

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111220\
 Data File : VN064599.D
 Acq On : 12 Nov 2020 23:42
 Operator : JC/MD
 Sample : VN1112WBL02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112WBL02

Quant Time: Nov 13 02:58:59 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	230767	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	492248	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	493152	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	179427	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	233514	58.09	ug/l	0.00
Spiked Amount			Recovery	=	116.18%	
35) Dibromofluoromethane	7.55	113	171781	51.25	ug/l	0.00
Spiked Amount			Recovery	=	102.50%	
50) Toluene-d8	10.06	98	616678	47.61	ug/l	0.00
Spiked Amount			Recovery	=	95.22%	
62) 4-Bromofluorobenzene	12.38	95	227881	46.52	ug/l	0.00
Spiked Amount			Recovery	=	93.04%	

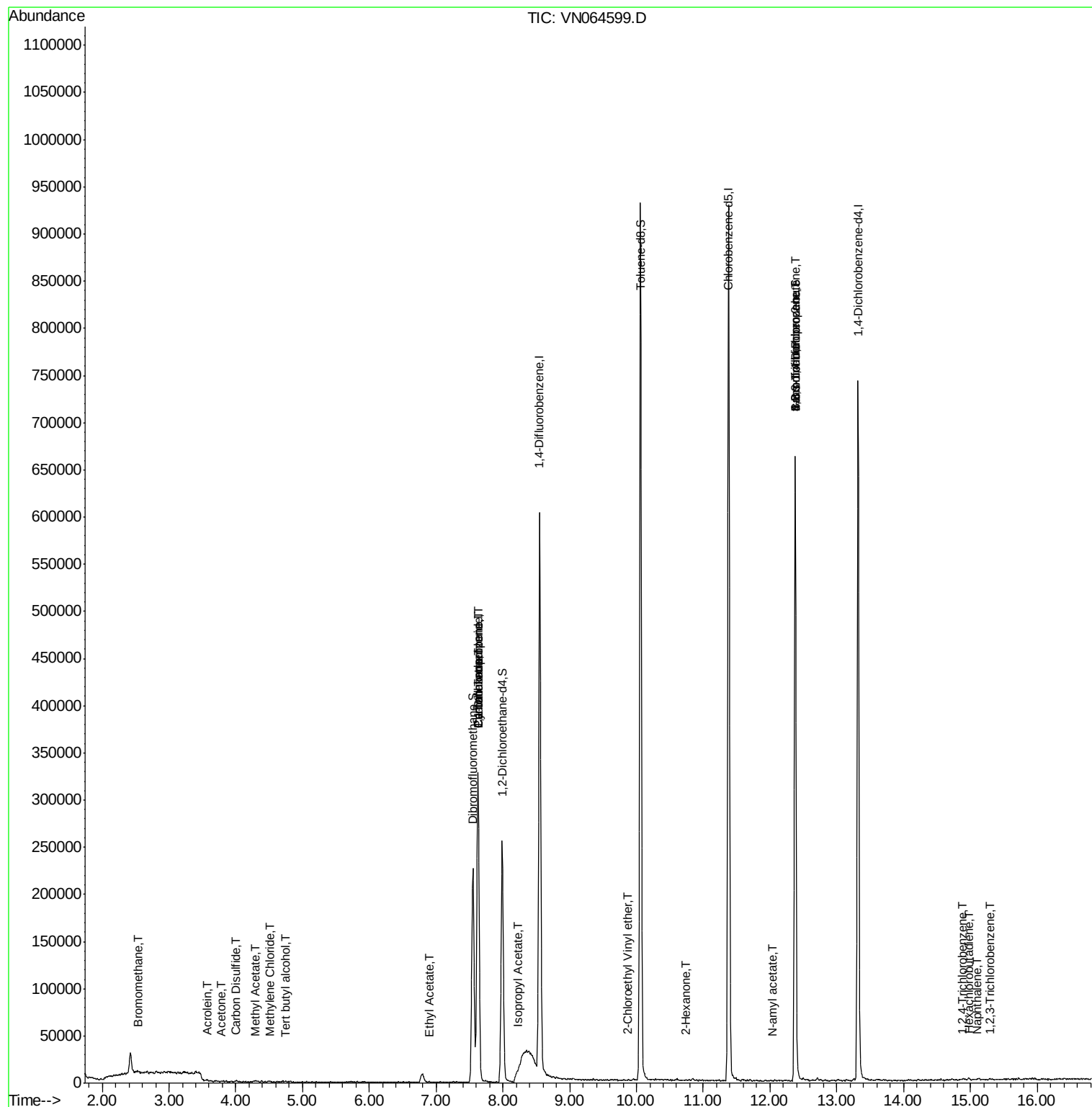
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.54	94	620	0.259	ug/l #	43
11) Tert butyl alcohol	4.74	59	106	0.239	ug/l #	71
13) Acrolein	3.58	56	140	0.509	ug/l #	72
16) Acetone	3.78	43	766	0.500	ug/l #	48
17) Carbon Disulfide	4.00	76	2085	0.283	ug/l #	74
18) Methyl Acetate	4.29	43	1028	0.342	ug/l #	74
20) Methylene Chloride	4.51	84	615	0.202	ug/l #	41
31) Cyclohexane	7.62	56	6764	1.384	ug/l #	10
36) 1,1-Dichloropropene	7.63	75	23907	4.597	ug/l #	51
37) Ethyl Acetate	6.89	43	62	0.774	ug/l #	71
38) Carbon Tetrachloride	7.63	117	26266	4.726	ug/l #	17
43) Isopropyl Acetate	8.21	43	7901	0.938	ug/l #	64
58) 2-Chloroethyl Vinyl ether	9.87	63	60	21.557	ug/l #	51
59) 2-Hexanone	10.74	43	1235	4.331	ug/l #	32
71) Bromoform	12.37	173	461	1.423	ug/l #	29
74) N-amyl acetate	12.04	43	39	1.220	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	129133	29.704	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	129133	82.936	ug/l #	8
93) 1,2,4-Trichlorobenzene	14.89	180	468	2.818	ug/l #	54
94) Hexachlorobutadiene	14.98	225	653	0.554	ug/l #	54
95) Naphthalene	15.11	128	1485	3.763	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.28	180	531	2.955	ug/l #	76

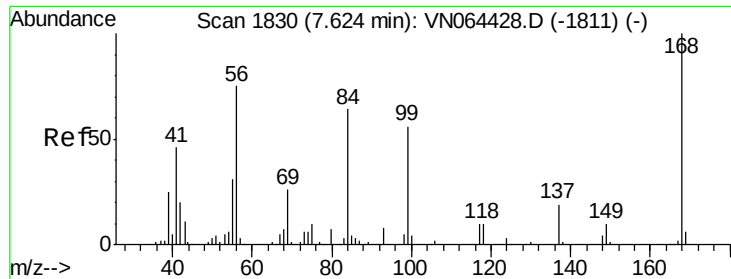
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 33 Sample Multiplier: 1

Instrument :
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Quant Time: Nov 13 02:58:59 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
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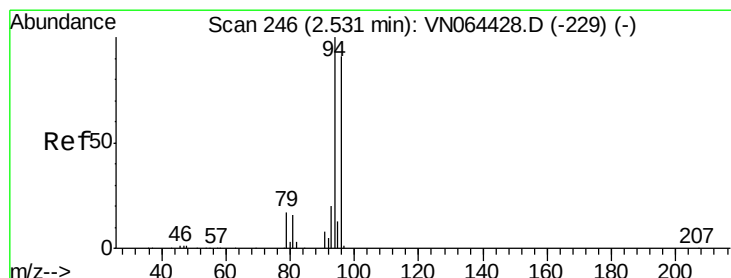
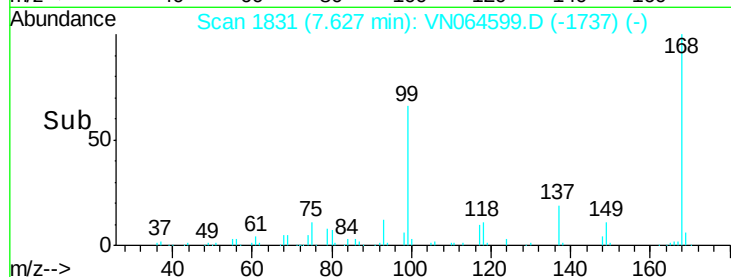
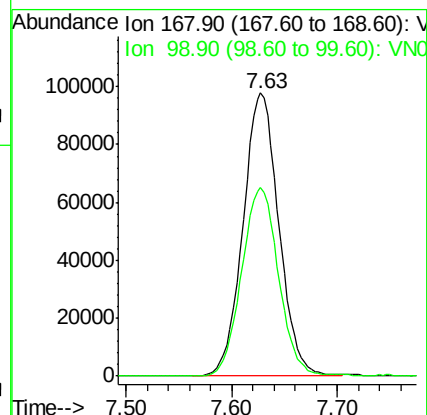
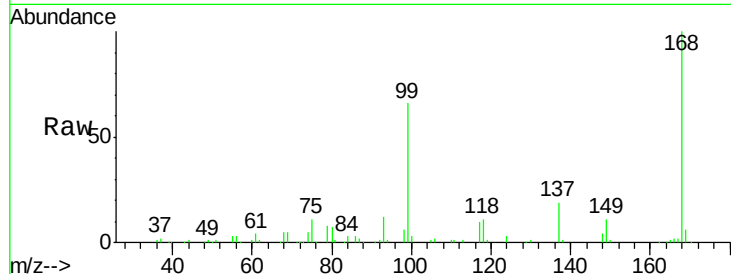




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. 0.00 min
Lab File: VN064599.D
Acq: 12 Nov 2020 23:42

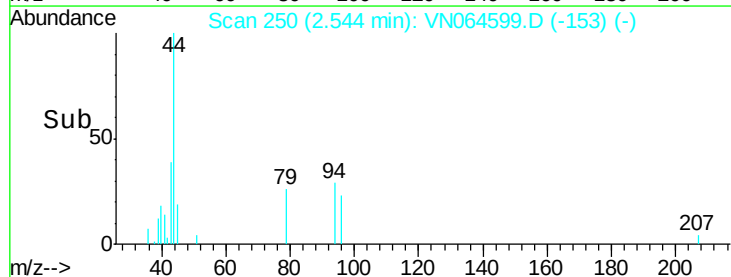
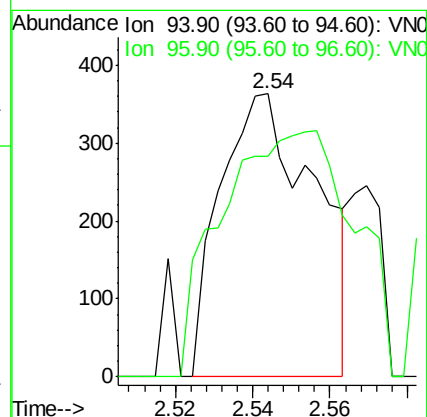
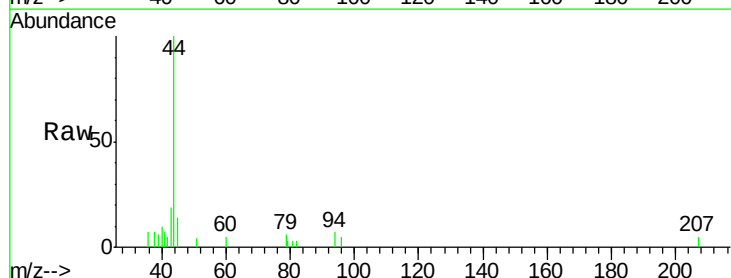
Instrument :
MSVOA_N
ClientSampleId :
VN1112WBL02

