

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110420\
 Data File : VN064437.D
 Acq On : 4 Nov 2020 15:36
 Operator : JC/MD
 Sample : L4541-09
 Misc : 4.03g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 05 00:46:43 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	256636	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	504081	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	497686	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	205857	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	231475	51.78	ug/l	0.00
Spiked Amount						
						Recovery = 103.56%
35) Dibromofluoromethane	7.55	113	165939	48.35	ug/l	0.00
Spiked Amount						
						Recovery = 96.70%
50) Toluene-d8	10.06	98	636679	48.00	ug/l	0.00
Spiked Amount						
						Recovery = 96.00%
62) 4-Bromofluorobenzene	12.38	95	253861	50.60	ug/l	0.00
Spiked Amount						
						Recovery = 101.20%

Target Compounds

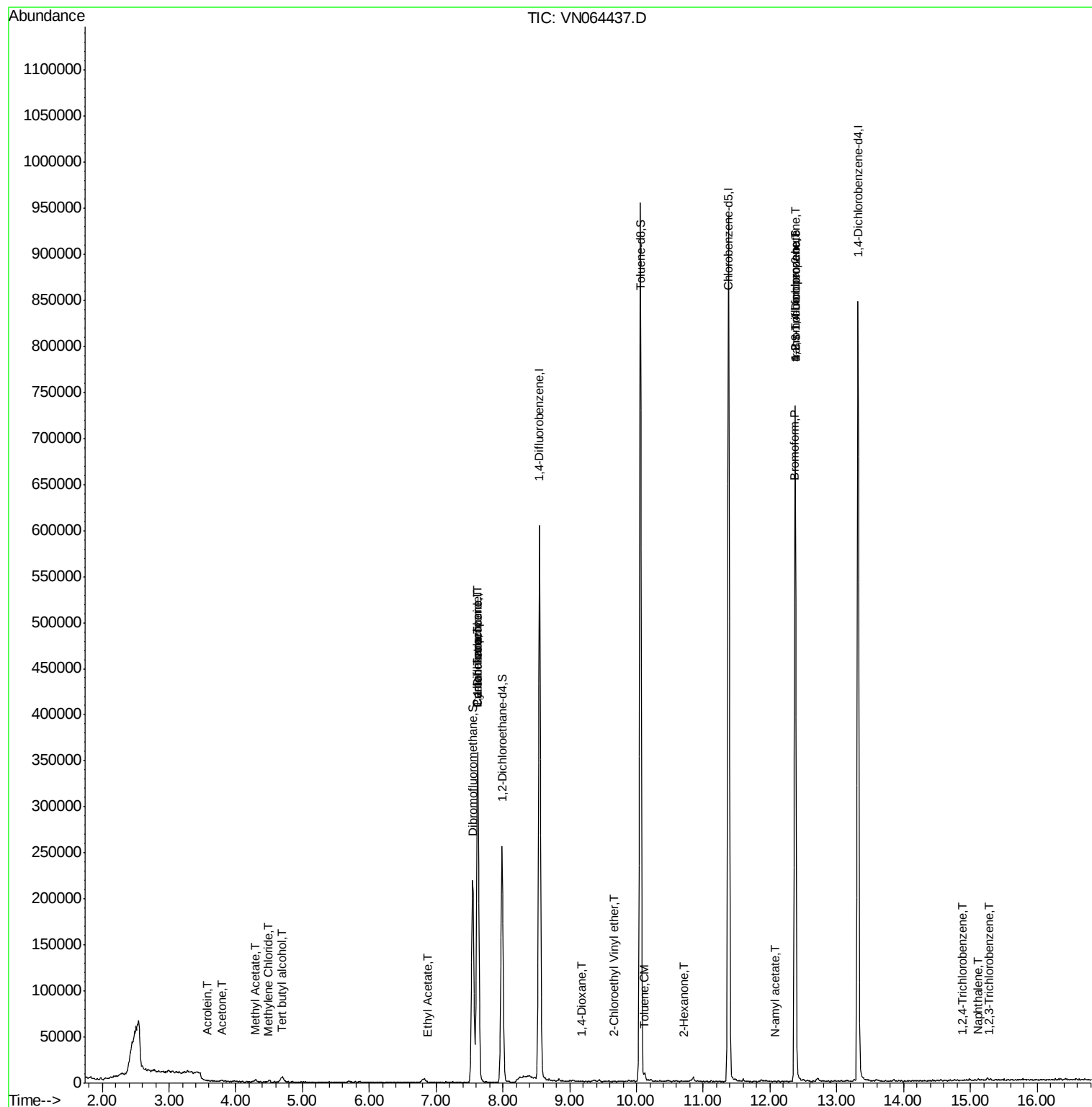
						Qvalue
11) Tert butyl alcohol	4.69	59	3815	7.739	ug/l #	71
13) Acrolein	3.57	56	465	1.521	ug/l	90
16) Acetone	3.78	43	922	0.541	ug/l #	48
18) Methyl Acetate	4.29	43	4788	1.430	ug/l #	87
20) Methylene Chloride	4.49	84	877	0.260	ug/l	86
31) Cyclohexane	7.62	56	7538	1.387	ug/l #	38
36) 1,1-Dichloropropene	7.62	75	24959	4.687	ug/l #	51
37) Ethyl Acetate	6.88	43	268	0.811	ug/l #	71
38) Carbon Tetrachloride	7.62	117	29734	5.224	ug/l #	16
49) 1,4-Dioxane	9.17	88	31	0.540	ug/l #	1
52) Toluene	10.13	92	2187	0.229	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.66	63	30	21.547	ug/l #	51
59) 2-Hexanone	10.72	43	110	4.054	ug/l #	28
71) Bromoform	12.36	173	239	1.351	ug/l #	29
74) N-amyl acetate	12.06	43	200	1.239	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	141911	28.452	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	141911	79.441	ug/l #	8
93) 1,2,4-Trichlorobenzene	14.89	180	141	2.704	ug/l #	28
95) Naphthalene	15.11	128	915	3.698	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.28	180	31	2.785	ug/l #	12

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

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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: VN064437.D

Acq: 4 Nov 2020 15:36

Instrument :

MSVOA_N

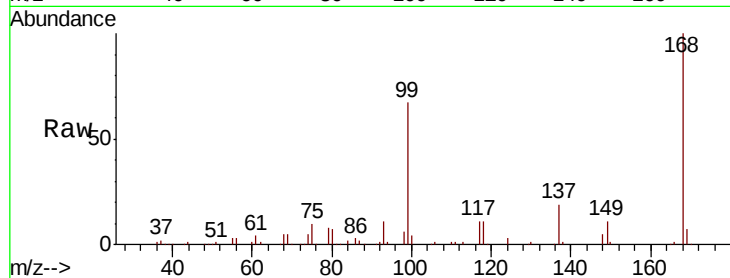
ClientSampled :

Tot Ion:168 Resp: 256636

Ion Ratio Lower Upper

168 100

99 66.6 53.4 80.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

120000

100000

80000

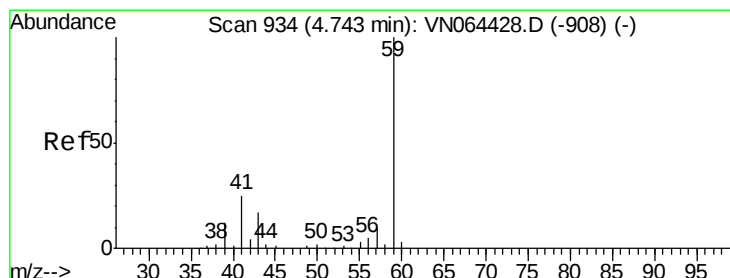
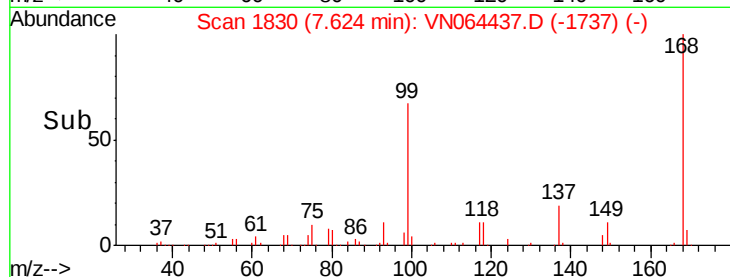
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#11

Tert butyl alcohol

Concen: 7.739 ug/l

RT: 4.69 min Scan# 918

Delta R.T. -0.05 min

Lab File: VN064437.D

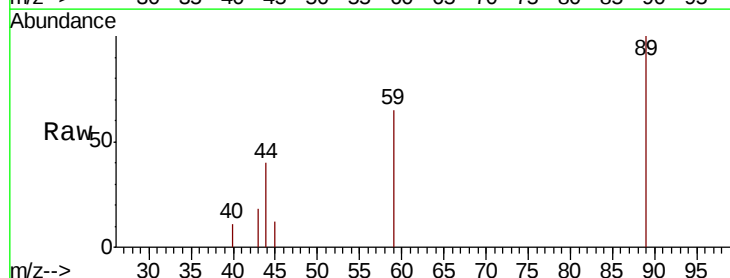
Acq: 4 Nov 2020 15:36

Tgt Ion: 59 Resp: 3815

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.69

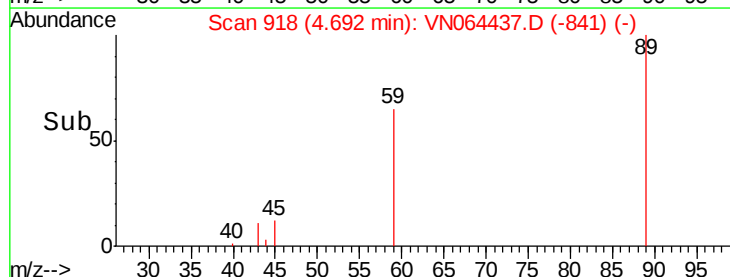
1500

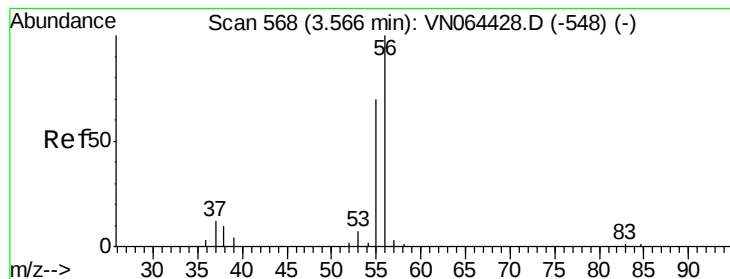
1000

500

0

Time--> 4.65 4.70





#13

Acrolein

Concen: 1.521 ug/l

RT: 3.57 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN064437.D

Acq: 4 Nov 2020 15:36

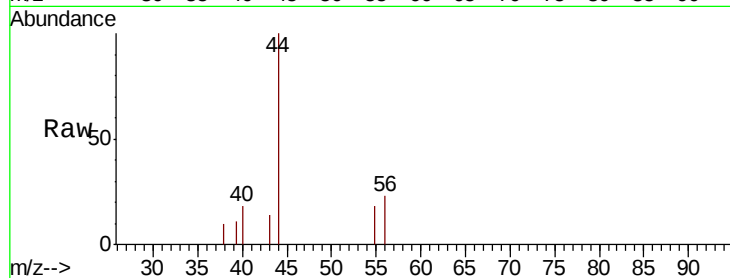
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 465

