

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081220\
 Data File : VN062871.D
 Acq On : 12 Aug 2020 21:03
 Operator : JC/MD
 Sample : L3645-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 GW-3

Quant Time: Aug 13 05:25:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080520W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:26:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	113993	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	214133	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	202834	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	76809	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	100384	53.25	ug/l	0.00
Spiked Amount			Recovery	=	106.50%	
35) Dibromofluoromethane	7.55	113	72575	49.55	ug/l	0.00
Spiked Amount			Recovery	=	99.10%	
50) Toluene-d8	10.06	98	263125	46.01	ug/l	0.00
Spiked Amount			Recovery	=	92.02%	
62) 4-Bromofluorobenzene	12.38	95	94789	43.86	ug/l	0.00
Spiked Amount			Recovery	=	87.72%	

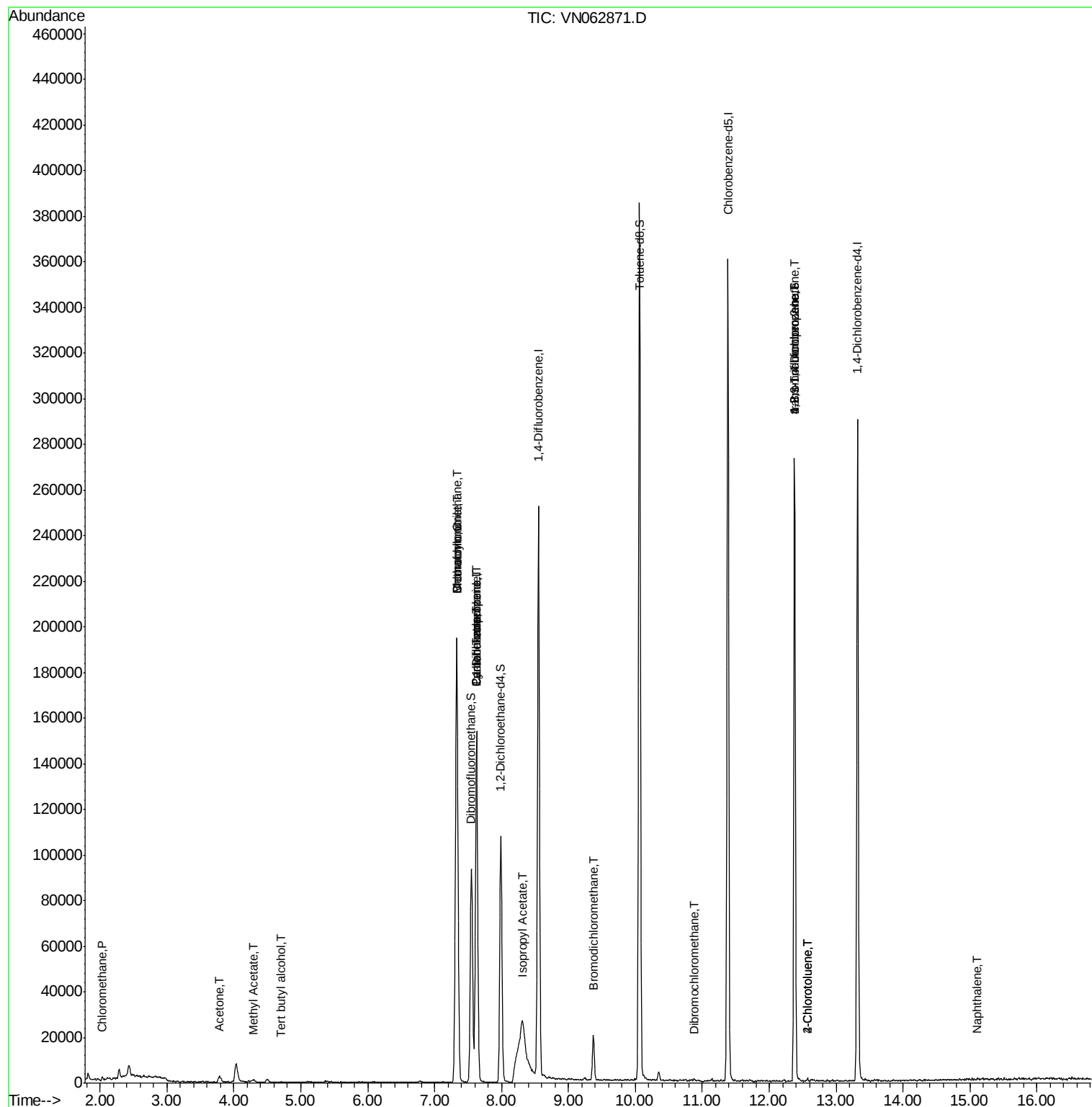
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	1074	0.697	ug/l #	79
11) Tert butyl alcohol	4.71	59	68	0.220	ug/l #	72
16) Acetone	3.79	43	4951	7.269	ug/l #	84
17) Carbon Disulfide	4.01	76	796	Below Cal	#	74
18) Methyl Acetate	4.29	43	2508	0.437	ug/l #	79
20) Methylene Chloride	4.50	84	128	Below Cal	#	1
28) Bromochloromethane	7.33	49	16823	14.000	ug/l #	14
30) Chloroform	7.33	83	210047	79.383	ug/l	96
31) Cyclohexane	7.63	56	2614	1.144	ug/l #	15
36) 1,1-Dichloropropene	7.63	75	10014	4.803	ug/l #	51
38) Carbon Tetrachloride	7.63	117	12548	5.088	ug/l #	15
41) Methacrylonitrile	7.33	41	447	0.455	ug/l #	6
43) Isopropyl Acetate	8.30	43	40052	11.025	ug/l #	62
47) Bromodichloromethane	9.37	83	14869	6.000	ug/l	92
60) Dibromochloromethane	10.88	129	574	0.307	ug/l	93
76) 1,2,3-Trichloropropane	12.38	75	51714	24.965	ug/l #	100
79) 2-Chlorotoluene	12.57	91	1134	0.266	ug/l #	44
81) trans-1,4-Dichloro-2-buten	12.38	75	51714	76.211	ug/l #	10
82) 4-Chlorotoluene	12.57	91	1134	0.258	ug/l #	44
95) Naphthalene	15.11	128	597	3.865	ug/l #	68

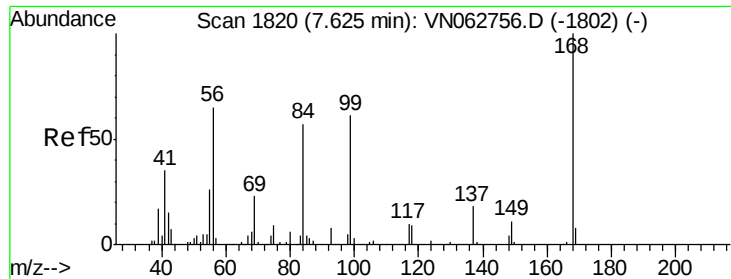
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN062871.D

Acq: 12 Aug 2020 21:03

Instrument :

MSVOA_N

ClientSampled :

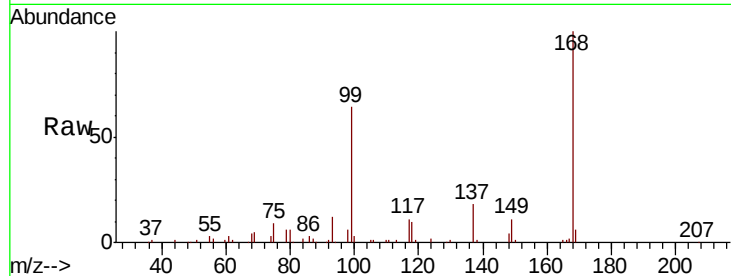
GW-3

Tot Ion:168 Resp: 113993

Ion Ratio Lower Upper

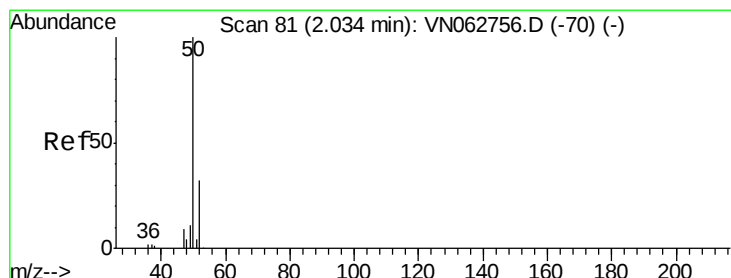
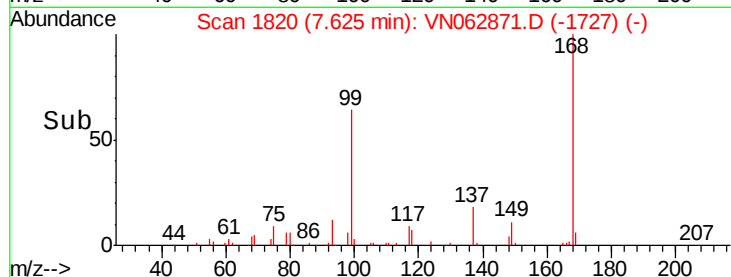
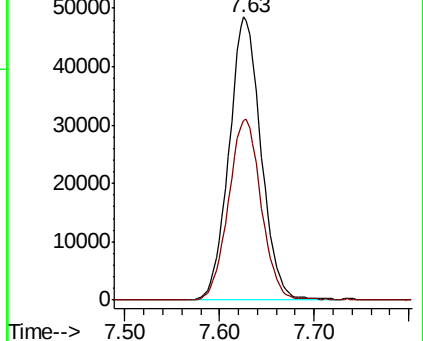
168 100

99 63.7 52.9 79.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#3

Chloromethane

Concen: 0.697 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN062871.D

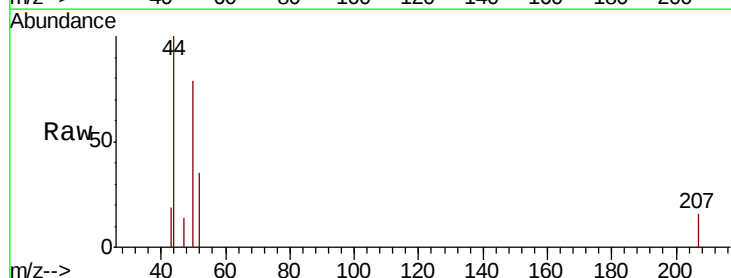
Acq: 12 Aug 2020 21:03

Tgt Ion: 50 Resp: 1074

Ion Ratio Lower Upper

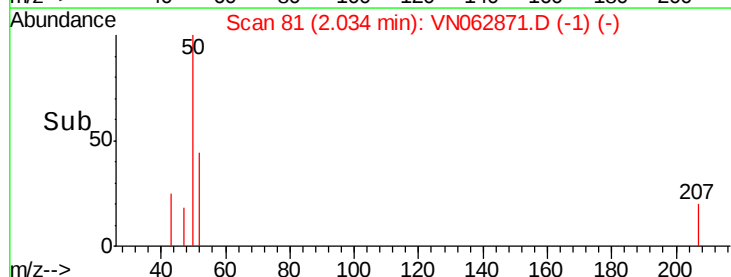
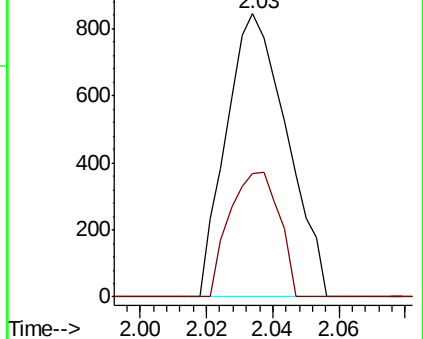
50 100

