

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100120\
 Data File : VN063794.D
 Acq On : 2 Oct 2020 1:20
 Operator : JC/MD
 Sample : L4236-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP-BLANK

Quant Time: Oct 02 04:24:49 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	7.63	168	202597	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	368055	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	371645	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	149905	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	172763	51.62	ug/l	0.00
Spiked Amount			Recovery	=	103.24%	
35) Dibromofluoromethane	7.55	113	123854	48.50	ug/l	0.00
Spiked Amount			Recovery	=	97.00%	
50) Toluene-d8	10.06	98	465400	48.07	ug/l	0.00
Spiked Amount			Recovery	=	96.14%	
62) 4-Bromofluorobenzene	12.38	95	182941	50.27	ug/l	0.00
Spiked Amount			Recovery	=	100.54%	

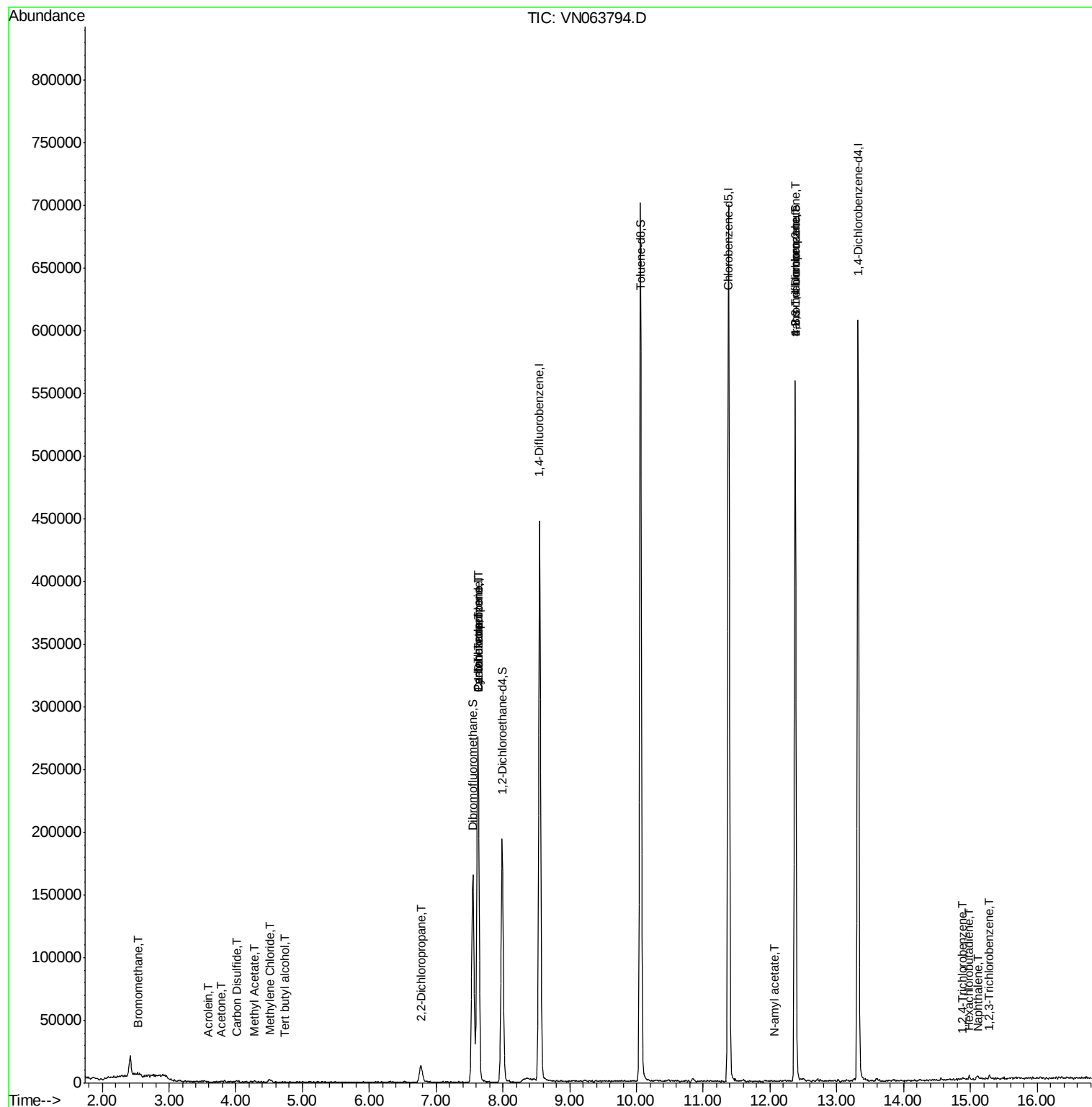
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.54	94	716	0.452	ug/l	100
11) Tert butyl alcohol	4.74	59	102	0.276	ug/l #	71
13) Acrolein	3.60	56	107	0.472	ug/l #	14
16) Acetone	3.79	43	449	0.436	ug/l #	47
17) Carbon Disulfide	4.01	76	1125	0.902	ug/l #	76
18) Methyl Acetate	4.29	43	608	0.227	ug/l #	54
20) Methylene Chloride	4.51	84	964	0.506	ug/l #	54
26) 2,2-Dichloropropane	6.77	77	970	0.238	ug/l #	54
31) Cyclohexane	7.63	56	6548	1.685	ug/l #	17
36) 1,1-Dichloropropene	7.63	75	19126	5.129	ug/l #	51
38) Carbon Tetrachloride	7.63	117	22377	5.352	ug/l #	15
74) N-amyl acetate	12.05	43	65	2.228	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	103731	31.391	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	103731	90.411	ug/l #	6
93) 1,2,4-Trichlorobenzene	14.89	180	821	2.040	ug/l #	56
94) Hexachlorobutadiene	14.98	225	608	0.533	ug/l #	69
95) Naphthalene	15.11	128	2835	2.261	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.28	180	952	1.932	ug/l #	21

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063794.D

Acq: 2 Oct 2020 1:20

Instrument :

MSVOA_N

ClientSampleId :

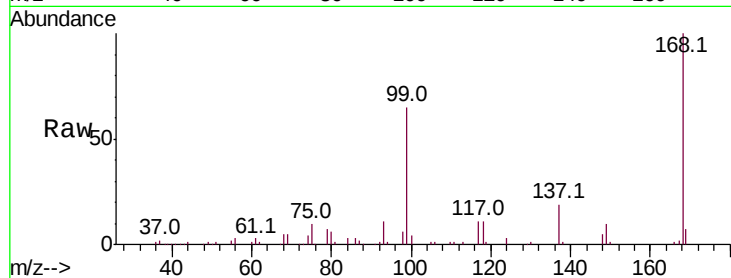
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Tot Ion:168 Resp: 202597

Ion Ratio Lower Upper

168 100

99 65.4 51.8 77.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

80000

60000

40000

20000

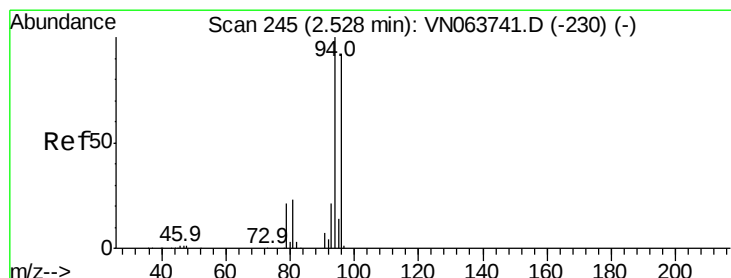
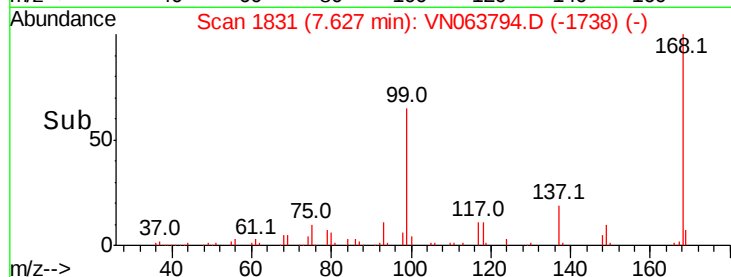
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Time-->

7.50

7.60

7.70



#5

Bromomethane

Concen: 0.452 ug/l

RT: 2.54 min Scan# 249

Delta R.T. 0.01 min

Lab File: VN063794.D

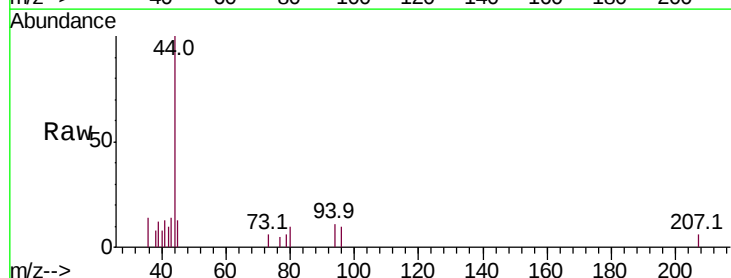
Acq: 2 Oct 2020 1:20

Tgt Ion: 94 Resp: 716

Ion Ratio Lower Upper

94 100

96 91.9 73.3 109.9



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

400

300

200

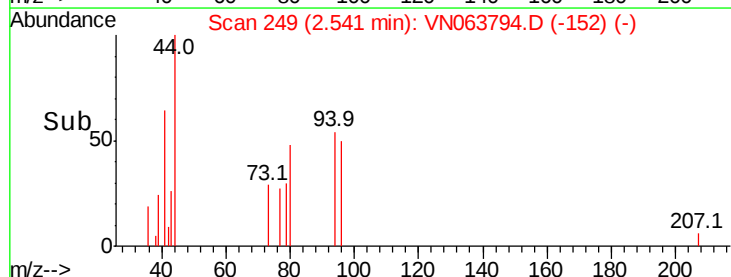
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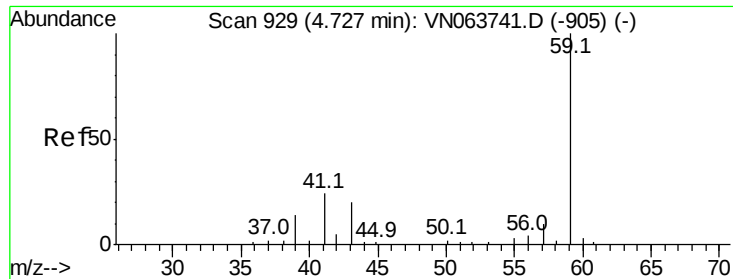
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Time-->

