

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111120\
 Data File : VN064549.D
 Acq On : 11 Nov 2020 12:48
 Operator : JC/MD
 Sample : L4702-09
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP-BLANK

Quant Time: Nov 12 01:31:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 12:09:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	231626	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	460434	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	472113	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	168092	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	219386	54.38	ug/l	0.00
Spiked Amount			Recovery	=	108.76%	
35) Dibromofluoromethane	7.55	113	160702	51.26	ug/l	0.00
Spiked Amount			Recovery	=	102.52%	
50) Toluene-d8	10.06	98	594127	49.03	ug/l	0.00
Spiked Amount			Recovery	=	98.06%	
62) 4-Bromofluorobenzene	12.38	95	217914	47.56	ug/l	0.00
Spiked Amount			Recovery	=	95.12%	

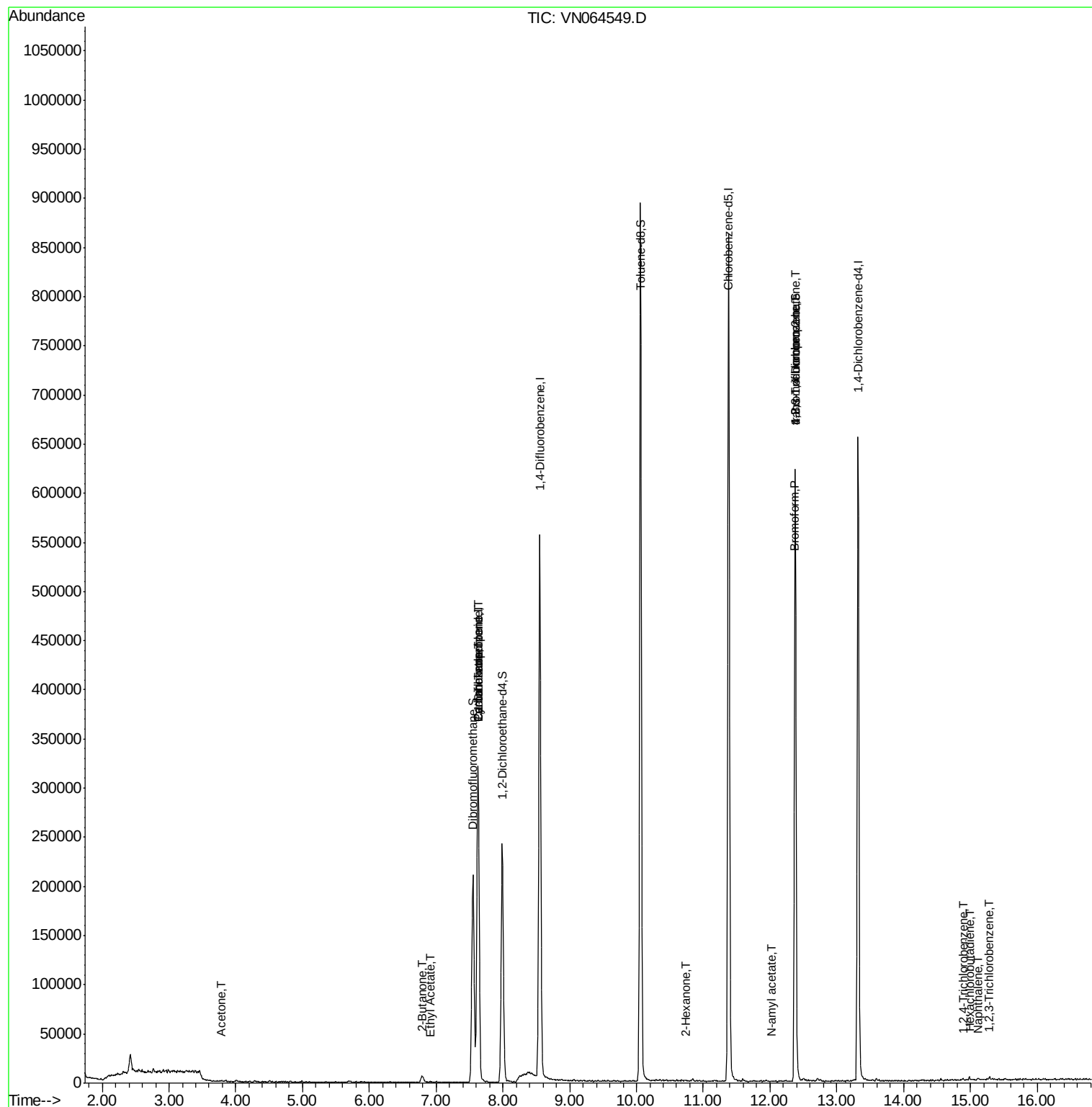
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	651	0.424	ug/l #	65
25) 2-Butanone	6.80	43	492	0.251	ug/l #	52
31) Cyclohexane	7.63	56	7081	1.444	ug/l #	42
36) 1,1-Dichloropropene	7.63	75	23122	4.754	ug/l #	52
37) Ethyl Acetate	6.91	43	71	0.777	ug/l #	71
38) Carbon Tetrachloride	7.63	117	26175	5.035	ug/l #	17
59) 2-Hexanone	10.73	43	553	4.173	ug/l	86
71) Bromoform	12.36	173	207	1.345	ug/l #	1
74) N-amyl acetate	12.02	43	263	1.254	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	122758	30.141	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	122758	84.158	ug/l #	8
93) 1,2,4-Trichlorobenzene	14.89	180	422	2.812	ug/l #	31
94) Hexachlorobutadiene	14.98	225	718	0.650	ug/l	92
95) Naphthalene	15.11	128	2672	3.892	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.28	180	827	3.075	ug/l	89

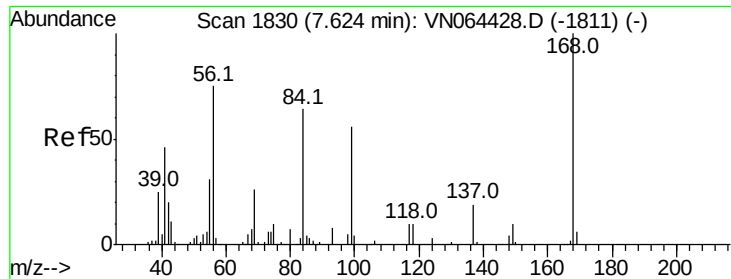
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064549.D

Acq: 11 Nov 2020 12:48

Instrument :

MSVOA_N

ClientSampleId :

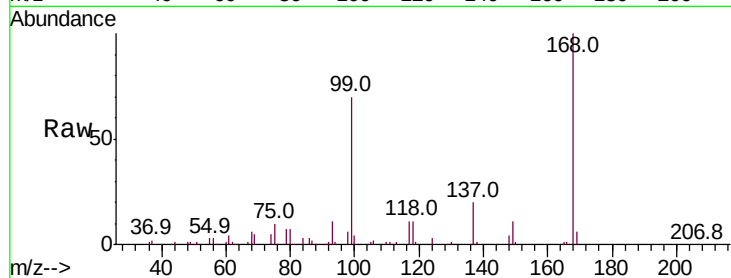
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Tot Ion:168 Resp: 231626

Ion Ratio Lower Upper

168 100

99 70.5 53.4 80.2



Abundance Ion 167.90 (167.60 to 168.60): VN064428.D (-1811) (-)

Ion 98.90 (98.60 to 99.60): VN064428.D (-1811) (-)

7.63

100000

80000

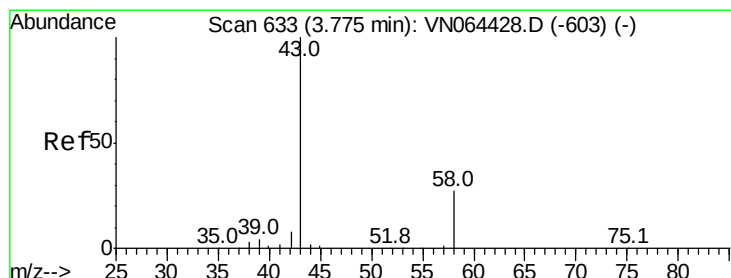
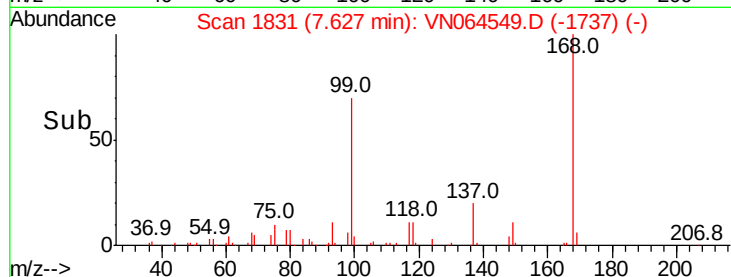
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 0.424 ug/l

