

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101019\
 Data File : VN058662.D
 Acq On : 9 Oct 2019 23:34
 Operator : JC/SP
 Sample : K5184-08DL 5X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3DL

Quant Time: Oct 10 04:44:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	484183	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	760882	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	654978	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	276966	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	326086	46.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.18%	
35) Dibromofluoromethane	7.57	113	235538	50.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.02%	
50) Toluene-d8	10.08	98	930475	50.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.86%	
62) 4-Bromofluorobenzene	12.41	95	317021	47.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.98%	

Target Compounds

					Qvalue	
3) Chloromethane	2.04	50	3233	0.554	ug/l	96
11) Tert butyl alcohol	4.75	59	841	1.070	ug/l #	71
13) Acrolein	3.55	56	12982	51.927	ug/l #	1
14) Allyl chloride	4.41	41	11793	1.419	ug/l #	43
15) Acrylonitrile	5.02	53	3423	1.494	ug/l #	26
16) Acetone	3.79	43	30302	12.563	ug/l #	72
18) Methyl Acetate	4.56	43	226360	37.314	ug/l #	53
23) Vinyl Acetate	5.90	43	4761	0.353	ug/l #	74
25) 2-Butanone	6.81	43	3527	1.065	ug/l #	77
30) Chloroform	7.36	83	3048	0.299	ug/l	95
31) Cyclohexane	7.64	56	68409	6.986	ug/l #	88
36) 1,1-Dichloropropene	7.65	75	40844	5.614	ug/l #	50
37) Ethyl Acetate	6.84	43	2790	0.452	ug/l #	75
38) Carbon Tetrachloride	7.65	117	49054	7.470	ug/l #	16
39) Methylcyclohexane	9.07	83	45278	5.329	ug/l	93
40) Benzene	8.02	78	559469	26.752	ug/l	99
41) Methacrylonitrile	7.17	41	1582	0.557	ug/l #	16
43) Isopropyl Acetate	8.13	43	10341	0.892	ug/l #	63
47) Bromodichloromethane	9.39	83	2168	0.322	ug/l #	25
48) Methyl methacrylate	9.13	41	2118	0.401	ug/l #	51
52) Toluene	10.15	92	57926	4.401	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	10464	2.183	ug/l #	18
60) Dibromochloromethane	10.63	129	106	Below Cal	#	11
67) Ethyl Benzene	11.51	91	268723	11.395	ug/l	99
68) m/p-Xylenes	11.62	106	110469	12.451	ug/l	99
69) o-Xylene	11.95	106	8786	1.029	ug/l	85
71) Bromoform	12.41	173	916	0.993	ug/l #	1
73) Isopropylbenzene	12.25	105	403483	19.712	ug/l	100
76) 1,2,3-Trichloropropane	12.40	75	167581	33.127	ug/l #	100
78) n-propylbenzene	12.59	91	351329	15.235	ug/l	100
79) 2-Chlorotoluene	12.59	91	351329	24.683	ug/l #	42
80) 1,3,5-Trimethylbenzene	12.74	105	60417	3.526	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.25	75	5155	3.095	ug/l #	68
82) 4-Chlorotoluene	12.90	91	17059	1.175	ug/l #	43

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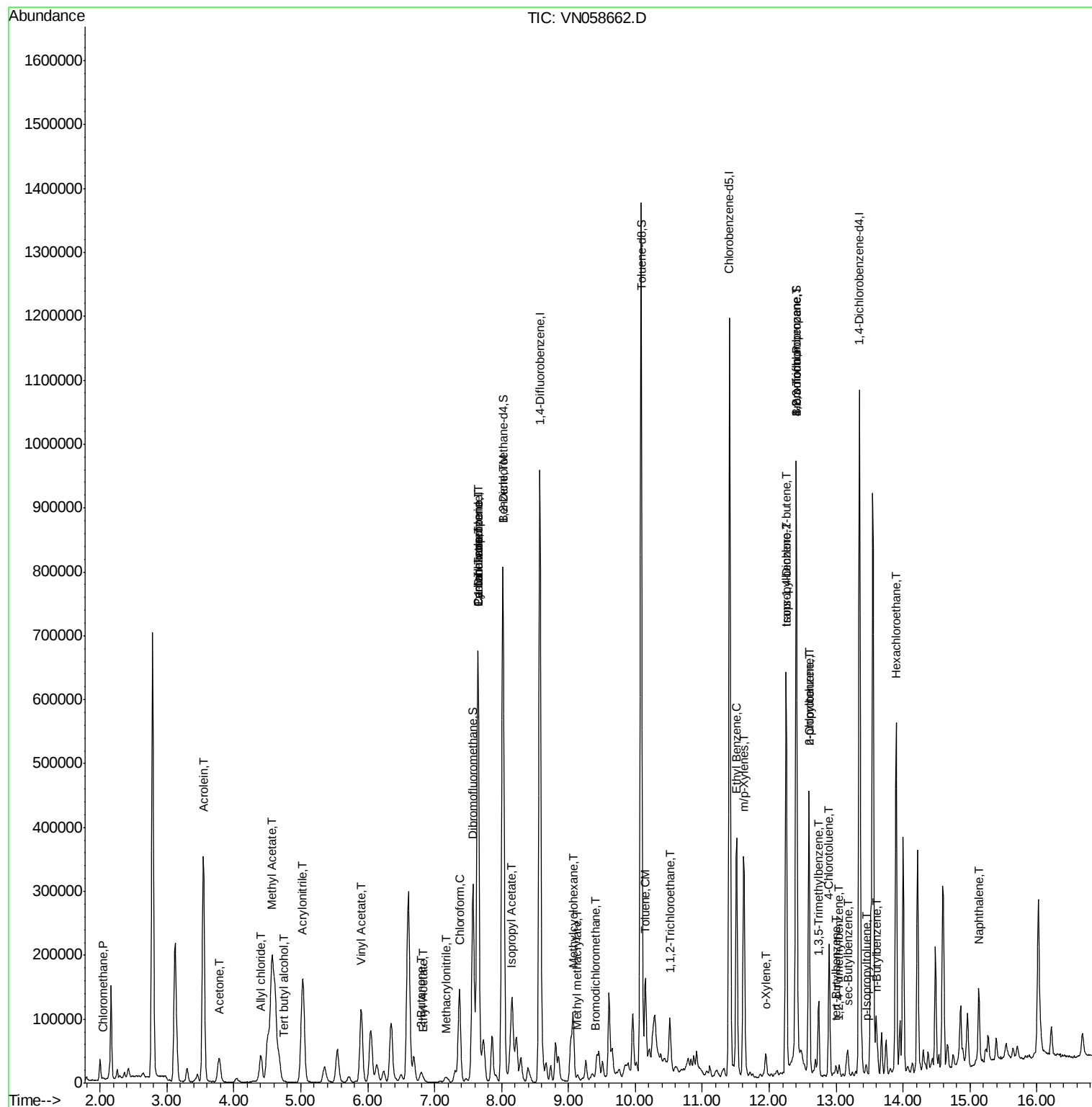
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) tert-Butylbenzene	13.00	119	7742	0.535	ug/l	91
84) 1,2,4-Trimethylbenzene	13.04	105	9293	0.541	ug/l	92
85) sec-Butylbenzene	13.18	105	22417	1.178	ug/l #	58
86) p-Isopropyltoluene	13.45	119	8247	0.492	ug/l	84
89) n-Butylbenzene	13.62	91	27129	1.788	ug/l #	68
90) Hexachloroethane	13.90	117	28249	11.224	ug/l #	11
95) Naphthalene	15.13	128	91303	6.722	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	62	Below Cal	#	1

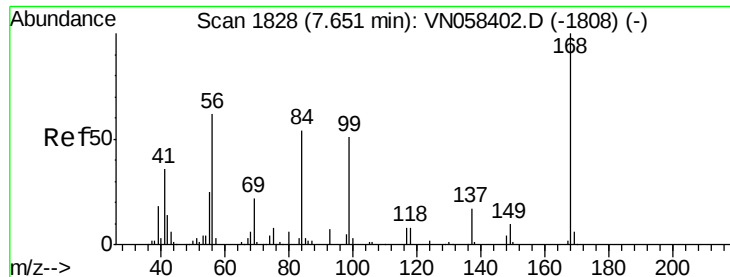
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN058662.D

Acq: 9 Oct 2019 23:34

Instrument :

MSVOA_N

ClientSampled :

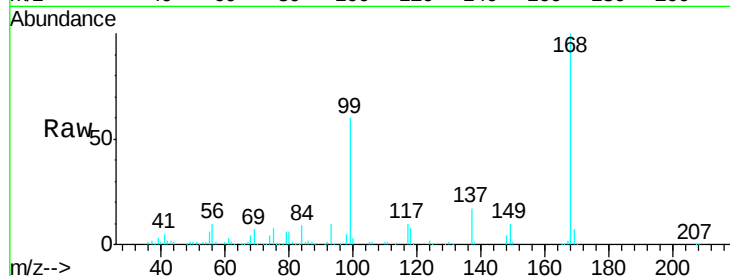
MW-3DL

Tgt Ion:168 Resp: 484183

Ion Ratio Lower Upper

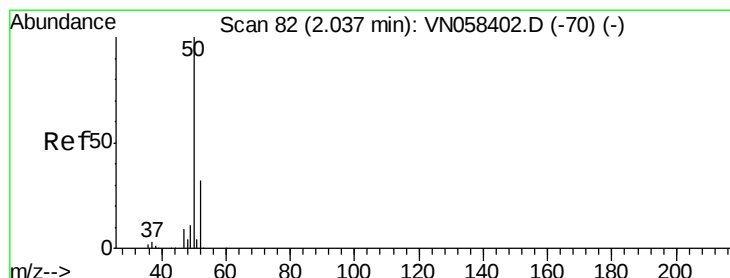
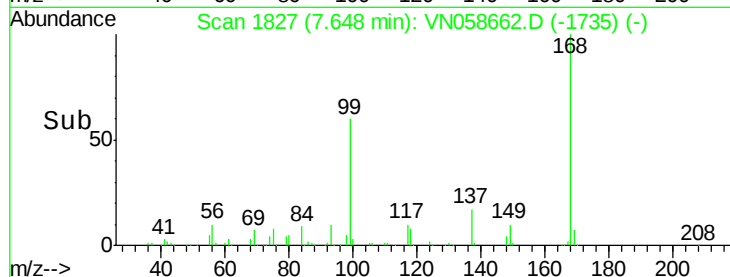
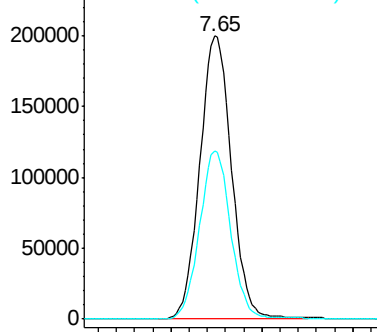
168 100

99 59.5 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#3

Chloromethane

Concen: 0.554 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058662.D

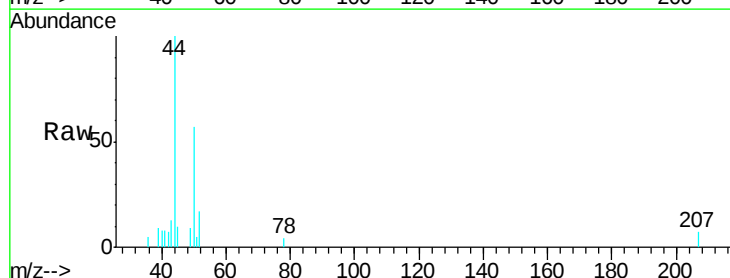
Acq: 9 Oct 2019 23:34

Tgt Ion: 50 Resp: 3233

Ion Ratio Lower Upper

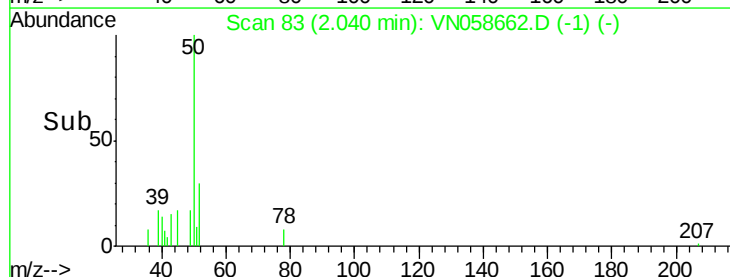
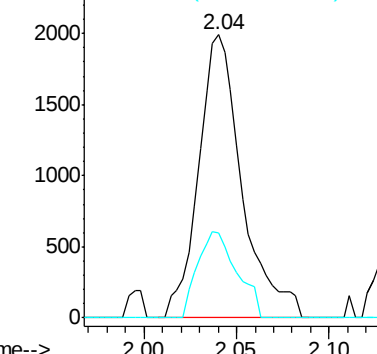
50 100

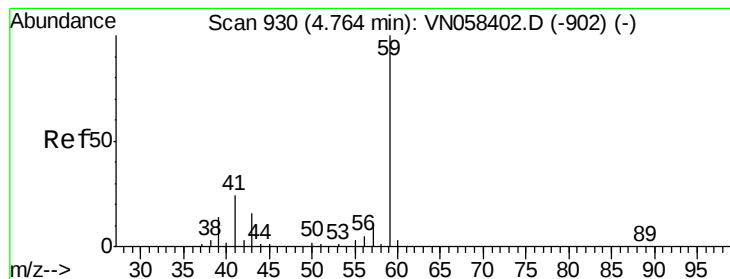
52 30.1 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



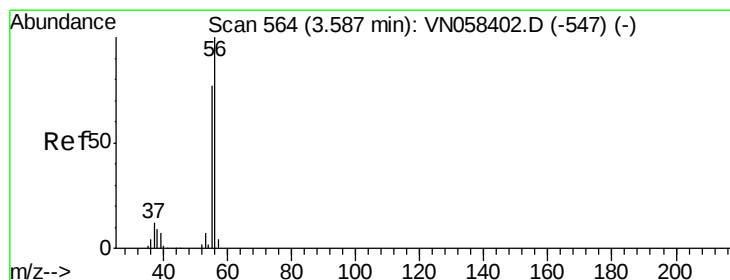
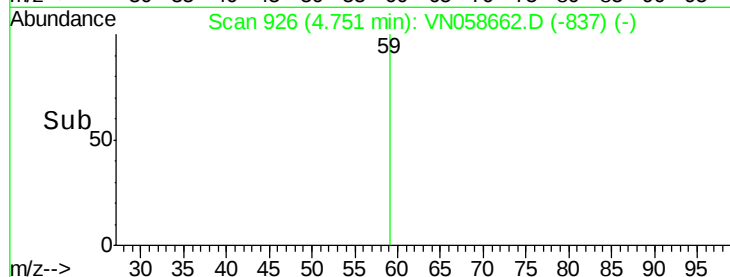
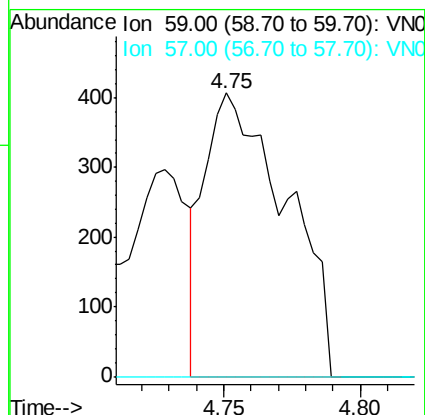
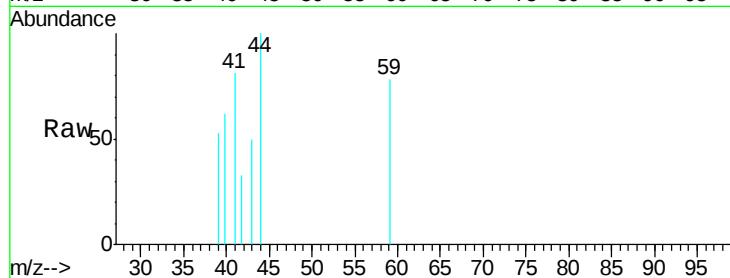


#11

Tert butyl alcohol
 Concen: 1.070 ug/l
 RT: 4.75 min Scan# 926
 Delta R.T. -0.01 min
 Lab File: VN058662.D
 Acq: 9 Oct 2019 23:34

Instrument :
 MSVOA_N
 ClientSampled :
 MW-3DL

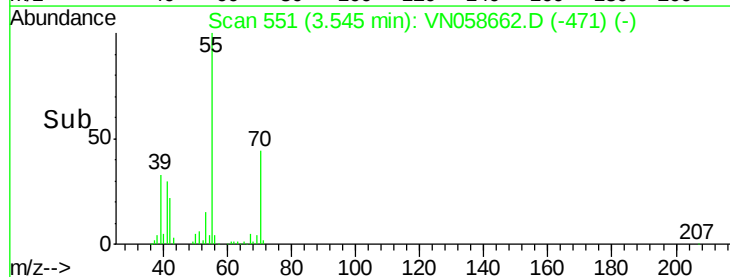
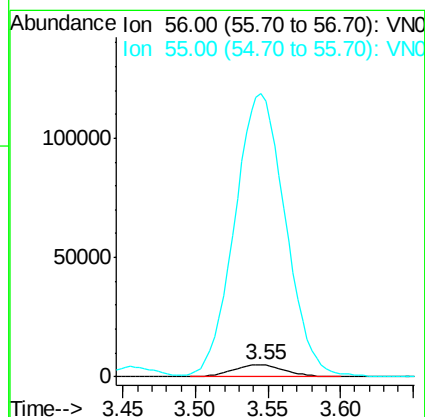
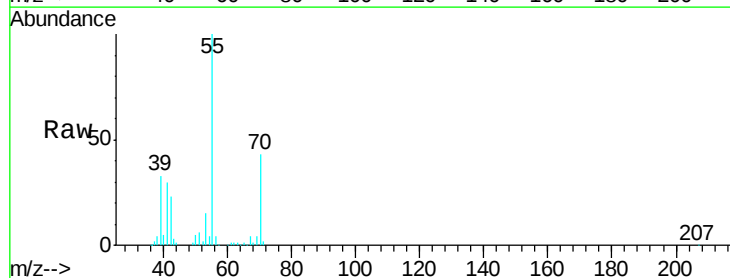
Tgt Ion: 59 Resp: 841
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.0 13.4#