2.50

2.55

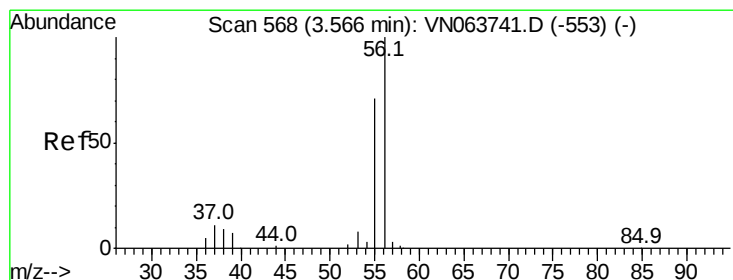
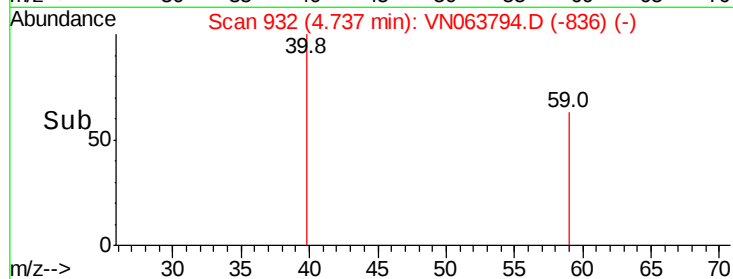
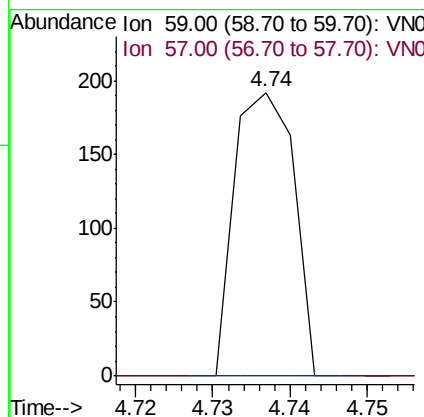
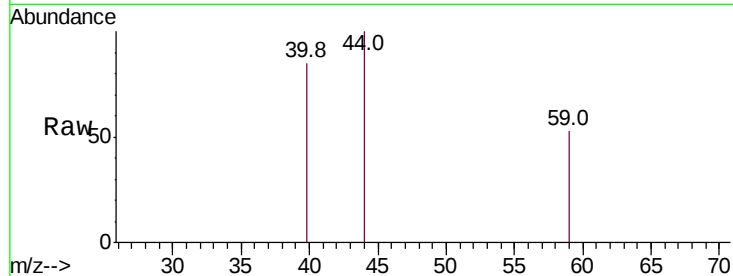




#11
Tert butyl alcohol
Concen: 0.276 ug/l
RT: 4.74 min Scan# 932
Delta R.T. 0.01 min
Lab File: VN063794.D
Acq: 2 Oct 2020 1:20

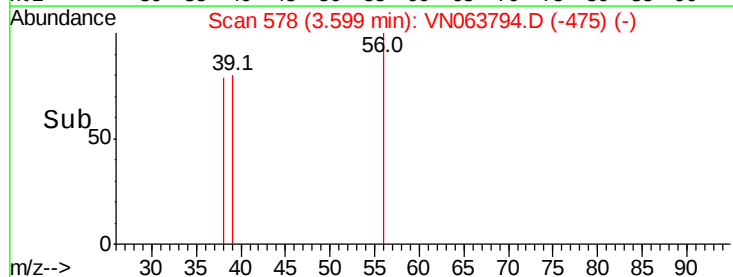
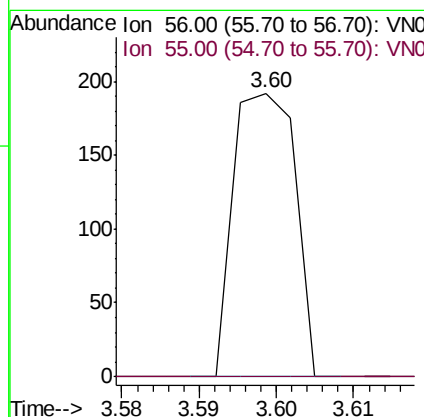
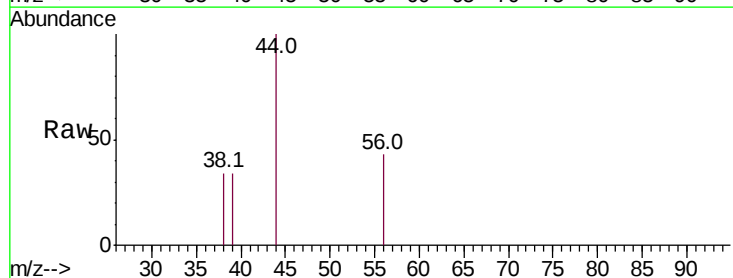
Instrument :
MSVOA_N
ClientSampled :
TRIP-BLANK

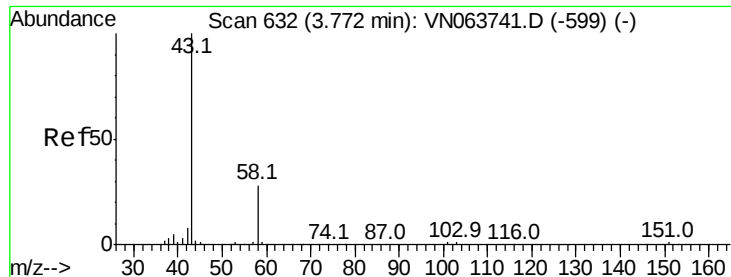
Tot Ion: 59 Resp: 102
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#13
Acrolein
Concen: 0.472 ug/l
RT: 3.60 min Scan# 578
Delta R.T. 0.03 min
Lab File: VN063794.D
Acq: 2 Oct 2020 1:20

Tgt Ion: 56 Resp: 107
Ion Ratio Lower Upper
56 100
55 0.0 56.9 85.3#





#16

Acetone

Concen: 0.436 ug/l

RT: 3.79 min Scan# 637

Delta R.T. 0.02 min

Lab File: VN063794.D

Acq: 2 Oct 2020 1:20

Instrument :

MSVOA_N

ClientSampleId :

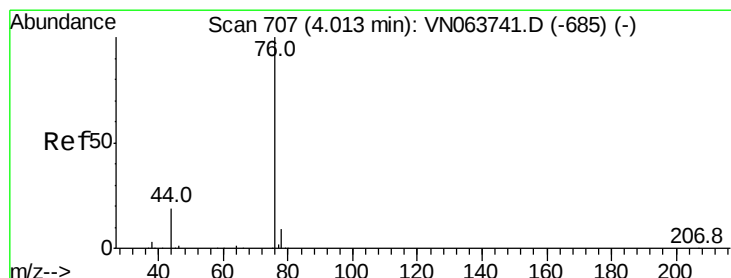
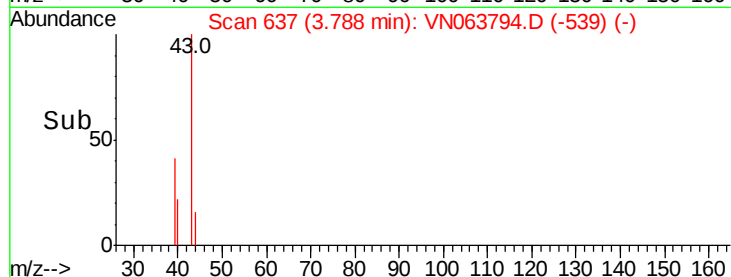
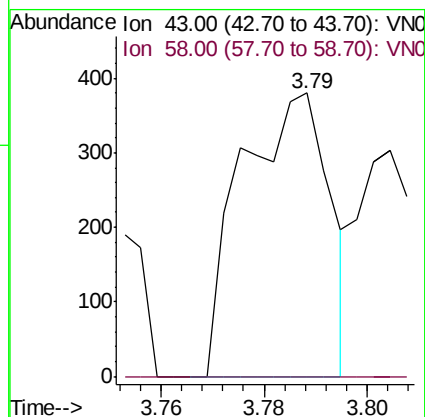
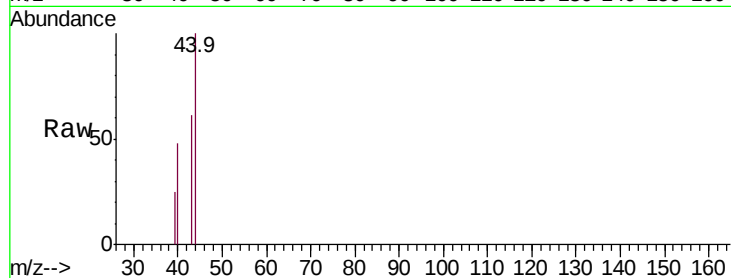
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Tot Ion: 43 Resp: 449

