

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110420\
 Data File : VN064440.D
 Acq On : 4 Nov 2020 16:49
 Operator : JC/MD
 Sample : L4627-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 05 00:48:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 12:09:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	252797	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	507495	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	519335	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	191295	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	236913	53.80	ug/l	0.00
Spiked Amount			Recovery	=	107.60%	
35) Dibromofluoromethane	7.55	113	168396	48.73	ug/l	0.00
Spiked Amount			Recovery	=	97.46%	
50) Toluene-d8	10.06	98	641921	48.07	ug/l	0.00
Spiked Amount			Recovery	=	96.14%	
62) 4-Bromofluorobenzene	12.38	95	256280	50.74	ug/l	0.00
Spiked Amount			Recovery	=	101.48%	

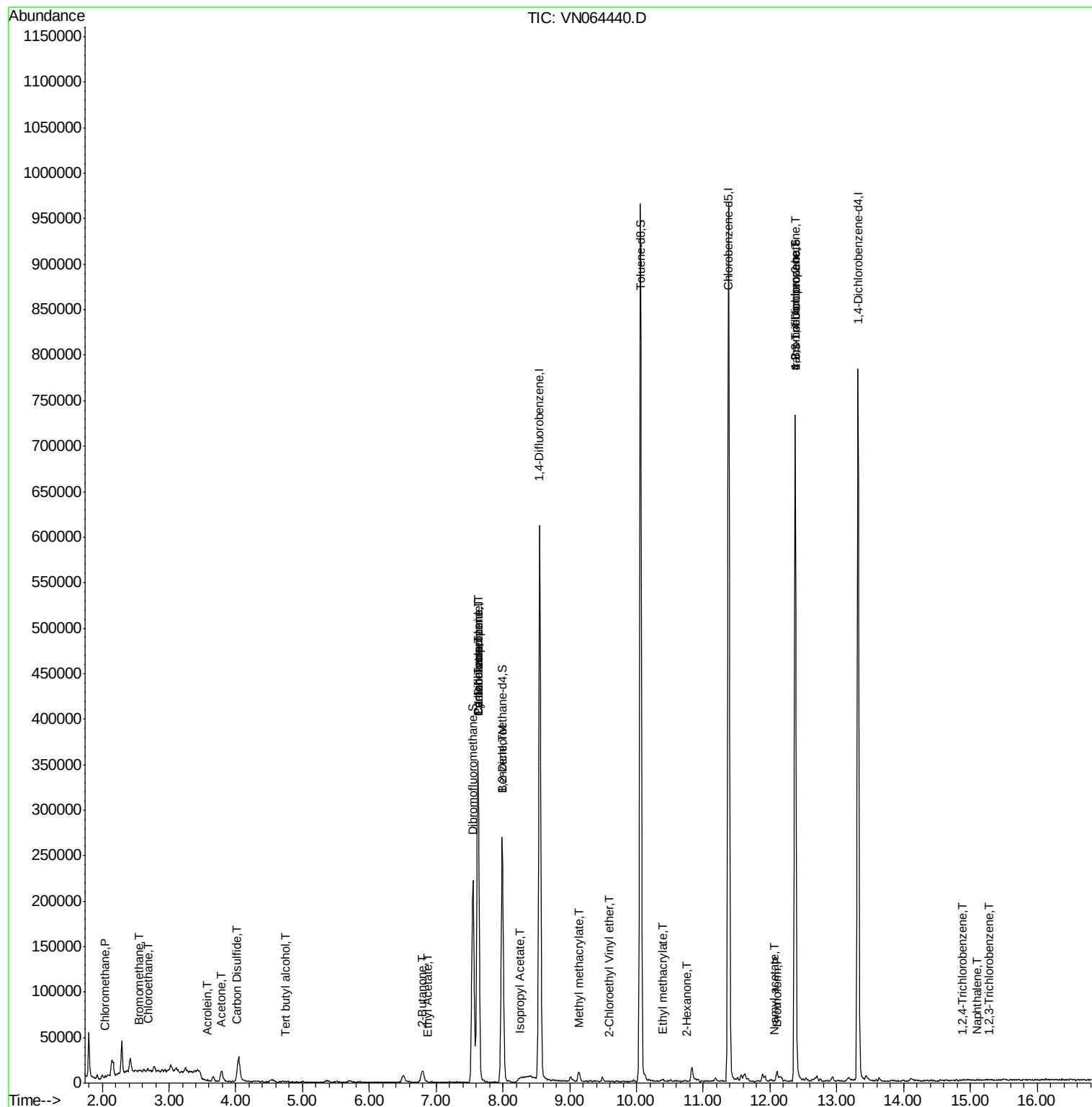
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1177	0.294	ug/l #	60
5) Bromomethane	2.55	94	746	0.284	ug/l	84
6) Chloroethane	2.69	64	1993	0.758	ug/l #	61
11) Tert butyl alcohol	4.74	59	228	0.470	ug/l #	71
13) Acrolein	3.58	56	111	0.369	ug/l #	1
16) Acetone	3.78	43	19893	11.860	ug/l	96
17) Carbon Disulfide	4.01	76	2346	0.290	ug/l #	76
25) 2-Butanone	6.80	43	5223	2.444	ug/l	95
31) Cyclohexane	7.62	56	7539	1.408	ug/l #	34
36) 1,1-Dichloropropene	7.63	75	25222	4.704	ug/l #	51
37) Ethyl Acetate	6.88	43	222	0.803	ug/l #	71
38) Carbon Tetrachloride	7.62	117	29018	5.064	ug/l #	18
40) Benzene	8.00	78	4980	0.316	ug/l #	86
43) Isopropyl Acetate	8.24	43	2634	0.303	ug/l #	64
48) Methyl methacrylate	9.14	41	4055	0.925	ug/l #	49
56) Ethyl methacrylate	10.40	69	60	1.850	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.59	63	35	21.549	ug/l #	51
59) 2-Hexanone	10.76	43	140	4.061	ug/l	99
71) Bromoform	12.10	173	279	1.360	ug/l #	29
74) N-amyl acetate	12.07	43	122	1.230	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	144708	31.221	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	144708	87.173	ug/l #	8
93) 1,2,4-Trichlorobenzene	14.88	180	70	2.686	ug/l #	1
95) Naphthalene	15.10	128	1271	3.735	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.28	180	128	2.816	ug/l #	51

