

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100820\
 Data File : VN063982.D
 Acq On : 8 Oct 2020 11:38
 Operator : JC/MD
 Sample : VN1008WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008WBL01

Quant Time: Oct 09 04:00:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	239561	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	426318	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	447871	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	177046	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	200473	50.65	ug/l	0.00
Spiked Amount			Recovery	=	101.30%	
35) Dibromofluoromethane	7.55	113	147599	49.90	ug/l	0.00
Spiked Amount			Recovery	=	99.80%	
50) Toluene-d8	10.06	98	556122	49.59	ug/l	0.00
Spiked Amount			Recovery	=	99.18%	
62) 4-Bromofluorobenzene	12.38	95	208706	49.51	ug/l	0.00
Spiked Amount			Recovery	=	99.02%	

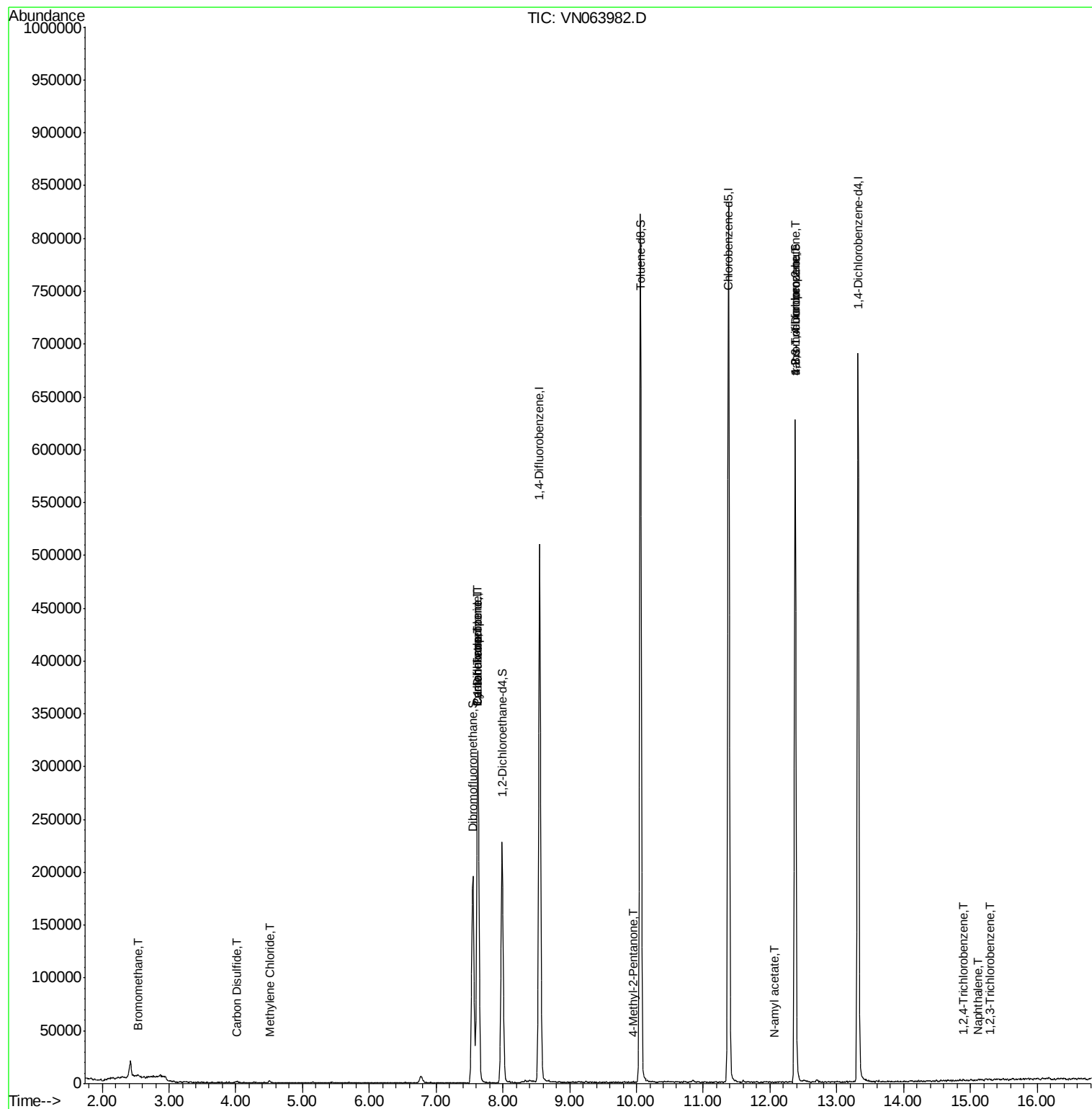
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.54	94	485	0.259	ug/l	94
17) Carbon Disulfide	4.01	76	1704	0.958	ug/l #	76
20) Methylene Chloride	4.50	84	607	0.315	ug/l #	69
31) Cyclohexane	7.63	56	6492	1.413	ug/l #	31
36) 1,1-Dichloropropene	7.62	75	20882	4.835	ug/l #	51
38) Carbon Tetrachloride	7.62	117	25717	5.310	ug/l #	16
51) 4-Methyl-2-Pentanone	9.96	43	1007	0.242	ug/l #	39
74) N-amyl acetate	12.05	43	96	2.231	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	116582	29.871	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	116582	86.034	ug/l #	6
93) 1,2,4-Trichlorobenzene	14.89	180	159	1.786	ug/l #	68
95) Naphthalene	15.11	128	423	1.967	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.30	180	61	1.588	ug/l #	1

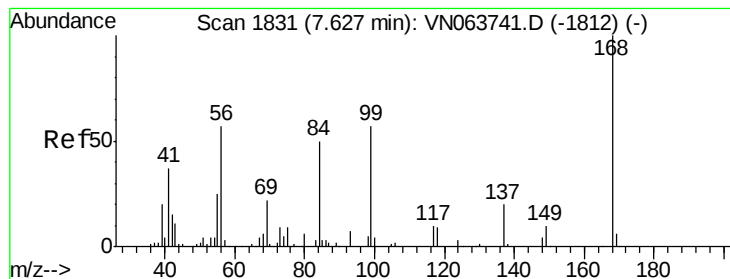
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 09 04:00:27 2020
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Quant Title : SW846 8260
QLast Update : Thu Oct 01 01:46:38 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN063982.D

Acq: 8 Oct 2020 11:38

Instrument :

MSVOA_N

ClientSampled :

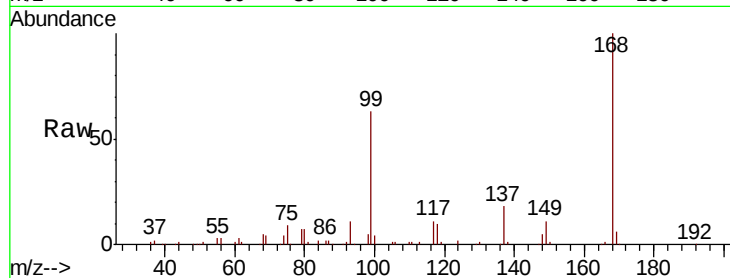
VN1008WBL01

Tot Ion:168 Resp: 239561

Ion Ratio Lower Upper

168 100

99 62.8 51.8 77.6



Abundance Ion 167.90 (167.60 to 168.60): VN063741.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN063741.D (-1812) (-)