Ion Ratio Lower Upper

43 100

58 0.0 22.3 33.5#



#17

Carbon Disulfide

Concen: 0.902 ug/l

RT: 4.01 min Scan# 706

Delta R.T. -0.00 min

Lab File: VN063794.D

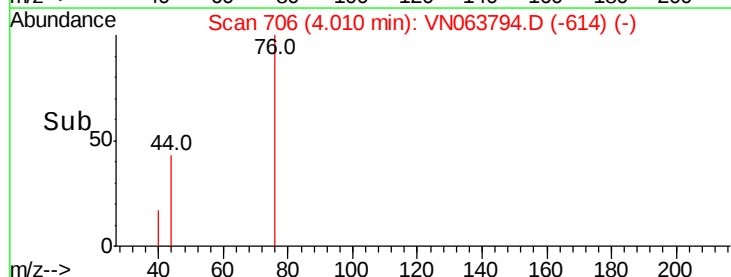
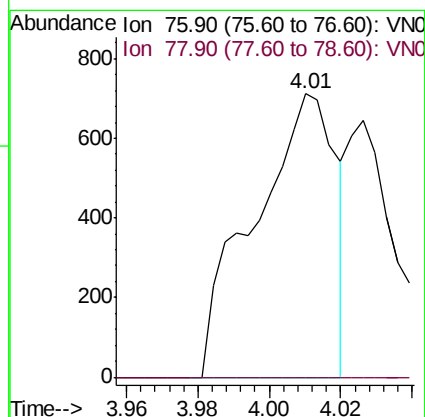
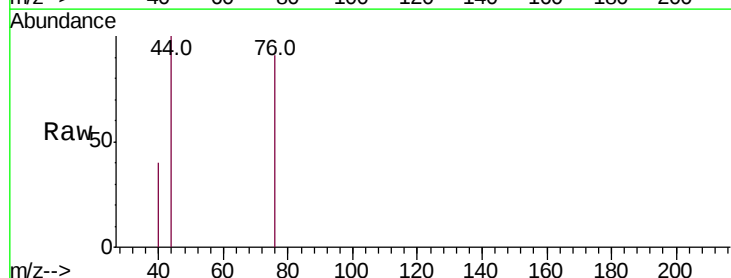
Acq: 2 Oct 2020 1:20

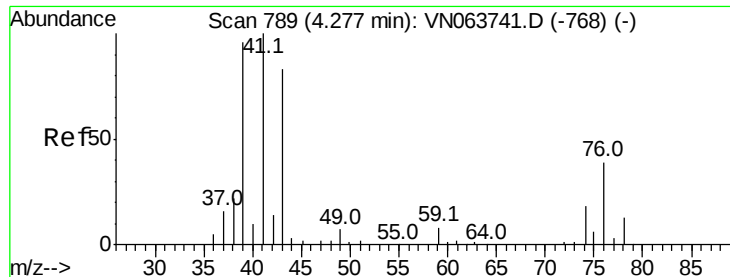
Tgt Ion: 76 Resp: 1125

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.4#

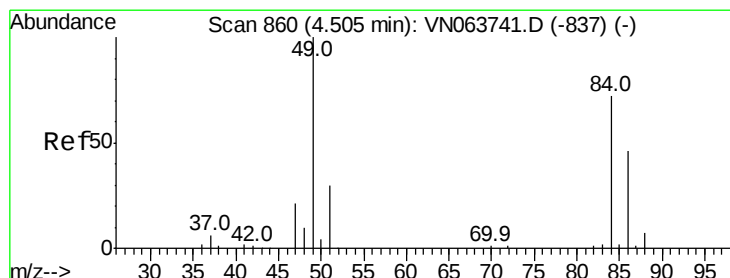
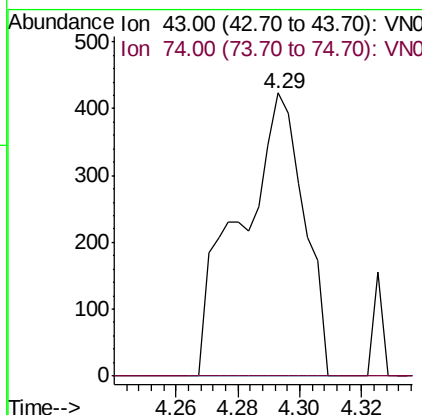
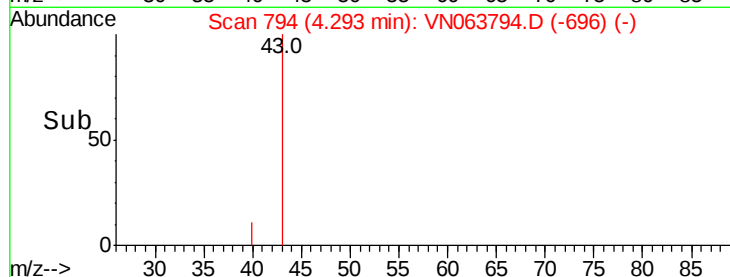
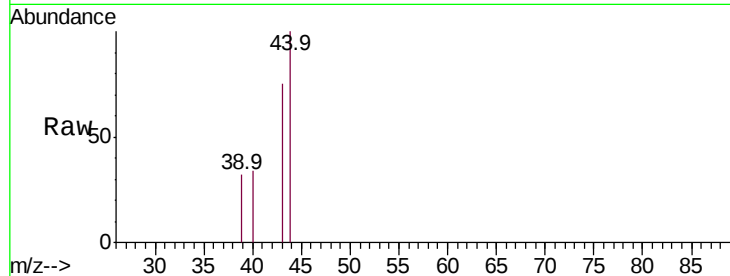




#18
Methyl Acetate
Concen: 0.227 ug/l
RT: 4.29 min Scan# 794
Delta R.T. 0.02 min
Lab File: VN063794.D
Acq: 2 Oct 2020 1:20

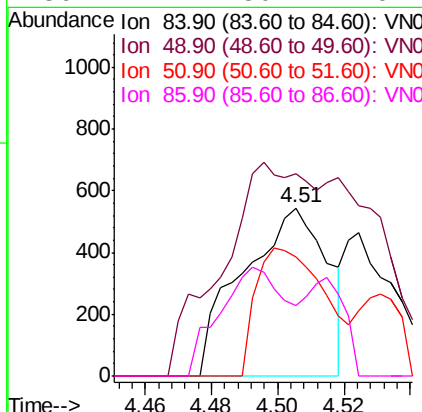
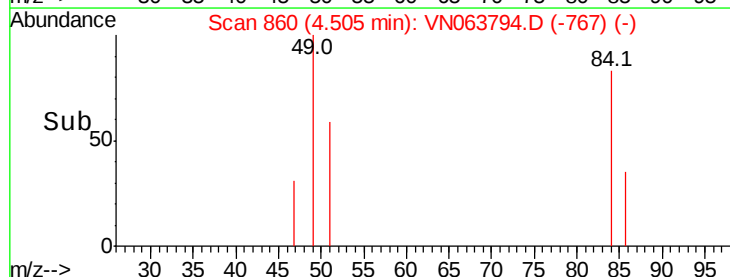
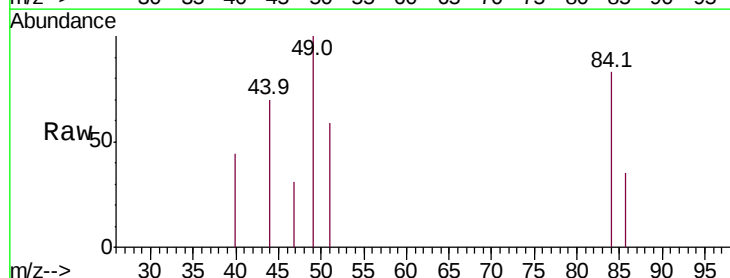
Instrument :
MSVOA_N
ClientSampled :
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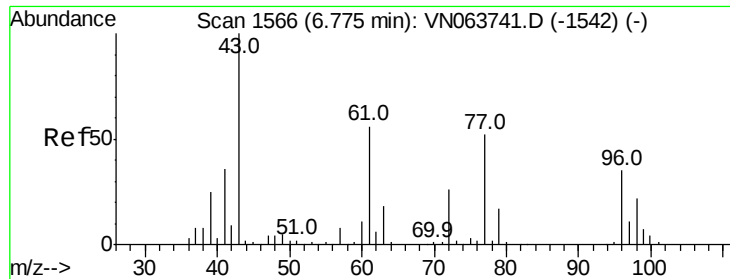
Tot Ion: 43 Resp: 608
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.2#



#20
Methylene Chloride
Concen: 0.506 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN063794.D
Acq: 2 Oct 2020 1:20

Tgt Ion: 84 Resp: 964
Ion Ratio Lower Upper
84 100
49 72.1 110.4 165.6#
51 71.0 33.3 49.9#
86 41.7 50.7 76.1#