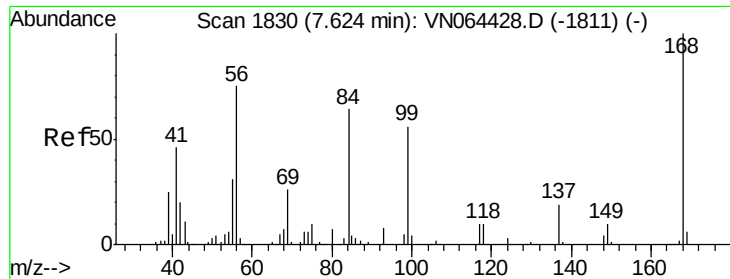
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064440.D

Acq: 4 Nov 2020 16:49

Instrument :

MSVOA_N

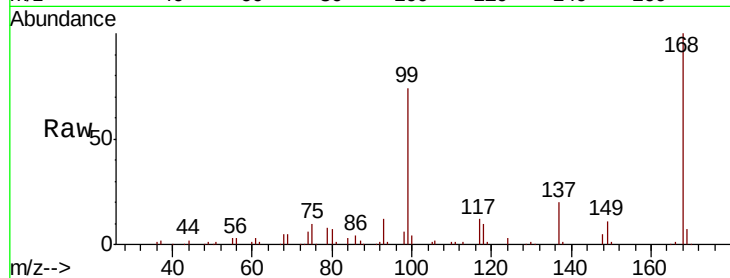
ClientSampled :

Tot Ion:168 Resp: 252797

Ion Ratio Lower Upper

168 100

99 74.4 53.4 80.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

100000

80000

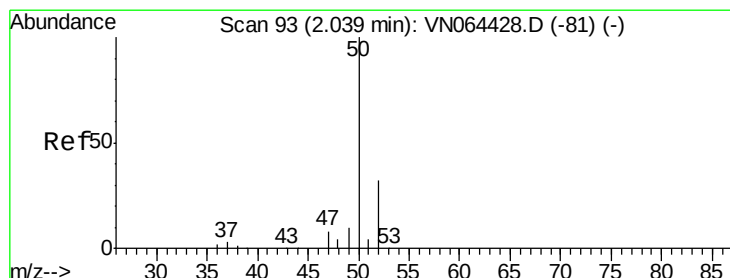
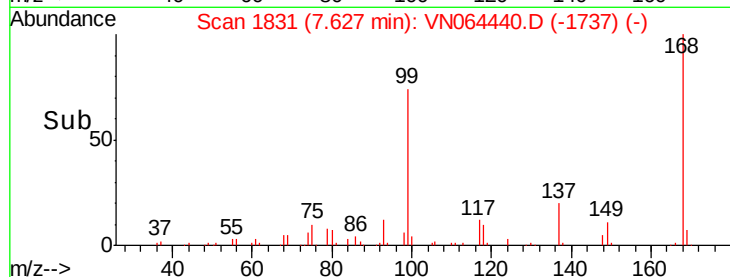
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: 0.294 ug/l