7.62

100000

80000

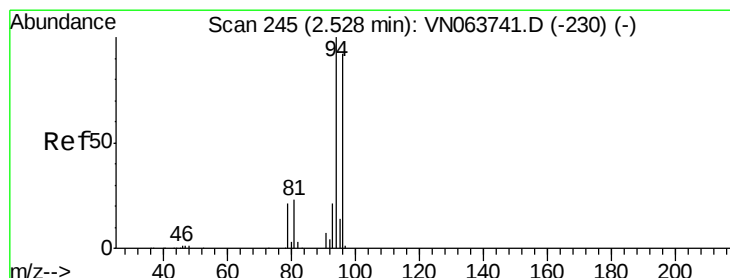
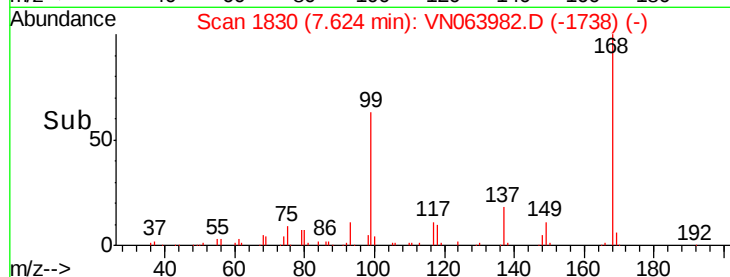
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#5

Bromomethane

Concen: 0.259 ug/l

RT: 2.54 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN063982.D

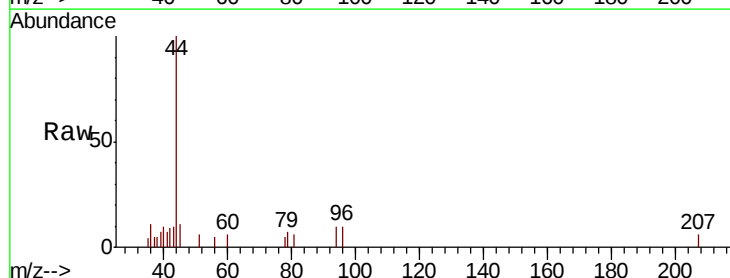
Acq: 8 Oct 2020 11:38

Tgt Ion: 94 Resp: 485

Ion Ratio Lower Upper

94 100

96 97.5 73.3 109.9



Abundance Ion 93.90 (93.60 to 94.60): VN063741.D (-230) (-)

Ion 95.90 (95.60 to 96.60): VN063741.D (-230) (-)

2.54

400

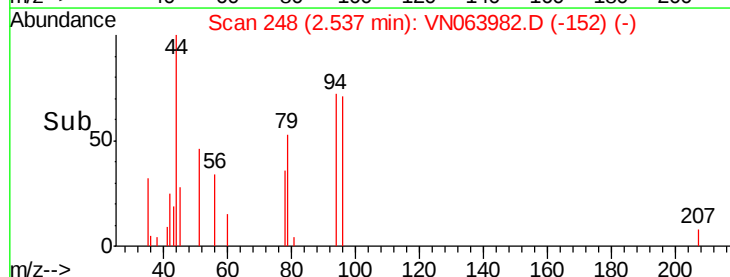
300

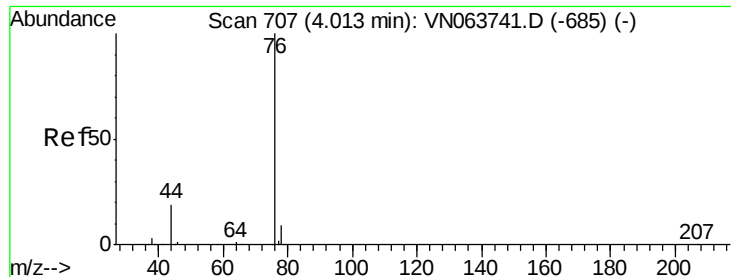
200

100

0

Time--> 2.50 2.52 2.54 2.56

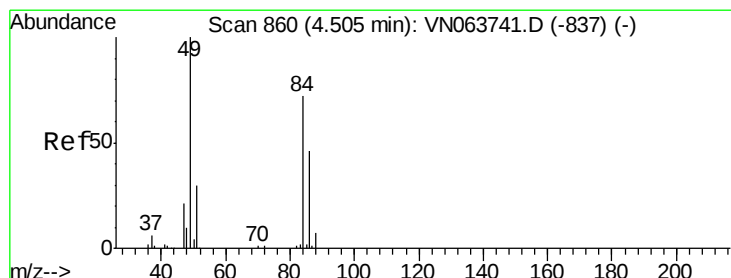
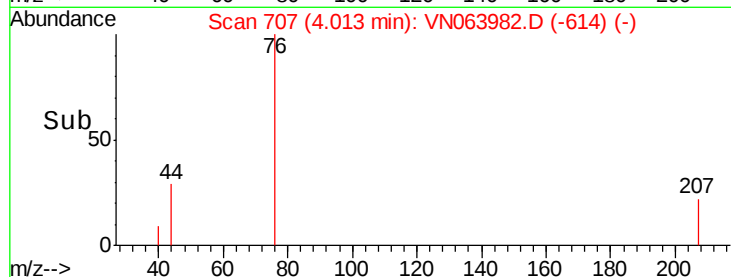
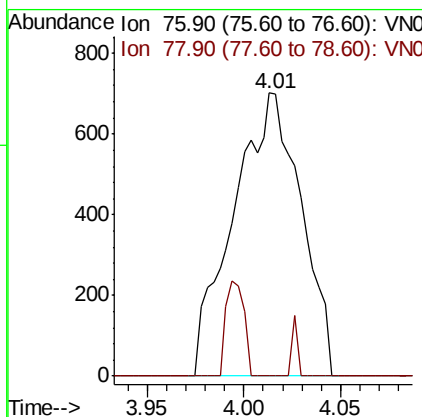
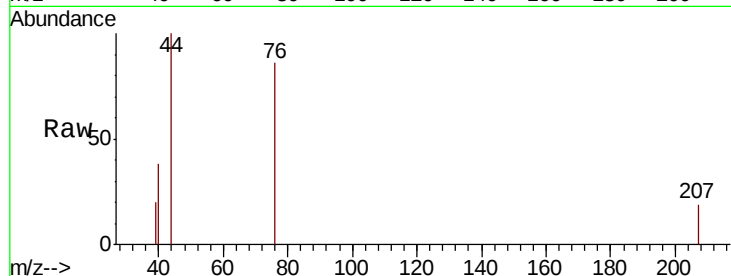




#17
Carbon Disulfide
Concen: 0.958 ug/l
RT: 4.01 min Scan# 707
Delta R.T. 0.00 min
Lab File: VN063982.D
Acq: 8 Oct 2020 11:38

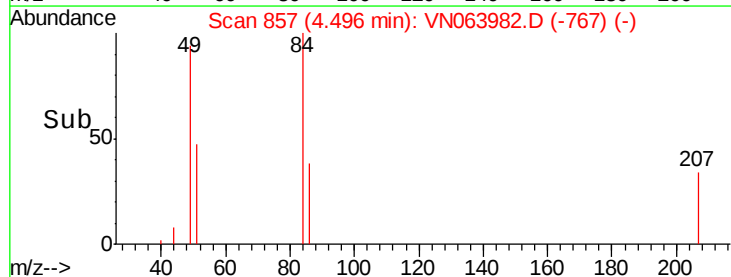
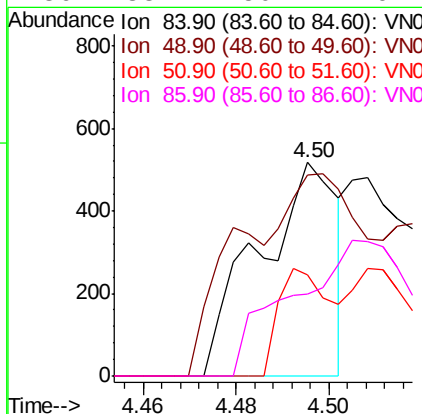
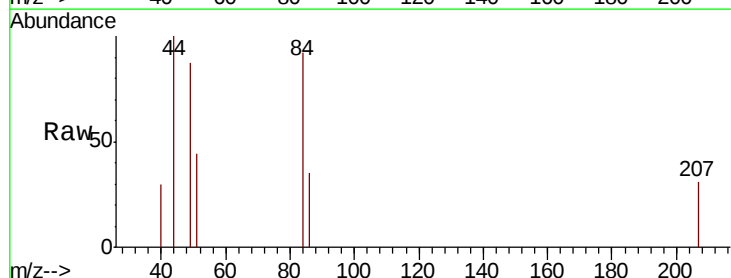
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ClientSampleId :
VN1008WBL01