RT: 3.79 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN064549.D

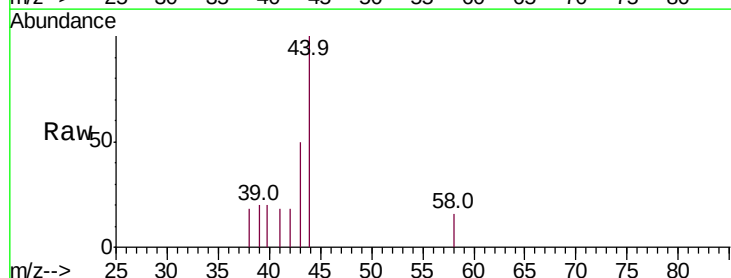
Acq: 11 Nov 2020 12:48

Tgt Ion: 43 Resp: 651

Ion Ratio Lower Upper

43 100

58 45.0 21.4 32.0#



Abundance Ion 43.00 (42.70 to 43.70): VN064428.D (-603) (-)

Ion 58.00 (57.70 to 58.70): VN064428.D (-603) (-)

3.79

600

500

400

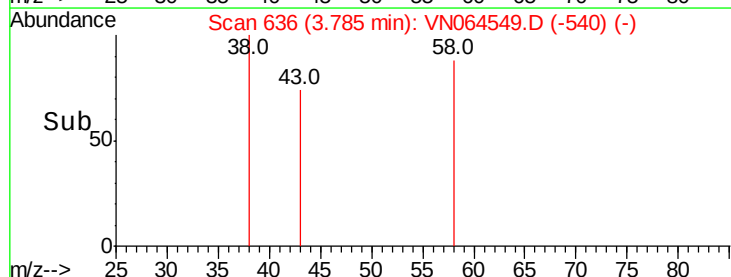
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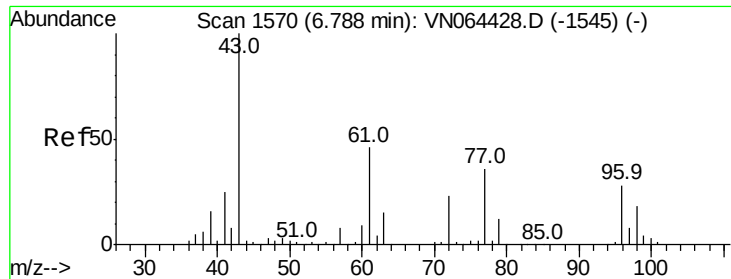
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100

0

Time-->

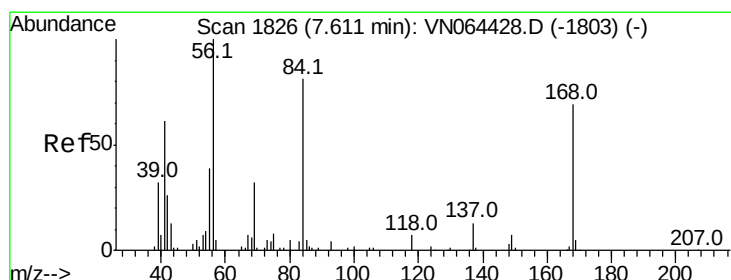
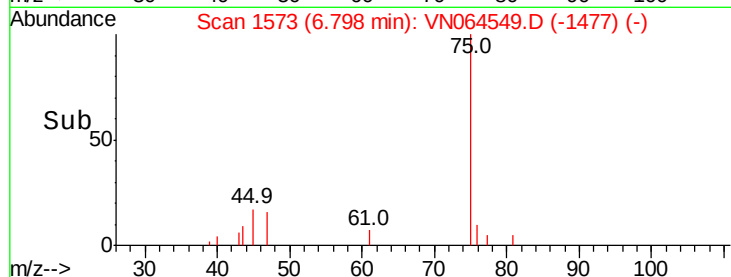
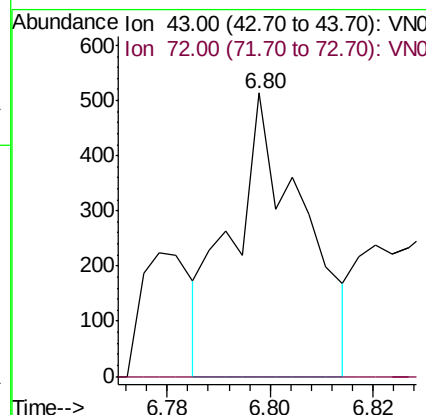
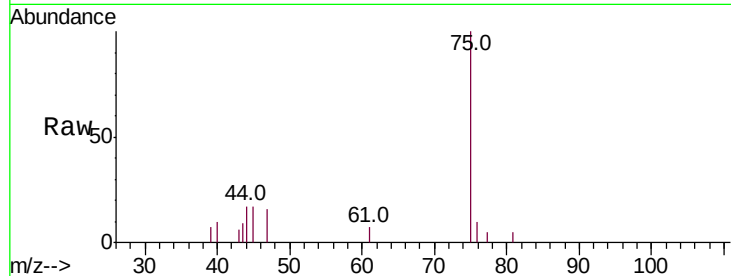




#25
2-Butanone
Concen: 0.251 ug/l
RT: 6.80 min Scan# 1573
Delta R.T. 0.01 min
Lab File: VN064549.D
Acq: 11 Nov 2020 12:48

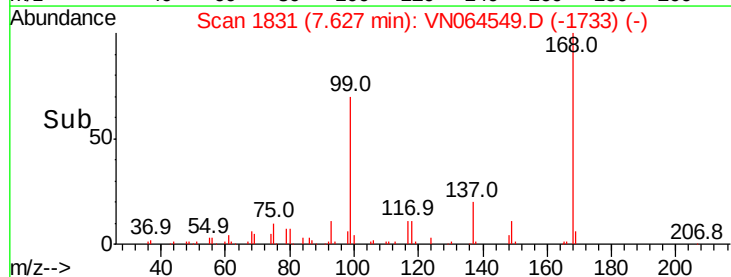
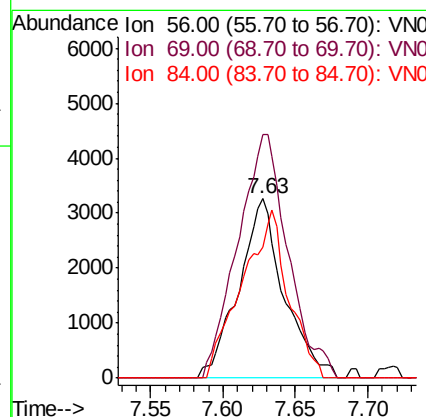
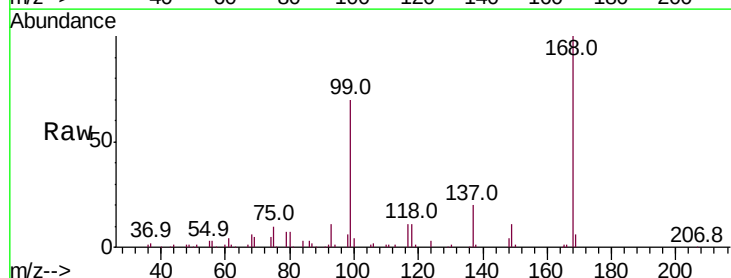
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MSVOA_N
ClientSampled :
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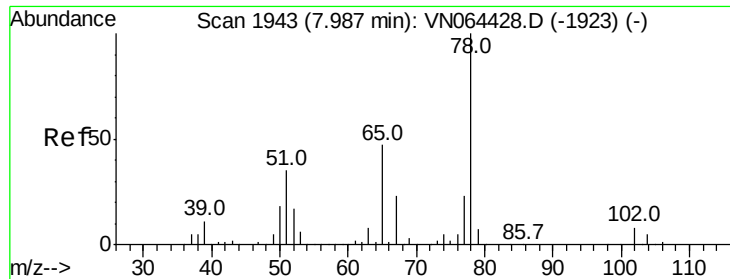
Tot Ion: 43 Resp: 492
Ion Ratio Lower Upper
43 100
72 0.0 18.5 27.7#



#31
Cyclohexane
Concen: 1.444 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. 0.02 min
Lab File: VN064549.D
Acq: 11 Nov 2020 12:48

Tgt Ion: 56 Resp: 7081
Ion Ratio Lower Upper
56 100
69 136.0 25.6 38.4#
84 73.3 63.0 94.6