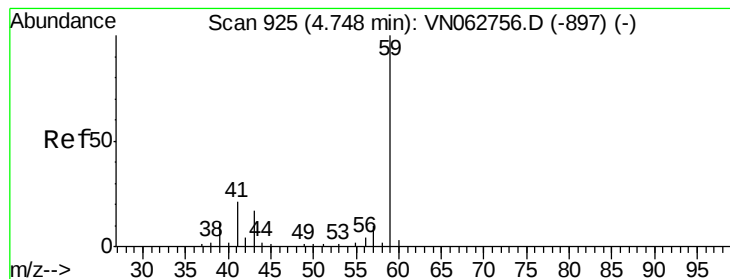
52 43.7 25.6 38.4#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



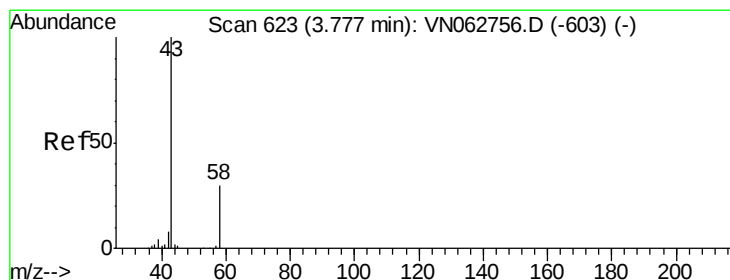
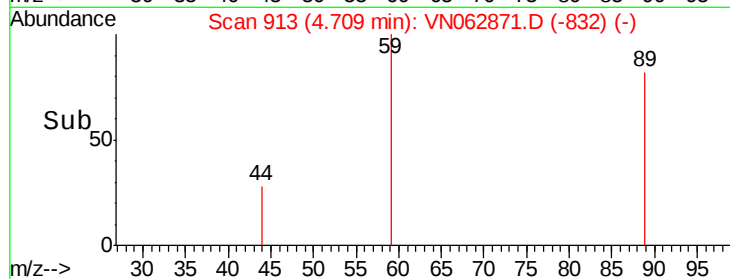
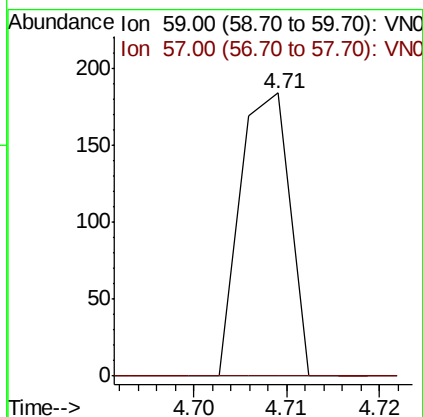
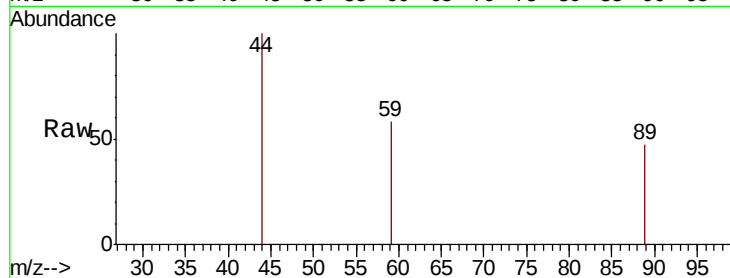


#11

Tert butyl alcohol
 Concen: 0.220 ug/l
 RT: 4.71 min Scan# 913
 Delta R.T. -0.04 min
 Lab File: VN062871.D
 Acq: 12 Aug 2020 21:03

Instrument :
 MSVOA_N
 ClientSampled :
 GW-3

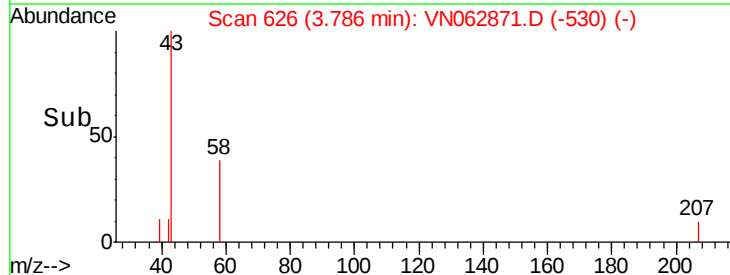
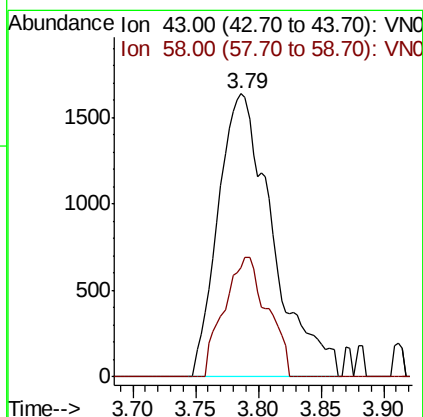
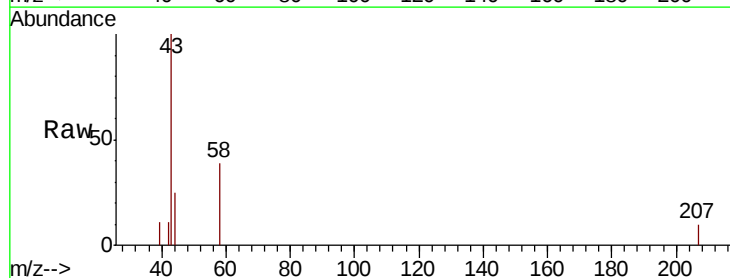
Tot Ion: 59 Resp: 68
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

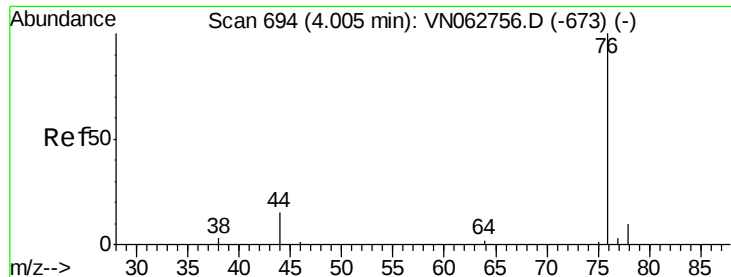


#16

Acetone
 Concen: 7.269 ug/l
 RT: 3.79 min Scan# 626
 Delta R.T. 0.01 min
 Lab File: VN062871.D
 Acq: 12 Aug 2020 21:03

Tgt Ion: 43 Resp: 4951
 Ion Ratio Lower Upper
 43 100
 58 38.8 24.1 36.1#

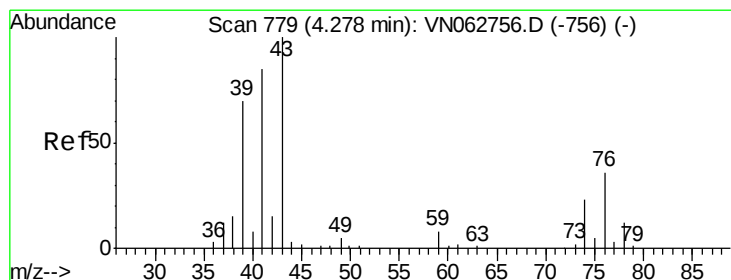
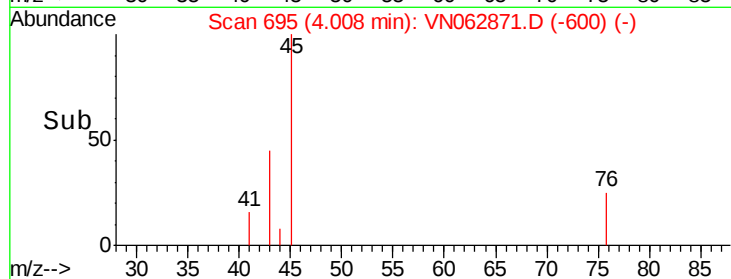
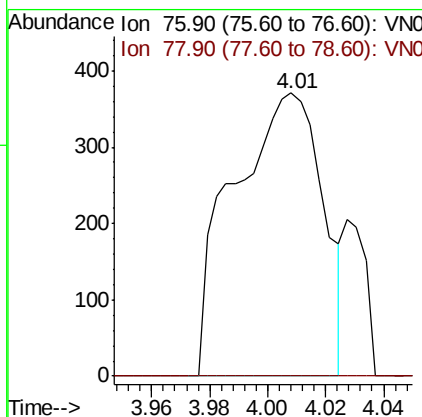
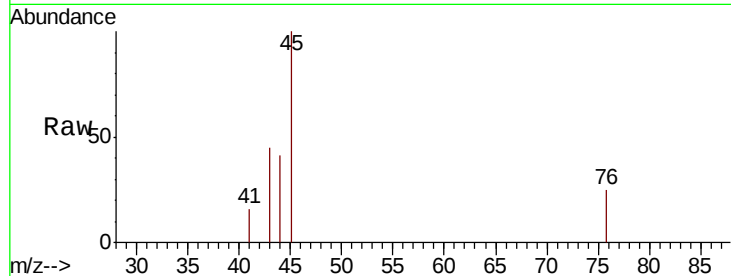




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.01 min Scan# 695
Delta R.T. 0.00 min
Lab File: VN062871.D
Acq: 12 Aug 2020 21:03