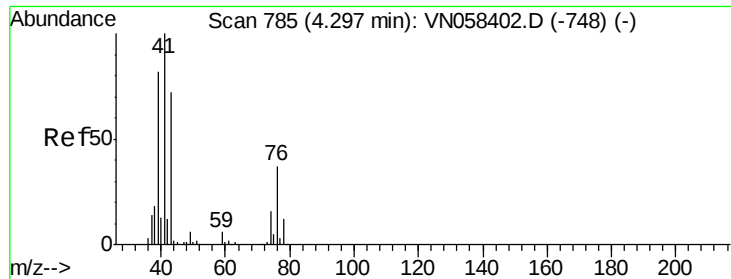


#13

Acrolein
 Concen: 51.927 ug/l
 RT: 3.55 min Scan# 551
 Delta R.T. -0.04 min
 Lab File: VN058662.D
 Acq: 9 Oct 2019 23:34

Tgt Ion: 56 Resp: 12982
 Ion Ratio Lower Upper
 56 100
 55 2228.9 58.3 87.5#

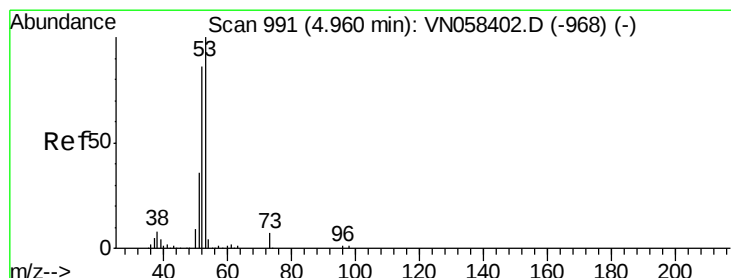
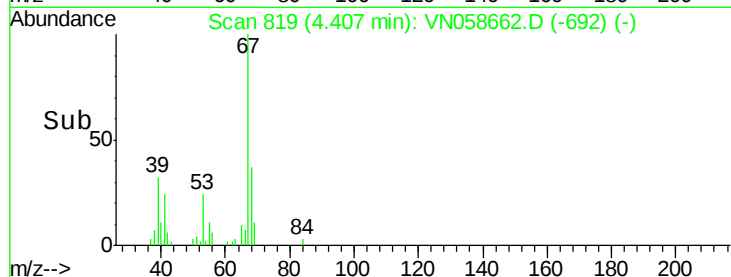
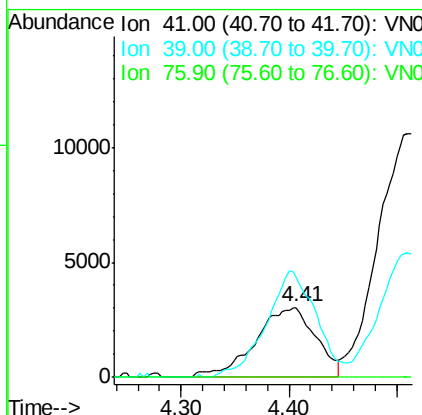
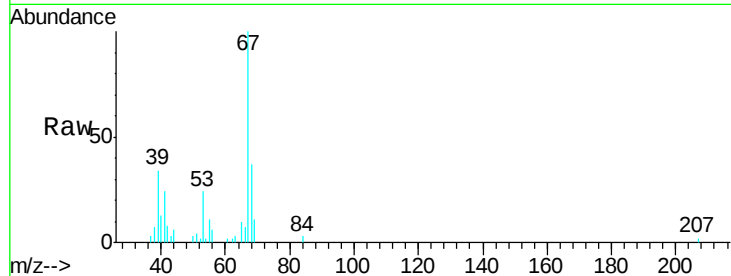




#14
 Allyl chloride
 Concen: 1.419 ug/l
 RT: 4.41 min Scan# 819
 Delta R.T. 0.11 min
 Lab File: VN058662.D
 Acq: 9 Oct 2019 23:34

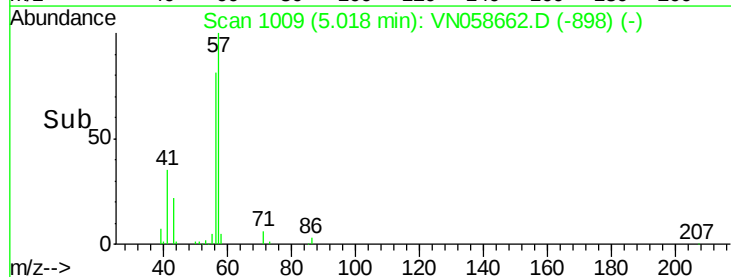
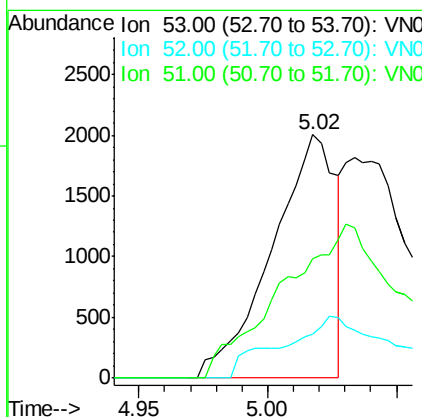
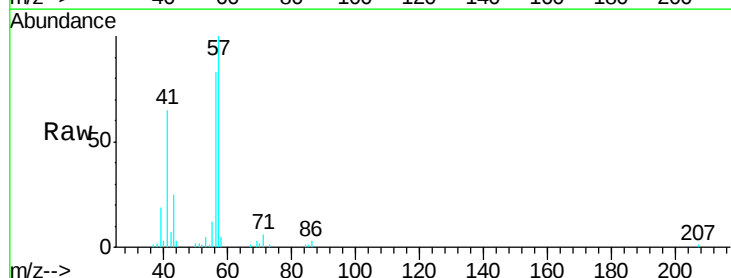
Instrument :
 MSVOA_N
 ClientSampled :
 MW-3DL

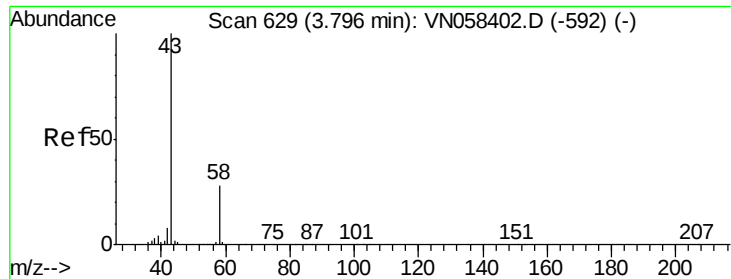
Tgt Ion: 41 Resp: 11793
 Ion Ratio Lower Upper
 41 100
 39 127.1 62.3 93.5#
 76 0.0 26.9 40.3#



#15
 Acrylonitrile
 Concen: 1.494 ug/l
 RT: 5.02 min Scan# 1009
 Delta R.T. 0.06 min
 Lab File: VN058662.D
 Acq: 9 Oct 2019 23:34

Tgt Ion: 53 Resp: 3423
 Ion Ratio Lower Upper
 53 100
 52 43.2 66.6 100.0#
 51 121.5 29.8 44.8#

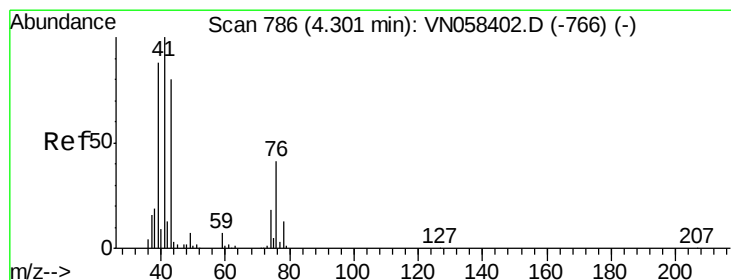
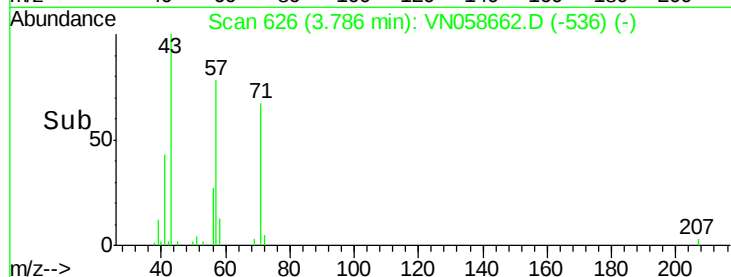
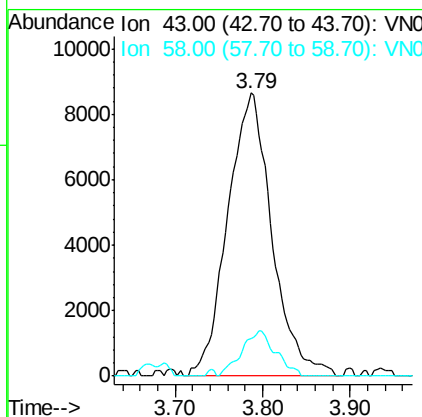
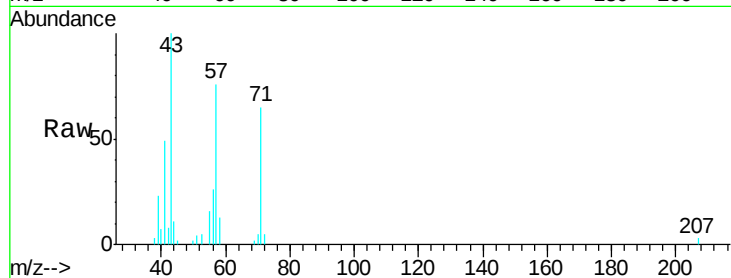




#16
Acetone
Concen: 12.563 ug/l
RT: 3.79 min Scan# 626
Delta R.T. -0.01 min
Lab File: VN058662.D
Acq: 9 Oct 2019 23:34

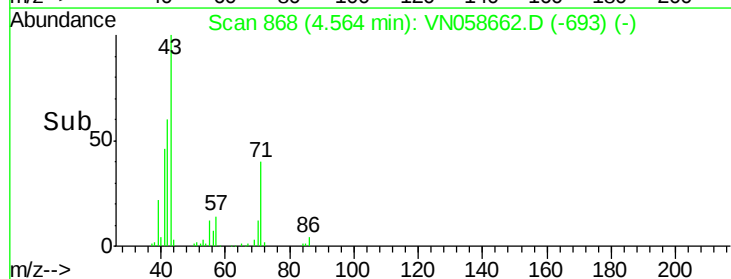
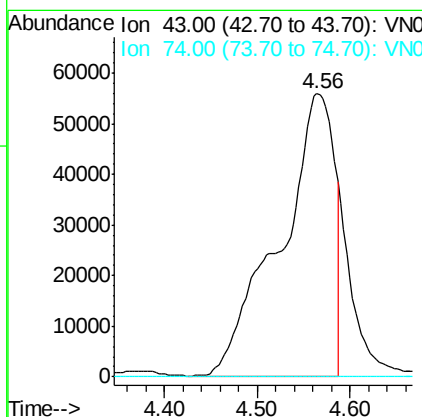
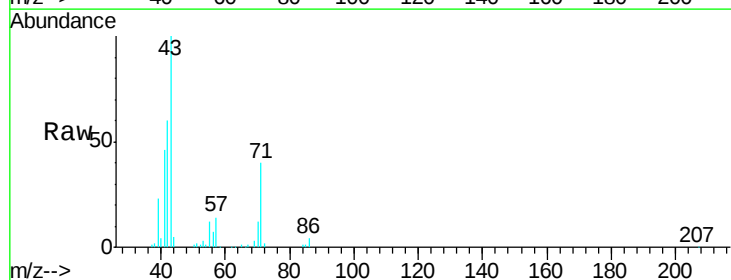
Instrument :
MSVOA_N
ClientSampleId :
MW-3DL

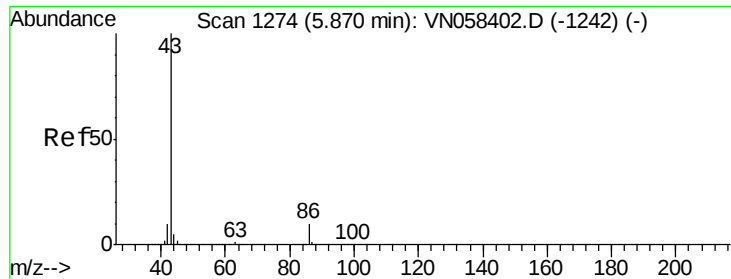
Tgt Ion: 43 Resp: 30302
Ion Ratio Lower Upper
43 100
58 13.2 22.4 33.6#



#18
Methyl Acetate
Concen: 37.314 ug/l
RT: 4.56 min Scan# 868
Delta R.T. 0.26 min
Lab File: VN058662.D
Acq: 9 Oct 2019 23:34

Tgt Ion: 43 Resp: 226360
Ion Ratio Lower Upper
43 100
74 0.0 18.0 27.0#

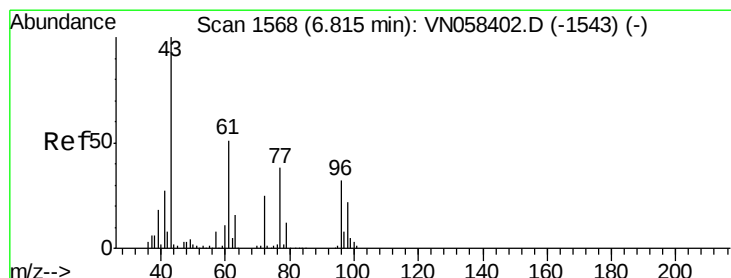
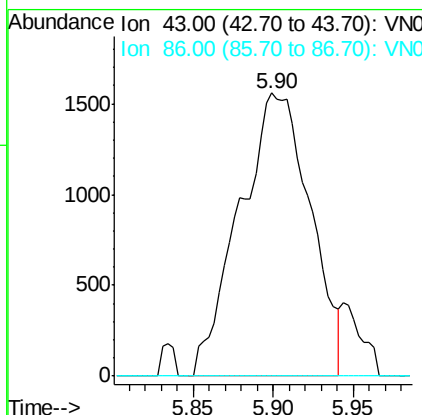
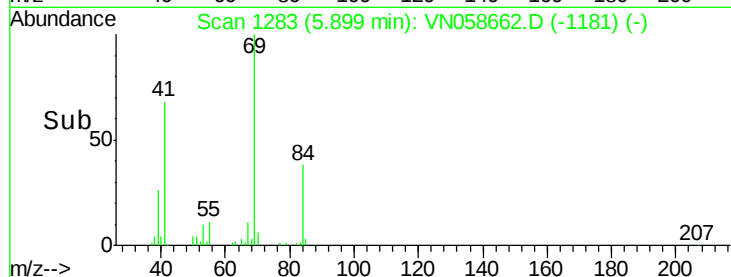
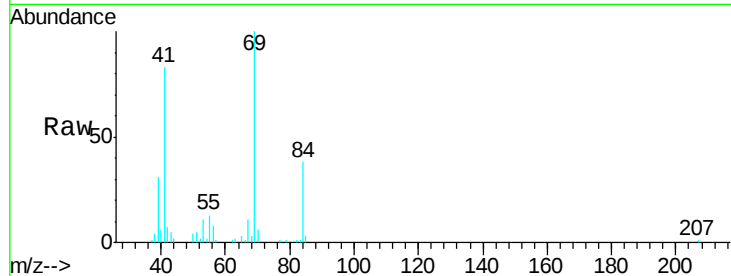




#23
 Vinyl Acetate
 Concen: 0.353 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.03 min
 Lab File: VN058662.D
 Acq: 9 Oct 2019 23:34

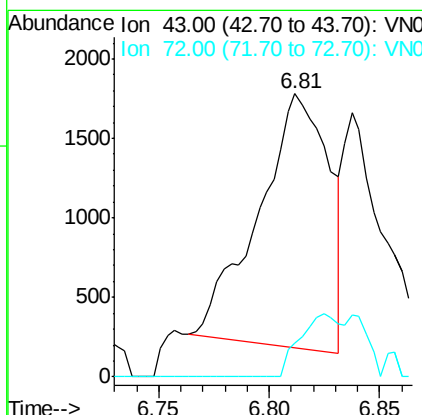
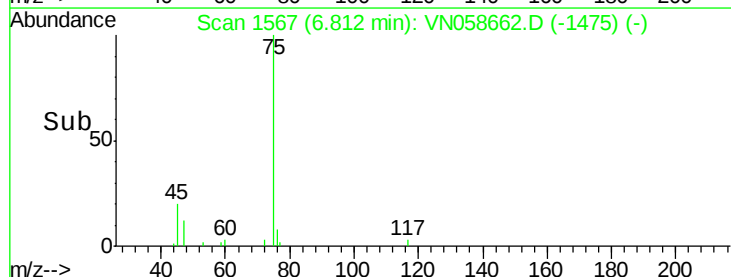
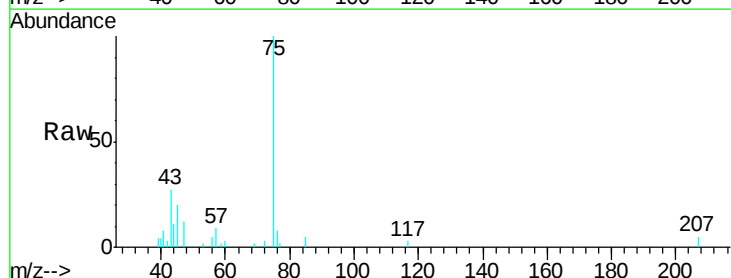
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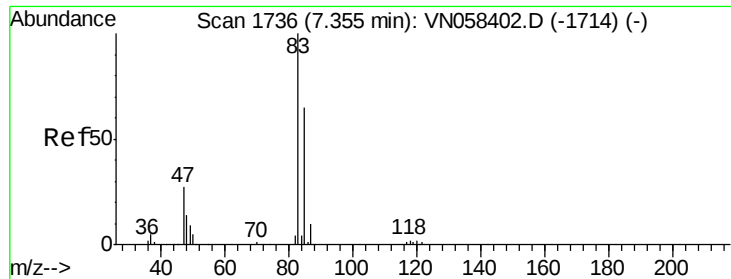
Tgt Ion: 43 Resp: 4761
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.7 11.5#