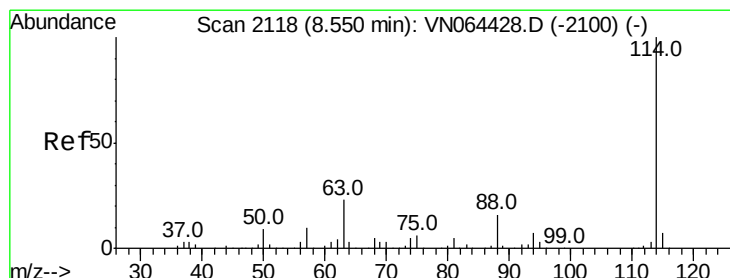
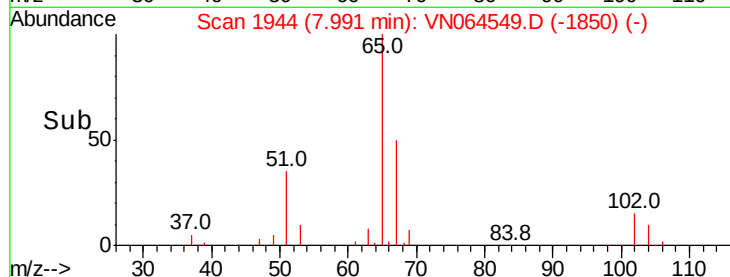
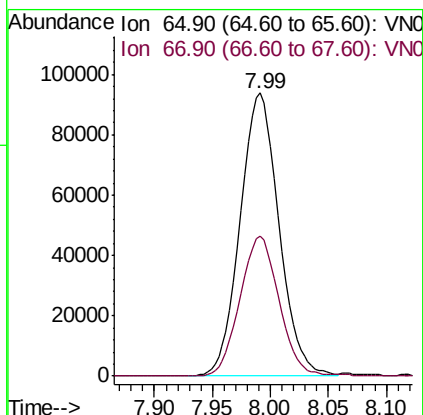
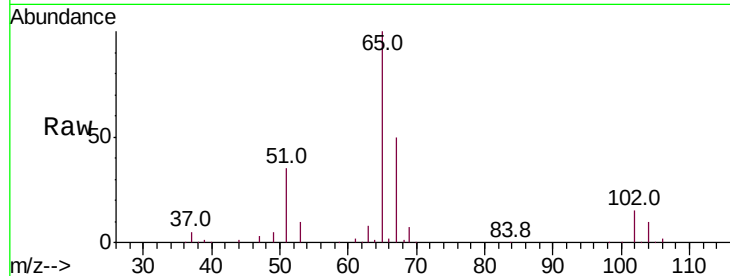




#33
 1,2-Dichloroethane-d4
 Concen: 54.377 ug/l
 RT: 7.99 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN064549.D
 Acq: 11 Nov 2020 12:48

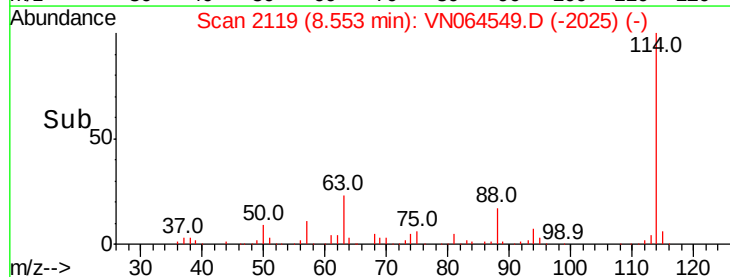
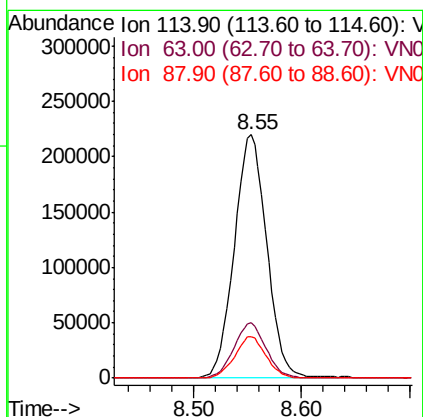
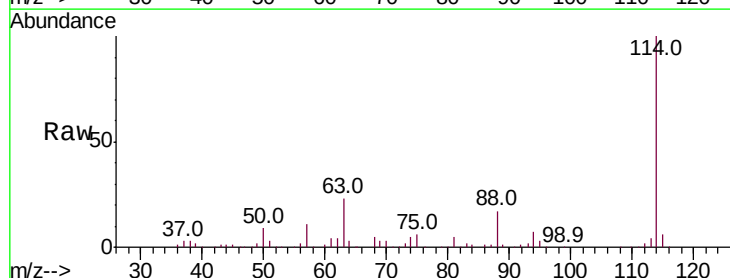
Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP-BLANK

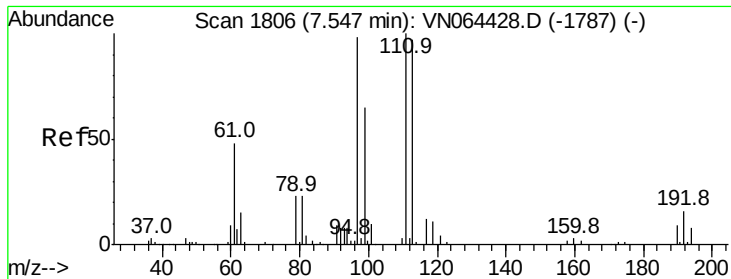
Tot Ion: 65 Resp: 219386
 Ion Ratio Lower Upper
 65 100
 67 49.8 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN064549.D
 Acq: 11 Nov 2020 12:48

Tgt Ion: 114 Resp: 460434
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 45.6
 88 17.1 0.0 32.8

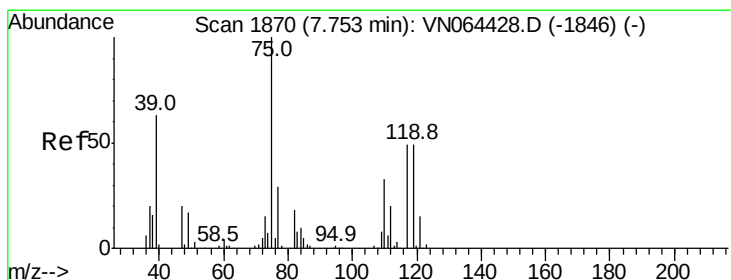
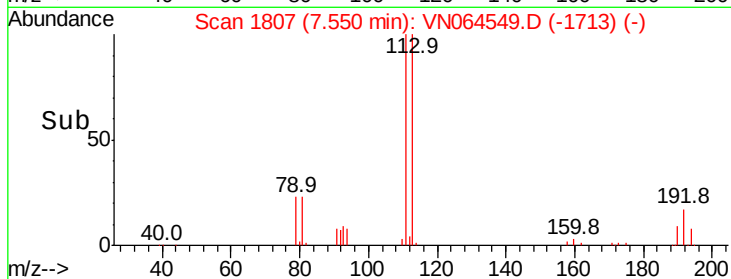
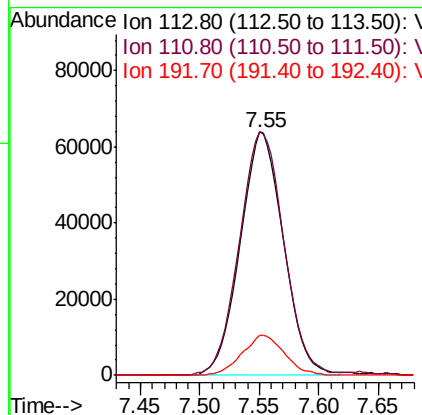
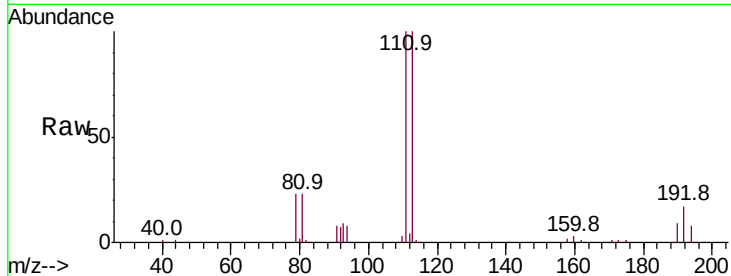




#35
 Dibromofluoromethane
 Concen: 51.262 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064549.D
 Acq: 11 Nov 2020 12:48

