

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111320\
 Data File : VN064624.D
 Acq On : 13 Nov 2020 11:37
 Operator : JC/MD
 Sample : VN1113WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1113WBL01

Quant Time: Nov 17 01:55:36 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	236852	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	512261	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	514133	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	183063	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	240705	58.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.68%	
35) Dibromofluoromethane	7.55	113	178892	51.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.58%	
50) Toluene-d8	10.06	98	632916	46.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.90%	
62) 4-Bromofluorobenzene	12.38	95	228727	44.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.74%	

Target Compounds

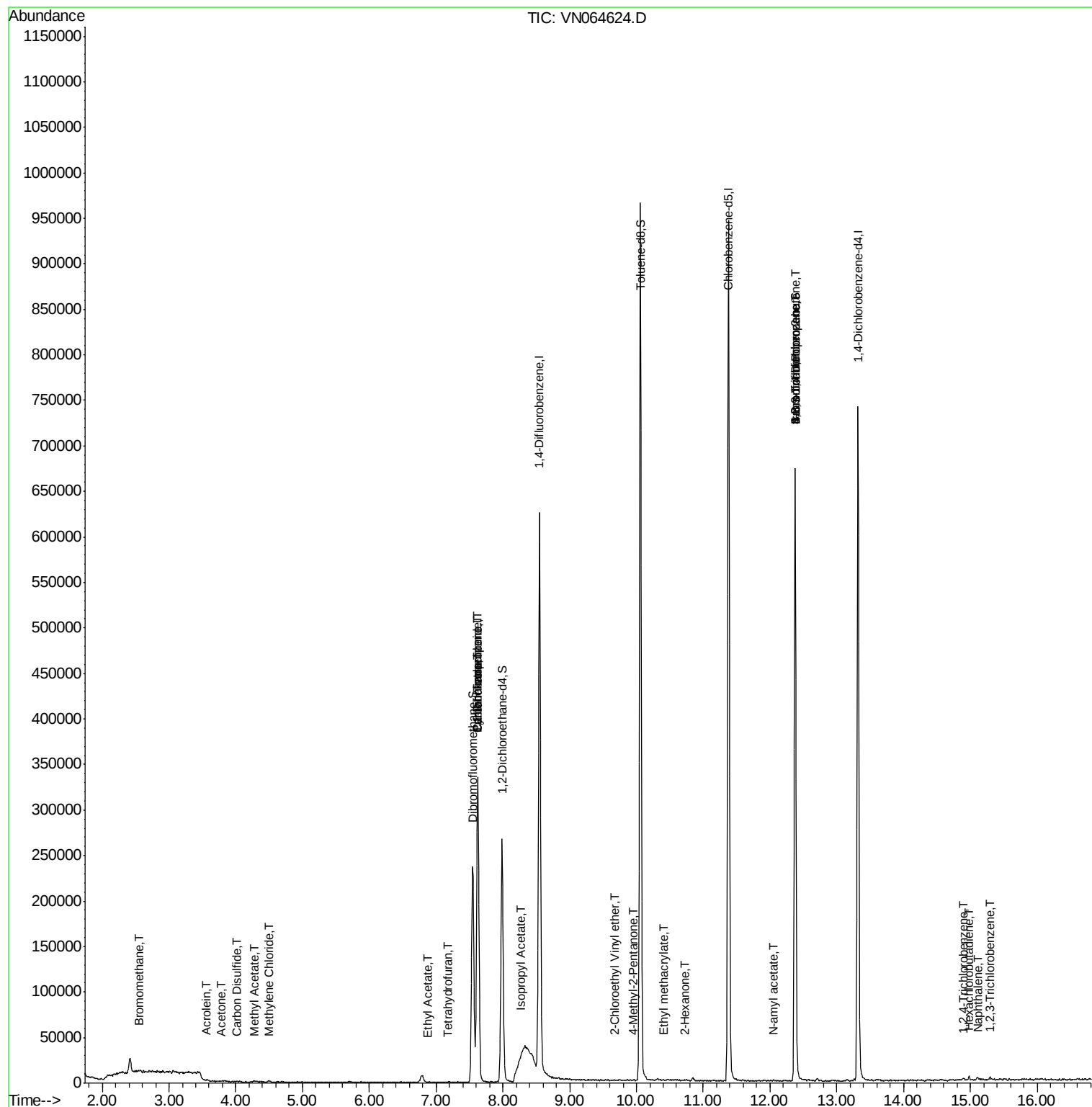
						Qvalue
5) Bromomethane	2.55	94	741	0.302	ug/l #	39
13) Acrolein	3.56	56	116	0.411	ug/l #	1
16) Acetone	3.77	43	665	0.423	ug/l #	48
17) Carbon Disulfide	4.00	76	1517	0.200	ug/l #	76
18) Methyl Acetate	4.28	43	1469	0.475	ug/l #	85
20) Methylene Chloride	4.50	84	762	0.244	ug/l #	85
29) Tetrahydrofuran	7.17	42	281	0.229	ug/l #	46
31) Cyclohexane	7.63	56	8142	1.623	ug/l #	38
36) 1,1-Dichloropropene	7.62	75	23219	4.291	ug/l #	53
37) Ethyl Acetate	6.88	43	63	0.774	ug/l #	71
38) Carbon Tetrachloride	7.62	117	28189	4.874	ug/l #	16
43) Isopropyl Acetate	8.26	43	33809	3.855	ug/l #	64
51) 4-Methyl-2-Pentanone	9.95	43	1289	0.252	ug/l #	39
56) Ethyl methacrylate	10.41	69	67	1.851	ug/l #	16
58) 2-Chloroethyl Vinyl ether	9.69	63	29	21.547	ug/l #	51
59) 2-Hexanone	10.71	43	400	4.122	ug/l #	28
71) Bromoform	12.37	173	278	1.361	ug/l #	1
74) N-amyl acetate	12.04	43	768	1.321	ug/l #	51
76) 1,2,3-Trichloropropane	12.37	75	130469	29.415	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.37	75	130469	82.130	ug/l #	8
93) 1,2,4-Trichlorobenzene	14.88	180	436	2.804	ug/l #	22
94) Hexachlorobutadiene	14.98	225	702	0.584	ug/l #	74
95) Naphthalene	15.12	128	2896	3.890	ug/l #	87
96) 1,2,3-Trichlorobenzene	15.28	180	959	3.094	ug/l #	90

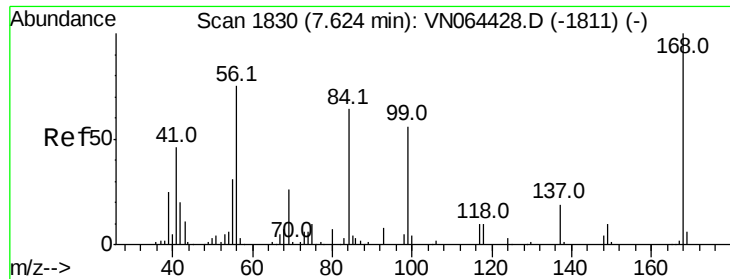
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 17 01:55:36 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: VN064624.D

Acq: 13 Nov 2020 11:37

Instrument :

MSVOA_N

ClientSampleId :

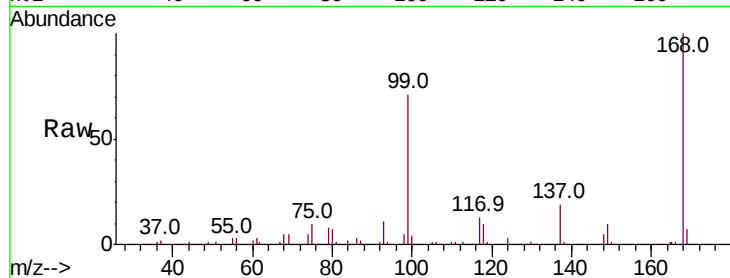
VN1113WBL01

Tot Ion:168 Resp: 236852

Ion Ratio Lower Upper

168 100

99 70.6 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) (-)

7.62

100000

80000

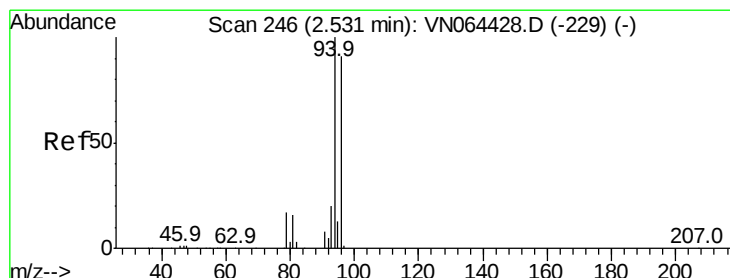
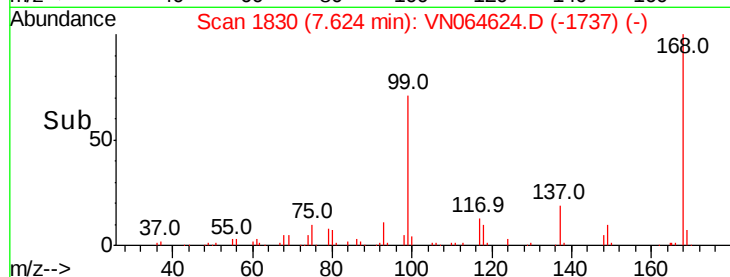
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.302 ug/l

RT: 2.55 min Scan# 251

Delta R.T. 0.02 min

Lab File: VN064624.D

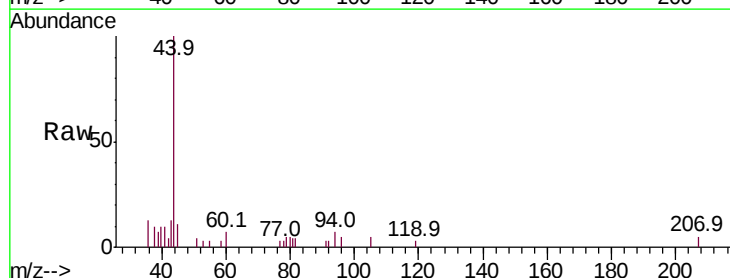
Acq: 13 Nov 2020 11:37

Tgt Ion: 94 Resp: 741

Ion Ratio Lower Upper

94 100

96 33.6 73.1 109.7#



Abundance Ion 93.90 (93.60 to 94.60): VN064428.D (-229) (-)

Ion 95.90 (95.60 to 96.60): VN064428.D (-229) (-)

2.55

400

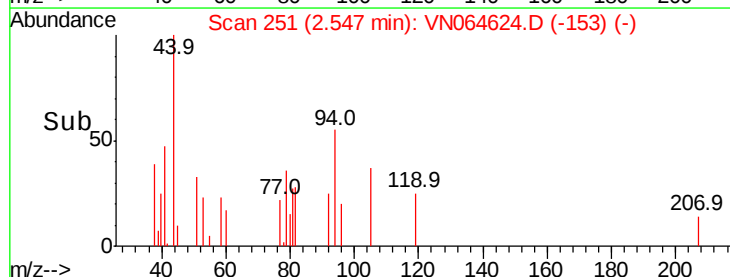
300

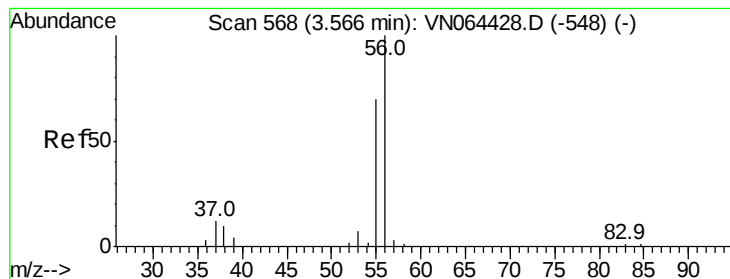
200

100

0

Time-->





#13

Acrolein

Concen: 0.411 ug/l

RT: 3.56 min Scan# 566

Delta R.T. -0.01 min

Lab File: VN064624.D

Acq: 13 Nov 2020 11:37

Instrument :