#25
 2-Butanone
 Concen: 1.065 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. -0.00 min
 Lab File: VN058662.D
 Acq: 9 Oct 2019 23:34

Tgt Ion: 43 Resp: 3527
 Ion Ratio Lower Upper
 43 100
 72 13.9 20.2 30.4#

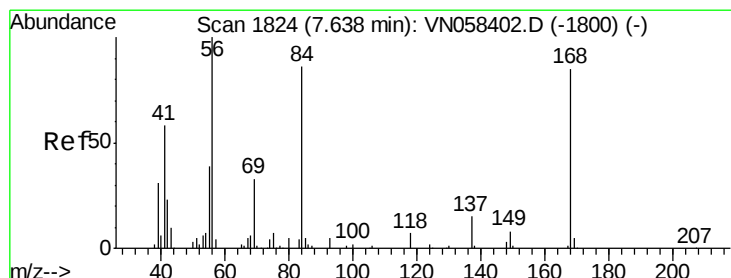
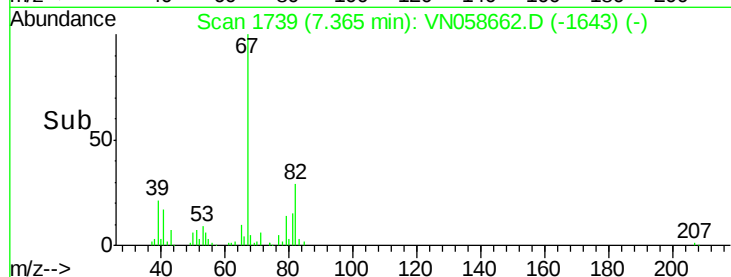
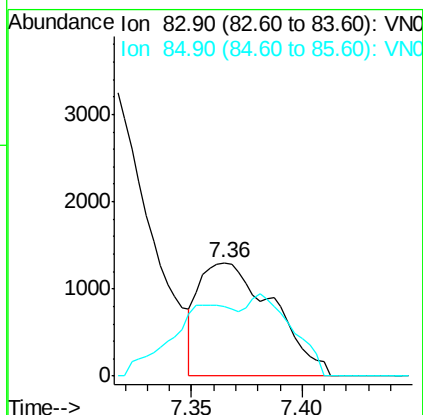
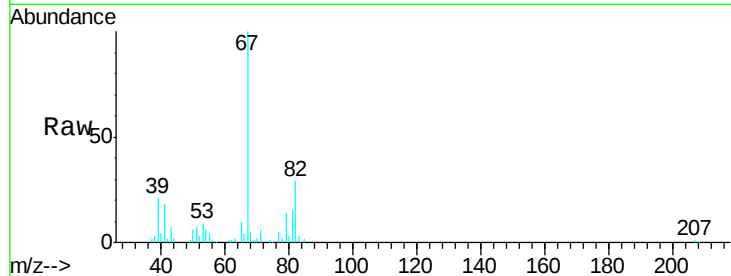




#30
Chloroform
Concen: 0.299 ug/l
RT: 7.36 min Scan# 1739
Delta R.T. 0.01 min
Lab File: VN058662.D
Acq: 9 Oct 2019 23:34

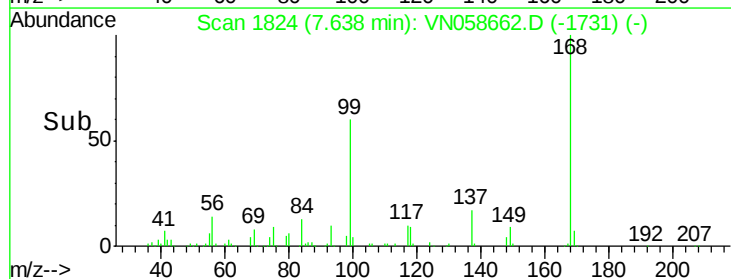
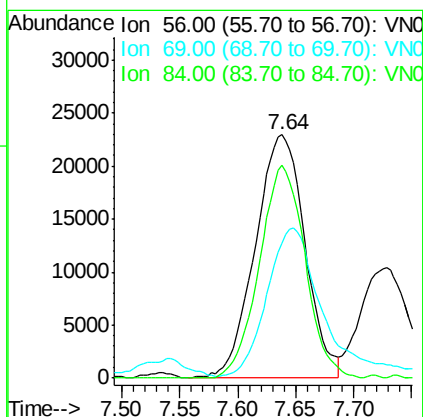
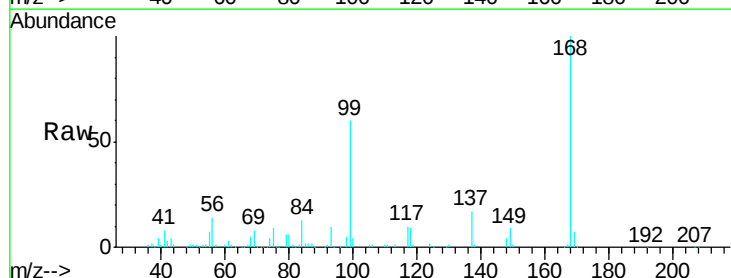
Instrument :
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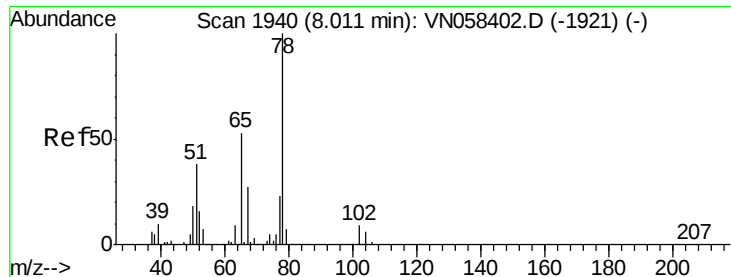
Tgt Ion: 83 Resp: 3048
Ion Ratio Lower Upper
83 100
85 61.1 52.0 78.0



#31
Cyclohexane
Concen: 6.986 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN058662.D
Acq: 9 Oct 2019 23:34

Tgt Ion: 56 Resp: 68409
Ion Ratio Lower Upper
56 100
69 51.5 26.2 39.4#
84 87.4 67.6 101.4





#33

1,2-Dichloroethane-d4

Concen: 46.086 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN058662.D

Acq: 9 Oct 2019 23:34

Instrument :

MSVOA_N

ClientSampled :

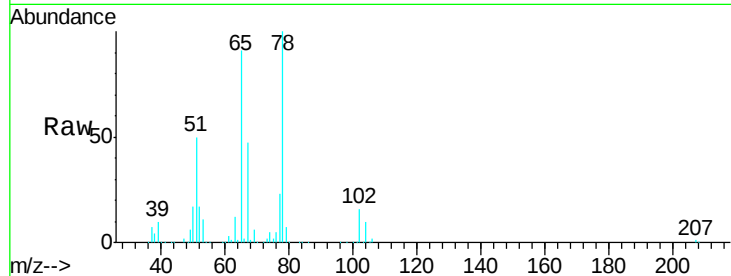
MW-3DL

Tgt Ion: 65 Resp: 326086

Ion Ratio Lower Upper

65 100

67 51.7 0.0 102.4



Abundance Ion 64.90 (64.60 to 65.60): VN058402.D (-1921) (-)

Ion 66.90 (66.60 to 67.60): VN058402.D (-1921) (-)

8.01

150000

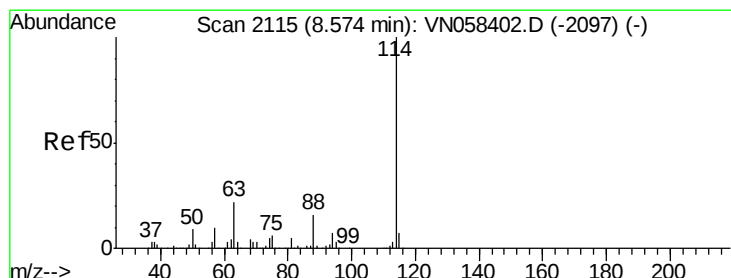
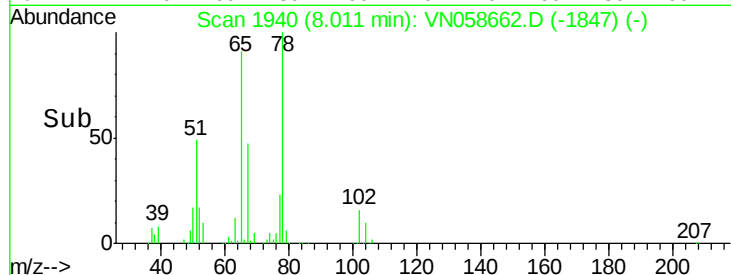
100000

50000

0

7.90 8.00 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VN058662.D

Acq: 9 Oct 2019 23:34

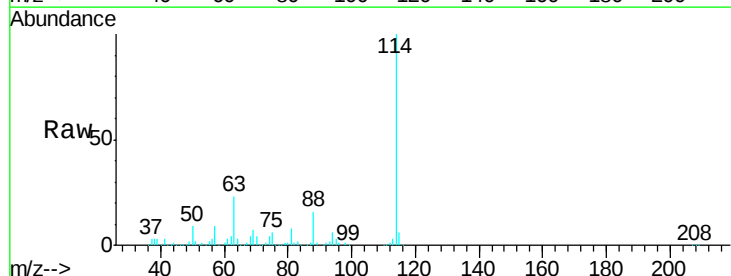
Tgt Ion: 114 Resp: 760882

Ion Ratio Lower Upper

114 100

63 22.6 0.0 45.0

88 15.8 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): VN058402.D (-2097) (-)

Ion 63.00 (62.70 to 63.70): VN058402.D (-2097) (-)

Ion 87.90 (87.60 to 88.60): VN058402.D (-2097) (-)

8.57

500000

400000

300000

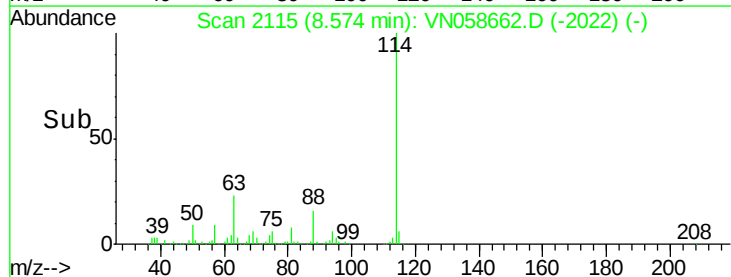
200000

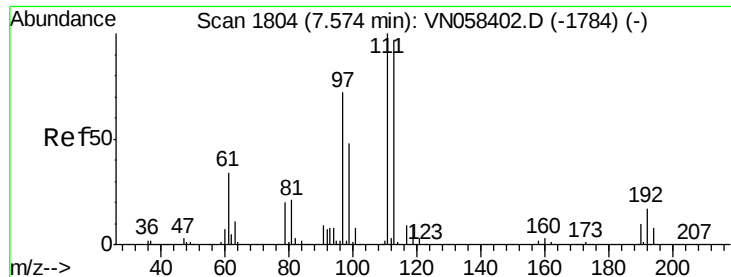
100000

0

8.50 8.60 8.70

Time-->

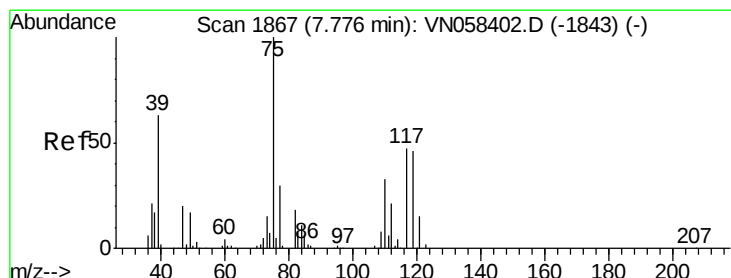
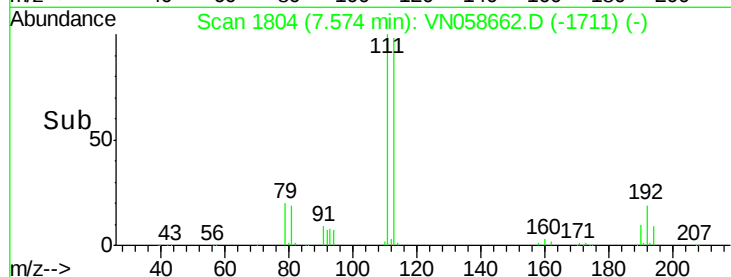
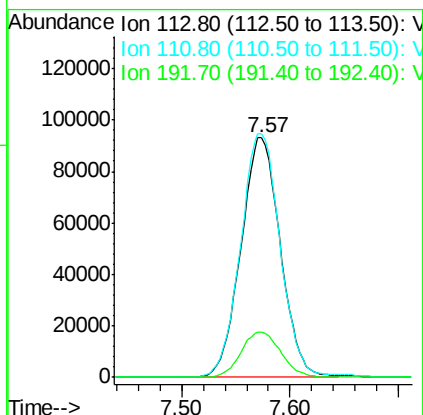
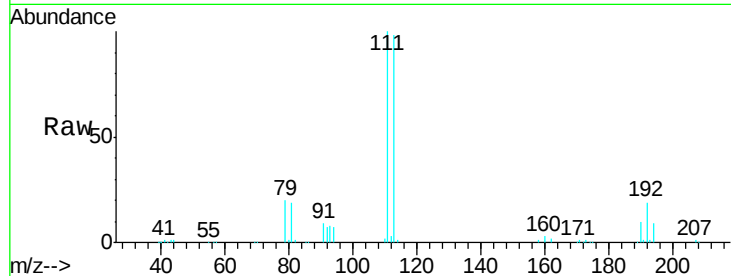




#35
 Dibromofluoromethane
 Concen: 50.508 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058662.D
 Acq: 9 Oct 2019 23:34

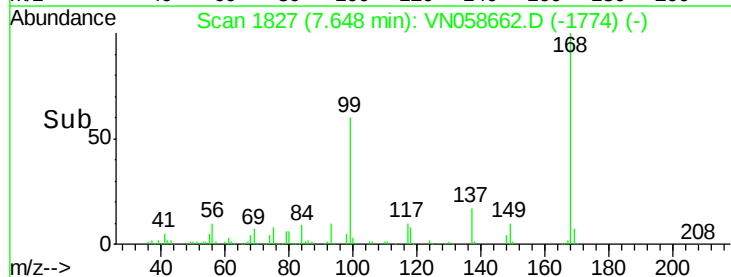
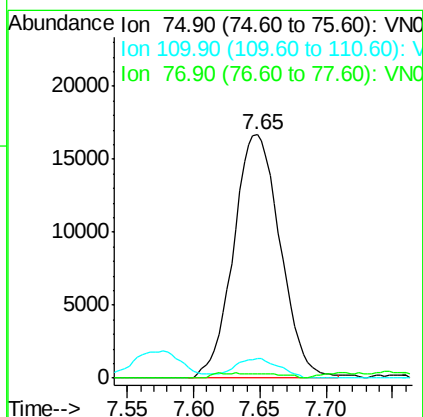
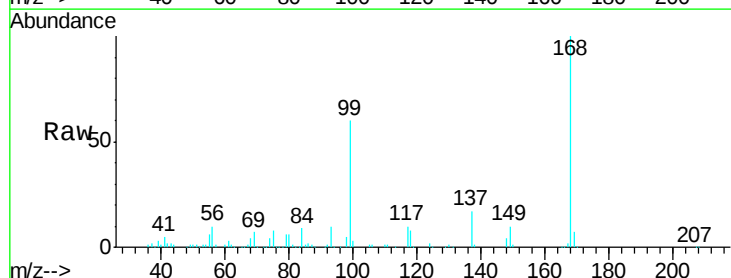
Instrument :
 MSVOA_N
 ClientSampled :
 MW-3DL

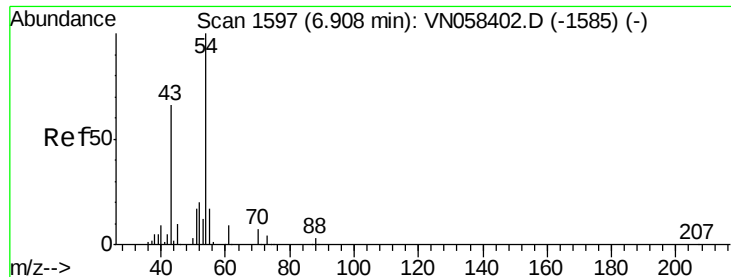
Tgt Ion:113 Resp: 23538
 Ion Ratio Lower Upper
 113 100
 111 102.1 83.4 125.2
 192 19.1 14.9 22.3



#36
 1,1-Dichloropropene
 Concen: 5.614 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN058662.D
 Acq: 9 Oct 2019 23:34

Tgt Ion: 75 Resp: 40844
 Ion Ratio Lower Upper
 75 100
 110 7.5 16.4 49.2#
 77 0.0 24.3 36.5#