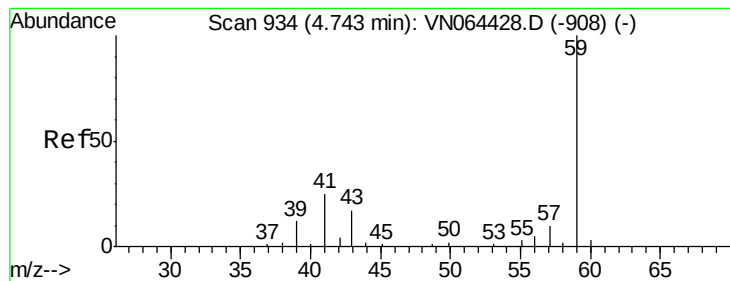
Tot Ion:168 Resp: 230767
Ion Ratio Lower Upper
168 100
99 66.5 53.4 80.2



#5
Bromomethane
Concen: 0.259 ug/l
RT: 2.54 min Scan# 250
Delta R.T. 0.01 min
Lab File: VN064599.D
Acq: 12 Nov 2020 23:42

Tgt Ion: 94 Resp: 620
Ion Ratio Lower Upper
94 100
96 36.9 73.1 109.7#





#11

Tert butyl alcohol

Concen: 0.239 ug/l

RT: 4.74 min Scan# 932

Delta R.T. -0.01 min

Lab File: VN064599.D

Acq: 12 Nov 2020 23:42

Instrument :

MSVOA_N

ClientSampleId :

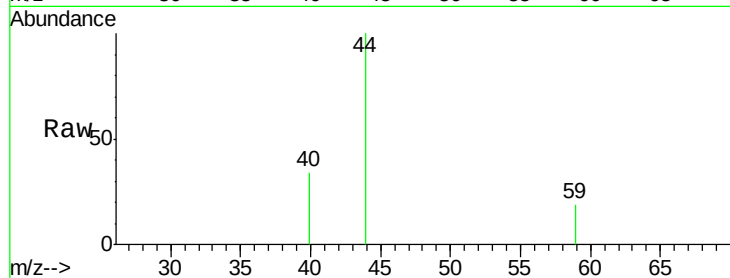
VN1112WBL02

Tot Ion: 59 Resp: 106

Ion Ratio Lower Upper

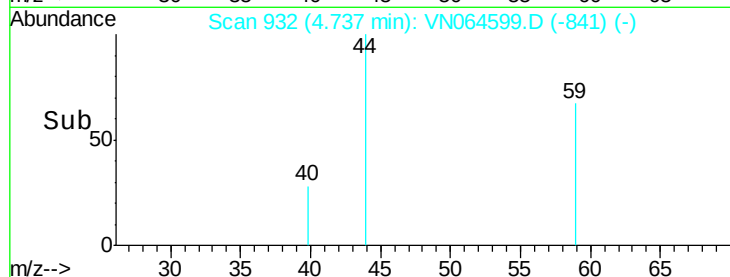
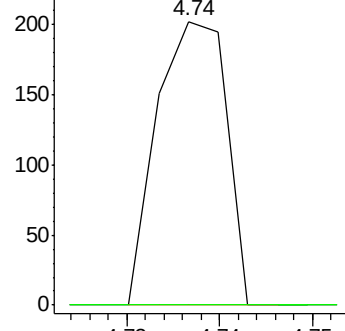
59 100

57 0.0 9.0 13.4#

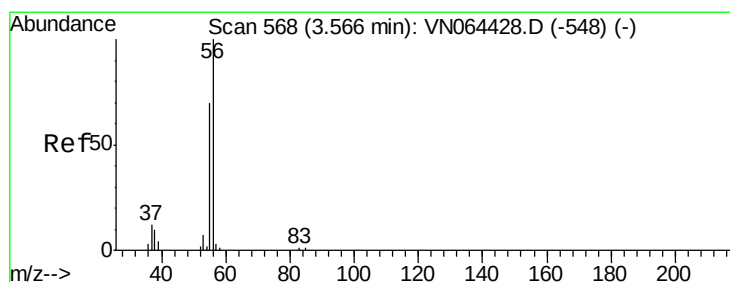


Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



Time-->



#13

Acrolein

Concen: 0.509 ug/l

RT: 3.58 min Scan# 572

Delta R.T. 0.01 min

Lab File: VN064599.D

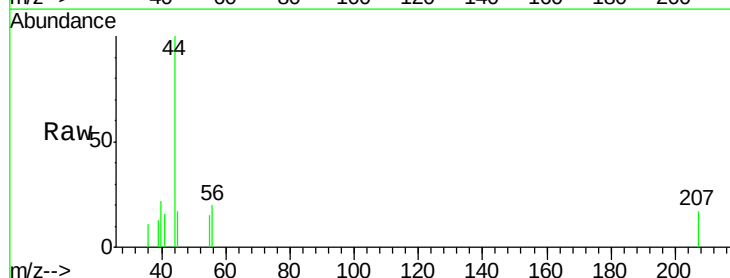
Acq: 12 Nov 2020 23:42

Tgt Ion: 56 Resp: 140

Ion Ratio Lower Upper

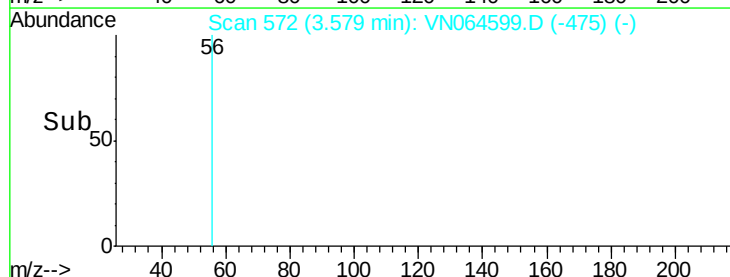
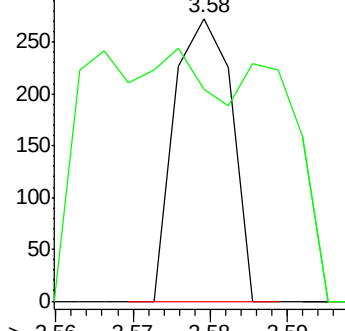
56 100

55 92.9 55.9 83.9#

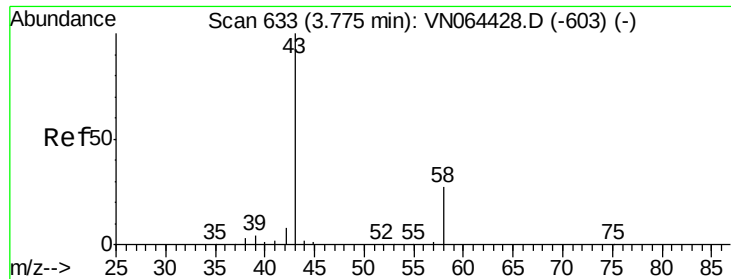


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



Time-->



#16

Acetone

Concen: 0.500 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN064599.D

Acq: 12 Nov 2020 23:42

Instrument :

MSVOA_N

ClientSampled :

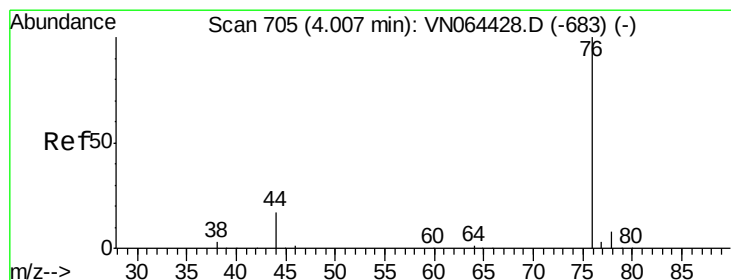
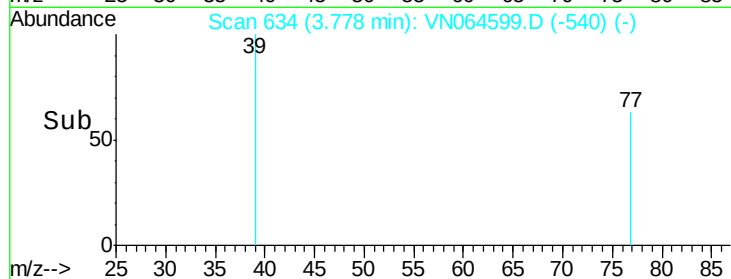
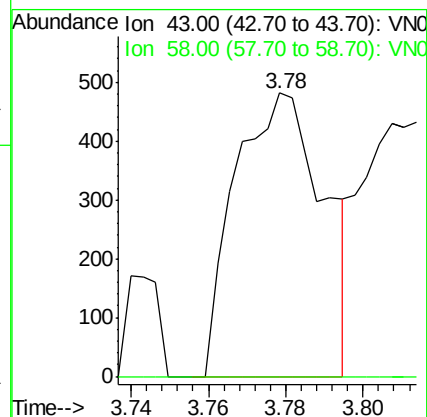
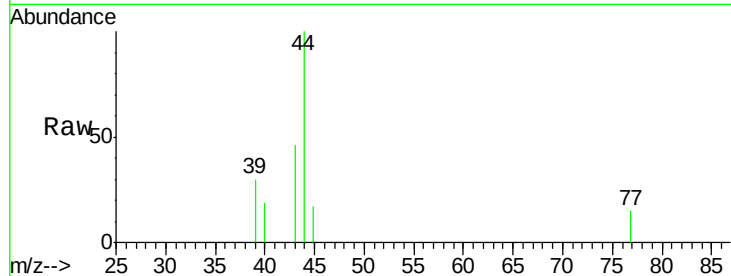
VN1112WBL02

Tot Ion: 43 Resp: 766

Ion Ratio Lower Upper

43 100

58 0.0 21.4 32.0#



#17

Carbon Disulfide

Concen: 0.283 ug/l

RT: 4.00 min Scan# 704

Delta R.T. -0.00 min

Lab File: VN064599.D

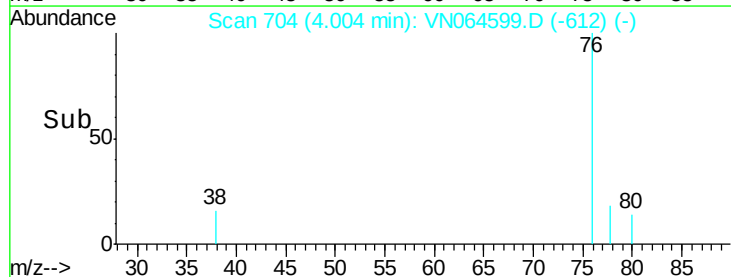
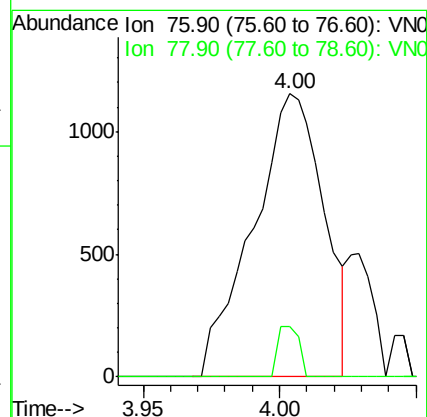
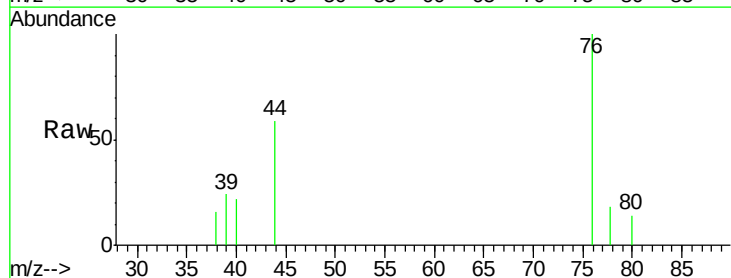
Acq: 12 Nov 2020 23:42