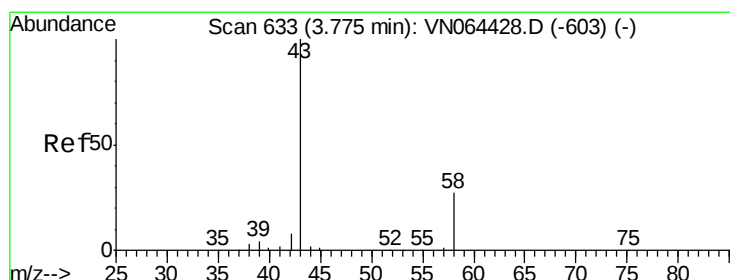
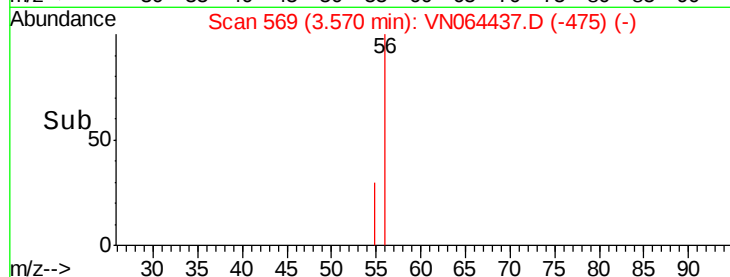
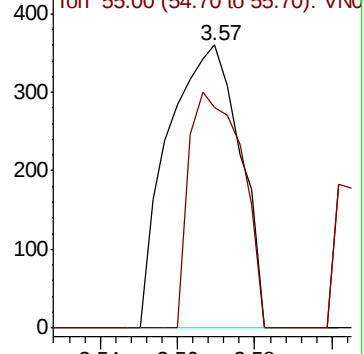
Ion Ratio Lower Upper

56 100

55 61.7 55.9 83.9



Abundance Ion 56.00 (55.70 to 56.70): VN064428.D (-548) (-)



#16

Acetone

Concen: 0.541 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN064437.D

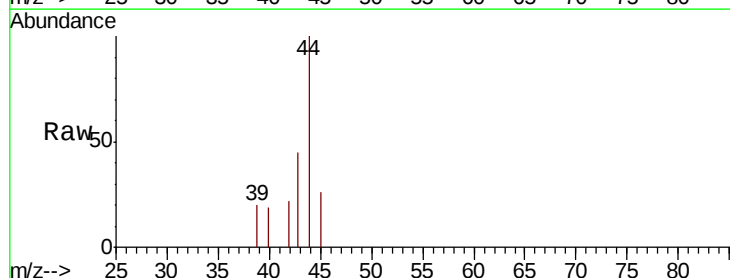
Acq: 4 Nov 2020 15:36

Tgt Ion: 43 Resp: 922

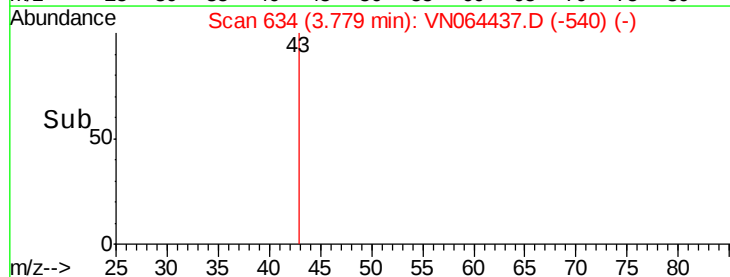
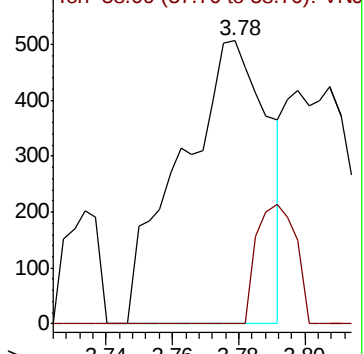
Ion Ratio Lower Upper

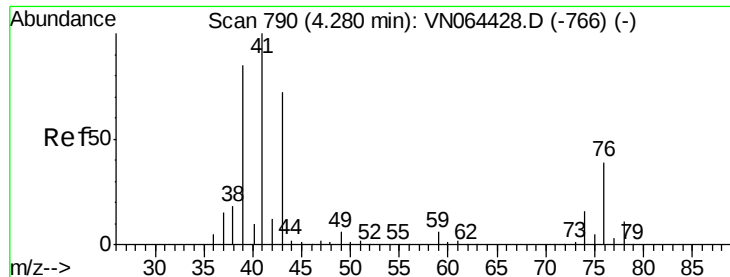
43 100

58 0.0 21.4 32.0#



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

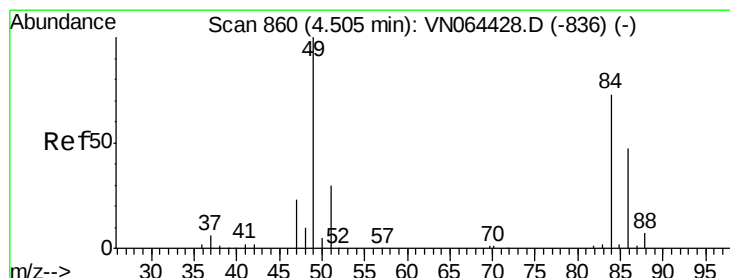
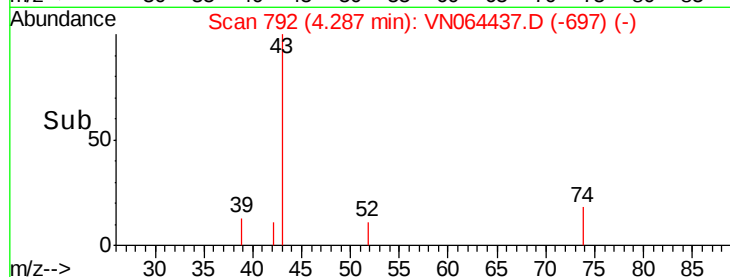
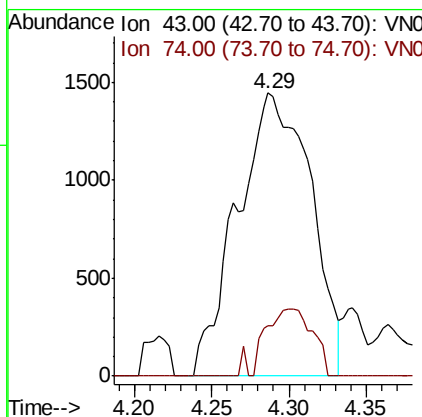
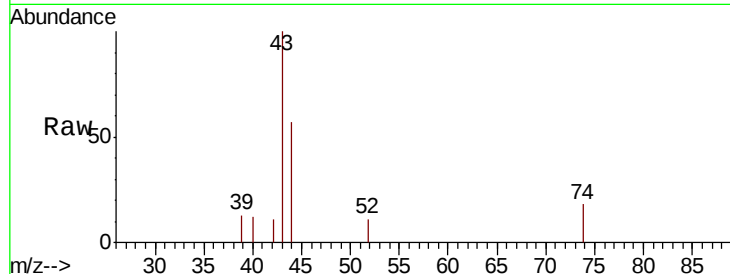




#18
Methyl Acetate
Concen: 1.430 ug/l
RT: 4.29 min Scan# 792
Delta R.T. 0.01 min
Lab File: VN064437.D
Acq: 4 Nov 2020 15:36

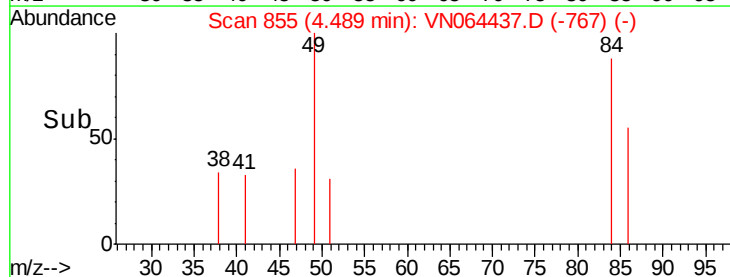
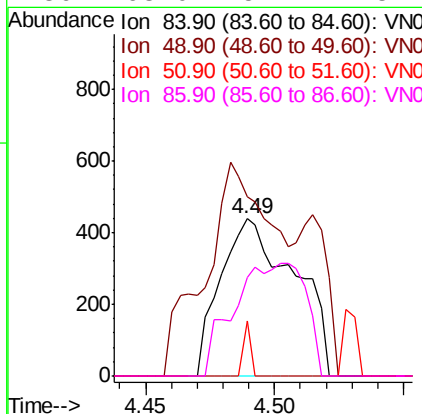
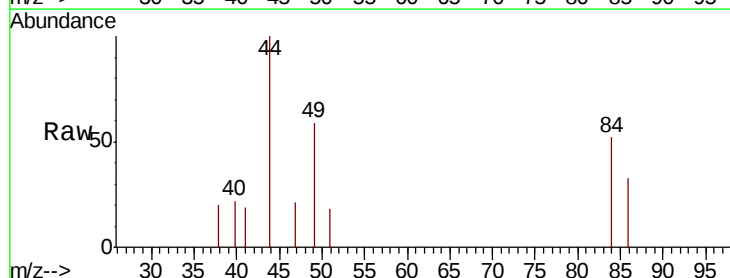
Instrument :
MSVOA_N
ClientSampled :

