4

119 31.6 25.4 38.0



Abundance Ion 116.90 (116.60 to 117.60): VN062401.D (-2973) (-)

Ion 82.00 (81.70 to 82.70): VN062401.D (-2973) (-)

Ion 118.90 (118.60 to 119.60): VN062401.D (-2973) (-)

11.38

250000

200000

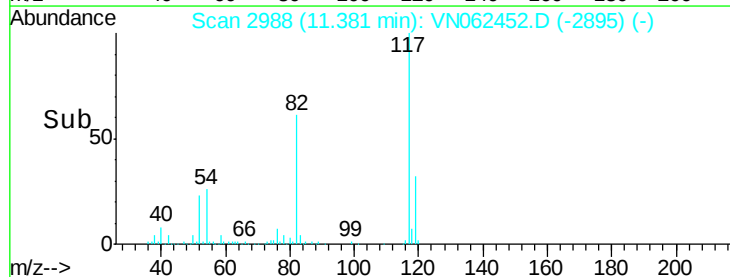
150000

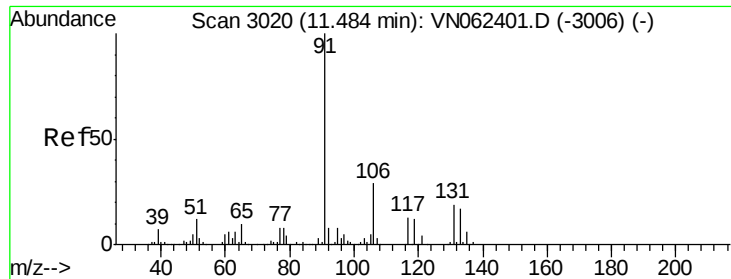
100000

50000

0

Time-->

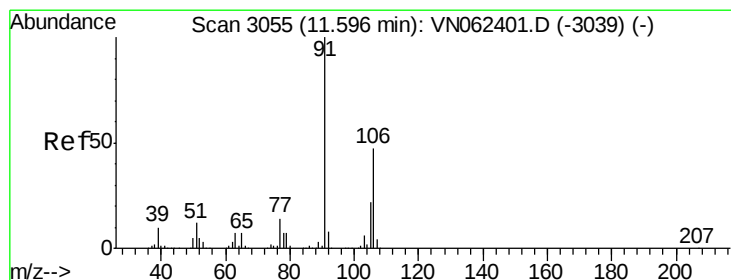
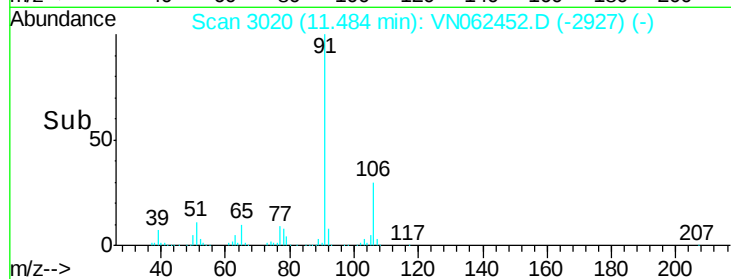
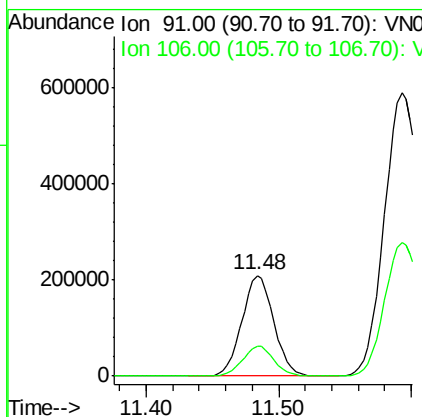
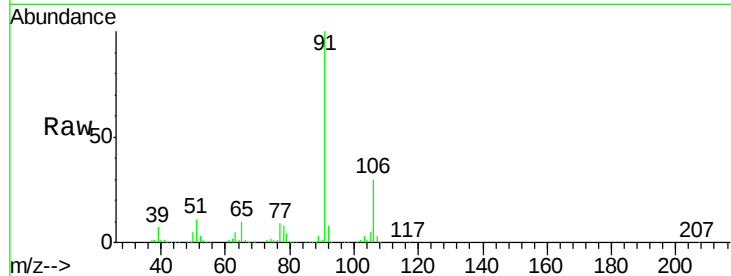




#67
Ethyl Benzene
Concen: 26.174 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN062452.D
Acq: 9 Jul 2020 13:04

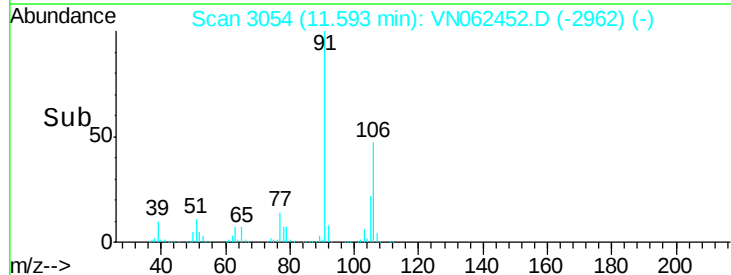
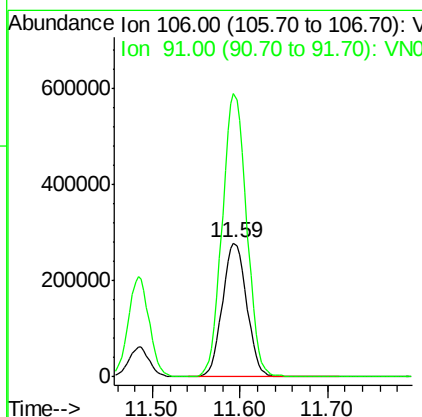
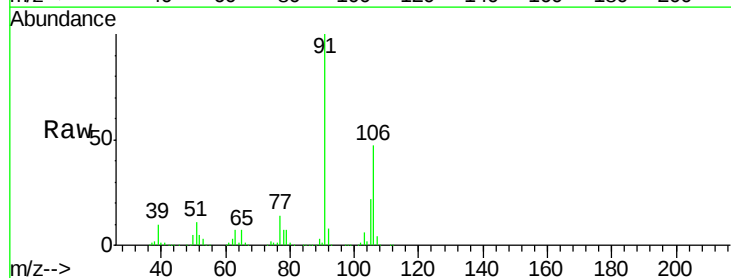
Instrument :
MSVOA_N
ClientSampled :
MW-2DL

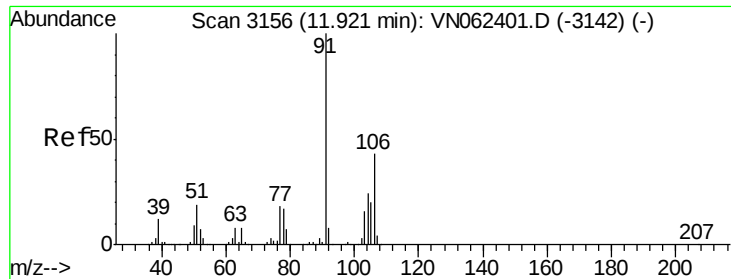
Tgt Ion: 91 Resp: 349018
Ion Ratio Lower Upper
91 100
106 29.8 23.4 35.2



#68
m/p-Xylenes
Concen: 114.337 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN062452.D
Acq: 9 Jul 2020 13:04