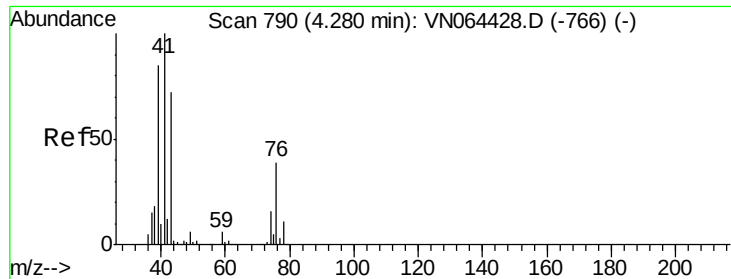
Tgt Ion: 76 Resp: 2085

Ion Ratio Lower Upper

76 100

78 17.7 6.8 10.2#

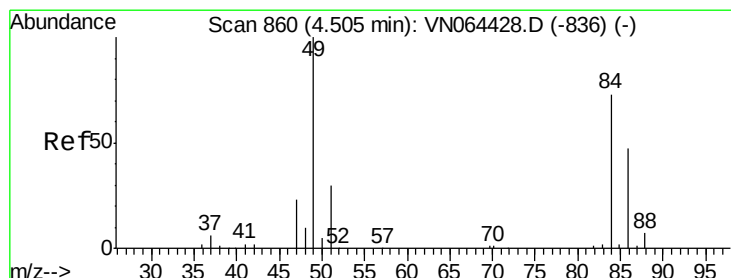
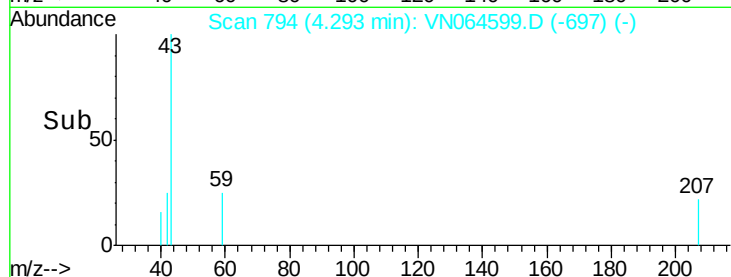
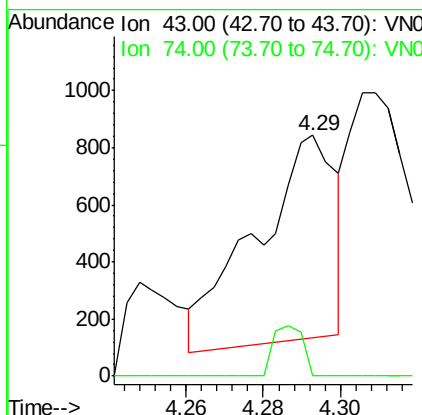
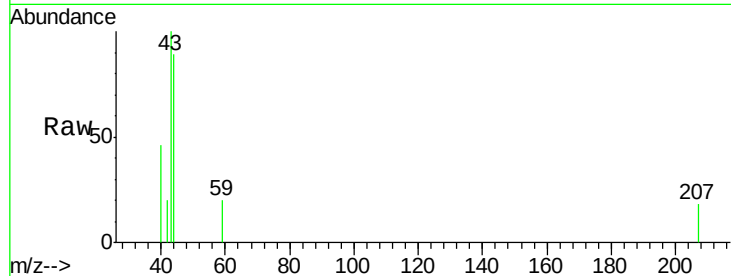




#18
Methyl Acetate
Concen: 0.342 ug/l
RT: 4.29 min Scan# 794
Delta R.T. 0.01 min
Lab File: VN064599.D
Acq: 12 Nov 2020 23:42

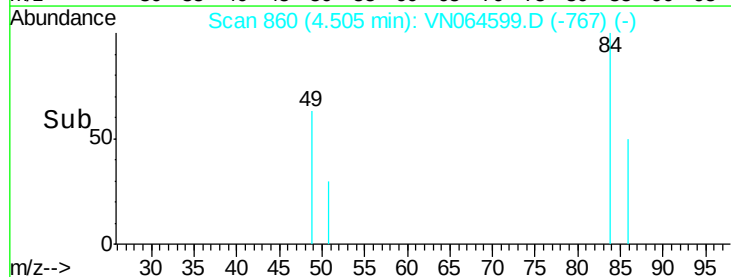
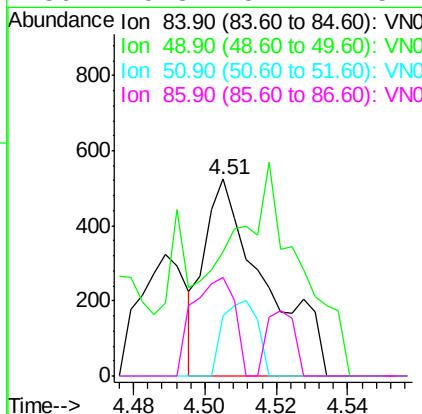
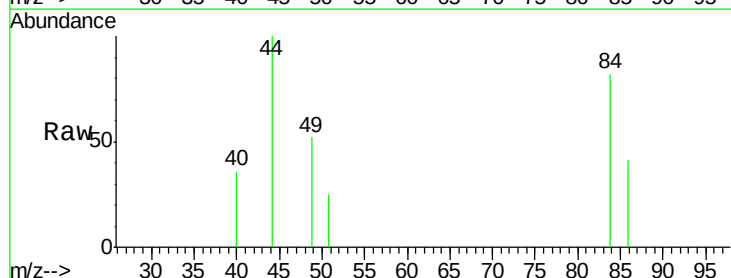
Instrument :
MSVOA_N
ClientSampled :
VN1112WBL02

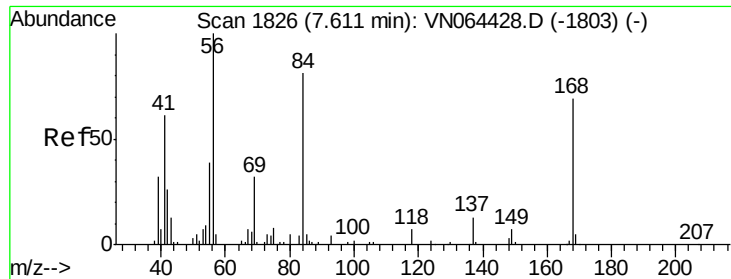
Tot Ion: 43 Resp: 1028
Ion Ratio Lower Upper
43 100
74 9.1 17.0 25.4#



#20
Methylene Chloride
Concen: 0.202 ug/l
RT: 4.51 min Scan# 860
Delta R.T. -0.00 min
Lab File: VN064599.D
Acq: 12 Nov 2020 23:42

Tgt Ion: 84 Resp: 615
Ion Ratio Lower Upper
84 100
49 30.0 110.1 165.1#
51 30.3 33.6 50.4#
86 49.8 52.1 78.1#

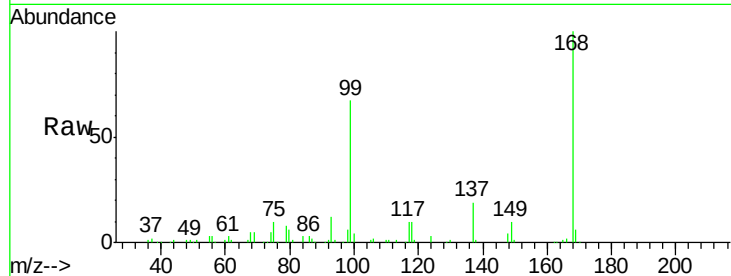




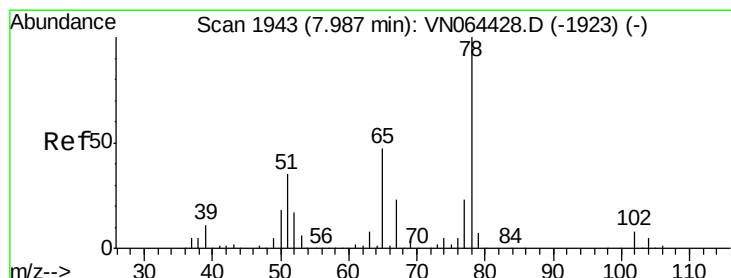
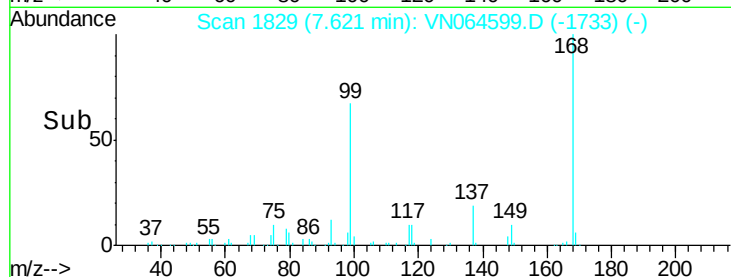
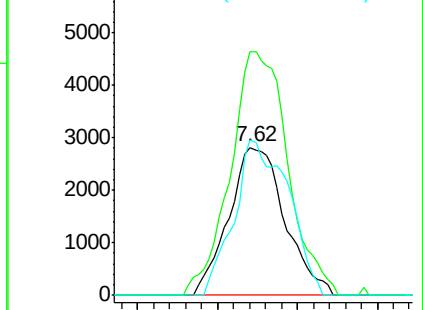
#31
Cyclohexane
Concen: 1.384 ug/l
RT: 7.62 min Scan# 1829
Delta R.T. 0.01 min
Lab File: VN064599.D
Acq: 12 Nov 2020 23:42

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBL02

Tot Ion: 56 Resp: 6764
Ion Ratio Lower Upper
56 100
69 164.9 25.6 38.4#
84 105.3 63.0 94.6#

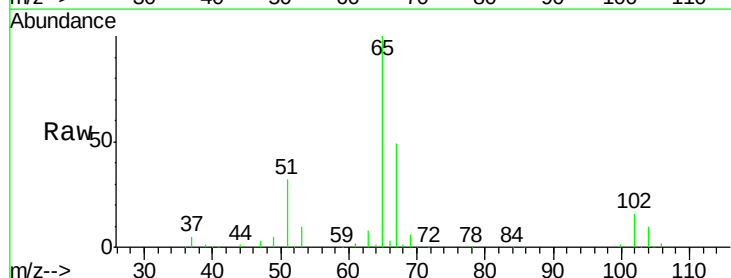


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

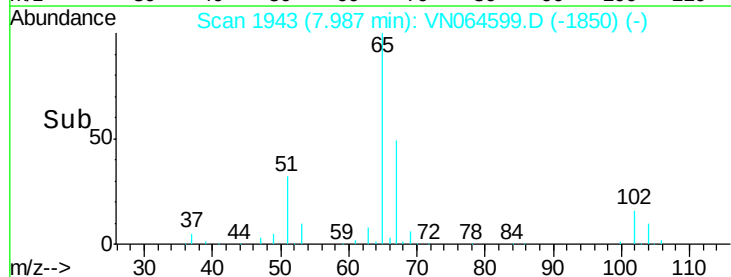
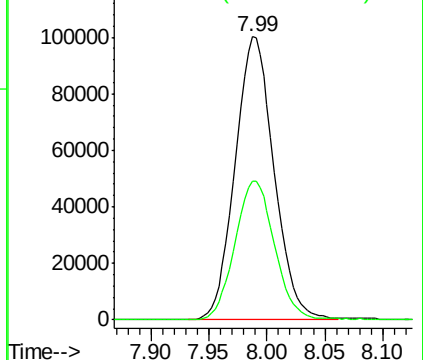