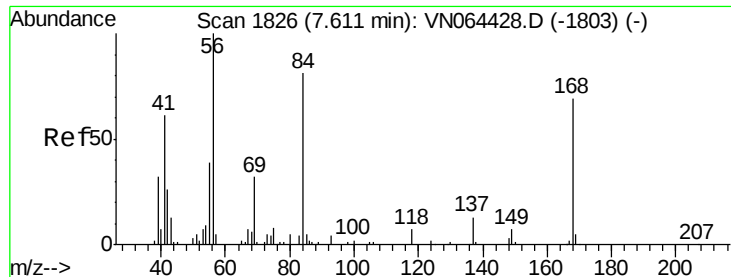
Tot Ion: 43 Resp: 4788
Ion Ratio Lower Upper
43 100
74 15.0 17.0 25.4#



#20
Methylene Chloride
Concen: 0.260 ug/l
RT: 4.49 min Scan# 855
Delta R.T. -0.02 min
Lab File: VN064437.D
Acq: 4 Nov 2020 15:36

Tgt Ion: 84 Resp: 877
Ion Ratio Lower Upper
84 100
49 114.2 110.1 165.1
51 34.9 33.6 50.4
86 63.0 52.1 78.1

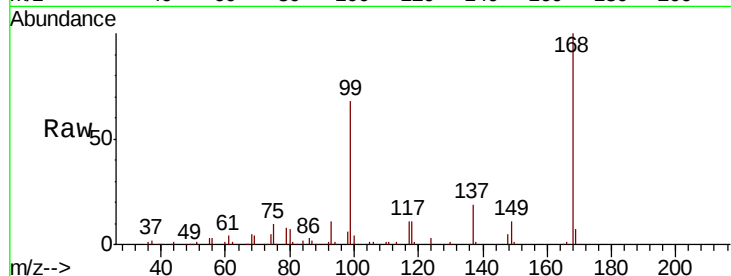




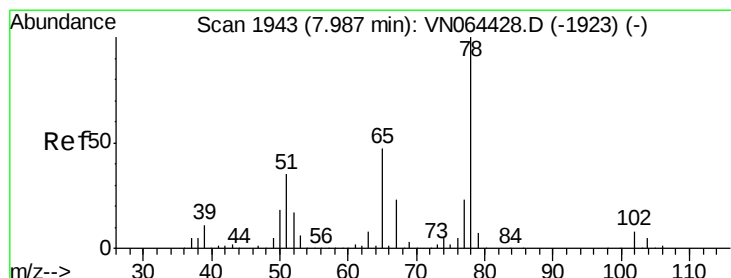
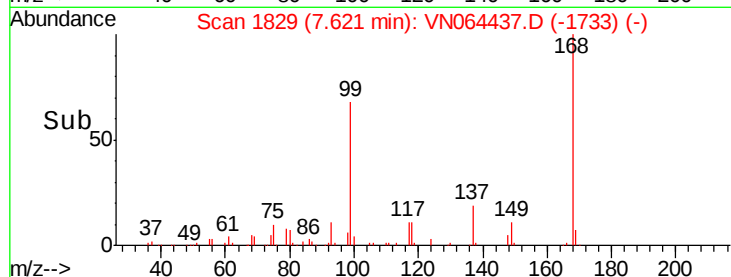
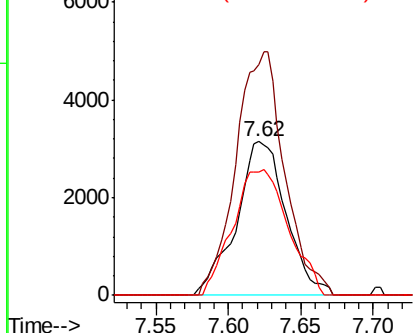
#31
Cyclohexane
Concen: 1.387 ug/l
RT: 7.62 min Scan# 1829
Delta R.T. 0.01 min
Lab File: VN064437.D
Acq: 4 Nov 2020 15:36

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 7538
Ion Ratio Lower Upper
56 100
69 150.2 25.6 38.4#
84 80.3 63.0 94.6

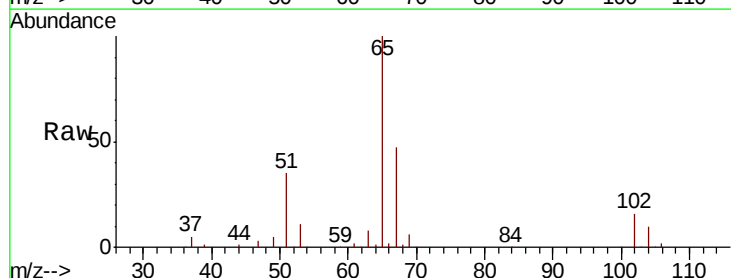


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

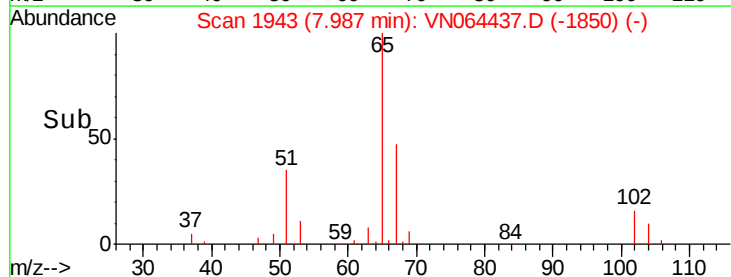
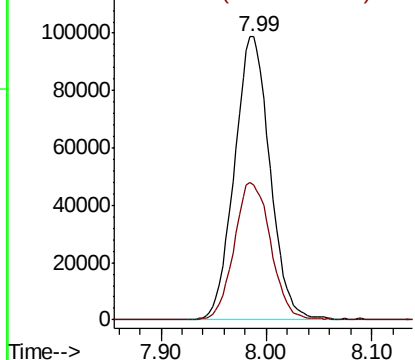


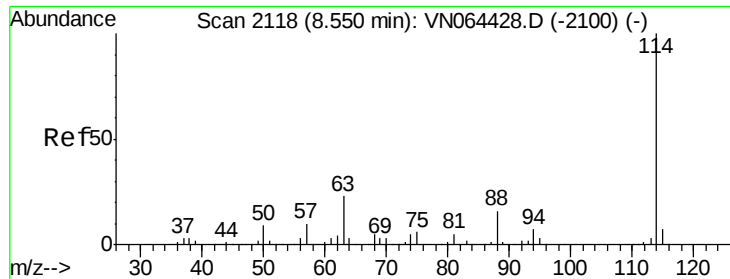
#33
1,2-Dichloroethane-d4
Concen: 51.782 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN064437.D
Acq: 4 Nov 2020 15:36

Tgt Ion: 65 Resp: 231475
Ion Ratio Lower Upper
65 100
67 49.8 0.0 101.6



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

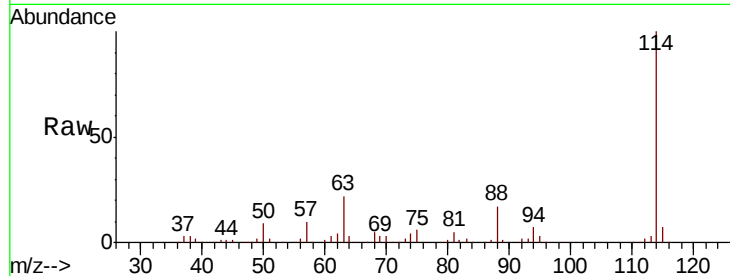




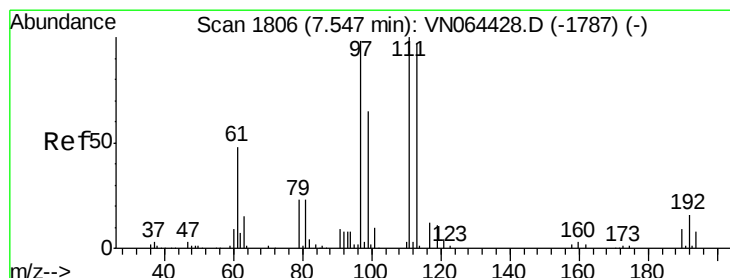
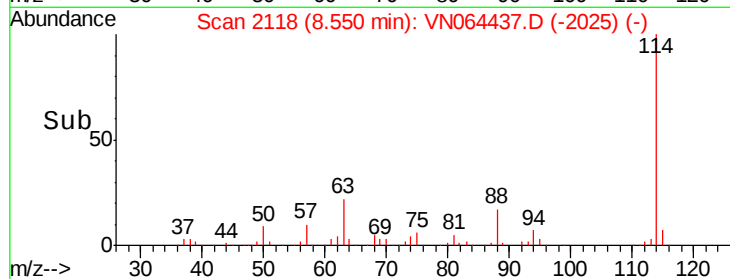
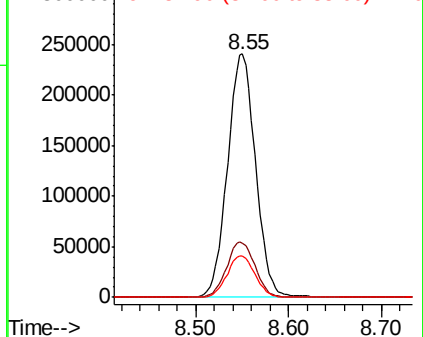
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064437.D
 Acq: 4 Nov 2020 15:36

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 504081
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 45.6
 88 16.8 0.0 32.8