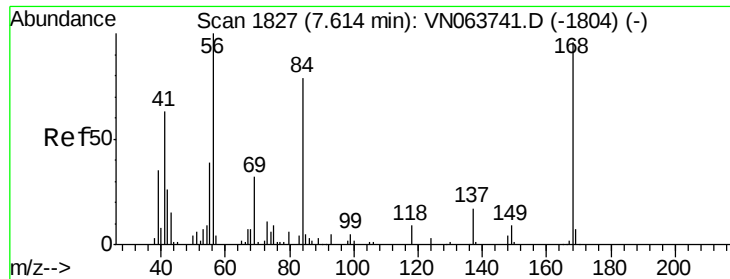
Tot Ion: 76 Resp: 1704
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#



#20
Methylene Chloride
Concen: 0.315 ug/l
RT: 4.50 min Scan# 857
Delta R.T. -0.01 min
Lab File: VN063982.D
Acq: 8 Oct 2020 11:38

Tgt Ion: 84 Resp: 607
Ion Ratio Lower Upper
84 100
49 93.8 110.4 165.6#
51 47.3 33.3 49.9
86 38.4 50.7 76.1#

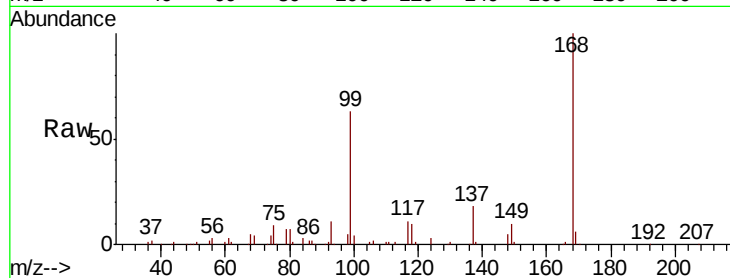




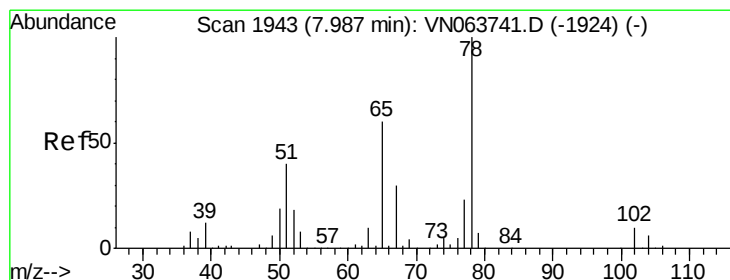
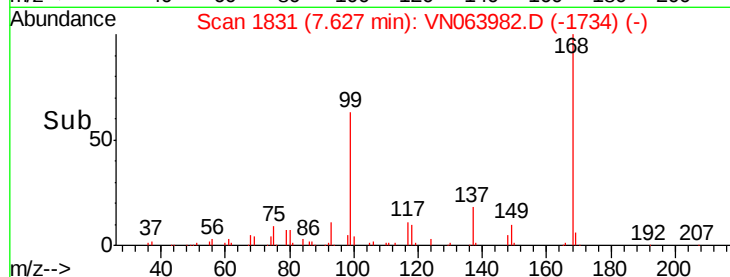
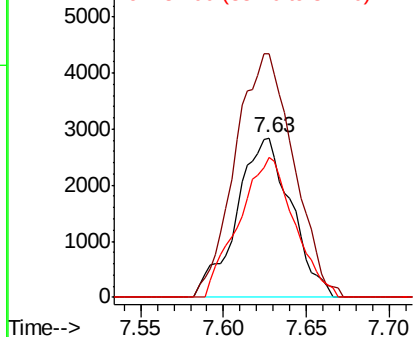
#31
Cyclohexane
Concen: 1.413 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN063982.D
Acq: 8 Oct 2020 11:38

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBL01

Tot Ion: 56 Resp: 6492
Ion Ratio Lower Upper
56 100
69 152.6 25.4 38.2#
84 87.7 63.3 94.9

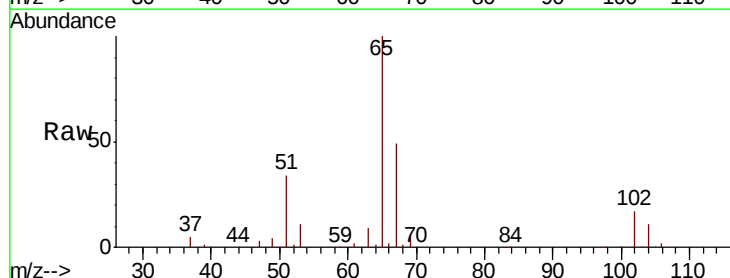


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

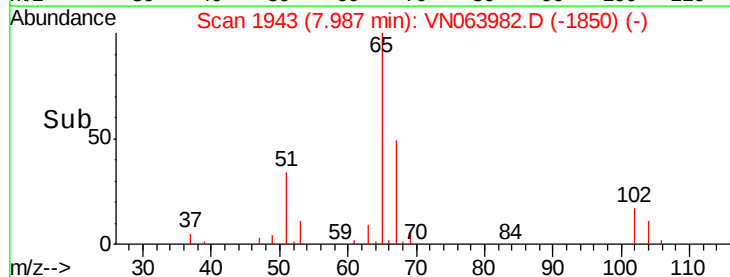
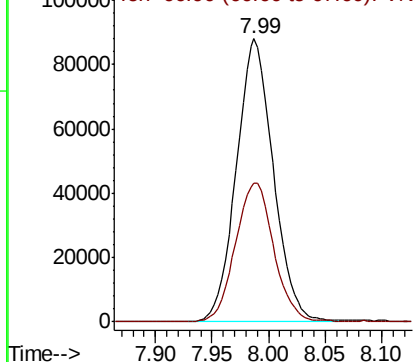


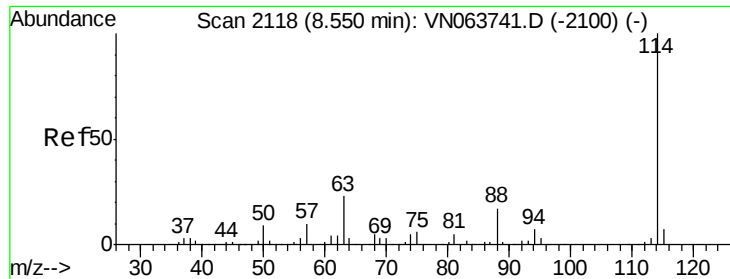
#33
1,2-Dichloroethane-d4
Concen: 50.654 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN063982.D
Acq: 8 Oct 2020 11:38