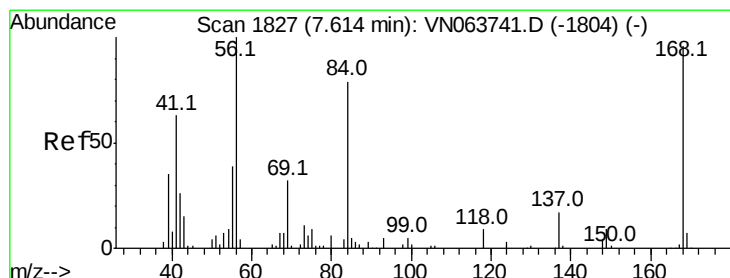
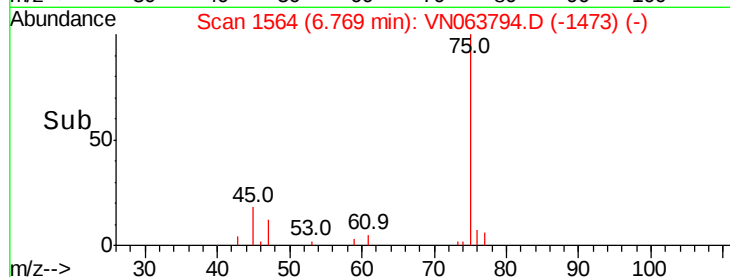
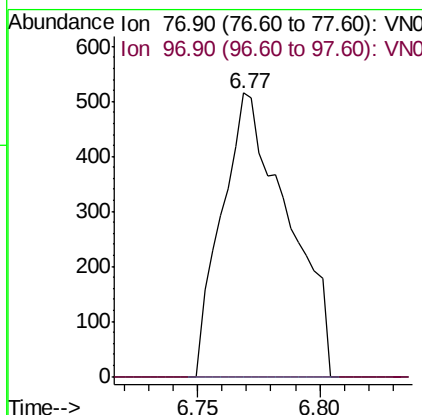
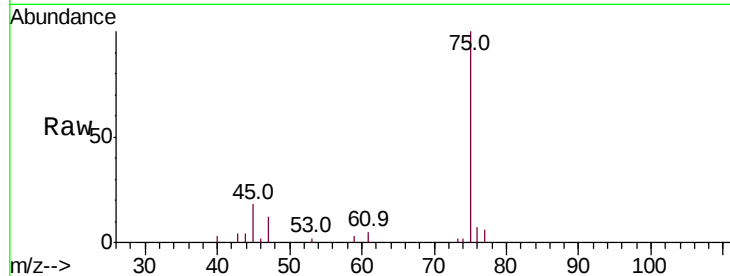




#26
 2,2-Dichloropropane
 Concen: 0.238 ug/l
 RT: 6.77 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: VN063794.D
 Acq: 2 Oct 2020 1:20

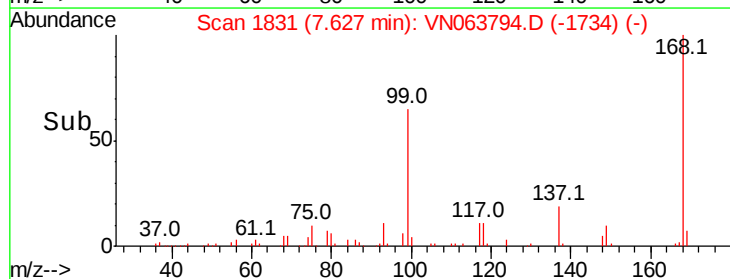
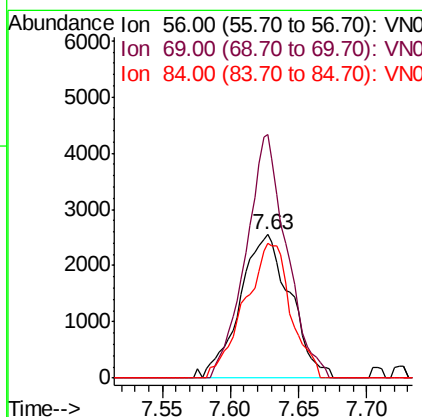
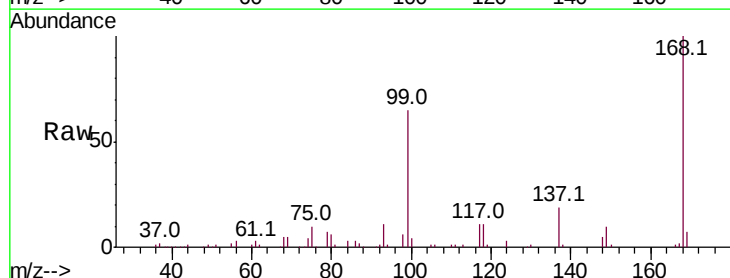
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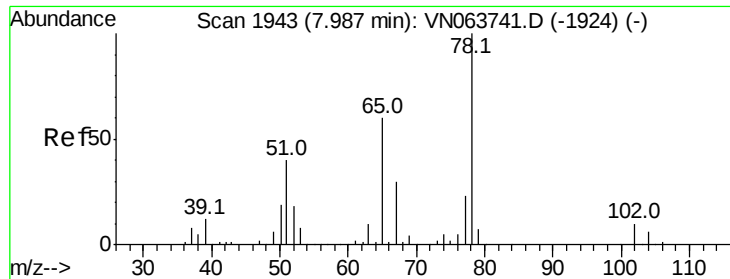
Tot Ion: 77 Resp: 970
 Ion Ratio Lower Upper
 77 100
 97 0.0 10.8 32.3#



#31
 Cyclohexane
 Concen: 1.685 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. 0.01 min
 Lab File: VN063794.D
 Acq: 2 Oct 2020 1:20

Tgt Ion: 56 Resp: 6548
 Ion Ratio Lower Upper
 56 100
 69 169.6 25.4 38.2#
 84 94.3 63.3 94.9





#33

1,2-Dichloroethane-d4

Concen: 51.617 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN063794.D

Acq: 2 Oct 2020 1:20

Instrument :

MSVOA_N

ClientSampleId :

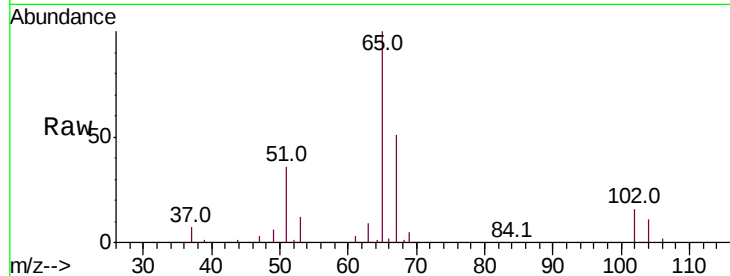
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Tot Ion: 65 Resp: 172763

Ion Ratio Lower Upper

65 100

67 49.1 0.0 99.6



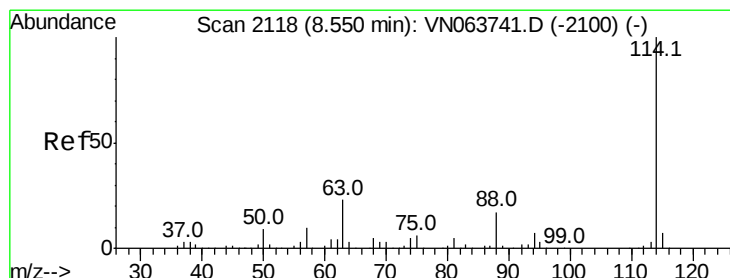
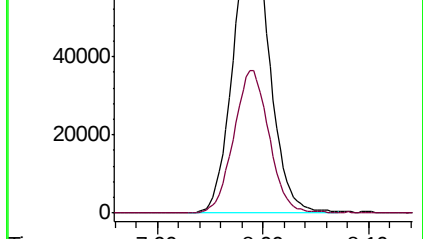
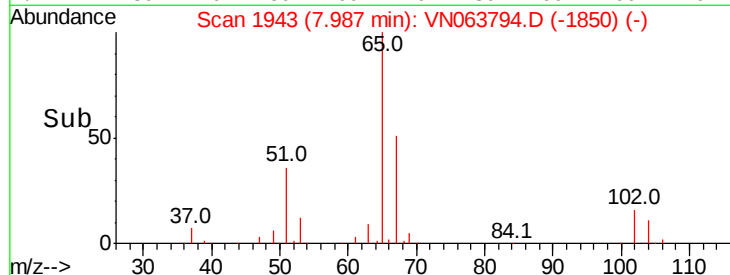
Abundance Ion 64.90 (64.60 to 65.60): VN063794.D (-1850) (-)

Ion 66.90 (66.60 to 67.60): VN063794.D (-1850) (-)

7.99

8.00

8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN063794.D

Acq: 2 Oct 2020 1:20

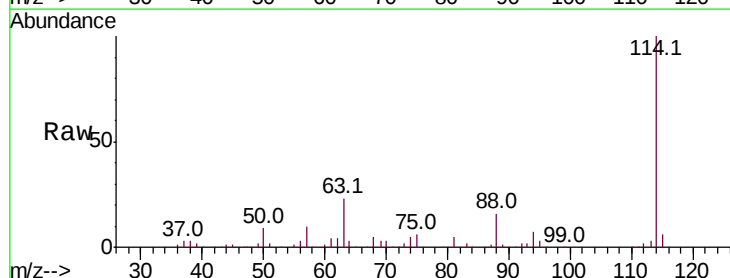
Tgt Ion: 114 Resp: 368055

Ion Ratio Lower Upper

114 100

63 23.3 0.0 45.0

88 16.4 0.0 34.0



Abundance Ion 113.90 (113.60 to 114.60): VN063794.D (-2025) (-)

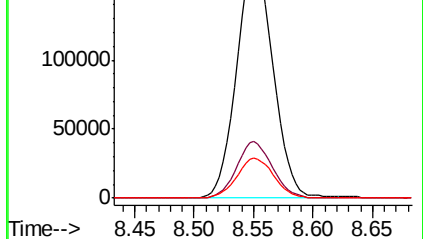
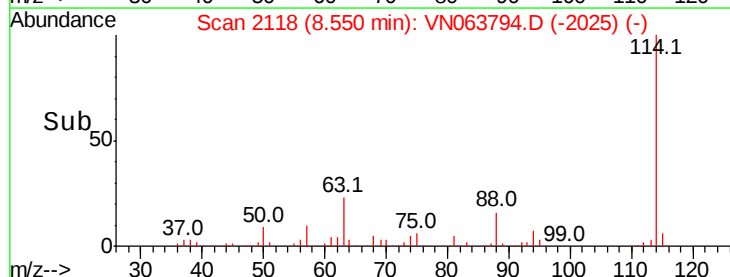
Ion 63.00 (62.70 to 63.70): VN063794.D (-2025) (-)