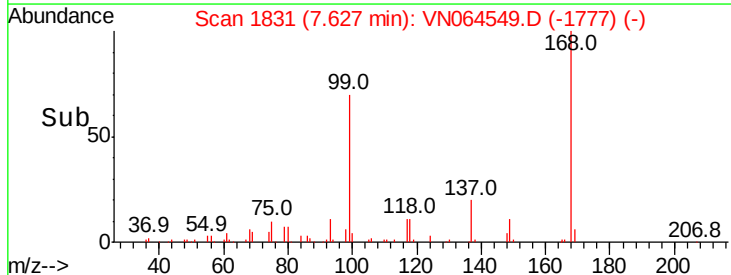
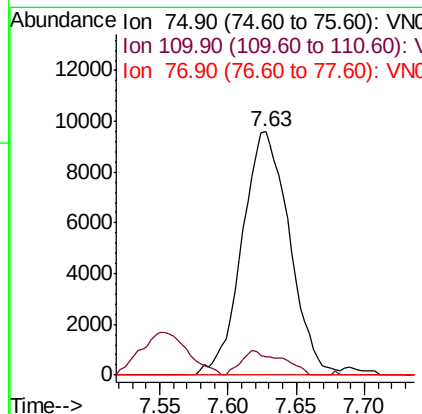
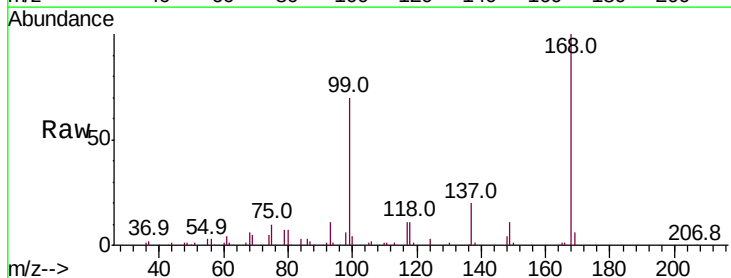
Instrument :
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 ClientSampleId :
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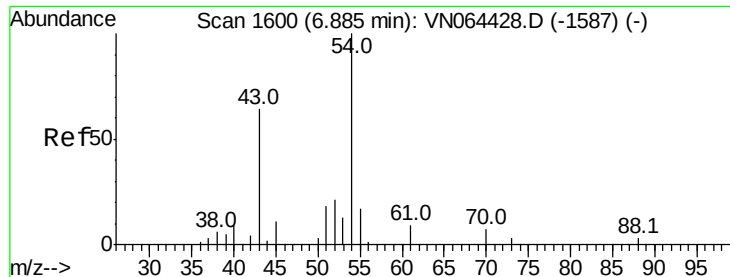
Tot Ion:113 Resp: 160702
 Ion Ratio Lower Upper
 113 100
 111 103.1 81.1 121.7
 192 16.2 12.8 19.2



#36
 1,1-Dichloropropene
 Concen: 4.754 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN064549.D
 Acq: 11 Nov 2020 12:48

Tgt Ion: 75 Resp: 23122
 Ion Ratio Lower Upper
 75 100
 110 8.8 16.0 48.0#
 77 0.0 24.0 36.0#





#37

Ethyl Acetate

Concen: 0.777 ug/l

RT: 6.91 min Scan# 1608

Delta R.T. 0.03 min

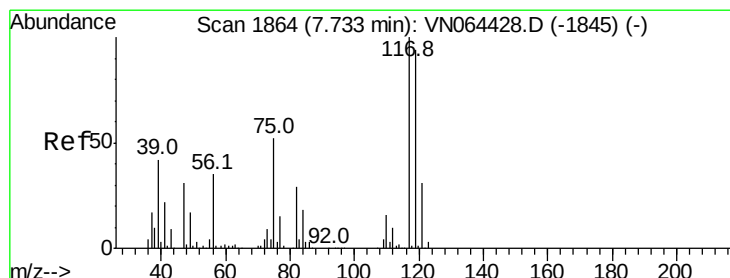
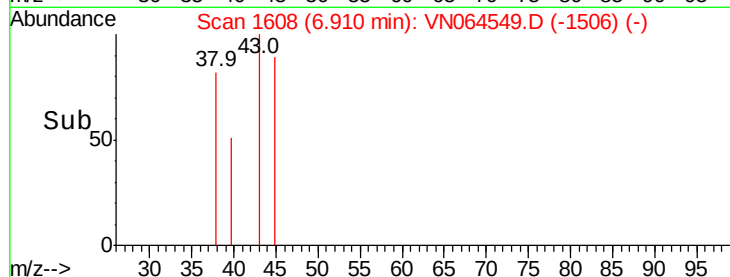
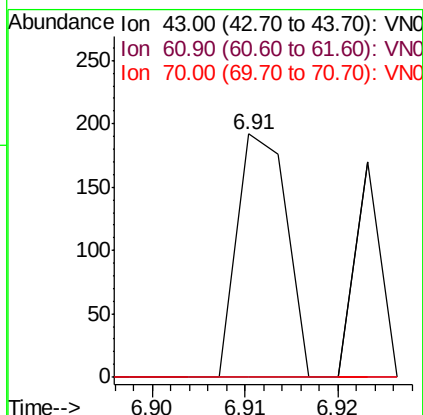
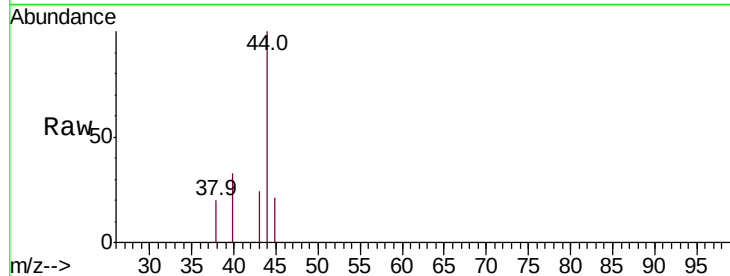
Lab File: VN064549.D

Acq: 11 Nov 2020 12:48

Instrument :
MSVOA_N
ClientSampleId :
TRIP-BLANK

Tot Ion: 43 Resp: 71

Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.0	15.0#
70	0.0	7.1	10.7#



#38

Carbon Tetrachloride

Concen: 5.035 ug/l

RT: 7.63 min Scan# 1832

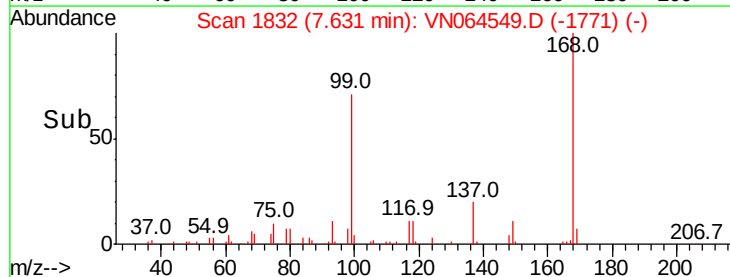
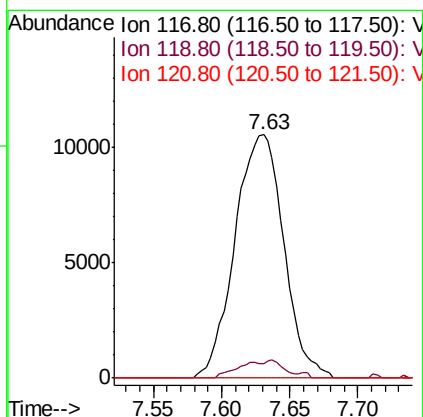
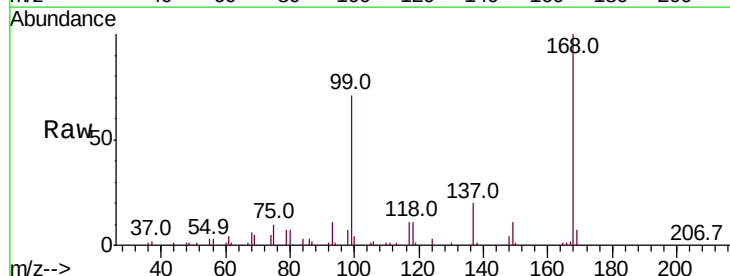
Delta R.T. -0.10 min

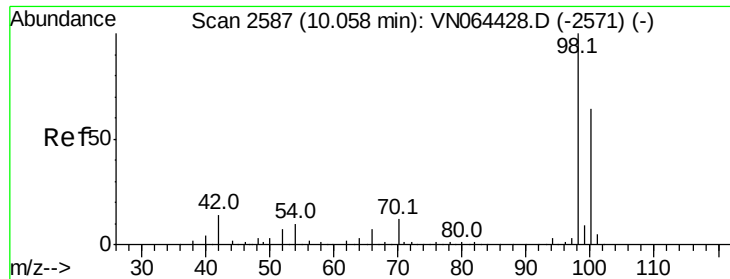
Lab File: VN064549.D

Acq: 11 Nov 2020 12:48

Tgt Ion: 117 Resp: 26175

Ion	Ratio	Lower	Upper
117	100		
119	6.0	75.5	113.3#
121	0.0	24.4	36.6#





#50

Toluene-d8

Concen: 49.035 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN064549.D

Acq: 11 Nov 2020 12:48

Instrument :