Tgt Ion: 65 Resp: 200473
Ion Ratio Lower Upper
65 100
67 51.1 0.0 99.6



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

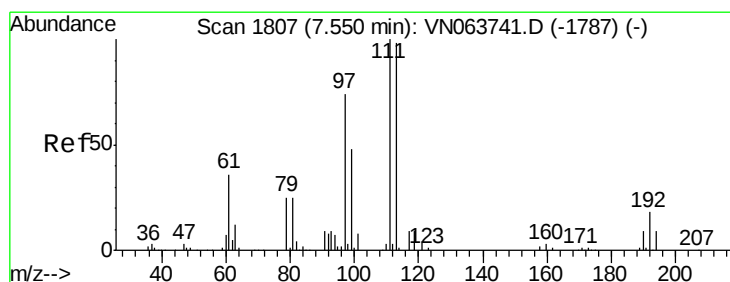
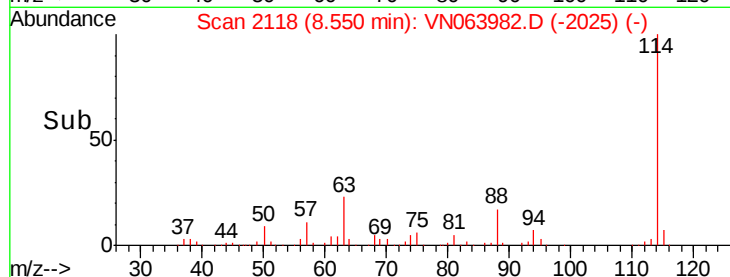
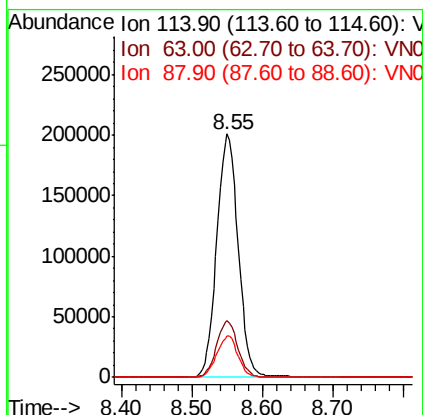
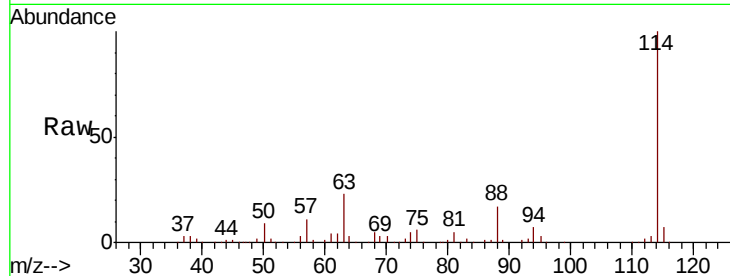




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VN063982.D
Acq: 8 Oct 2020 11:38

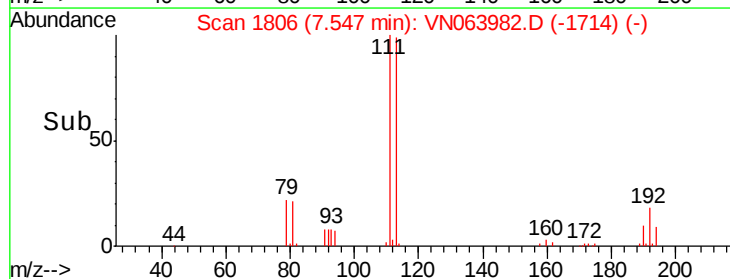
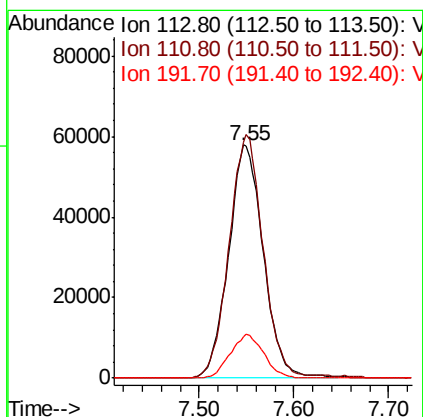
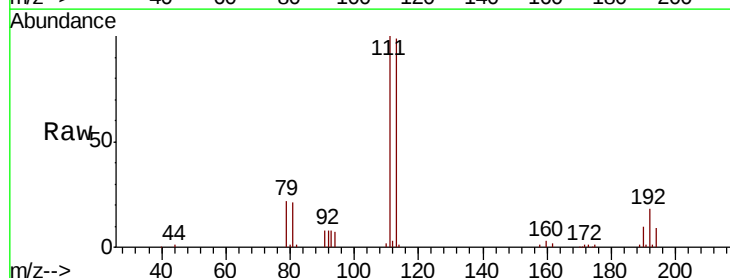
Instrument :
MSVOA_N
ClientSampleId :
VN1008WBL01

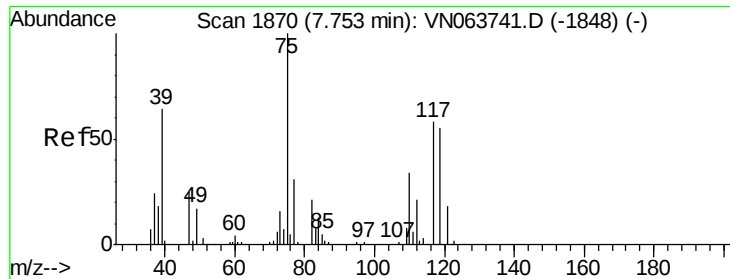
Tot Ion:114 Resp: 426318
Ion Ratio Lower Upper
114 100
63 23.1 0.0 45.0
88 16.9 0.0 34.0



#35
Dibromofluoromethane
Concen: 49.896 ug/l
RT: 7.55 min Scan# 1806
Delta R.T. -0.00 min
Lab File: VN063982.D
Acq: 8 Oct 2020 11:38

Tgt Ion:113 Resp: 147599
Ion Ratio Lower Upper
113 100
111 102.1 81.8 122.8
192 18.2 14.2 21.2

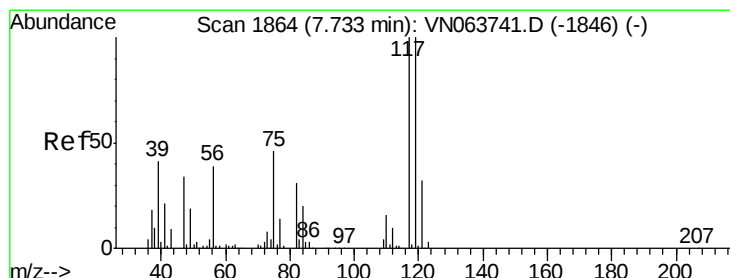
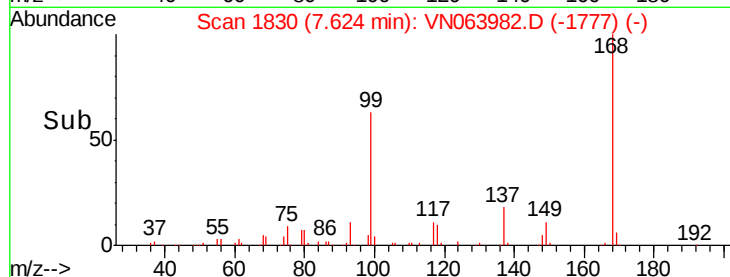
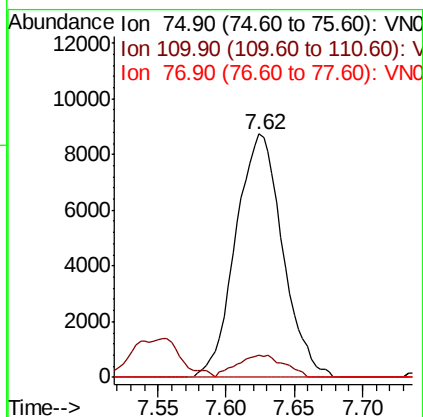
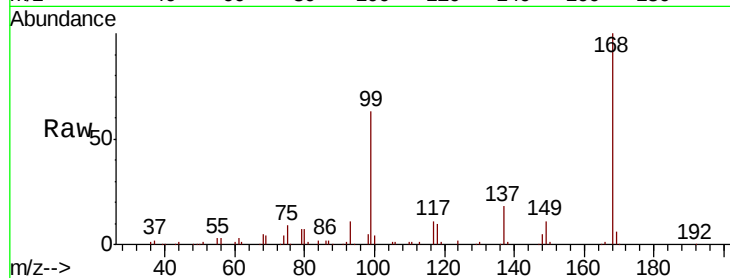




#36
 1,1-Dichloropropene
 Concen: 4.835 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN063982.D
 Acq: 8 Oct 2020 11:38