Tgt Ion: 106 Resp: 539737
Ion Ratio Lower Upper
106 100
91 211.8 172.4 258.6

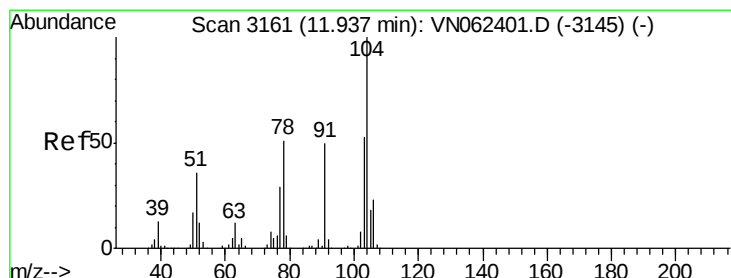
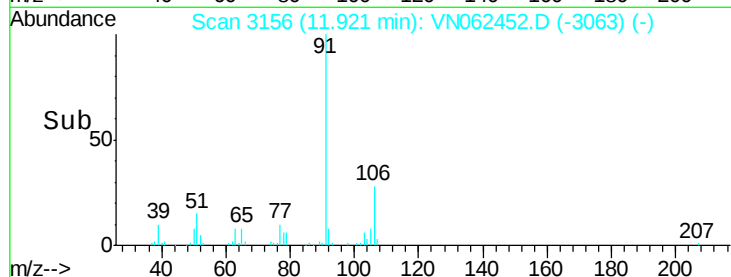
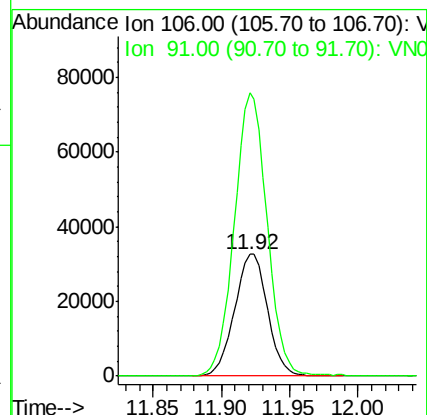
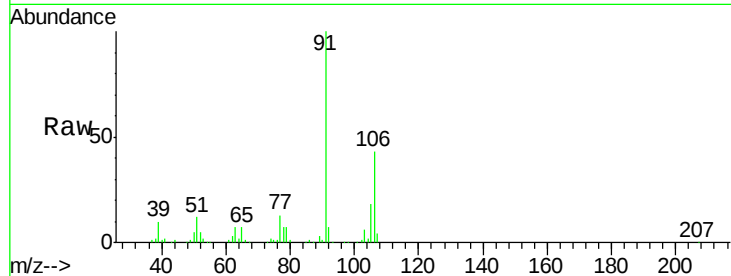




#69
o-Xylene
Concen: 11.934 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN062452.D
Acq: 9 Jul 2020 13:04

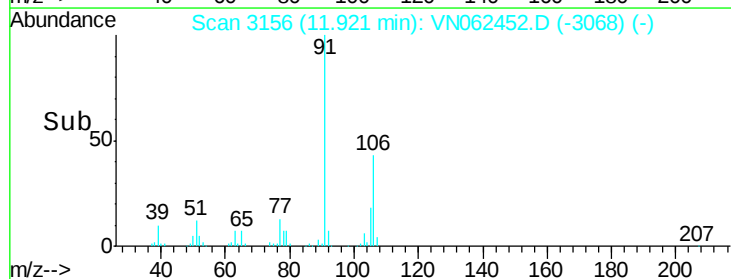
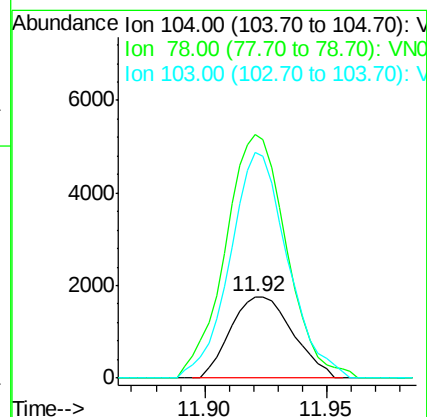
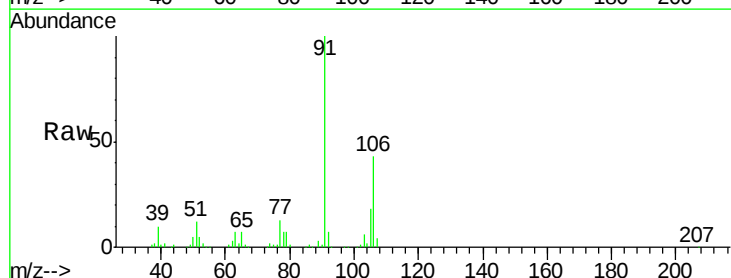
Instrument :
MSVOA_N
ClientSampled :
MW-2DL

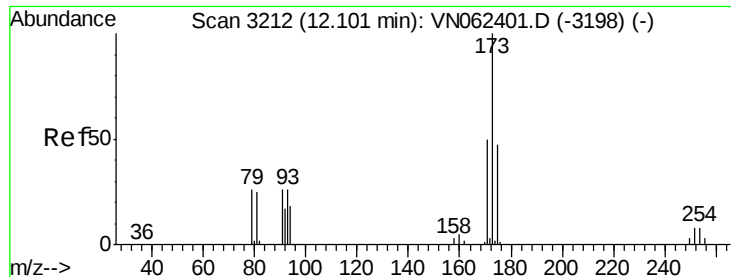
Tgt Ion:106 Resp: 54849
Ion Ratio Lower Upper
106 100
91 230.1 113.8 341.4



#70
Styrene
Concen: 0.410 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.02 min
Lab File: VN062452.D
Acq: 9 Jul 2020 13:04

Tgt Ion:104 Resp: 3114
Ion Ratio Lower Upper
104 100
78 294.0 44.2 66.4#
103 256.2 44.4 66.6#





#71

Bromoform

Concen: 0.723 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.28 min

Lab File: VN062452.D

Acq: 9 Jul 2020 13:04

Instrument :

MSVOA_N

ClientSampleId :

MW-2DL

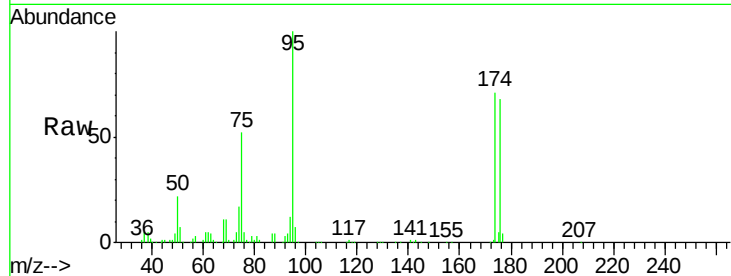
Tgt Ion:173 Resp: 1388

Ion Ratio Lower Upper

173 100

175 591.2 23.7 71.1#

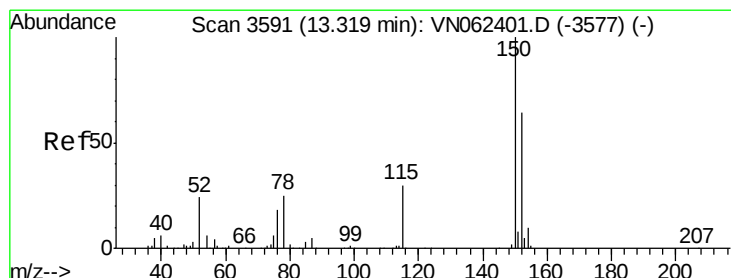
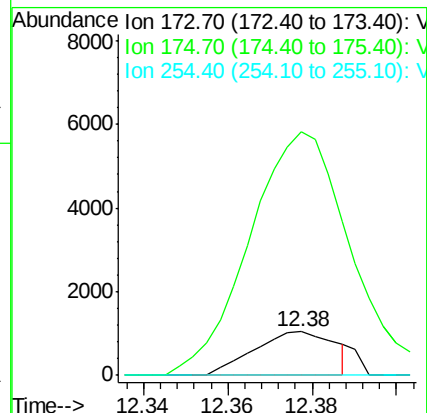
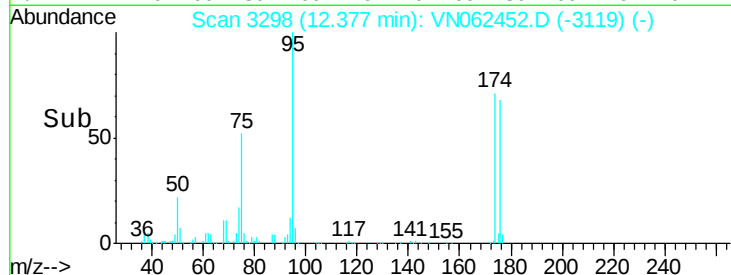
254 0.0 0.0 0.0