MSVOA_N

ClientSampleId :

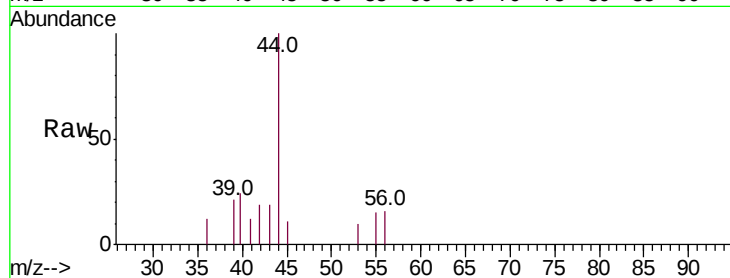
VN1113WBL01

Tot Ion: 56 Resp: 116

Ion Ratio Lower Upper

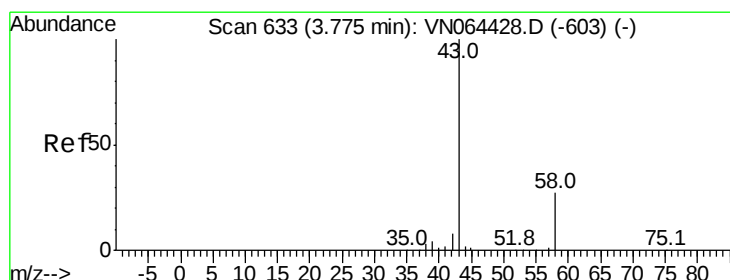
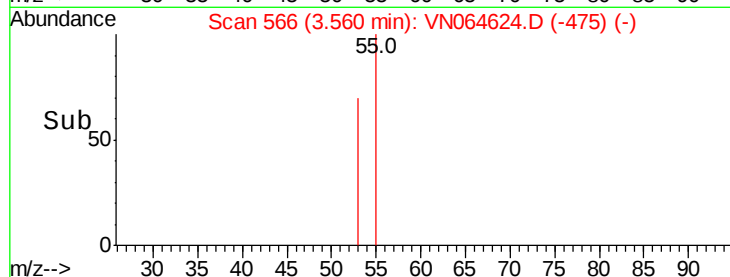
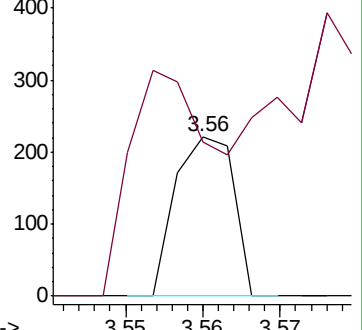
56 100

55 202.6 55.9 83.9#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#16

Acetone

Concen: 0.423 ug/l

RT: 3.77 min Scan# 632

Delta R.T. -0.00 min

Lab File: VN064624.D

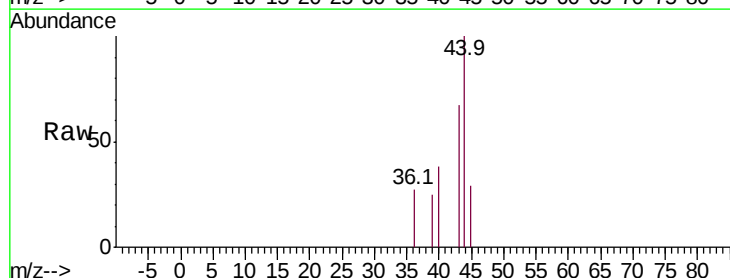
Acq: 13 Nov 2020 11:37

Tgt Ion: 43 Resp: 665

Ion Ratio Lower Upper

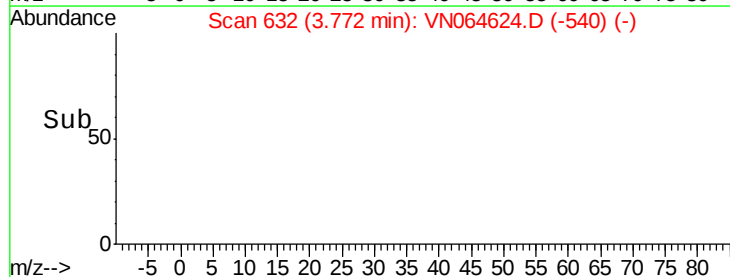
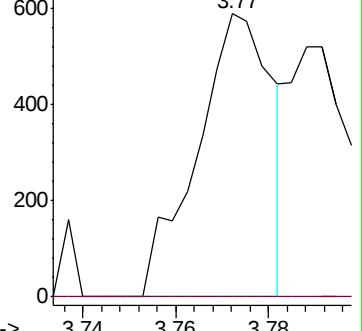
43 100

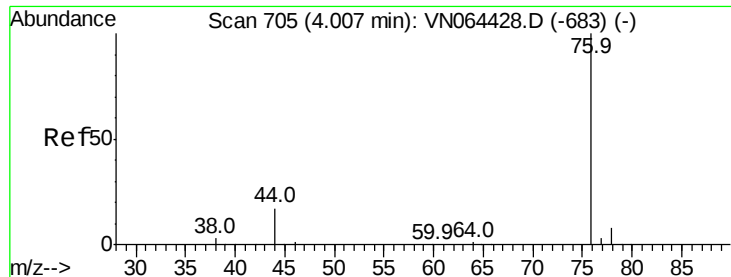
58 0.0 21.4 32.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

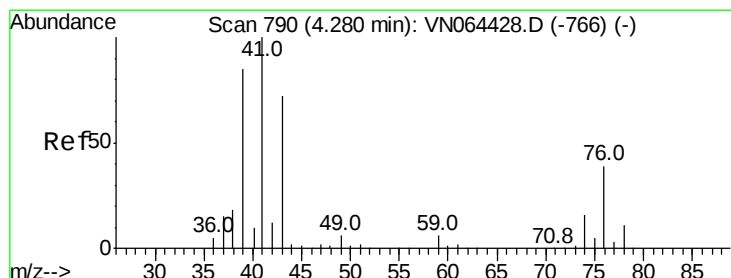
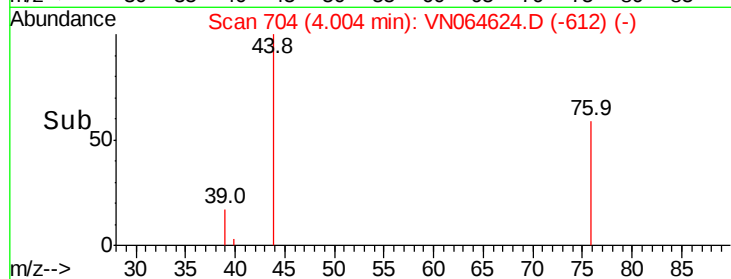
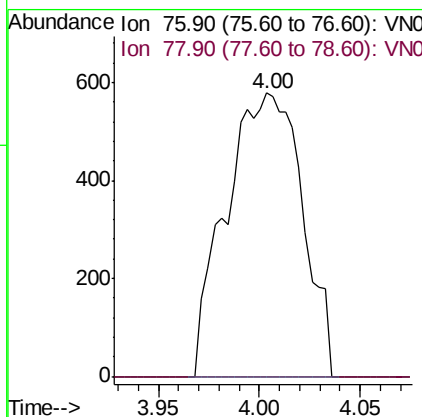
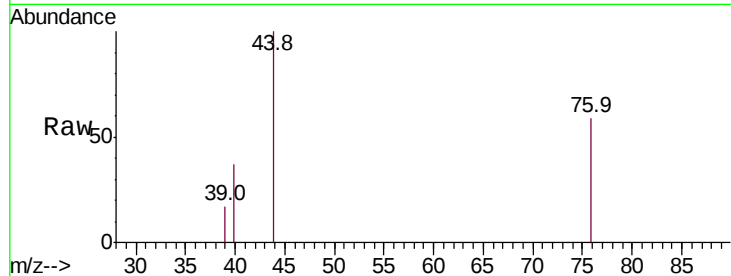




#17
Carbon Disulfide
Concen: 0.200 ug/l
RT: 4.00 min Scan# 704
Delta R.T. -0.00 min
Lab File: VN064624.D
Acq: 13 Nov 2020 11:37

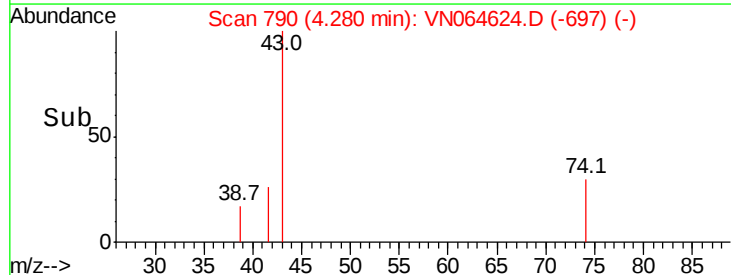
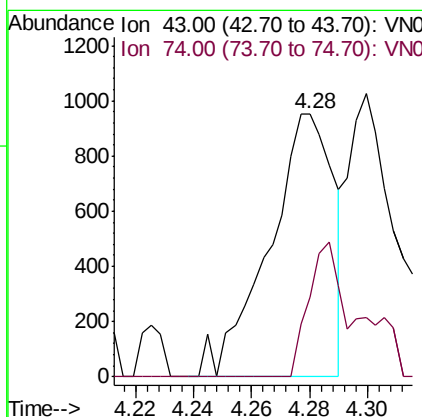
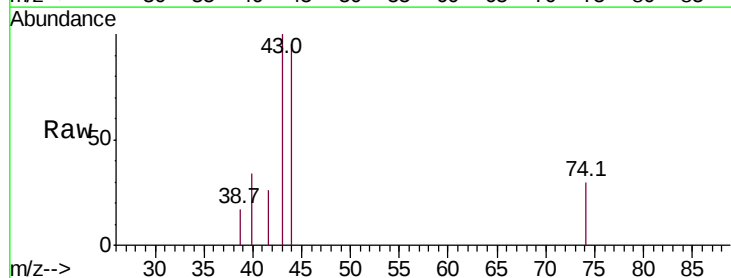
Instrument :
MSVOA_N
ClientSampleId :
VN1113WBL01

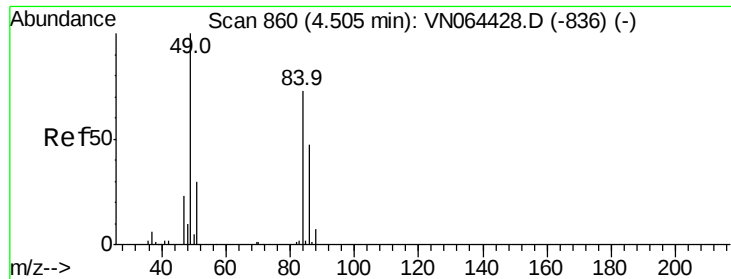
Tot Ion: 76 Resp: 1517
Ion Ratio Lower Upper
76 100
78 0.0 6.8 10.2#



#18
Methyl Acetate
Concen: 0.475 ug/l
RT: 4.28 min Scan# 790
Delta R.T. -0.00 min
Lab File: VN064624.D
Acq: 13 Nov 2020 11:37

