

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111620\
 Data File : VN064650.D
 Acq On : 16 Nov 2020 9:54
 Operator : JC/MD
 Sample : VN1116MBL01
 Misc : 5.00µ/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116MBL01

Quant Time: Nov 17 03:37:58 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	7.62	168	229961	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	459944	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	473444	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	161550	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	222869	55.64	ug/l	0.00
Spiked Amount			Recovery	=	111.28%	
35) Dibromofluoromethane	7.55	113	164770	52.62	ug/l	0.00
Spiked Amount			Recovery	=	105.24%	
50) Toluene-d8	10.06	98	596940	49.32	ug/l	0.00
Spiked Amount			Recovery	=	98.64%	
62) 4-Bromofluorobenzene	12.38	95	212858	46.50	ug/l	0.00
Spiked Amount			Recovery	=	93.00%	

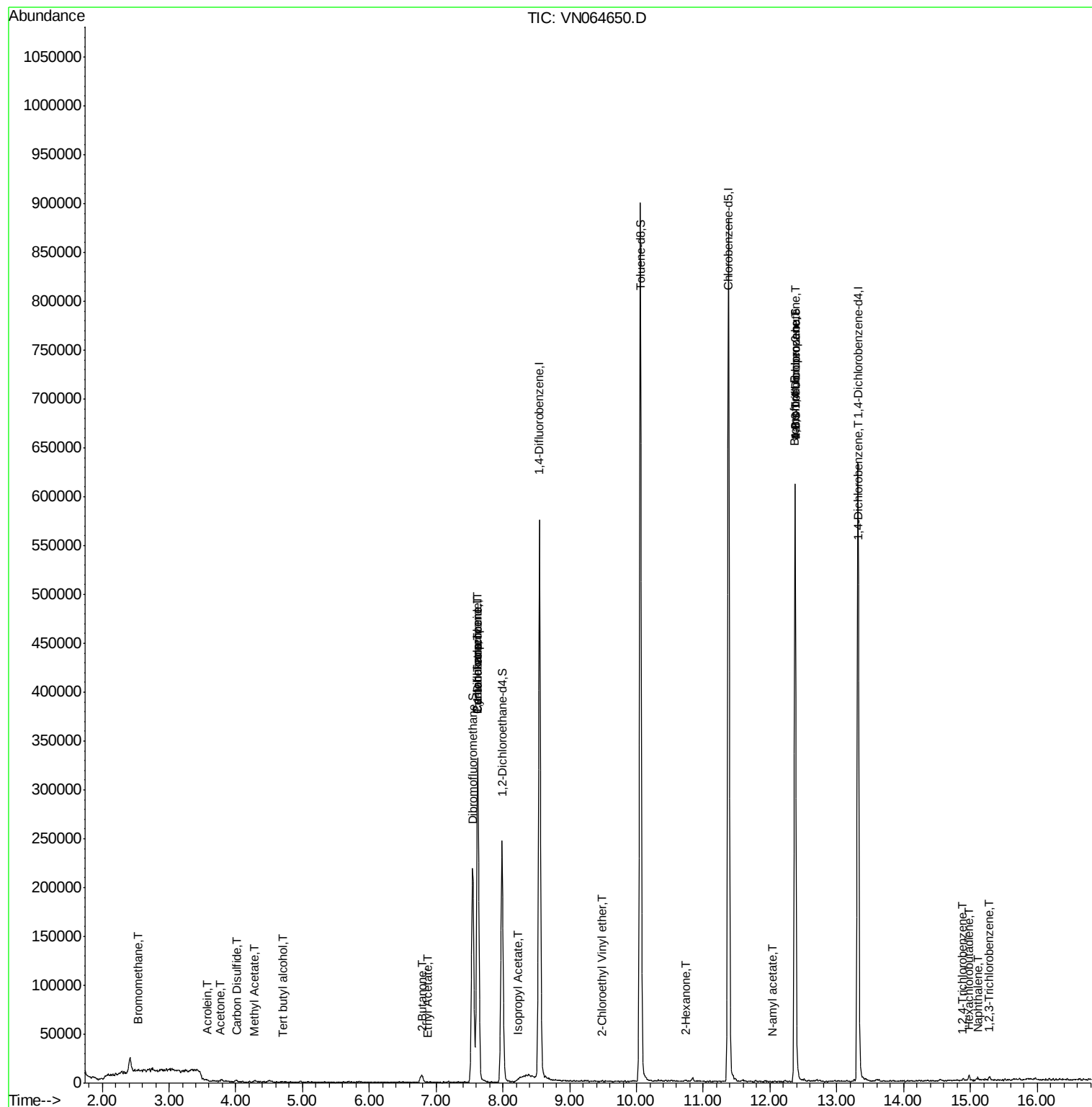
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.55	94	837	0.351	ug/l #	79
11) Tert butyl alcohol	4.70	59	155	0.351	ug/l #	71
13) Acrolein	3.58	56	511	1.865	ug/l #	65
16) Acetone	3.77	43	1124	0.737	ug/l #	64
17) Carbon Disulfide	4.01	76	1831	0.249	ug/l #	76
18) Methyl Acetate	4.28	43	893	0.298	ug/l #	87
25) 2-Butanone	6.80	43	535	0.275	ug/l #	52
31) Cyclohexane	7.62	56	7053	1.448	ug/l #	3
36) 1,1-Dichloropropene	7.62	75	22091	4.546	ug/l #	51
37) Ethyl Acetate	6.88	43	30	0.768	ug/l #	71
38) Carbon Tetrachloride	7.62	117	26412	5.086	ug/l #	19
43) Isopropyl Acetate	8.22	43	1764	0.224	ug/l #	64
58) 2-Chloroethyl Vinyl ether	9.47	63	30	21.548	ug/l #	51
59) 2-Hexanone	10.73	43	627	4.193	ug/l	67
71) Bromoform	12.36	173	433	1.420	ug/l #	1
74) N-amyl acetate	12.04	43	291	1.260	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	120522	30.791	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	120522	85.971	ug/l #	8
88) 1,4-Dichlorobenzene	13.33	146	1167	0.208	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.88	180	732	2.931	ug/l #	59
94) Hexachlorobutadiene	14.98	225	949	0.894	ug/l	92
95) Naphthalene	15.11	128	2944	3.931	ug/l #	79
96) 1,2,3-Trichlorobenzene	15.27	180	710	3.043	ug/l #	21

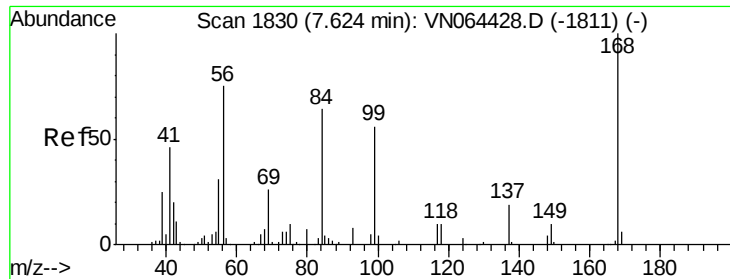
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Operator : JC/MD
Sample : VN1116MBL01
Misc : 5.00µg/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
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VN1116MBL01

Quant Time: Nov 17 03:37:58 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 04 12:09:03 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: VN064650.D

Acq: 16 Nov 2020 9:54

Instrument :

MSVOA_N

ClientSampled :

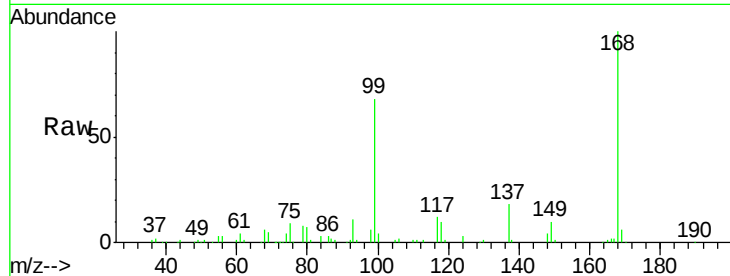
VN1116MBL01

Tot Ion:168 Resp: 229961

Ion Ratio Lower Upper

168 100

99 68.4 53.4 80.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.62

100000

80000

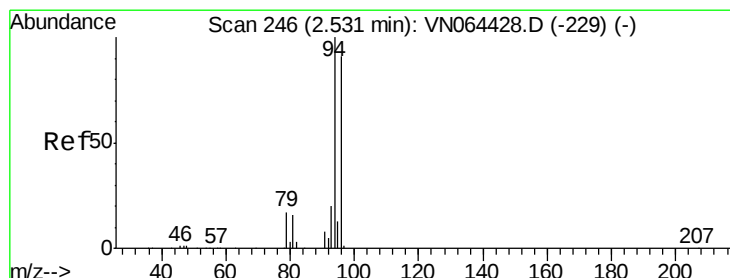
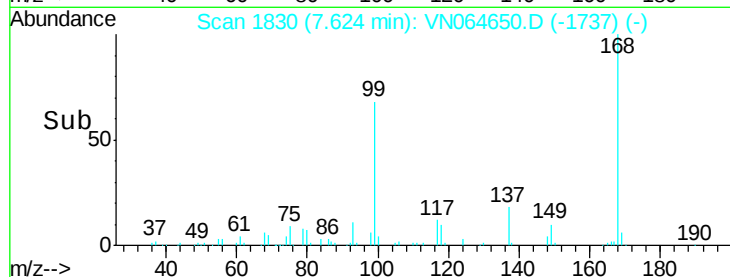
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#5