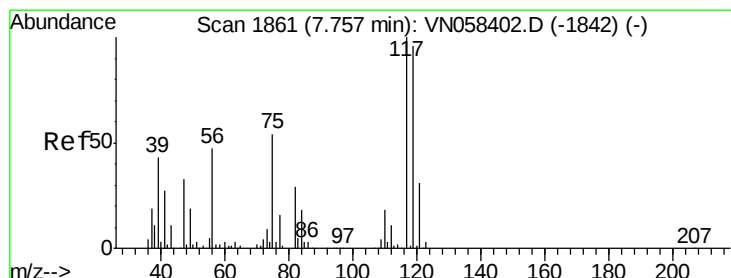
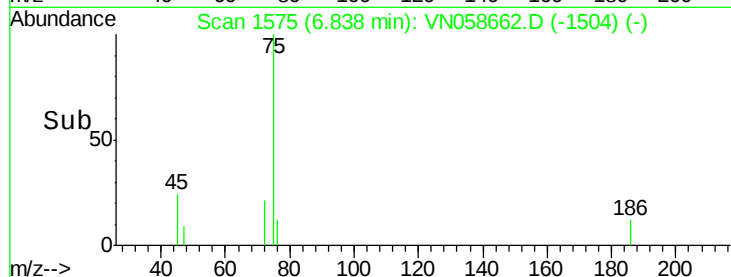
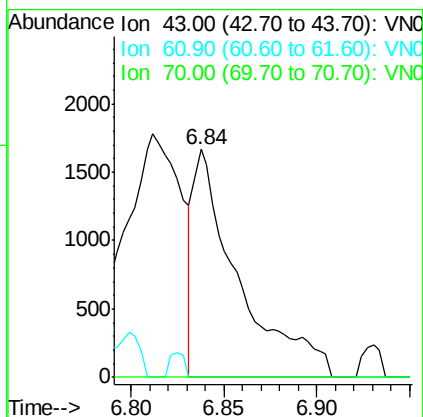
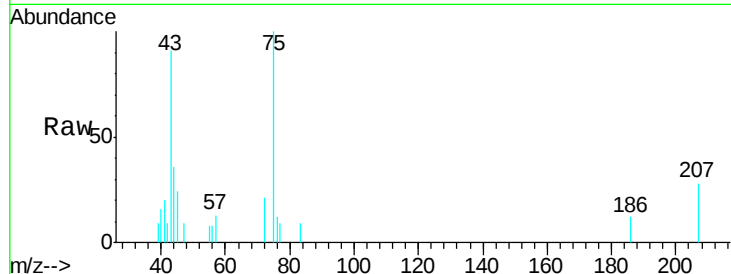




#37
Ethyl Acetate
Concen: 0.452 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. -0.07 min
Lab File: VN058662.D
Acq: 9 Oct 2019 23:34

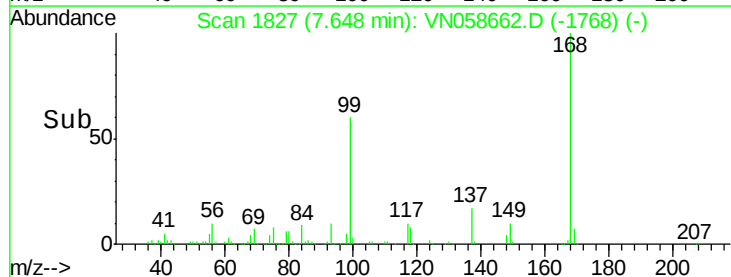
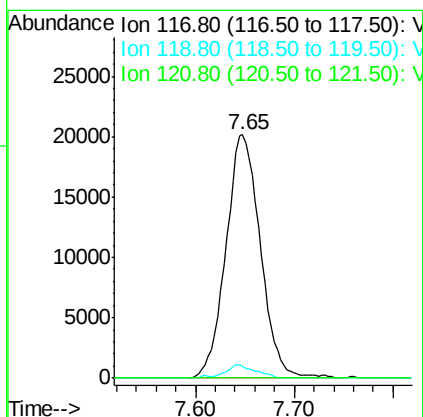
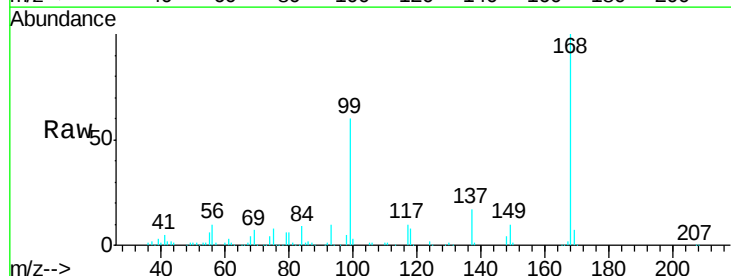
Instrument :
MSVOA_N
ClientSampleId :
MW-3DL

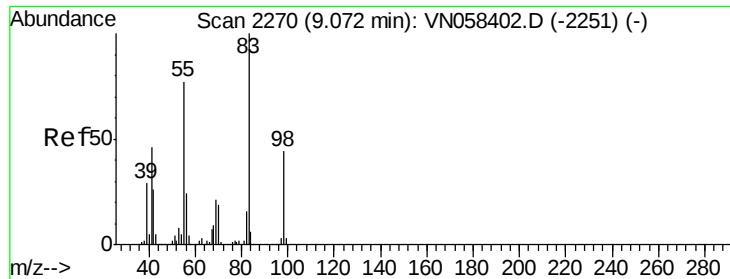
Tgt Ion: 43 Resp: 2790
Ion Ratio Lower Upper
43 100
61 3.4 10.5 15.7#
70 0.0 7.8 11.6#



#38
Carbon Tetrachloride
Concen: 7.470 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.11 min
Lab File: VN058662.D
Acq: 9 Oct 2019 23:34

Tgt Ion: 117 Resp: 49054
Ion Ratio Lower Upper
117 100
119 4.7 76.6 115.0#
121 0.0 24.7 37.1#

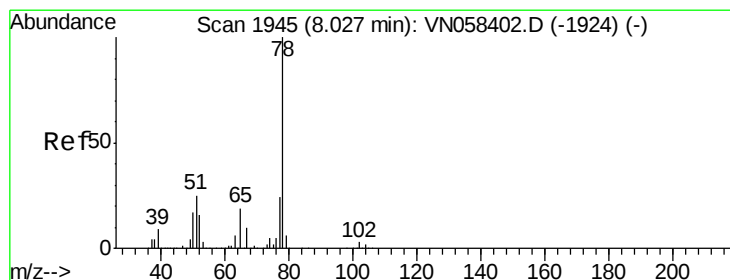
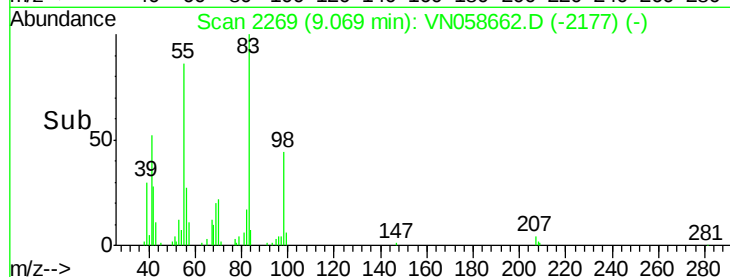
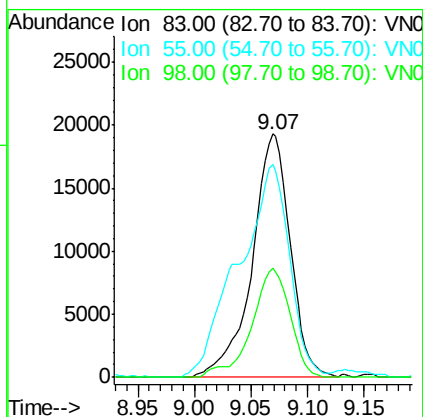
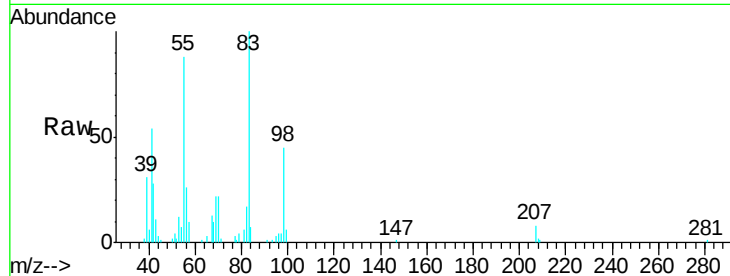




#39
Methylcyclohexane
Concen: 5.329 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN058662.D
Acq: 9 Oct 2019 23:34

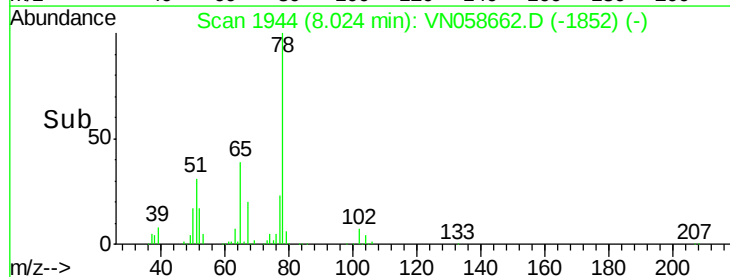
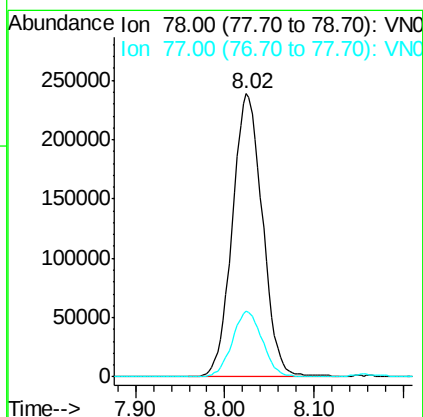
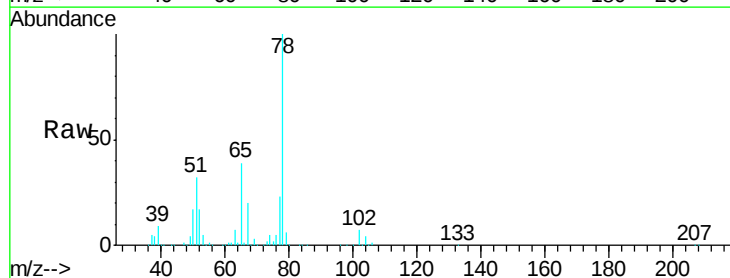
Instrument :
MSVOA_N
ClientSampled :
MW-3DL

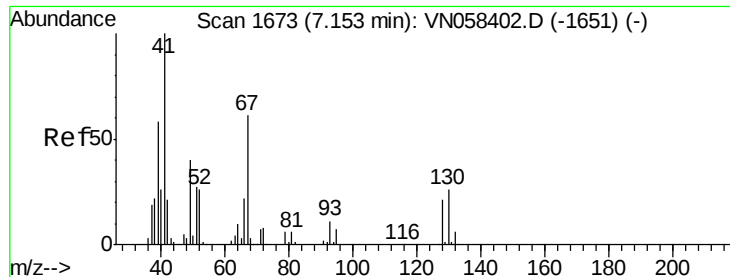
Tgt Ion: 83 Resp: 45278
Ion Ratio Lower Upper
83 100
55 85.8 61.8 92.6
98 44.7 35.4 53.0



#40
Benzene
Concen: 26.752 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN058662.D
Acq: 9 Oct 2019 23:34

Tgt Ion: 78 Resp: 559469
Ion Ratio Lower Upper
78 100
77 23.2 18.9 28.3





#41

Methacrylonitrile

Concen: 0.557 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. 0.02 min

Lab File: VN058662.D

Acq: 9 Oct 2019 23:34

Instrument :

MSVOA_N

ClientSampled :

MW-3DL

Tgt Ion: 41 Resp: 1582

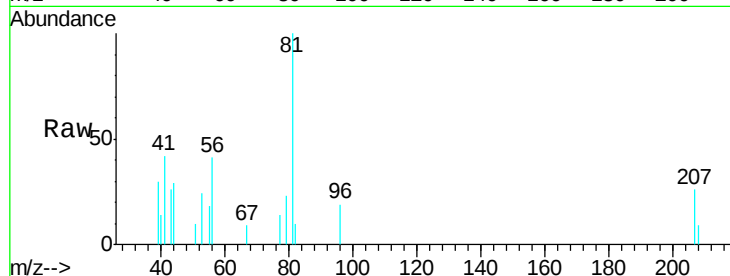
Ion Ratio Lower Upper

41 100

39 0.0 50.2 75.4#

67 0.0 70.2 105.4#

52 0.0 31.4 47.0#

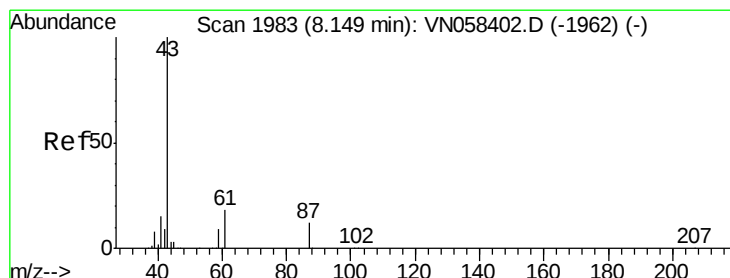
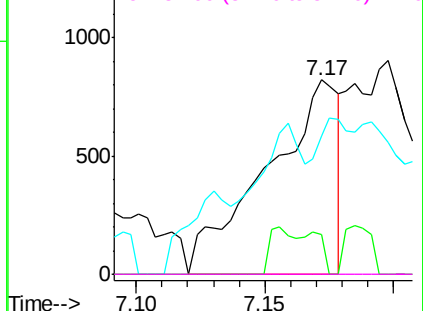
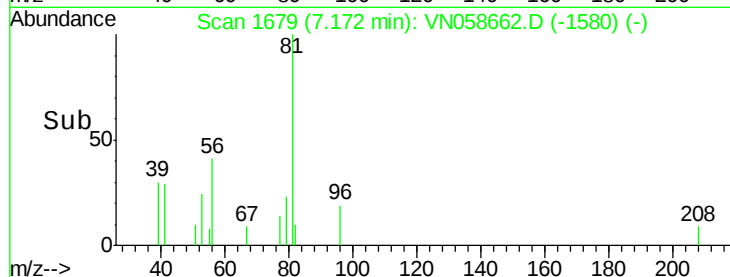


Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

Ion 67.00 (66.70 to 67.70): VNC

Ion 52.00 (51.70 to 52.70): VNC



#43

Isopropyl Acetate

Concen: 0.892 ug/l

RT: 8.13 min Scan# 1978

Delta R.T. -0.02 min

Lab File: VN058662.D

Acq: 9 Oct 2019 23:34

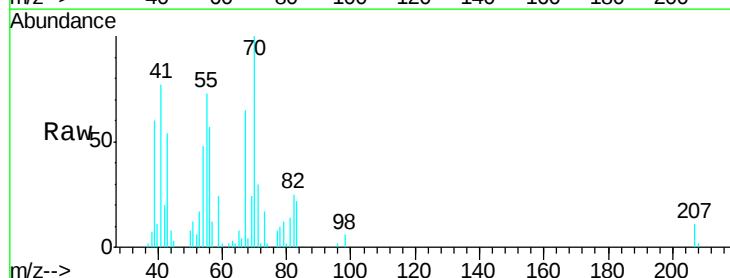
Tgt Ion: 43 Resp: 10341

Ion Ratio Lower Upper

43 100

61 0.0 14.8 22.2#

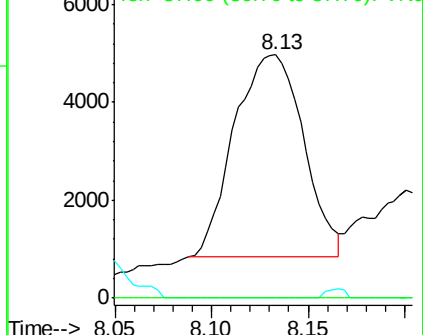
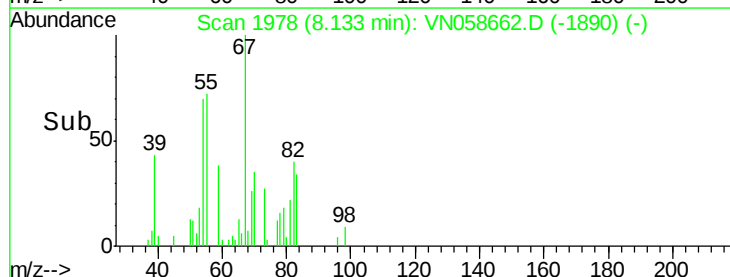
87 0.0 9.7 14.5#

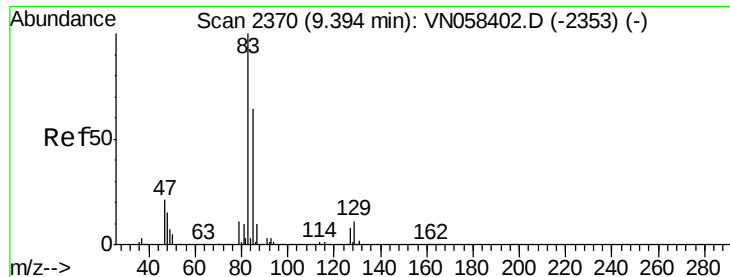


Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 61.00 (60.70 to 61.70): VNC

Ion 87.00 (86.70 to 87.70): VNC





#47

Bromodichloromethane

Concen: 0.322 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.01 min

Lab File: VN058662.D

Acq: 9 Oct 2019 23:34

Instrument :

MSVOA_N

ClientSampled :