Tgt Ion: 43 Resp: 1469
Ion Ratio Lower Upper
43 100
74 28.0 17.0 25.4#





#20

Methvlene Chloride

Concen: 0.244 ug/l

RT: 4.50 min Scan# 857

Delta R.T. -0.01 min

Lab File: VN064624.D

Acq: 13 Nov 2020 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN1113WBL01

Tot Ion: 84 Resp: 762

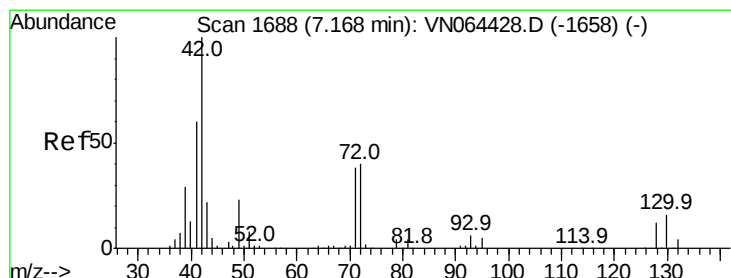
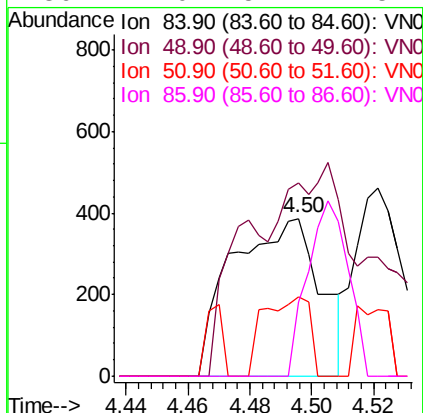
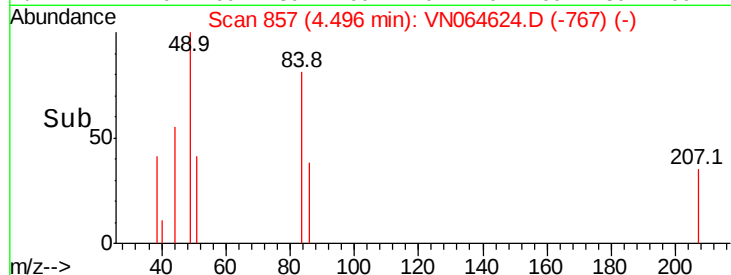
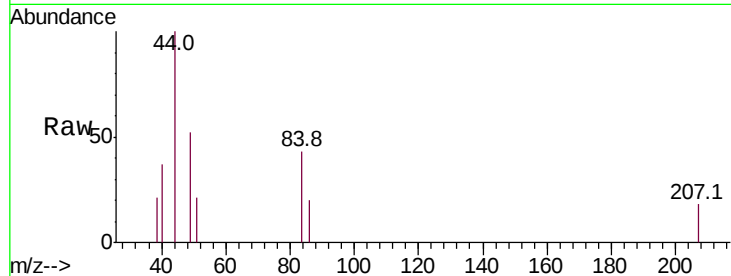
Ion Ratio Lower Upper

84 100

49 122.7 110.1 165.1

51 50.4 33.6 50.4

86 47.0 52.1 78.1#



#29

Tetrahydrofuran

Concen: 0.229 ug/l

RT: 7.17 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VN064624.D

Acq: 13 Nov 2020 11:37

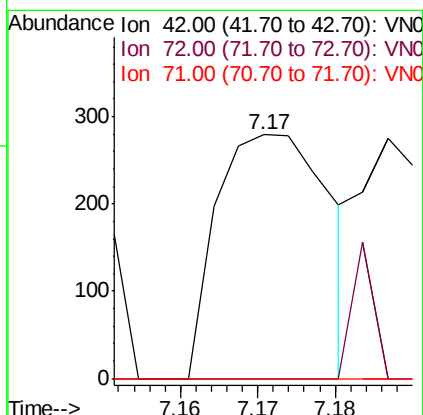
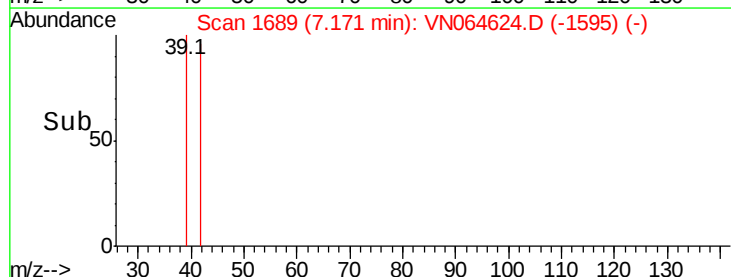
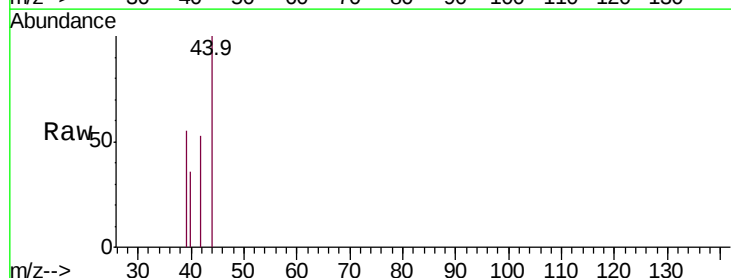
Tgt Ion: 42 Resp: 281

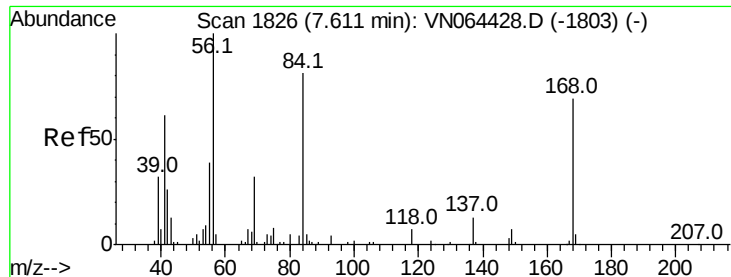
Ion Ratio Lower Upper

42 100

72 10.7 31.7 47.5#

71 0.0 29.8 44.6#

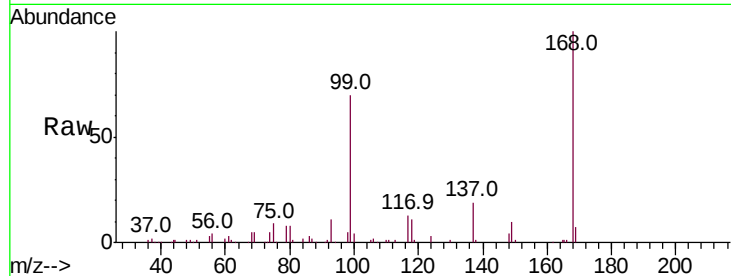




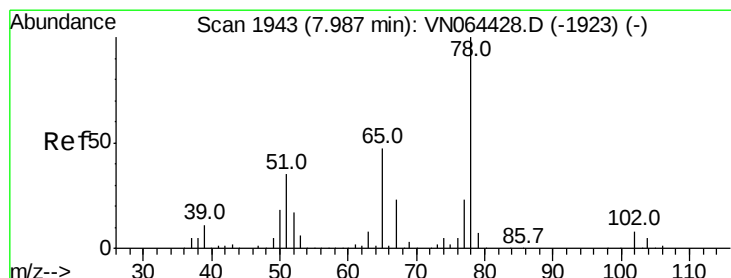
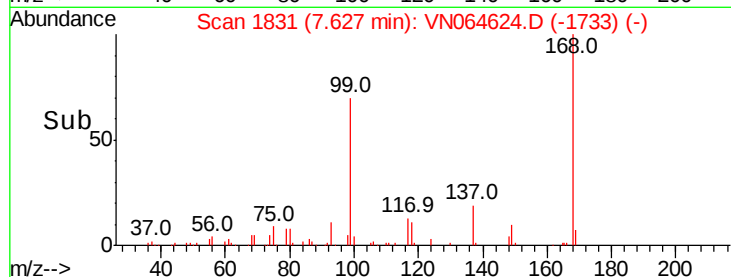
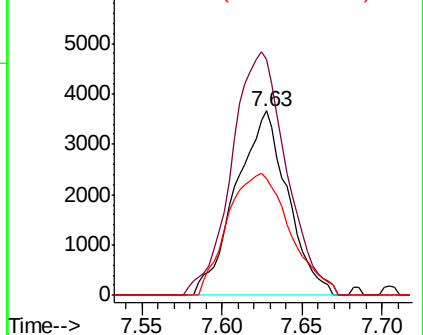
#31
Cyclohexane
Concen: 1.623 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. 0.02 min
Lab File: VN064624.D
Acq: 13 Nov 2020 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBL01

Tot Ion: 56 Resp: 8142
Ion Ratio Lower Upper
56 100
69 128.0 25.6 38.4#
84 63.4 63.0 94.6

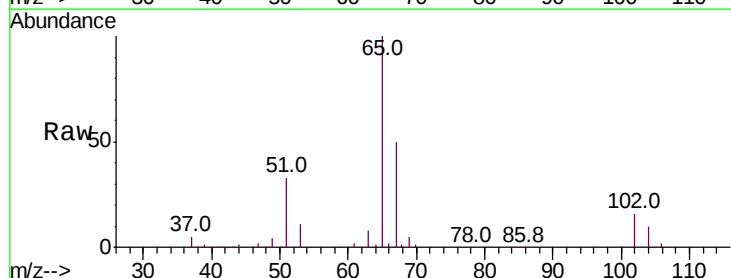


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

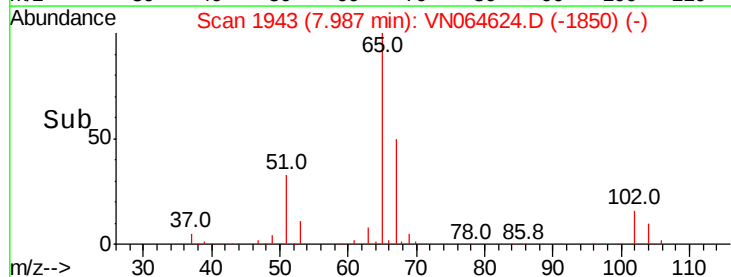
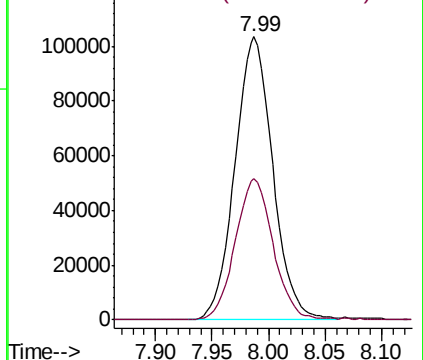


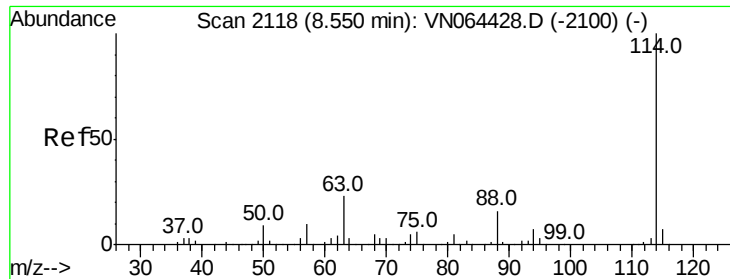
#33
1,2-Dichloroethane-d4
Concen: 58.344 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN064624.D
Acq: 13 Nov 2020 11:37