MSVOA_N

ClientSampled :

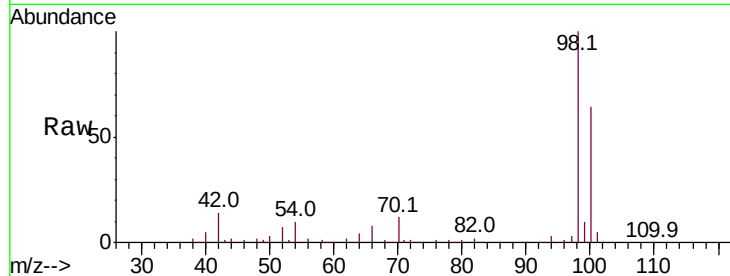
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Tot Ion: 98 Resp: 594127

Ion Ratio Lower Upper

98 100

100 63.3 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN064428.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN064428.D (-2571) (-)

10.06

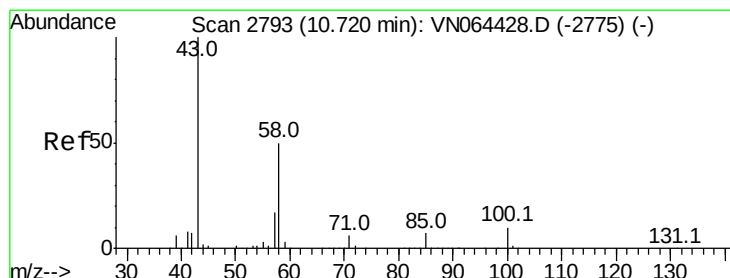
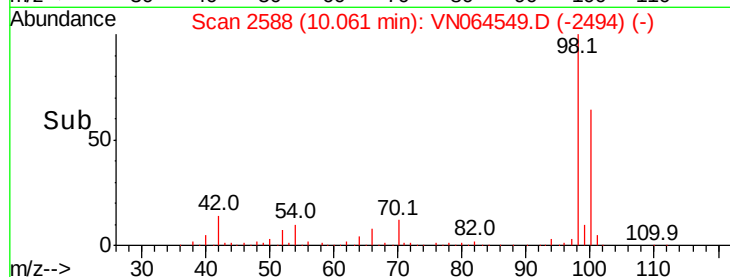
300000

200000

100000

0

Time-->



#59

2-Hexanone

Concen: 4.173 ug/l

RT: 10.73 min Scan# 2797

Delta R.T. 0.01 min

Lab File: VN064549.D

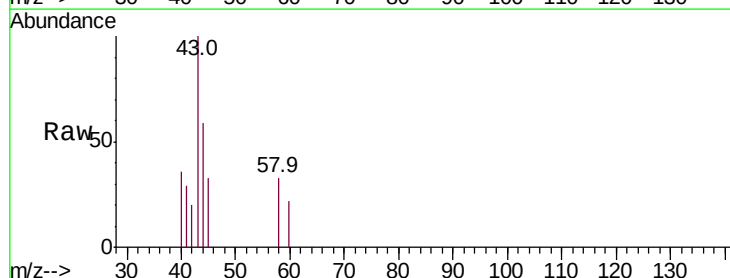
Acq: 11 Nov 2020 12:48

Tgt Ion: 43 Resp: 553

Ion Ratio Lower Upper

43 100

58 58.8 24.7 74.1



Abundance Ion 43.00 (42.70 to 43.70): VN064428.D (-2775) (-)

Ion 58.00 (57.70 to 58.70): VN064428.D (-2775) (-)

10.73

800

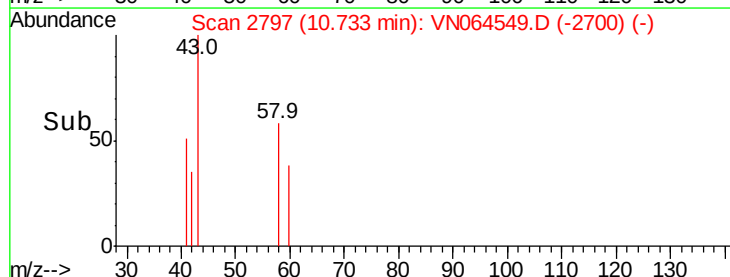
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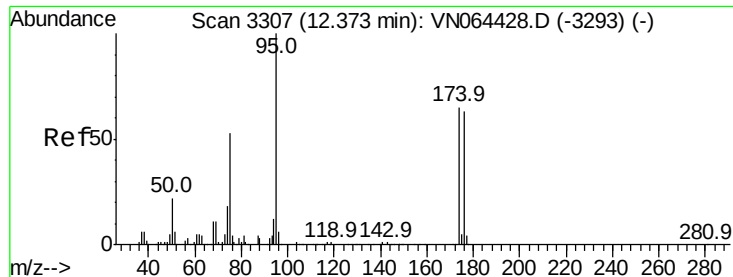
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Time-->

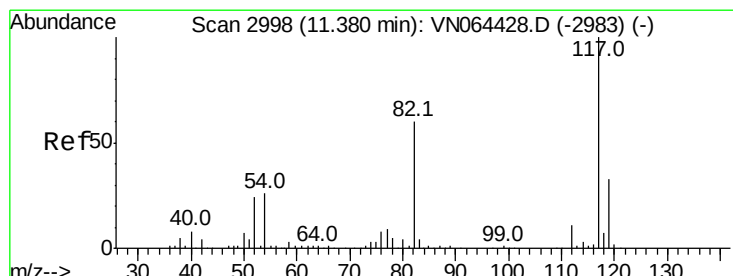
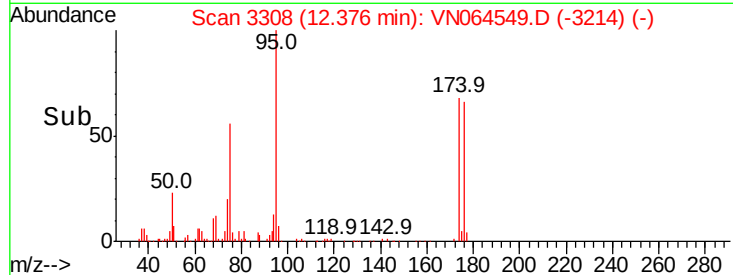
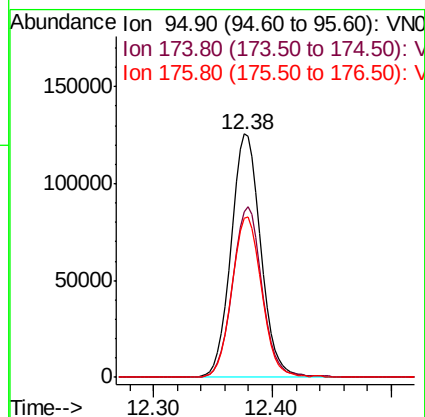
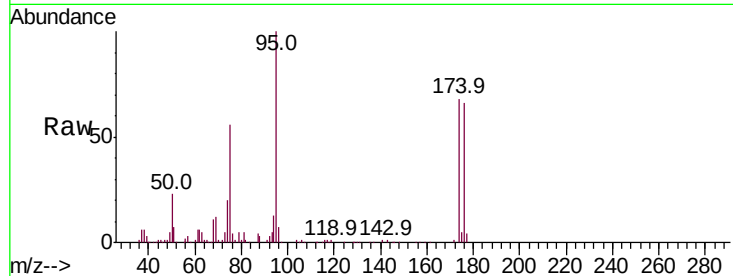




#62
4-Bromofluorobenzene
Concen: 47.556 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064549.D
Acq: 11 Nov 2020 12:48