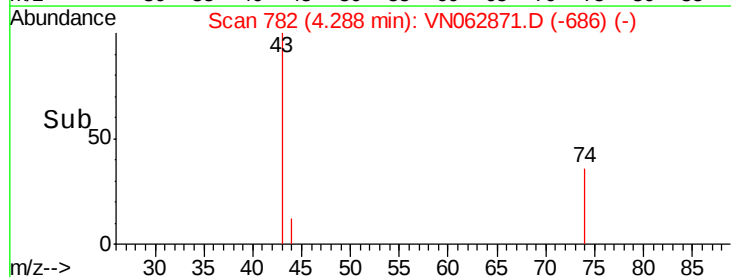
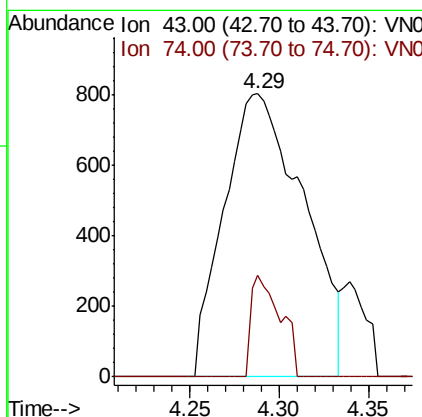
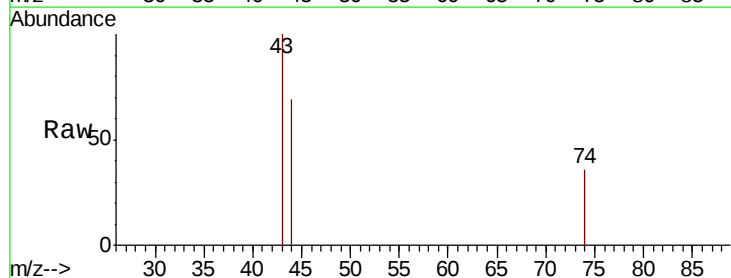
Instrument :
MSVOA_N
ClientSampled :
GW-3

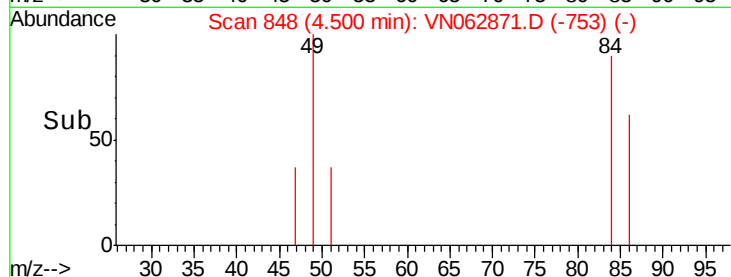
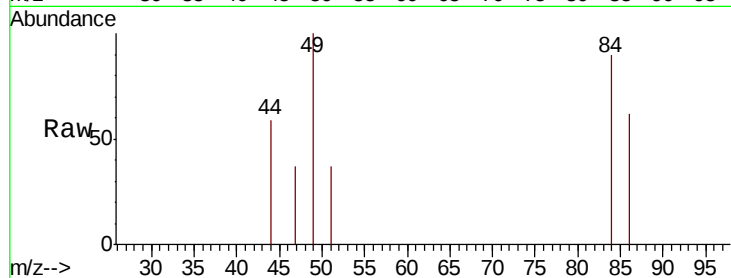
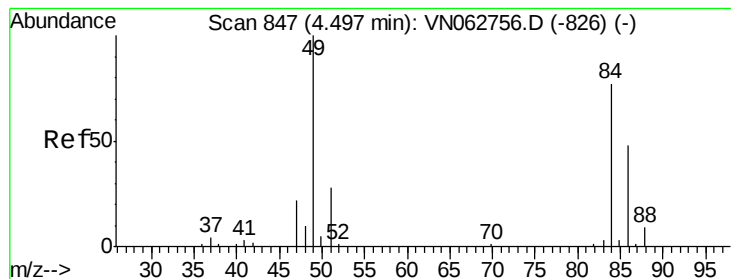
Tot Ion: 76 Resp: 796
Ion Ratio Lower Upper
76 100
78 0.0 7.7 11.5#



#18
Methyl Acetate
Concen: 0.437 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.01 min
Lab File: VN062871.D
Acq: 12 Aug 2020 21:03

Tgt Ion: 43 Resp: 2508
Ion Ratio Lower Upper
43 100
74 13.2 18.6 28.0#





#20

Methvlene Chloride

Concen: Below Cal

RT: 4.50 min Scan# 848

Delta R.T. 0.00 min

Lab File: VN062871.D

Acq: 12 Aug 2020 21:03

Instrument :

MSVOA_N

ClientSampled :

GW-3

Tot Ion: 84 Resp: 128

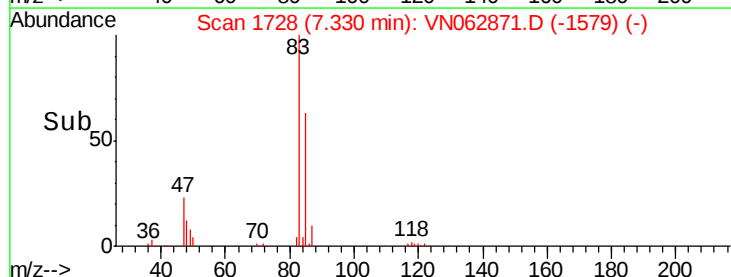
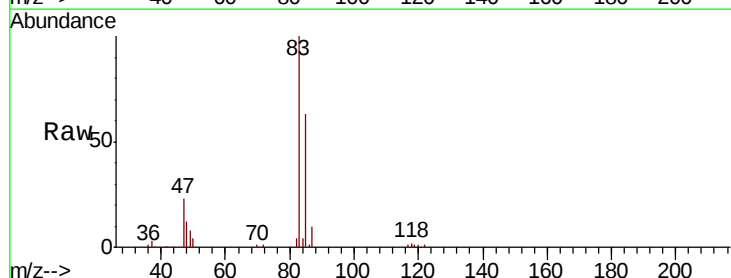
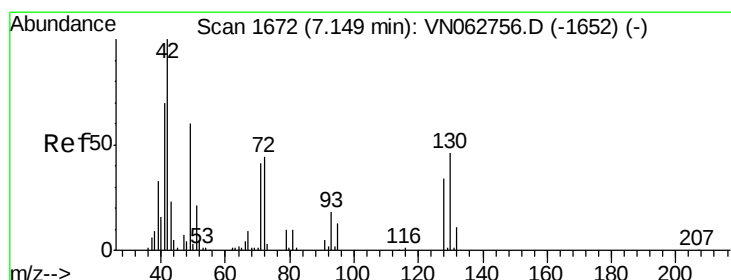
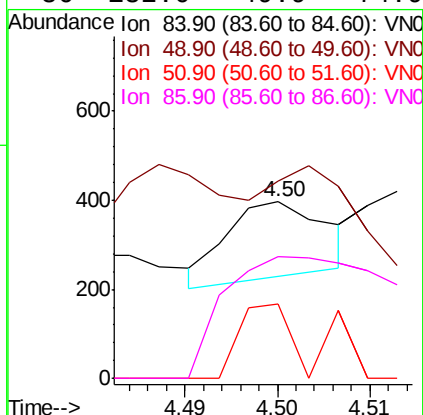
Ion Ratio Lower Upper

84 100

49 8.0 103.4 155.2#

51 110.7 29.3 43.9#

86 182.0 49.9 74.9#



#28

Bromochloromethane

Concen: 14.000 ug/l

RT: 7.33 min Scan# 1728

Delta R.T. 0.18 min

Lab File: VN062871.D

Acq: 12 Aug 2020 21:03

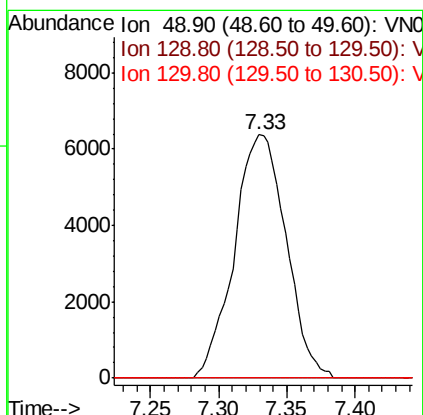
Tgt Ion: 49 Resp: 16823

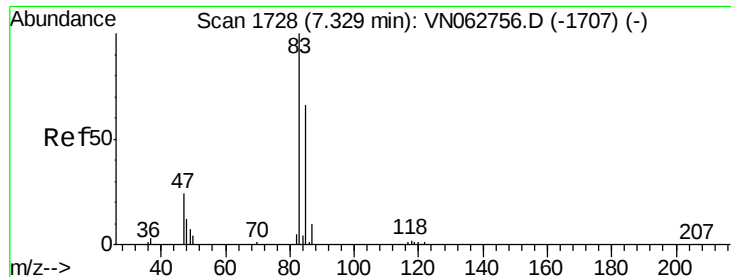
Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.2

130 0.0 59.0 88.6#

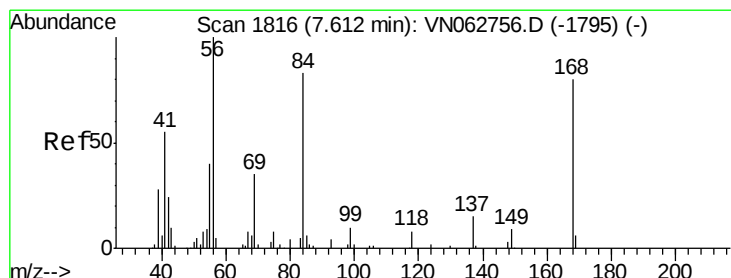
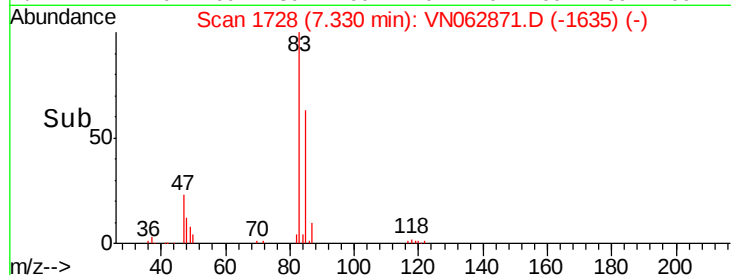
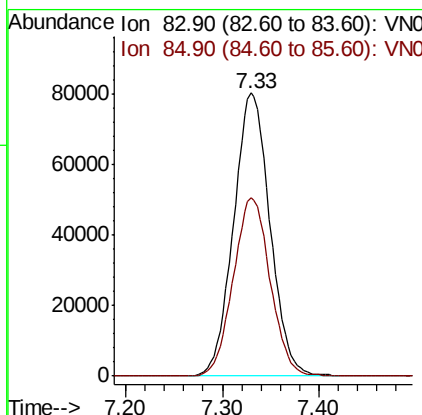
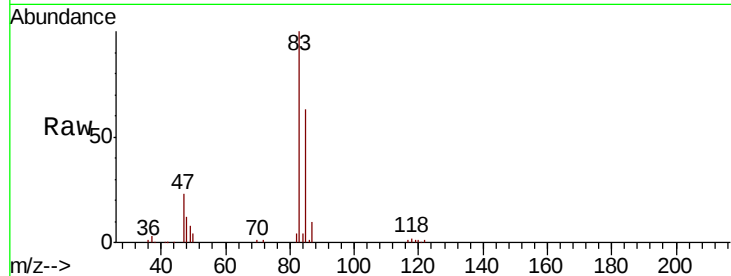