Bromomethane

Concen: 0.351 ug/l

RT: 2.55 min Scan# 252

Delta R.T. 0.02 min

Lab File: VN064650.D

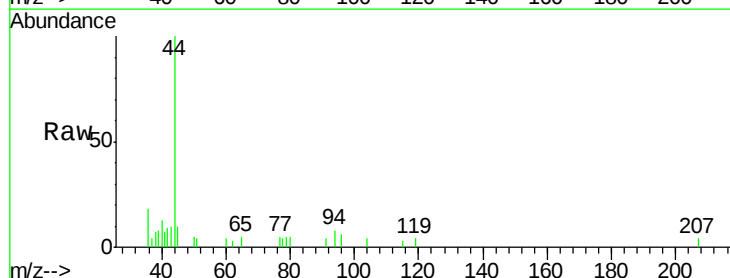
Acq: 16 Nov 2020 9:54

Tgt Ion: 94 Resp: 837

Ion Ratio Lower Upper

94 100

96 71.9 73.1 109.7#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.55

400

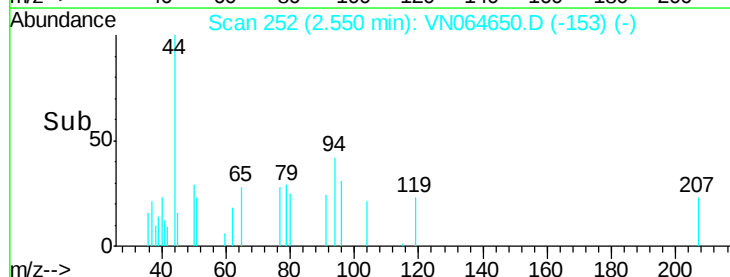
300

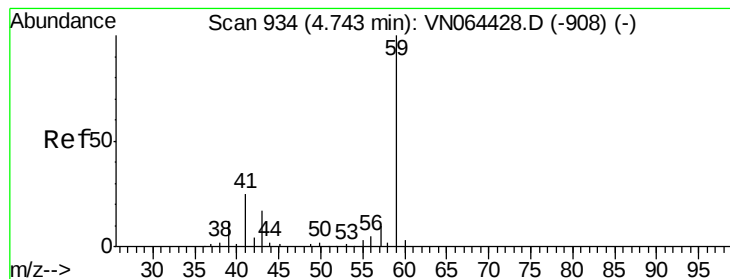
200

100

0

Time--> 2.50 2.55 2.60



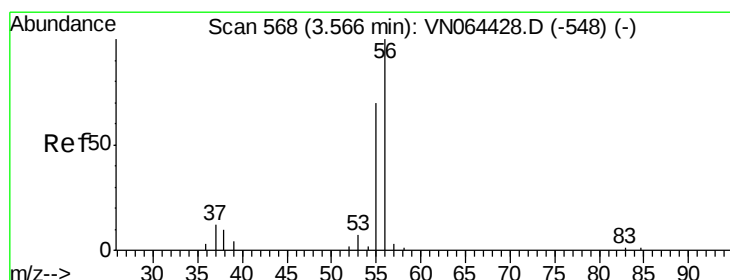
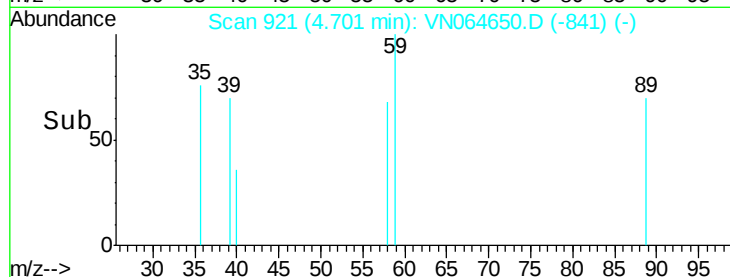
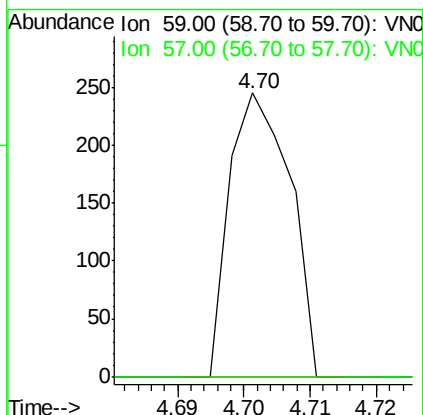
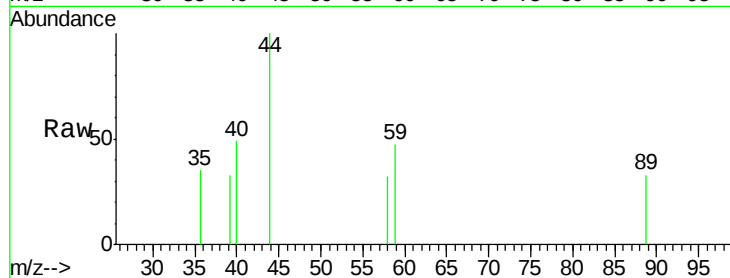


#11

Tert butyl alcohol
 Concen: 0.351 ug/l
 RT: 4.70 min Scan# 921
 Delta R.T. -0.04 min
 Lab File: VN064650.D
 Acq: 16 Nov 2020 9:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116MBL01

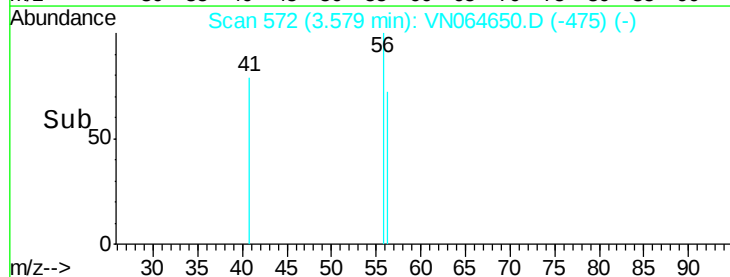
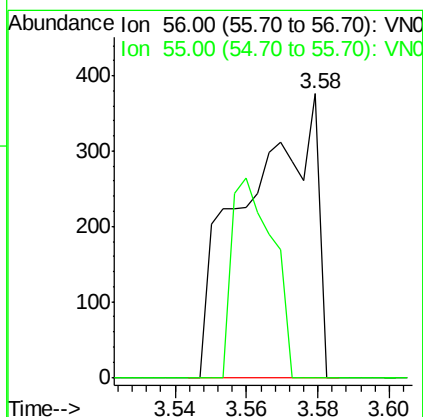
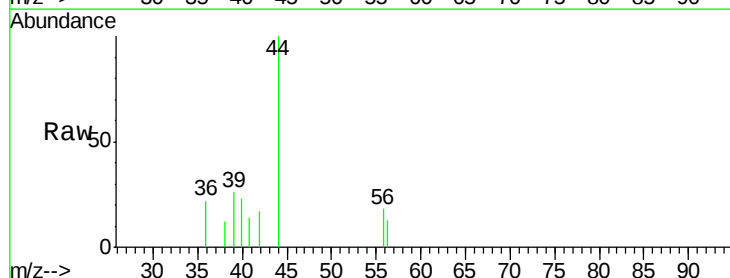
Tot Ion: 59 Resp: 155
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.0 13.4#

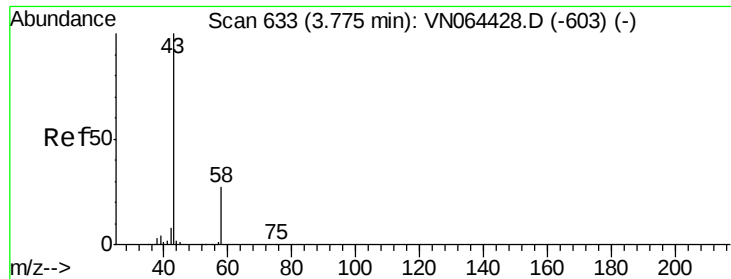


#13

Acrolein
 Concen: 1.865 ug/l
 RT: 3.58 min Scan# 572
 Delta R.T. 0.01 min
 Lab File: VN064650.D
 Acq: 16 Nov 2020 9:54

Tgt Ion: 56 Resp: 511
 Ion Ratio Lower Upper
 56 100
 55 40.9 55.9 83.9#





#16

Acetone

Concen: 0.737 ug/l

RT: 3.77 min Scan# 632

Delta R.T. -0.00 min

Lab File: VN064650.D

Acq: 16 Nov 2020 9:54

Instrument :

MSVOA_N

ClientSampleId :

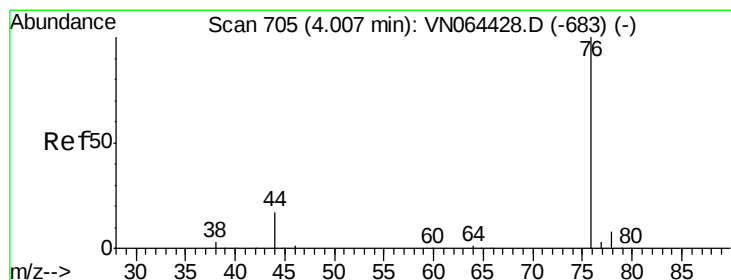
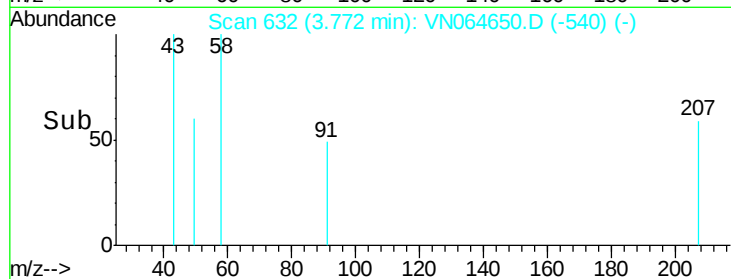
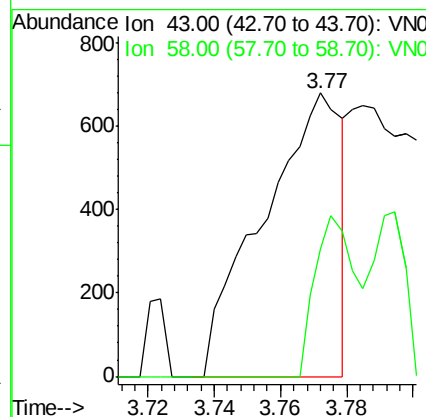
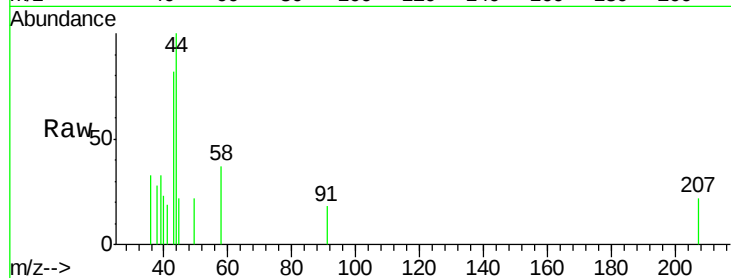
VN1116MBL01

Tot Ion: 43 Resp: 1124

Ion Ratio Lower Upper

43 100

58 45.1 21.4 32.0#



#17

Carbon Disulfide

Concen: 0.249 ug/l

RT: 4.01 min Scan# 707

Delta R.T. 0.01 min

Lab File: VN064650.D

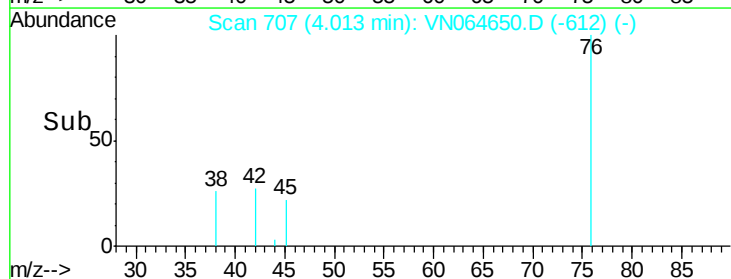
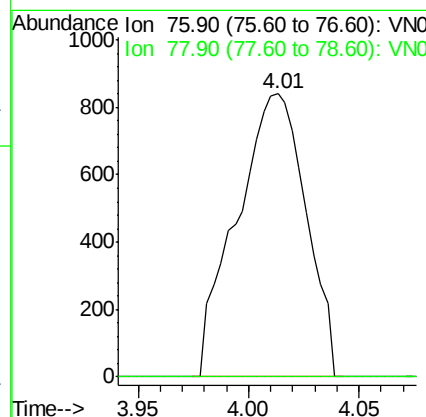
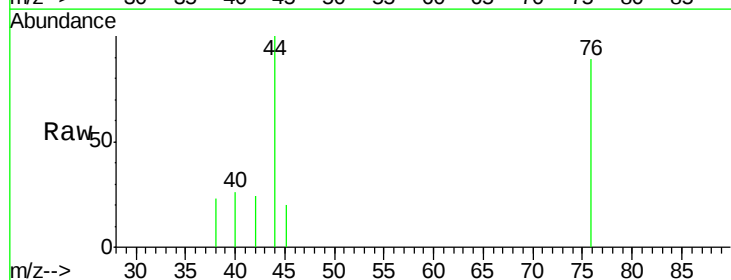
Acq: 16 Nov 2020 9:54