MW-3DL

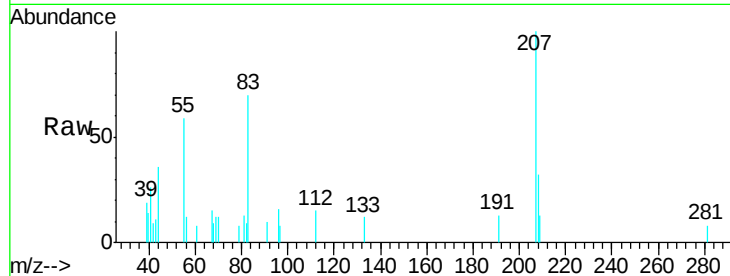
Tgt Ion: 83 Resp: 2168

Ion Ratio Lower Upper

83 100

85 0.0 51.2 76.8#

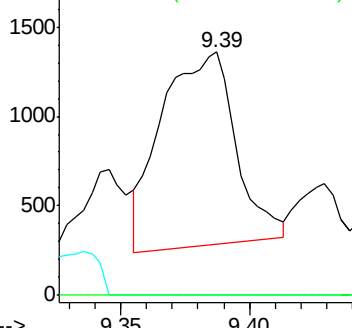
127 0.0 6.3 9.5#



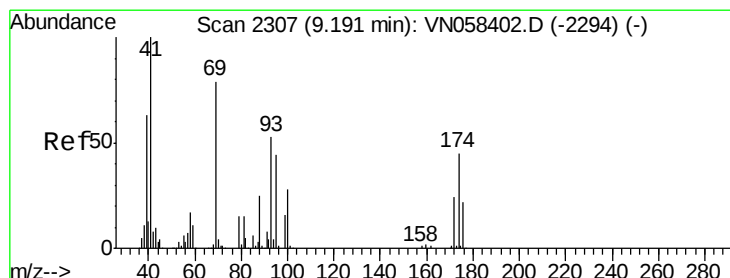
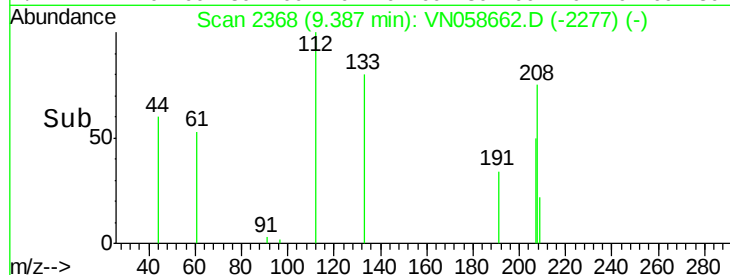
Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



Time-->



#48

Methyl methacrylate

Concen: 0.401 ug/l

RT: 9.13 min Scan# 2289

Delta R.T. -0.06 min

Lab File: VN058662.D

Acq: 9 Oct 2019 23:34

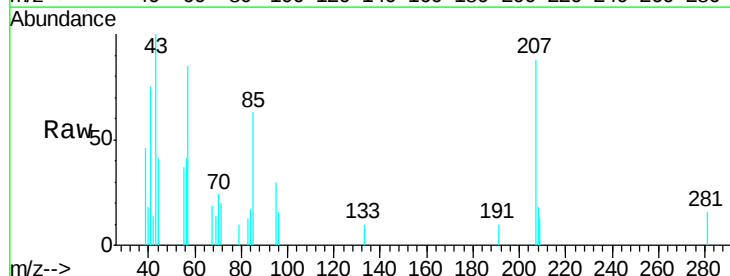
Tgt Ion: 41 Resp: 2118

Ion Ratio Lower Upper

41 100

69 18.0 64.7 97.1#

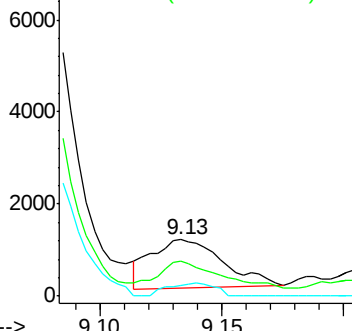
39 48.0 52.9 79.3#



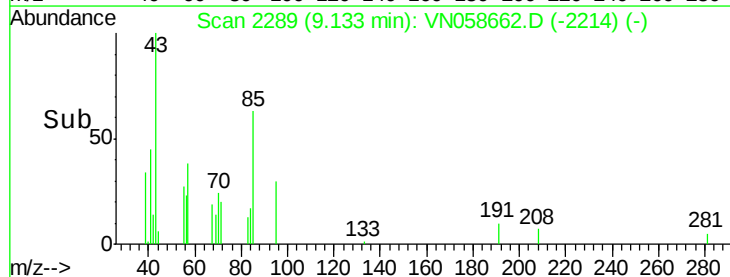
Abundance Ion 41.00 (40.70 to 41.70): VN0

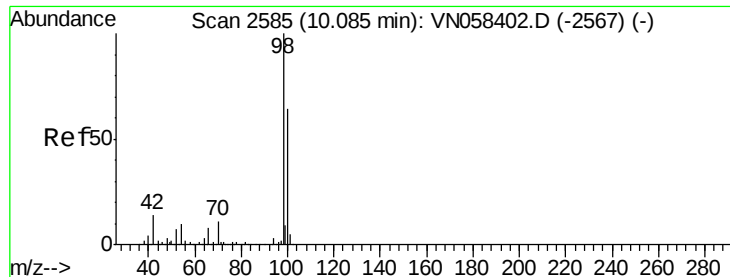
Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



Time-->





#50

Toluene-d8

Concen: 50.934 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058662.D

Acq: 9 Oct 2019 23:34

Instrument :

MSVOA_N

ClientSampleId :

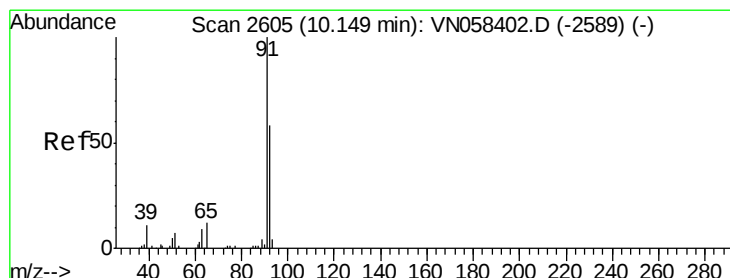
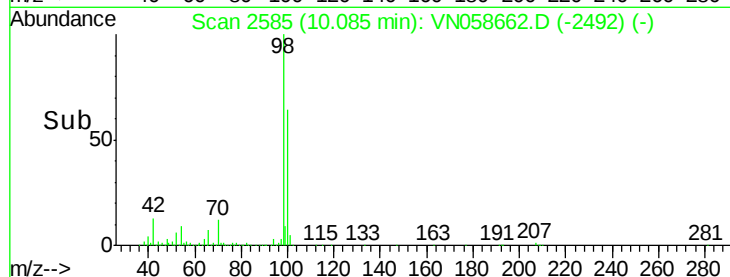
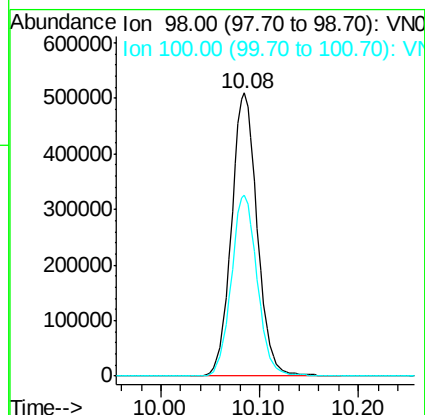
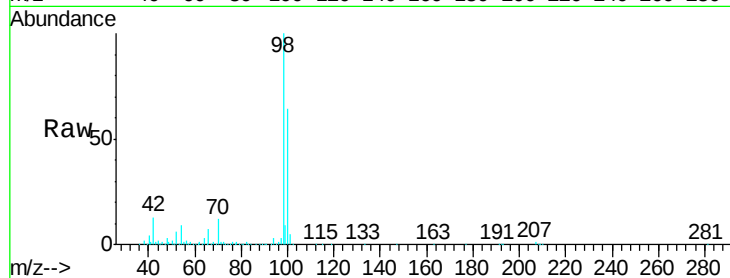
MW-3DL

Tgt Ion: 98 Resp: 930475

Ion Ratio Lower Upper

98 100

100 64.3 51.0 76.6



#52

Toluene

Concen: 4.401 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058662.D

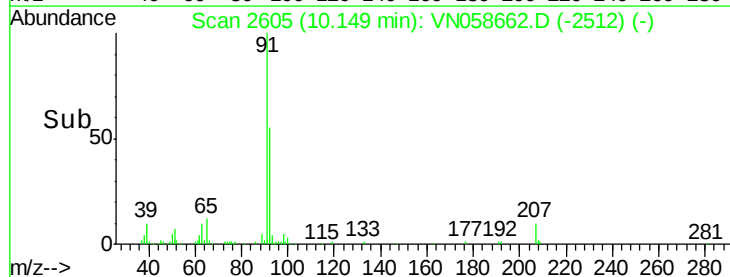
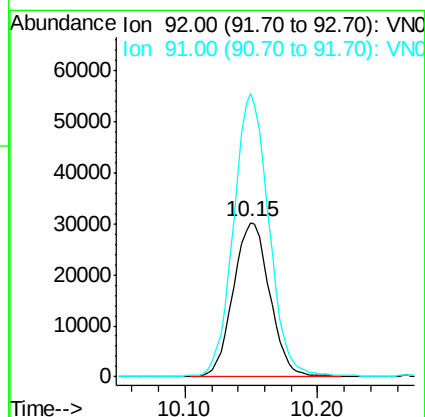
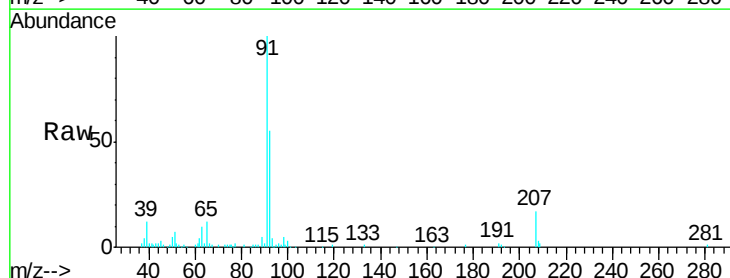
Acq: 9 Oct 2019 23:34

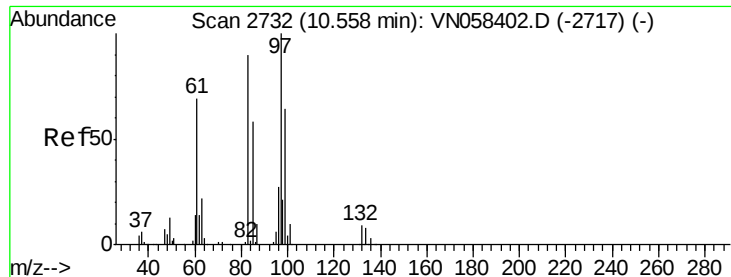
Tgt Ion: 92 Resp: 57926

Ion Ratio Lower Upper

92 100

91 178.8 140.2 210.4





#55

1,1,2-Trichloroethane

Concen: 2.183 ug/l

RT: 10.53 min Scan# 2722

Delta R.T. -0.03 min

Lab File: VN058662.D

Acq: 9 Oct 2019 23:34

Instrument :

MSVOA_N

ClientSampled :

MW-3DL

Tgt Ion: 97 Resp: 10464

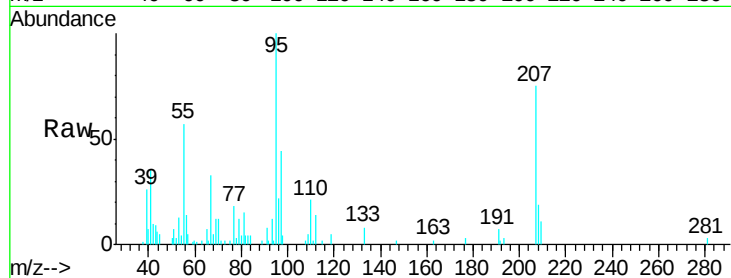
Ion Ratio Lower Upper

97 100

83 9.5 71.8 107.6#

85 0.0 46.6 69.8#

99 0.0 51.5 77.3#

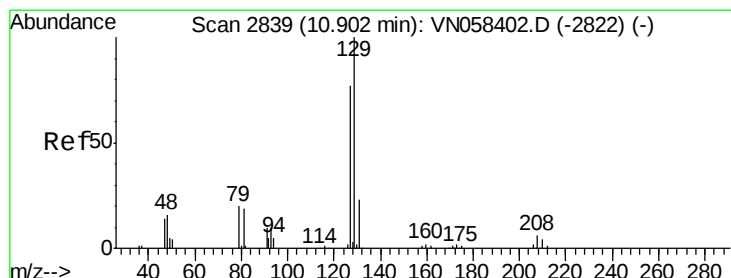
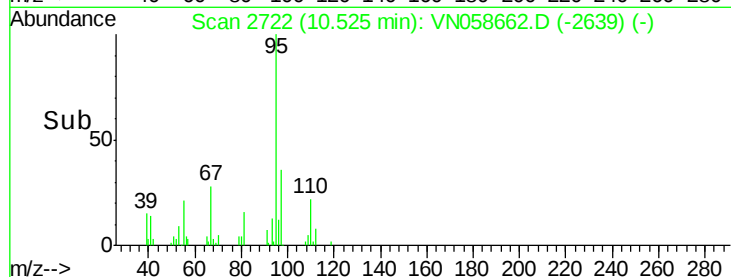
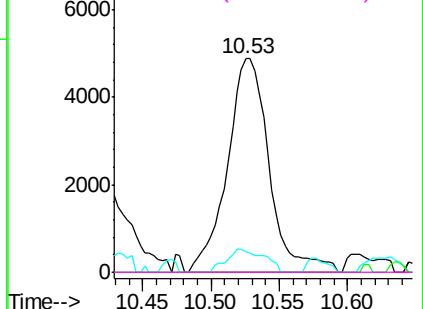


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#60

Dibromochloromethane

Concen: Below Cal

RT: 10.63 min Scan# 2754

Delta R.T. -0.27 min

Lab File: VN058662.D

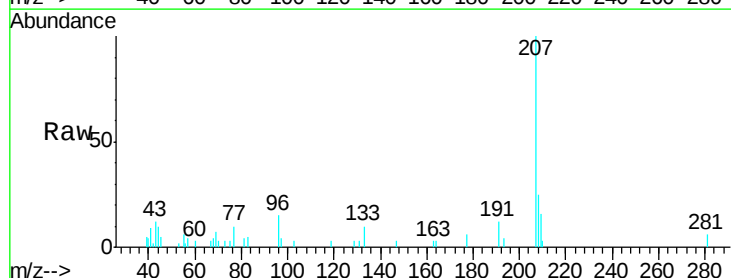
Acq: 9 Oct 2019 23:34

Tgt Ion: 129 Resp: 106

Ion Ratio Lower Upper

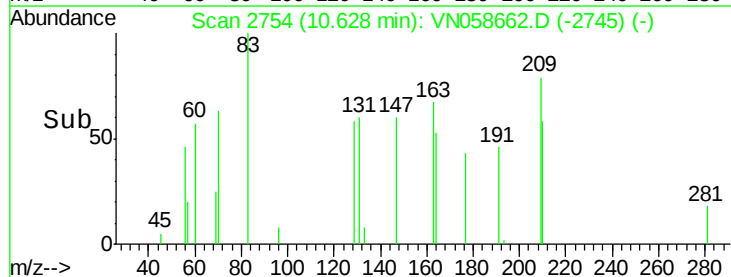
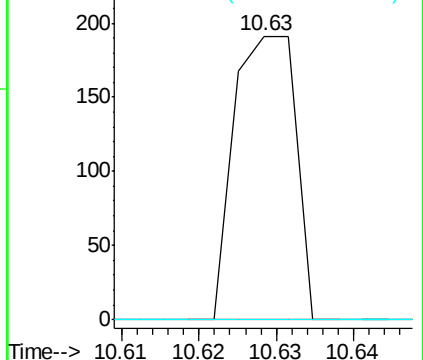
129 100

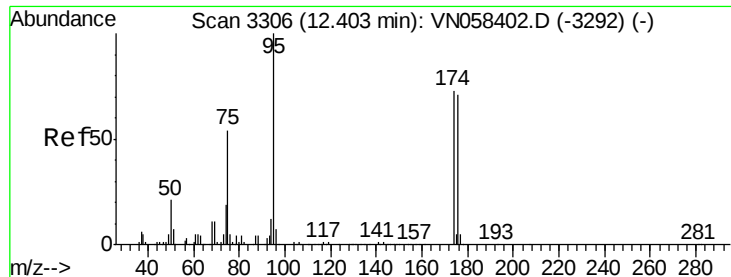
127 0.0 38.3 114.8#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#62

4-Bromofluorobenzene

Concen: 47.994 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058662.D

Acq: 9 Oct 2019 23:34

Instrument :

MSVOA_N

ClientSampled :

MW-3DL

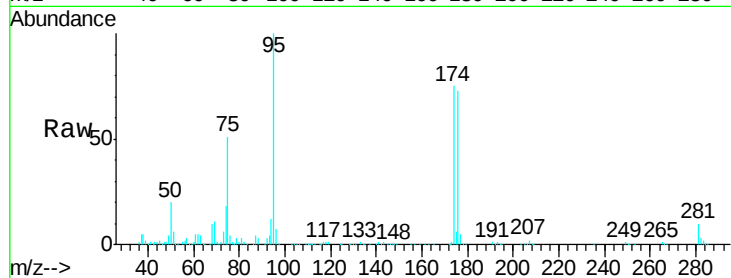
Tgt Ion: 95 Resp: 317021

Ion Ratio Lower Upper

95 100

174 75.9 0.0 150.6

176 73.3 0.0 146.2

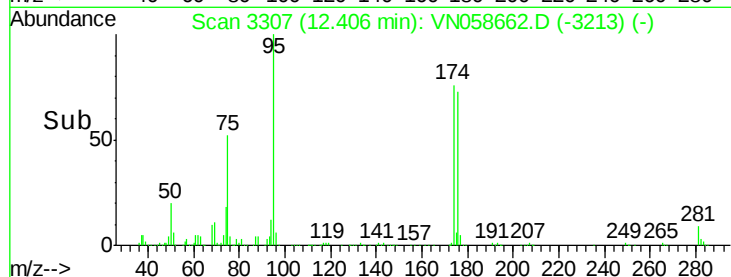


Abundance Ion 94.90 (94.60 to 95.60): VN058402.D (-3292) (-)

Ion 173.80 (173.50 to 174.50): VN058402.D (-3292) (-)

Ion 175.80 (175.50 to 176.50): VN058402.D (-3292) (-)