#30
Chloroform
Concen: 79.383 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. 0.00 min
Lab File: VN062871.D
Acq: 12 Aug 2020 21:03

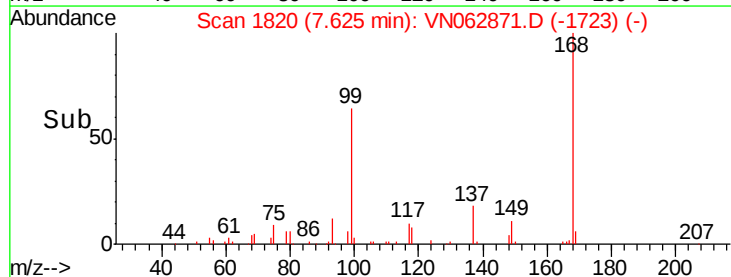
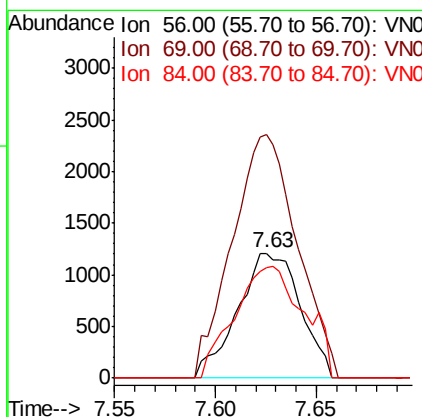
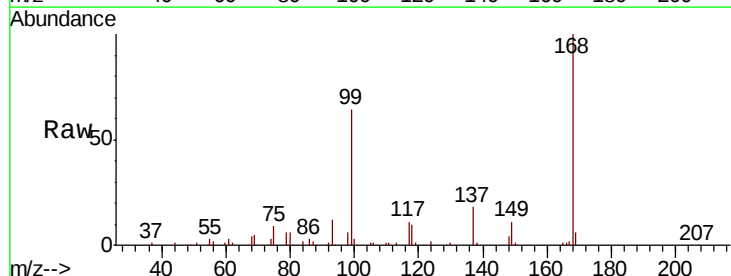
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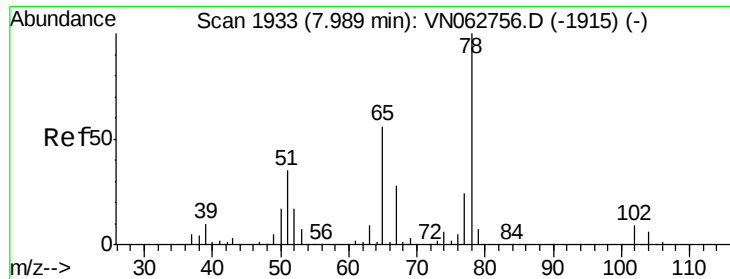
Tot Ion: 83 Resp: 210047
Ion Ratio Lower Upper
83 100
85 63.1 52.7 79.1



#31
Cyclohexane
Concen: 1.144 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. 0.01 min
Lab File: VN062871.D
Acq: 12 Aug 2020 21:03

Tgt Ion: 56 Resp: 2614
Ion Ratio Lower Upper
56 100
69 194.5 28.1 42.1#
84 88.4 66.8 100.2

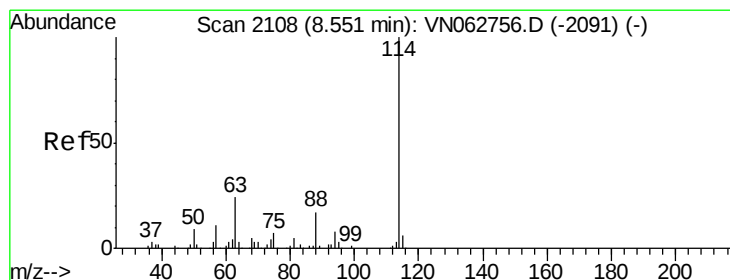
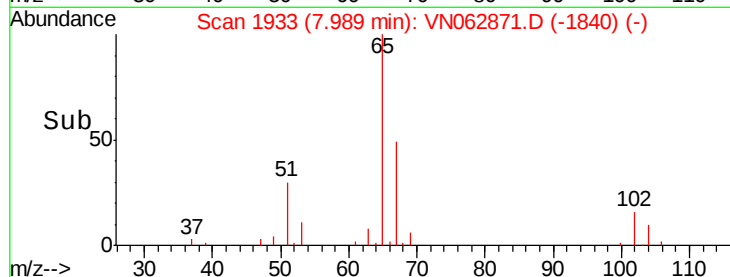
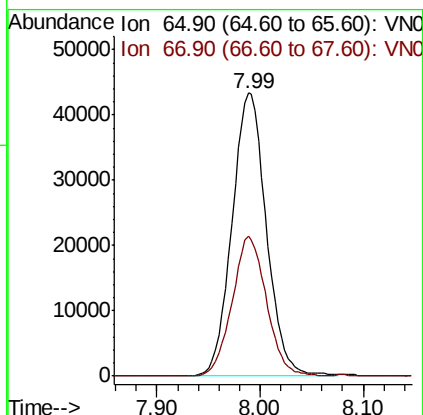
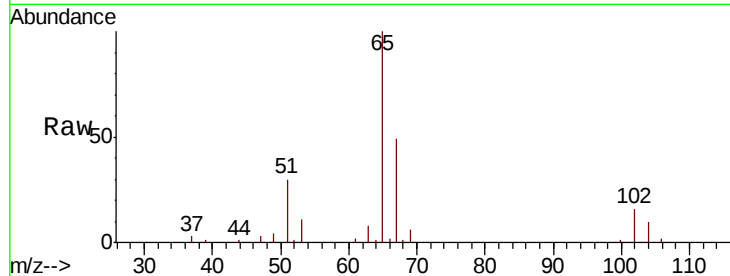




#33
 1,2-Dichloroethane-d4
 Concen: 53.252 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN062871.D
 Acq: 12 Aug 2020 21:03

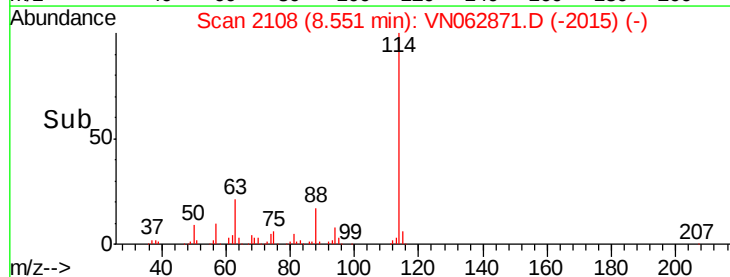
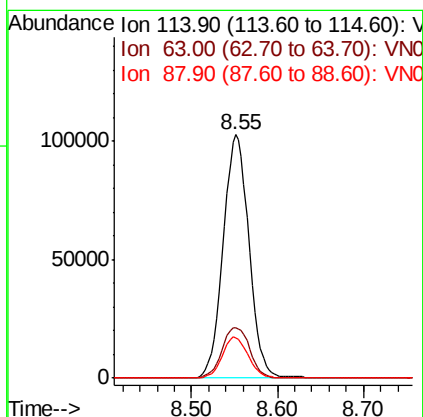
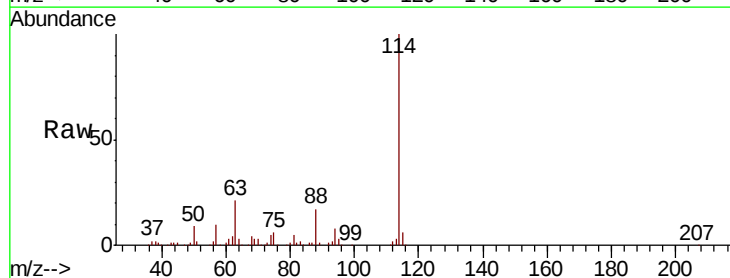
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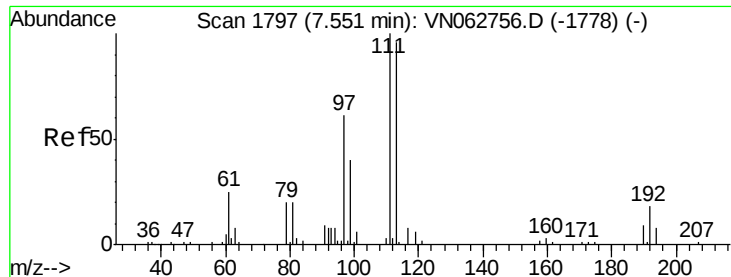
Tot Ion: 65 Resp: 100384
 Ion Ratio Lower Upper
 65 100
 67 49.5 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062871.D
 Acq: 12 Aug 2020 21:03

Tgt Ion: 114 Resp: 214133
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 47.6
 88 16.7 0.0 34.4