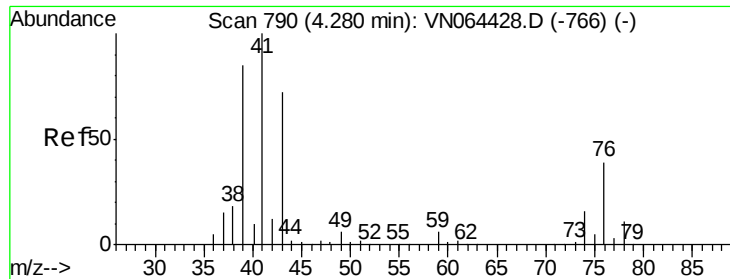
Tgt Ion: 76 Resp: 1831

Ion Ratio Lower Upper

76 100

78 0.0 6.8 10.2#

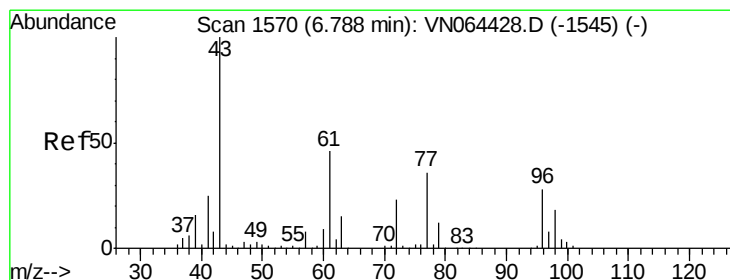
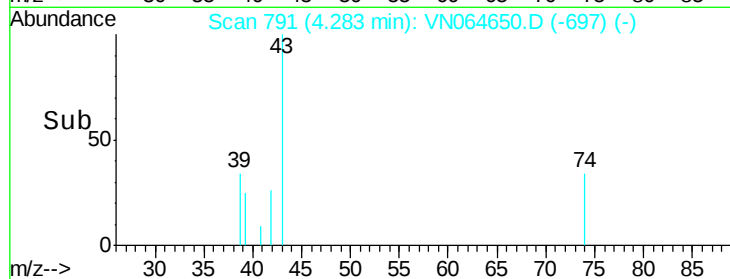
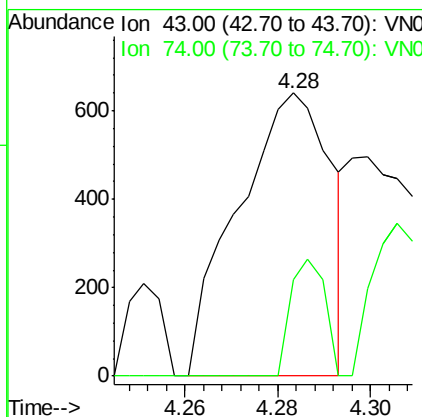
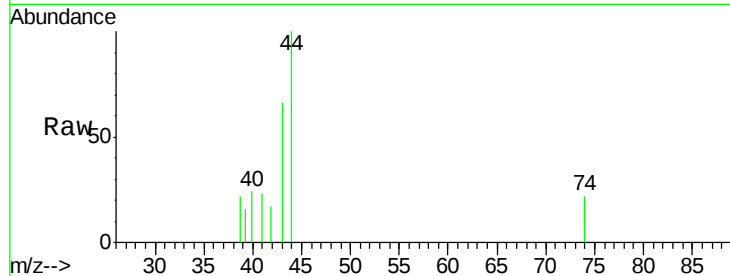




#18
Methyl Acetate
Concen: 0.298 ug/l
RT: 4.28 min Scan# 791
Delta R.T. 0.00 min
Lab File: VN064650.D
Acq: 16 Nov 2020 9:54

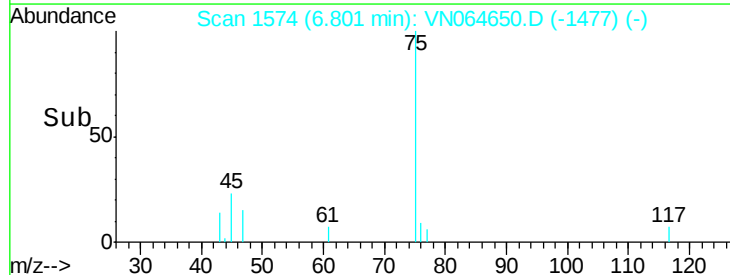
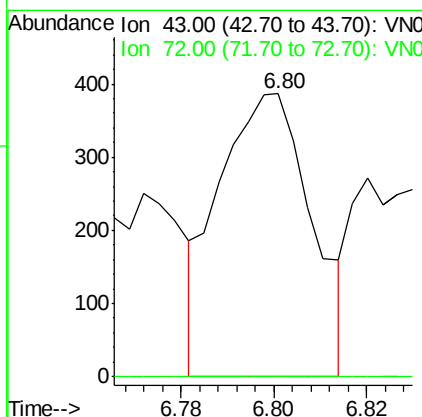
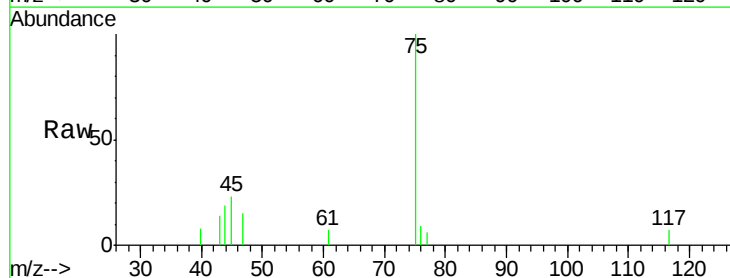
Instrument :
MSVOA_N
ClientSampled :
VN1116MBL01

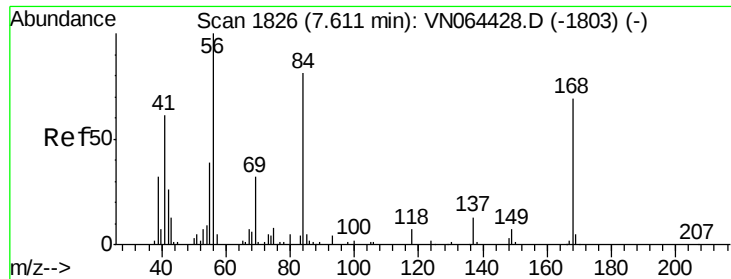
Tot Ion: 43 Resp: 893
Ion Ratio Lower Upper
43 100
74 15.1 17.0 25.4#



#25
2-Butanone
Concen: 0.275 ug/l
RT: 6.80 min Scan# 1574
Delta R.T. 0.01 min
Lab File: VN064650.D
Acq: 16 Nov 2020 9:54

Tgt Ion: 43 Resp: 535
Ion Ratio Lower Upper
43 100
72 0.0 18.5 27.7#

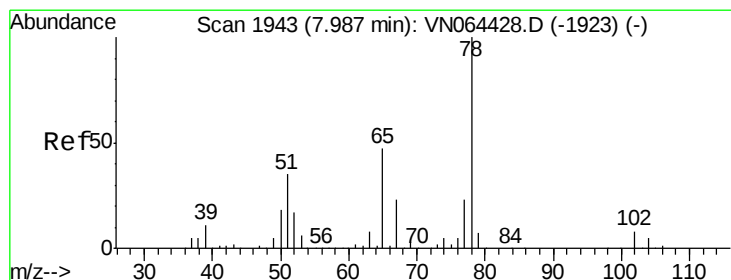
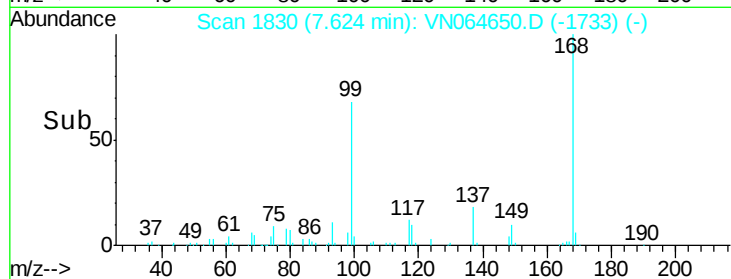
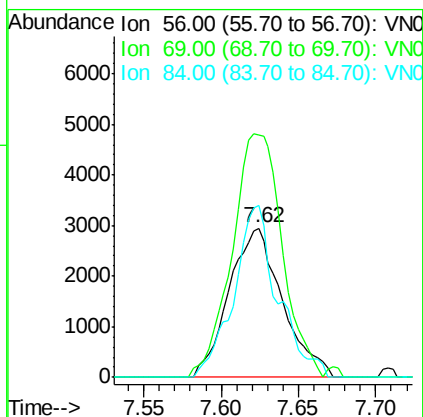
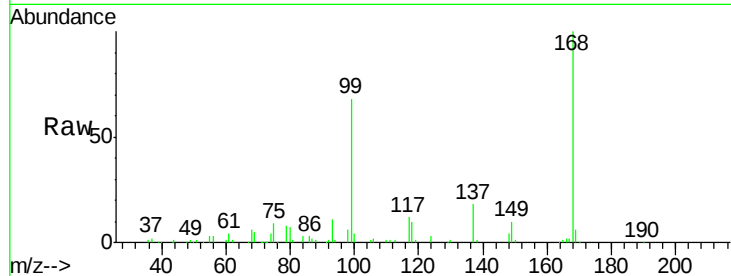




#31
Cyclohexane
Concen: 1.448 ug/l
RT: 7.62 min Scan# 1830
Delta R.T. 0.01 min
Lab File: VN064650.D
Acq: 16 Nov 2020 9:54

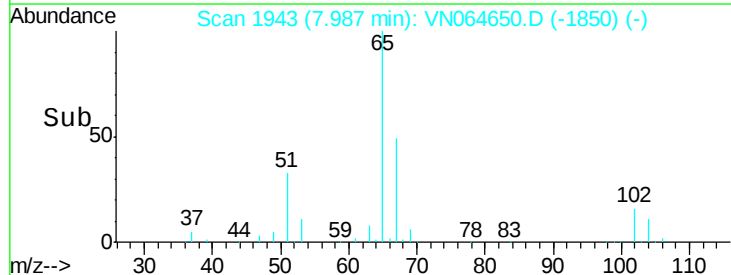
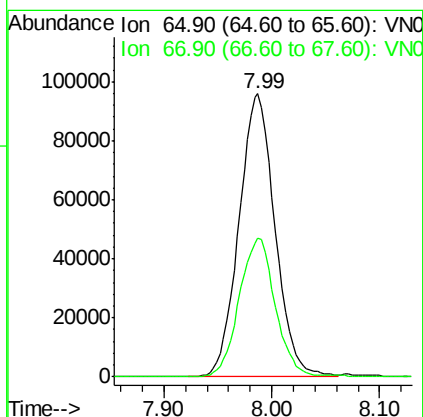
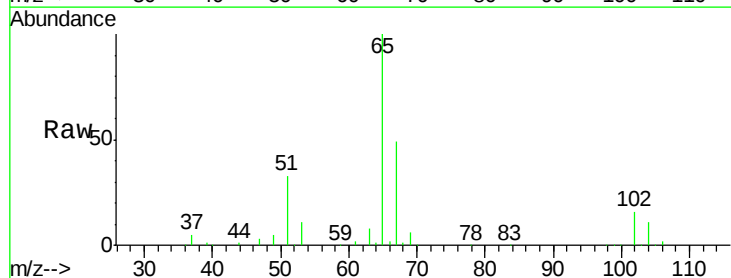
Instrument :
MSVOA_N
ClientSampleId :
VN1116MBL01

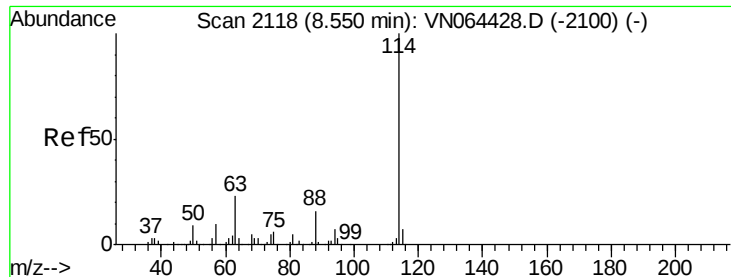
Tot Ion: 56 Resp: 7053
Ion Ratio Lower Upper
56 100
69 162.1 25.6 38.4#
84 114.7 63.0 94.6#