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# 3590

Delta R.T. -0.00 min

Lab File: VN062452.D

Acq: 9 Jul 2020 13:04

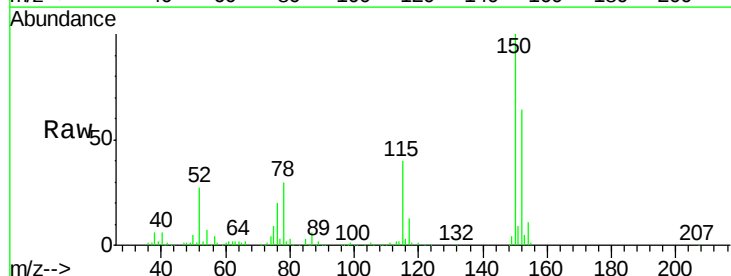
Tgt Ion:152 Resp: 155781

Ion Ratio Lower Upper

152 100

115 69.8 31.4 94.2

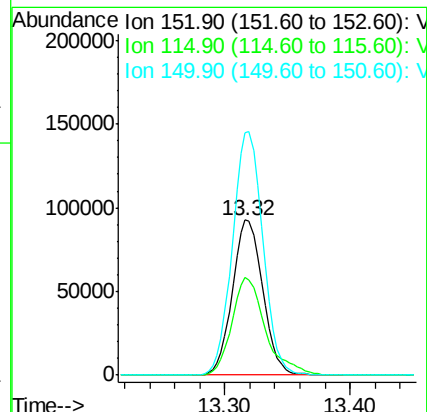
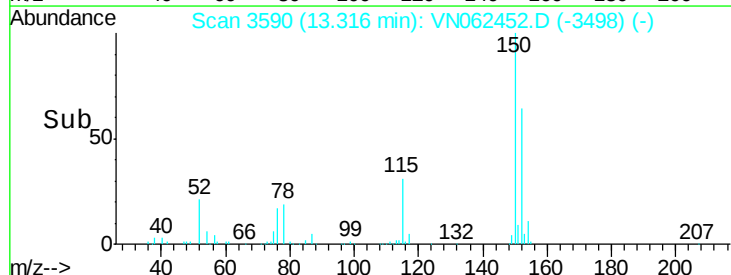
150 157.4 0.0 347.4

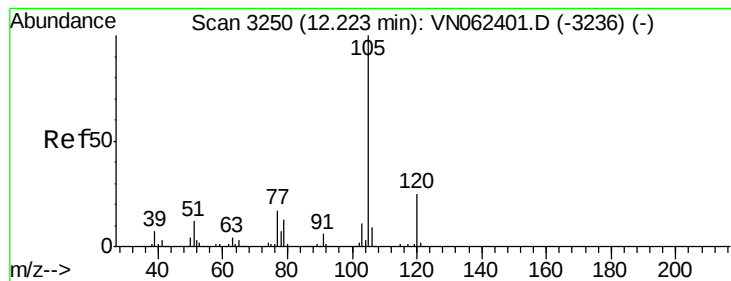


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 2.916 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN062452.D

Acq: 9 Jul 2020 13:04

Instrument :

MSVOA_N

ClientSampleId :

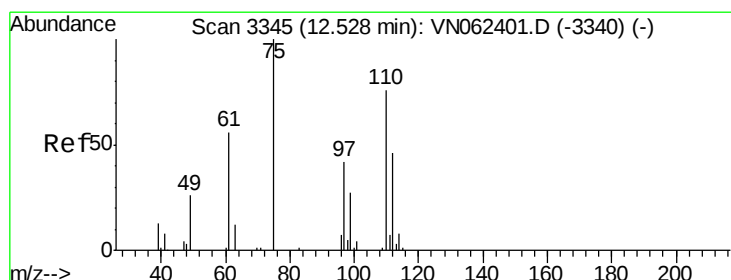
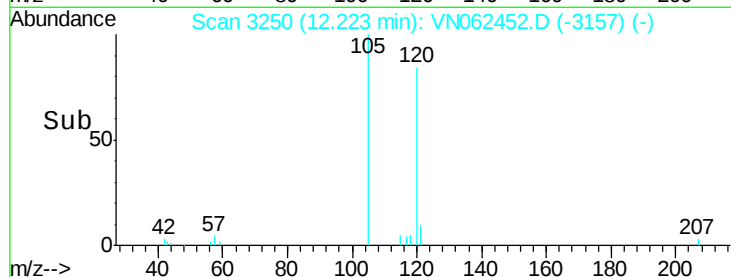
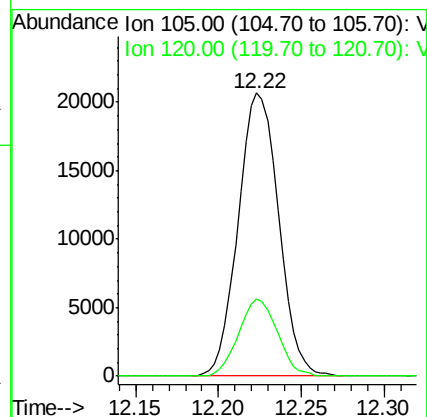
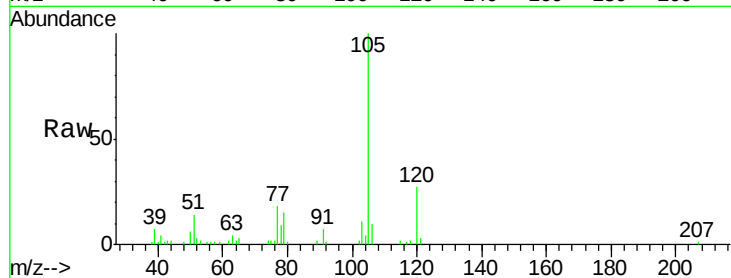
MW-2DL

Tgt Ion: 105 Resp: 35147

Ion Ratio Lower Upper

105 100

120 26.0 12.7 38.1



#76

1,2,3-Trichloropropane

Concen: 26.262 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. -0.15 min

Lab File: VN062452.D

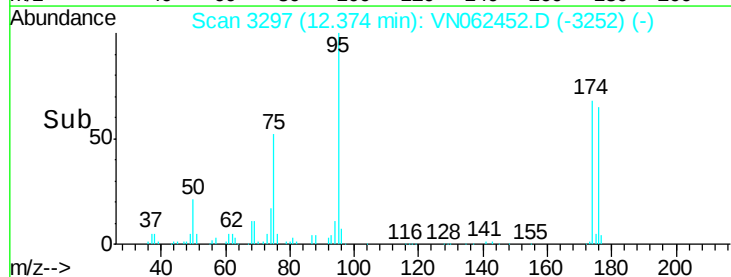
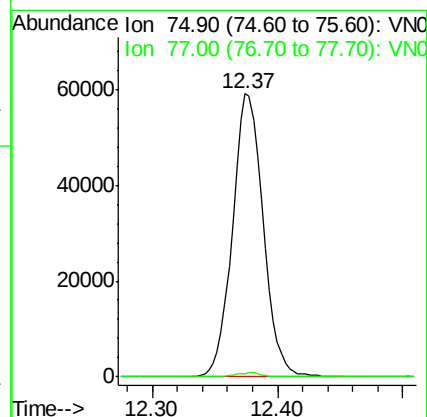
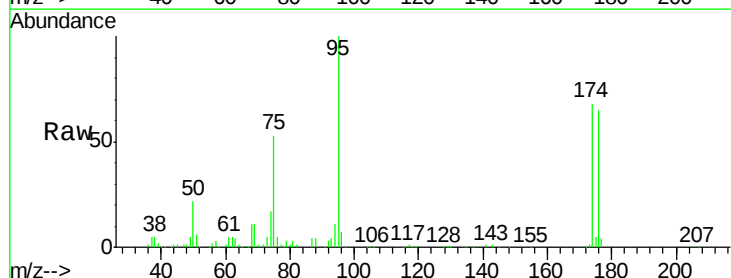
Acq: 9 Jul 2020 13:04

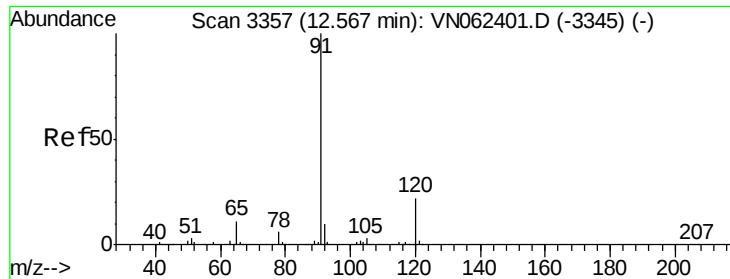
Tgt Ion: 75 Resp: 100383

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#





#78

n-propylbenzene

Concen: 5.642 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN062452.D

Acq: 9 Jul 2020 13:04

Instrument :

MSVOA_N

ClientSampled :