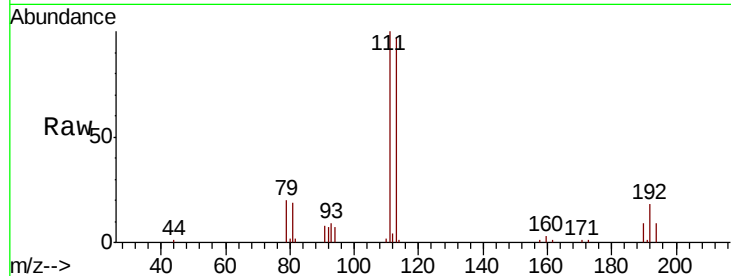




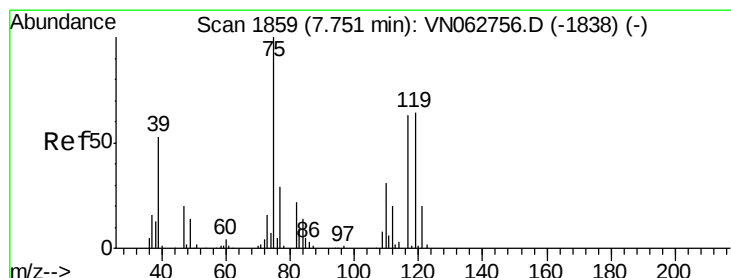
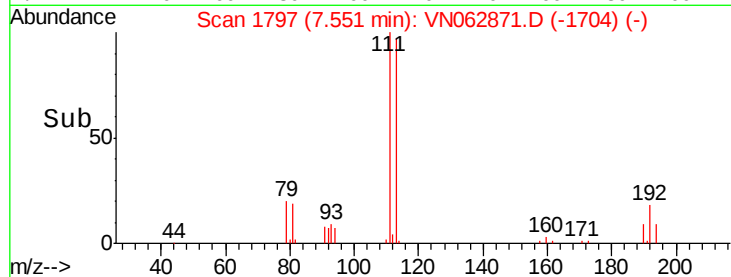
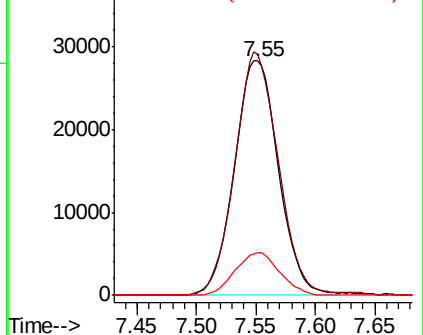
#35
Dibromofluoromethane
Concen: 49.546 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VN062871.D
Acq: 12 Aug 2020 21:03

Instrument :
MSVOA_N
ClientSampleId :
GW-3

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.8	122.6
192	18.4	15.0	22.4

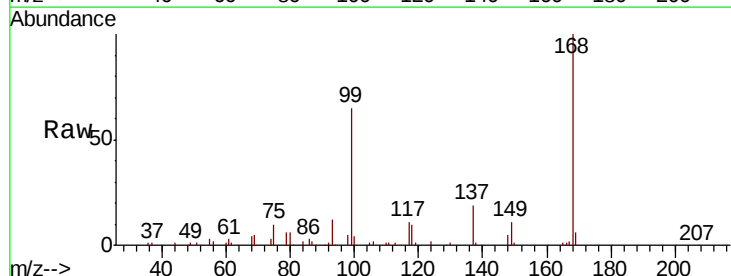


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

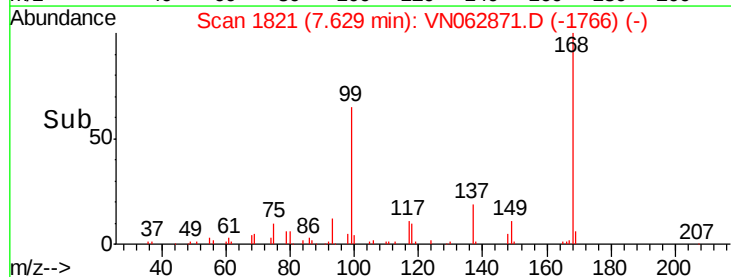
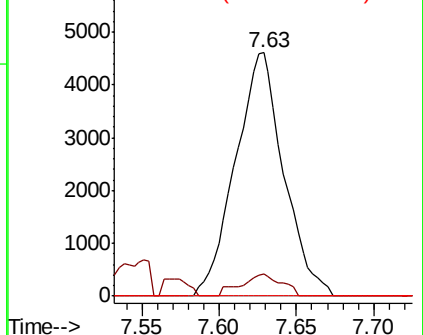


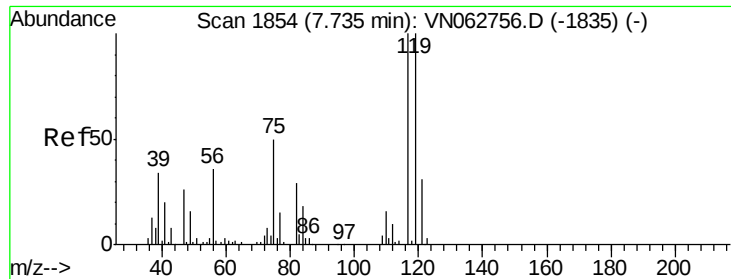
#36
1,1-Dichloropropene
Concen: 4.803 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.12 min
Lab File: VN062871.D
Acq: 12 Aug 2020 21:03

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.6	15.6	46.7#
77	0.0	24.1	36.1#



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

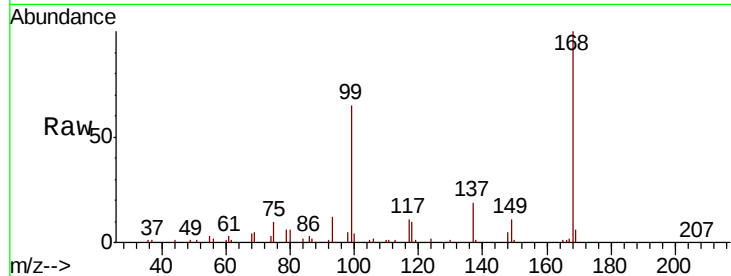




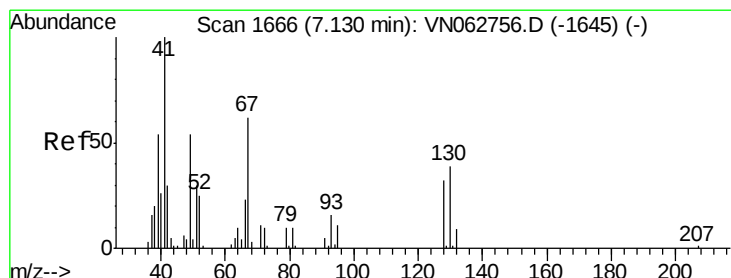
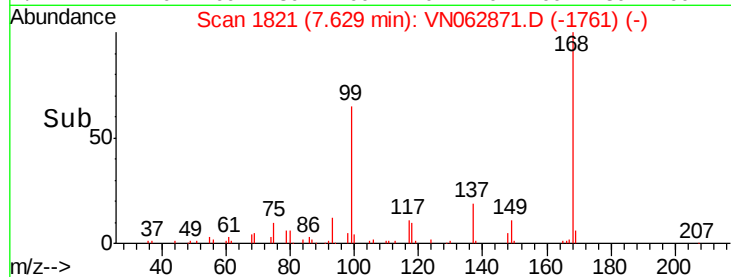
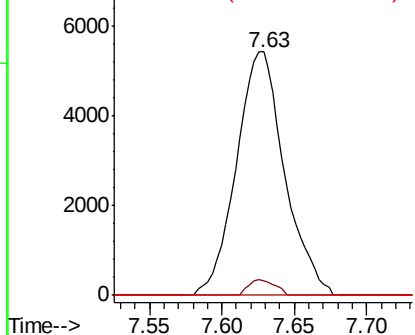
#38
Carbon Tetrachloride
Concen: 5.088 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.11 min
Lab File: VN062871.D
Acq: 12 Aug 2020 21:03

Instrument :
MSVOA_N
ClientSampled :
GW-3

Tot Ion:117 Resp: 12548
Ion Ratio Lower Upper
117 100
119 6.0 79.4 119.2#
121 0.0 24.9 37.3#

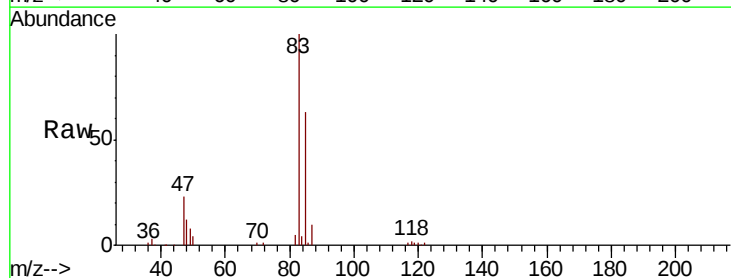


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

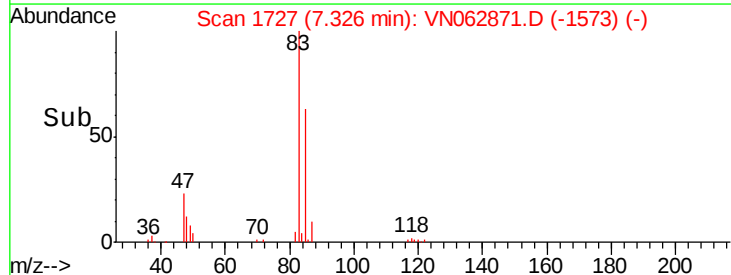
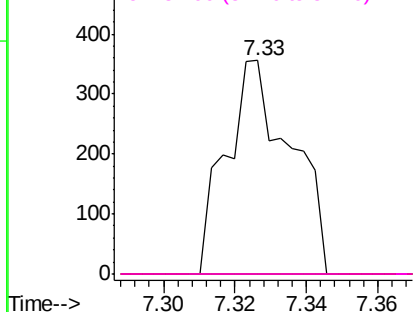


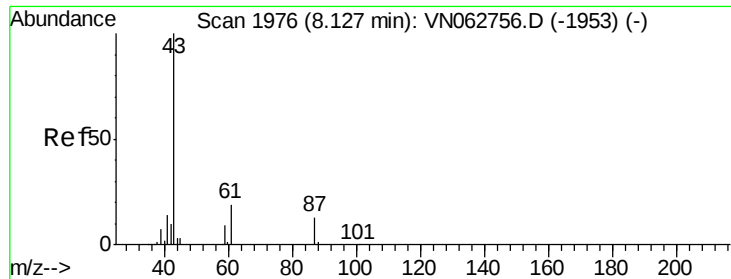
#41
Methacrylonitrile
Concen: 0.455 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. 0.20 min
Lab File: VN062871.D
Acq: 12 Aug 2020 21:03

Tgt Ion: 41 Resp: 447
Ion Ratio Lower Upper
41 100
39 0.0 69.4 104.2#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



Abundance Ion 41.00 (40.70 to 41.70): V
Ion 39.00 (38.70 to 39.70): V
Ion 67.00 (66.70 to 67.70): V
Ion 52.00 (51.70 to 52.70): V