Tgt Ion: 65 Resp: 240705
Ion Ratio Lower Upper
65 100
67 49.9 0.0 101.6



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

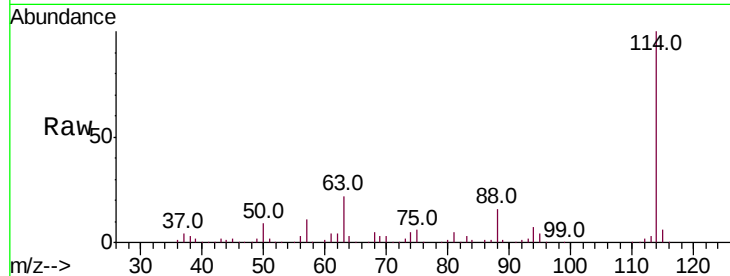




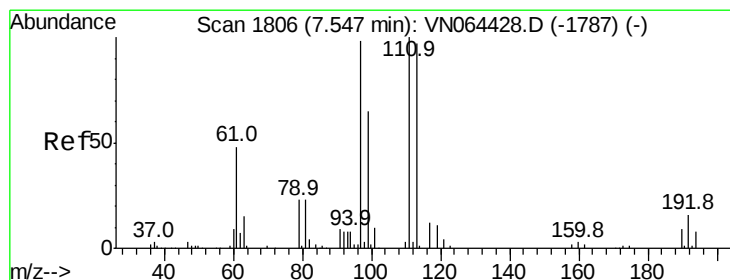
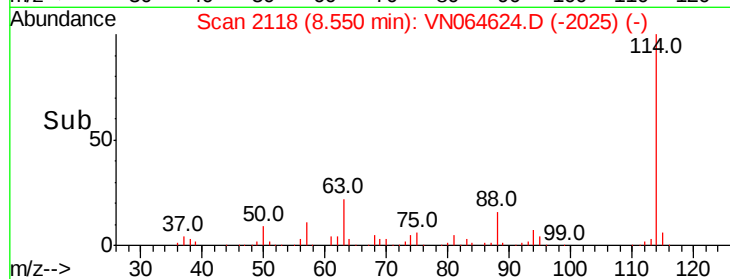
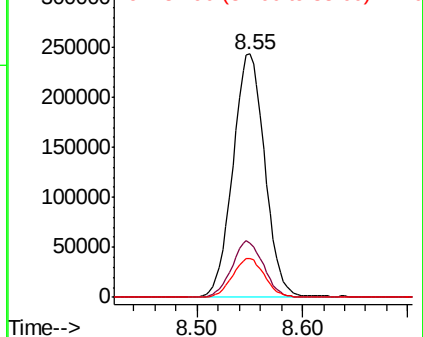
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN064624.D
 Acq: 13 Nov 2020 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1113WBL01

Tot Ion:114 Resp: 512261
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 45.6
 88 16.1 0.0 32.8

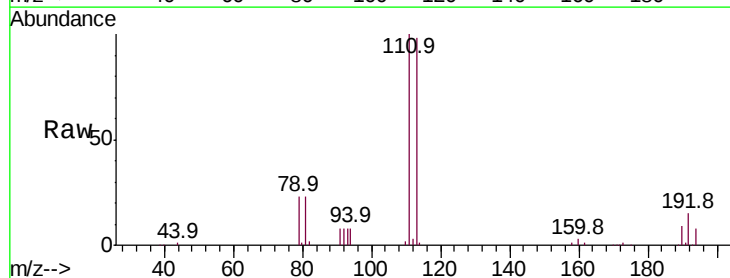


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

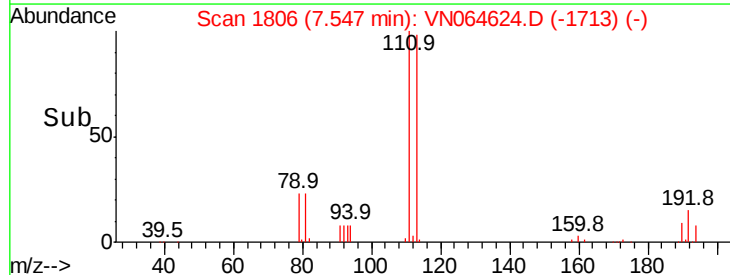
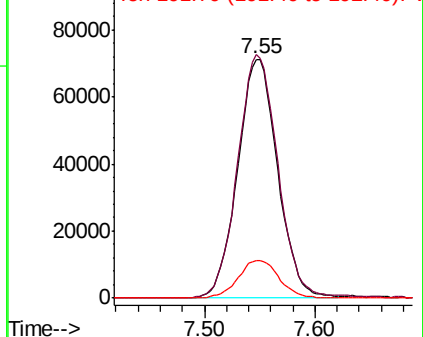


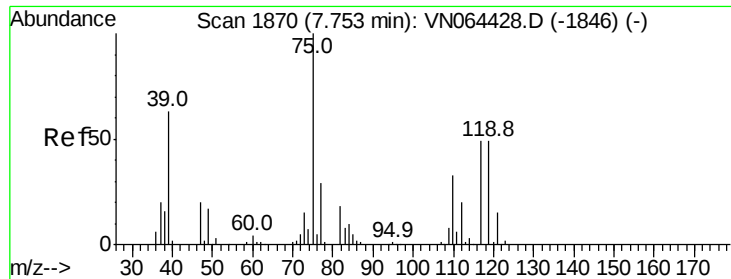
#35
 Dibromofluoromethane
 Concen: 51.291 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN064624.D
 Acq: 13 Nov 2020 11:37

Tgt Ion:113 Resp: 178892
 Ion Ratio Lower Upper
 113 100
 111 102.5 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

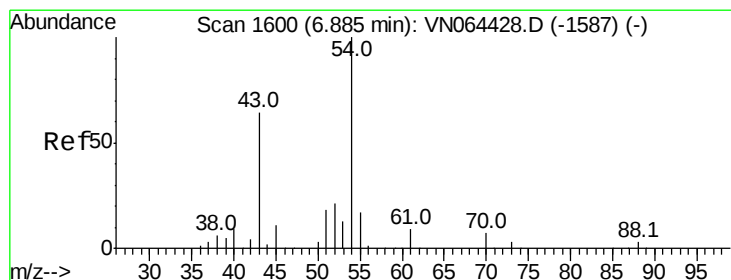
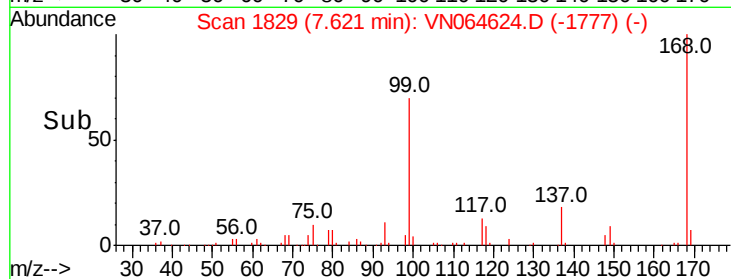
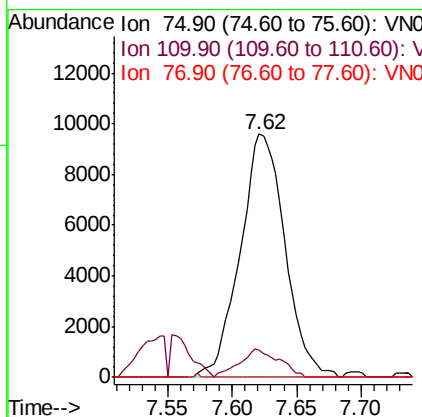
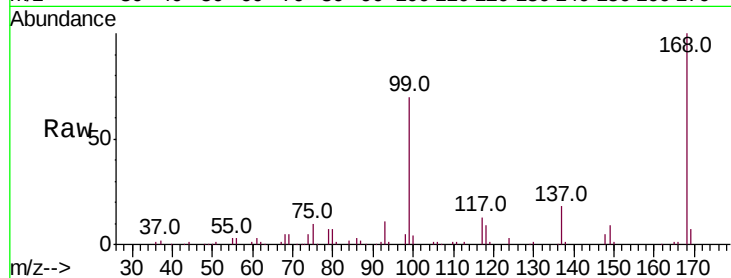




#36
 1,1-Dichloropropene
 Concen: 4.291 ug/l
 RT: 7.62 min Scan# 1829
 Delta R.T. -0.13 min
 Lab File: VN064624.D
 Acq: 13 Nov 2020 11:37

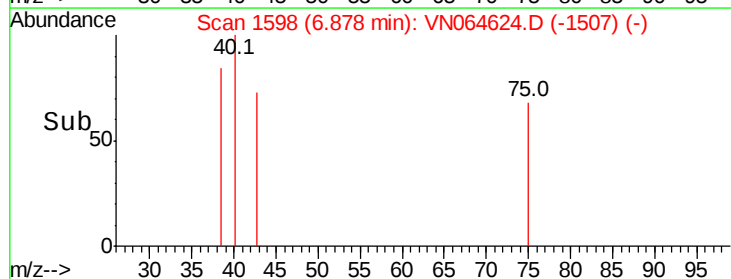
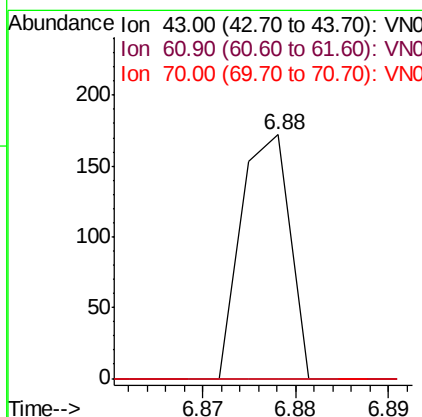
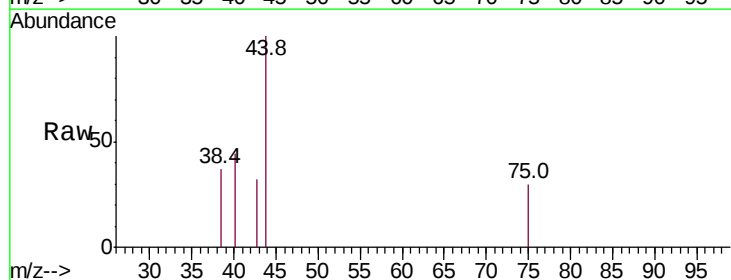
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1113WBL01

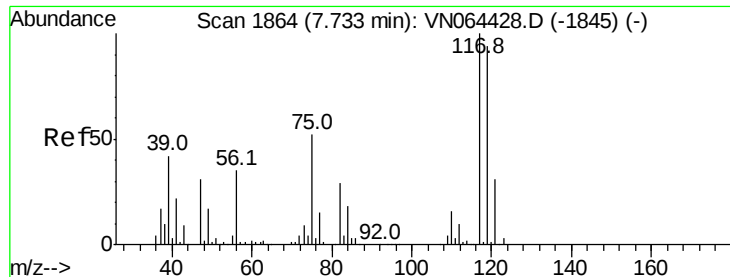
Tot Ion: 75 Resp: 23219
 Ion Ratio Lower Upper
 75 100
 110 10.3 16.0 48.0#
 77 0.0 24.0 36.0#



#37
 Ethyl Acetate
 Concen: 0.774 ug/l
 RT: 6.88 min Scan# 1598
 Delta R.T. -0.01 min
 Lab File: VN064624.D
 Acq: 13 Nov 2020 11:37

Tgt Ion: 43 Resp: 63
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.0 15.0#
 70 0.0 7.1 10.7#