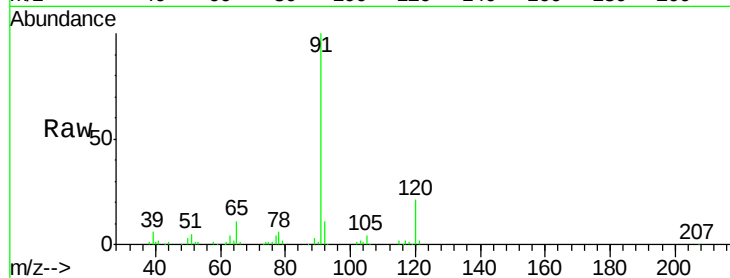
MW-2DL

Tgt Ion: 91 Resp: 79452

Ion Ratio Lower Upper

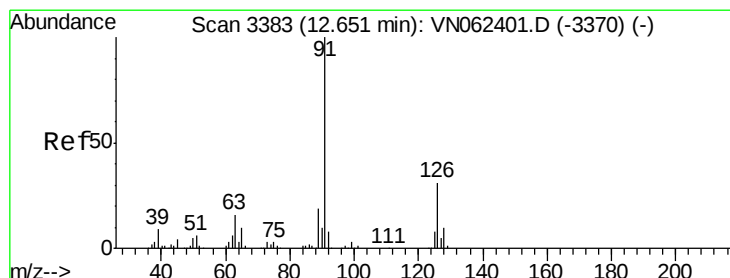
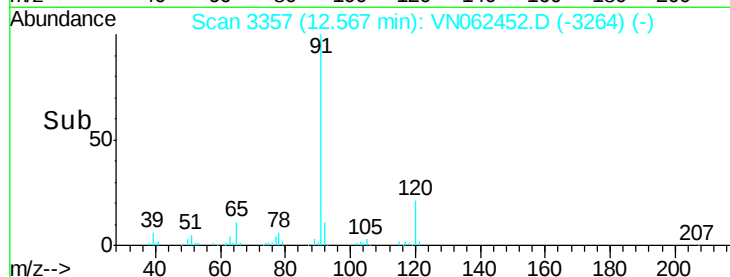
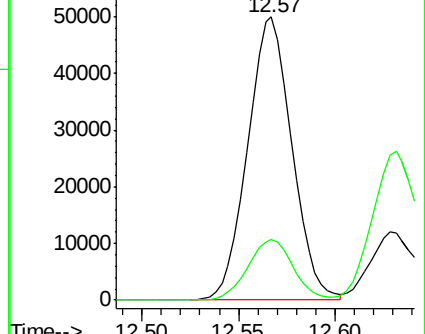
91 100

120 21.8 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 1.460 ug/l

RT: 12.66 min Scan# 3387

Delta R.T. 0.01 min

Lab File: VN062452.D

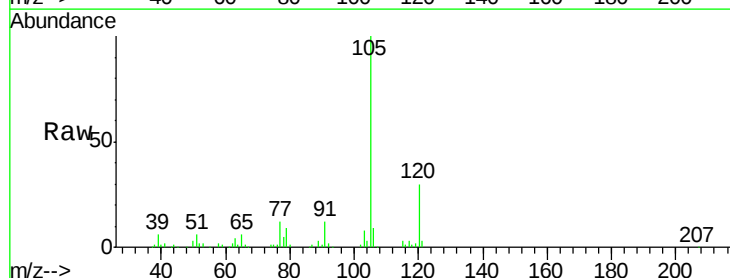
Acq: 9 Jul 2020 13:04

Tgt Ion: 91 Resp: 12477

Ion Ratio Lower Upper

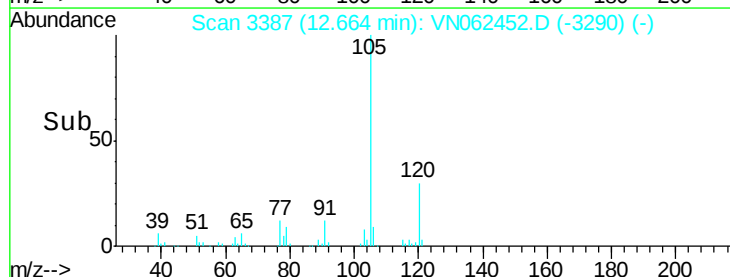
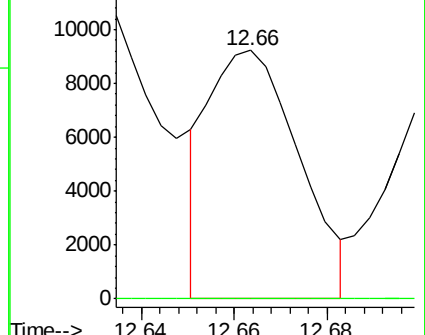
91 100

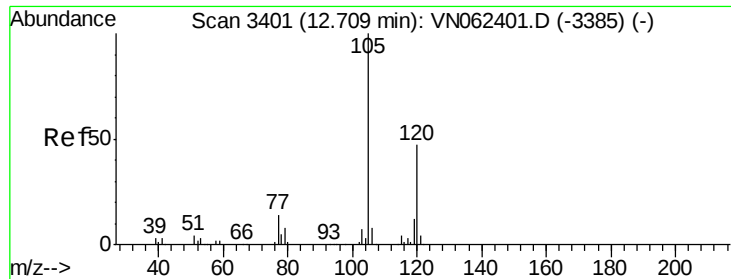
126 0.0 15.6 46.7#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

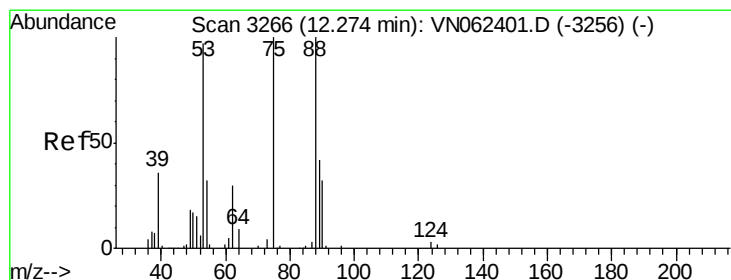
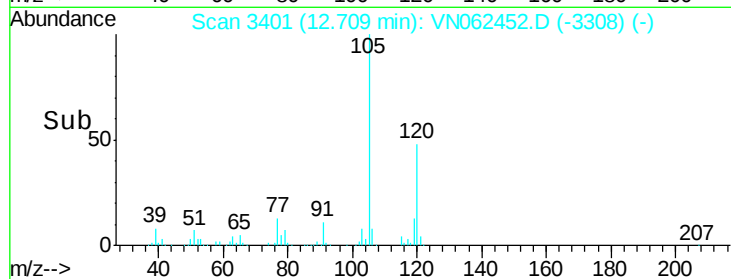
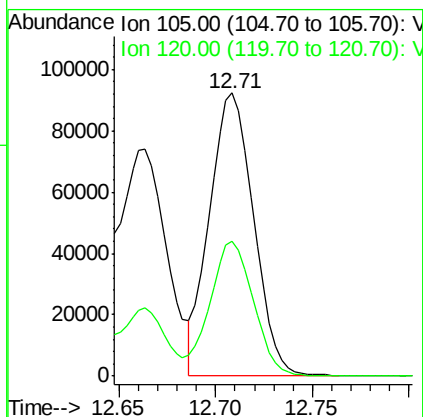
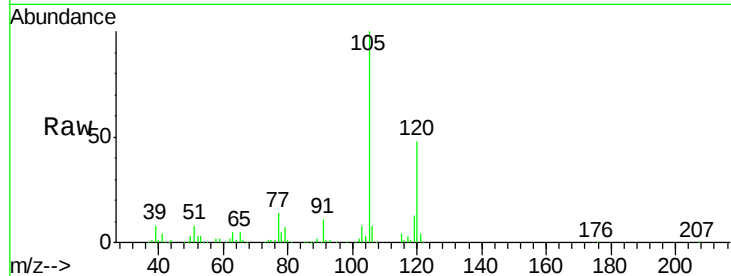




#80
 1,3,5-Trimethylbenzene
 Concen: 14.747 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. 0.00 min
 Lab File: VN062452.D
 Acq: 9 Jul 2020 13:04