#33
1,2-Dichloroethane-d4
Concen: 55.640 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN064650.D
Acq: 16 Nov 2020 9:54

Tgt Ion: 65 Resp: 222869
Ion Ratio Lower Upper
65 100
67 49.0 0.0 101.6

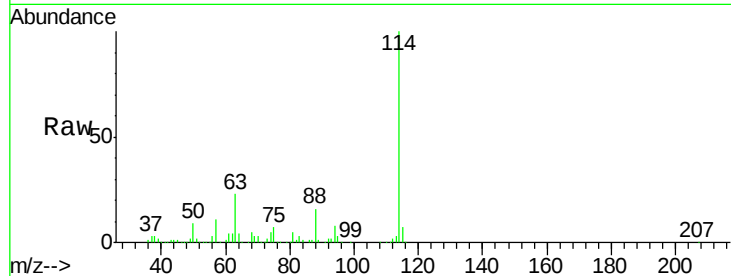




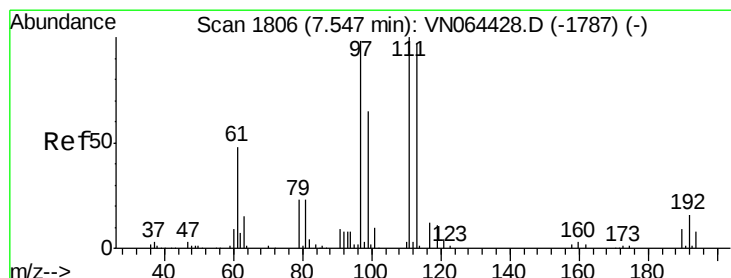
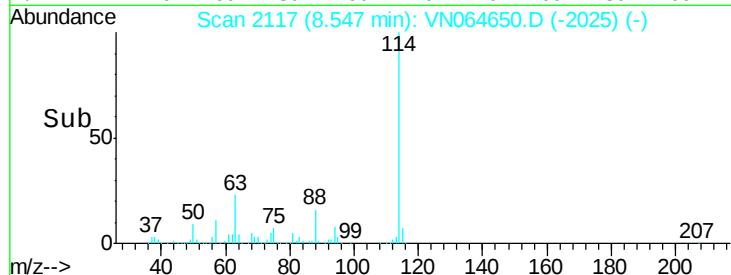
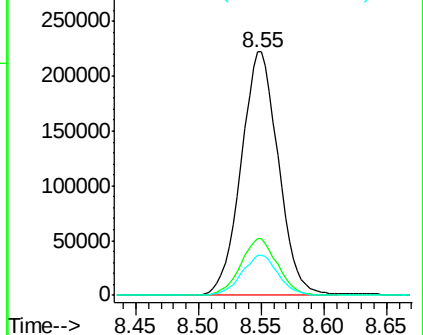
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VN064650.D
 Acq: 16 Nov 2020 9:54

Instrument :
 MSVOA_N
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 VN1116MBL01

Tot Ion	Ratio	Lower	Upper
114	100		
63	23.2	0.0	45.6
88	16.2	0.0	32.8

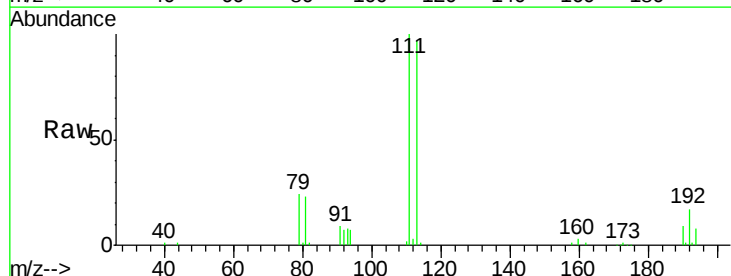


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

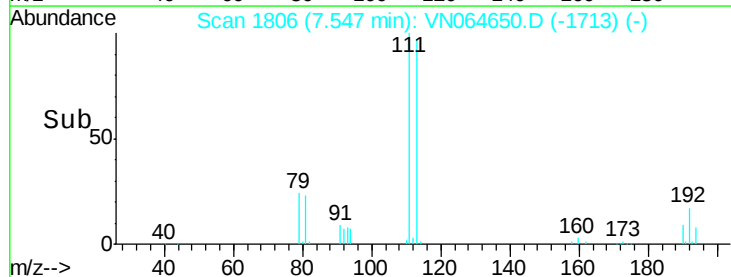
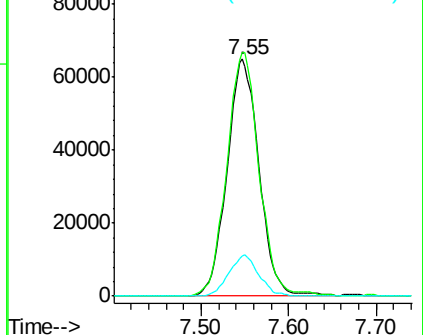


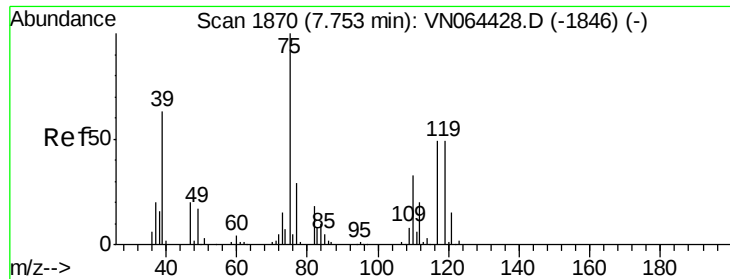
#35
 Dibromofluoromethane
 Concen: 52.616 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN064650.D
 Acq: 16 Nov 2020 9:54

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.1	121.7
192	16.2	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

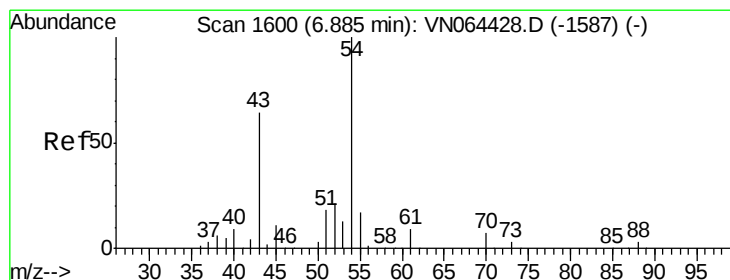
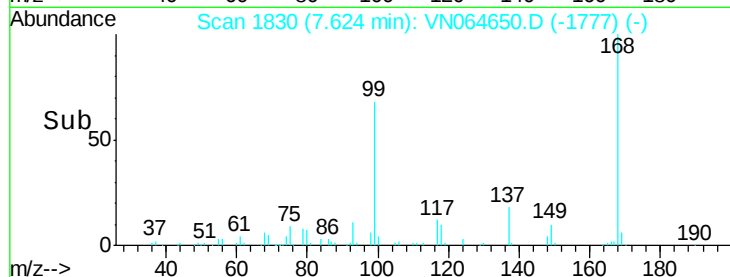
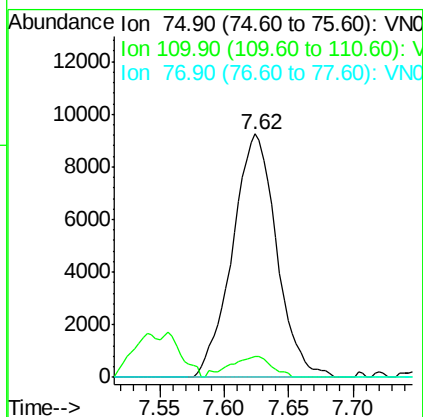
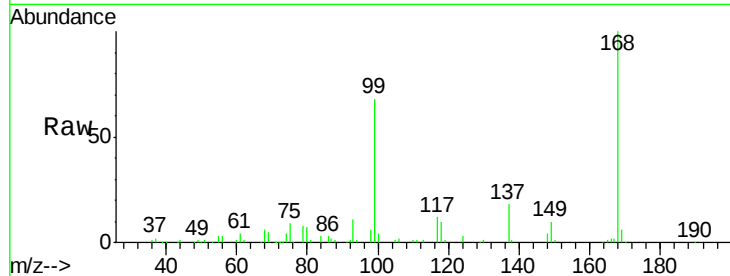




#36
 1,1-Dichloropropene
 Concen: 4.546 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN064650.D
 Acq: 16 Nov 2020 9:54

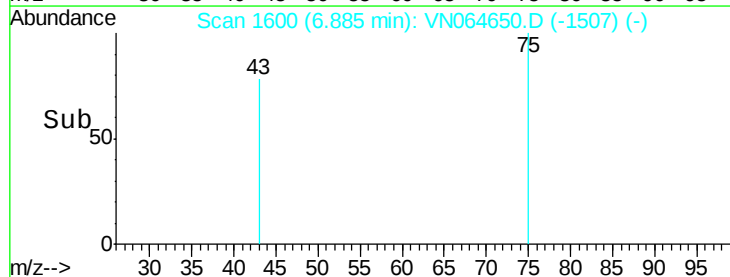
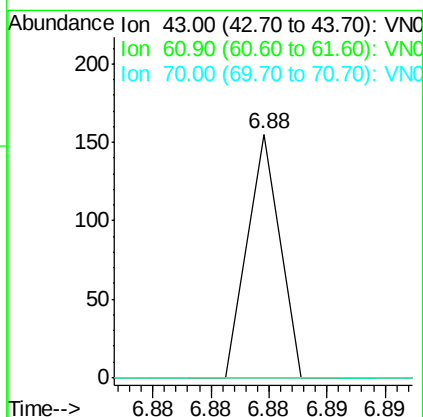
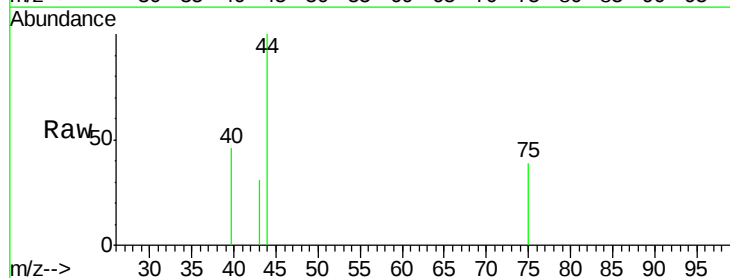
Instrument :
 MSVOA_N
 ClientSampled :
 VN1116MBL01

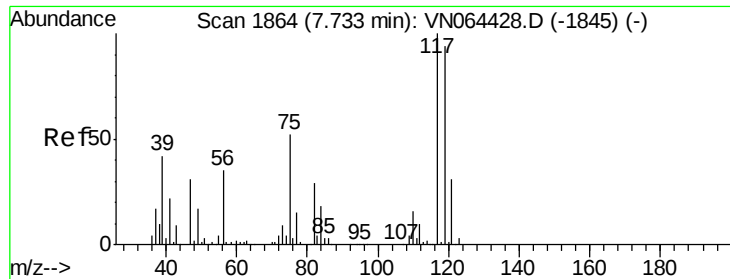
Tot Ion: 75 Resp: 22091
 Ion Ratio Lower Upper
 75 100
 110 8.0 16.0 48.0#
 77 0.0 24.0 36.0#



#37
 Ethyl Acetate
 Concen: 0.768 ug/l
 RT: 6.88 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VN064650.D
 Acq: 16 Nov 2020 9:54