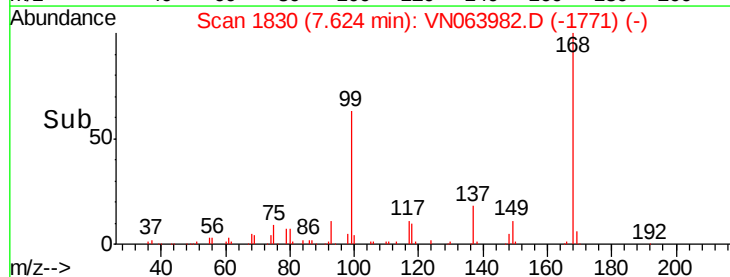
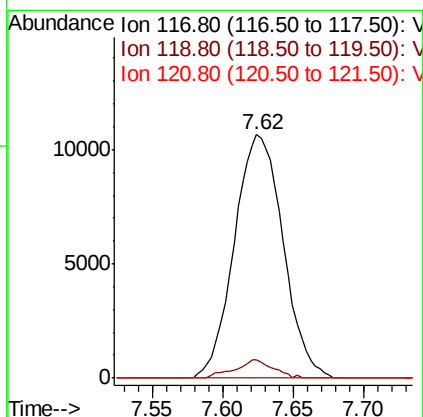
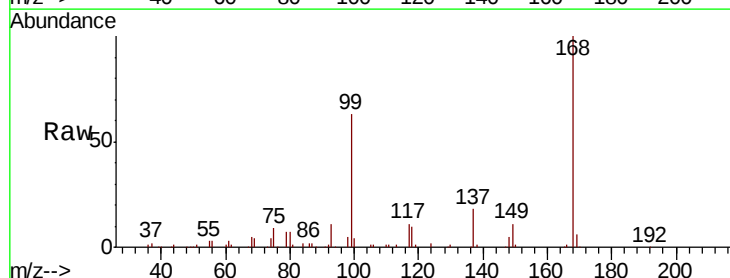
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 ClientSampleId :
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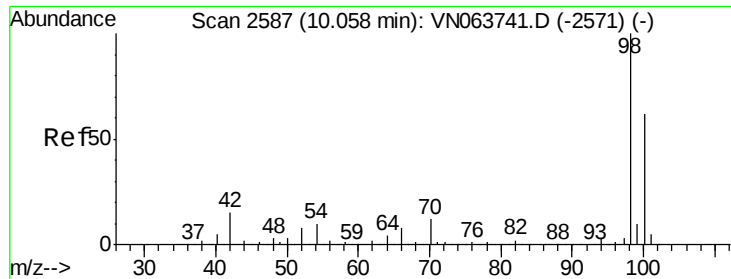
Tot Ion	75	Resp	20882
Ion Ratio	100	Lower	Upper
75	100		
110	9.2	16.9	50.6#
77	0.0	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 5.310 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.11 min
 Lab File: VN063982.D
 Acq: 8 Oct 2020 11:38

Tgt Ion	117	Resp	25717
Ion Ratio	100	Lower	Upper
117	100		
119	7.3	80.1	120.1#
121	0.0	25.7	38.5#





#50

Toluene-d8

Concen: 49.592 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN063982.D

Acq: 8 Oct 2020 11:38

Instrument :

MSVOA_N

ClientSampleId :

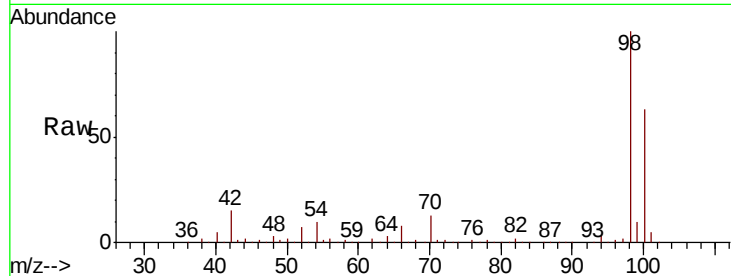
VN1008WBL01

Tot Ion: 98 Resp: 556122

Ion Ratio Lower Upper

98 100

100 63.3 49.8 74.6



Abundance Ion 98.00 (97.70 to 98.70): VN063741.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN063741.D (-2571) (-)

10.06

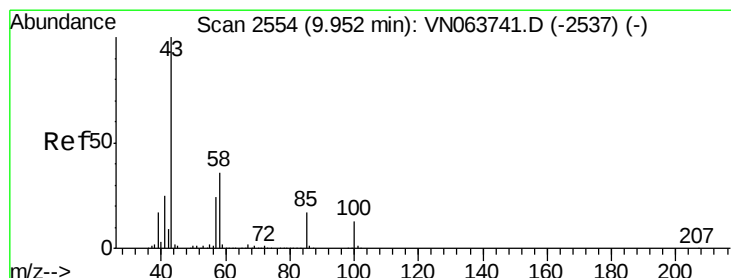
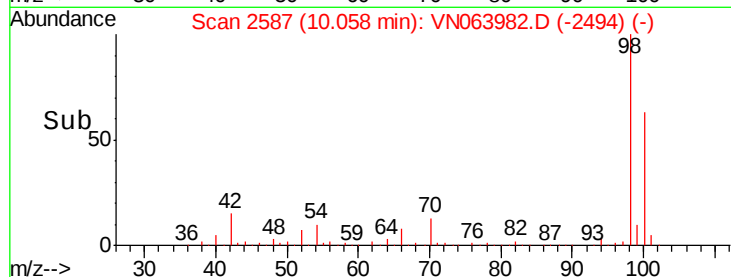
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.242 ug/l

RT: 9.96 min Scan# 2556

Delta R.T. 0.01 min

Lab File: VN063982.D

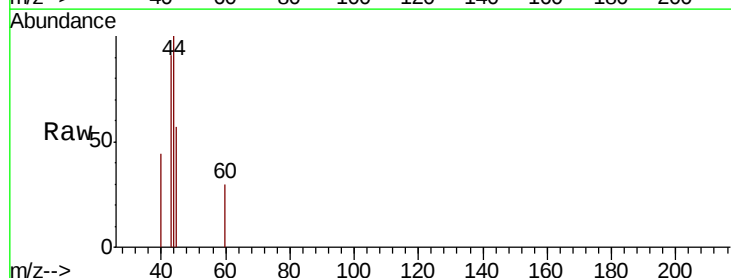
Acq: 8 Oct 2020 11:38

Tgt Ion: 43 Resp: 1007

Ion Ratio Lower Upper

43 100

58 0.0 28.4 42.6#



Abundance Ion 43.00 (42.70 to 43.70): VN063741.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN063741.D (-2537) (-)

9.96

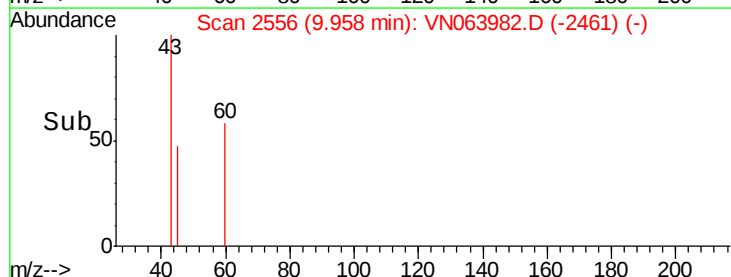
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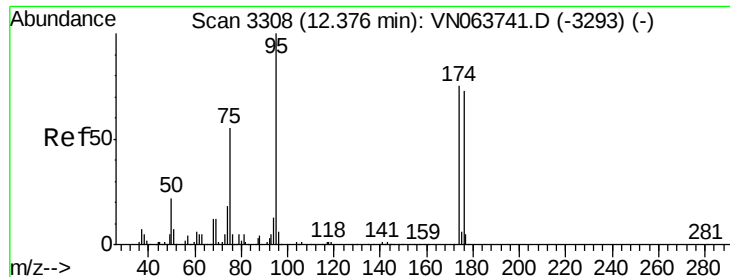
400