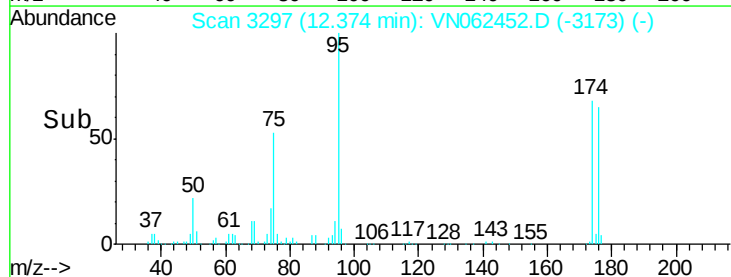
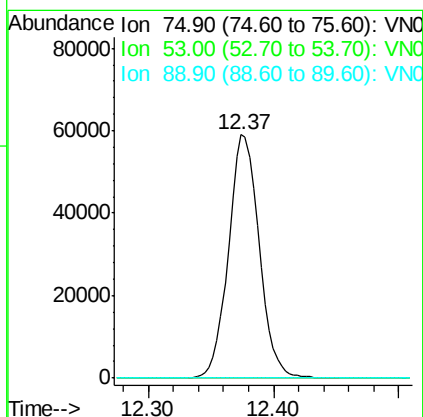
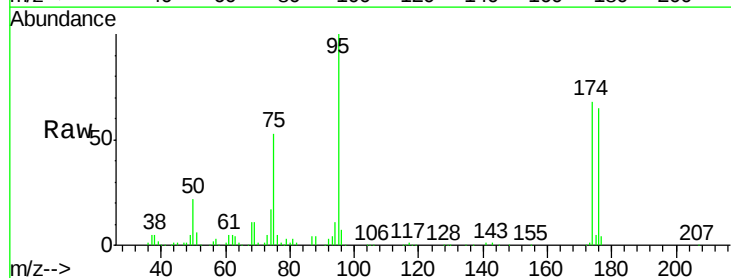
Instrument :
 MSVOA_N
 ClientSampled :
 MW-2DL

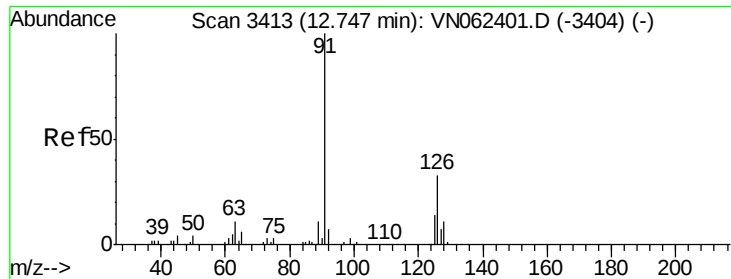
Tgt Ion: 105 Resp: 145735
 Ion Ratio Lower Upper
 105 100
 120 47.7 23.4 70.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.293 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. 0.10 min
 Lab File: VN062452.D
 Acq: 9 Jul 2020 13:04

Tgt Ion: 75 Resp: 100383
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.2 118.8#
 89 0.0 34.6 52.0#





#82

4-Chlorotoluene

Concen: 1.994 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.04 min

Lab File: VN062452.D

Acq: 9 Jul 2020 13:04

Instrument :

MSVOA_N

ClientSampled :

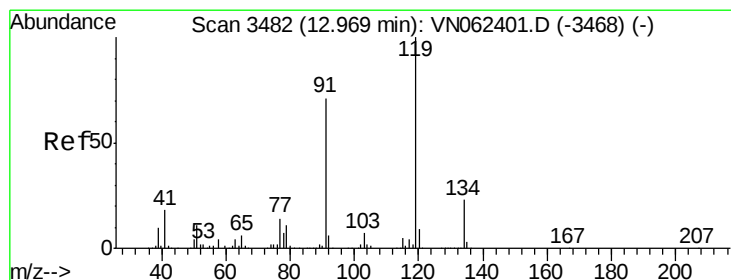
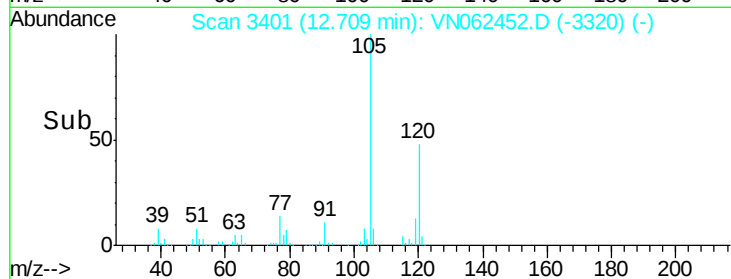
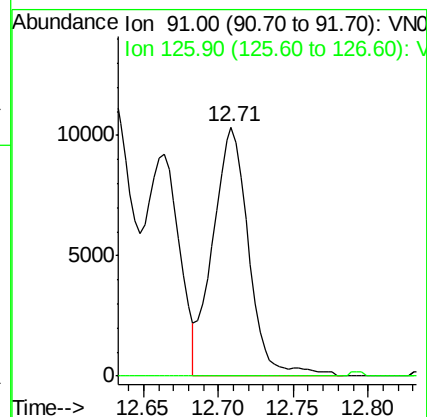
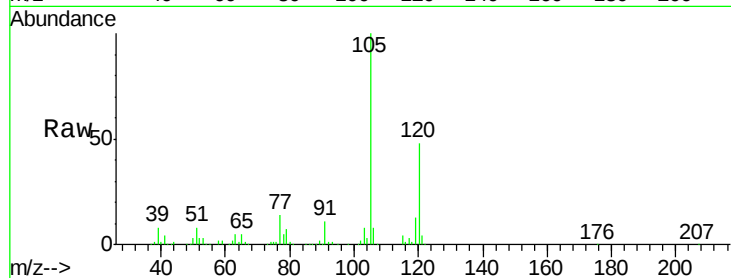
MW-2DL

Tgt Ion: 91 Resp: 17300

Ion Ratio Lower Upper

91 100

126 0.0 15.2 45.6#



#83

tert-Butylbenzene

Concen: 8.498 ug/l

RT: 13.01 min Scan# 3496

Delta R.T. 0.05 min

Lab File: VN062452.D

Acq: 9 Jul 2020 13:04

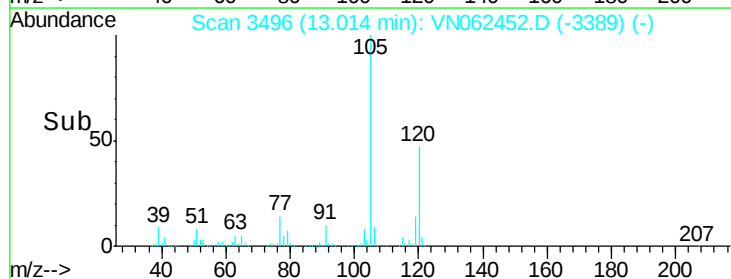
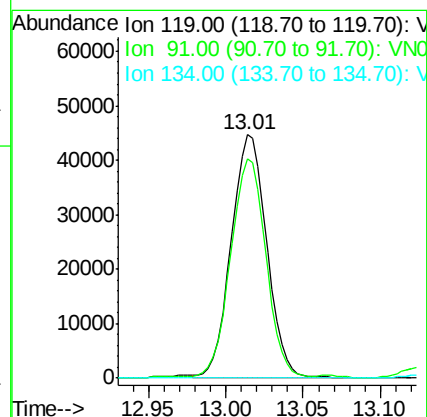
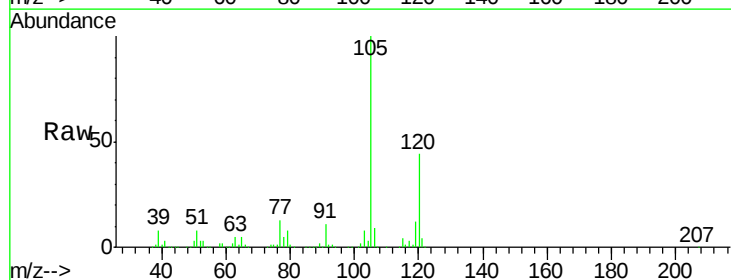
Tgt Ion: 119 Resp: 71269