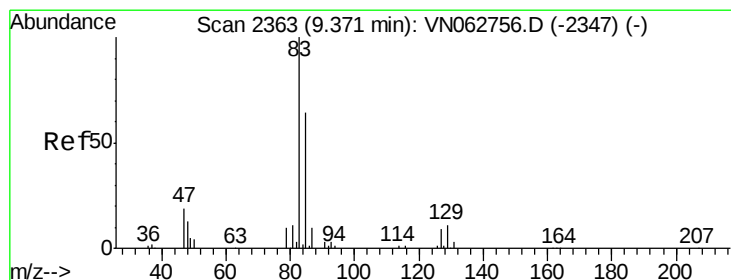
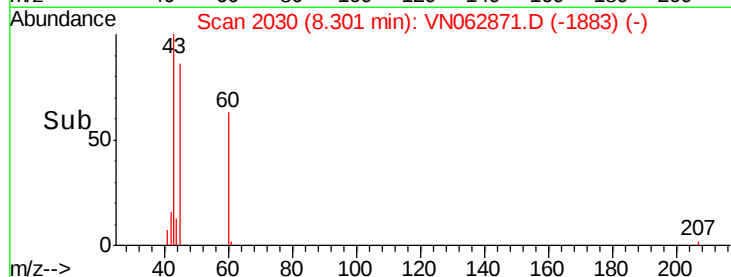
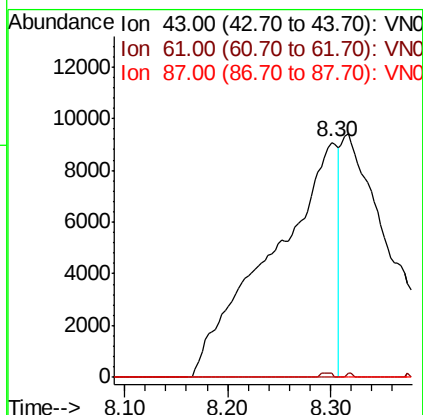
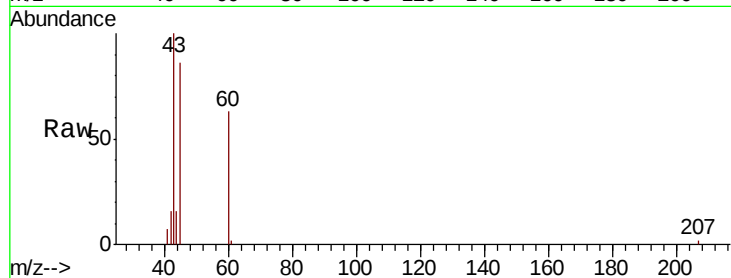


#43

Isopropyl Acetate
 Concen: 11.025 ug/l
 RT: 8.30 min Scan# 2030
 Delta R.T. 0.17 min
 Lab File: VN062871.D
 Acq: 12 Aug 2020 21:03

Instrument :
 MSVOA_N
 ClientSampleId :
 GW-3

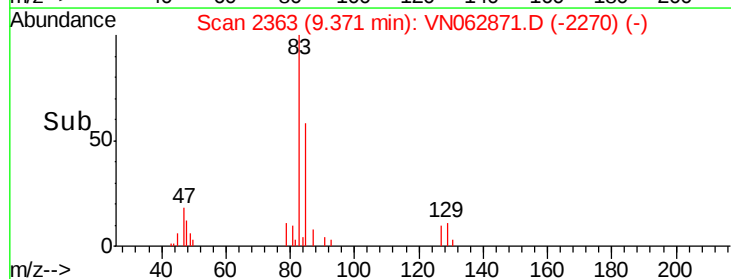
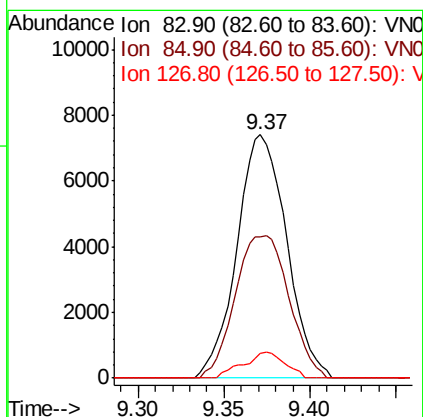
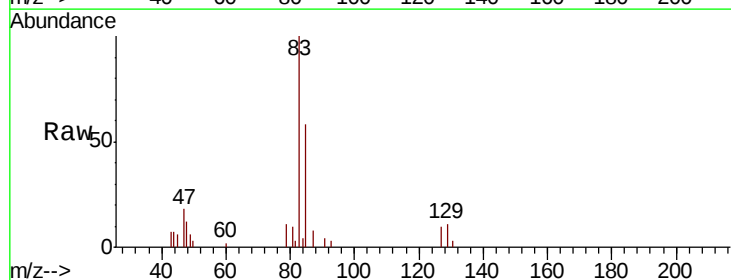
Tot Ion: 43 Resp: 40052
 Ion Ratio Lower Upper
 43 100
 61 0.3 15.8 23.6#
 87 0.0 9.9 14.9#

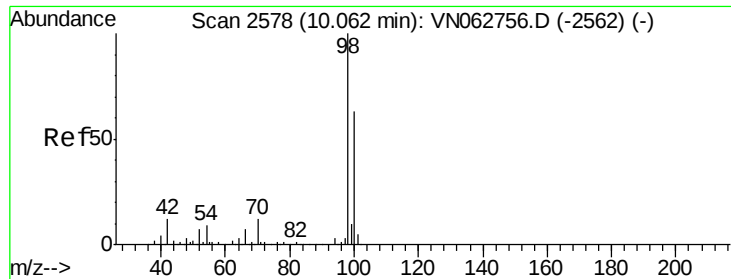


#47

Bromodichloromethane
 Concen: 6.000 ug/l
 RT: 9.37 min Scan# 2363
 Delta R.T. 0.00 min
 Lab File: VN062871.D
 Acq: 12 Aug 2020 21:03

Tgt Ion: 83 Resp: 14869
 Ion Ratio Lower Upper
 83 100
 85 57.9 51.4 77.0
 127 10.1 6.9 10.3

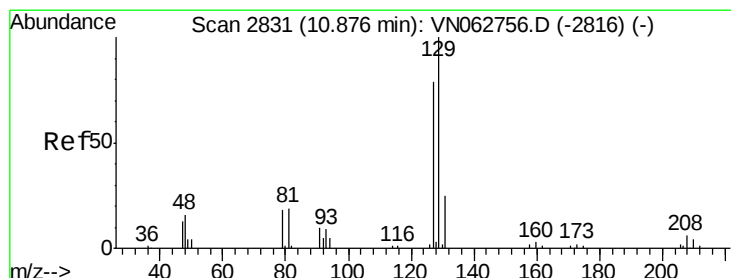
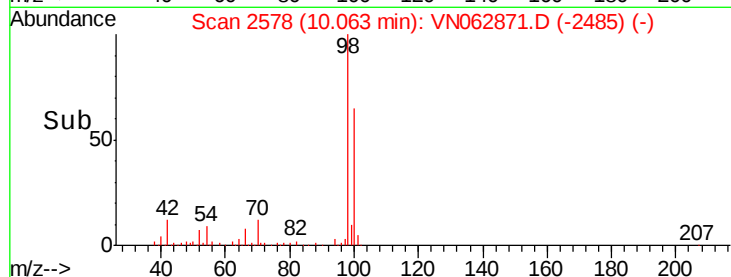
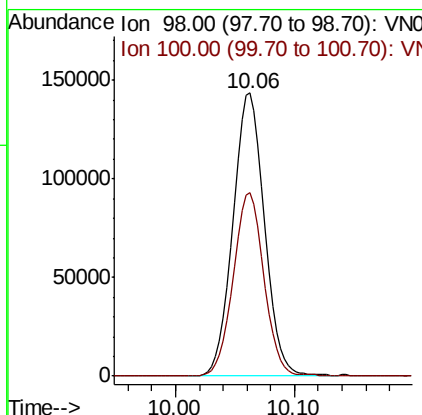
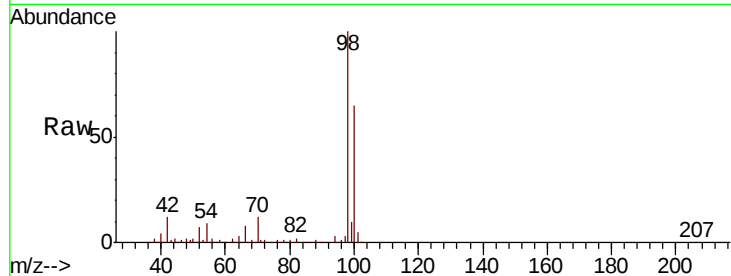




#50
Toluene-d8
Concen: 46.012 ug/l
RT: 10.06 min Scan# 2578
Delta R.T. 0.00 min
Lab File: VN062871.D
Acq: 12 Aug 2020 21:03

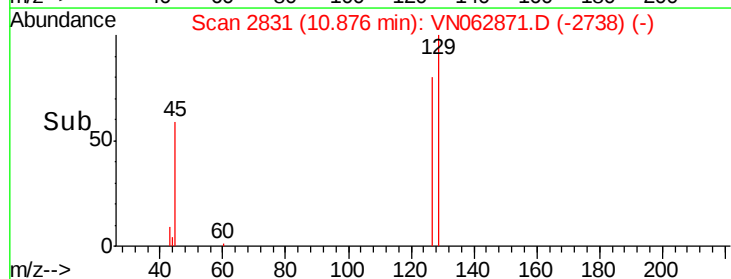
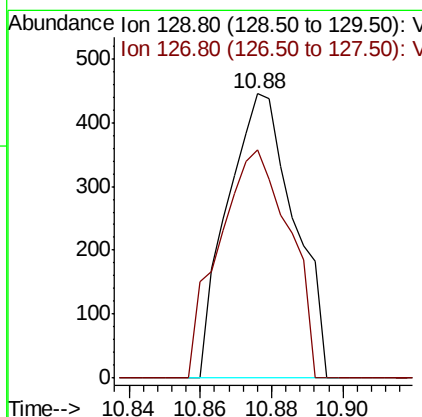
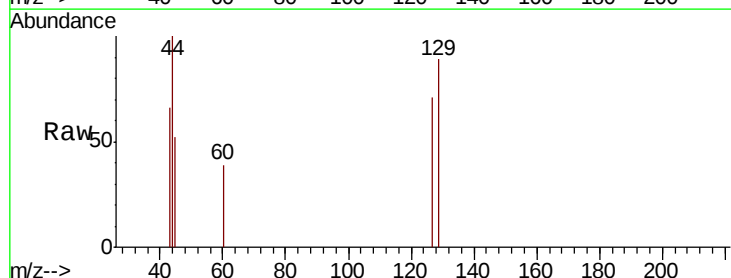
Instrument :
MSVOA_N
ClientSampleId :
GW-3