RT: 2.04 min Scan# 94

Delta R.T. 0.00 min

Lab File: VN064440.D

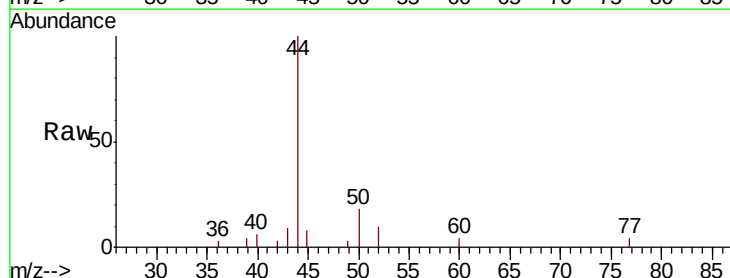
Acq: 4 Nov 2020 16:49

Tgt Ion: 50 Resp: 1177

Ion Ratio Lower Upper

50 100

52 53.8 25.3 37.9#



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.04

1000

800

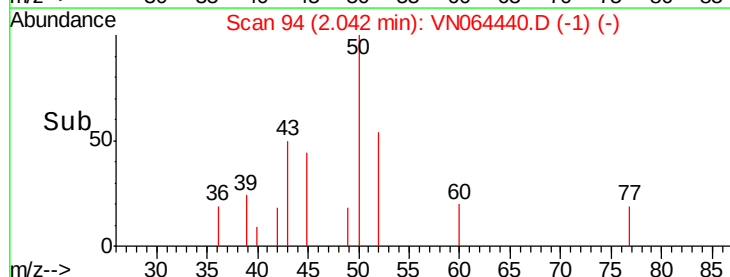
600

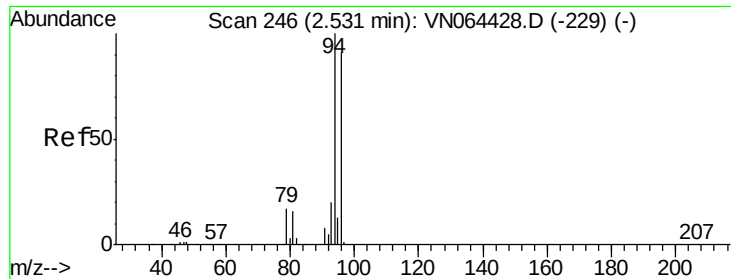
400

200

0

Time--> 2.00 2.02 2.04 2.06 2.08





#5

Bromomethane

Concen: 0.284 ug/l

RT: 2.55 min Scan# 252

Delta R.T. 0.02 min

Lab File: VN064440.D

Acq: 4 Nov 2020 16:49

Instrument :

MSVOA_N

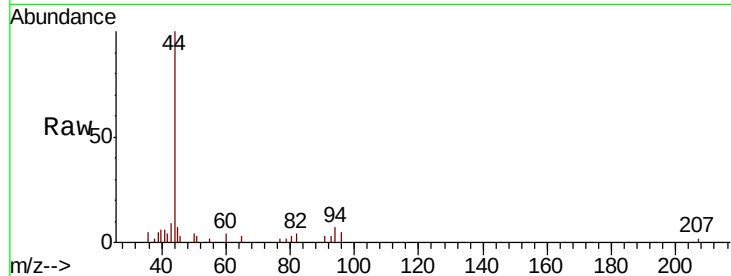
ClientSampled :

Tot Ion: 94 Resp: 746

Ion Ratio Lower Upper

94 100

96 75.9 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

600

500

400

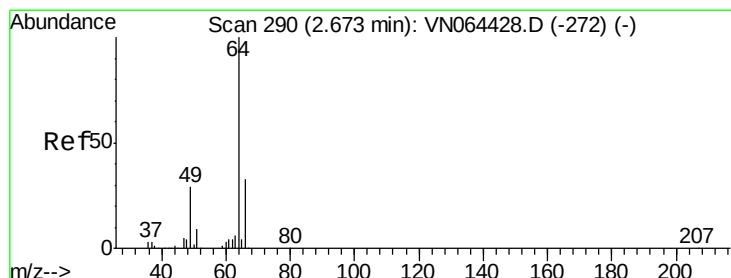
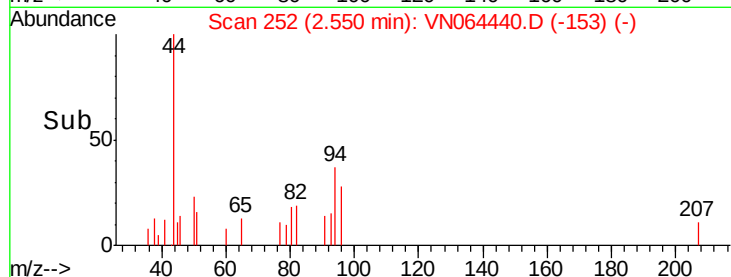
300