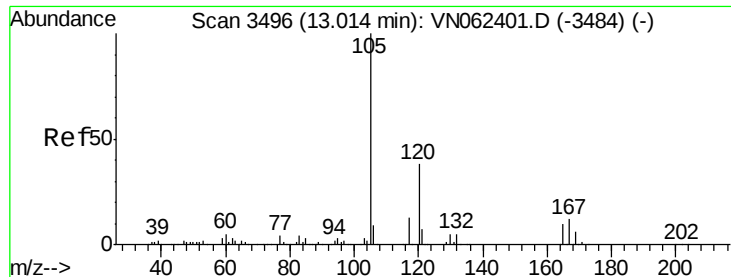
Ion Ratio Lower Upper

119 100

91 87.5 34.8 104.3

134 0.0 11.7 35.0#

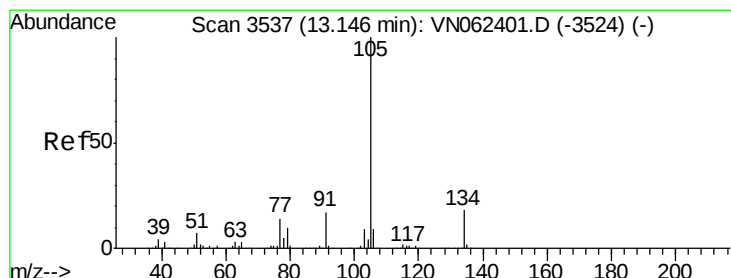
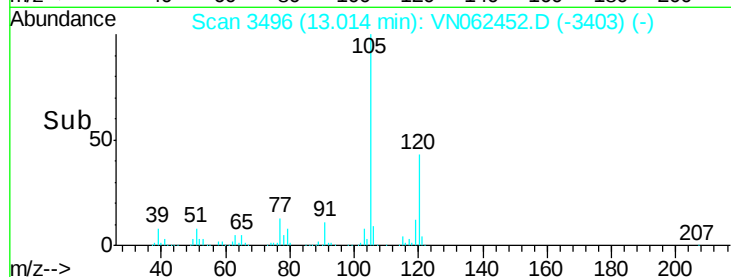
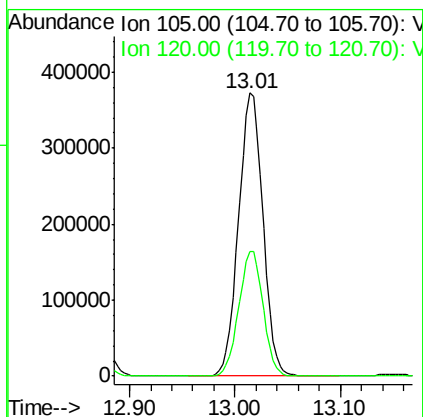
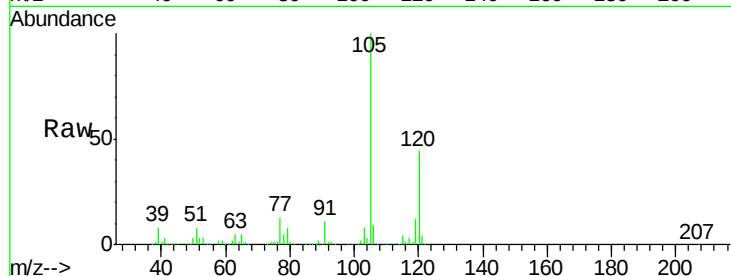




#84
 1,2,4-Trimethylbenzene
 Concen: 60.827 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. 0.00 min
 Lab File: VN062452.D
 Acq: 9 Jul 2020 13:04

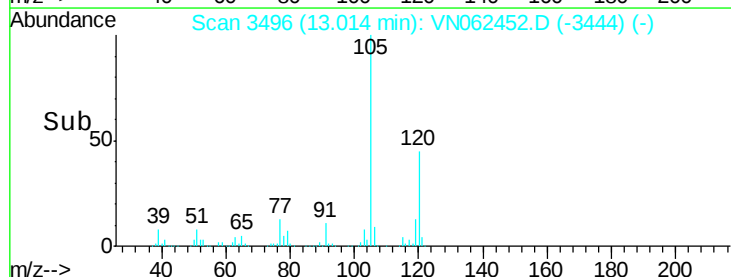
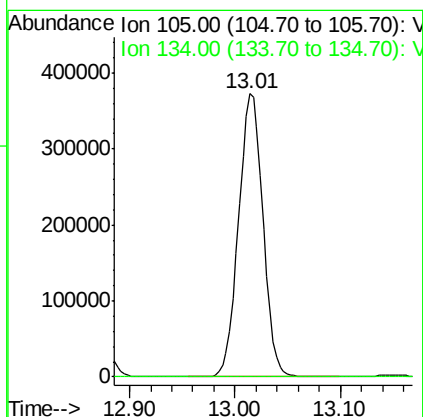
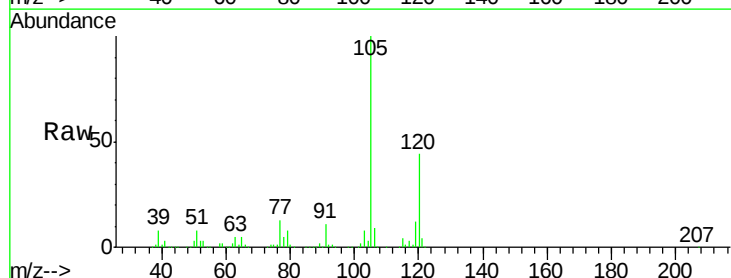
Instrument :
 MSVOA_N
 ClientSampled :
 MW-2DL

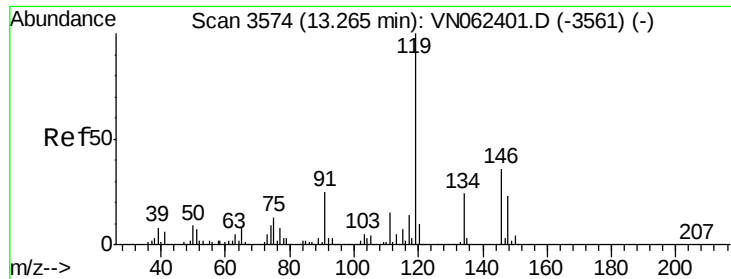
Tgt Ion:105 Resp: 597481
 Ion Ratio Lower Upper
 105 100
 120 44.0 21.6 64.8



#85
 sec-Butylbenzene
 Concen: 53.766 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.13 min
 Lab File: VN062452.D
 Acq: 9 Jul 2020 13:04

Tgt Ion:105 Resp: 597481
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.3 28.0#

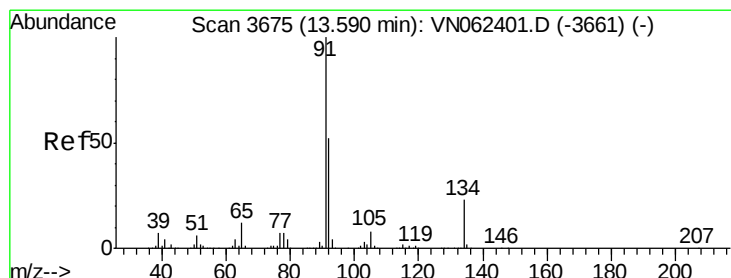
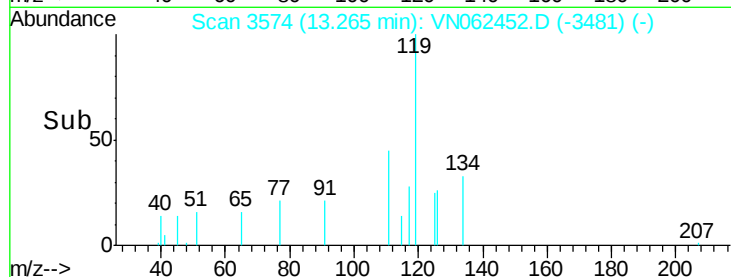
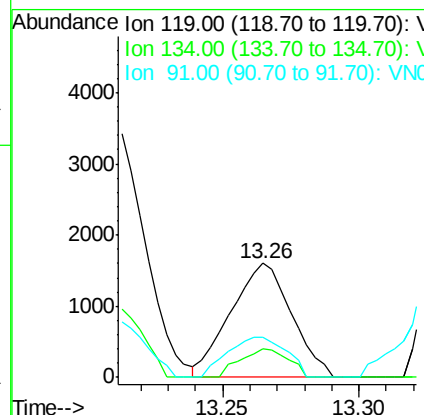
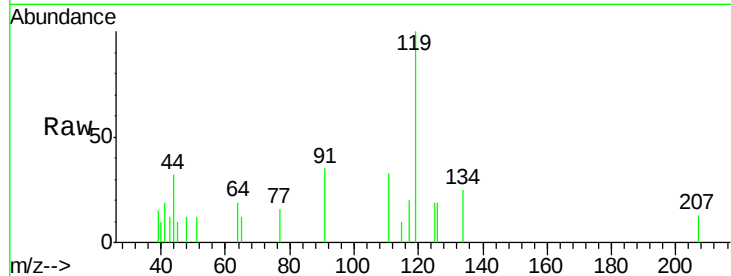