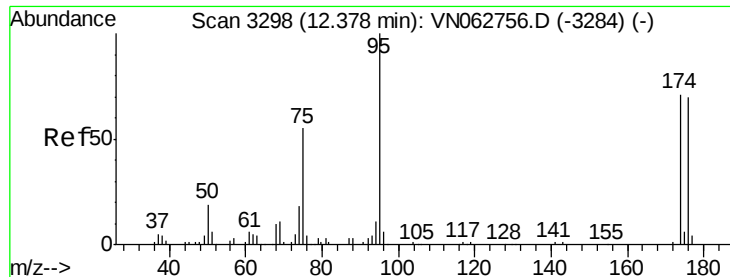
Tot Ion: 98 Resp: 263125
Ion Ratio Lower Upper
98 100
100 63.3 50.9 76.3



#60
Dibromochloromethane
Concen: 0.307 ug/l
RT: 10.88 min Scan# 2831
Delta R.T. 0.00 min
Lab File: VN062871.D
Acq: 12 Aug 2020 21:03

Tgt Ion: 129 Resp: 574
Ion Ratio Lower Upper
129 100
127 84.3 39.1 117.2

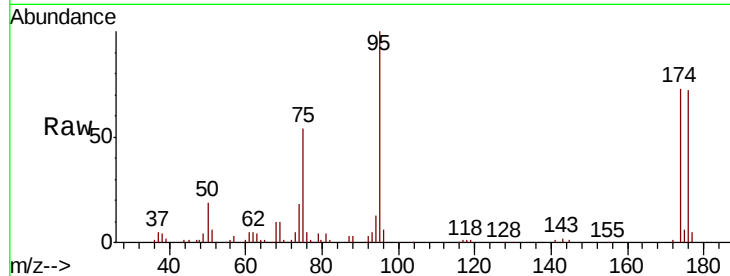




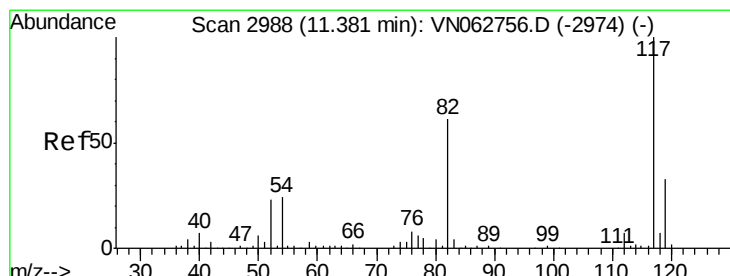
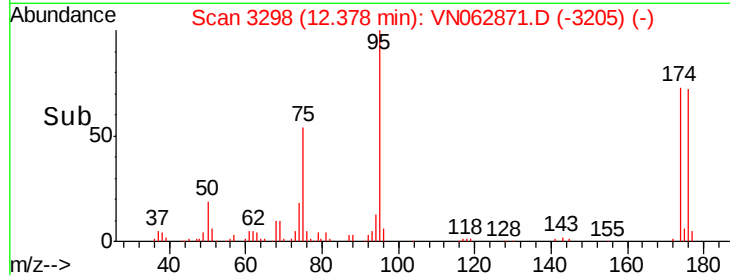
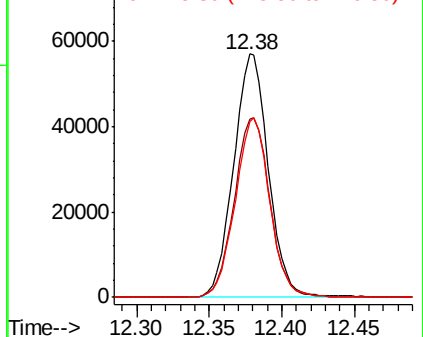
#62
4-Bromofluorobenzene
Concen: 43.862 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN062871.D
Acq: 12 Aug 2020 21:03

Instrument :
MSVOA_N
ClientSampleId :
GW-3

Tot Ion: 95 Resp: 94789
Ion Ratio Lower Upper
95 100
174 75.6 0.0 144.8
176 73.4 0.0 142.2

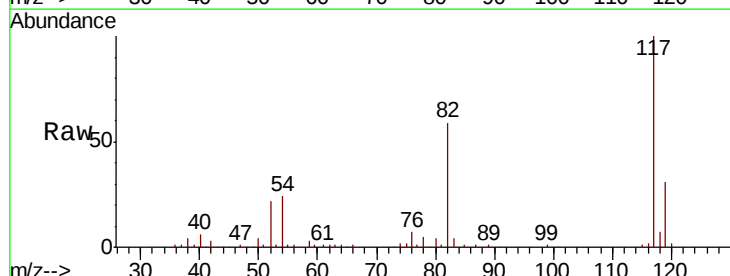


Abundance Ion 94.90 (94.60 to 95.60): VN062871.D (-3205) (-)
Ion 173.80 (173.50 to 174.50): VN062871.D (-3205) (-)
Ion 175.80 (175.50 to 176.50): VN062871.D (-3205) (-)

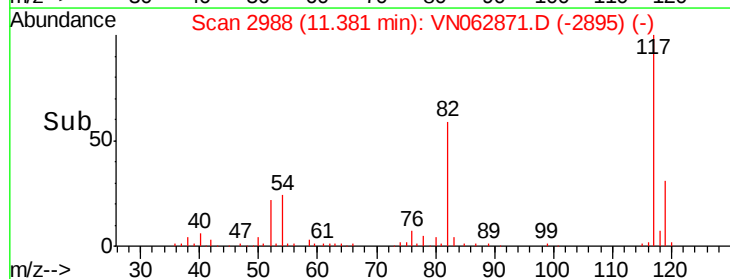
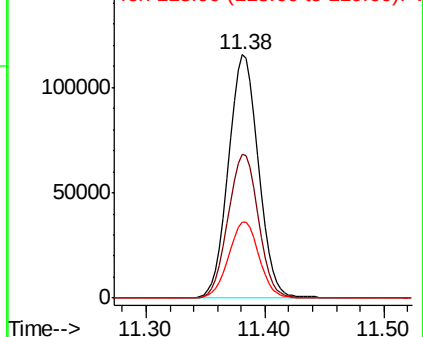


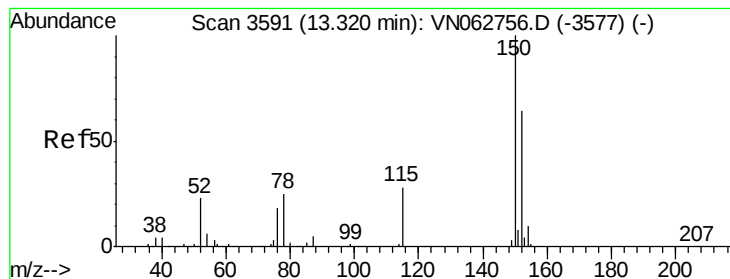
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062871.D
Acq: 12 Aug 2020 21:03

Tgt Ion: 117 Resp: 202834
Ion Ratio Lower Upper
117 100
82 58.9 49.0 73.4
119 31.3 26.2 39.2



Abundance Ion 116.90 (116.60 to 117.60): VN062871.D (-2895) (-)
Ion 82.00 (81.70 to 82.70): VN062871.D (-2895) (-)
Ion 118.90 (118.60 to 119.60): VN062871.D (-2895) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062871.D

Acq: 12 Aug 2020 21:03

Instrument :

MSVOA_N

ClientSampled :

GW-3

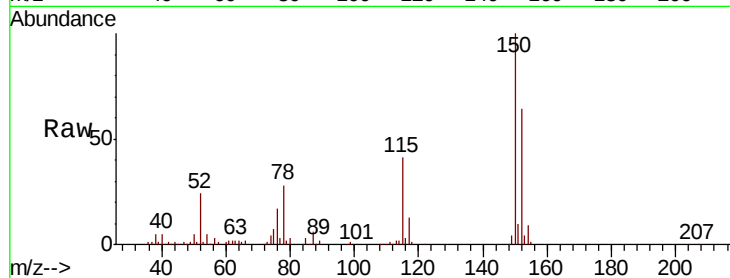
Tot Ion:152 Resp: 76809

Ion Ratio Lower Upper

152 100

115 63.7 31.6 94.8

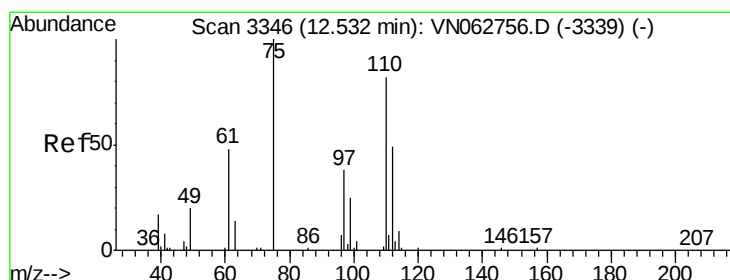
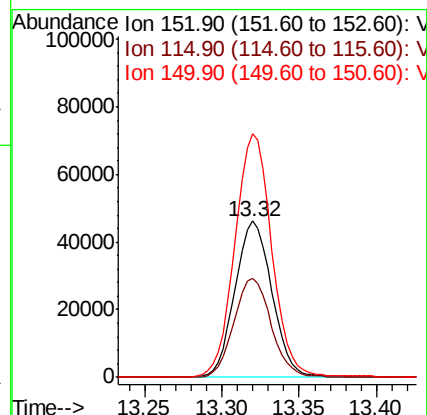
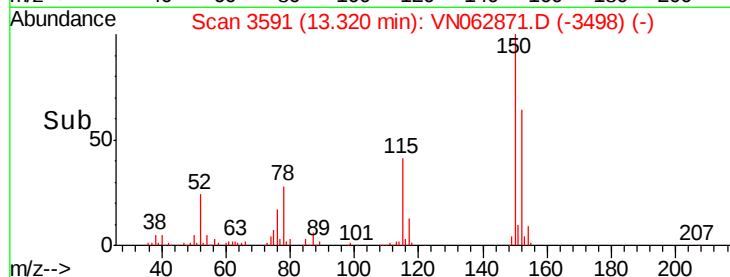
150 154.8 0.0 349.2