200

100

0

Time-->



#6

Chloroethane

Concen: 0.758 ug/l

RT: 2.69 min Scan# 294

Delta R.T. 0.01 min

Lab File: VN064440.D

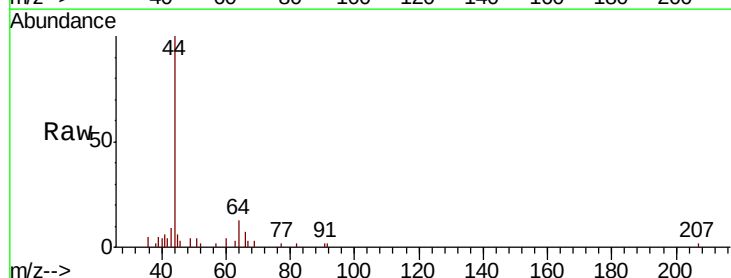
Acq: 4 Nov 2020 16:49

Tgt Ion: 64 Resp: 1993

Ion Ratio Lower Upper

64 100

66 54.3 26.1 39.1#



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.69

1200

1000

800

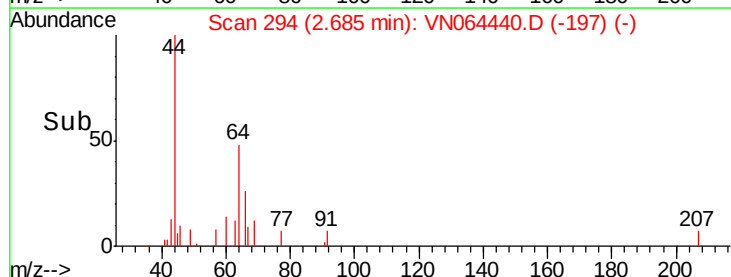
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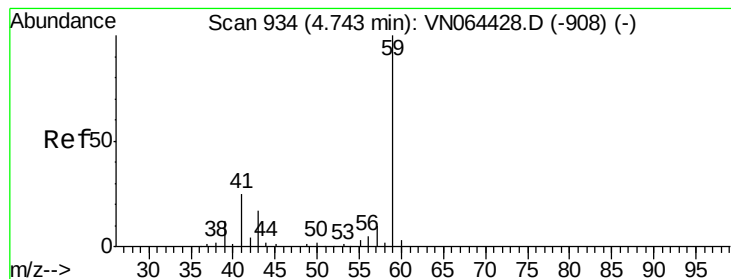
400

200

0

Time-->



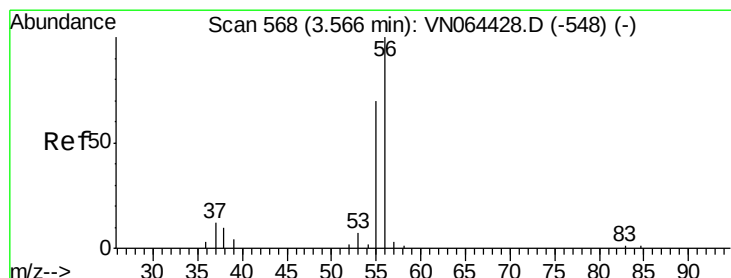
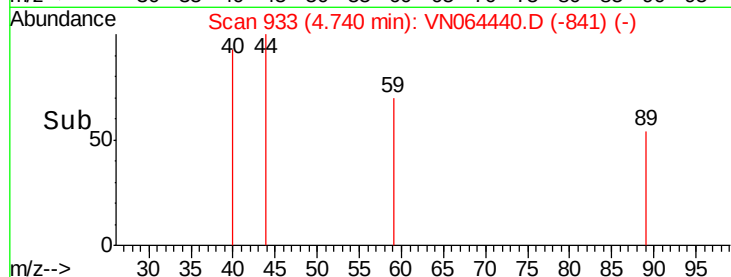
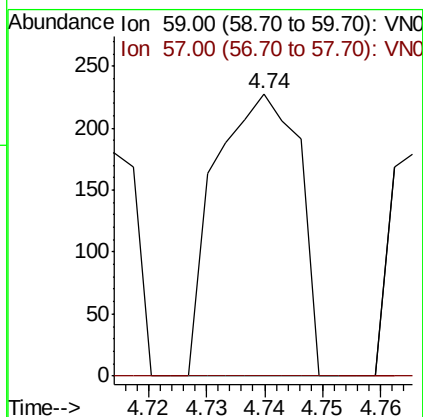
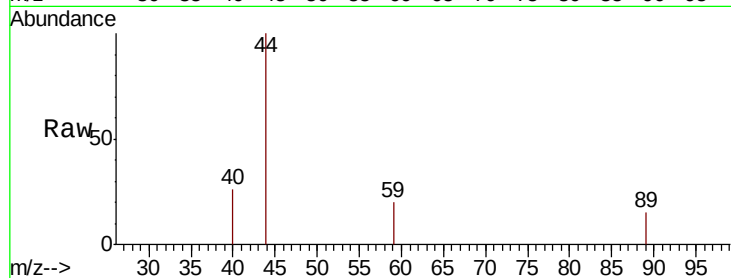