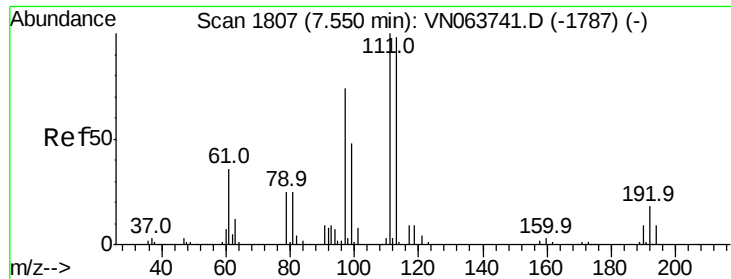
Ion 87.90 (87.60 to 88.60): VN063794.D (-2025) (-)

8.55

8.60

8.65

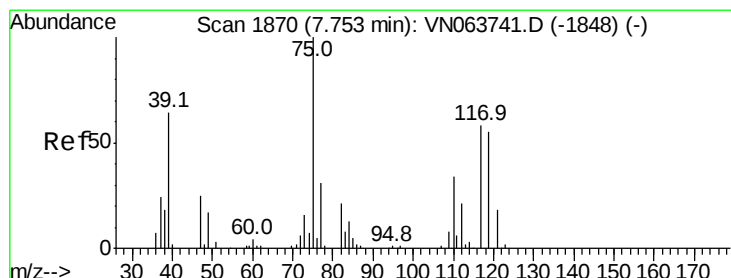
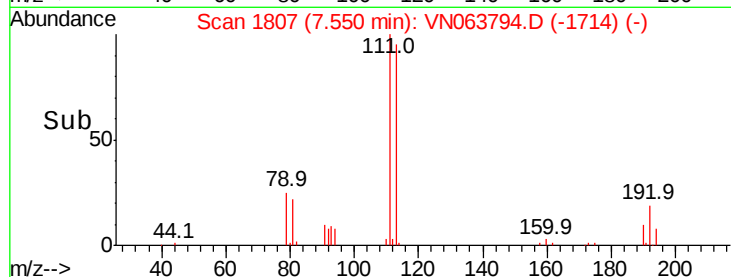
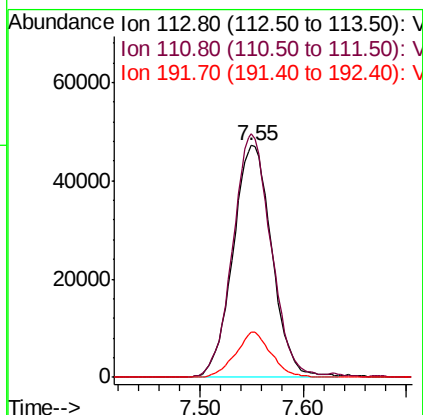
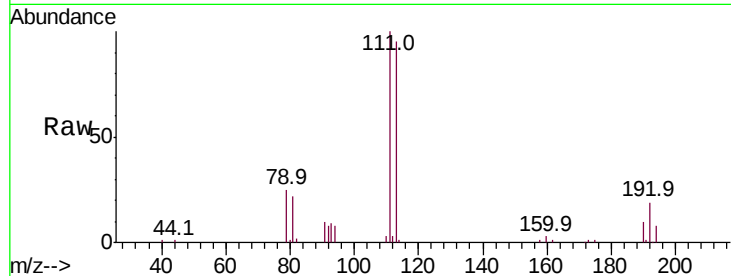




#35
 Dibromofluoromethane
 Concen: 48.497 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN063794.D
 Acq: 2 Oct 2020 1:20

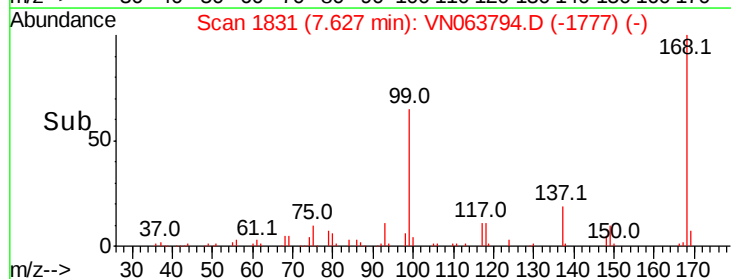
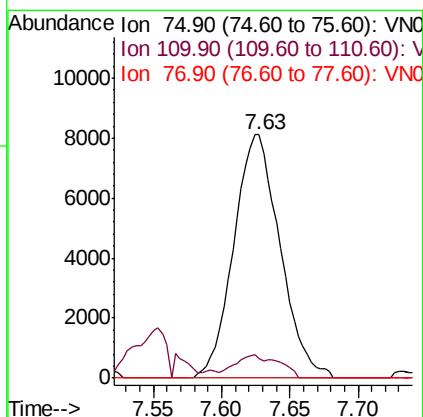
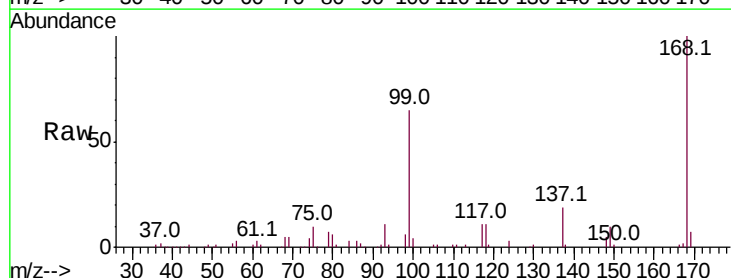
Instrument :
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 ClientSampleId :
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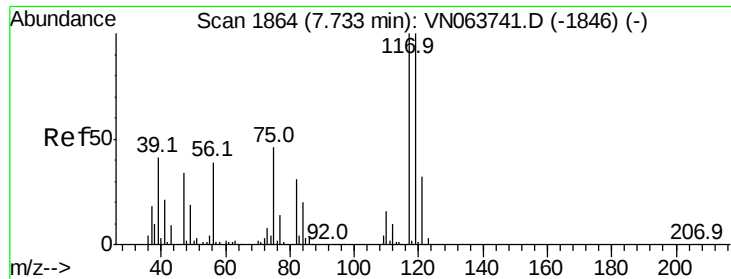
Tot Ion:113 Resp: 123854
 Ion Ratio Lower Upper
 113 100
 111 102.9 81.8 122.8
 192 17.8 14.2 21.2



#36
 1,1-Dichloropropene
 Concen: 5.129 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN063794.D
 Acq: 2 Oct 2020 1:20

Tgt Ion: 75 Resp: 19126
 Ion Ratio Lower Upper
 75 100
 110 9.0 16.9 50.6#
 77 0.0 24.5 36.7#

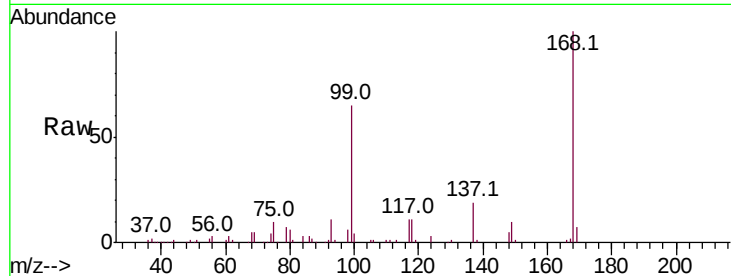




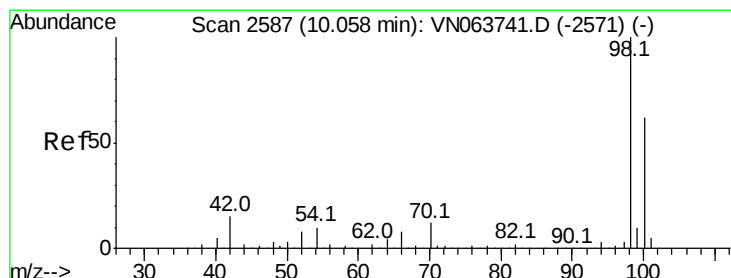
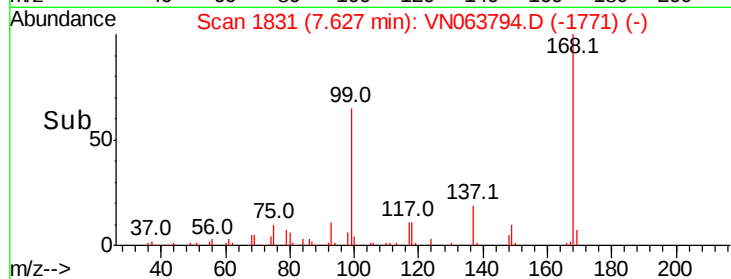
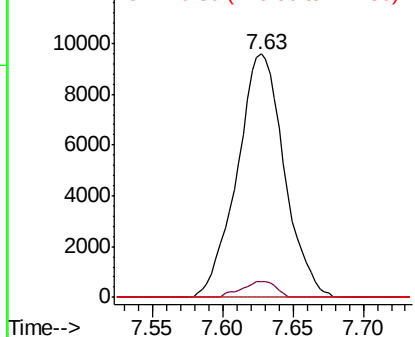
#38
Carbon Tetrachloride
Concen: 5.352 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. -0.11 min
Lab File: VN063794.D
Acq: 2 Oct 2020 1:20

Instrument :
MSVOA_N
ClientSampleId :
TRIP-BLANK

Tot Ion:117 Resp: 22377
Ion Ratio Lower Upper
117 100
119 6.5 80.1 120.1#
121 0.0 25.7 38.5#