#86
 p-Isopropyltoluene
 Concen: 0.259 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. 0.00 min
 Lab File: VN062452.D
 Acq: 9 Jul 2020 13:04

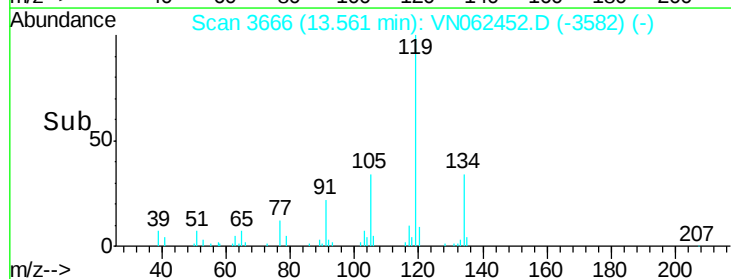
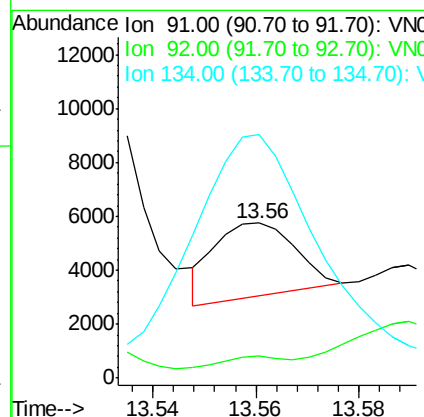
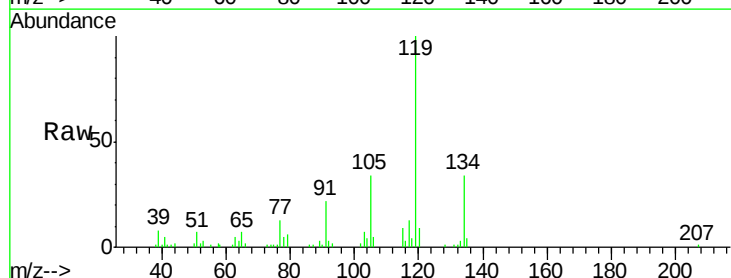
Instrument :
 MSVOA_N
 ClientSampled :
 MW-2DL

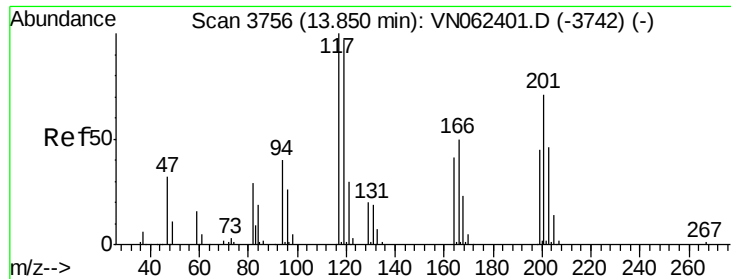
Tgt Ion: 119 Resp: 2482
 Ion Ratio Lower Upper
 119 100
 134 19.7 12.4 37.0
 91 0.0 12.4 37.4#



#89
 n-Butylbenzene
 Concen: 0.354 ug/l
 RT: 13.56 min Scan# 3666
 Delta R.T. -0.03 min
 Lab File: VN062452.D
 Acq: 9 Jul 2020 13:04

Tgt Ion: 91 Resp: 2994
 Ion Ratio Lower Upper
 91 100
 92 29.5 25.9 77.7
 134 569.5 11.6 34.8#

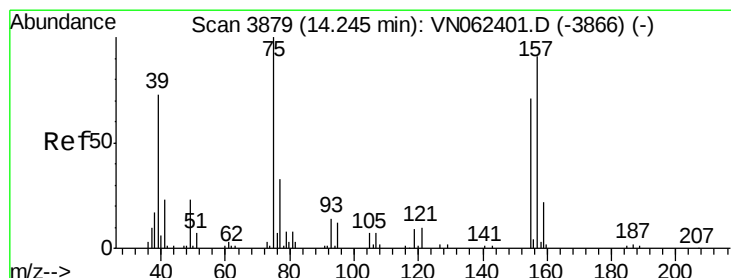
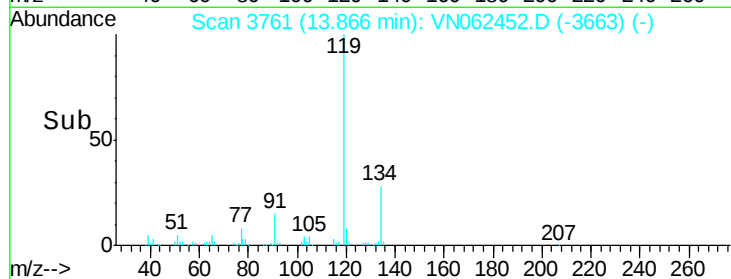
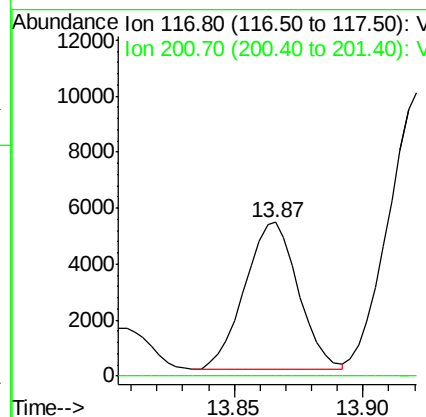
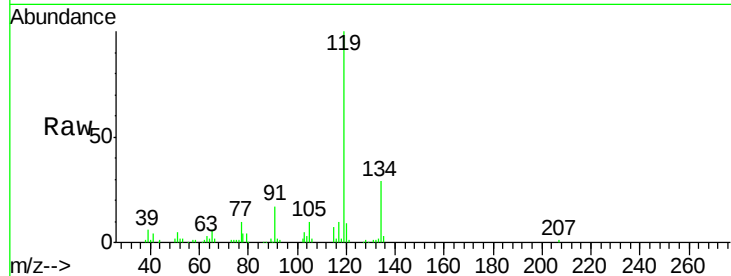




#90
Hexachloroethane
Concen: 4.038 ug/l
RT: 13.87 min Scan# 3761
Delta R.T. 0.02 min
Lab File: VN062452.D
Acq: 9 Jul 2020 13:04

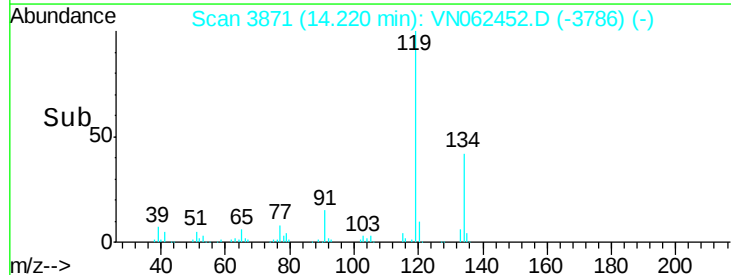
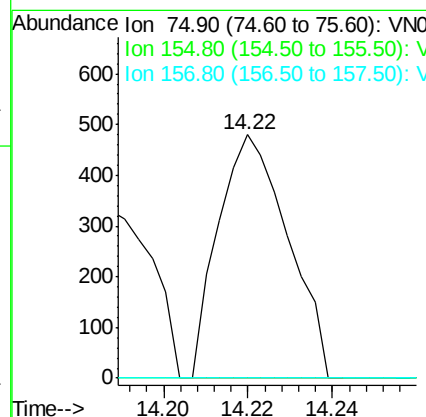
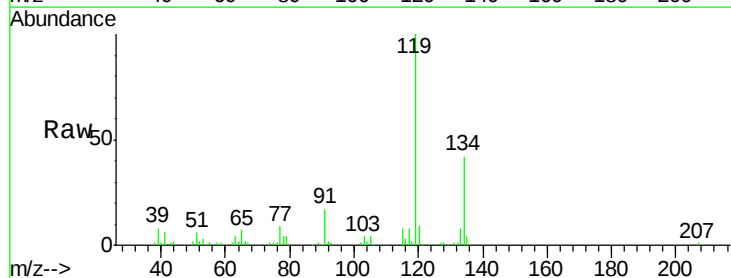
Instrument :
MSVOA_N
ClientSampled :
MW-2DL