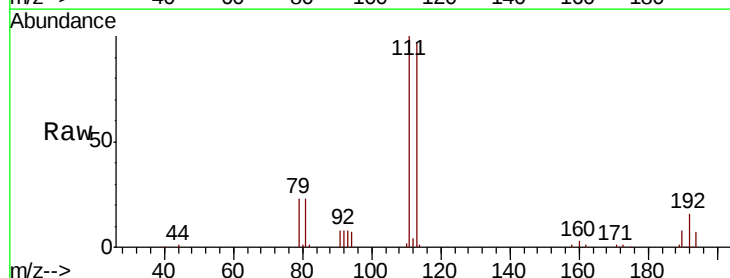


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

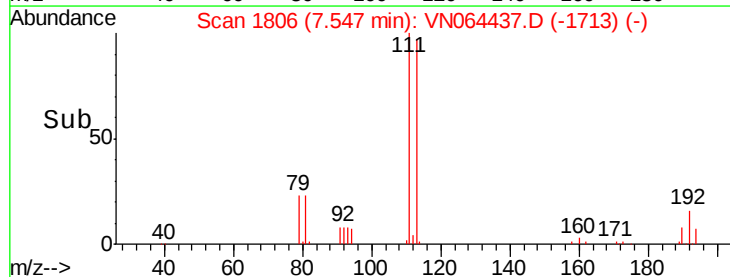
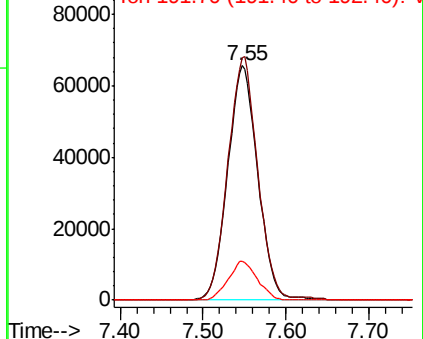


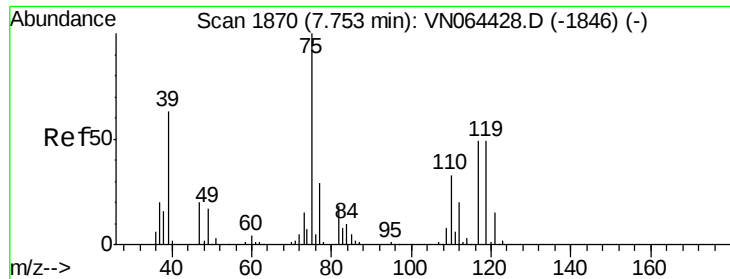
#35
 Dibromofluoromethane
 Concen: 48.349 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. 0.00 min
 Lab File: VN064437.D
 Acq: 4 Nov 2020 15:36

Tgt Ion:113 Resp: 165939
 Ion Ratio Lower Upper
 113 100
 111 102.1 81.1 121.7
 192 15.9 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: 4.687 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.13 min

Lab File: VN064437.D

Acq: 4 Nov 2020 15:36

Instrument :

MSVOA_N

ClientSampled :

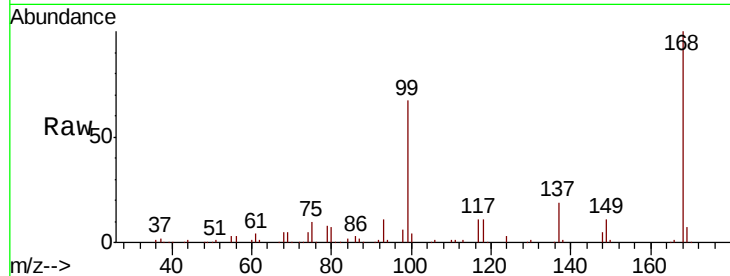
Tot Ion: 75 Resp: 24959

Ion Ratio Lower Upper

75 100

110 8.5 16.0 48.0#

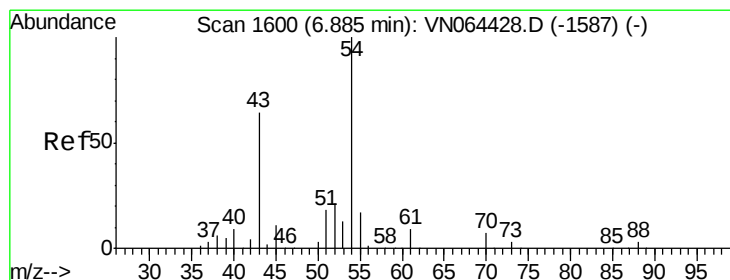
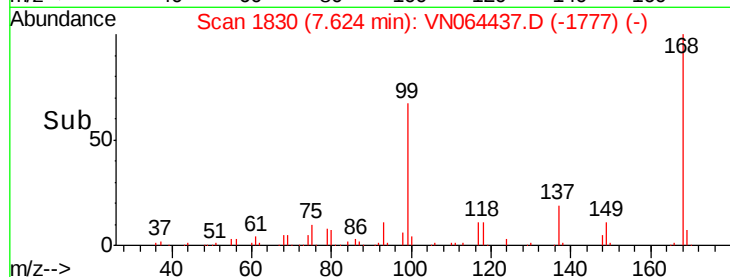
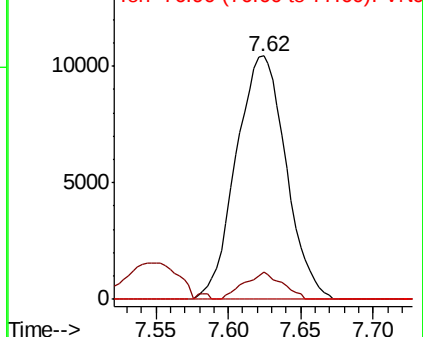
77 0.0 24.0 36.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#37

Ethyl Acetate

Concen: 0.811 ug/l

RT: 6.88 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VN064437.D

Acq: 4 Nov 2020 15:36

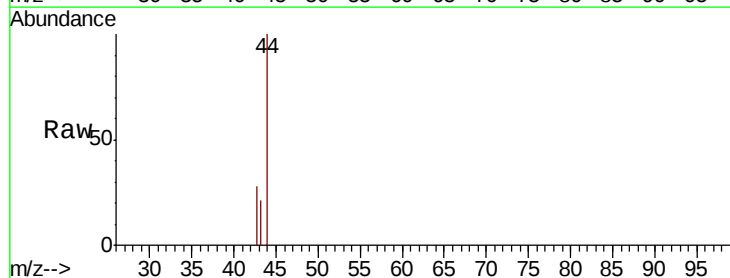
Tgt Ion: 43 Resp: 268

Ion Ratio Lower Upper

43 100

61 0.0 10.0 15.0#

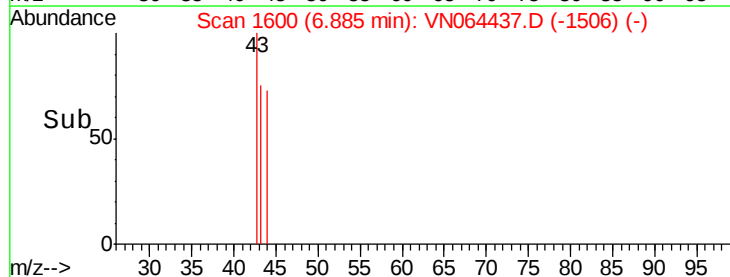
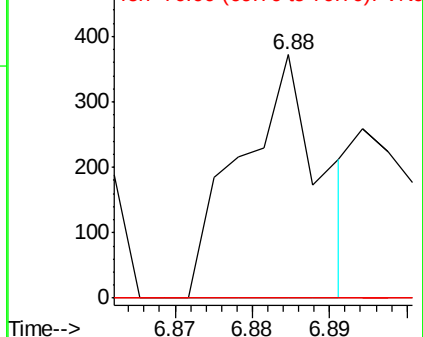
70 0.0 7.1 10.7#

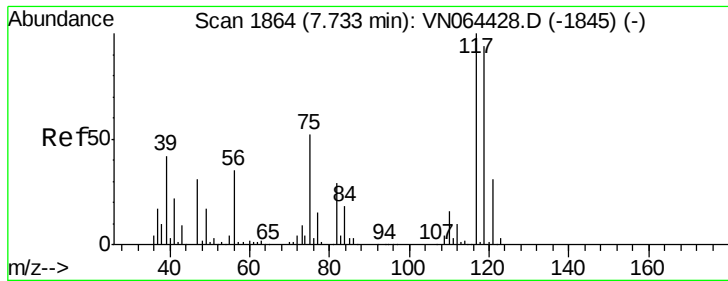


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 70.00 (69.70 to 70.70): VN0





#38

Carbon Tetrachloride

Concen: 5.224 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.11 min

Lab File: VN064437.D

Acq: 4 Nov 2020 15:36

Instrument :

MSVOA_N

ClientSampleId :

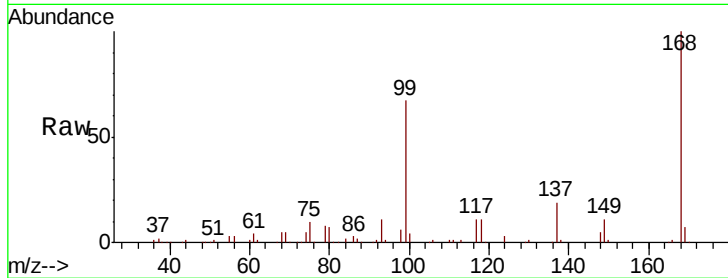
Tot Ion:117 Resp: 29734

Ion Ratio Lower Upper

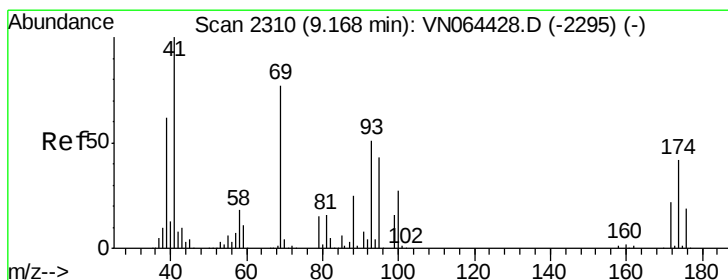
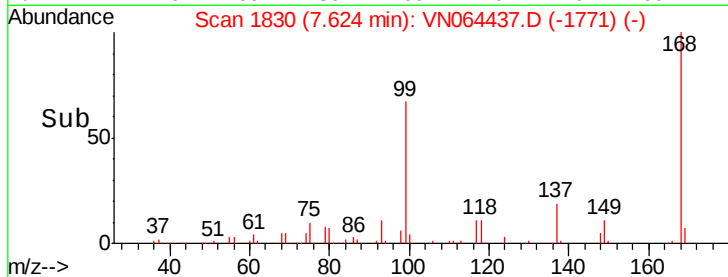
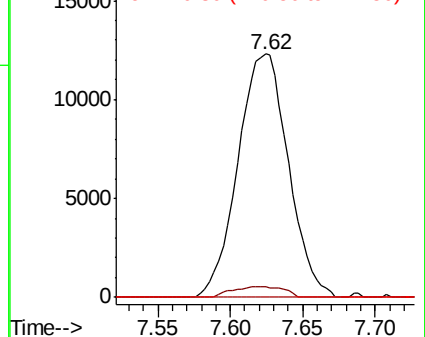
117 100