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



#76

1,2,3-Trichloropropane

Concen: 24.965 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062871.D

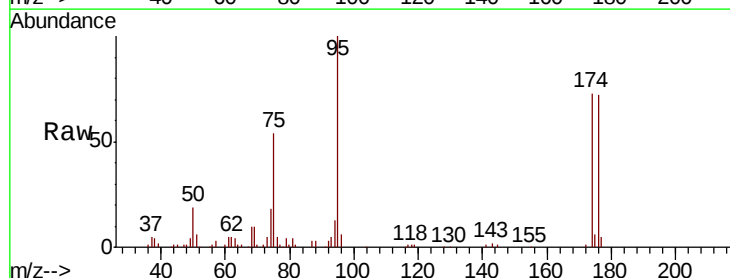
Acq: 12 Aug 2020 21:03

Tgt Ion: 75 Resp: 51714

Ion Ratio Lower Upper

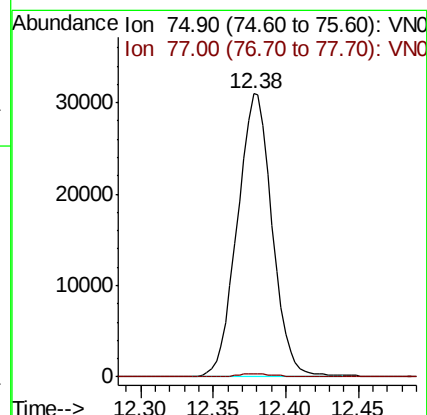
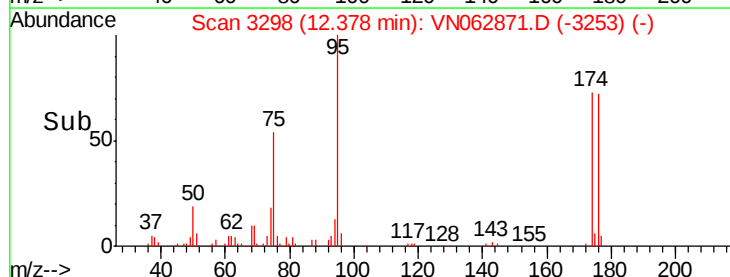
75 100

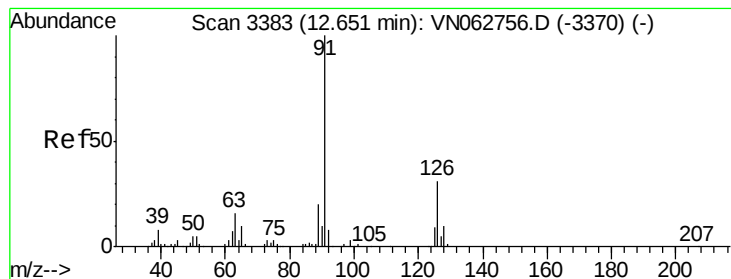
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#79

2-Chlorotoluene

Concen: 0.266 ug/l

RT: 12.57 min Scan# 3359

Delta R.T. -0.08 min

Lab File: VN062871.D

Acq: 12 Aug 2020 21:03

Instrument :

MSVOA_N

ClientSampleId :

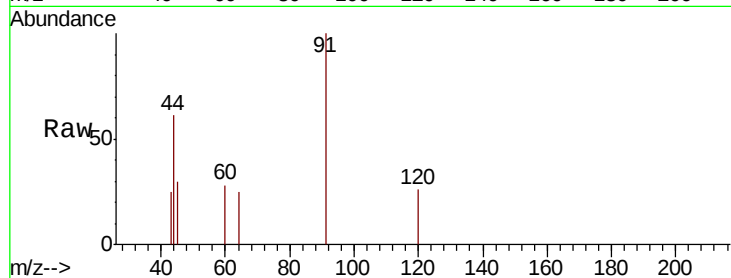
GW-3

Tot Ion: 91 Resp: 1134

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

12.57

800

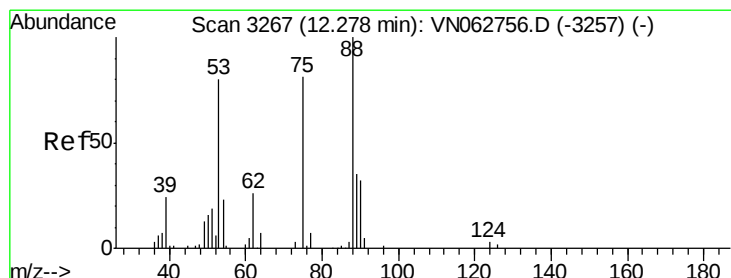
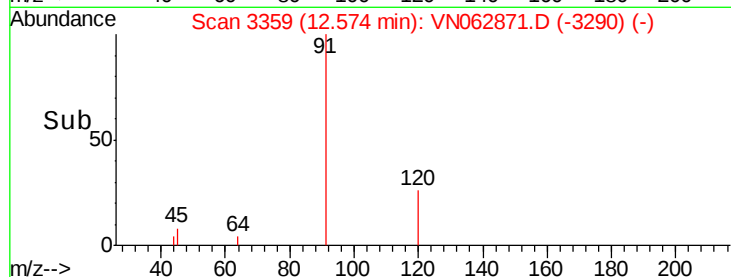
600

400

200

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 76.211 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062871.D

Acq: 12 Aug 2020 21:03

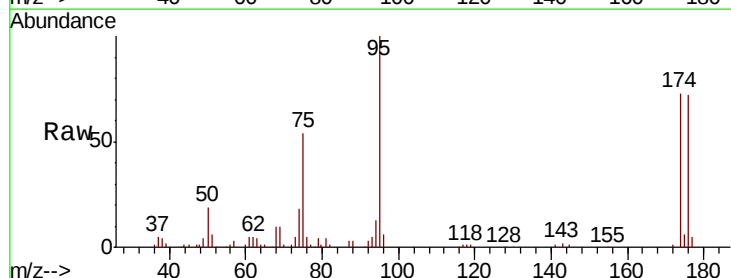
Tgt Ion: 75 Resp: 51714

Ion Ratio Lower Upper

75 100

53 0.0 79.1 118.7#

89 0.0 36.2 54.2#



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

12.38

40000

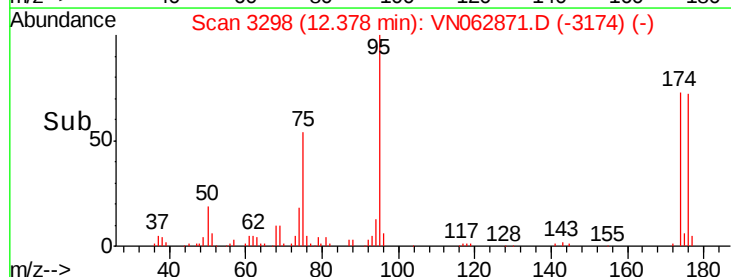
30000

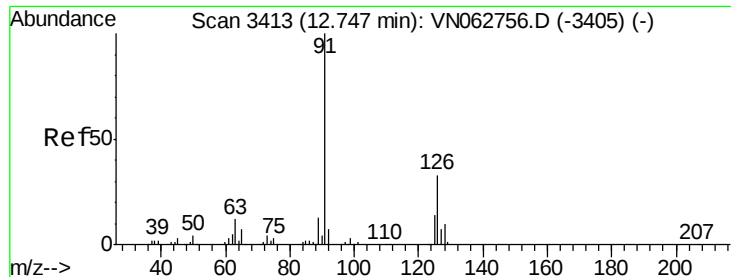
20000

10000

0

Time-->





#82

4-Chlorotoluene

Concen: 0.258 ug/l

RT: 12.57 min Scan# 3359

Delta R.T. -0.17 min

Lab File: VN062871.D

Acq: 12 Aug 2020 21:03

Instrument :

MSVOA_N

ClientSampled :

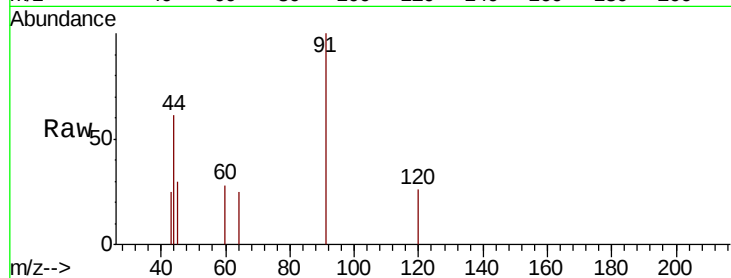
GW-3

Tot Ion: 91 Resp: 1134

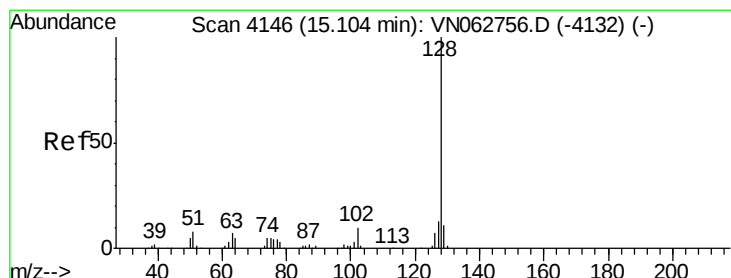
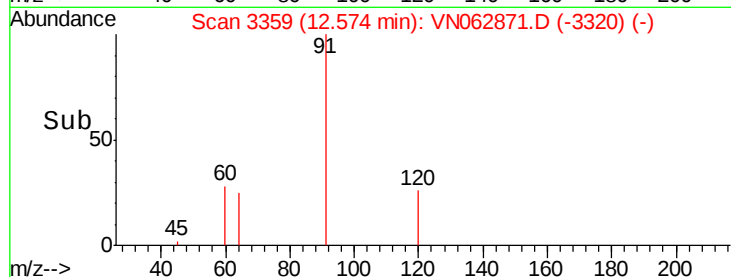
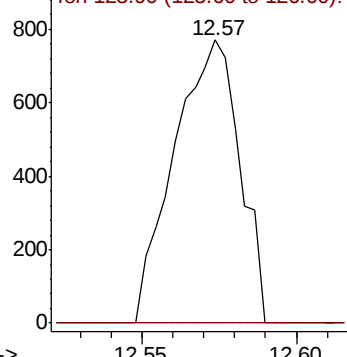
Ion Ratio Lower Upper

91 100

126 0.0 15.3 45.9#



Abundance Ion 91.00 (90.70 to 91.70): VN062871.D (-3320) (-)



#95

Naphthalene

Concen: 3.865 ug/l

RT: 15.11 min Scan# 4148

Delta R.T. 0.01 min

Lab File: VN062871.D

Acq: 12 Aug 2020 21:03

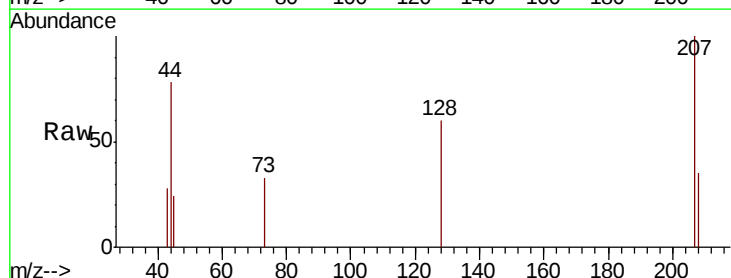
Tgt Ion: 128 Resp: 597

Ion Ratio Lower Upper

128 100

127 0.0 10.8 16.2#

129 0.0 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): VN062871.D (-4053) (-)