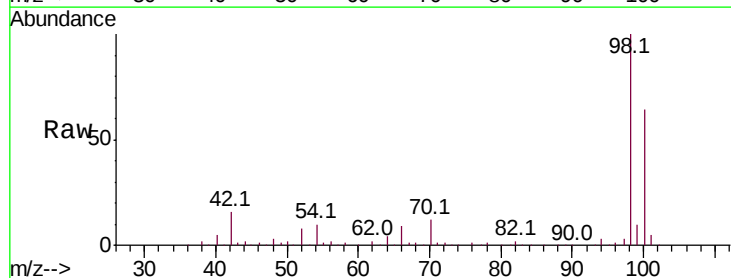


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

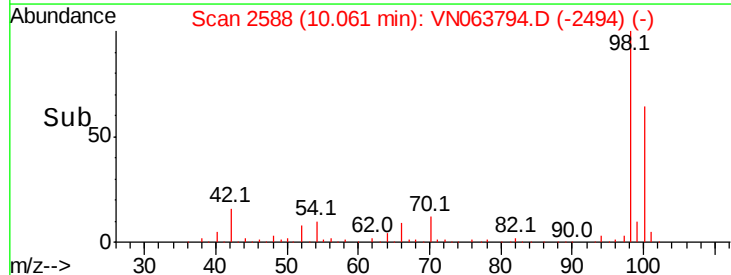
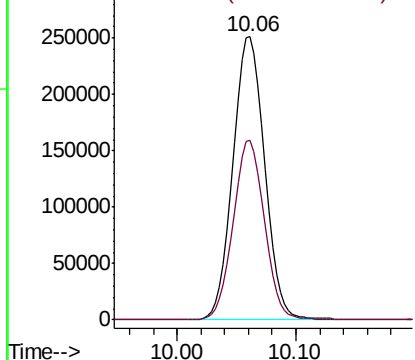


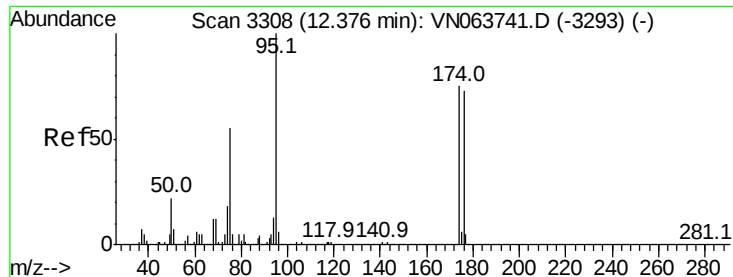
#50
Toluene-d8
Concen: 48.072 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063794.D
Acq: 2 Oct 2020 1:20

Tgt Ion: 98 Resp: 465400
Ion Ratio Lower Upper
98 100
100 62.6 49.8 74.6



Abundance Ion 98.00 (97.70 to 98.70): VN
Ion 100.00 (99.70 to 100.70): VN





#62

4-Bromofluorobenzene

Concen: 50.268 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN063794.D

Acq: 2 Oct 2020 1:20

Instrument :

MSVOA_N

ClientSampleId :

TRIP-BLANK

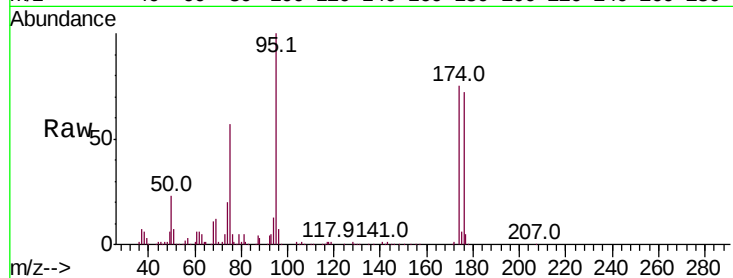
Tot Ion: 95 Resp: 182941

Ion Ratio Lower Upper

95 100

174 73.3 0.0 150.6

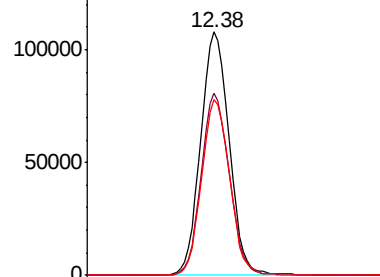
176 70.9 0.0 145.4



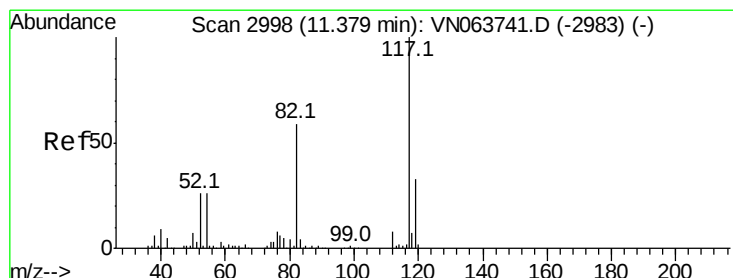
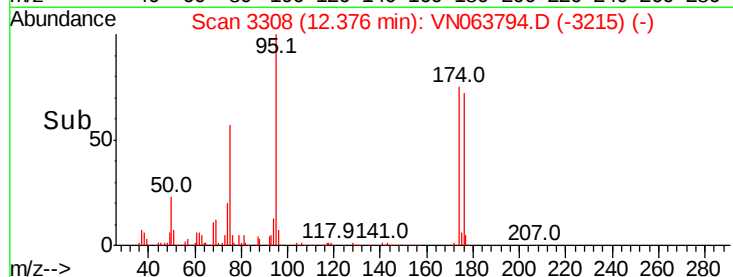
Abundance Ion 94.90 (94.60 to 95.60): VN063794.D (-3293) (-)

Ion 173.80 (173.50 to 174.50): VN063794.D (-3293) (-)

Ion 175.80 (175.50 to 176.50): VN063794.D (-3293) (-)



Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. 0.00 min

Lab File: VN063794.D

Acq: 2 Oct 2020 1:20

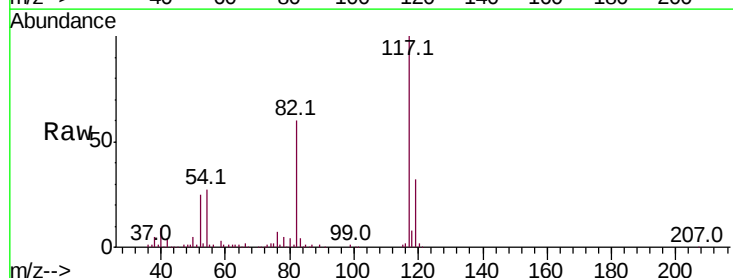
Tgt Ion: 117 Resp: 371645

Ion Ratio Lower Upper

117 100

82 60.1 47.4 71.2

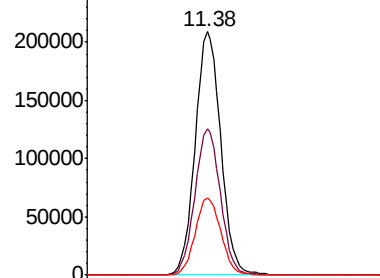
119 31.7 26.4 39.6



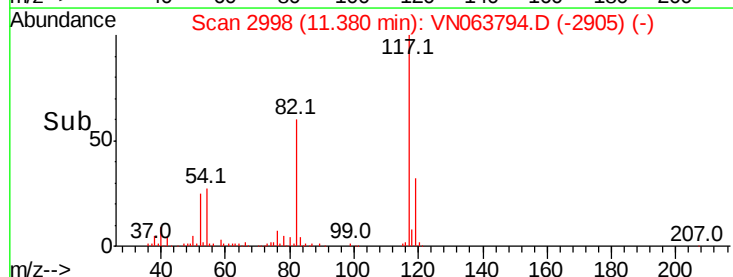
Abundance Ion 116.90 (116.60 to 117.60): VN063794.D (-2983) (-)

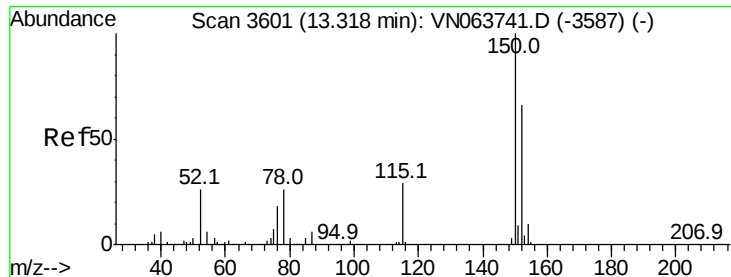
Ion 82.00 (81.70 to 82.70): VN063794.D (-2983) (-)

Ion 118.90 (118.60 to 119.60): VN063794.D (-2983) (-)



Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN063794.D

Acq: 2 Oct 2020 1:20

Instrument :

MSVOA_N

ClientSampleId :