Time-->

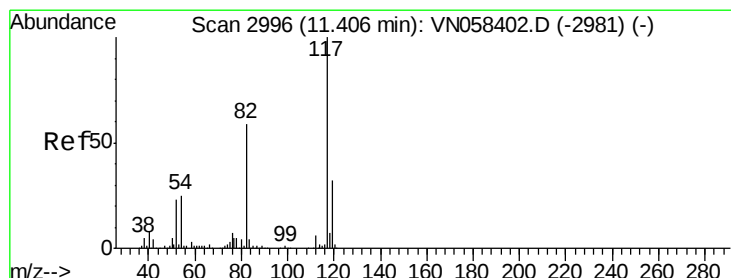


Abundance Ion 94.90 (94.60 to 95.60): VN058662.D (-3213) (-)

Ion 173.80 (173.50 to 174.50): VN058662.D (-3213) (-)

Ion 175.80 (175.50 to 176.50): VN058662.D (-3213) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN058662.D

Acq: 9 Oct 2019 23:34

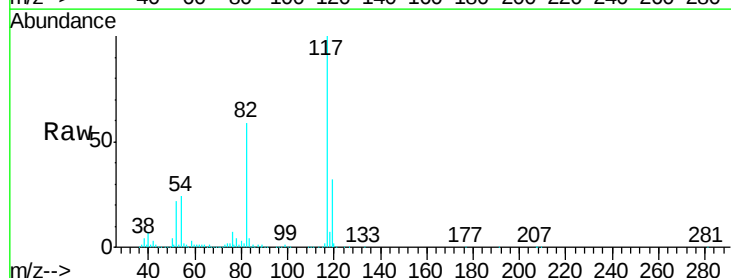
Tgt Ion: 117 Resp: 654978

Ion Ratio Lower Upper

117 100

82 58.9 47.4 71.0

119 32.0 25.5 38.3

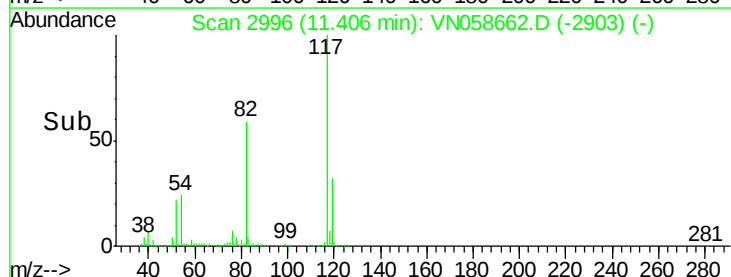


Abundance Ion 116.90 (116.60 to 117.60): VN058402.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN058402.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN058402.D (-2981) (-)

Time-->

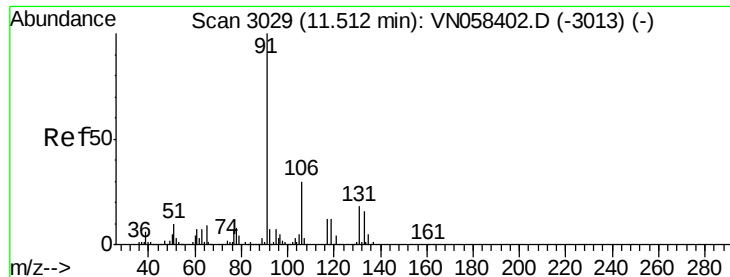


Abundance Ion 116.90 (116.60 to 117.60): VN058662.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN058662.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN058662.D (-2903) (-)

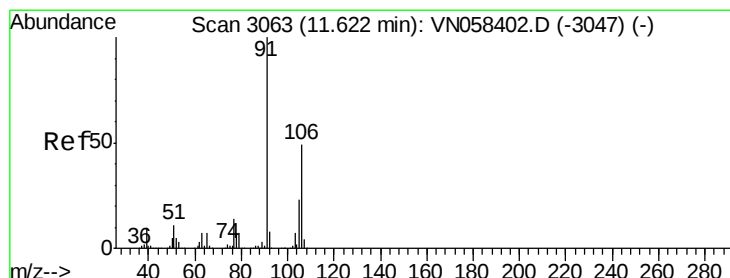
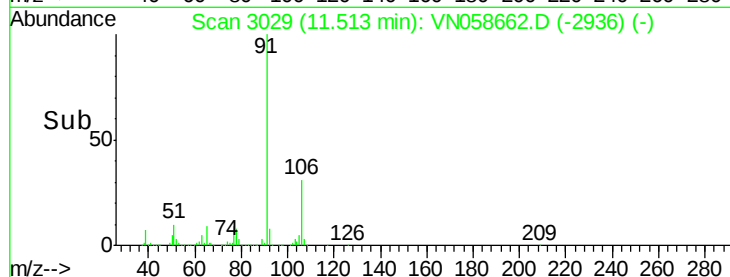
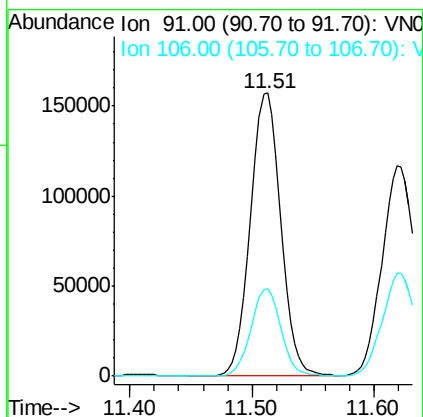
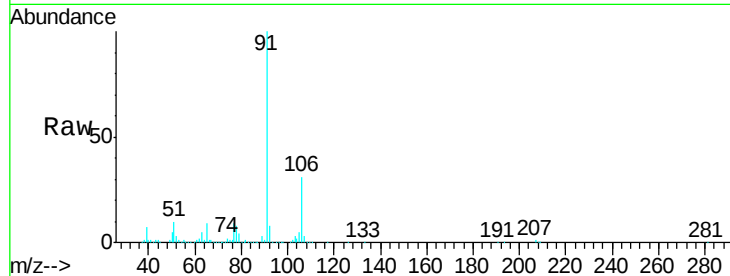
Time-->



#67
Ethyl Benzene
Concen: 11.395 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058662.D
Acq: 9 Oct 2019 23:34

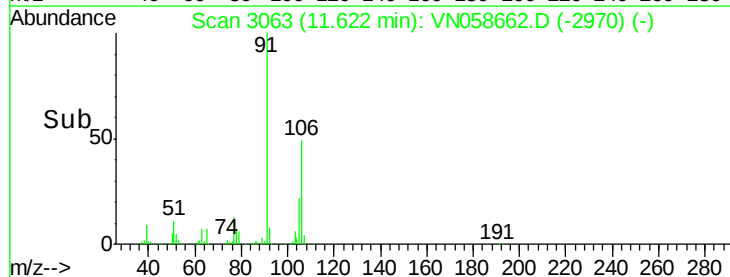
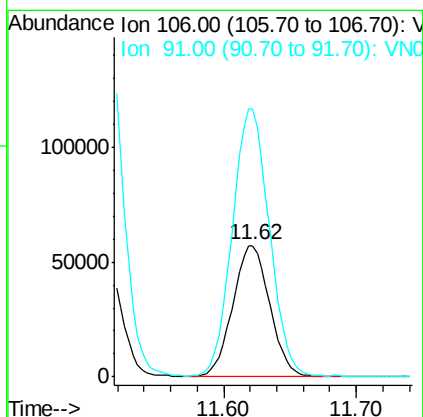
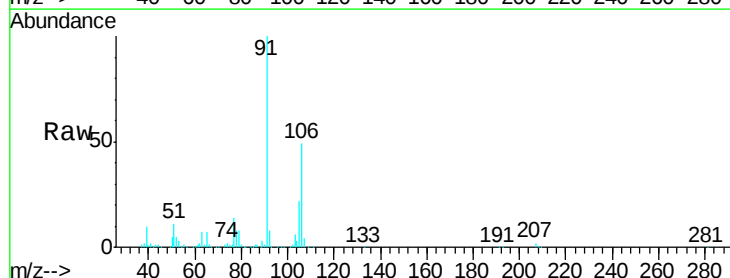
Instrument :
MSVOA_N
ClientSampleId :
MW-3DL

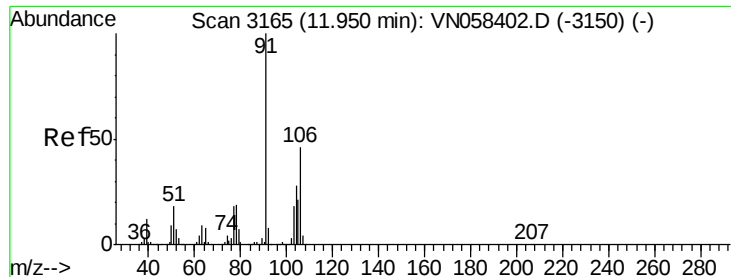
Tgt Ion: 91 Resp: 268723
Ion Ratio Lower Upper
91 100
106 30.9 24.3 36.5



#68
m/p-Xylenes
Concen: 12.451 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058662.D
Acq: 9 Oct 2019 23:34

Tgt Ion: 106 Resp: 110469
Ion Ratio Lower Upper
106 100
91 204.6 165.0 247.4

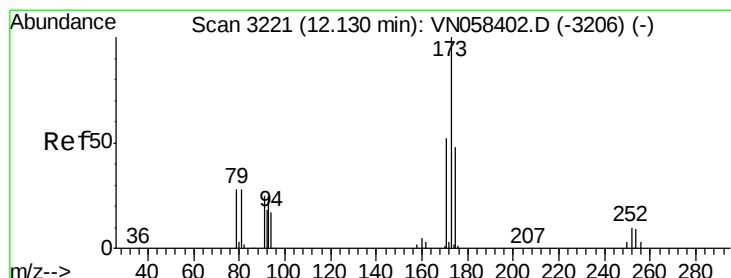
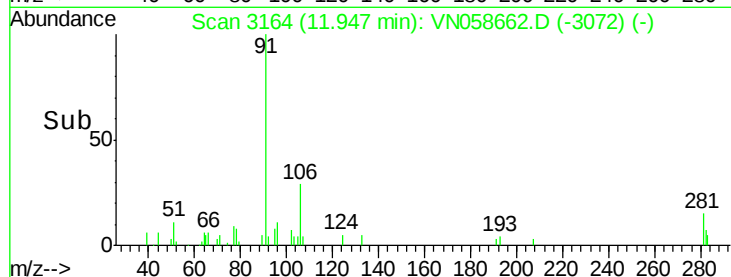
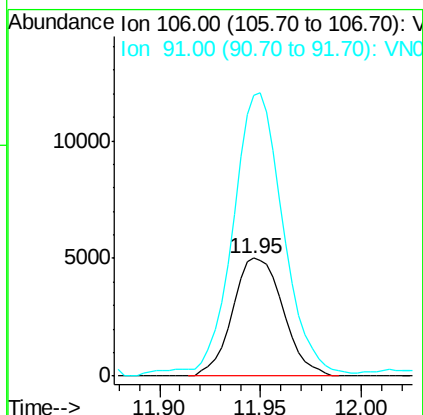
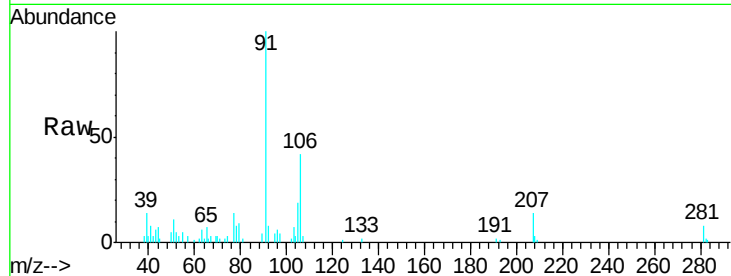




#69
o-Xylene
Concen: 1.029 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN058662.D
Acq: 9 Oct 2019 23:34

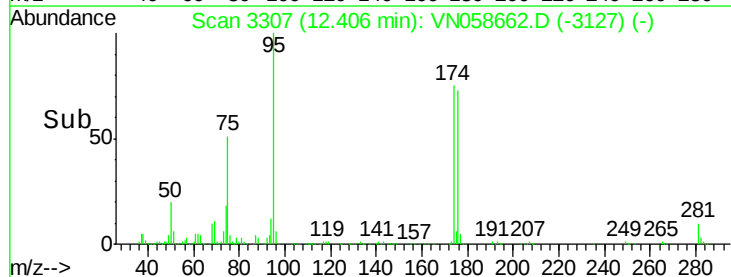
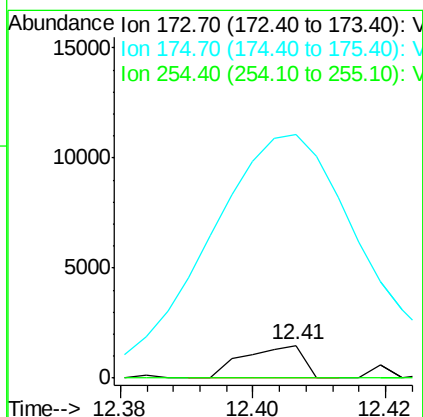
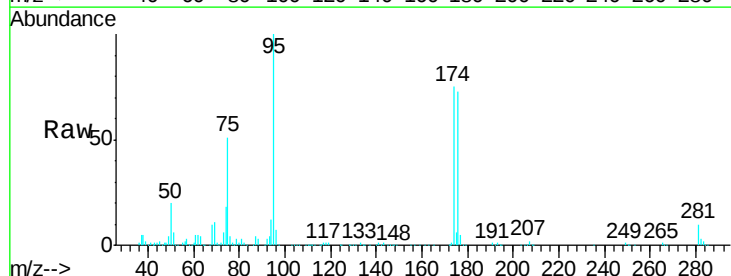
Instrument :
MSVOA_N
ClientSampled :
MW-3DL

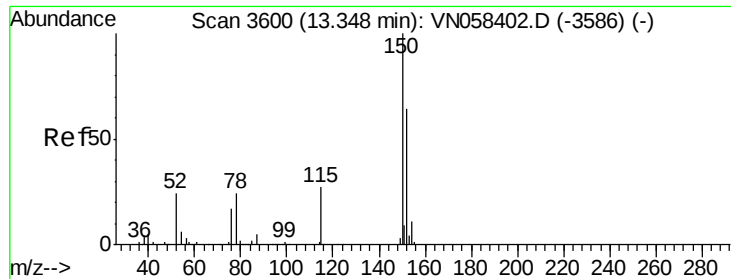
Tgt Ion:106 Resp: 8786
Ion Ratio Lower Upper
106 100
91 242.9 109.1 327.4



#71
Bromoform
Concen: 0.993 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.28 min
Lab File: VN058662.D
Acq: 9 Oct 2019 23:34

Tgt Ion:173 Resp: 916
Ion Ratio Lower Upper
173 100
175 1738.0 24.3 73.0#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058662.D

Acq: 9 Oct 2019 23:34

Instrument :

MSVOA_N

ClientSampleId :

MW-3DL

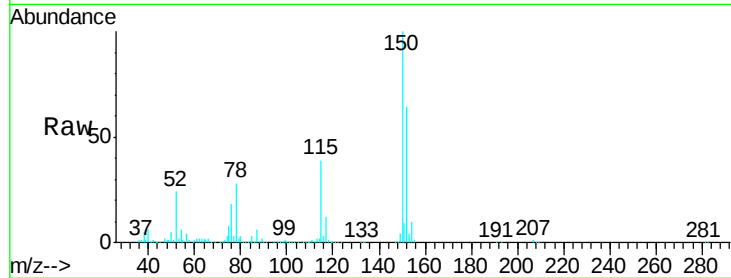
Tgt Ion:152 Resp: 276966

Ion Ratio Lower Upper

152 100

115 60.3 30.0 90.0

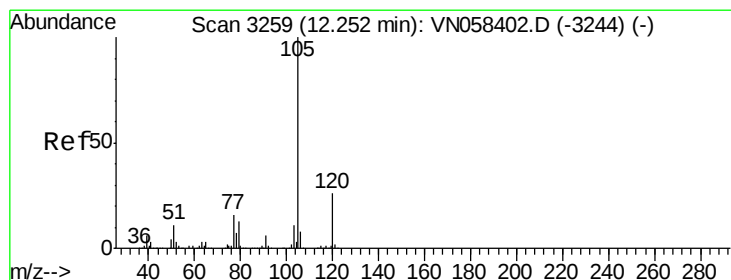
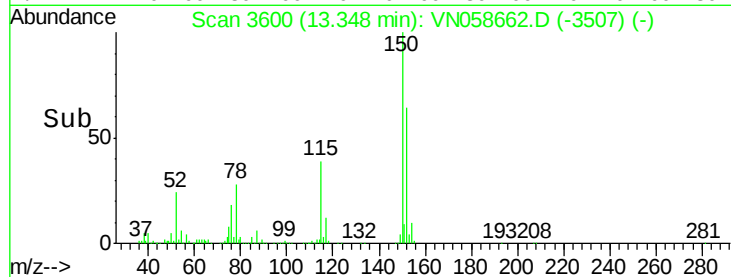
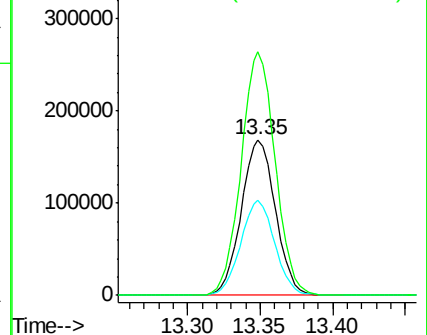
150 155.6 0.0 348.2



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: 19.712 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058662.D