Tgt Ion: 43 Resp: 30
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.0 15.0#
 70 0.0 7.1 10.7#





#38

Carbon Tetrachloride

Concen: 5.086 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.11 min

Lab File: VN064650.D

Acq: 16 Nov 2020 9:54

Instrument :

MSVOA_N

ClientSampleId :

VN1116MBL01

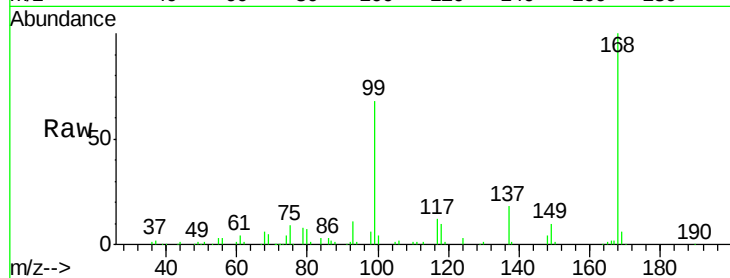
Tot Ion:117 Resp: 26412

Ion Ratio Lower Upper

117 100

119 8.4 75.5 113.3#

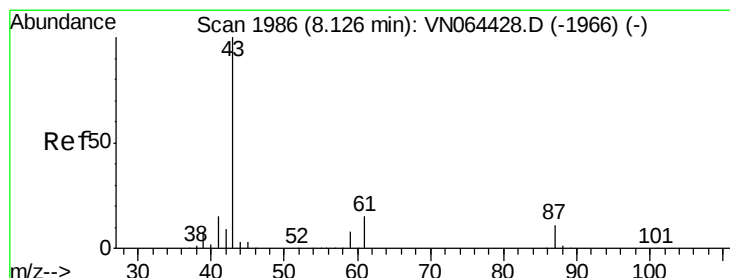
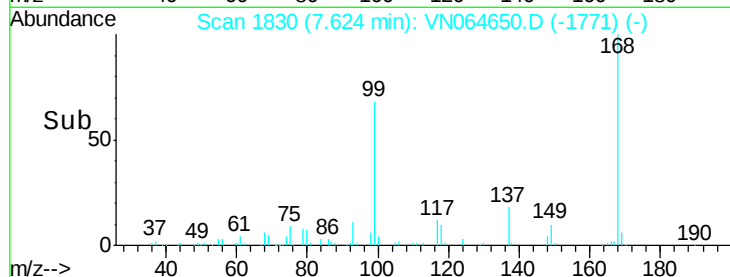
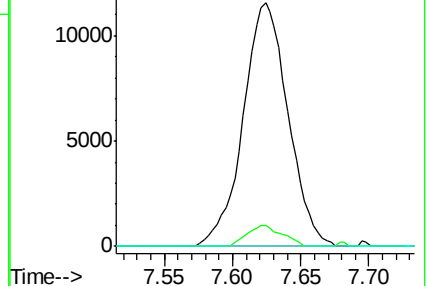
121 0.0 24.4 36.6#



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



#43

Isopropyl Acetate

Concen: 0.224 ug/l

RT: 8.22 min Scan# 2015

Delta R.T. 0.09 min

Lab File: VN064650.D

Acq: 16 Nov 2020 9:54

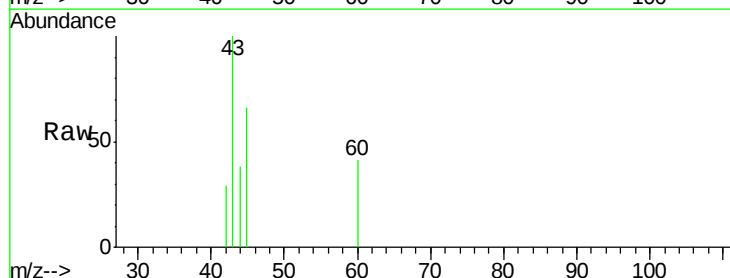
Tgt Ion: 43 Resp: 1764

Ion Ratio Lower Upper

43 100

61 0.0 14.0 21.0#

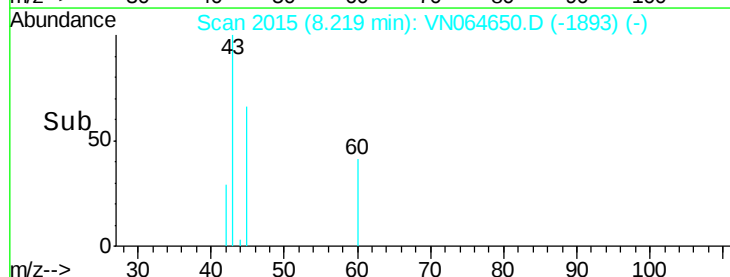
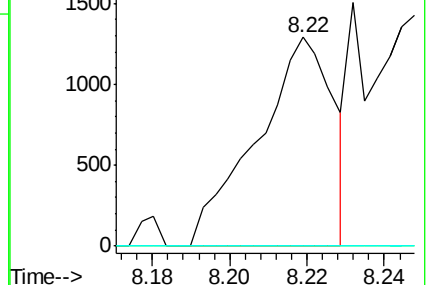
87 0.0 9.1 13.7#

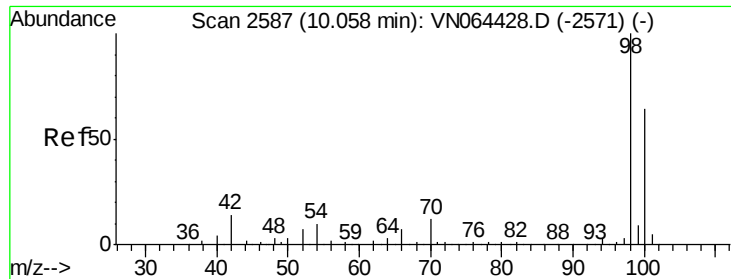


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 87.00 (86.70 to 87.70): VNO





#50

Toluene-d8

Concen: 49.319 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN064650.D

Acq: 16 Nov 2020 9:54

Instrument :

MSVOA_N

ClientSampleId :

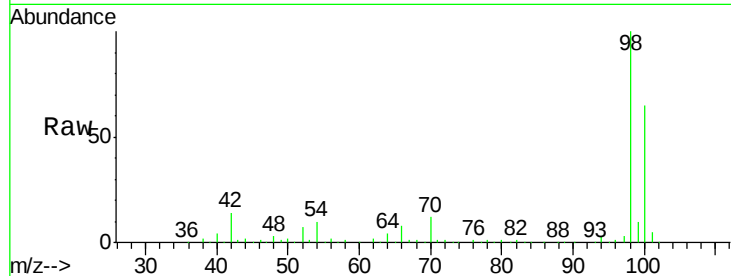
VN1116MBL01

Tot Ion: 98 Resp: 596940

Ion Ratio Lower Upper

98 100

100 62.8 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

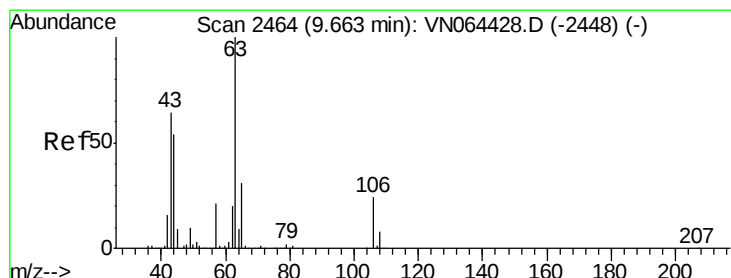
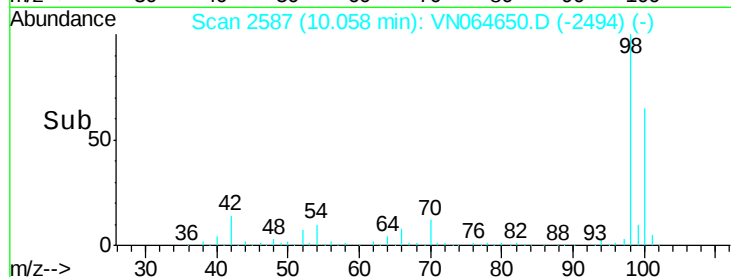
300000

200000

100000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 21.548 ug/l

RT: 9.47 min Scan# 2405

Delta R.T. -0.19 min

Lab File: VN064650.D

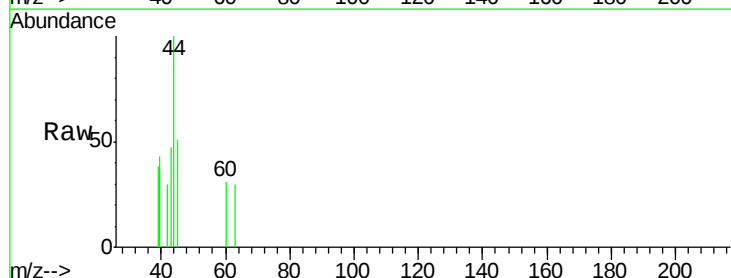
Acq: 16 Nov 2020 9:54

Tgt Ion: 63 Resp: 30

Ion Ratio Lower Upper

63 100

106 0.0 19.5 29.3#



Abundance Ion 62.90 (62.60 to 63.60): VN064428.D (-2448) (-)

Ion 105.90 (105.60 to 106.60): VN064428.D (-2448) (-)

9.47

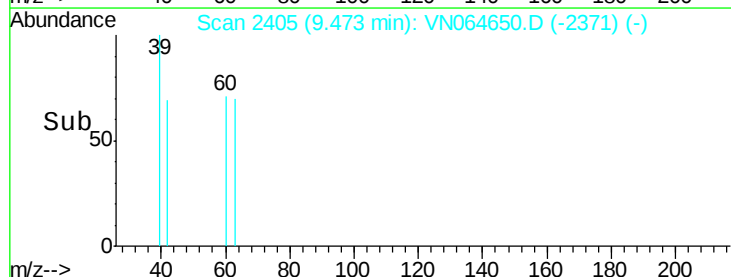
150

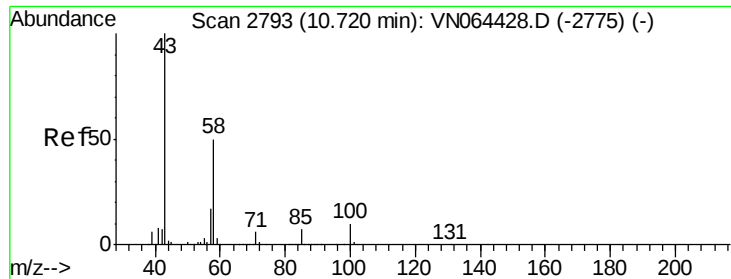
100

50

0

Time-->

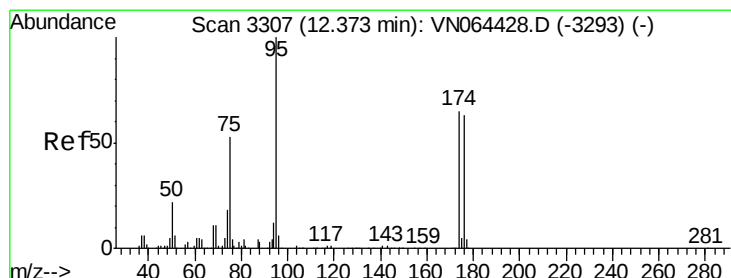
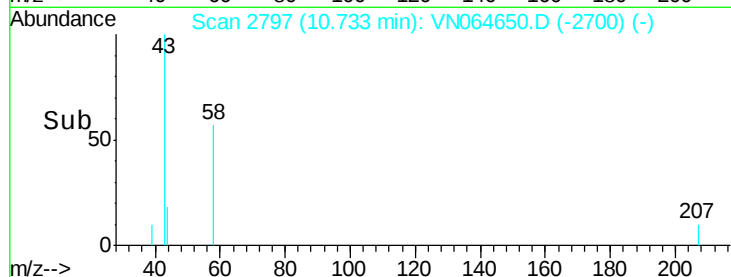
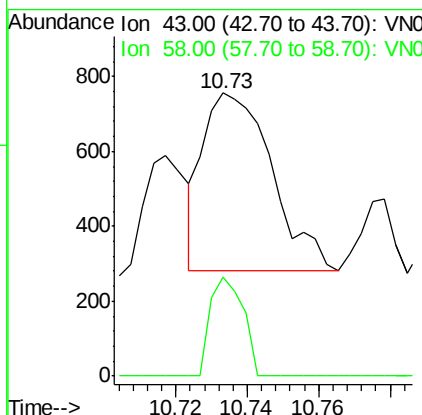
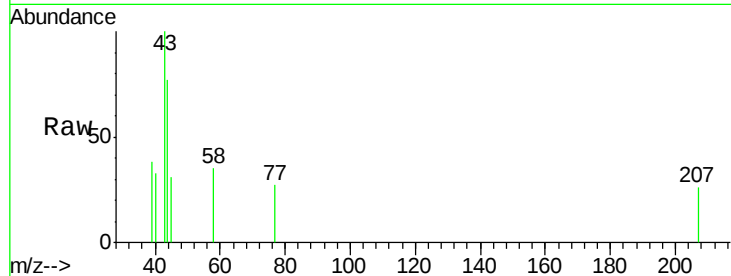