200

0

Time-->

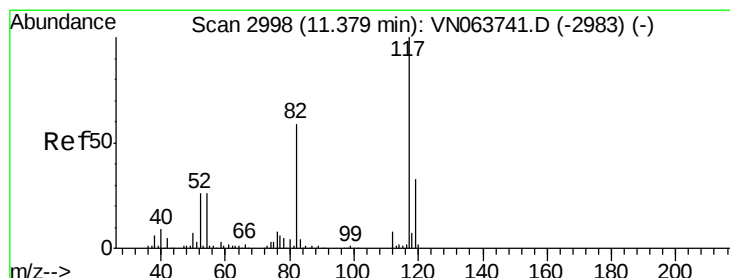
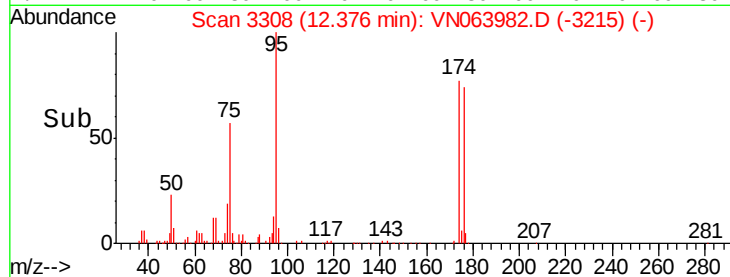
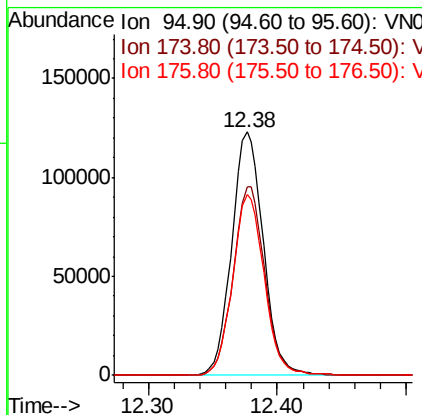
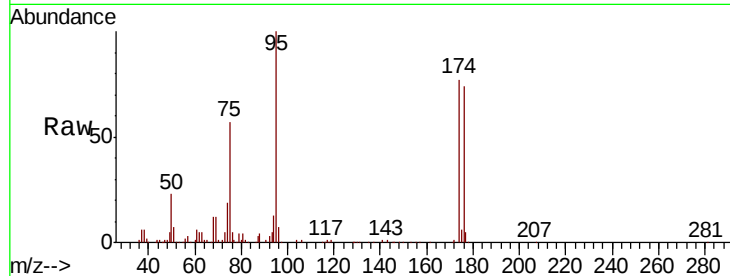




#62
4-Bromofluorobenzene
Concen: 49.510 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN063982.D
Acq: 8 Oct 2020 11:38

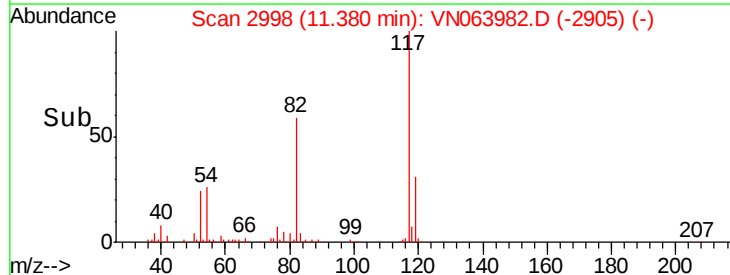
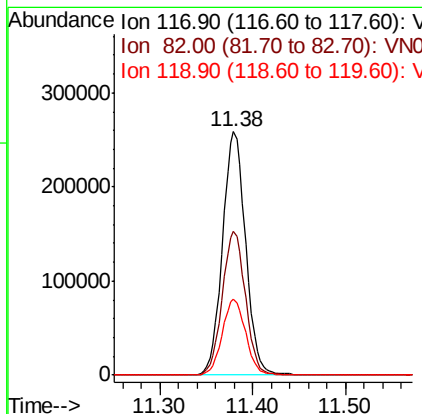
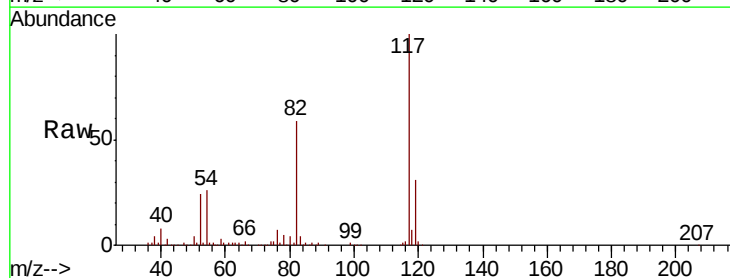
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VN1008WBL01

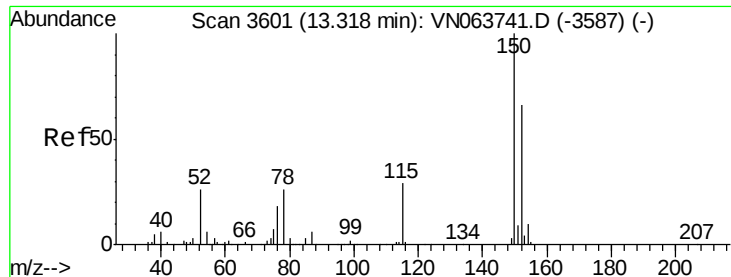
Tot Ion	95	Resp	208706
Ion Ratio	100		
Lower			
Upper			
174	77.8	0.0	150.6
176	74.5	0.0	145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063982.D
Acq: 8 Oct 2020 11:38

Tgt Ion	117	Resp	447871
Ion Ratio <td>100</td> <td></td> <td></td>	100		
Lower			
Upper			
82	58.9	47.4	71.2
119	31.0	26.4	39.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN063982.D

Acq: 8 Oct 2020 11:38

Instrument :

MSVOA_N

ClientSampleId :

VN1008WBL01

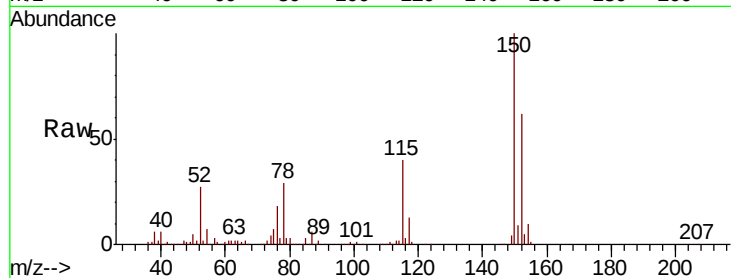
Tot Ion:152 Resp: 177046

Ion Ratio Lower Upper

152 100

115 62.6 31.3 93.8

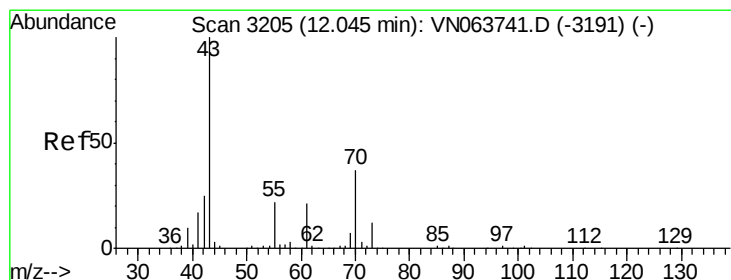
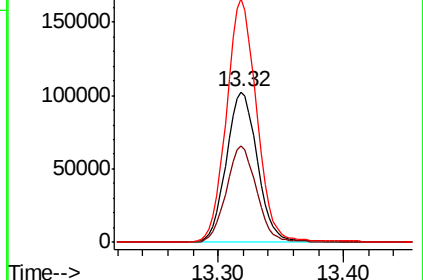
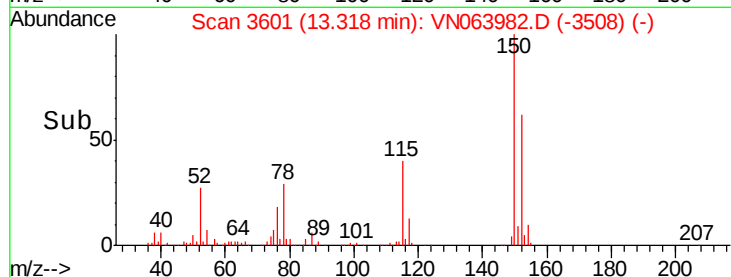
150 157.2 0.0 341.8