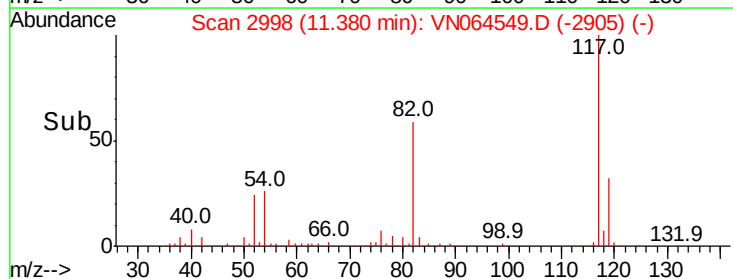
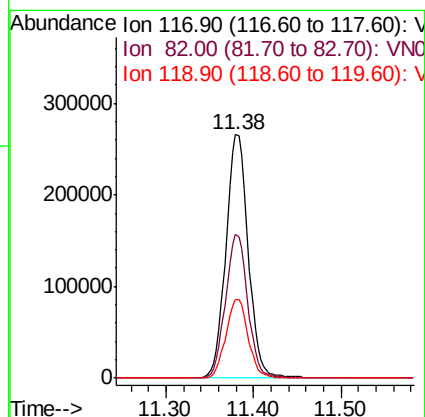
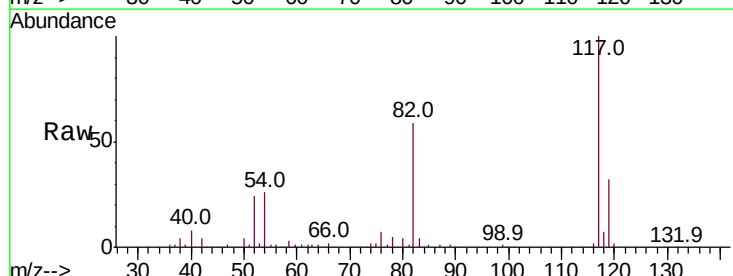
Instrument :
MSVOA_N
ClientSampleId :
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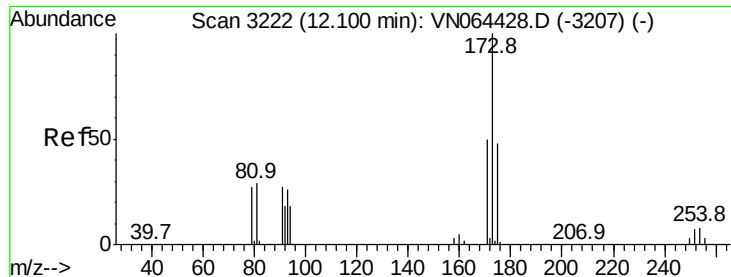
Tot Ion	Ratio	Lower	Upper
95	100		
174	69.6	0.0	132.6
176	66.0	0.0	129.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064549.D
Acq: 11 Nov 2020 12:48

Tgt Ion	Ratio	Lower	Upper
117	100		
82	59.0	48.1	72.1
119	32.2	26.2	39.4





#71

Bromoform

Concen: 1.345 ug/l

RT: 12.36 min Scan# 3303

Delta R.T. 0.26 min

Lab File: VN064549.D

Acq: 11 Nov 2020 12:48

Instrument :

MSVOA_N

ClientSampled :

TRIP-BLANK

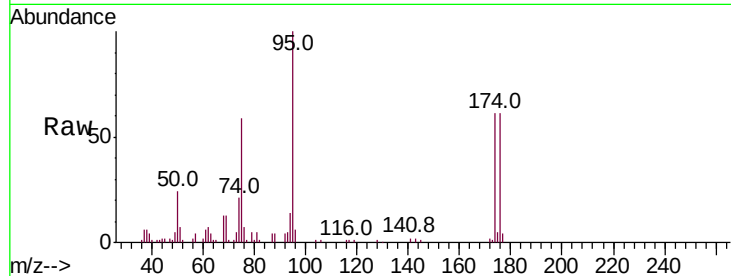
Tot Ion:173 Resp: 207

Ion Ratio Lower Upper

173 100

175 4424.6 23.7 71.1#

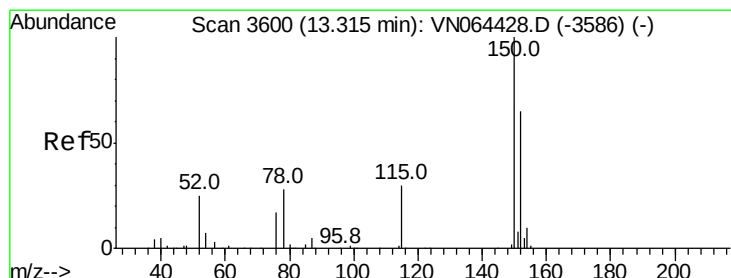
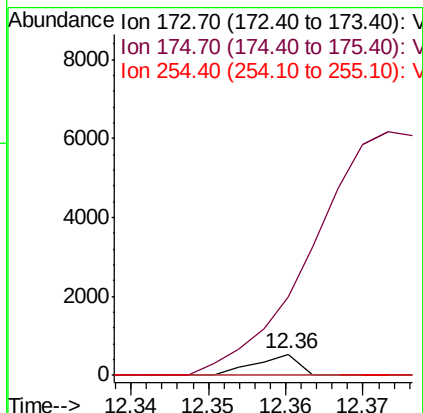
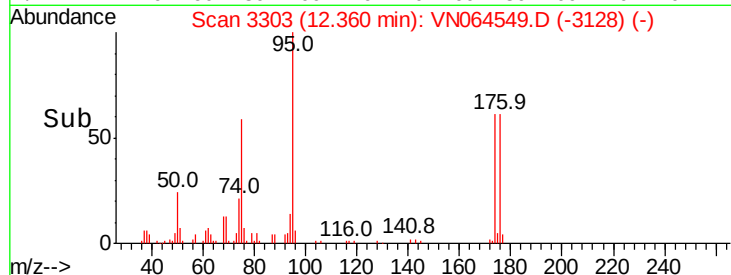
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN064549.D

Acq: 11 Nov 2020 12:48

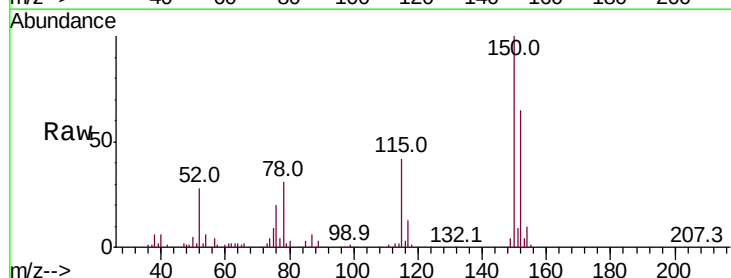
Tgt Ion:152 Resp: 168092

Ion Ratio Lower Upper

152 100

115 64.3 32.0 96.0

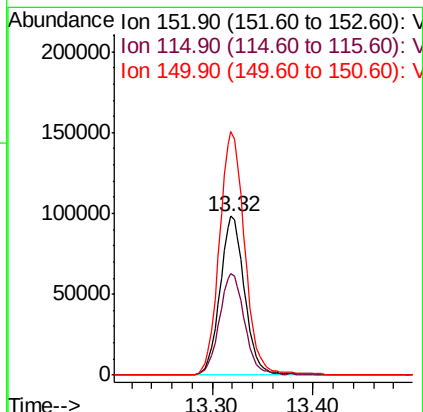
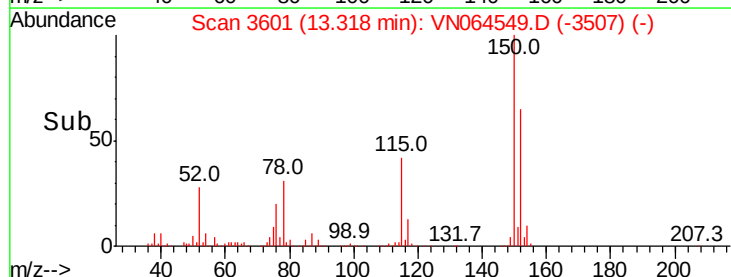
150 157.1 0.0 353.8

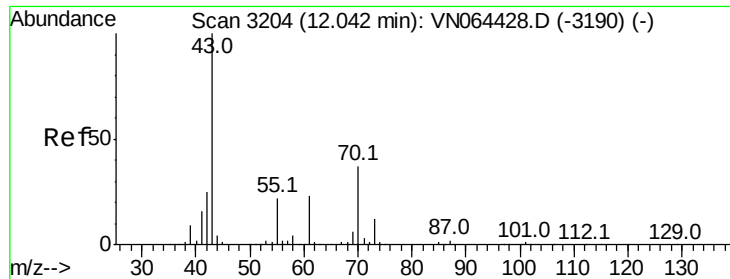


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 1.254 ug/l

RT: 12.02 min Scan# 3196

Delta R.T. -0.03 min

Lab File: VN064549.D

Acq: 11 Nov 2020 12:48

Instrument :

MSVOA_N

ClientSampled :