TRIP-BLANK

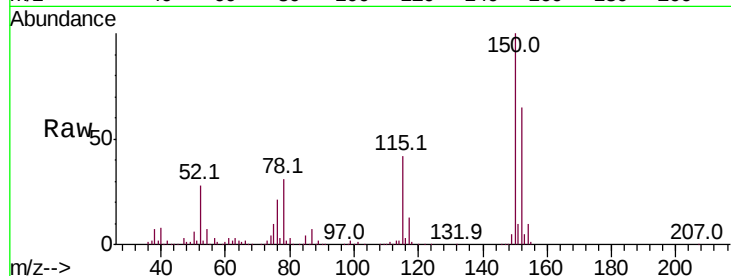
Tot Ion:152 Resp: 149905

Ion Ratio Lower Upper

152 100

115 62.4 31.3 93.8

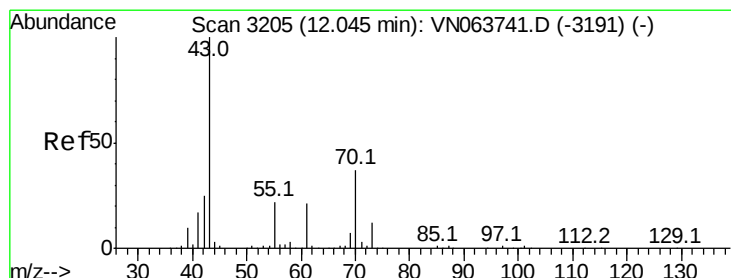
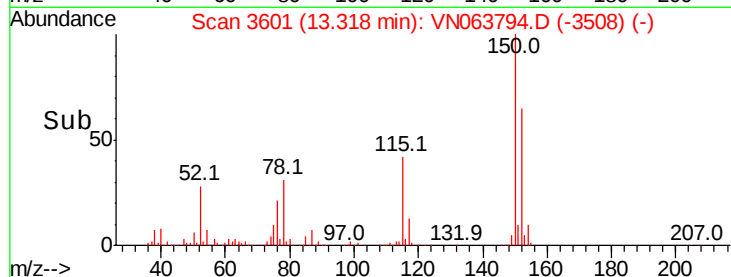
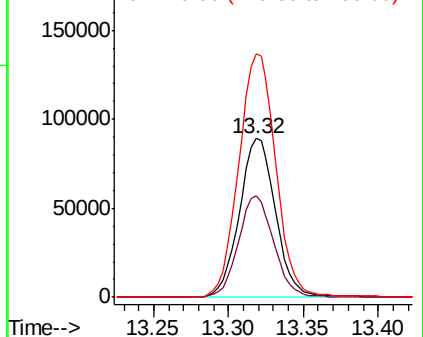
150 158.0 0.0 341.8



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: 2.228 ug/l

RT: 12.05 min Scan# 3206

Delta R.T. 0.00 min

Lab File: VN063794.D

Acq: 2 Oct 2020 1:20

Tgt Ion: 43 Resp: 65

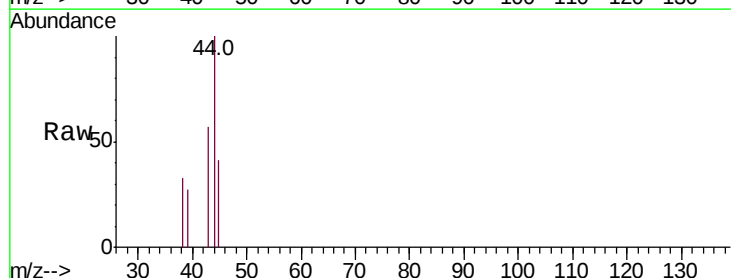
Ion Ratio Lower Upper

43 100

70 0.0 29.8 44.8#

55 0.0 17.9 26.9#

61 0.0 17.0 25.4#

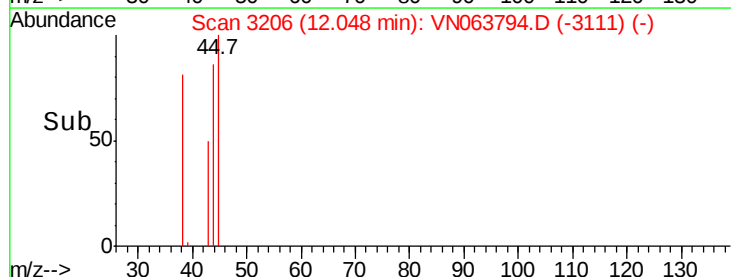
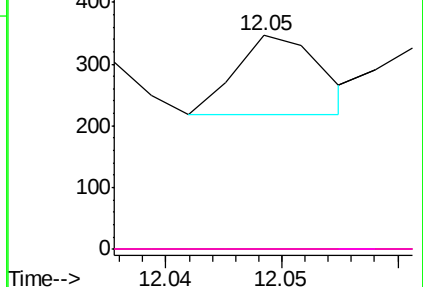


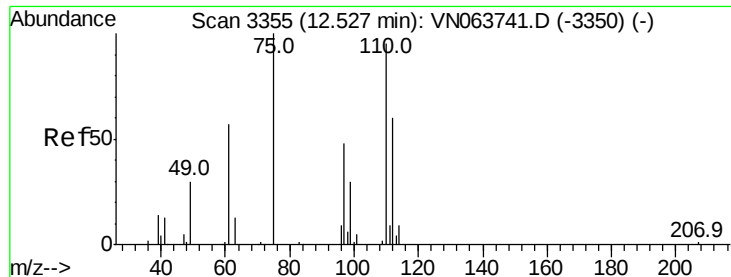
Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 31.391 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063794.D

Acq: 2 Oct 2020 1:20

Instrument :

MSVOA_N

ClientSampled :

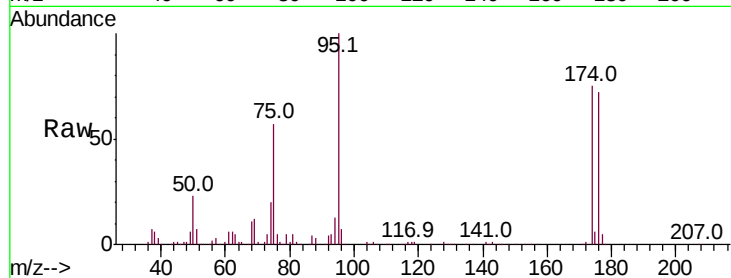
TRIP-BLANK

Tot Ion: 75 Resp: 103731

Ion Ratio Lower Upper

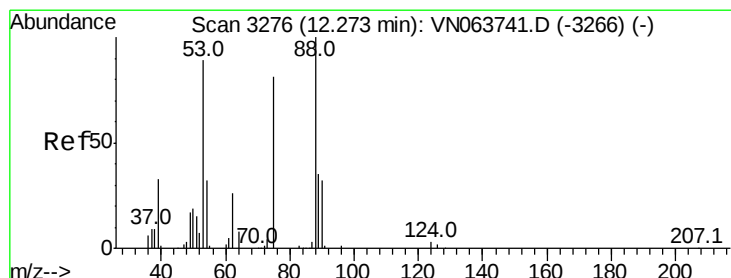
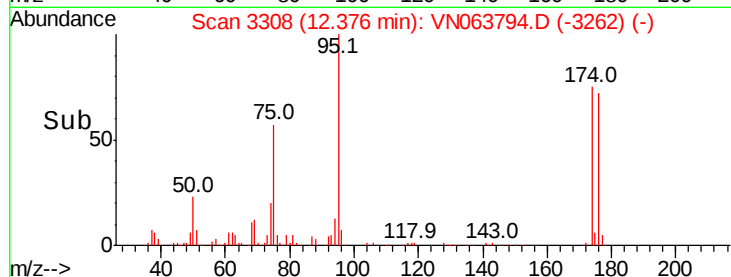
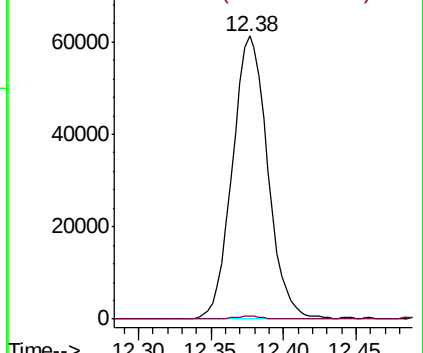
75 100

77 0.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO



#81

trans-1,4-Dichloro-2-butene

Concen: 90.411 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063794.D

Acq: 2 Oct 2020 1:20

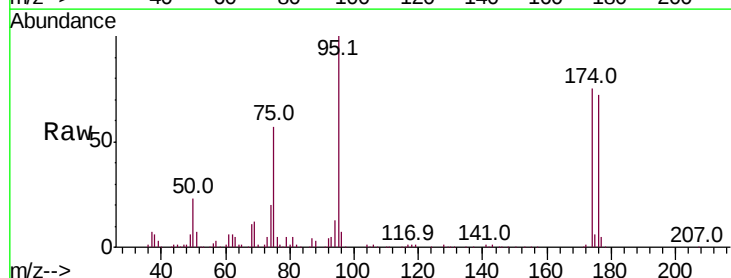
Tgt Ion: 75 Resp: 103731

Ion Ratio Lower Upper

75 100

53 0.1 88.2 132.2#

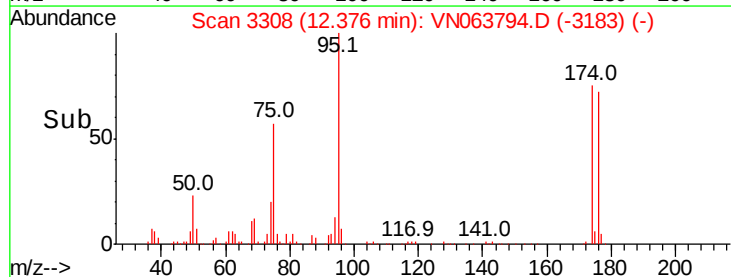
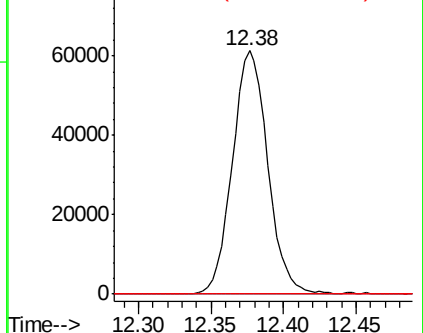
89 0.0 36.0 54.0#