119 4.3 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



#49

1,4-Dioxane

Concen: 0.540 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. 0.01 min

Lab File: VN064437.D

Acq: 4 Nov 2020 15:36

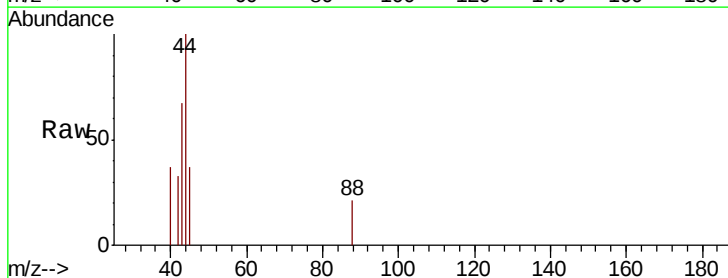
Tgt Ion: 88 Resp: 31

Ion Ratio Lower Upper

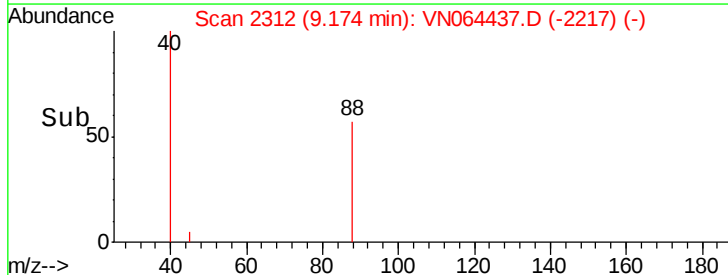
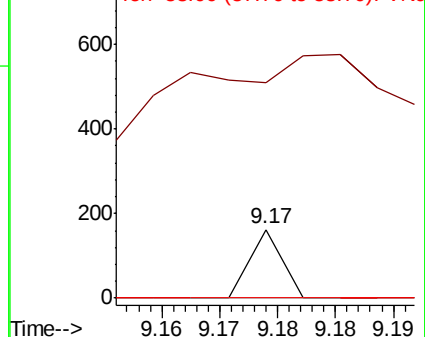
88 100

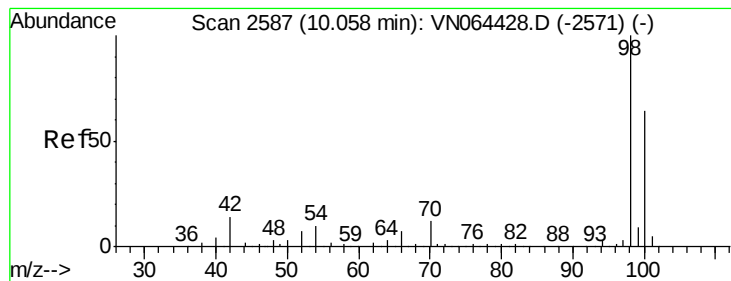
43 722.6 31.0 46.6#

58 0.0 58.4 87.6#



Abundance Ion 88.00 (87.70 to 88.70): V
Ion 43.00 (42.70 to 43.70): V
Ion 58.00 (57.70 to 58.70): V





#50

Toluene-d8

Concen: 47.997 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064437.D

Acq: 4 Nov 2020 15:36

Instrument :

MSVOA_N

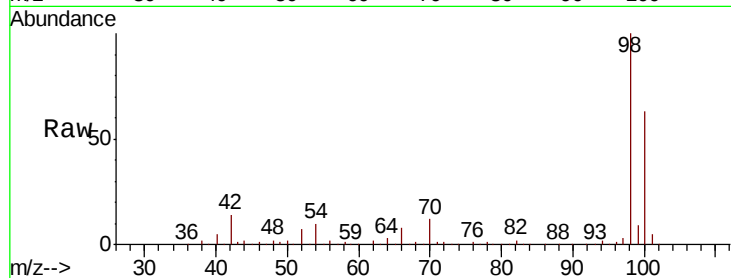
ClientSampled :

Tot Ion: 98 Resp: 636679

Ion Ratio Lower Upper

98 100

100 63.9 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

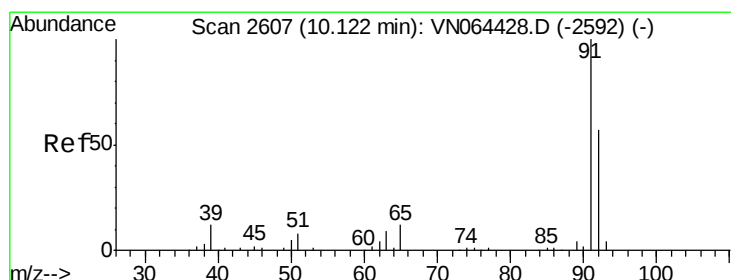
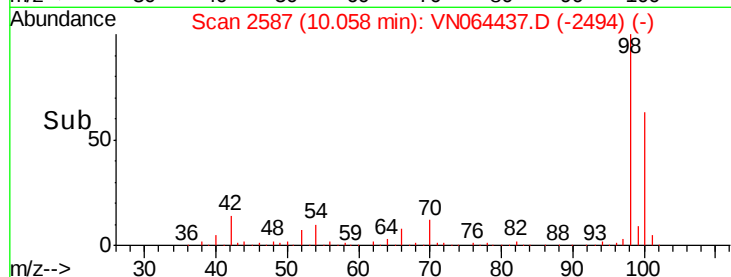
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 0.229 ug/l

RT: 10.13 min Scan# 2609

Delta R.T. 0.01 min

Lab File: VN064437.D

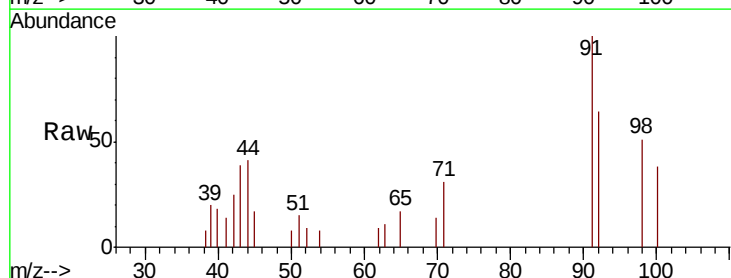
Acq: 4 Nov 2020 15:36

Tgt Ion: 92 Resp: 2187

Ion Ratio Lower Upper

92 100

91 167.7 139.6 209.4



Abundance Ion 92.00 (91.70 to 92.70): VN064428.D (-2592) (-)

Ion 91.00 (90.70 to 91.70): VN064428.D (-2592) (-)

2000

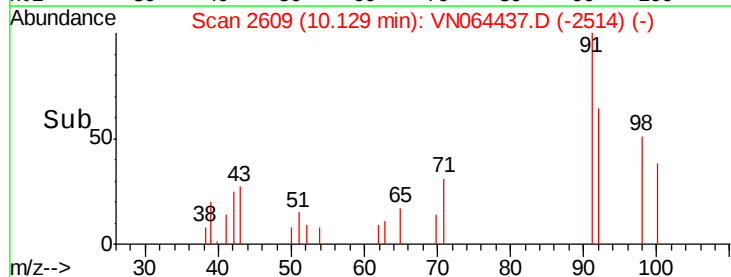
1500

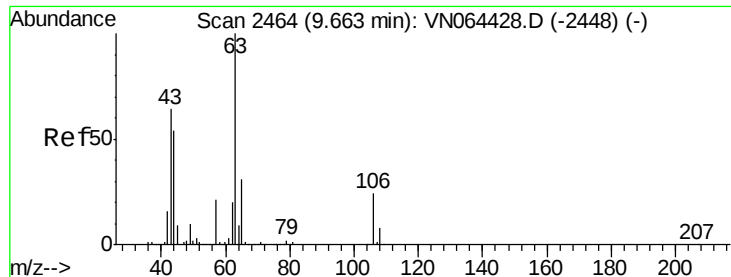
1000

500

0

Time-->

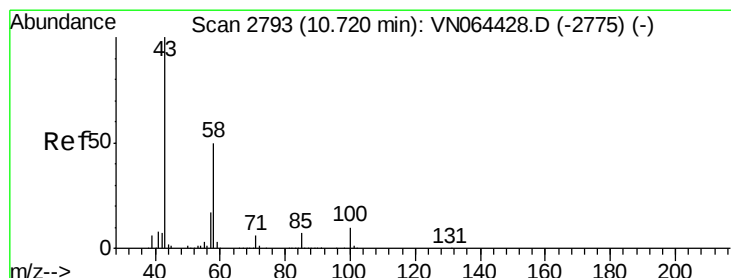
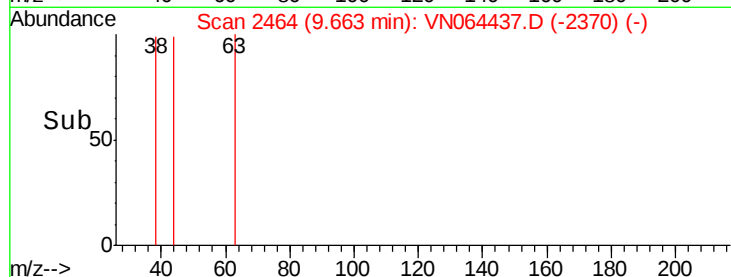
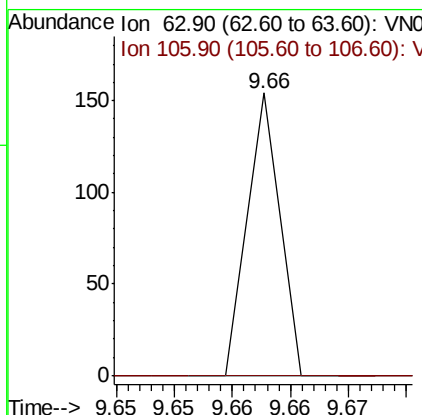
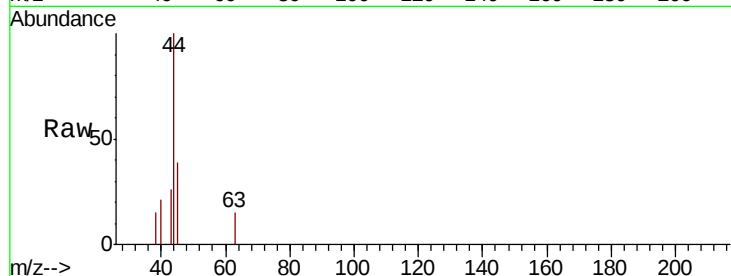