#59
2-Hexanone
Concen: 4.193 ug/l
RT: 10.73 min Scan# 2797
Delta R.T. 0.01 min
Lab File: VN064650.D
Acq: 16 Nov 2020 9:54

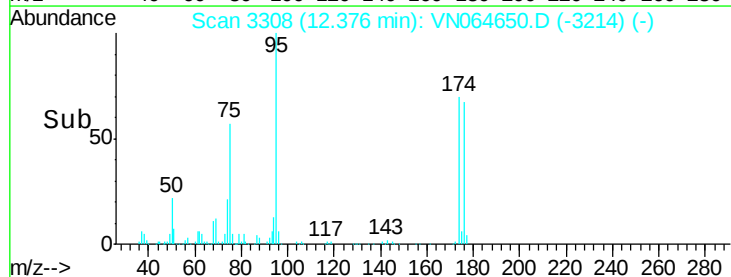
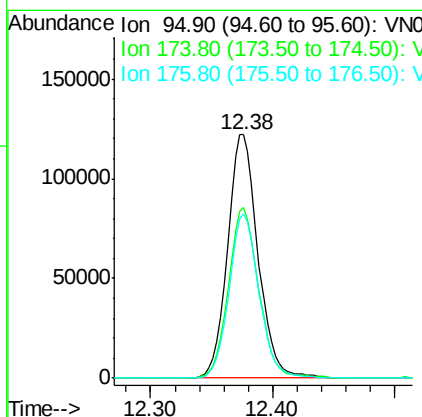
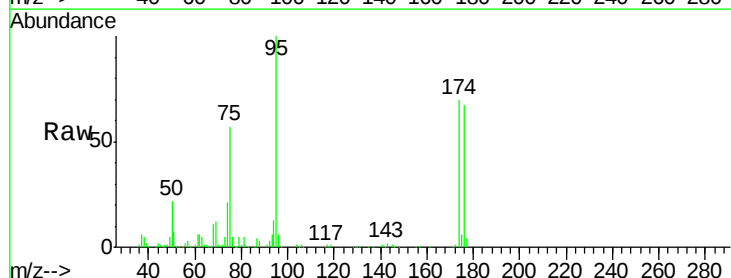
Instrument :
MSVOA_N
ClientSampled :
VN1116MBL01

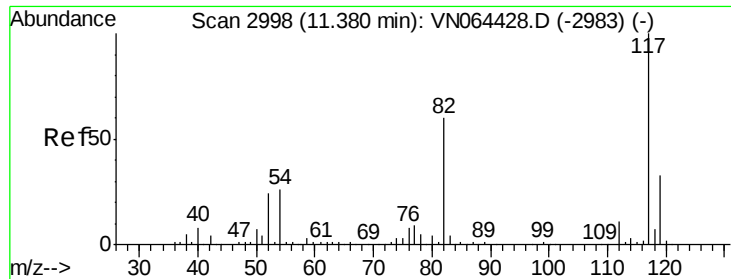
Tot Ion: 43 Resp: 627
Ion Ratio Lower Upper
43 100
58 26.6 24.7 74.1



#62
4-Bromofluorobenzene
Concen: 46.502 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064650.D
Acq: 16 Nov 2020 9:54

Tgt Ion: 95 Resp: 212858
Ion Ratio Lower Upper
95 100
174 69.8 0.0 132.6
176 66.5 0.0 129.2

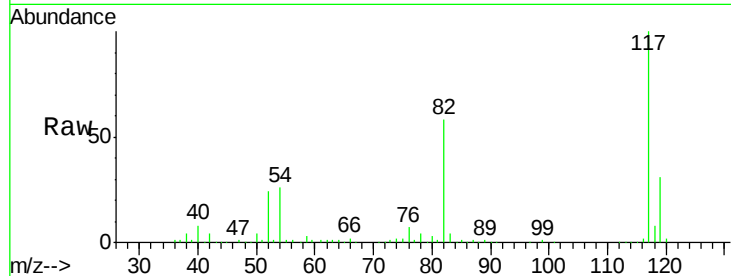




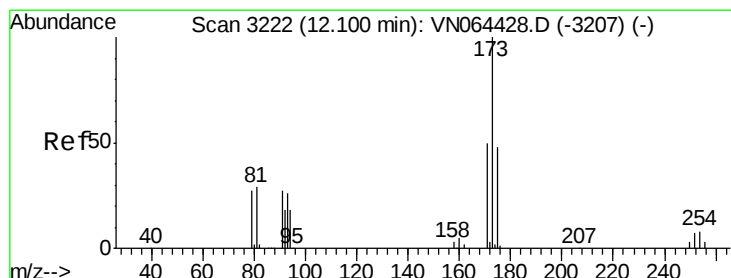
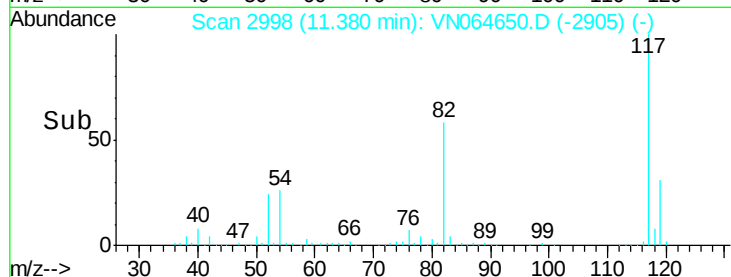
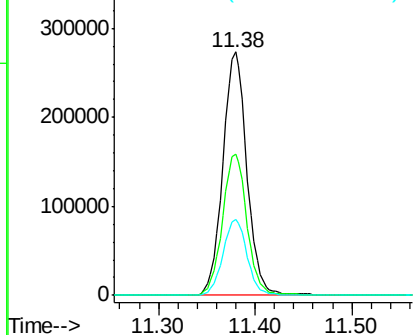
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064650.D
Acq: 16 Nov 2020 9:54

Instrument :
MSVOA_N
ClientSampleId :
VN1116MBL01

Tot Ion:117 Resp: 473444
Ion Ratio Lower Upper
117 100
82 57.8 48.1 72.1
119 31.0 26.2 39.4

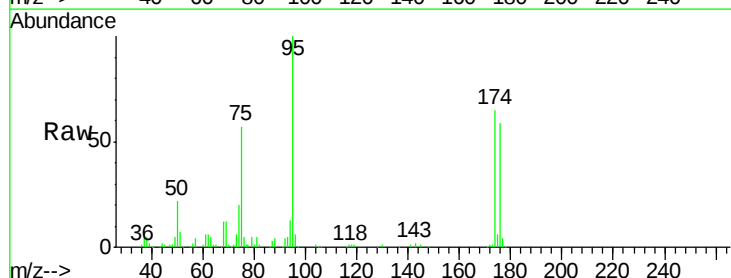


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

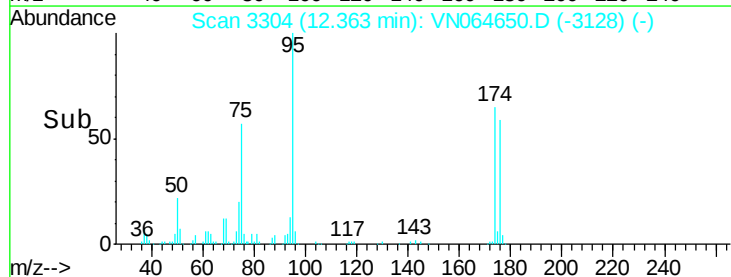
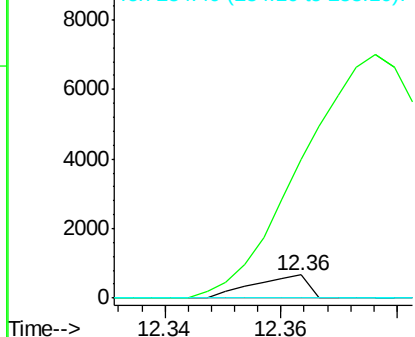


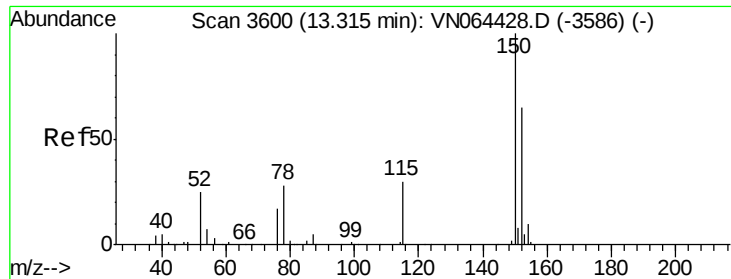
#71
Bromoform
Concen: 1.420 ug/l
RT: 12.36 min Scan# 3304
Delta R.T. 0.26 min
Lab File: VN064650.D
Acq: 16 Nov 2020 9:54

Tgt Ion:173 Resp: 433
Ion Ratio Lower Upper
173 100
175 2281.5 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: VN064650.D

Acq: 16 Nov 2020 9:54

Instrument :

MSVOA_N

ClientSampleId :