#38

Carbon Tetrachloride

Concen: 4.874 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.11 min

Lab File: VN064624.D

Acq: 13 Nov 2020 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN1113WBL01

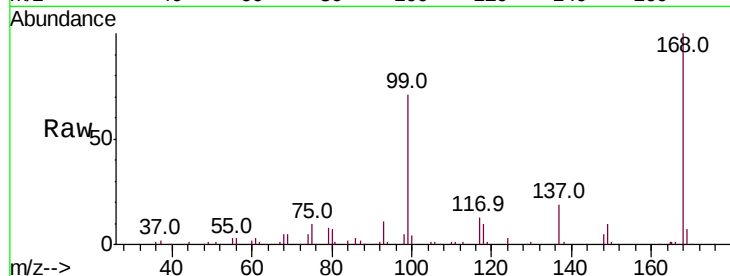
Tot Ion:117 Resp: 28189

Ion Ratio Lower Upper

117 100

119 4.4 75.5 113.3#

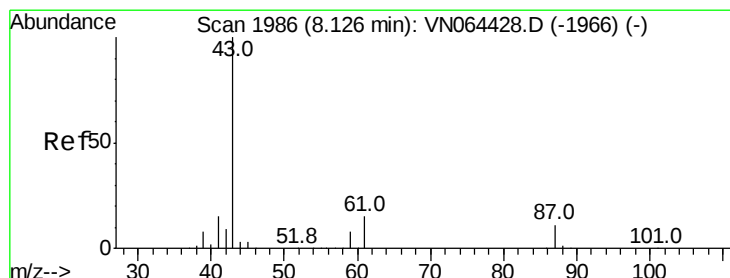
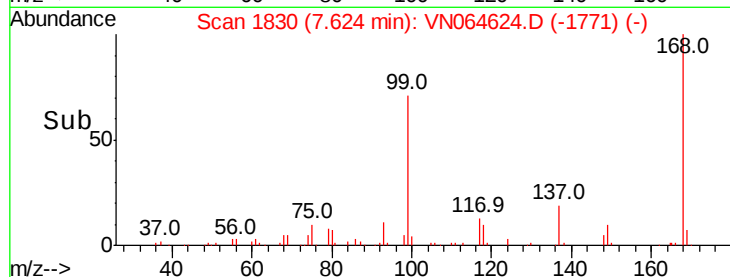
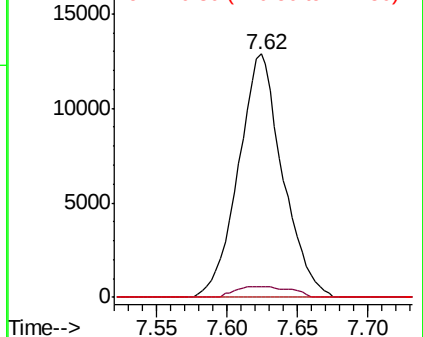
121 0.0 24.4 36.6#



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: 3.855 ug/l

RT: 8.26 min Scan# 2029

Delta R.T. 0.14 min

Lab File: VN064624.D

Acq: 13 Nov 2020 11:37

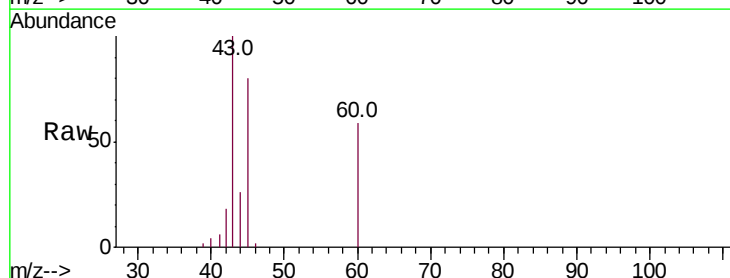
Tgt Ion: 43 Resp: 33809

Ion Ratio Lower Upper

43 100

61 0.0 14.0 21.0#

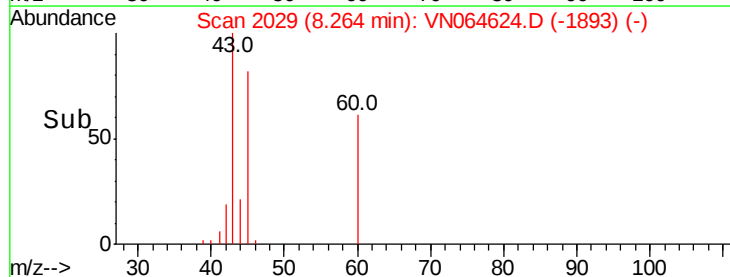
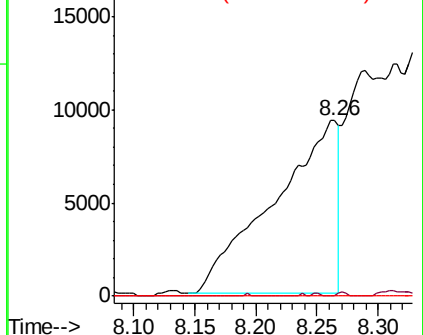
87 0.0 9.1 13.7#

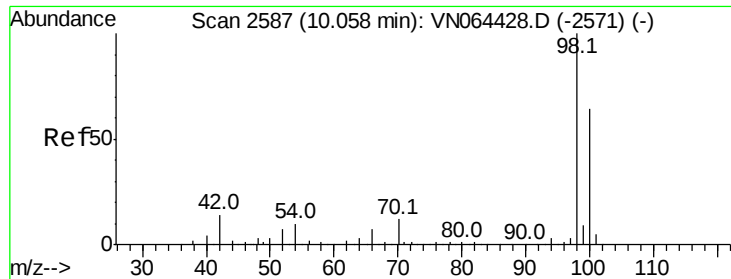


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#50

Toluene-d8

Concen: 46.951 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN064624.D

Acq: 13 Nov 2020 11:37

Instrument :

MSVOA_N

ClientSampleId :

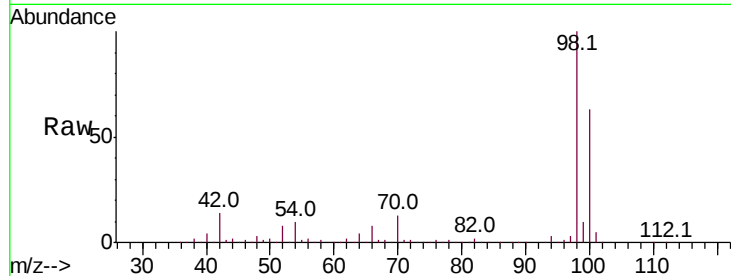
VN1113WBL01

Tot Ion: 98 Resp: 632916

Ion Ratio Lower Upper

98 100

100 63.0 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.06

400000

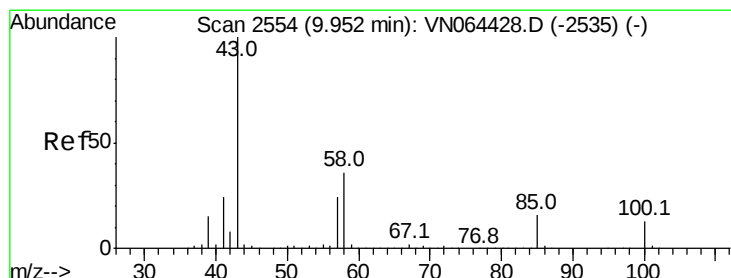
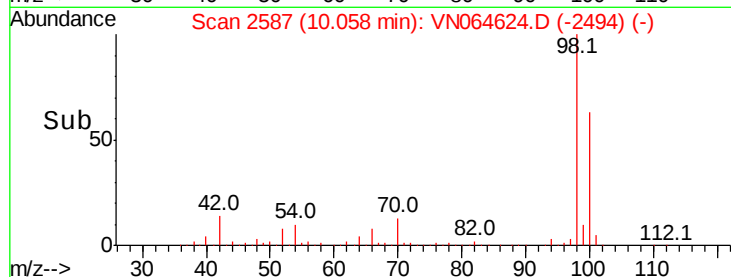
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.252 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN064624.D

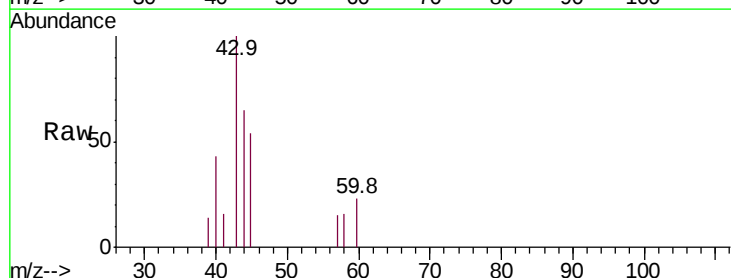
Acq: 13 Nov 2020 11:37

Tgt Ion: 43 Resp: 1289

Ion Ratio Lower Upper

43 100

58 0.0 28.4 42.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

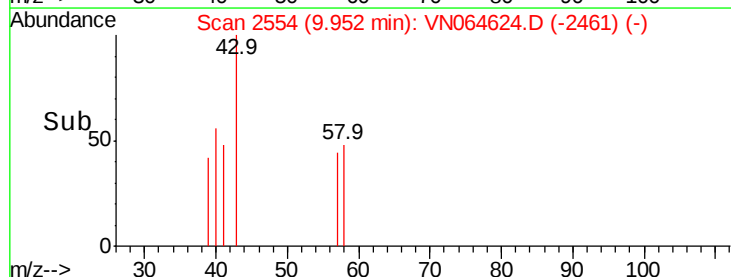
9.95

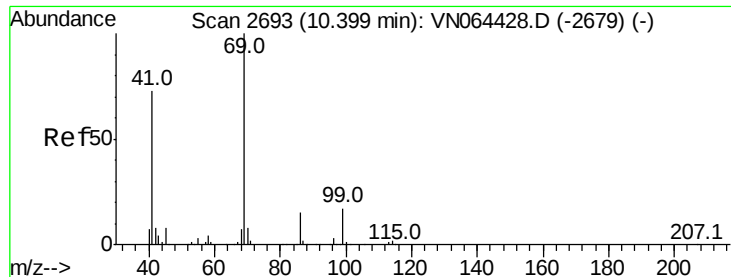
1000

500

0

Time-->





#56

Ethyl methacrylate

Concen: 1.851 ug/l

RT: 10.41 min Scan# 2697

Delta R.T. 0.01 min

Lab File: VN064624.D

Acq: 13 Nov 2020 11:37

Instrument :

MSVOA_N

ClientSampled :

VN1113WBL01

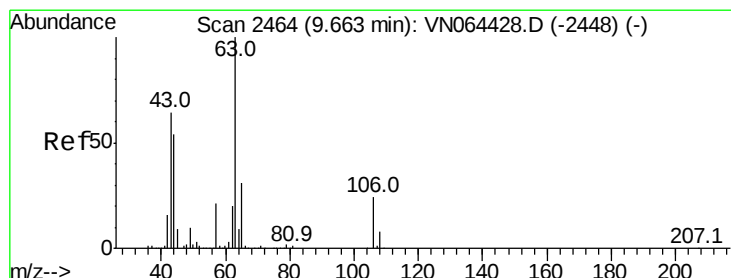
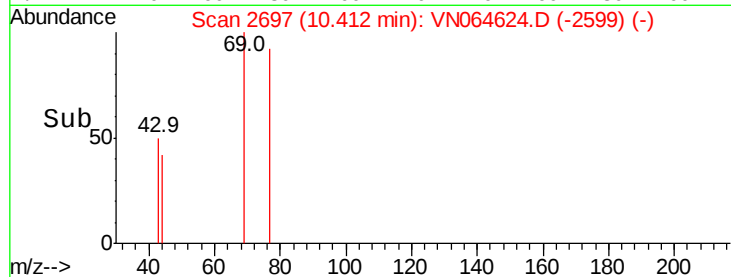
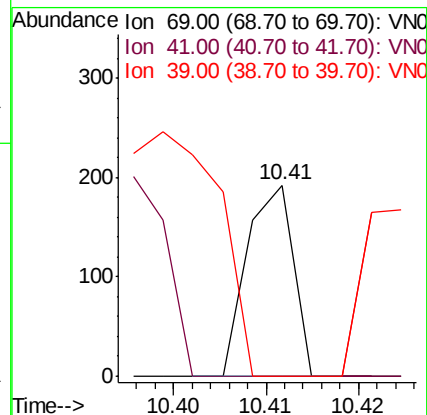
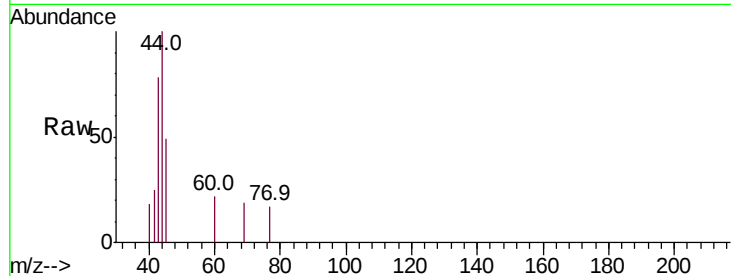
Tot Ion: 69 Resp: 67