#58
 2-Chloroethyl Vinyl ether
 Concen: 21.547 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN064437.D
 Acq: 4 Nov 2020 15:36

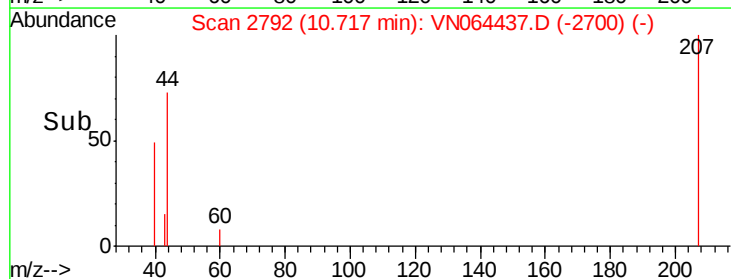
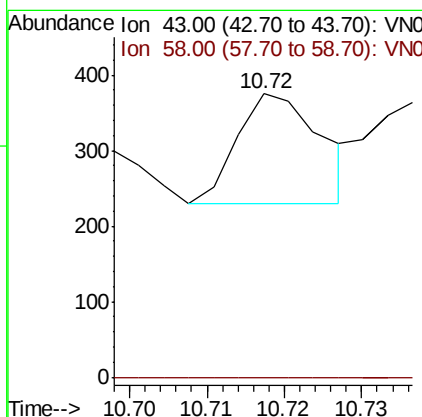
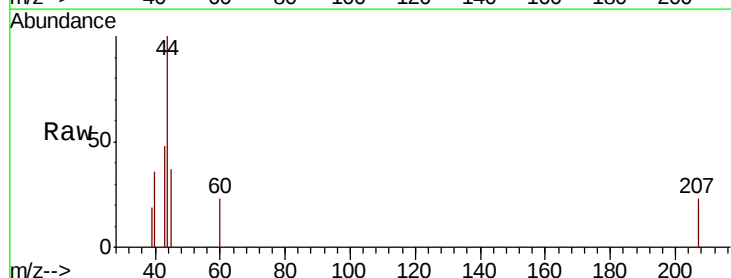
Instrument :
 MSVOA_N
 ClientSampleId :

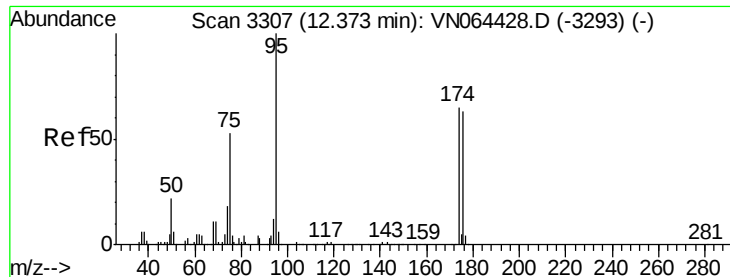
Tot Ion: 63 Resp: 30
 Ion Ratio Lower Upper
 63 100
 106 0.0 19.5 29.3#



#59
 2-Hexanone
 Concen: 4.054 ug/l
 RT: 10.72 min Scan# 2792
 Delta R.T. -0.00 min
 Lab File: VN064437.D
 Acq: 4 Nov 2020 15:36

Tgt Ion: 43 Resp: 110
 Ion Ratio Lower Upper
 43 100
 58 0.0 24.7 74.1#

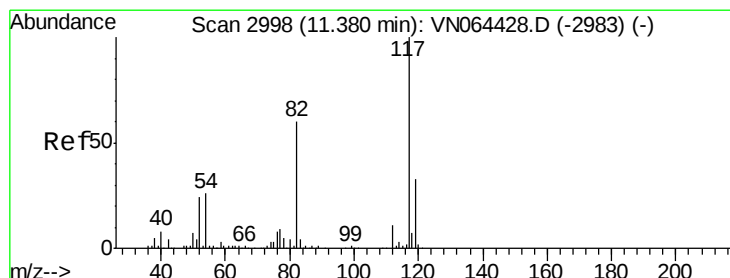
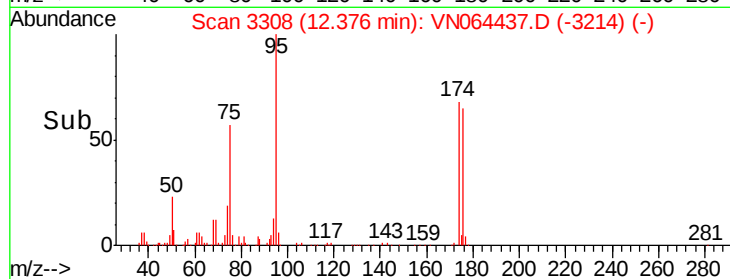
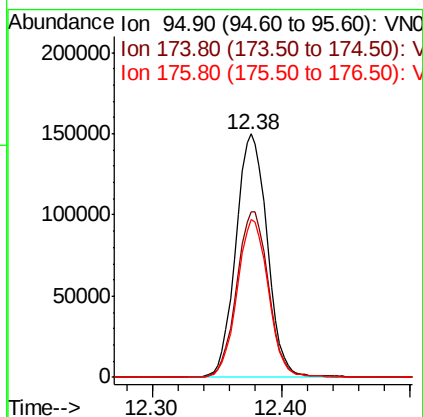
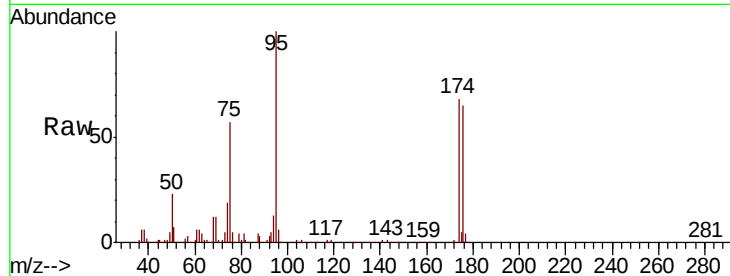




#62
4-Bromofluorobenzene
Concen: 50.603 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064437.D
Acq: 4 Nov 2020 15:36

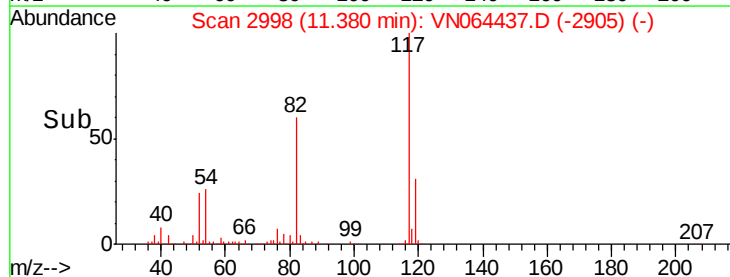
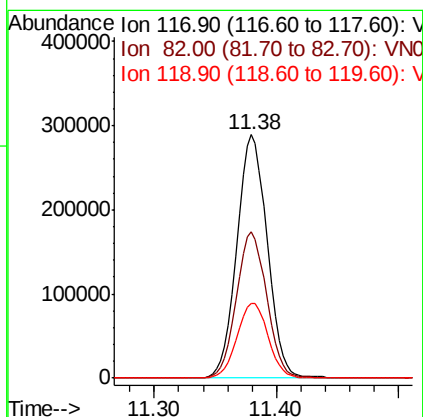
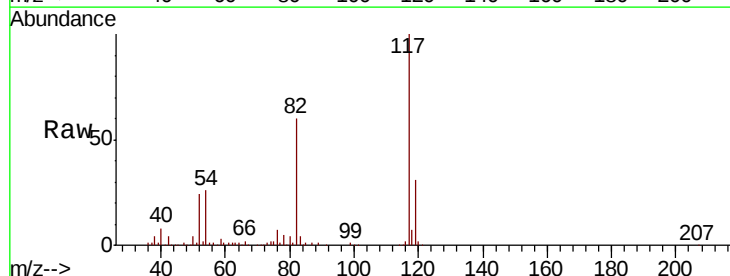
Instrument :
MSVOA_N
ClientSampleId :

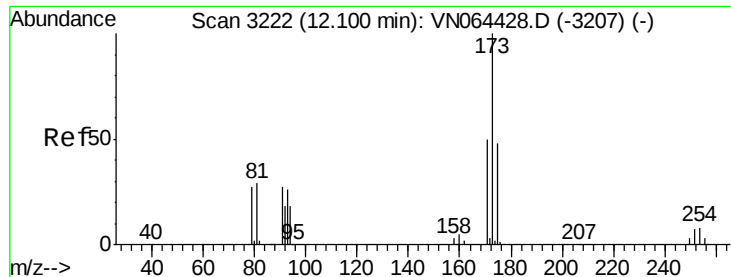
Tot Ion: 95 Resp: 253861
Ion Ratio Lower Upper
95 100
174 69.0 0.0 132.6
176 64.6 0.0 129.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064437.D
Acq: 4 Nov 2020 15:36

Tgt Ion: 117 Resp: 497686
Ion Ratio Lower Upper
117 100
82 60.0 48.1 72.1
119 30.9 26.2 39.4





#71

Bromoform

Concen: 1.351 ug/l

RT: 12.36 min Scan# 3303

Delta R.T. 0.26 min

Lab File: VN064437.D

Acq: 4 Nov 2020 15:36

Instrument :

MSVOA_N

ClientSampled :