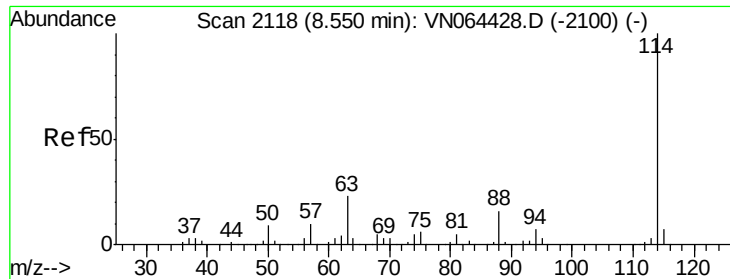
#33
1,2-Dichloroethane-d4
Concen: 58.094 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN064599.D
Acq: 12 Nov 2020 23:42

Tgt Ion: 65 Resp: 233514
Ion Ratio Lower Upper
65 100
67 49.6 0.0 101.6



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

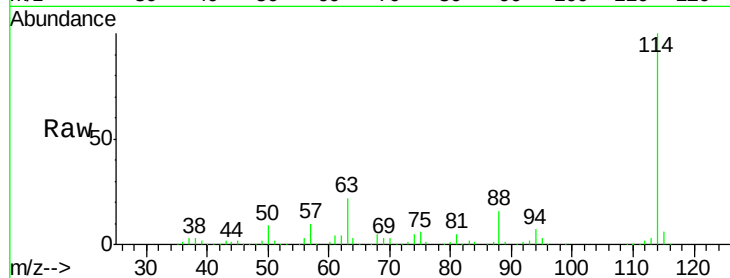




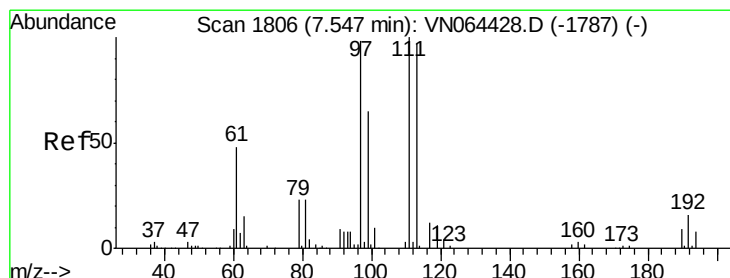
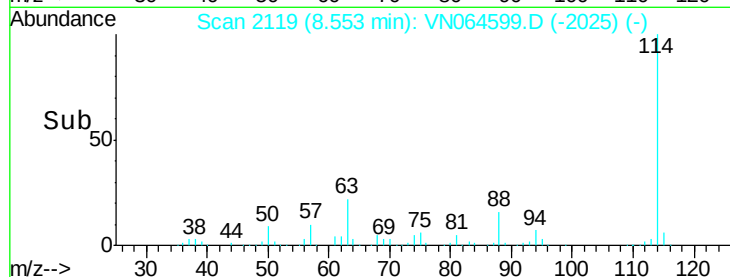
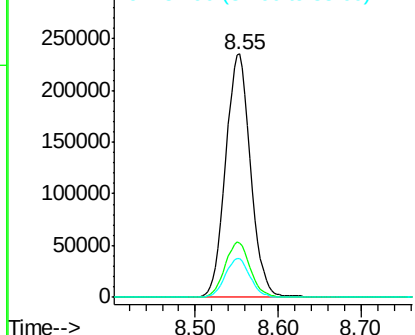
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN064599.D
 Acq: 12 Nov 2020 23:42

Instrument :
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Tot Ion:114 Resp: 492248
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 45.6
 88 16.0 0.0 32.8

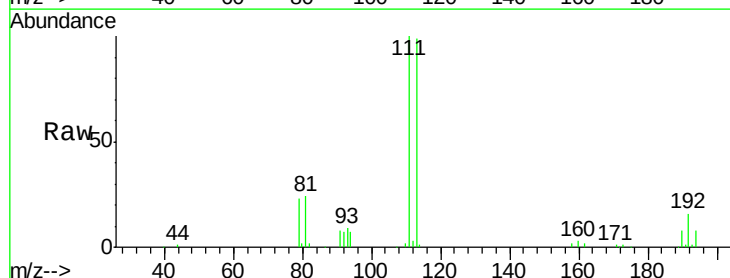


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

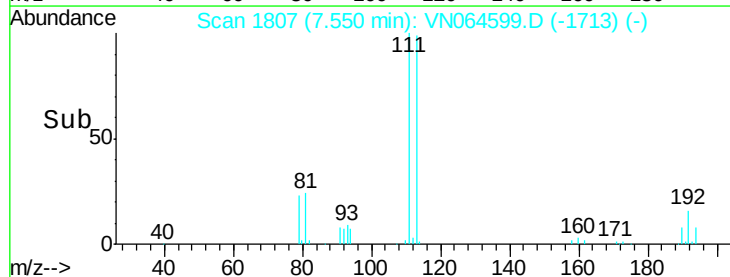
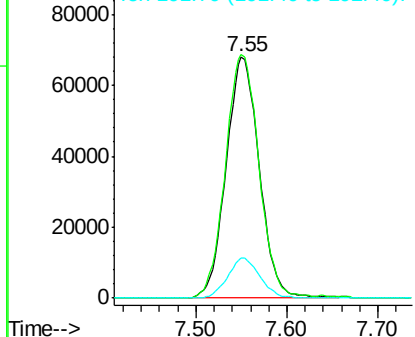


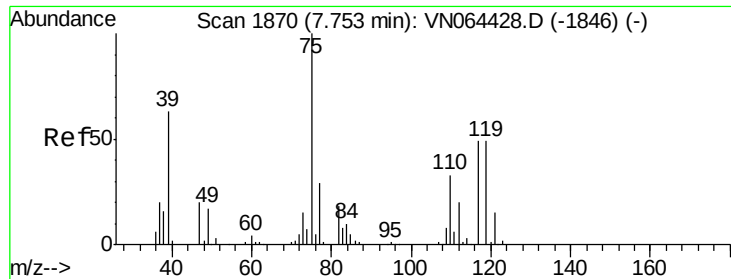
#35
 Dibromofluoromethane
 Concen: 51.254 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064599.D
 Acq: 12 Nov 2020 23:42

Tgt Ion:113 Resp: 171781
 Ion Ratio Lower Upper
 113 100
 111 102.4 81.1 121.7
 192 16.1 12.8 19.2



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

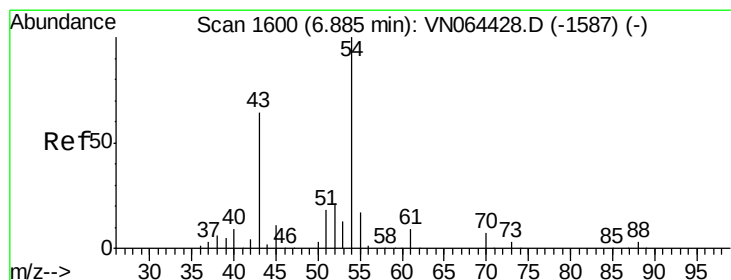
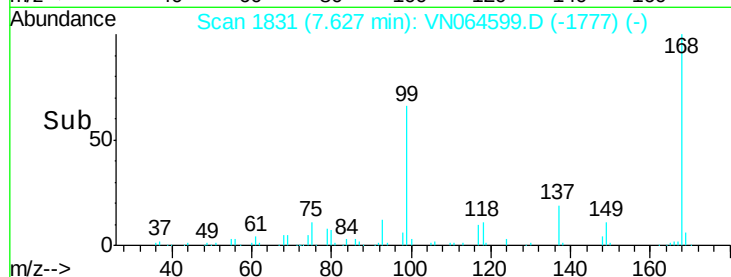
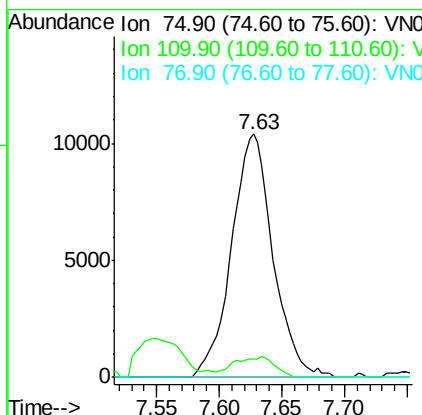
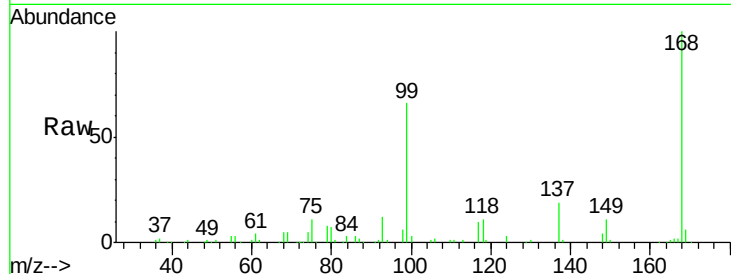




#36
 1,1-Dichloropropene
 Concen: 4.597 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN064599.D
 Acq: 12 Nov 2020 23:42

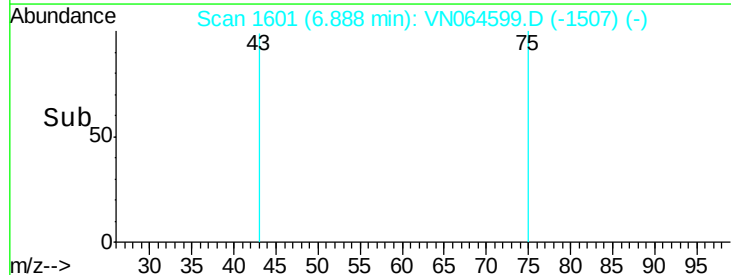
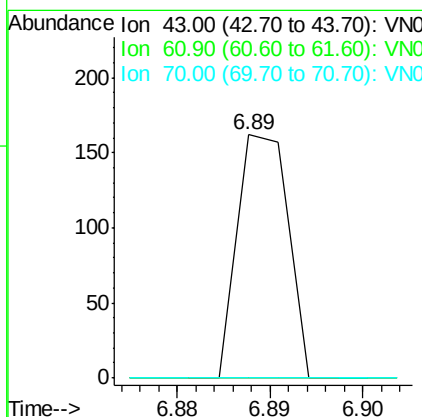
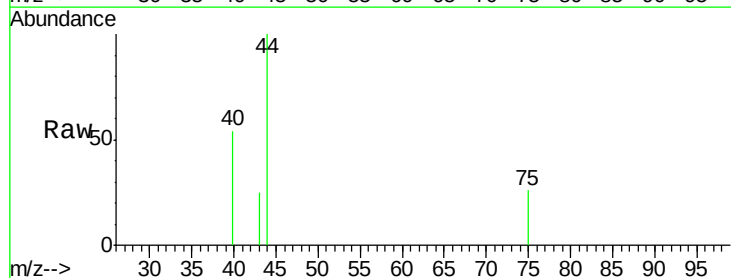
Instrument :
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 VN1112WBL02