TRIP-BLANK

Tot Ion: 43 Resp: 263

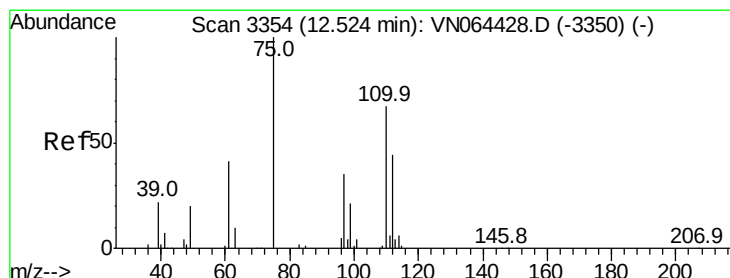
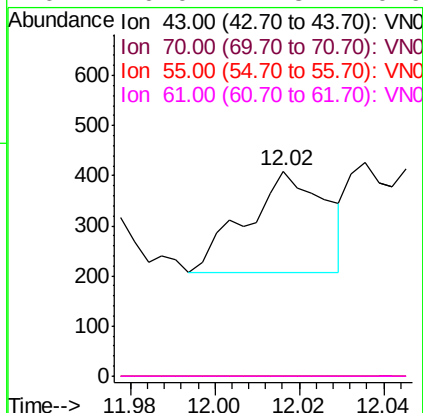
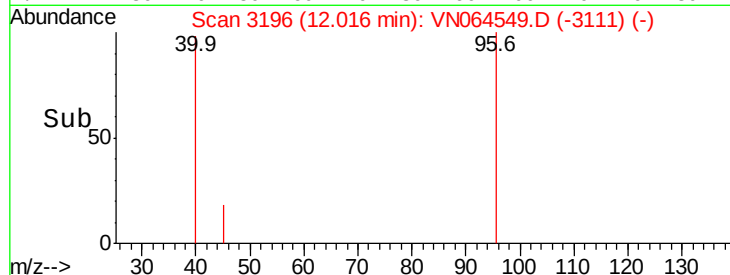
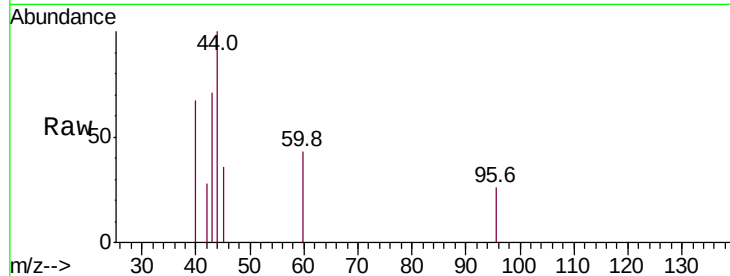
Ion Ratio Lower Upper

43 100

70 0.0 29.6 44.4#

55 0.0 18.4 27.6#

61 0.0 17.8 26.6#



#76

1,2,3-Trichloropropane

Concen: 30.141 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064549.D

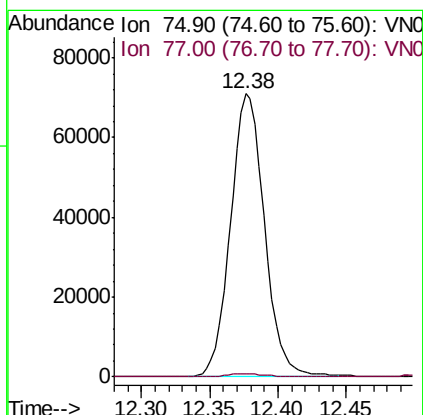
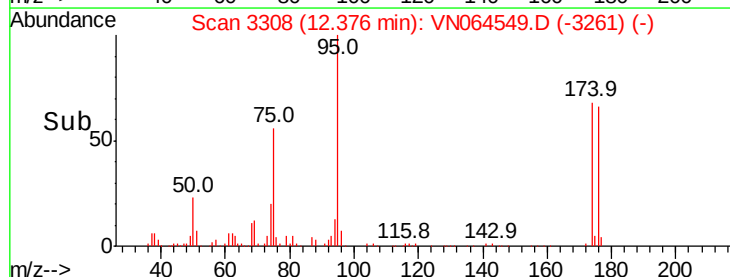
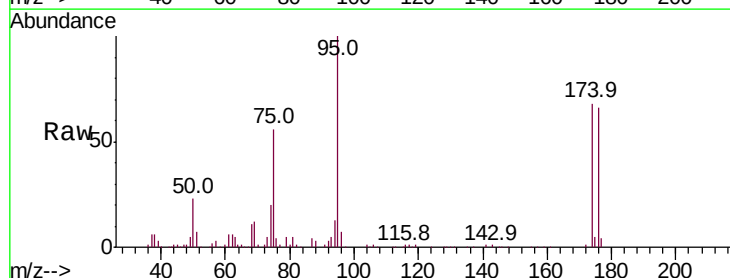
Acq: 11 Nov 2020 12:48

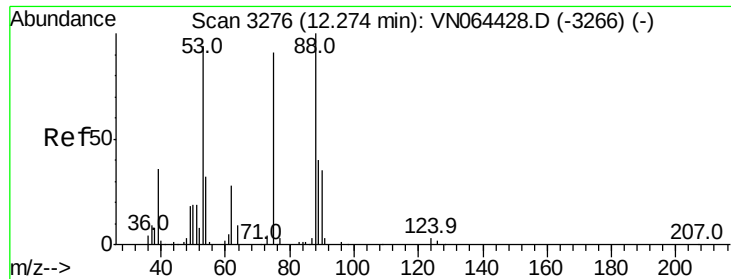
Tgt Ion: 75 Resp: 122758

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#

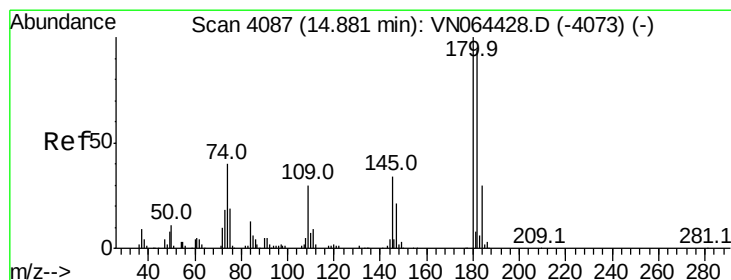
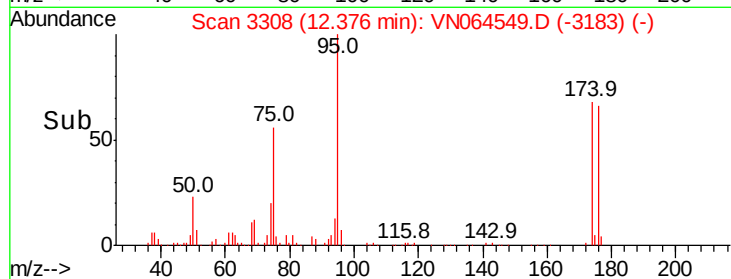
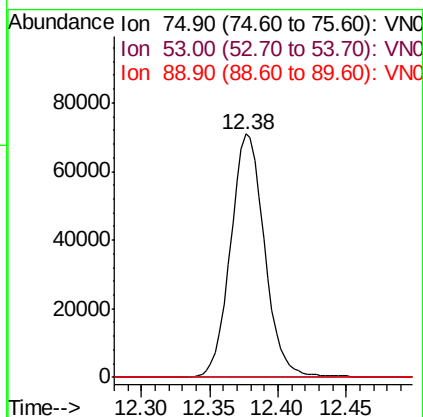
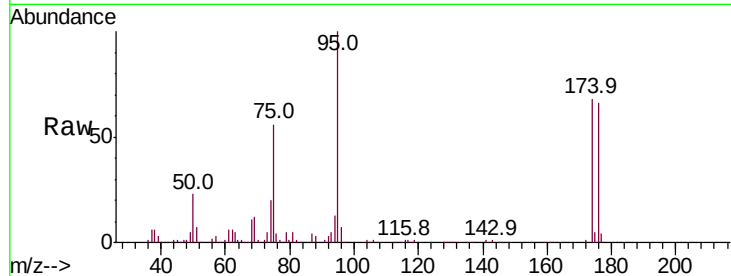




#81
trans-1,4-Dichloro-2-butene
Concen: 84.158 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.10 min
Lab File: VN064549.D
Acq: 11 Nov 2020 12:48