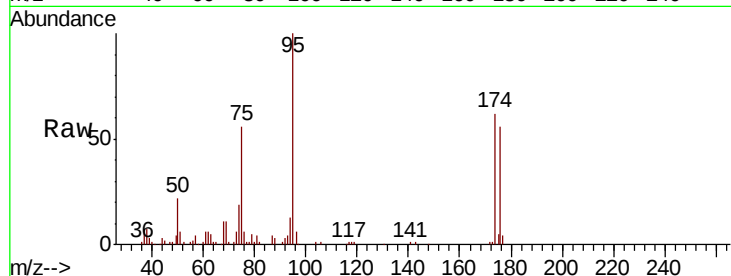
Tot Ion:173 Resp: 239

Ion Ratio Lower Upper

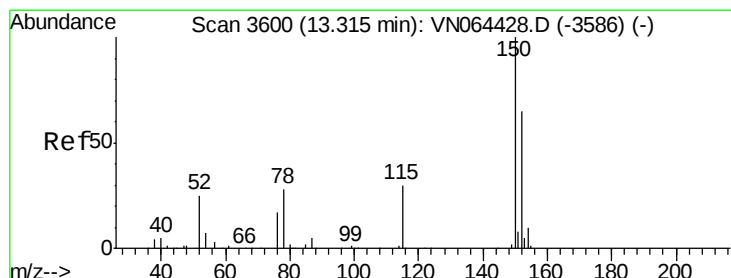
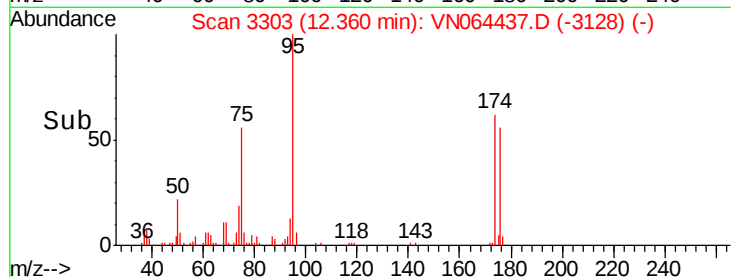
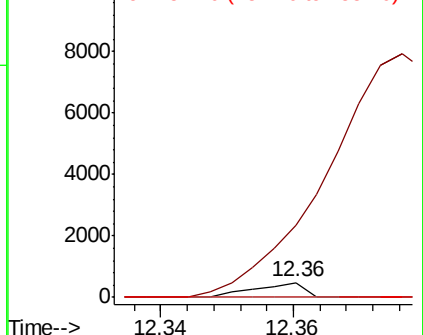
173 100

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: VN064437.D

Acq: 4 Nov 2020 15:36

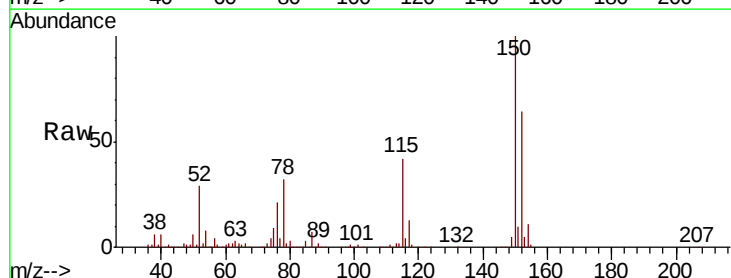
Tgt Ion:152 Resp: 205857

Ion Ratio Lower Upper

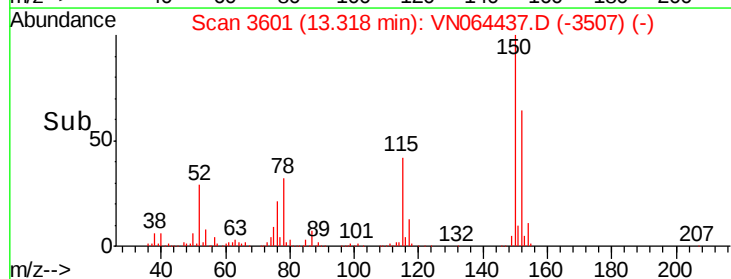
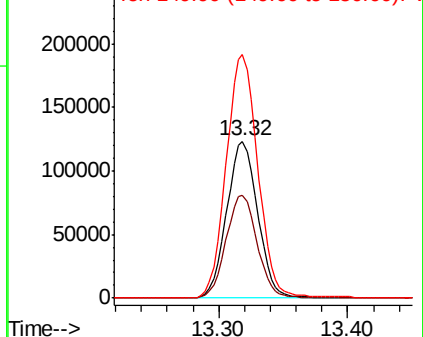
152 100

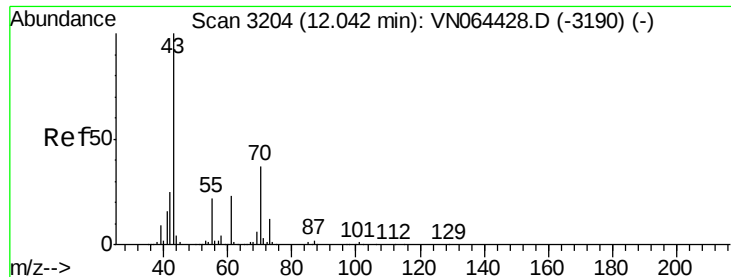
115 65.9 32.0 96.0

150 158.7 0.0 353.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 1.239 ug/l

RT: 12.06 min Scan# 3211

Delta R.T. 0.02 min

Lab File: VN064437.D

Acq: 4 Nov 2020 15:36

Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 43 Resp: 200

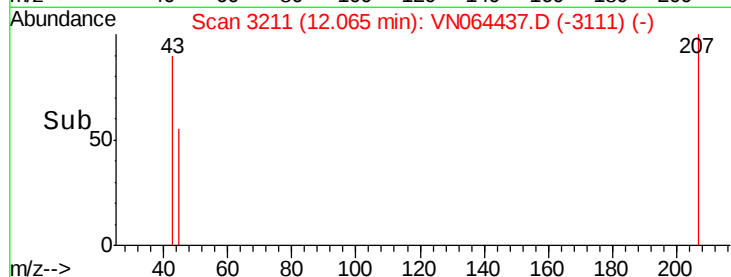
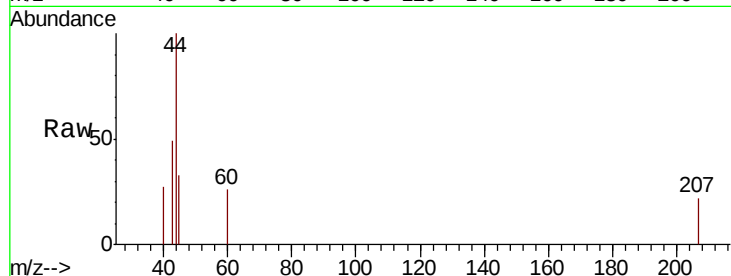
Ion Ratio Lower Upper

43 100

70 0.0 29.6 44.4#

55 0.0 18.4 27.6#

61 0.0 17.8 26.6#

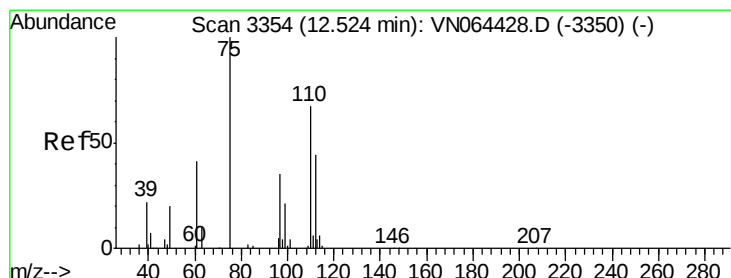
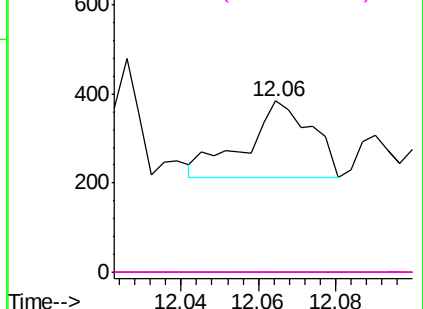


Abundance Ion 43.00 (42.70 to 43.70): VNO

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: 28.452 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064437.D

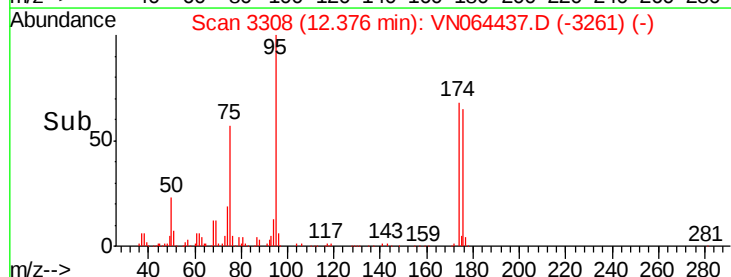
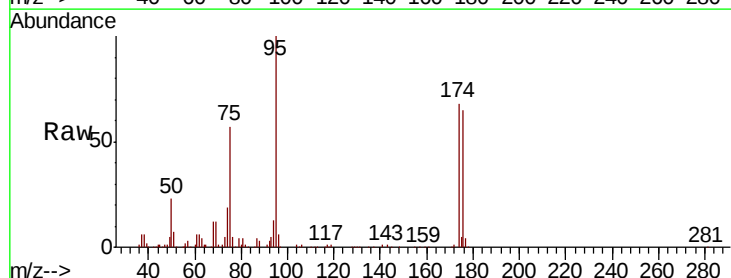
Acq: 4 Nov 2020 15:36

Tgt Ion: 75 Resp: 141911

Ion Ratio Lower Upper

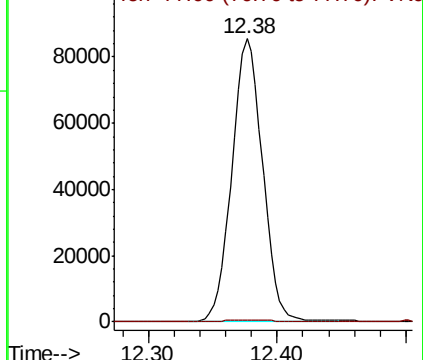
75 100

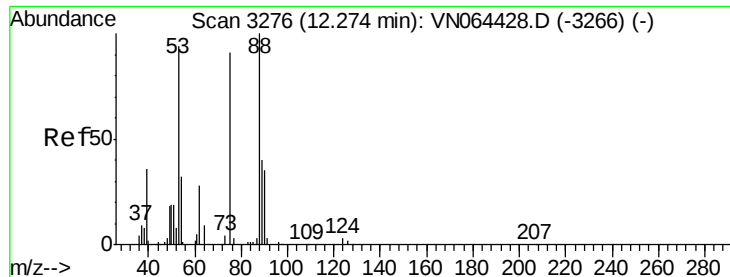
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO