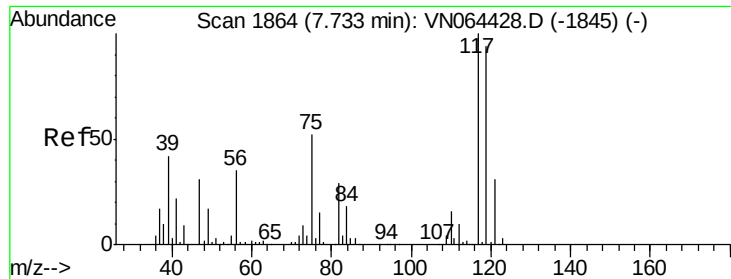
Tot Ion: 75 Resp: 23907
 Ion Ratio Lower Upper
 75 100
 110 8.4 16.0 48.0#
 77 0.0 24.0 36.0#



#37
 Ethyl Acetate
 Concen: 0.774 ug/l
 RT: 6.89 min Scan# 1601
 Delta R.T. 0.00 min
 Lab File: VN064599.D
 Acq: 12 Nov 2020 23:42

Tgt Ion: 43 Resp: 62
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.0 15.0#
 70 0.0 7.1 10.7#

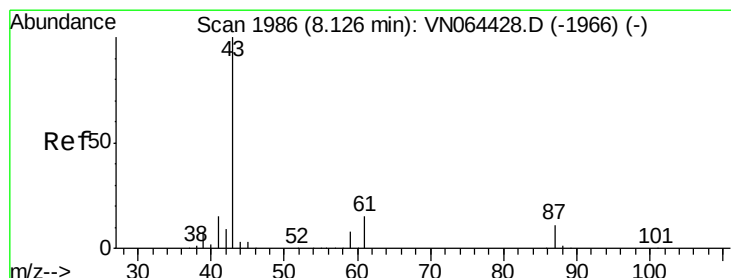
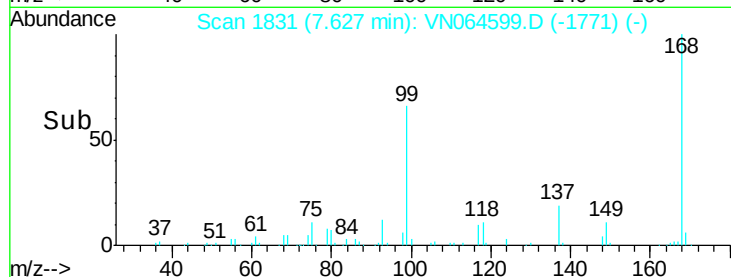
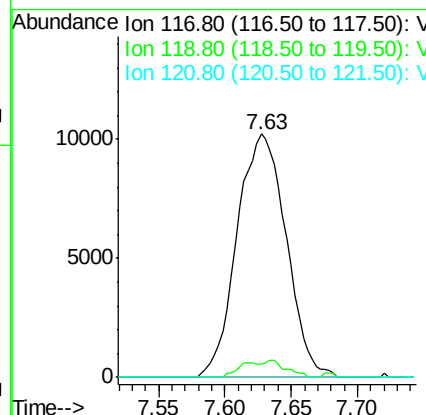
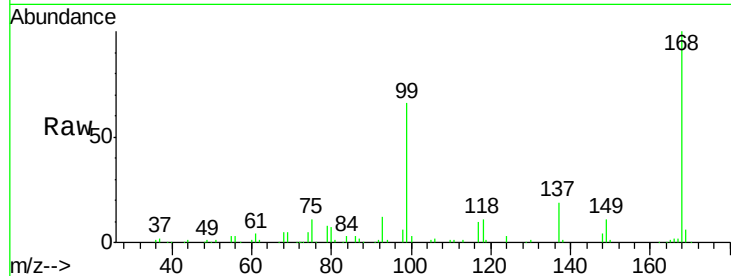




#38
 Carbon Tetrachloride
 Concen: 4.726 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.11 min
 Lab File: VN064599.D
 Acq: 12 Nov 2020 23:42

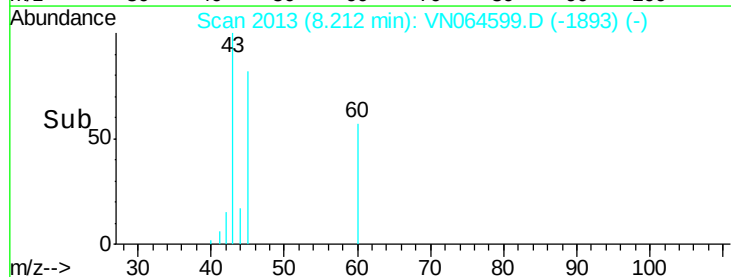
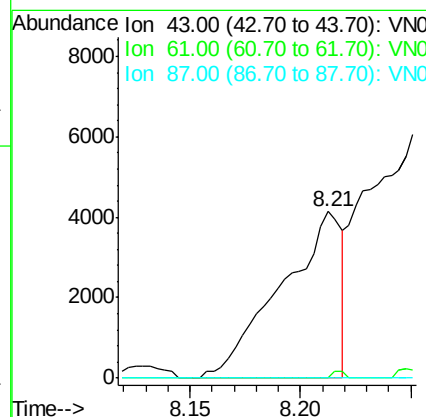
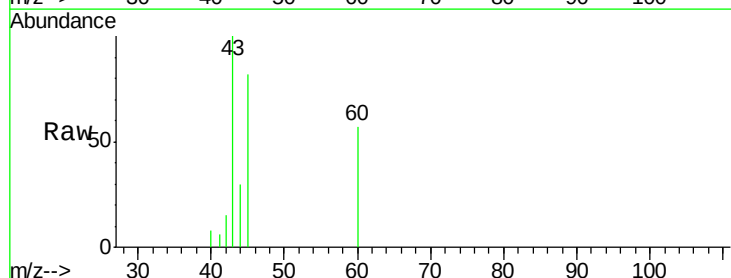
Instrument :
 MSVOA_N
 ClientSampled :
 VN1112WBL02

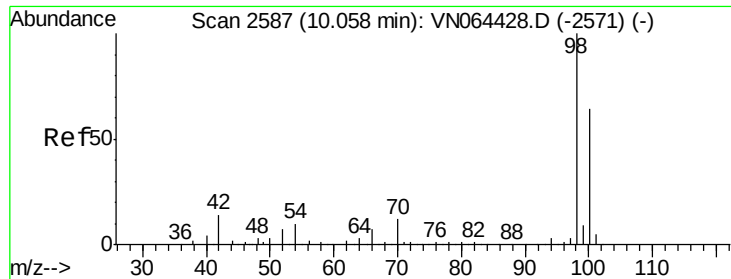
Tot Ion:117 Resp: 26266
 Ion Ratio Lower Upper
 117 100
 119 5.5 75.5 113.3#
 121 0.0 24.4 36.6#



#43
 Isopropyl Acetate
 Concen: 0.938 ug/l
 RT: 8.21 min Scan# 2013
 Delta R.T. 0.09 min
 Lab File: VN064599.D
 Acq: 12 Nov 2020 23:42

Tgt Ion: 43 Resp: 7901
 Ion Ratio Lower Upper
 43 100
 61 0.0 14.0 21.0#
 87 0.0 9.1 13.7#





#50

Toluene-d8

Concen: 47.606 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN064599.D

Acq: 12 Nov 2020 23:42

Instrument :

MSVOA_N

ClientSampled :

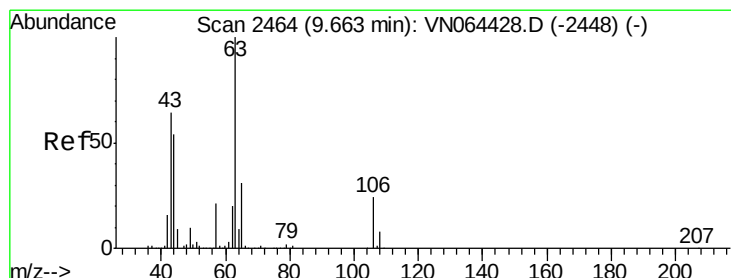
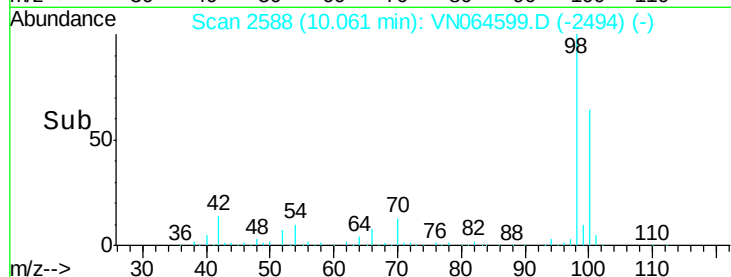
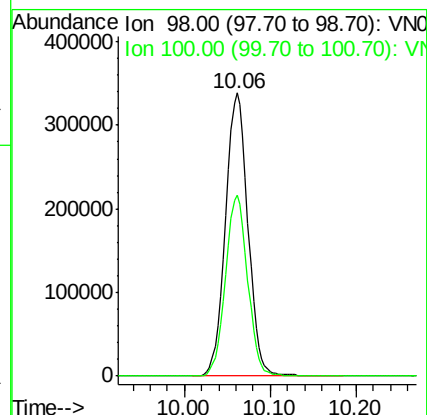
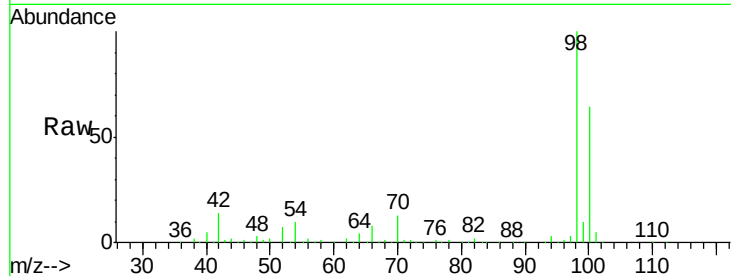
VN1112WBL02

Tot Ion: 98 Resp: 616678

Ion Ratio Lower Upper

98 100

100 62.7 50.7 76.1



#58

2-Chloroethyl Vinyl ether

Concen: 21.557 ug/l

RT: 9.87 min Scan# 2528

Delta R.T. 0.21 min

Lab File: VN064599.D

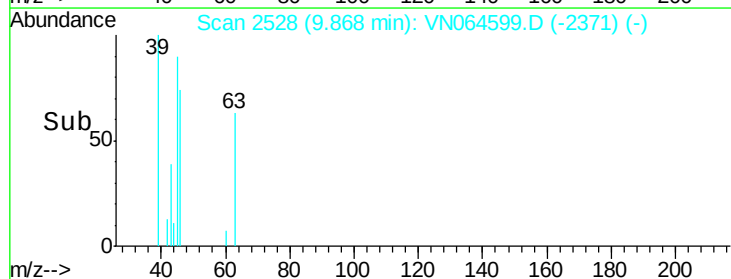
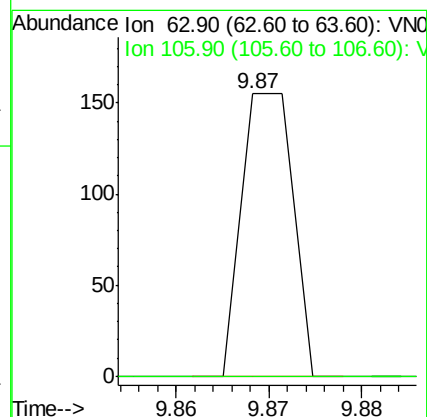
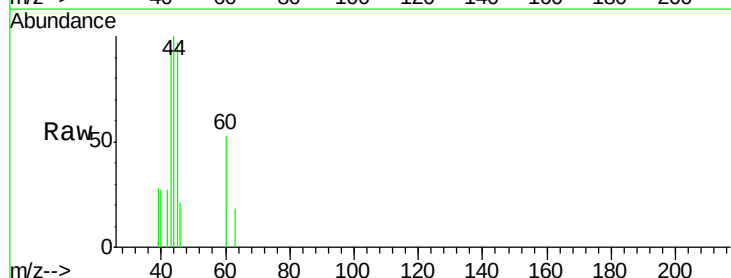
Acq: 12 Nov 2020 23:42