VN1116MBL01

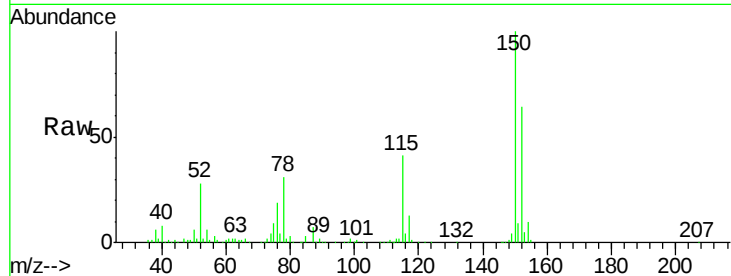
Tot Ion:152 Resp: 161550

Ion Ratio Lower Upper

152 100

115 65.4 32.0 96.0

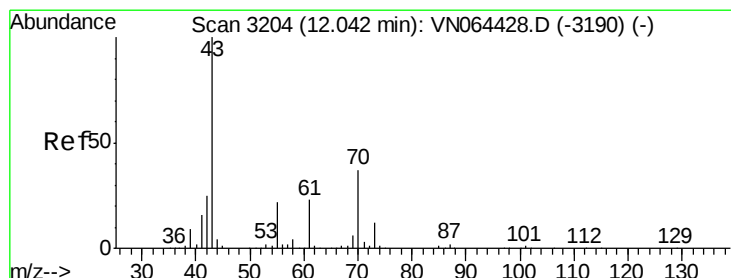
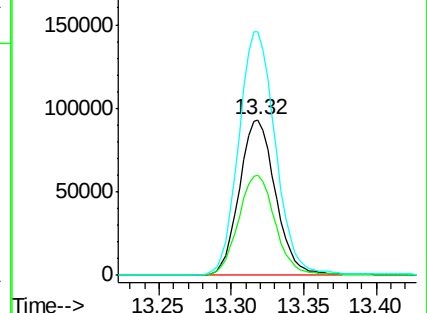
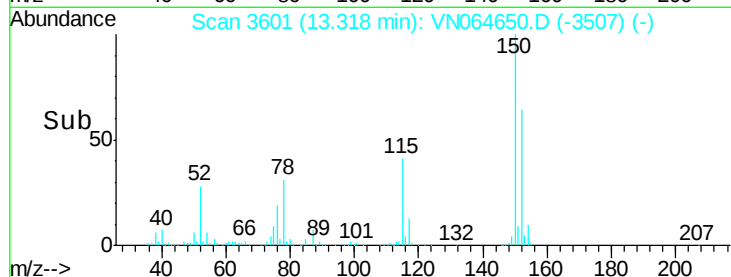
150 159.8 0.0 353.8



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-ethyl acetate

Concen: 1.260 ug/l

RT: 12.04 min Scan# 3202

Delta R.T. -0.01 min

Lab File: VN064650.D

Acq: 16 Nov 2020 9:54

Tgt Ion: 43 Resp: 291

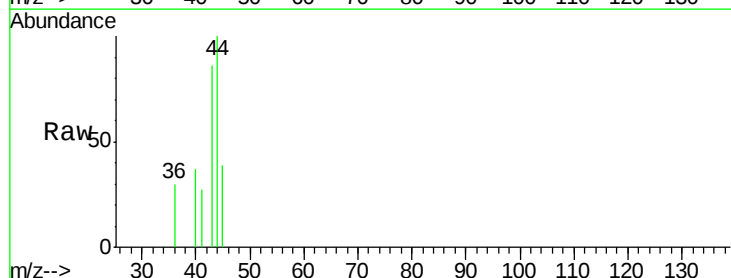
Ion Ratio Lower Upper

43 100

70 0.0 29.6 44.4#

55 0.0 18.4 27.6#

61 0.0 17.8 26.6#

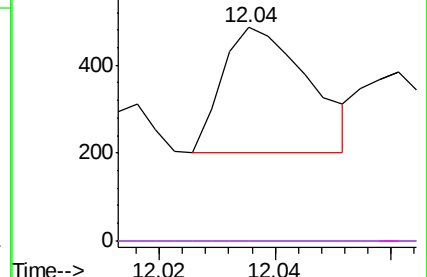
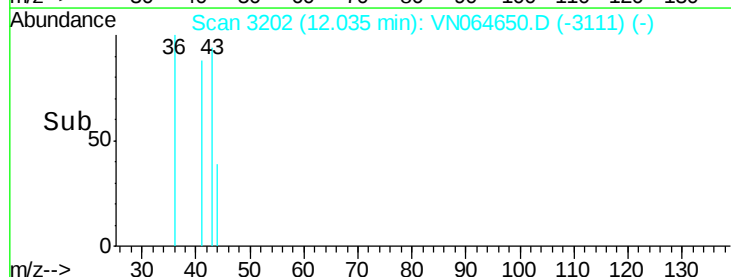


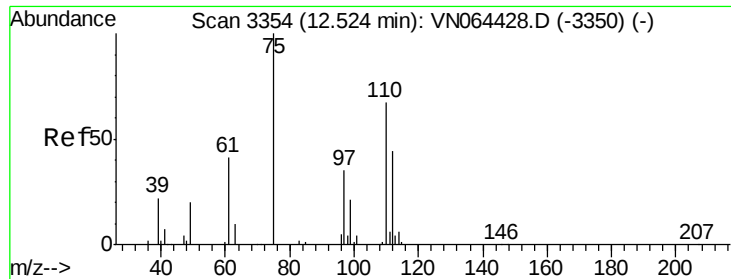
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

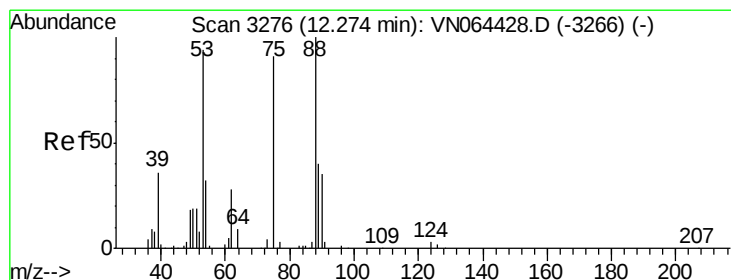
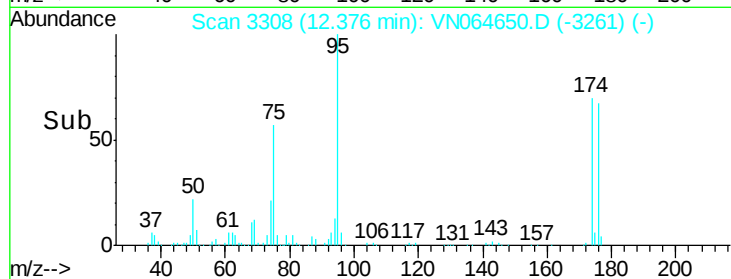
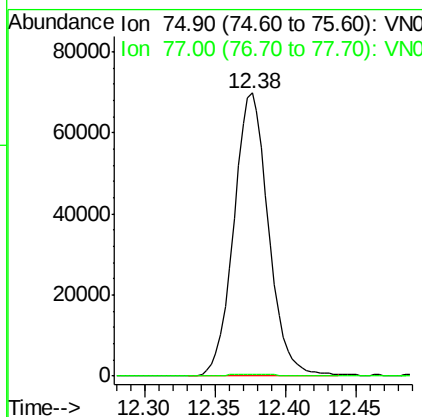
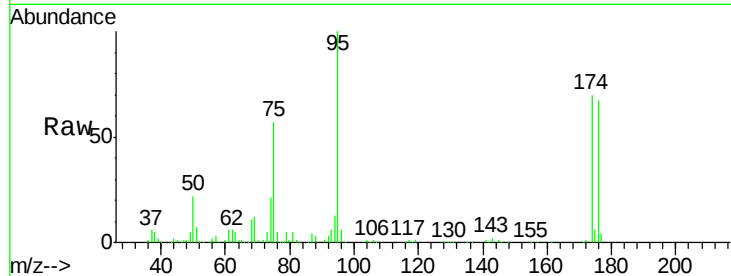




#76
 1,2,3-Trichloropropane
 Concen: 30.791 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.15 min
 Lab File: VN064650.D
 Acq: 16 Nov 2020 9:54

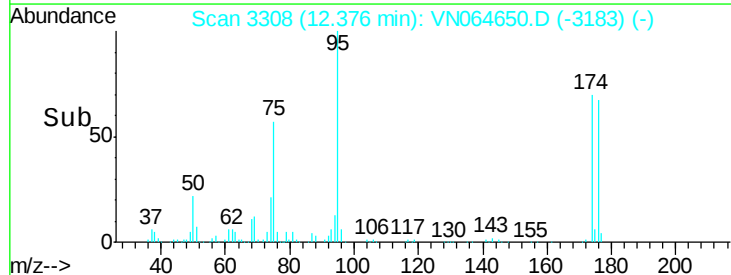
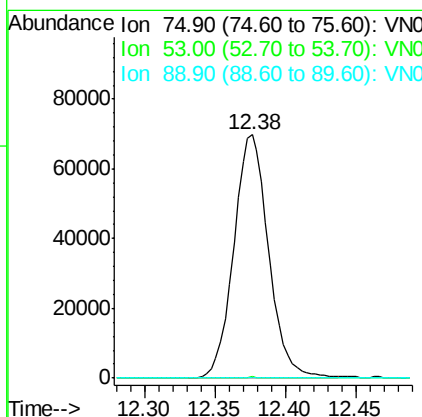
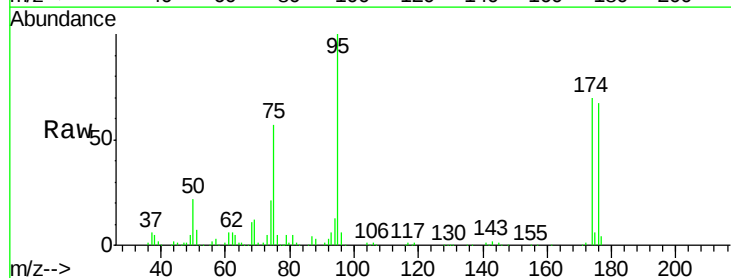
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116MBL01

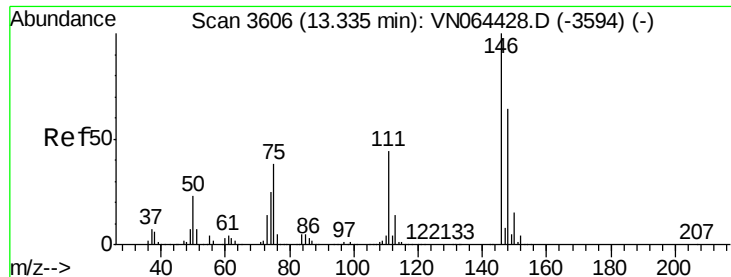
Tot Ion: 75 Resp: 120522
 Ion Ratio Lower Upper
 75 100
 77 0.6 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 85.971 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.10 min
 Lab File: VN064650.D
 Acq: 16 Nov 2020 9:54

Tgt Ion: 75 Resp: 120522
 Ion Ratio Lower Upper
 75 100
 53 0.3 84.0 126.0#
 89 0.0 36.3 54.5#





#88

1,4-Dichlorobenzene

Concen: 0.208 ug/l

RT: 13.33 min Scan# 3606

Delta R.T. -0.00 min

Lab File: VN064650.D

Acq: 16 Nov 2020 9:54

Instrument :

MSVOA_N

ClientSampleId :