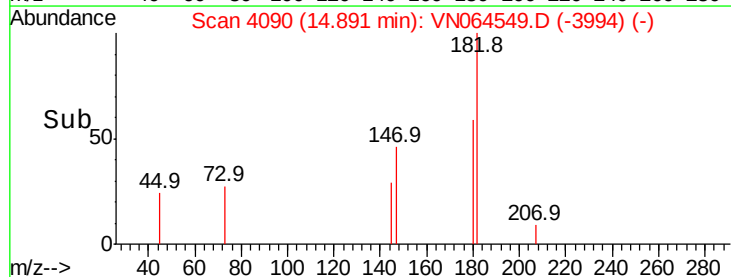
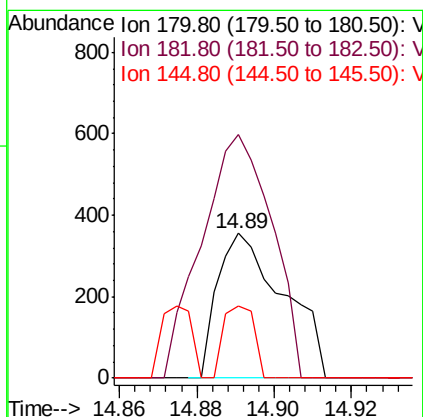
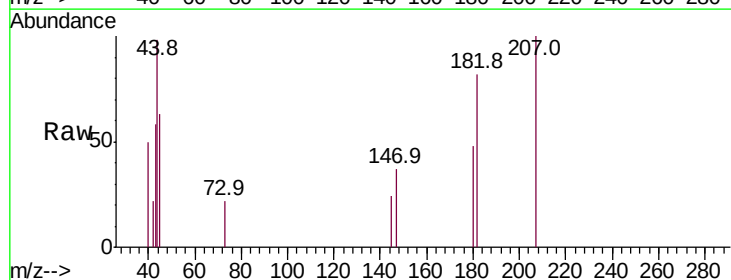
Instrument :
MSVOA_N
ClientSampled :
TRIP-BLANK

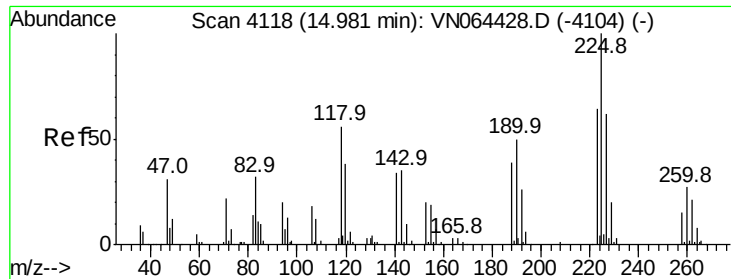
Tot Ion: 75 Resp: 122758
Ion Ratio Lower Upper
75 100
53 0.0 84.0 126.0#
89 0.0 36.3 54.5#



#93
1,2,4-Trichlorobenzene
Concen: 2.812 ug/l
RT: 14.89 min Scan# 4090
Delta R.T. 0.01 min
Lab File: VN064549.D
Acq: 11 Nov 2020 12:48

Tgt Ion: 180 Resp: 422
Ion Ratio Lower Upper
180 100
182 178.4 47.3 142.0#
145 22.7 16.7 50.1





#94

Hexachlorobutadiene

Concen: 0.650 ug/l

RT: 14.98 min Scan# 4119

Delta R.T. 0.00 min

Lab File: VN064549.D

Acq: 11 Nov 2020 12:48

Instrument :

MSVOA_N

ClientSampleId :

TRIP-BLANK

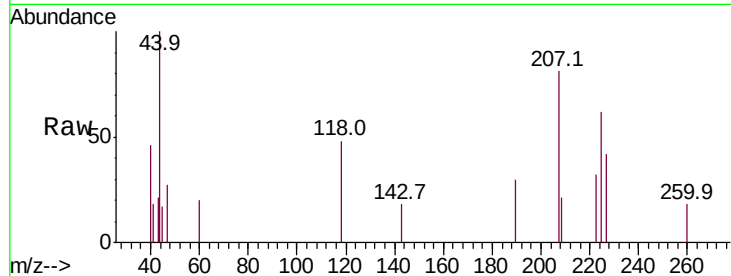
Tot Ion:225 Resp: 718

Ion Ratio Lower Upper

225 100

223 66.6 31.8 95.4

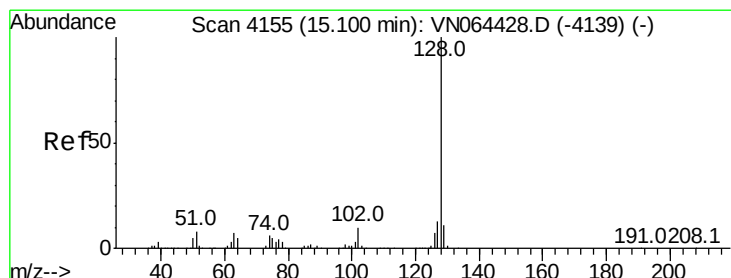
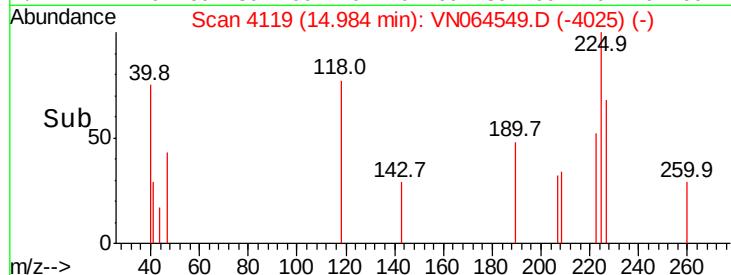
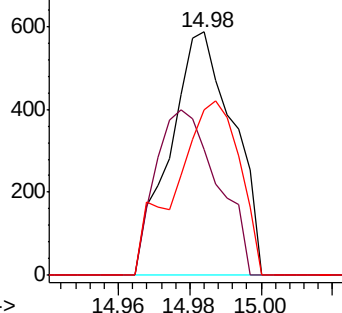
227 73.0 31.8 95.4



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: 3.892 ug/l

RT: 15.11 min Scan# 4158

Delta R.T. 0.01 min

Lab File: VN064549.D

Acq: 11 Nov 2020 12:48

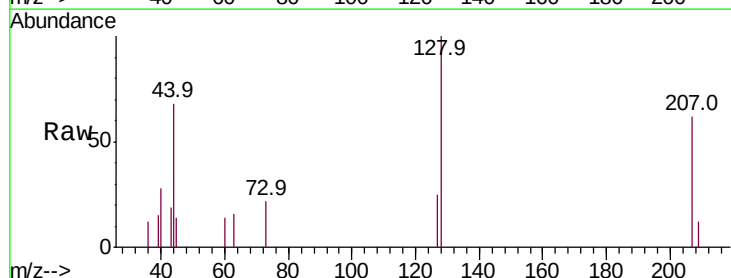
Tgt Ion:128 Resp: 2672

Ion Ratio Lower Upper

128 100

127 11.9 10.5 15.7

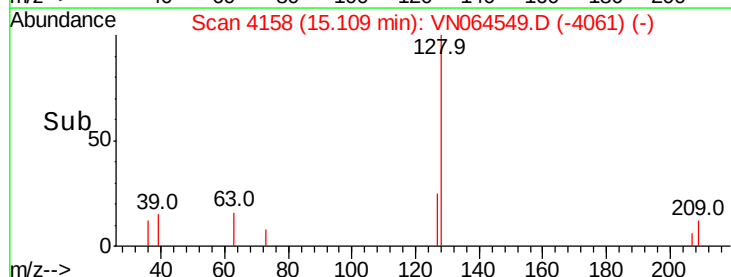
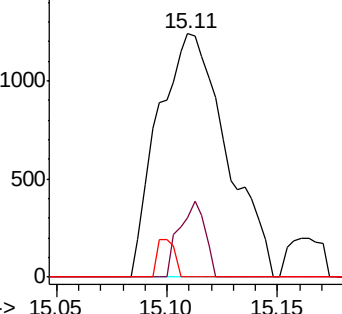
129 3.9 8.8 13.2#

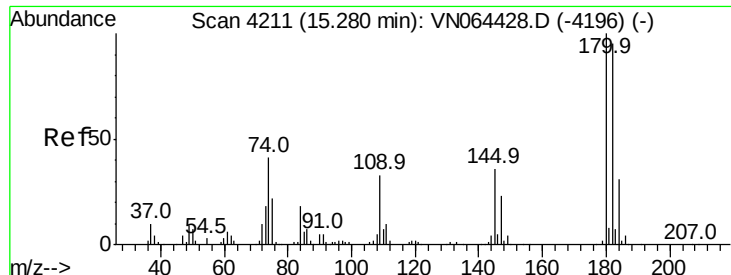


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 3.075 ug/l
 RT: 15.28 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN064549.D
 Acq: 11 Nov 2020 12:48

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP-BLANK

Tot Ion:180 Resp: 827
 Ion Ratio Lower Upper
 180 100
 182 101.1 47.7 143.1
 145 22.1 18.3 54.8