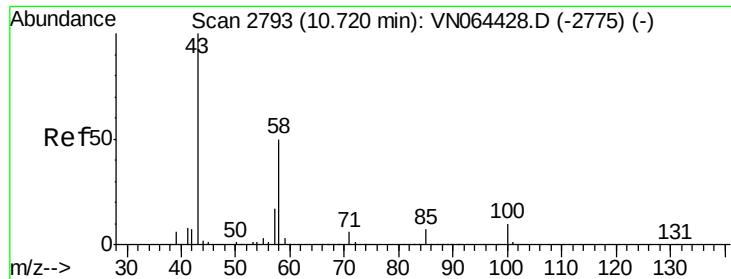
Tgt Ion: 63 Resp: 60

Ion Ratio Lower Upper

63 100

106 0.0 19.5 29.3#

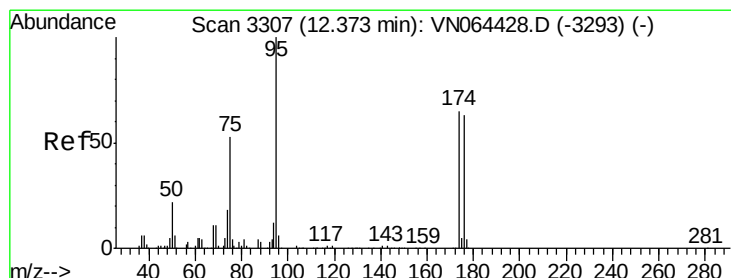
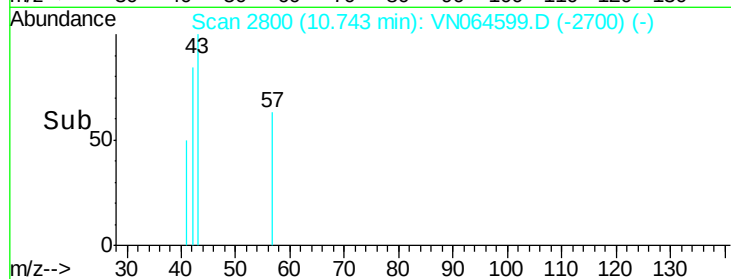
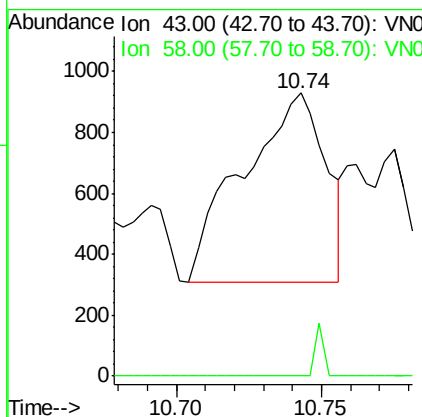
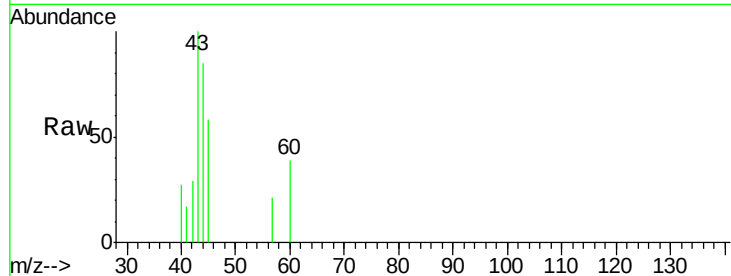




#59
2-Hexanone
Concen: 4.331 ug/l
RT: 10.74 min Scan# 2800
Delta R.T. 0.02 min
Lab File: VN064599.D
Acq: 12 Nov 2020 23:42

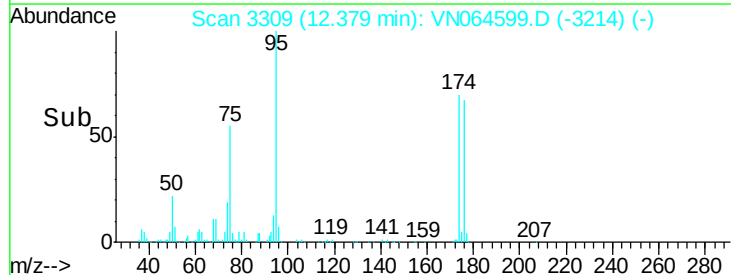
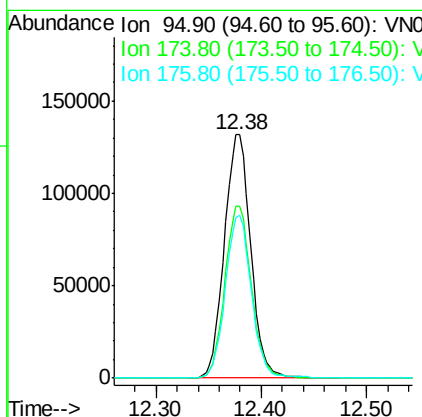
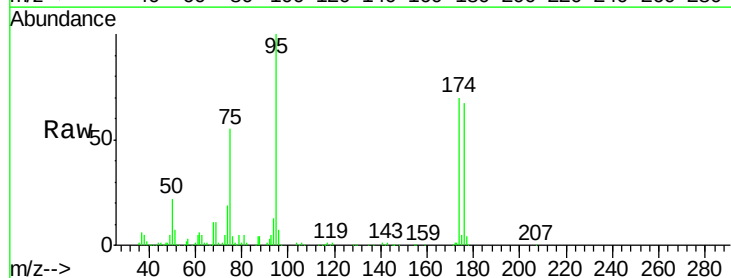
Instrument :
MSVOA_N
ClientSampled :
VN1112WBL02

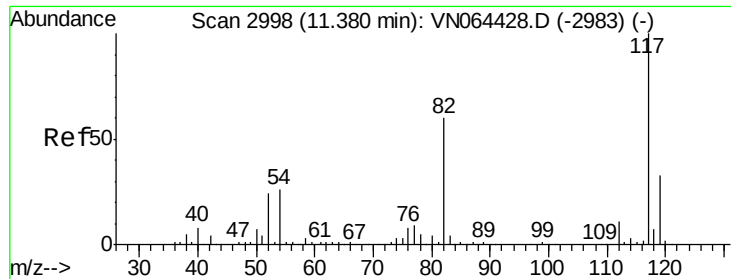
Tot Ion: 43 Resp: 1235
Ion Ratio Lower Upper
43 100
58 2.8 24.7 74.1#



#62
4-Bromofluorobenzene
Concen: 46.517 ug/l
RT: 12.38 min Scan# 3309
Delta R.T. 0.01 min
Lab File: VN064599.D
Acq: 12 Nov 2020 23:42

Tgt Ion: 95 Resp: 227881
Ion Ratio Lower Upper
95 100
174 71.0 0.0 132.6
176 66.0 0.0 129.2

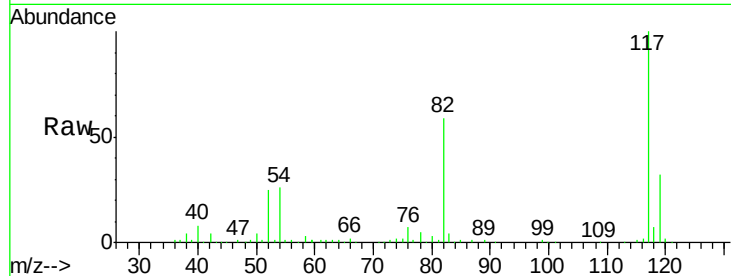




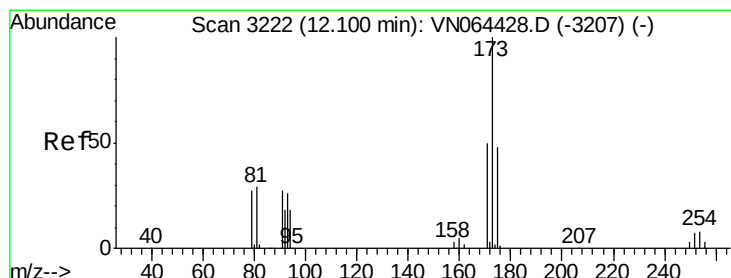
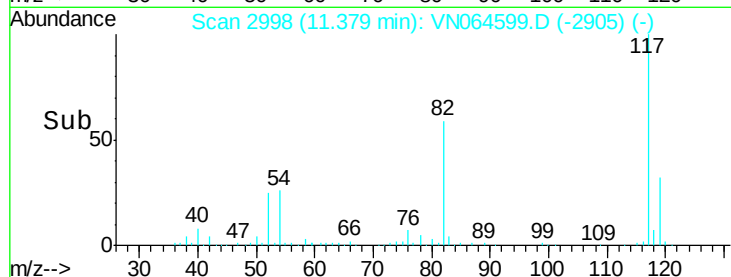
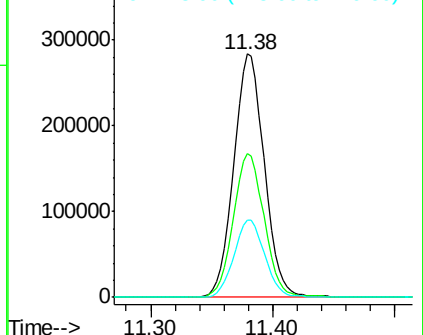
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064599.D
Acq: 12 Nov 2020 23:42

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBL02

Tot Ion:117 Resp: 493152
Ion Ratio Lower Upper
117 100
82 59.1 48.1 72.1
119 31.8 26.2 39.4

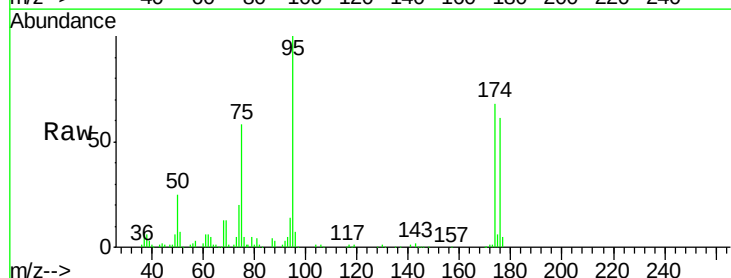


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

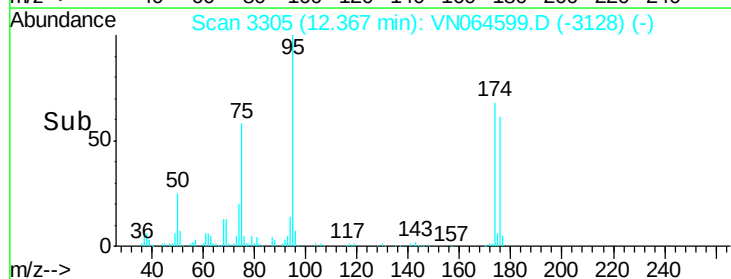
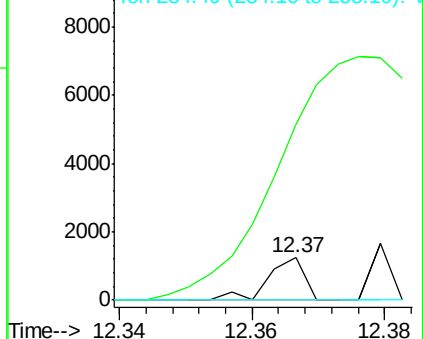