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



#74

N-ethyl acetate

Concen: 2.231 ug/l

RT: 12.05 min Scan# 3208

Delta R.T. 0.01 min

Lab File: VN063982.D

Acq: 8 Oct 2020 11:38

Tgt Ion: 43 Resp: 96

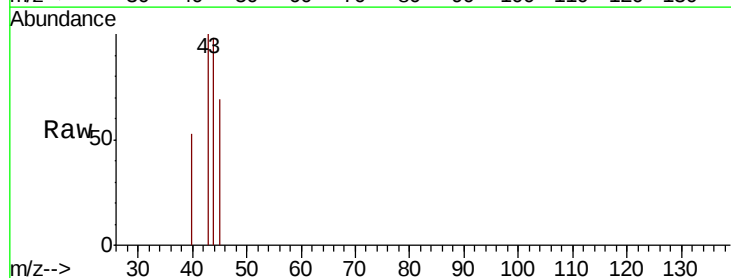
Ion Ratio Lower Upper

43 100

70 0.0 29.8 44.8#

55 0.0 17.9 26.9#

61 0.0 17.0 25.4#

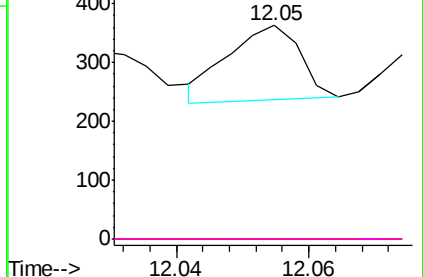
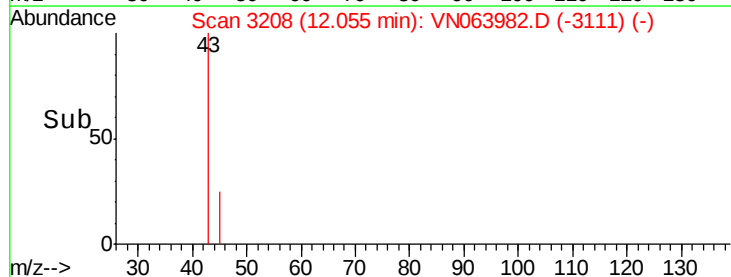


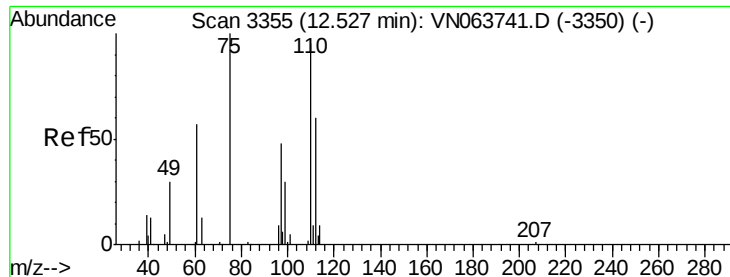
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#76

1,2,3-Trichloropropane

Concen: 29.871 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063982.D

Acq: 8 Oct 2020 11:38

Instrument :

MSVOA_N

ClientSampleId :

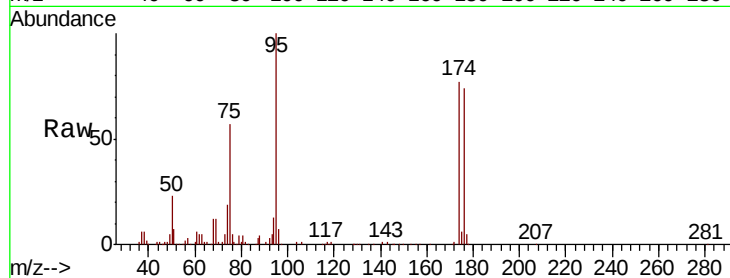
VN1008WBL01

Tot Ion: 75 Resp: 116582

Ion Ratio Lower Upper

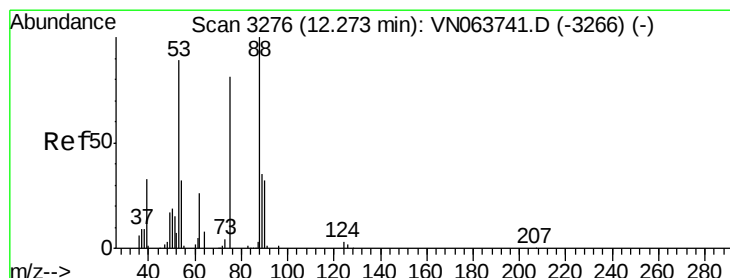
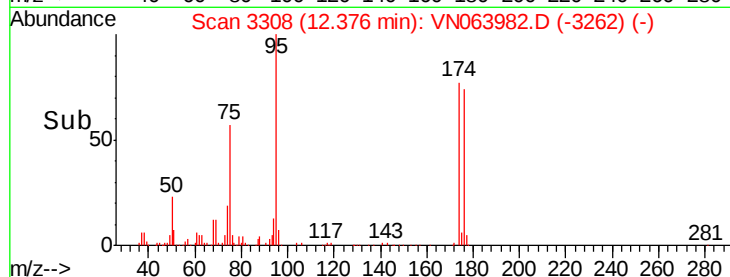
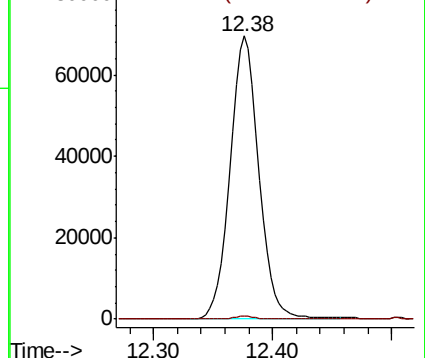
75 100

77 0.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 86.034 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063982.D

Acq: 8 Oct 2020 11:38

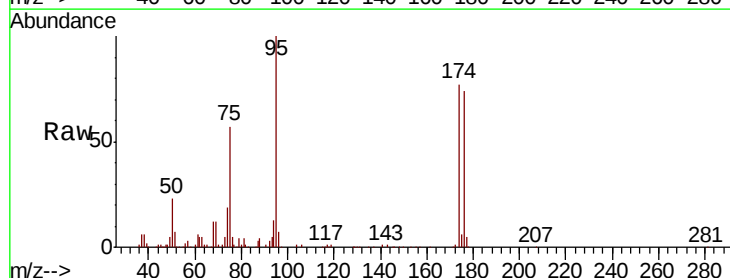
Tgt Ion: 75 Resp: 116582

Ion Ratio Lower Upper

75 100

53 0.2 88.2 132.2#

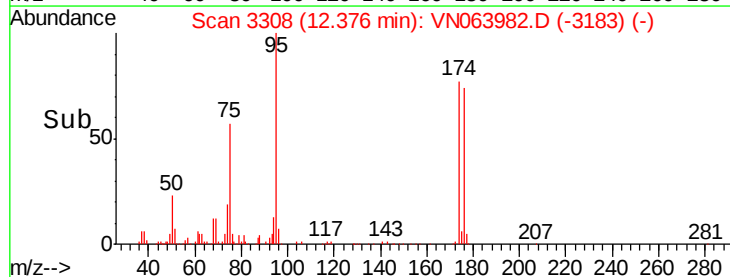
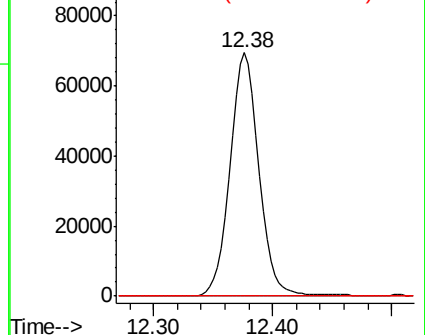
89 0.0 36.0 54.0#