VN1116MBL01

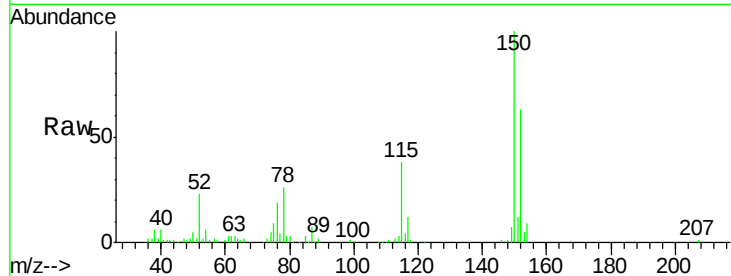
Tot Ion:146 Resp: 1167

Ion Ratio Lower Upper

146 100

111 248.7 21.8 65.3#

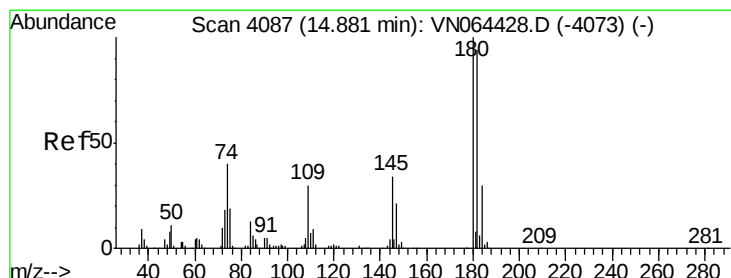
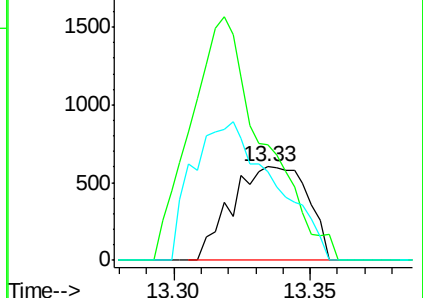
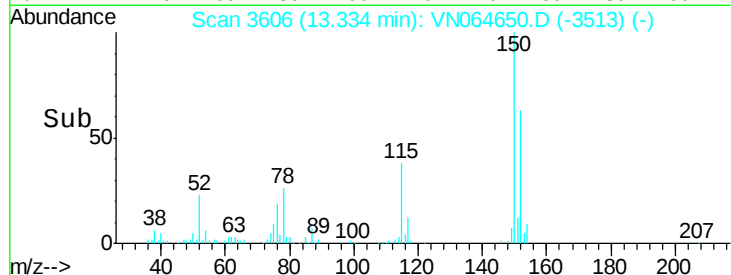
148 157.9 32.4 97.2#



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#93

1,2,4-Trichlorobenzene

Concen: 2.931 ug/l

RT: 14.88 min Scan# 4087

Delta R.T. -0.00 min

Lab File: VN064650.D

Acq: 16 Nov 2020 9:54

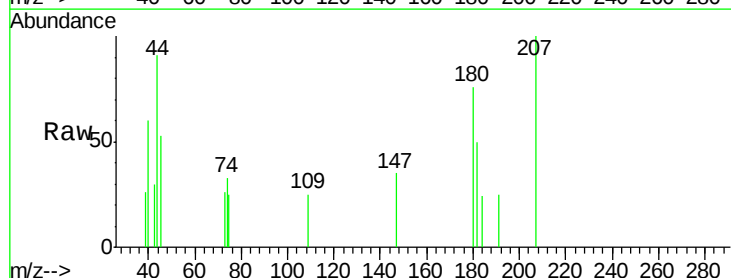
Tgt Ion:180 Resp: 732

Ion Ratio Lower Upper

180 100

182 61.1 47.3 142.0

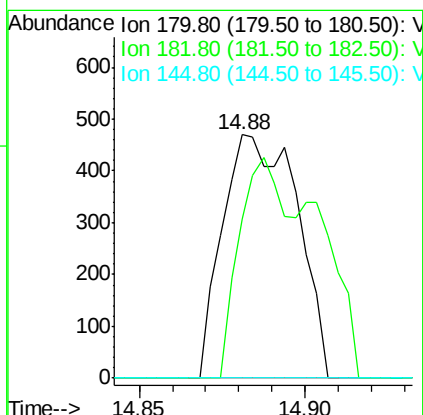
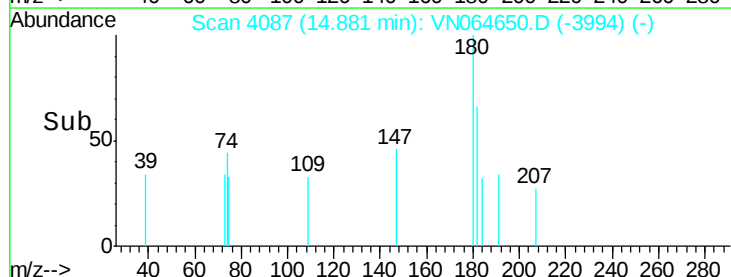
145 0.0 16.7 50.1#

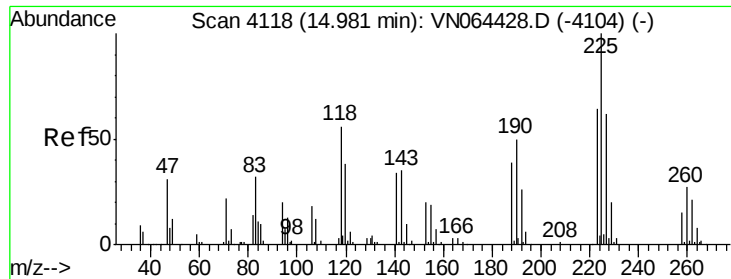


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

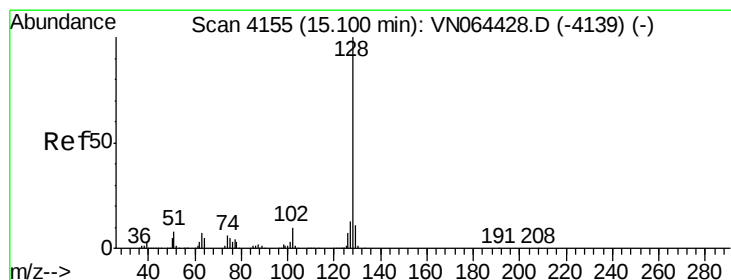
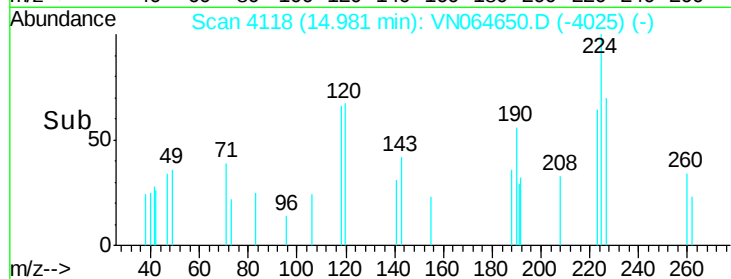
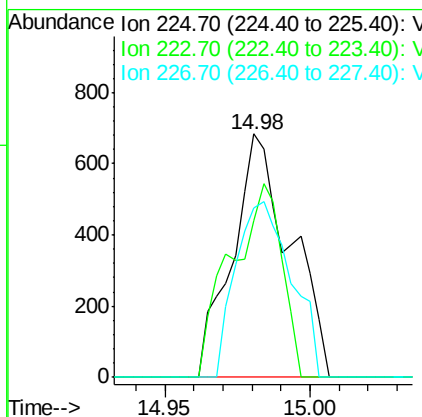
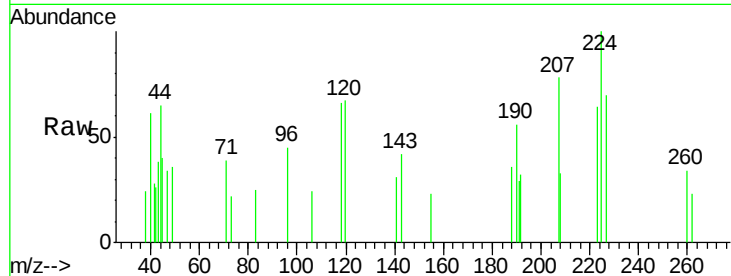




#94
Hexachlorobutadiene
Concen: 0.894 ug/l
RT: 14.98 min Scan# 4118
Delta R.T. -0.00 min
Lab File: VN064650.D
Acq: 16 Nov 2020 9:54

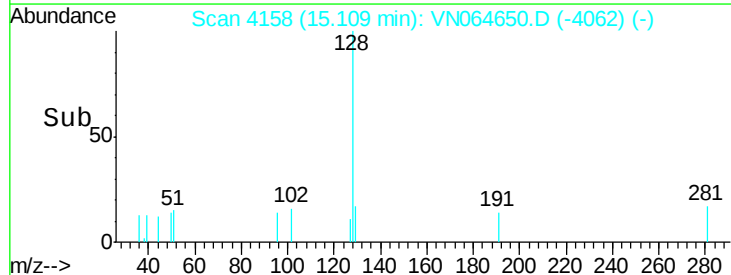
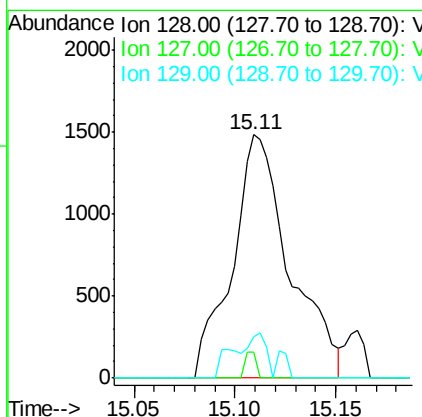
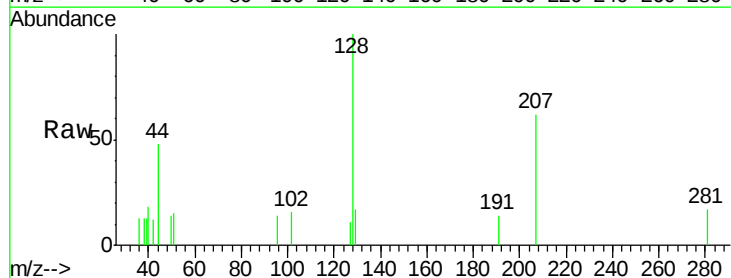
Instrument :
MSVOA_N
ClientSampled :
VN1116MBL01

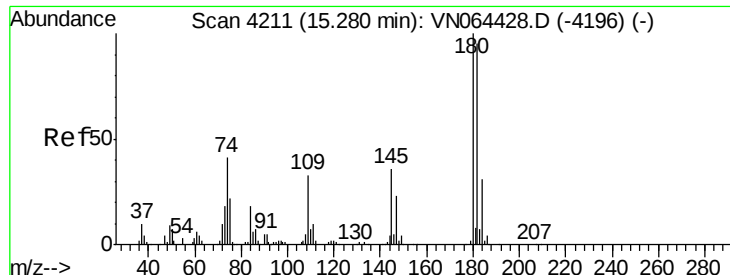
Tot Ion:225 Resp: 949
Ion Ratio Lower Upper
225 100
223 70.3 31.8 95.4
227 69.1 31.8 95.4



#95
Naphthalene
Concen: 3.931 ug/l
RT: 15.11 min Scan# 4158
Delta R.T. 0.01 min
Lab File: VN064650.D
Acq: 16 Nov 2020 9:54

Tgt Ion:128 Resp: 2944
Ion Ratio Lower Upper
128 100
127 2.0 10.5 15.7#
129 5.8 8.8 13.2#





#96

1,2,3-Trichlorobenzene

Concen: 3.043 ug/l

RT: 15.27 min Scan# 4209

Delta R.T. -0.01 min

Lab File: VN064650.D

Acq: 16 Nov 2020 9:54

Instrument :

MSVOA_N

ClientSampleId :

VN1116MBL01

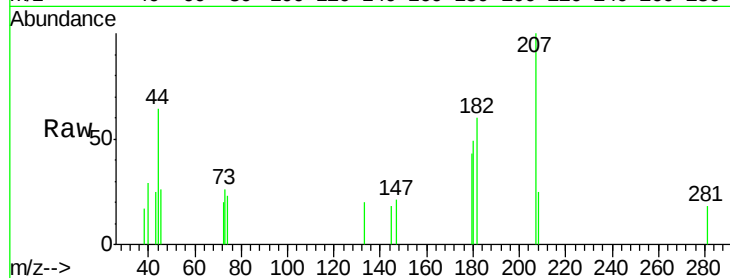
Tot Ion:180 Resp: 710

Ion Ratio Lower Upper

180 100

182 190.0 47.7 143.1#

145 54.9 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