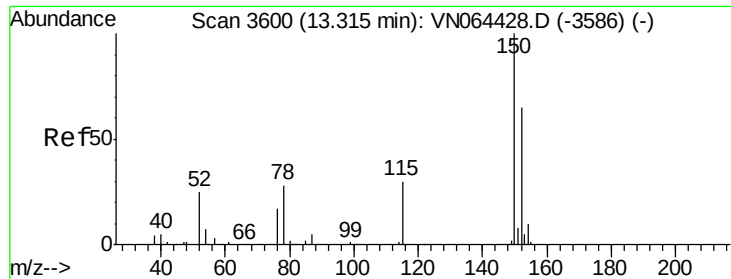
#71
Bromoform
Concen: 1.423 ug/l
RT: 12.37 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN064599.D
Acq: 12 Nov 2020 23:42

Tgt Ion:173 Resp: 461
Ion Ratio Lower Upper
173 100
175 0.0 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: VN064599.D

Acq: 12 Nov 2020 23:42

Instrument :

MSVOA_N

ClientSampled :

VN1112WBL02

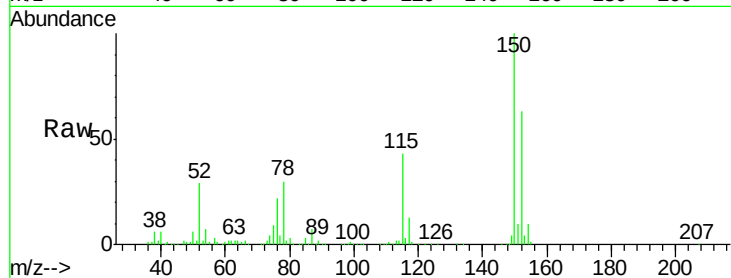
Tot Ion:152 Resp: 179427

Ion Ratio Lower Upper

152 100

115 65.8 32.0 96.0

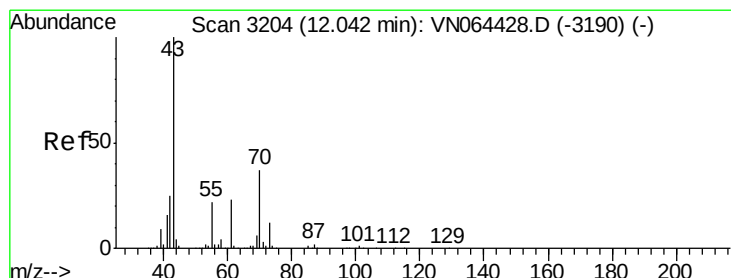
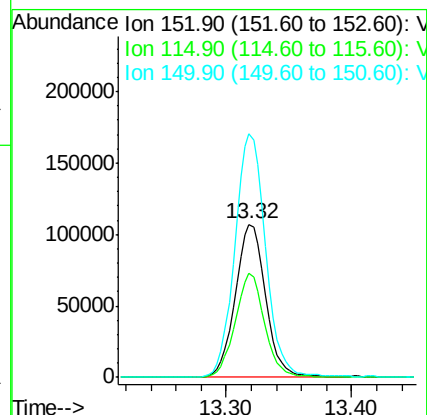
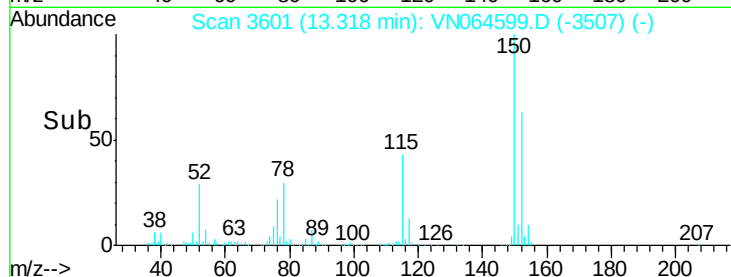
150 162.1 0.0 353.8



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-amil acetate

Concen: 1.220 ug/l

RT: 12.04 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VN064599.D

Acq: 12 Nov 2020 23:42

Tgt Ion: 43 Resp: 39

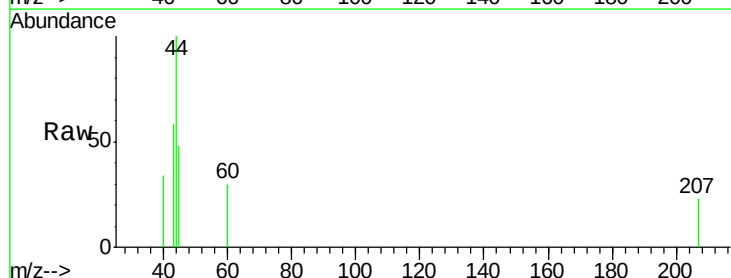
Ion Ratio Lower Upper

43 100

70 0.0 29.6 44.4#

55 0.0 18.4 27.6#

61 0.0 17.8 26.6#

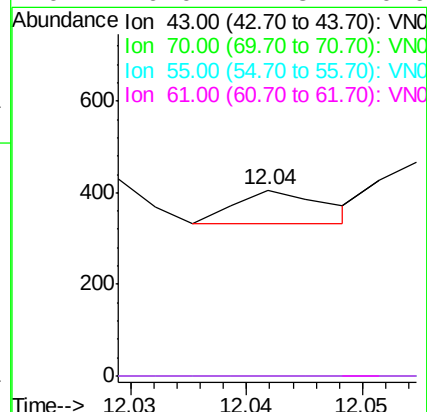
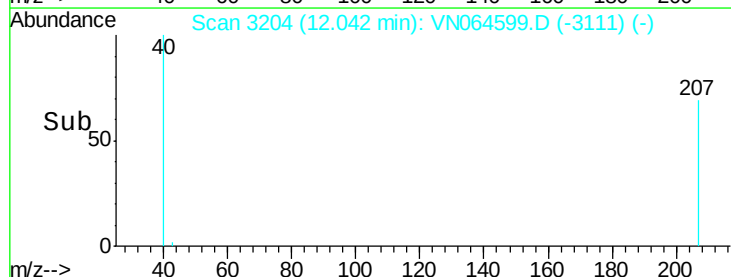


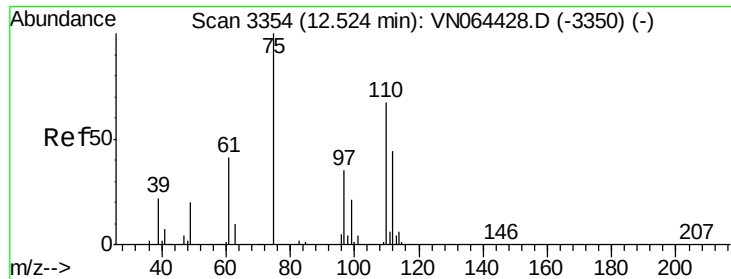
Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

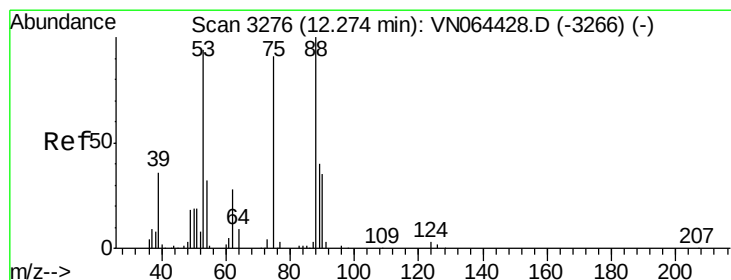
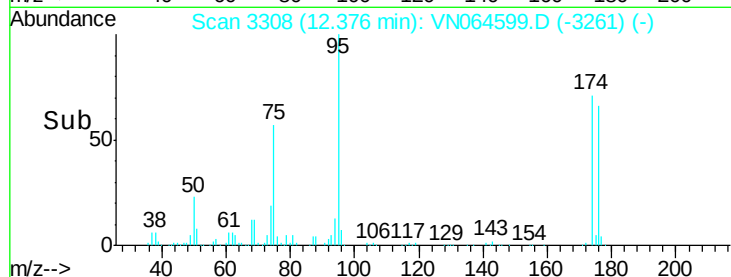
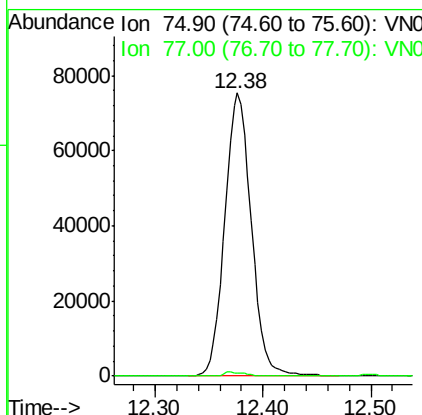
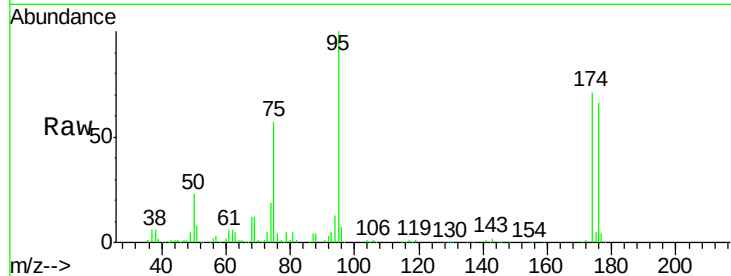




#76
 1,2,3-Trichloropropane
 Concen: 29.704 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.15 min
 Lab File: VN064599.D
 Acq: 12 Nov 2020 23:42

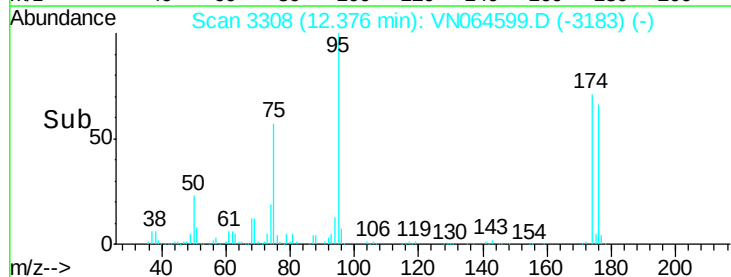
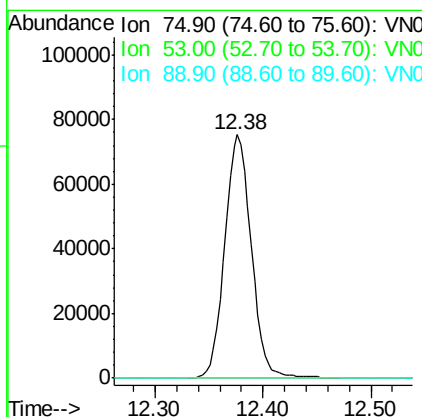
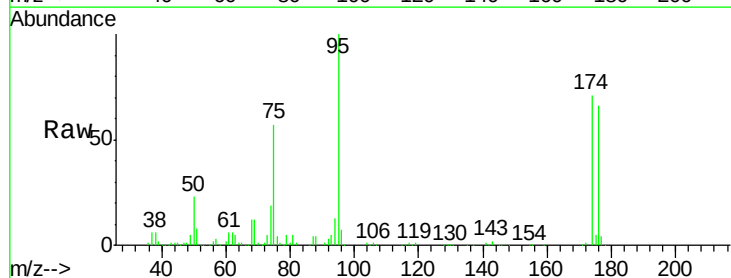
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112WBL02