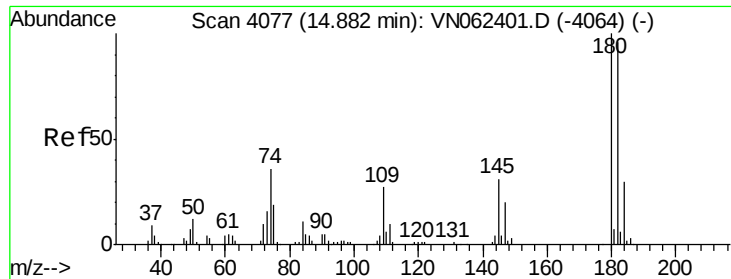
Tgt Ion: 117 Resp: 7619
Ion Ratio Lower Upper
117 100
201 0.0 35.4 106.2#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.744 ug/l
RT: 14.22 min Scan# 3871
Delta R.T. -0.03 min
Lab File: VN062452.D
Acq: 9 Jul 2020 13:04

Tgt Ion: 75 Resp: 550
Ion Ratio Lower Upper
75 100
155 0.0 35.2 105.6#
157 0.0 45.8 137.3#

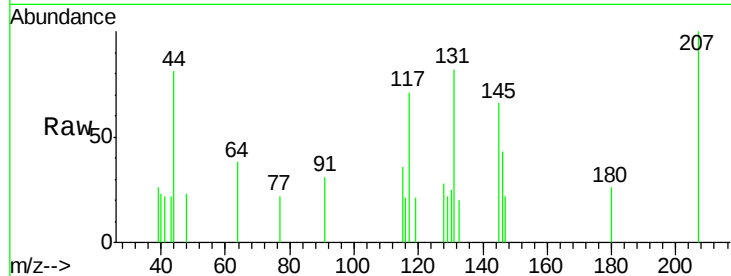




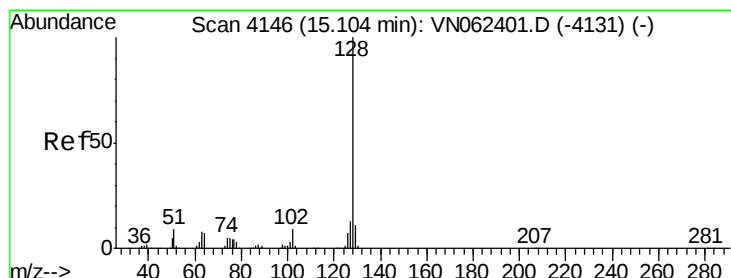
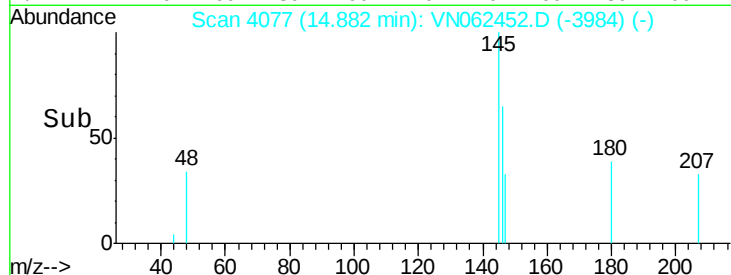
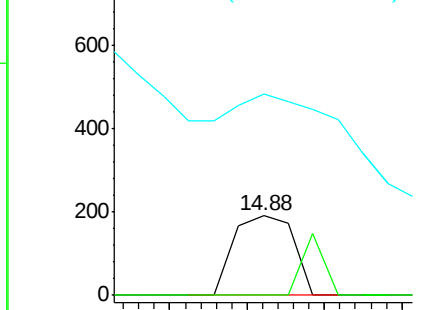
#93
 1,2,4-Trichlorobenzene
 Concen: Below Cal
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN062452.D
 Acq: 9 Jul 2020 13:04

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2DL

Tgt Ion:180 Resp: 102
 Ion Ratio Lower Upper
 180 100
 182 28.4 48.4 145.2#
 145 0.0 15.5 46.5#

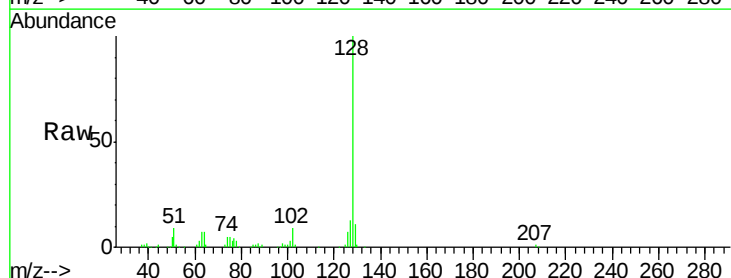


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

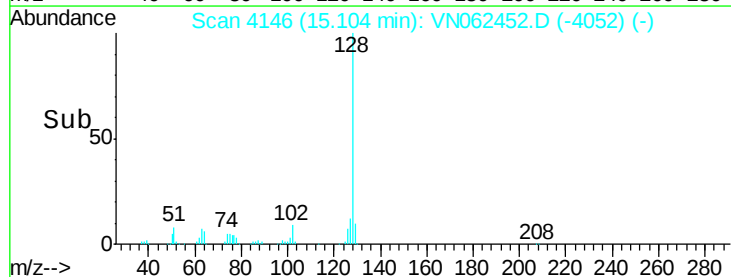
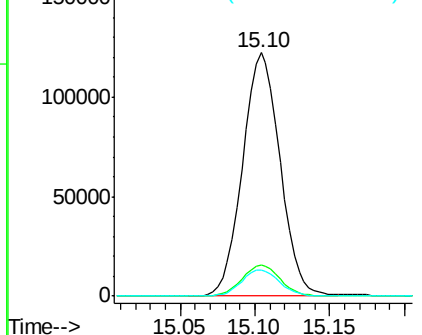


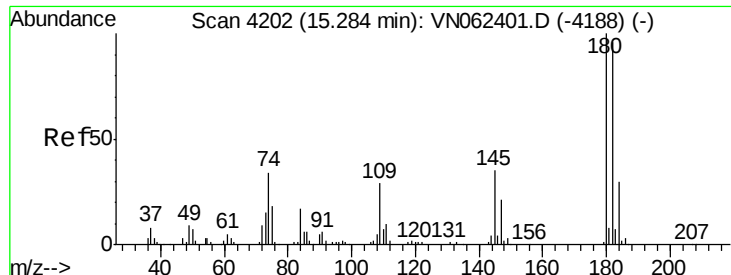
#95
 Naphthalene
 Concen: 37.250 ug/l
 RT: 15.10 min Scan# 4146
 Delta R.T. 0.00 min
 Lab File: VN062452.D
 Acq: 9 Jul 2020 13:04

Tgt Ion:128 Resp: 213781
 Ion Ratio Lower Upper
 128 100
 127 12.9 10.2 15.2
 129 11.0 8.6 12.8



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

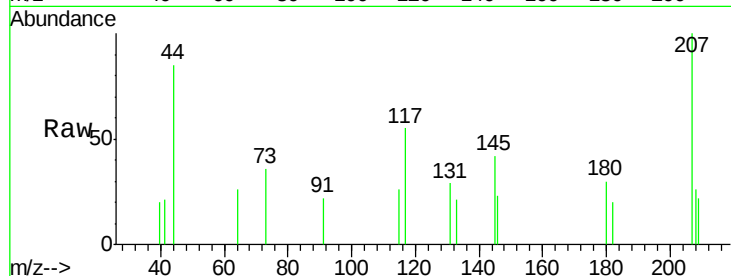




#96
 1,2,3-Trichlorobenzene
 Concen: 3.278 ug/l
 RT: 15.28 min Scan# 4202
 Delta R.T. 0.00 min
 Lab File: VN062452.D
 Acq: 9 Jul 2020 13:04

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2DL

Tgt Ion:180 Resp: 152
 Ion Ratio Lower Upper
 180 100
 182 38.8 47.8 143.4#
 145 0.0 17.0 50.9#



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