Ion Ratio Lower Upper

69 100

41 0.0 59.3 88.9#

39 95.5 35.4 53.0#



#58

2-Chloroethyl Vinyl ether

Concen: 21.547 ug/l

RT: 9.69 min Scan# 2471

Delta R.T. 0.02 min

Lab File: VN064624.D

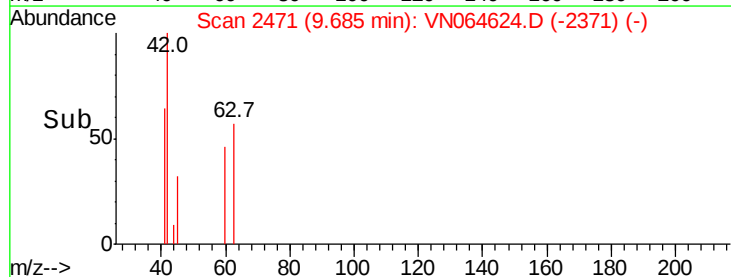
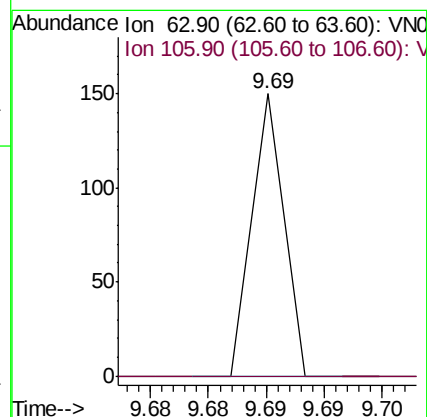
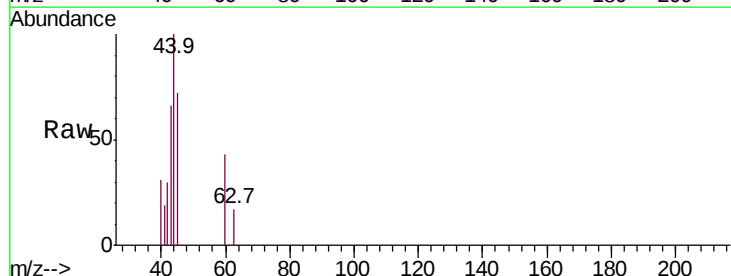
Acq: 13 Nov 2020 11:37

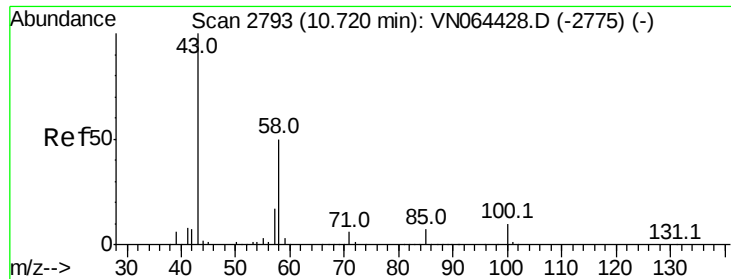
Tgt Ion: 63 Resp: 29

Ion Ratio Lower Upper

63 100

106 0.0 19.5 29.3#

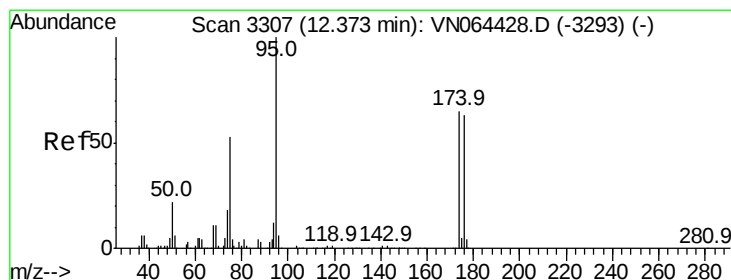
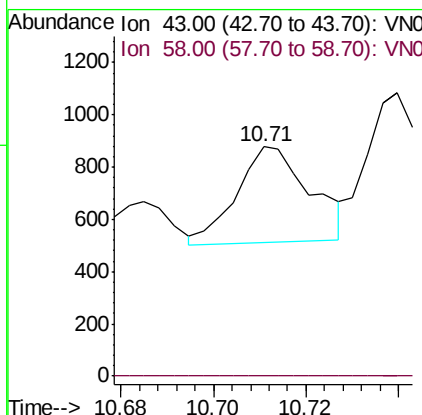
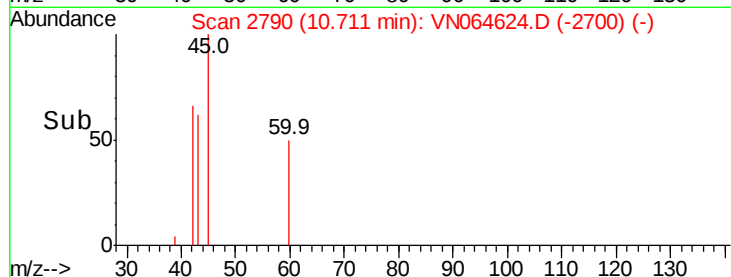
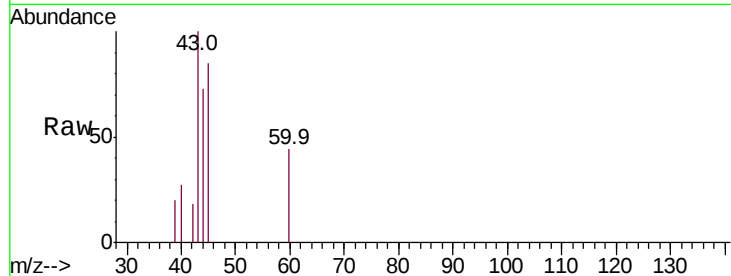




#59
2-Hexanone
Concen: 4.122 ug/l
RT: 10.71 min Scan# 2790
Delta R.T. -0.01 min
Lab File: VN064624.D
Acq: 13 Nov 2020 11:37

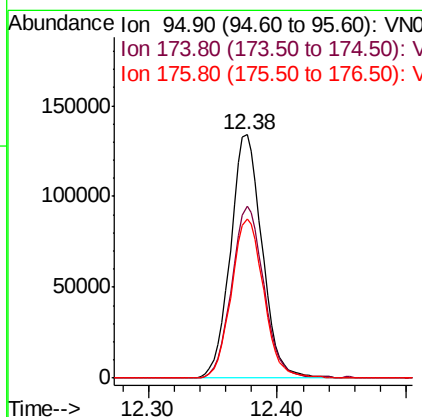
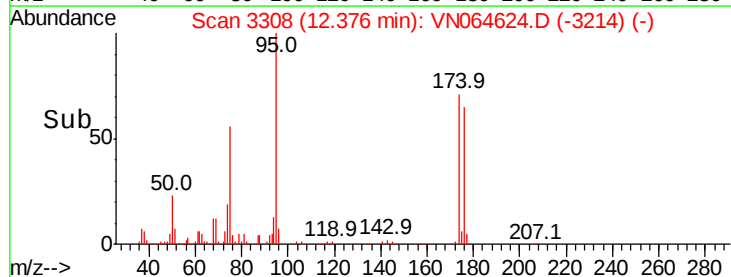
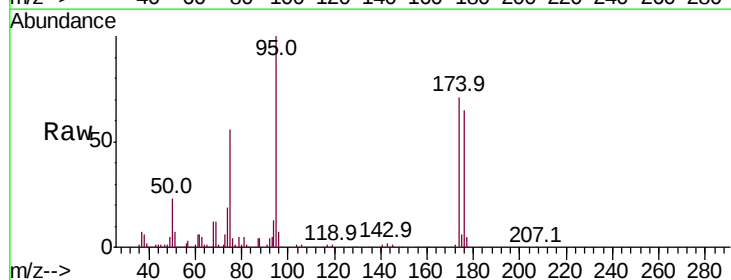
Instrument :
MSVOA_N
ClientSampleId :
VN1113WBL01

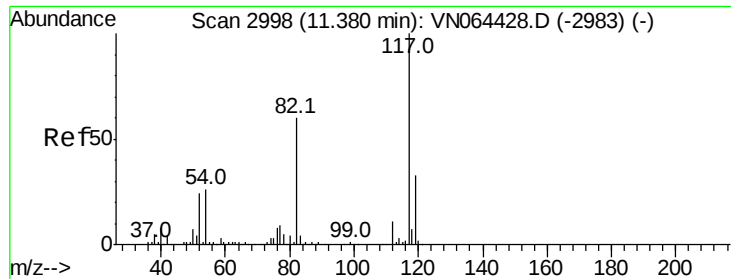
Tot Ion: 43 Resp: 400
Ion Ratio Lower Upper
43 100
58 0.0 24.7 74.1#



#62
4-Bromofluorobenzene
Concen: 44.865 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064624.D
Acq: 13 Nov 2020 11:37

Tgt Ion: 95 Resp: 228727
Ion Ratio Lower Upper
95 100
174 71.9 0.0 132.6
176 66.8 0.0 129.2

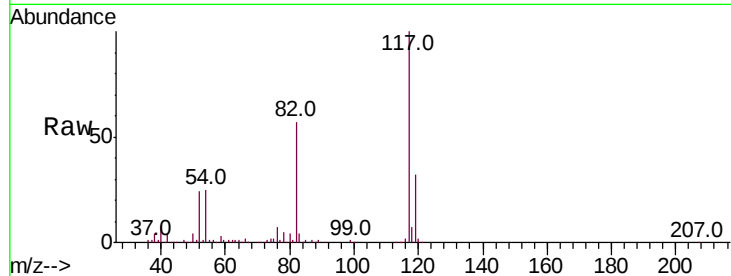




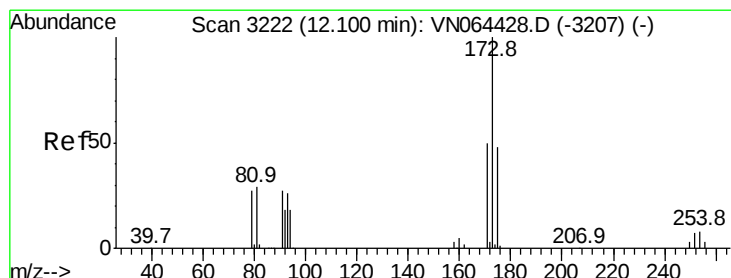
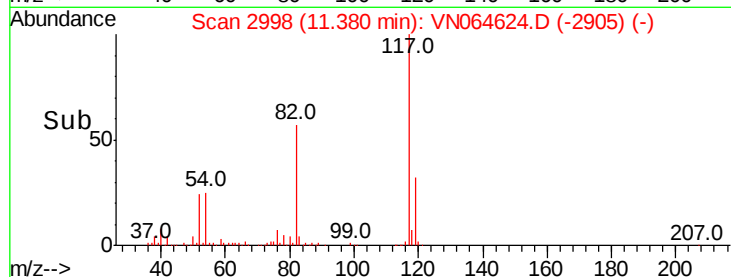
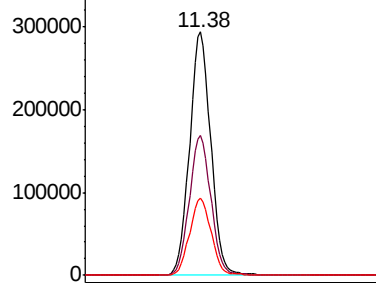
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064624.D
Acq: 13 Nov 2020 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBL01