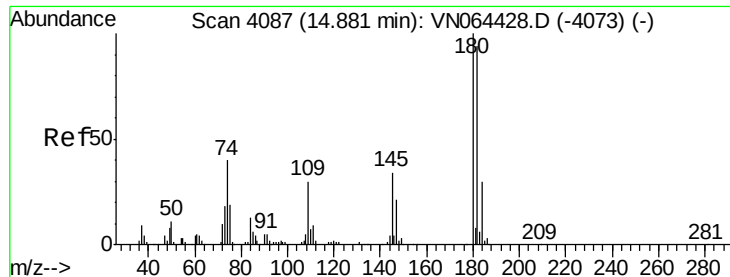
Tot Ion: 75 Resp: 129133
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 82.936 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.10 min
 Lab File: VN064599.D
 Acq: 12 Nov 2020 23:42

Tgt Ion: 75 Resp: 129133
 Ion Ratio Lower Upper
 75 100
 53 0.1 84.0 126.0#
 89 0.0 36.3 54.5#

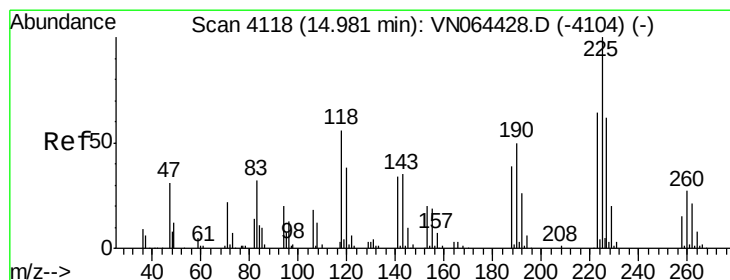
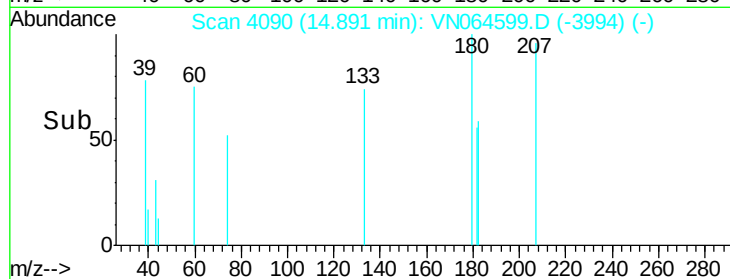
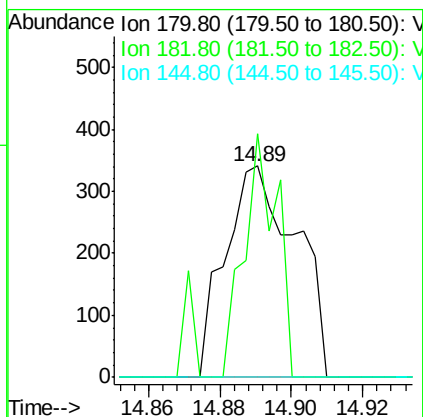
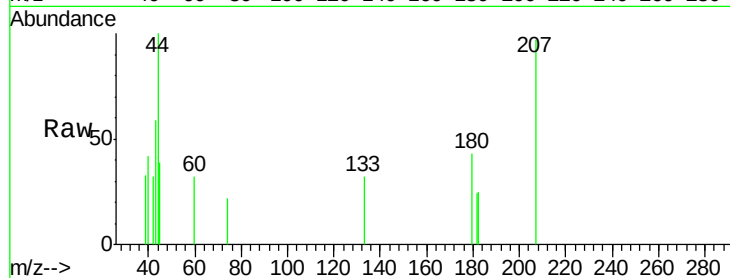




#93
 1,2,4-Trichlorobenzene
 Concen: 2.818 ug/l
 RT: 14.89 min Scan# 4090
 Delta R.T. 0.01 min
 Lab File: VN064599.D
 Acq: 12 Nov 2020 23:42

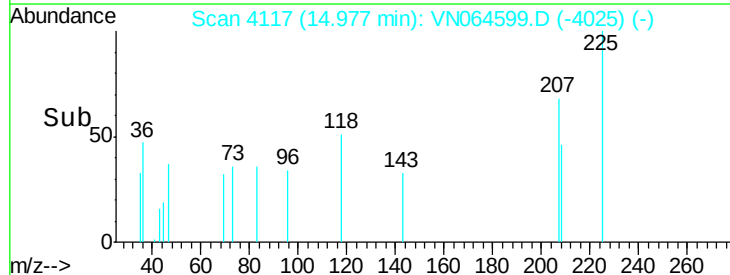
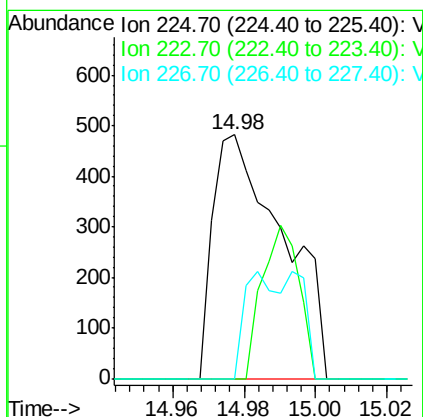
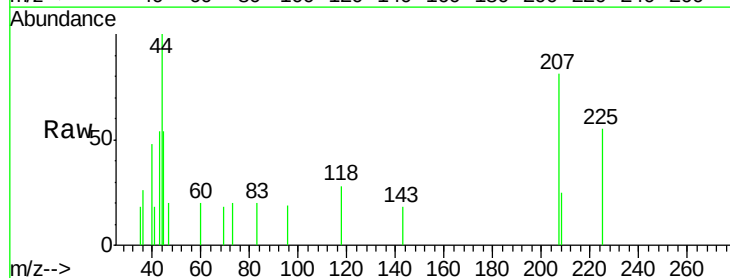
Instrument :
 MSVOA_N
 ClientSampled :
 VN1112WBL02

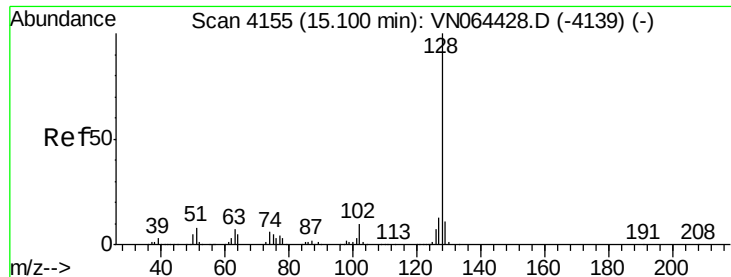
Tot Ion:180 Resp: 468
 Ion Ratio Lower Upper
 180 100
 182 53.8 47.3 142.0
 145 0.0 16.7 50.1#



#94
 Hexachlorobutadiene
 Concen: 0.554 ug/l
 RT: 14.98 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN064599.D
 Acq: 12 Nov 2020 23:42

Tgt Ion:225 Resp: 653
 Ion Ratio Lower Upper
 225 100
 223 33.1 31.8 95.4
 227 21.9 31.8 95.4#





#95

Naphthalene

Concen: 3.763 ug/l

RT: 15.11 min Scan# 4158

Delta R.T. 0.01 min

Lab File: VN064599.D

Acq: 12 Nov 2020 23:42

Instrument :

MSVOA_N

ClientSampled :

VN1112WBL02

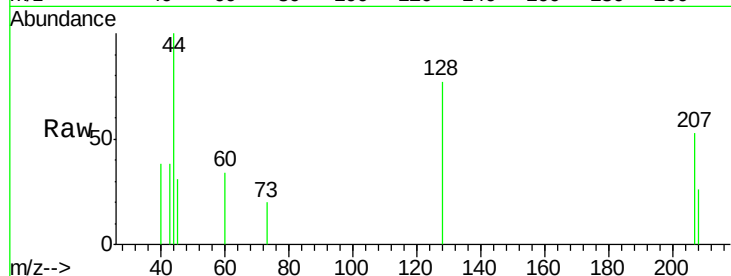
Tot Ion:128 Resp: 1485

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

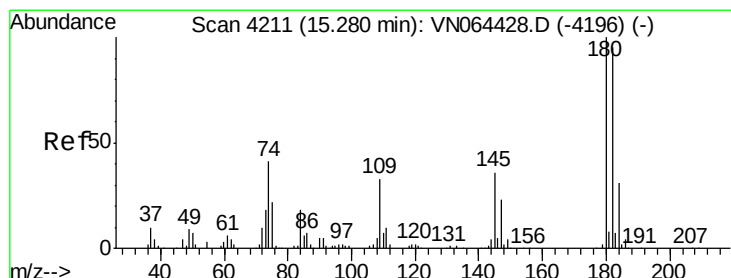
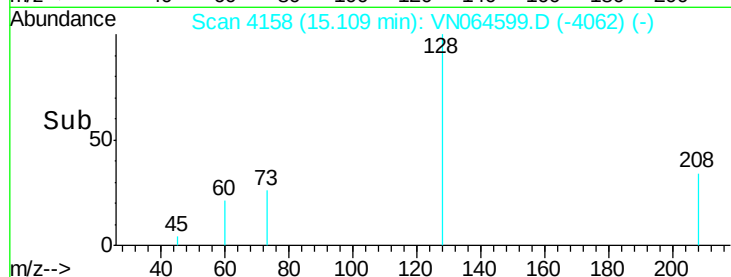
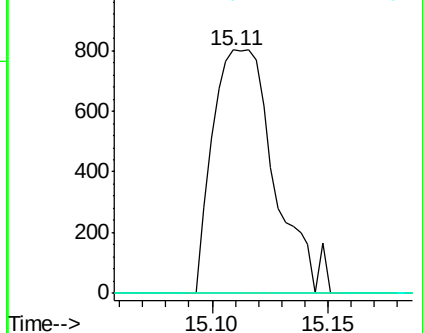
129 0.0 8.8 13.2#



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: 2.955 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN064599.D

Acq: 12 Nov 2020 23:42

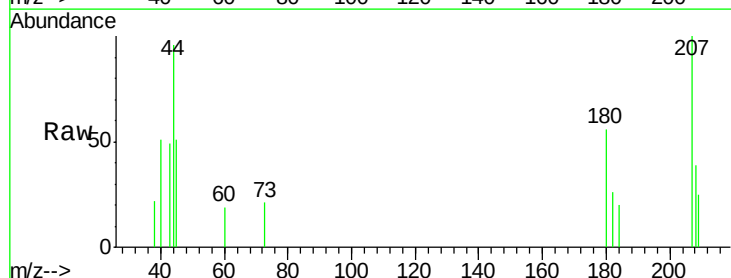
Tgt Ion:180 Resp: 531

Ion Ratio Lower Upper

180 100

182 85.9 47.7 143.1

145 0.0 18.3 54.8#



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