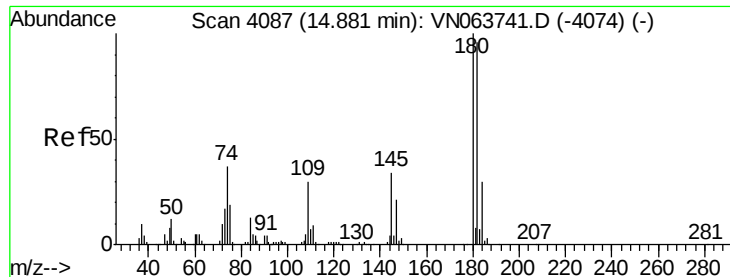


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

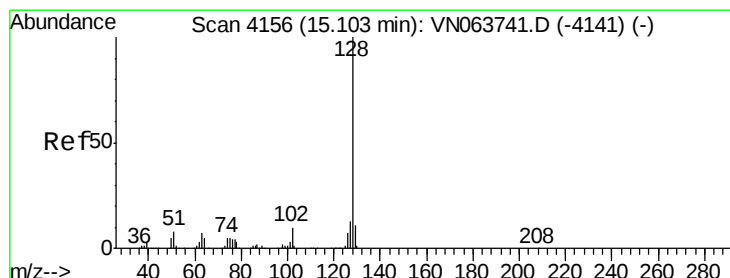
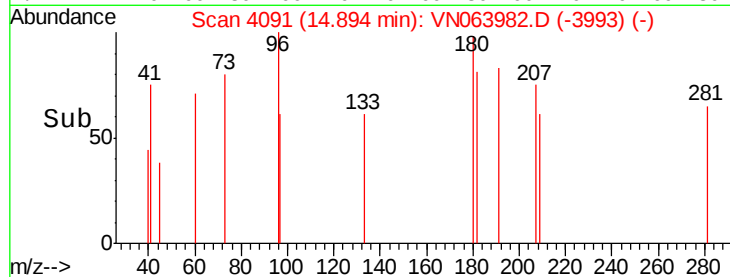
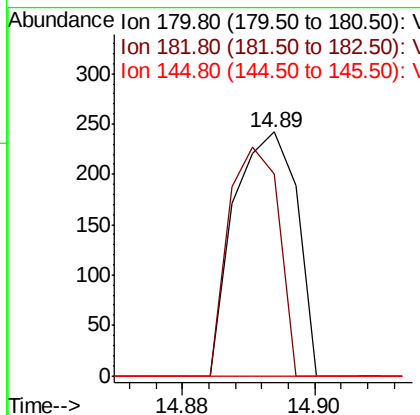
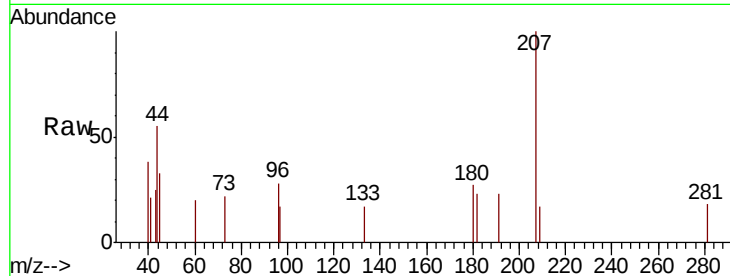




#93
 1,2,4-Trichlorobenzene
 Concen: 1.786 ug/l
 RT: 14.89 min Scan# 4091
 Delta R.T. 0.01 min
 Lab File: VN063982.D
 Acq: 8 Oct 2020 11:38

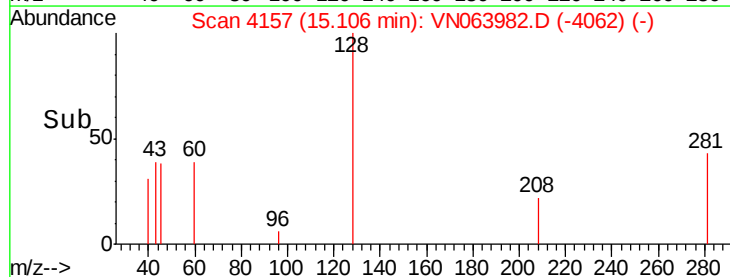
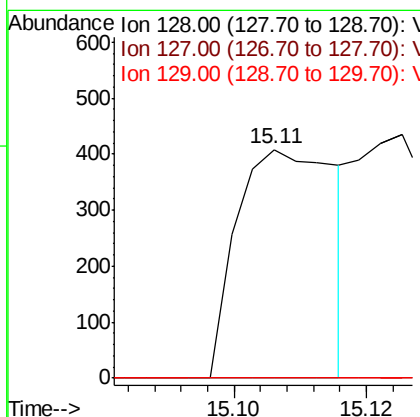
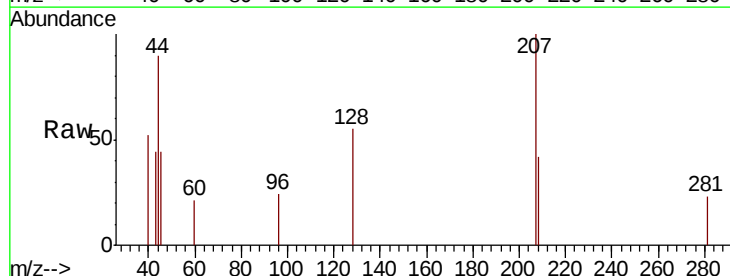
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008WBL01

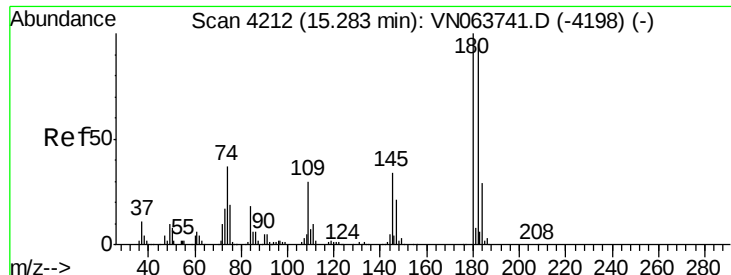
Tot Ion:180 Resp: 159
 Ion Ratio Lower Upper
 180 100
 182 74.8 48.2 144.6
 145 0.0 17.1 51.2#



#95
 Naphthalene
 Concen: 1.967 ug/l
 RT: 15.11 min Scan# 4157
 Delta R.T. 0.00 min
 Lab File: VN063982.D
 Acq: 8 Oct 2020 11:38

Tgt Ion:128 Resp: 423
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.5 15.7#
 129 0.0 8.7 13.1#





#96

1,2,3-Trichlorobenzene

Concen: 1.588 ug/l

RT: 15.30 min Scan# 4217

Delta R.T. 0.02 min

Lab File: VN063982.D

Acq: 8 Oct 2020 11:38

Instrument :

MSVOA_N

ClientSampleId :

VN1008WBL01

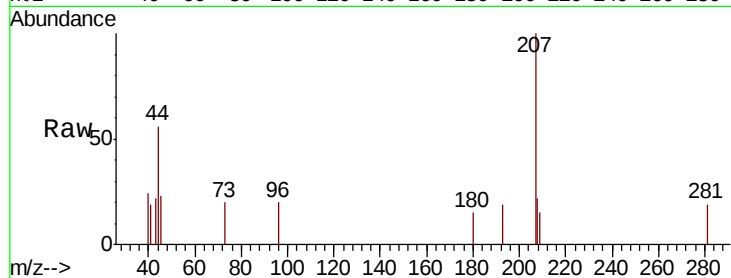
Tot Ion:180 Resp: 61

Ion Ratio Lower Upper

180 100

182 277.0 47.9 143.6#

145 101.6 17.2 51.5#



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