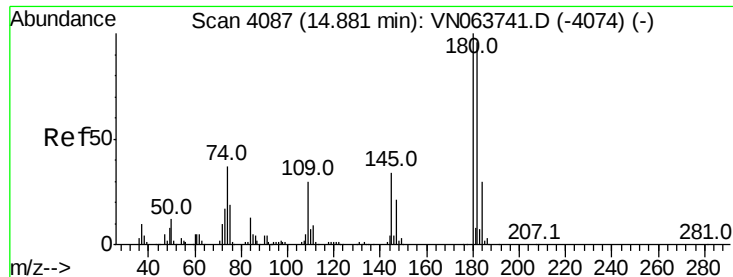


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

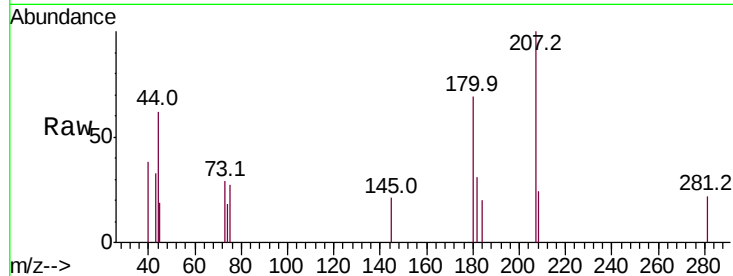




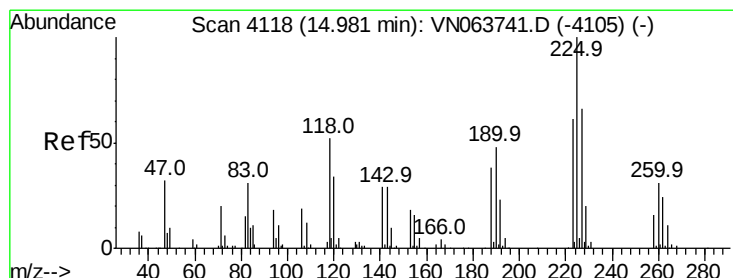
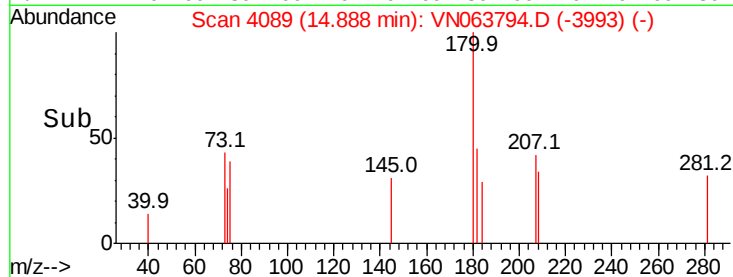
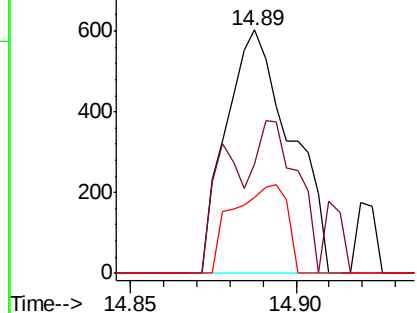
#93
 1,2,4-Trichlorobenzene
 Concen: 2.040 ug/l
 RT: 14.89 min Scan# 4089
 Delta R.T. 0.01 min
 Lab File: VN063794.D
 Acq: 2 Oct 2020 1:20

Instrument :
 MSVOA_N
 ClientSampled :
 TRIP-BLANK

Tot Ion:180 Resp: 821
 Ion Ratio Lower Upper
 180 100
 182 41.0 48.2 144.6#
 145 30.1 17.1 51.2

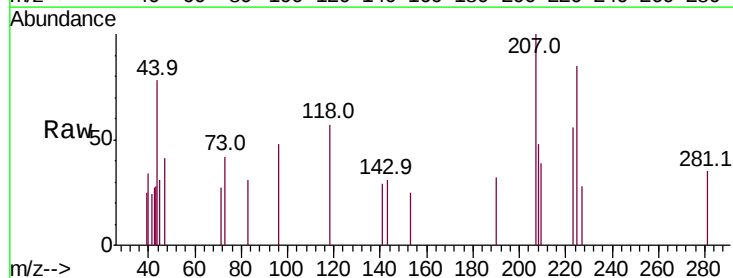


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

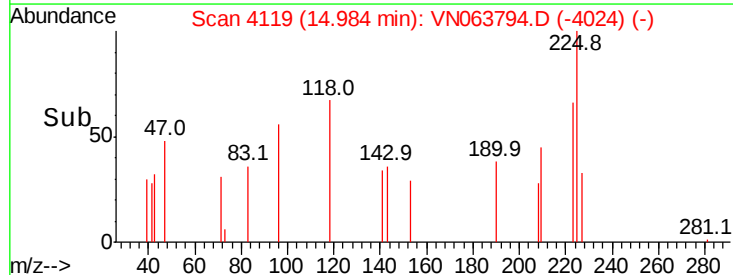
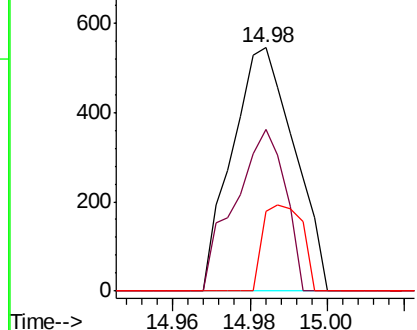


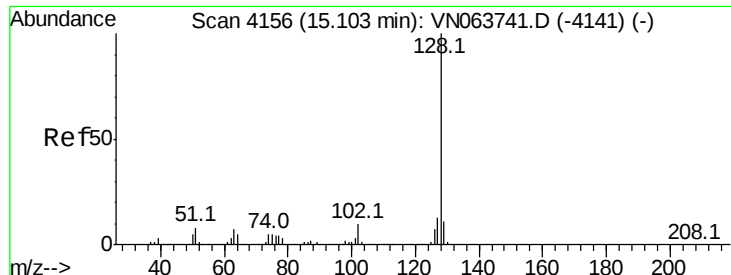
#94
 Hexachlorobutadiene
 Concen: 0.533 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN063794.D
 Acq: 2 Oct 2020 1:20

Tgt Ion:225 Resp: 608
 Ion Ratio Lower Upper
 225 100
 223 53.8 30.3 91.0
 227 22.5 31.9 95.5#



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

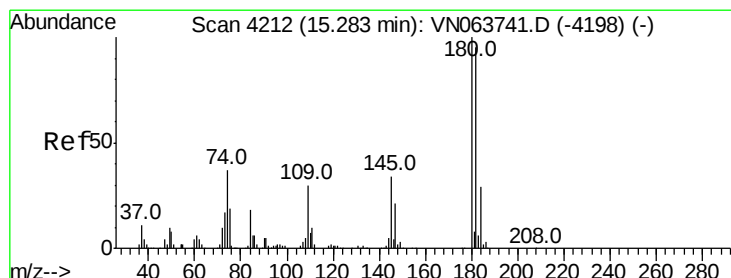
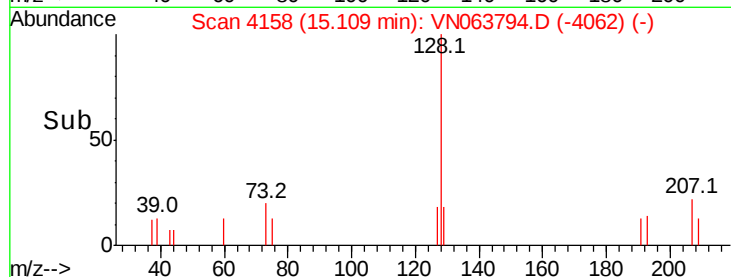
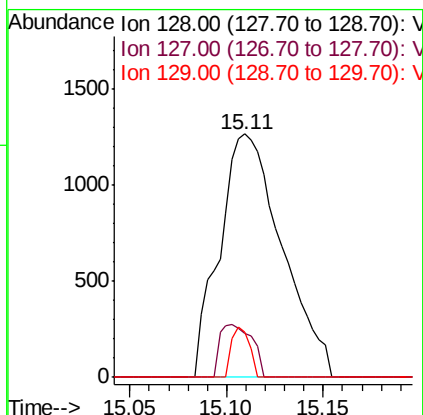
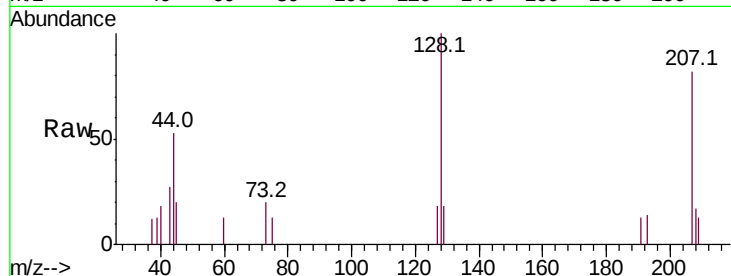




#95
Naphthalene
Concen: 2.261 ug/l
RT: 15.11 min Scan# 4158
Delta R.T. 0.01 min
Lab File: VN063794.D
Acq: 2 Oct 2020 1:20

Instrument :
MSVOA_N
ClientSampleId :
TRIP-BLANK

Tot Ion:128 Resp: 2835
Ion Ratio Lower Upper
128 100
127 11.1 10.5 15.7
129 5.7 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 1.932 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN063794.D
Acq: 2 Oct 2020 1:20

Tgt Ion:180 Resp: 952
Ion Ratio Lower Upper
180 100
182 0.0 47.9 143.6#
145 19.4 17.2 51.5