Tot Ion:117 Resp: 514133
Ion Ratio Lower Upper
117 100
82 57.3 48.1 72.1
119 31.7 26.2 39.4

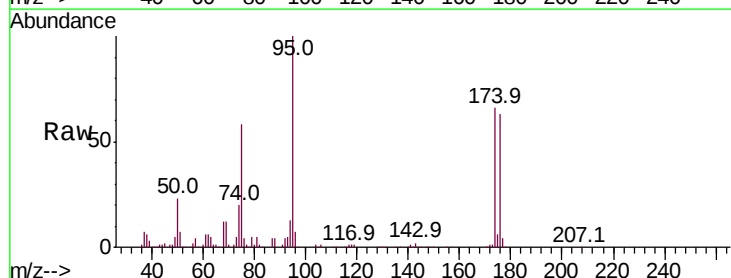


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

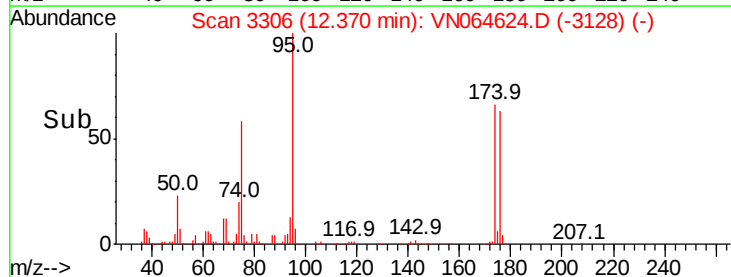
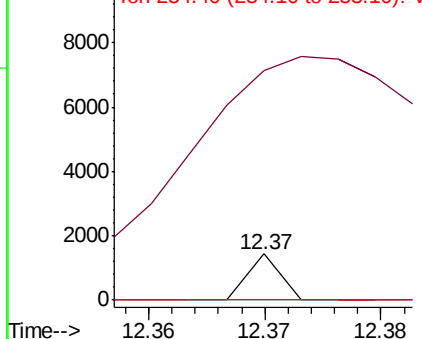


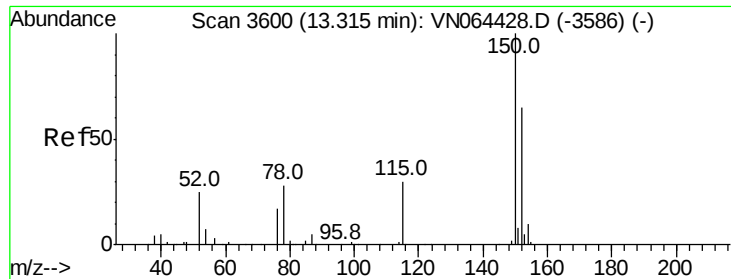
#71
Bromoform
Concen: 1.361 ug/l
RT: 12.37 min Scan# 3306
Delta R.T. 0.27 min
Lab File: VN064624.D
Acq: 13 Nov 2020 11:37

Tgt Ion:173 Resp: 278
Ion Ratio Lower Upper
173 100
175 3997.1 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: VN064624.D

Acq: 13 Nov 2020 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN1113WBL01

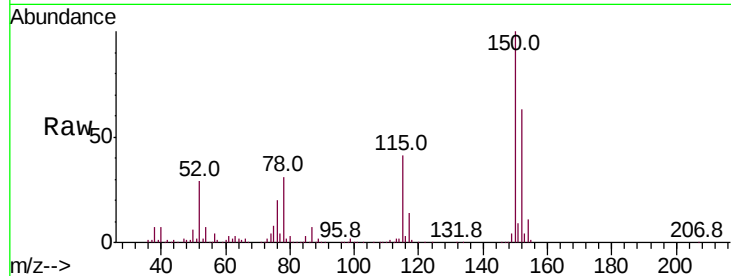
Tot Ion:152 Resp: 183063

Ion Ratio Lower Upper

152 100

115 64.7 32.0 96.0

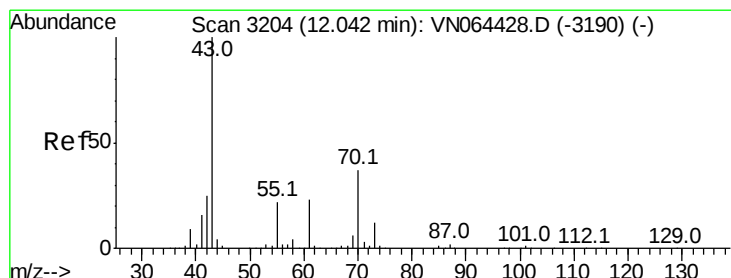
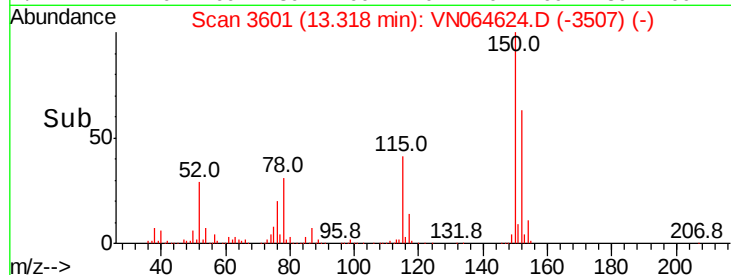
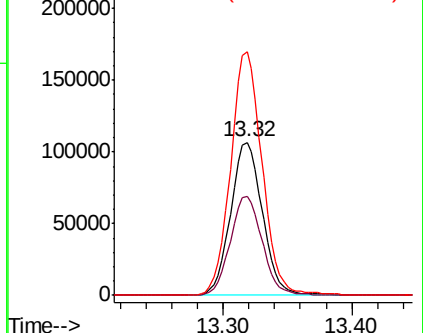
150 157.8 0.0 353.8



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: 1.321 ug/l

RT: 12.04 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VN064624.D

Acq: 13 Nov 2020 11:37

Tgt Ion: 43 Resp: 768

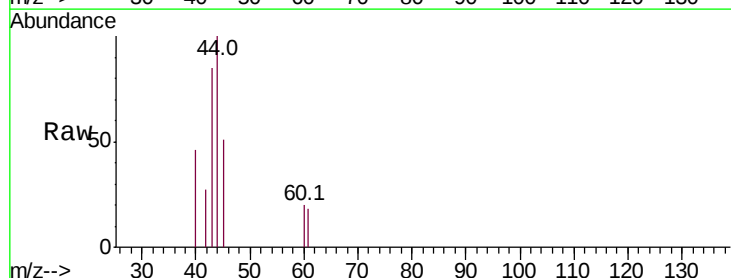
Ion Ratio Lower Upper

43 100

70 0.0 29.6 44.4#

55 0.0 18.4 27.6#

61 7.8 17.8 26.6#

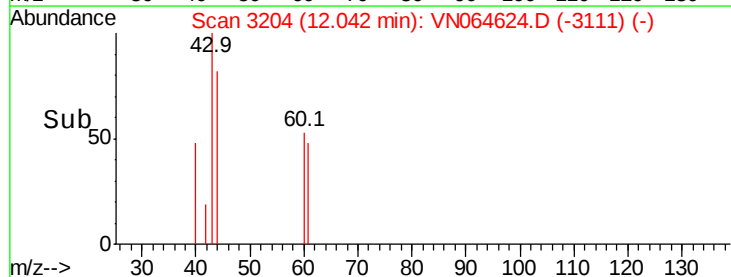
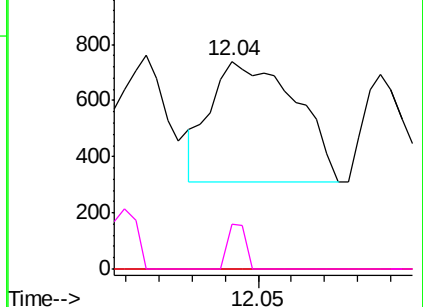


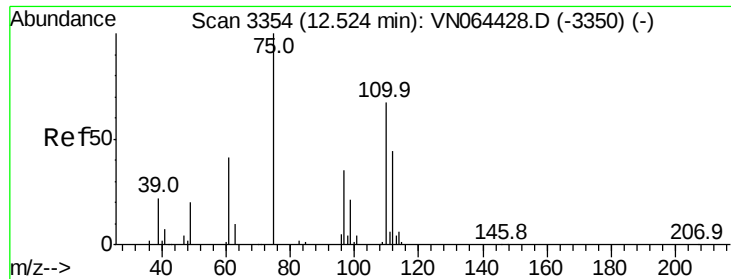
Abundance Ion 43.00 (42.70 to 43.70): VNO

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

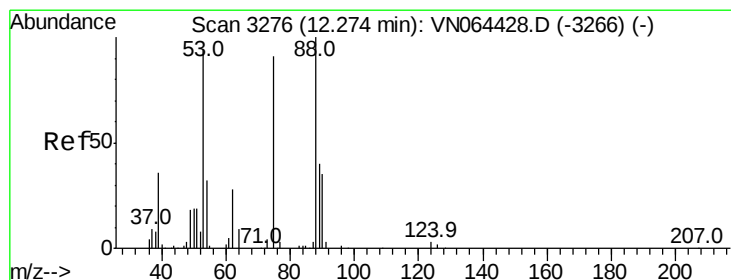
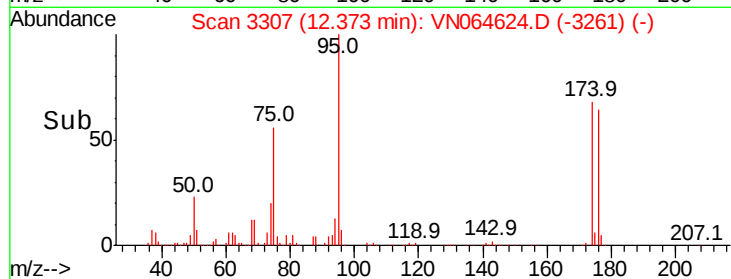
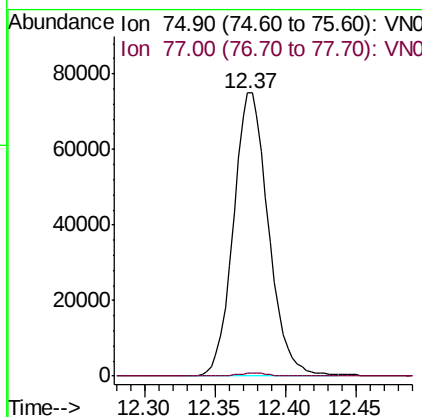
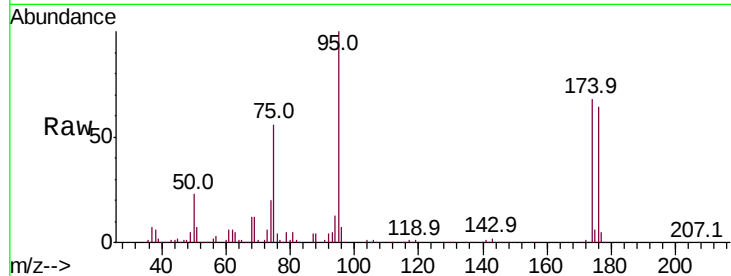




#76
 1,2,3-Trichloropropane
 Concen: 29.415 ug/l
 RT: 12.37 min Scan# 3307
 Delta R.T. -0.15 min
 Lab File: VN064624.D
 Acq: 13 Nov 2020 11:37