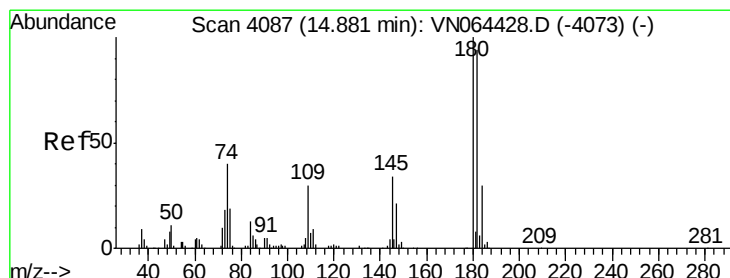
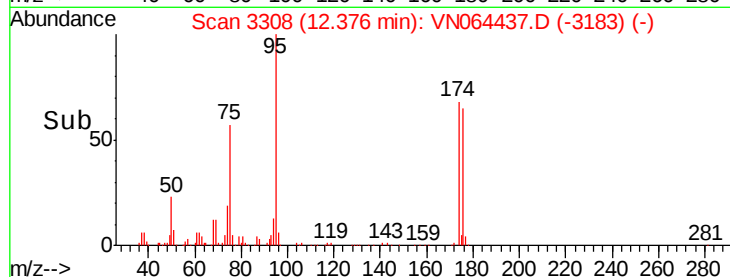
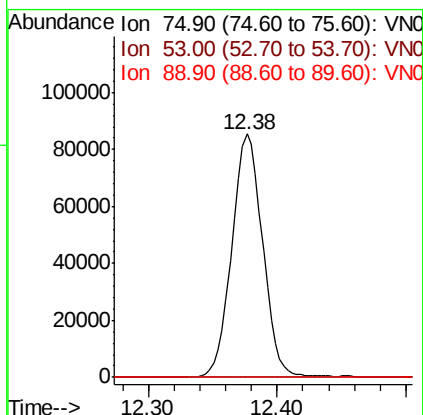
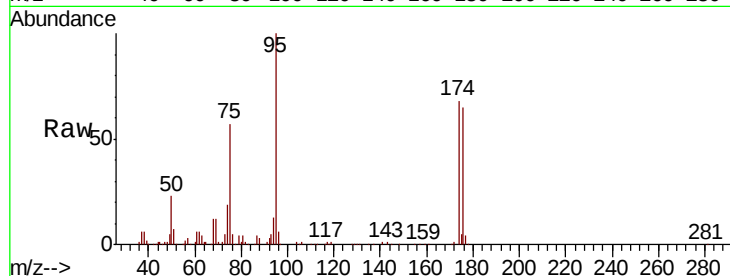




#81
trans-1,4-Dichloro-2-butene
Concen: 79.441 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.10 min
Lab File: VN064437.D
Acq: 4 Nov 2020 15:36

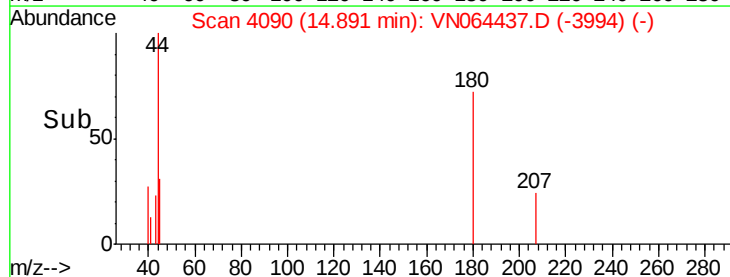
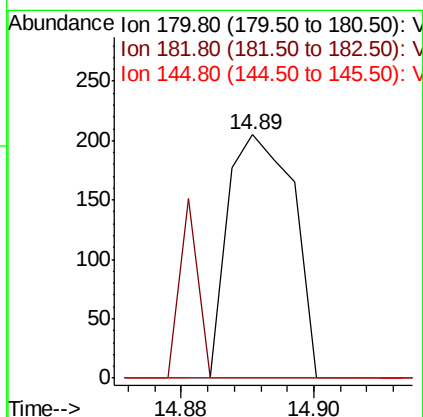
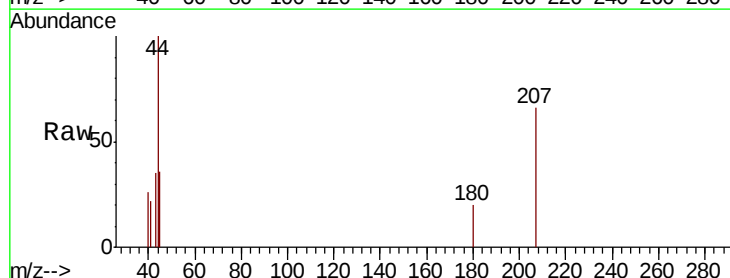
Instrument :
MSVOA_N
ClientSampled :

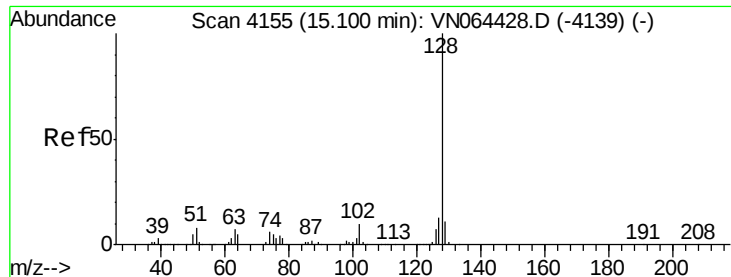
Tot Ion: 75 Resp: 141911
Ion Ratio Lower Upper
75 100
53 0.1 84.0 126.0#
89 0.0 36.3 54.5#



#93
1,2,4-Trichlorobenzene
Concen: 2.704 ug/l
RT: 14.89 min Scan# 4090
Delta R.T. 0.01 min
Lab File: VN064437.D
Acq: 4 Nov 2020 15:36

Tgt Ion: 180 Resp: 141
Ion Ratio Lower Upper
180 100
182 20.6 47.3 142.0#
145 0.0 16.7 50.1#





#95

Naphthalene

Concen: 3.698 ug/l

RT: 15.11 min Scan# 4159

Delta R.T. 0.01 min

Lab File: VN064437.D

Acq: 4 Nov 2020 15:36

Instrument :

MSVOA_N

ClientSampleId :

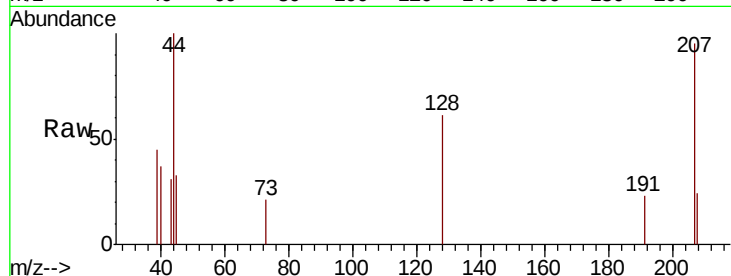
Tot Ion:128 Resp: 915

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

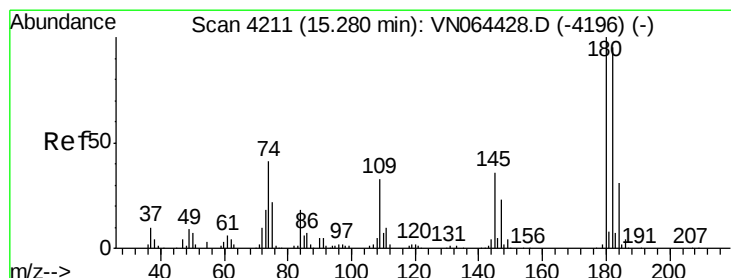
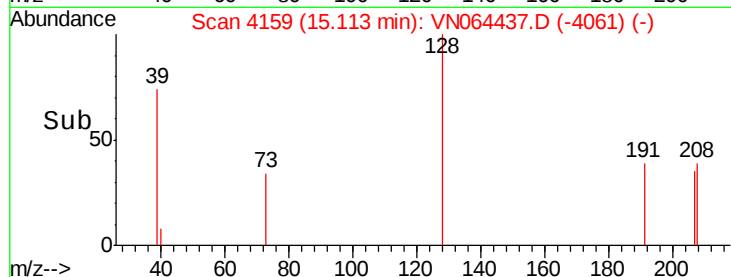
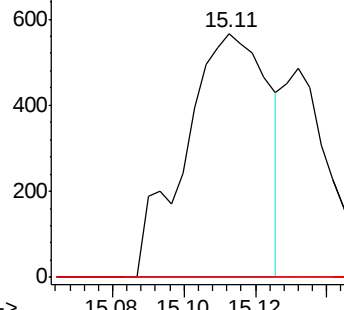
129 0.0 8.8 13.2#



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: 2.785 ug/l

RT: 15.28 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN064437.D

Acq: 4 Nov 2020 15:36

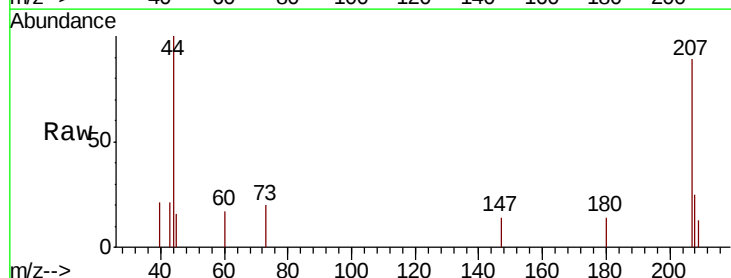
Tgt Ion:180 Resp: 31

Ion Ratio Lower Upper

180 100

182 0.0 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