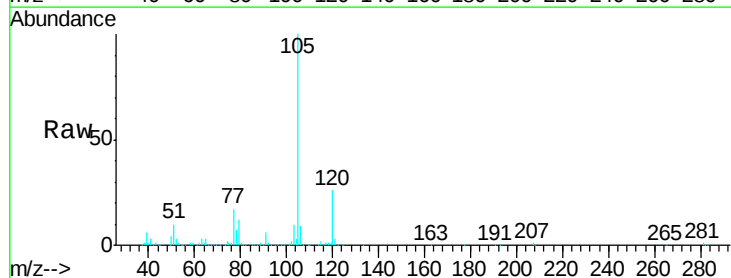
Acq: 9 Oct 2019 23:34

Tgt Ion:105 Resp: 403483

Ion Ratio Lower Upper

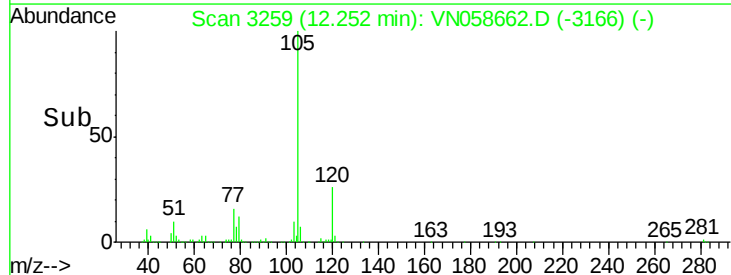
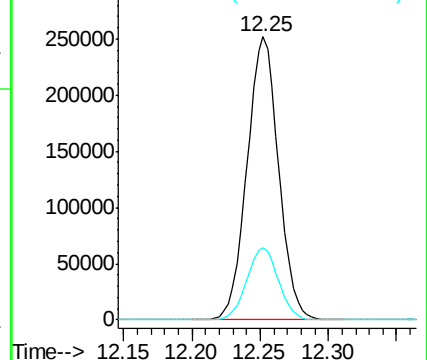
105 100

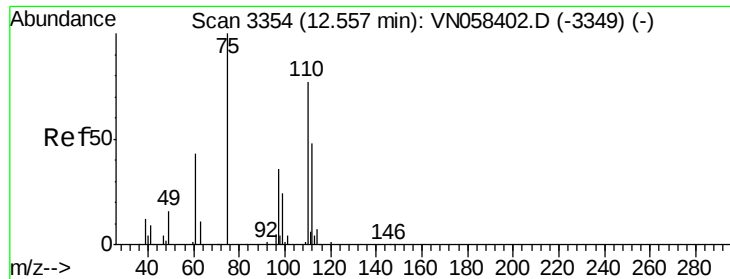
120 25.7 12.8 38.4



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: 33.127 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN058662.D

Acq: 9 Oct 2019 23:34

Instrument :

MSVOA_N

ClientSampled :

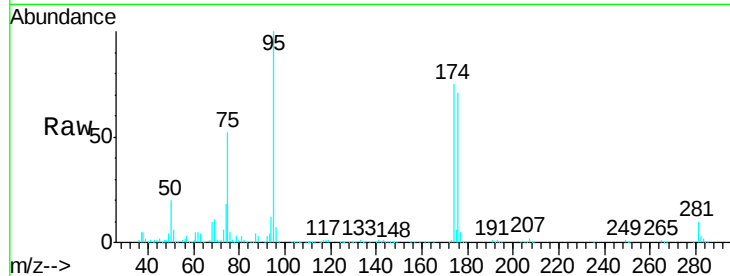
MW-3DL

Tgt Ion: 75 Resp: 167581

Ion Ratio Lower Upper

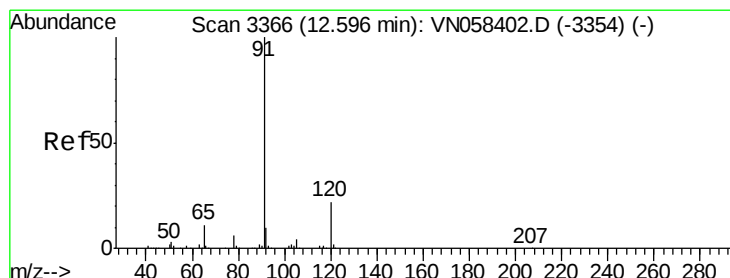
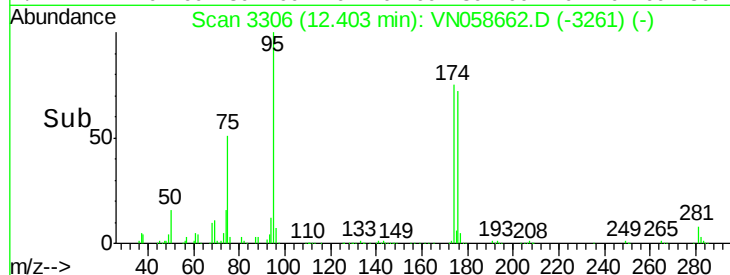
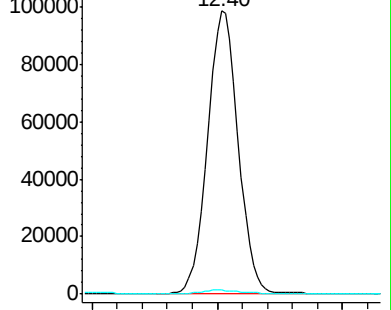
75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#78

n-propylbenzene

Concen: 15.235 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN058662.D

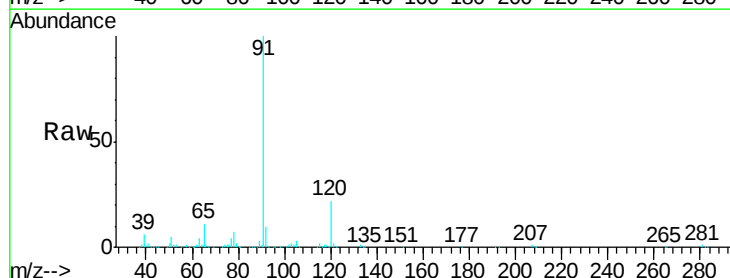
Acq: 9 Oct 2019 23:34

Tgt Ion: 91 Resp: 351329

Ion Ratio Lower Upper

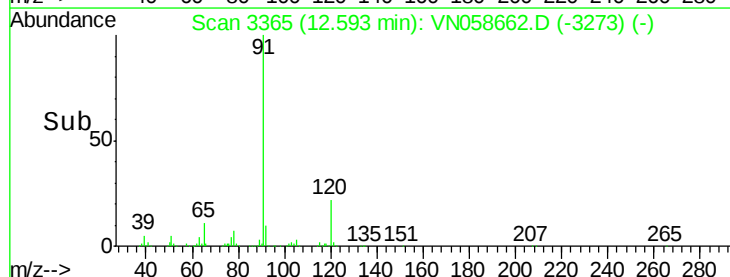
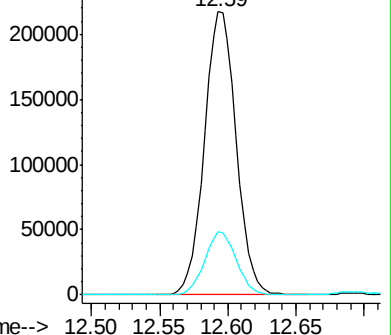
91 100

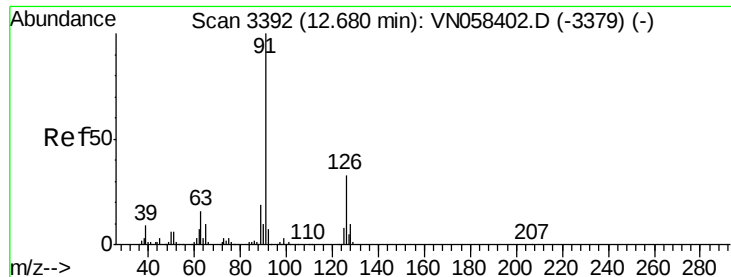
120 22.0 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 24.683 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.09 min

Lab File: VN058662.D

Acq: 9 Oct 2019 23:34

Instrument :

MSVOA_N

ClientSampleId :

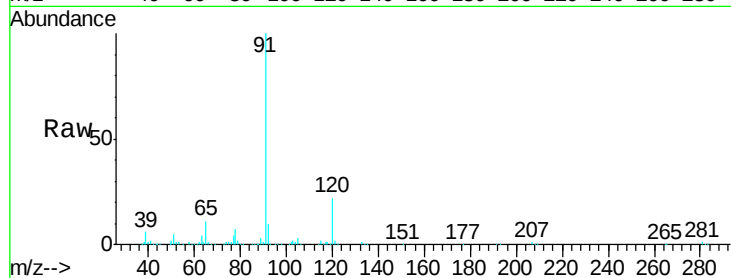
MW-3DL

Tgt Ion: 91 Resp: 351329

Ion Ratio Lower Upper

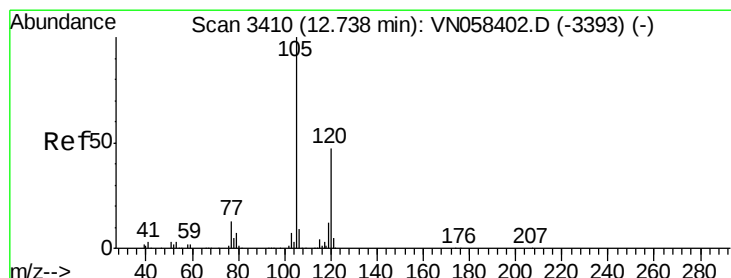
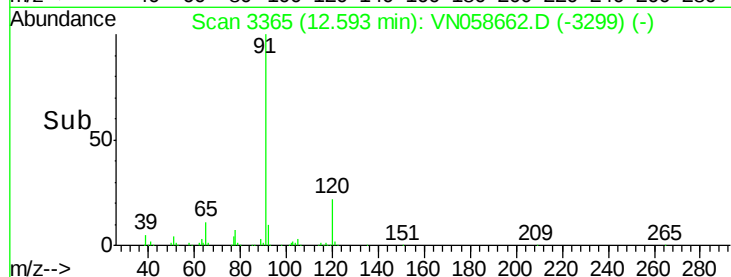
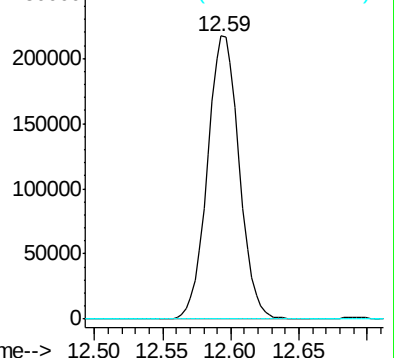
91 100

126 0.0 16.2 48.6#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 3.526 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058662.D

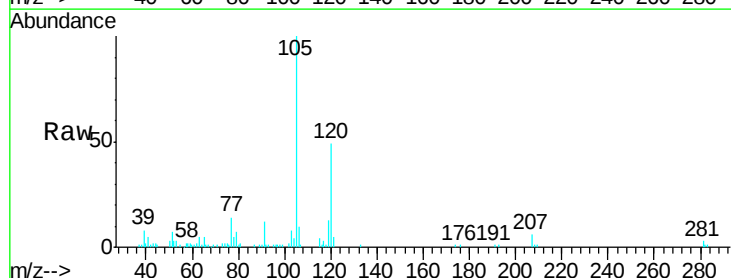
Acq: 9 Oct 2019 23:34

Tgt Ion: 105 Resp: 60417

Ion Ratio Lower Upper

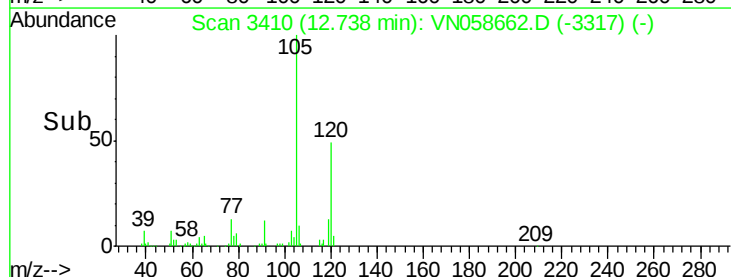
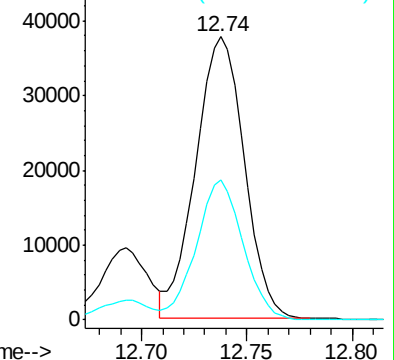
105 100

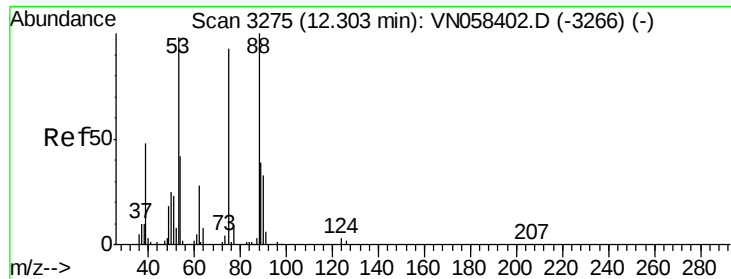
120 47.7 23.5 70.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 3.095 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.05 min

Lab File: VN058662.D

Acq: 9 Oct 2019 23:34

Instrument :

MSVOA_N

ClientSampleId :

MW-3DL

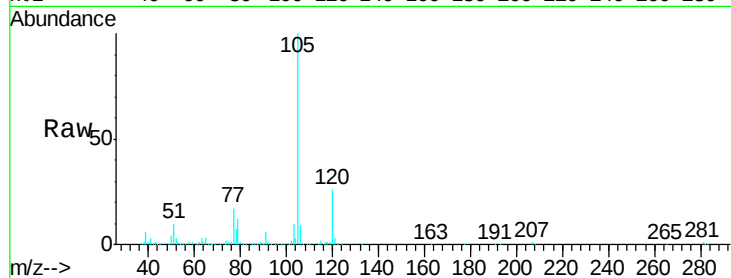
Tgt Ion: 75 Resp: 5155

Ion Ratio Lower Upper

75 100

53 116.9 85.4 128.0

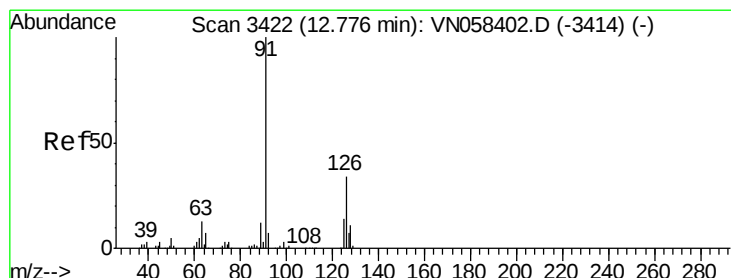
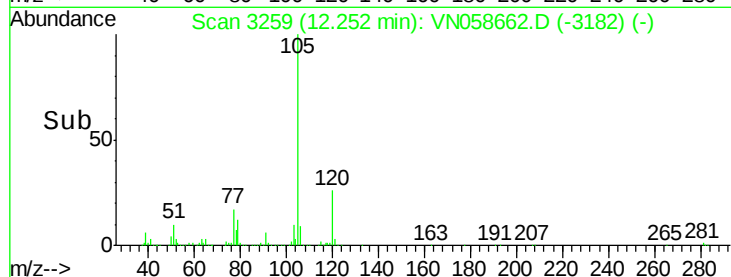
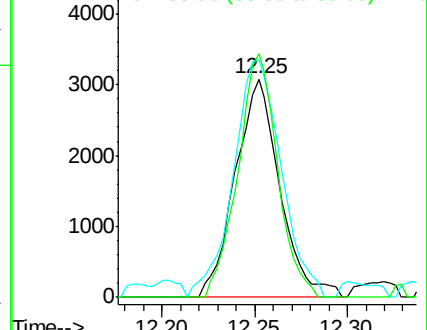
89 98.9 35.0 52.4#



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: 1.175 ug/l

RT: 12.90 min Scan# 3459

Delta R.T. 0.12 min

Lab File: VN058662.D

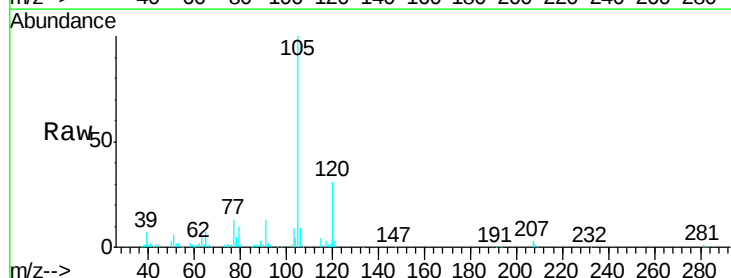
Acq: 9 Oct 2019 23:34

Tgt Ion: 91 Resp: 17059

Ion Ratio Lower Upper

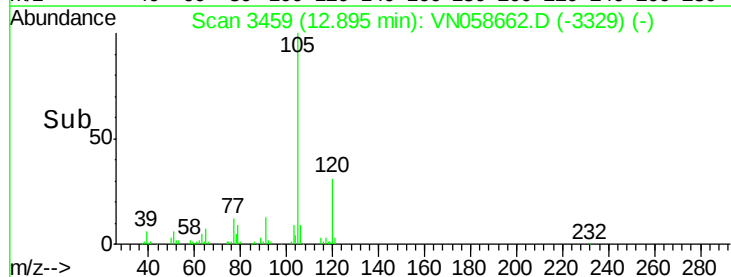
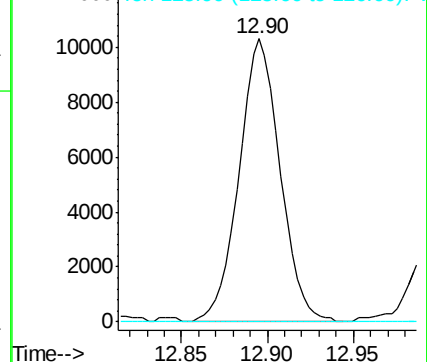
91 100

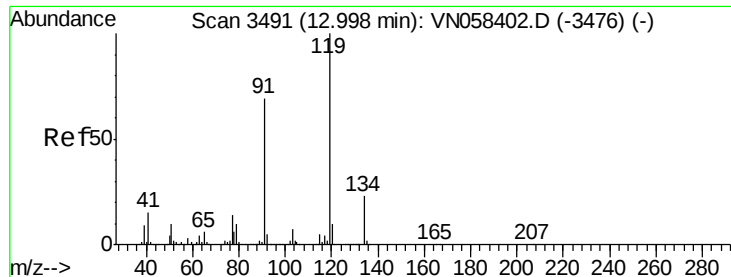
126 0.0 15.9 47.7#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