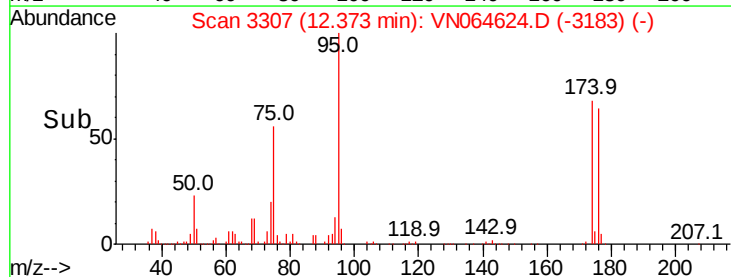
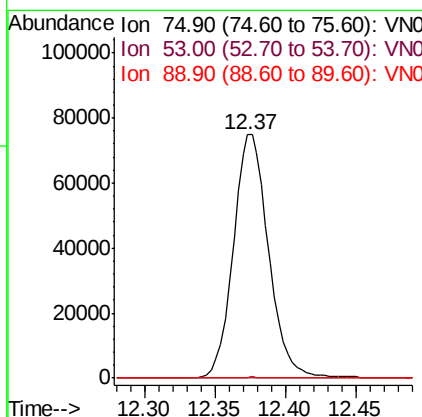
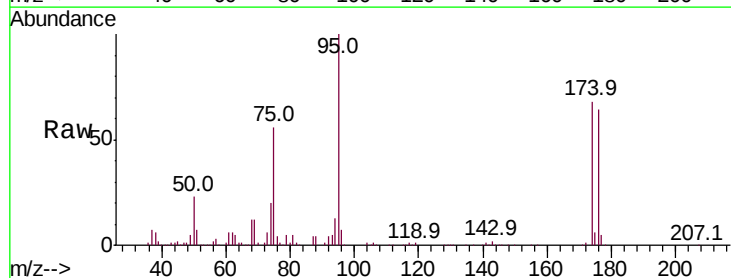
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1113WBL01

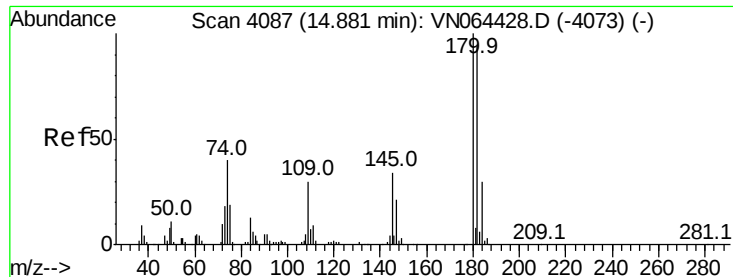
Tot Ion: 75 Resp: 130469
 Ion Ratio Lower Upper
 75 100
 77 0.9 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 82.130 ug/l
 RT: 12.37 min Scan# 3307
 Delta R.T. 0.10 min
 Lab File: VN064624.D
 Acq: 13 Nov 2020 11:37

Tgt Ion: 75 Resp: 130469
 Ion Ratio Lower Upper
 75 100
 53 0.4 84.0 126.0#
 89 0.0 36.3 54.5#

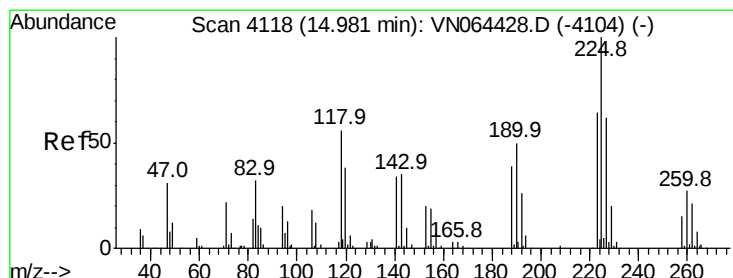
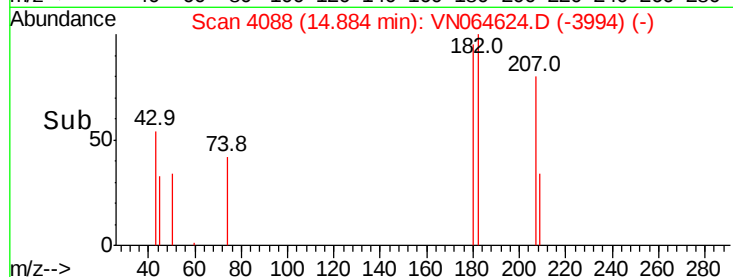
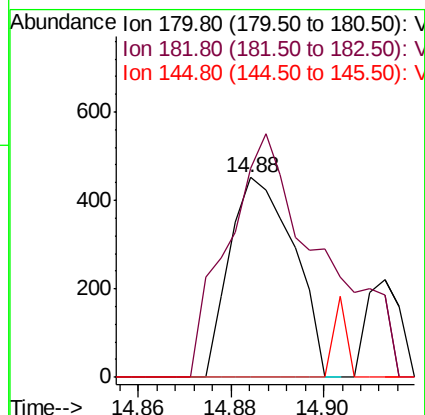
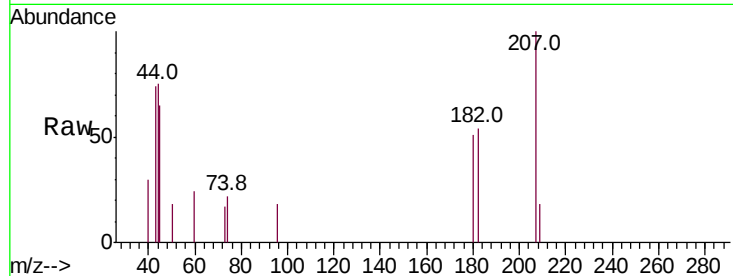




#93
 1,2,4-Trichlorobenzene
 Concen: 2.804 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN064624.D
 Acq: 13 Nov 2020 11:37

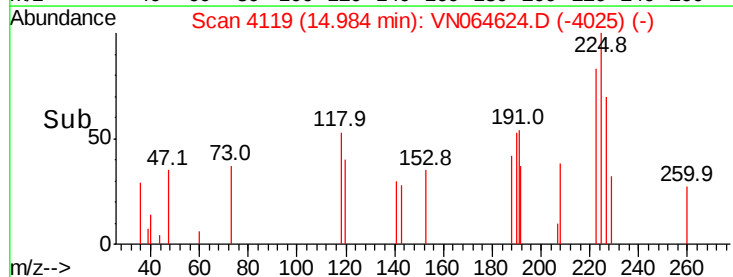
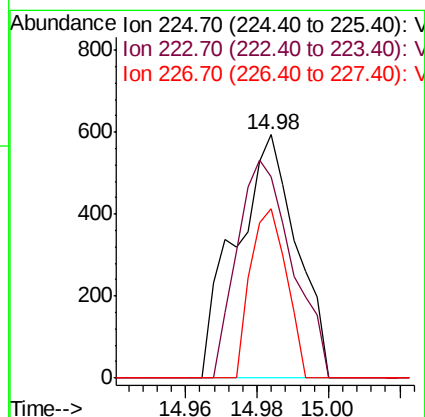
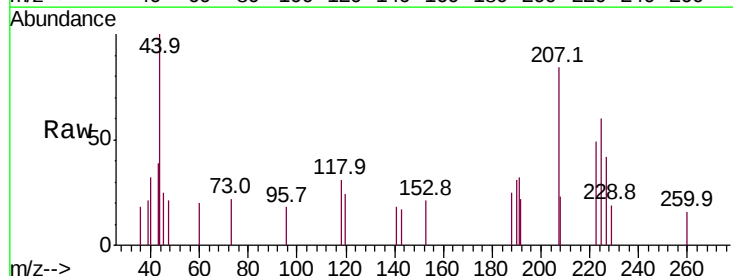
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1113WBL01

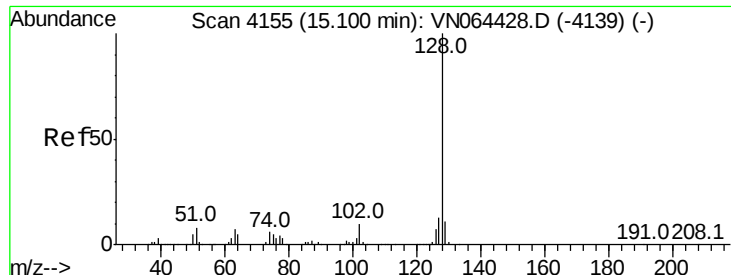
Tot Ion:180 Resp: 436
 Ion Ratio Lower Upper
 180 100
 182 177.1 47.3 142.0#
 145 0.0 16.7 50.1#



#94
 Hexachlorobutadiene
 Concen: 0.584 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN064624.D
 Acq: 13 Nov 2020 11:37

Tgt Ion:225 Resp: 702
 Ion Ratio Lower Upper
 225 100
 223 80.9 31.8 95.4
 227 41.0 31.8 95.4

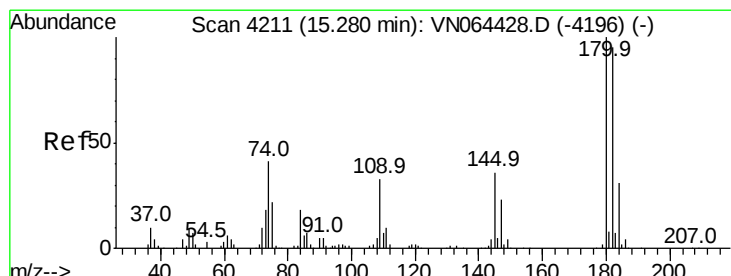
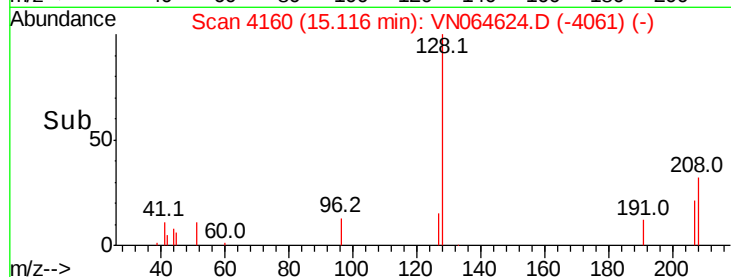
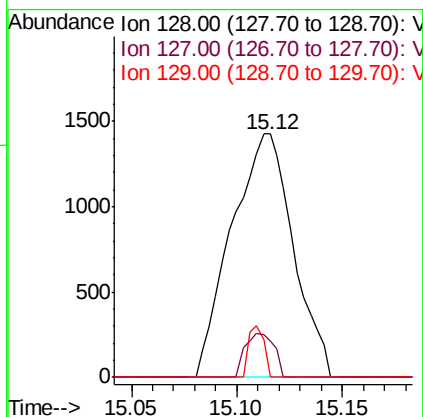
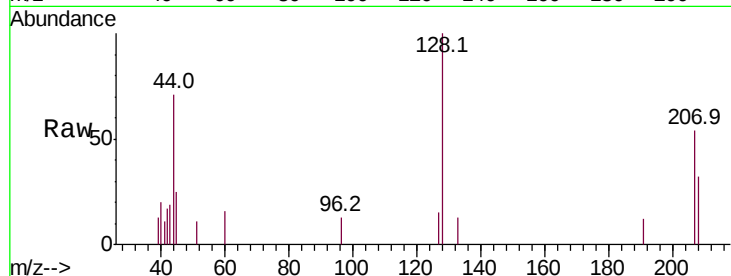




#95
Naphthalene
Concen: 3.890 ug/l
RT: 15.12 min Scan# 4160
Delta R.T. 0.02 min
Lab File: VN064624.D
Acq: 13 Nov 2020 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBL01

Tot Ion:128 Resp: 2896
Ion Ratio Lower Upper
128 100
127 8.4 10.5 15.7#
129 5.2 8.8 13.2#



#96
1,2,3-Trichlorobenzene
Concen: 3.094 ug/l
RT: 15.28 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN064624.D
Acq: 13 Nov 2020 11:37

Tgt Ion:180 Resp: 959
Ion Ratio Lower Upper
180 100
182 98.0 47.7 143.1
145 19.9 18.3 54.8