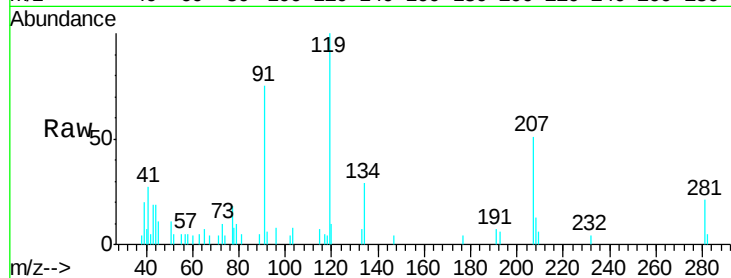




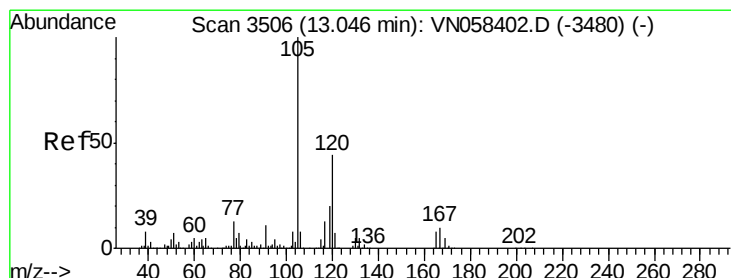
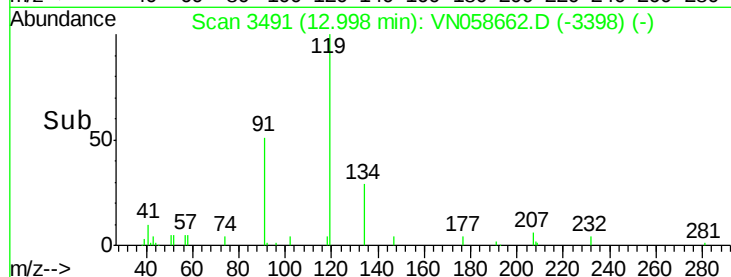
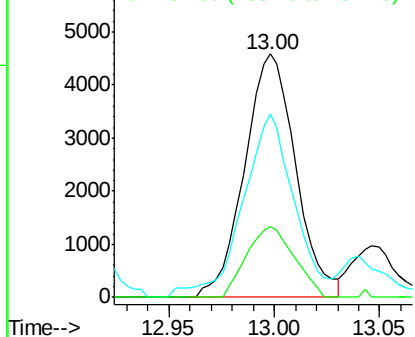
#83
tert-Butylbenzene
Concen: 0.535 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN058662.D
Acq: 9 Oct 2019 23:34

Instrument :
MSVOA_N
ClientSampled :
MW-3DL

Tgt Ion:119 Resp: 7742
Ion Ratio Lower Upper
119 100
91 75.5 34.2 102.6
134 26.9 11.6 34.8

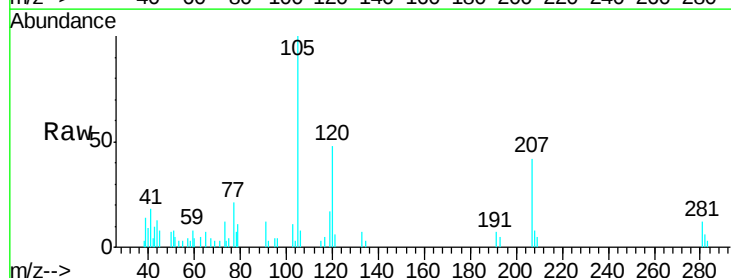


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

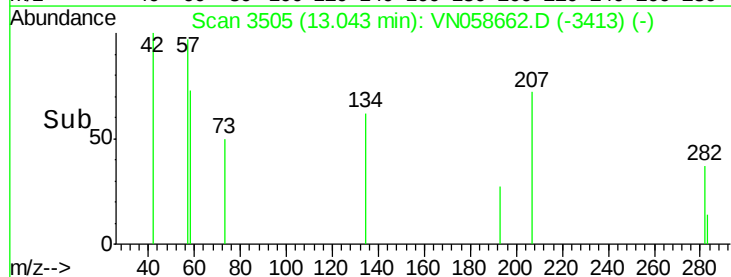
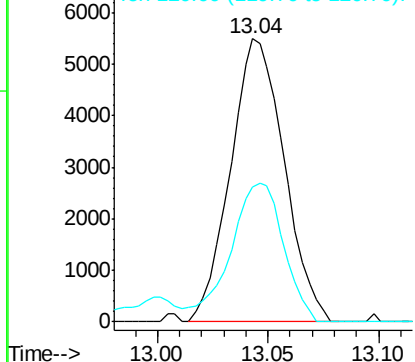


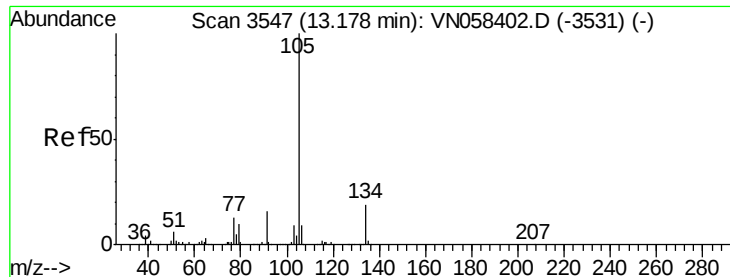
#84
1,2,4-Trimethylbenzene
Concen: 0.541 ug/l
RT: 13.04 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN058662.D
Acq: 9 Oct 2019 23:34

Tgt Ion:105 Resp: 9293
Ion Ratio Lower Upper
105 100
120 48.7 21.7 65.1



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 1.178 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058662.D

Acq: 9 Oct 2019 23:34

Instrument :

MSVOA_N

ClientSampled :

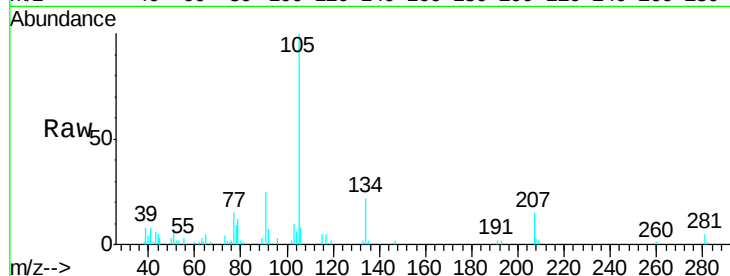
MW-3DL

Tgt Ion:105 Resp: 22417

Ion Ratio Lower Upper

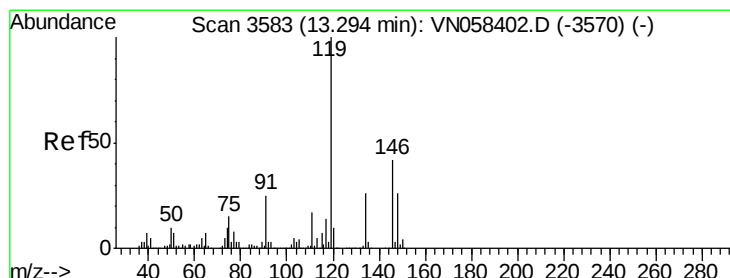
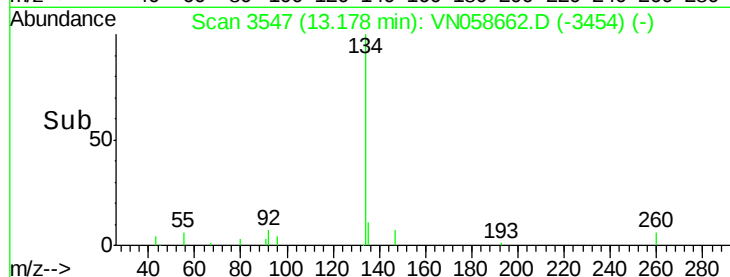
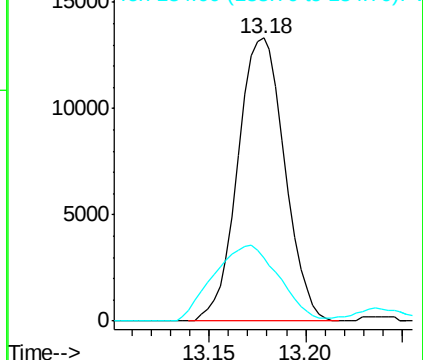
105 100

134 37.6 9.4 28.2#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.492 ug/l

RT: 13.45 min Scan# 3631

Delta R.T. 0.15 min

Lab File: VN058662.D

Acq: 9 Oct 2019 23:34

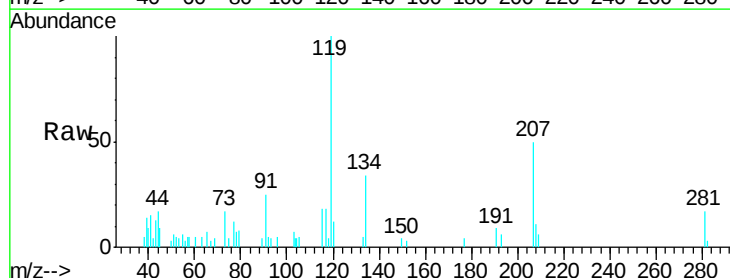
Tgt Ion:119 Resp: 8247

Ion Ratio Lower Upper

119 100

134 33.2 13.0 39.0

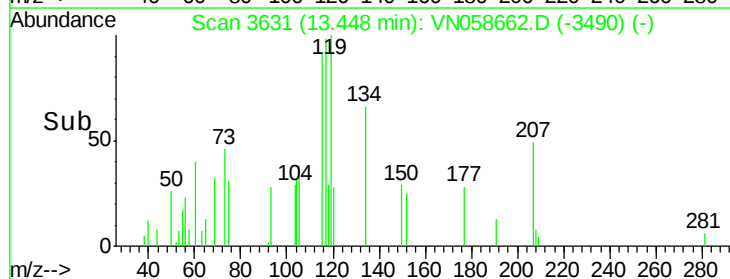
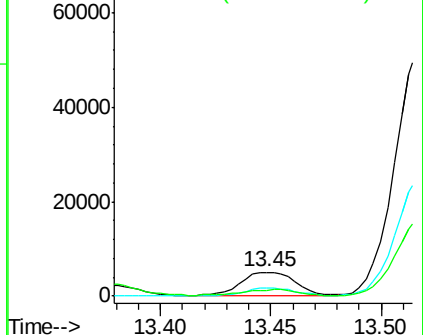
91 33.5 12.4 37.0

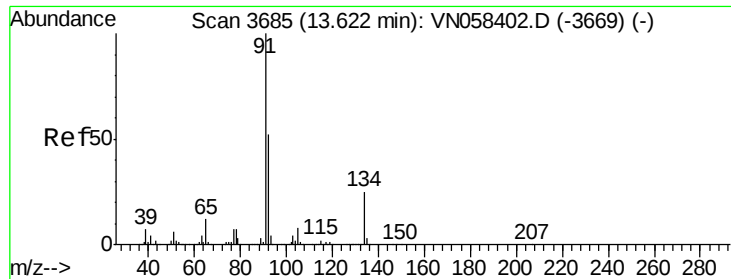


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

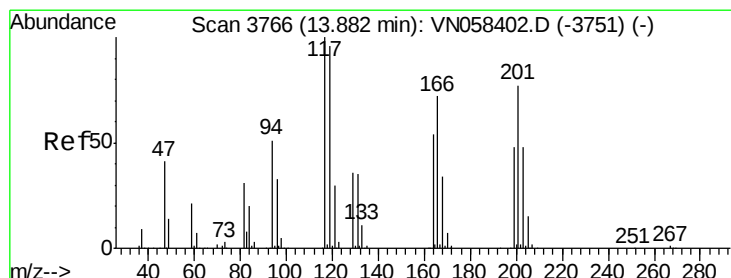
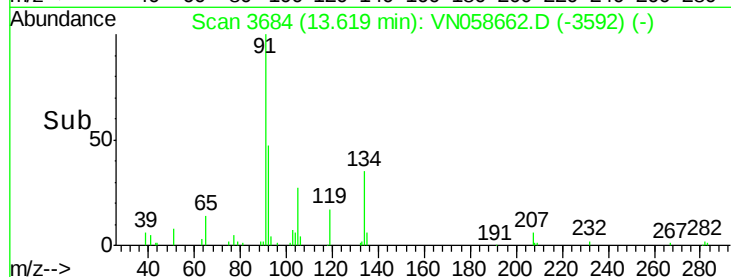
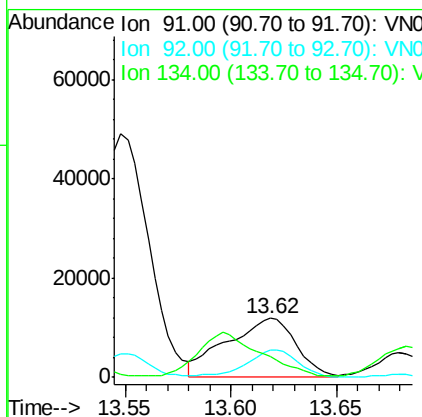
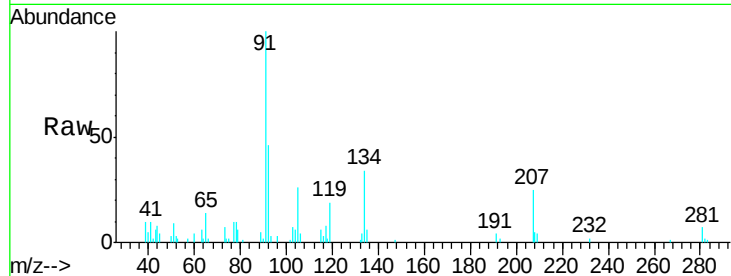




#89
n-Butylbenzene
Concen: 1.788 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. -0.00 min
Lab File: VN058662.D
Acq: 9 Oct 2019 23:34

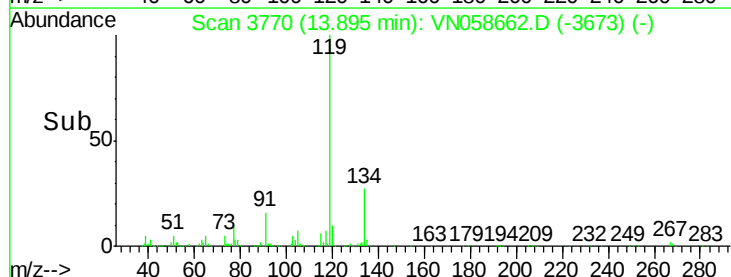
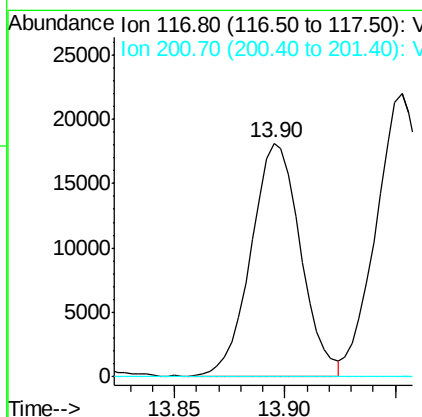
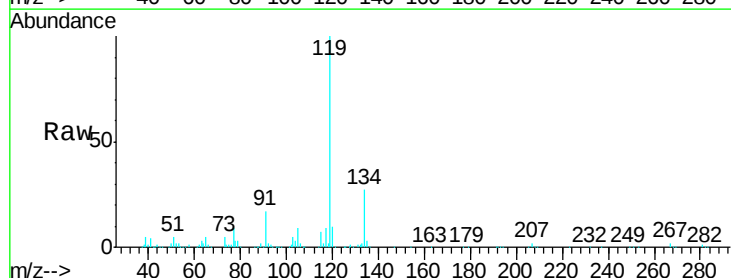
Instrument :
MSVOA_N
ClientSampleId :
MW-3DL

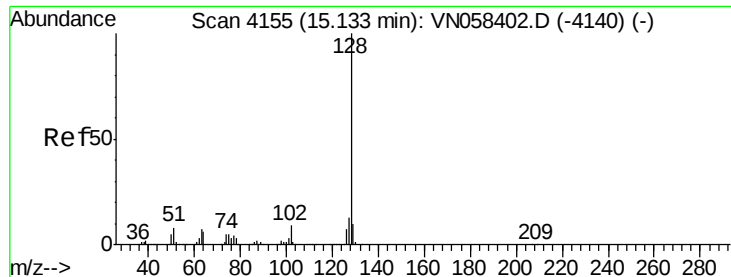
Tgt Ion: 91 Resp: 27129
Ion Ratio Lower Upper
91 100
92 34.6 25.7 77.1
134 0.0 12.2 36.6#



#90
Hexachloroethane
Concen: 11.224 ug/l
RT: 13.90 min Scan# 3770
Delta R.T. 0.01 min
Lab File: VN058662.D
Acq: 9 Oct 2019 23:34

Tgt Ion: 117 Resp: 28249
Ion Ratio Lower Upper
117 100
201 0.0 38.6 116.0#





#95

Naphthalene

Concen: 6.722 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058662.D

Acq: 9 Oct 2019 23:34

Instrument :

MSVOA_N

ClientSampleId :

MW-3DL

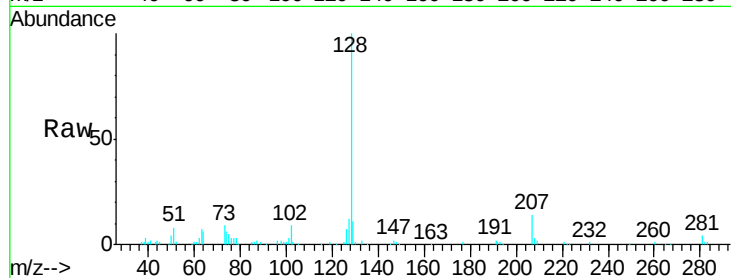
Tgt Ion:128 Resp: 91303

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.4

129 11.4 8.3 12.5



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