#11

Tert butyl alcohol
 Concen: 0.470 ug/l
 RT: 4.74 min Scan# 933
 Delta R.T. -0.00 min
 Lab File: VN064440.D
 Acq: 4 Nov 2020 16:49

Instrument :
 MSVOA_N
 ClientSampled :

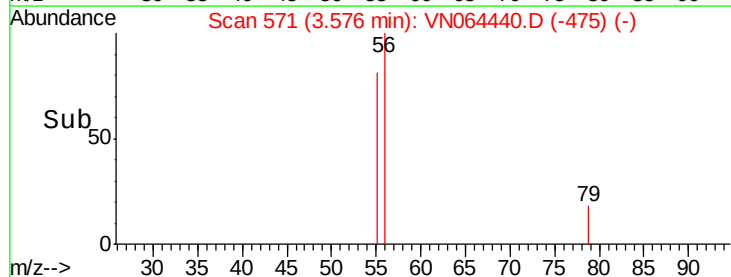
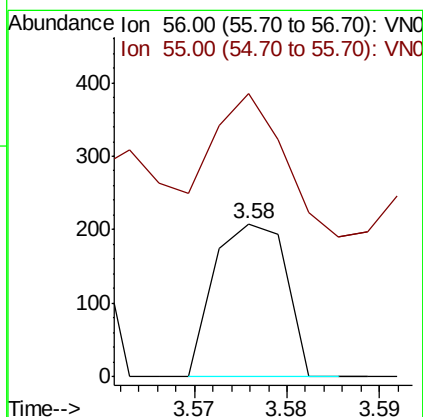
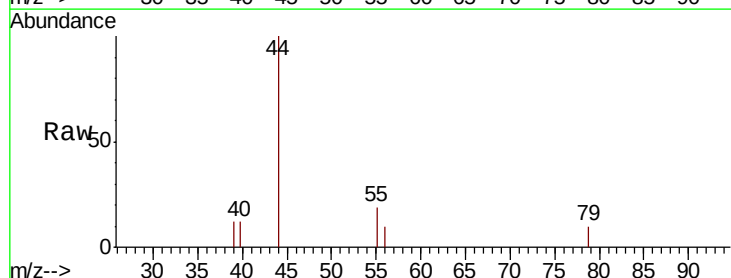
Tot Ion: 59 Resp: 228
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.0 13.4#

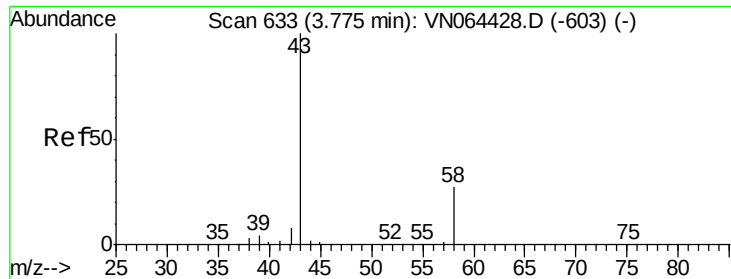


#13

Acrolein
 Concen: 0.369 ug/l
 RT: 3.58 min Scan# 571
 Delta R.T. 0.01 min
 Lab File: VN064440.D
 Acq: 4 Nov 2020 16:49

Tgt Ion: 56 Resp: 111
 Ion Ratio Lower Upper
 56 100
 55 254.1 55.9 83.9#

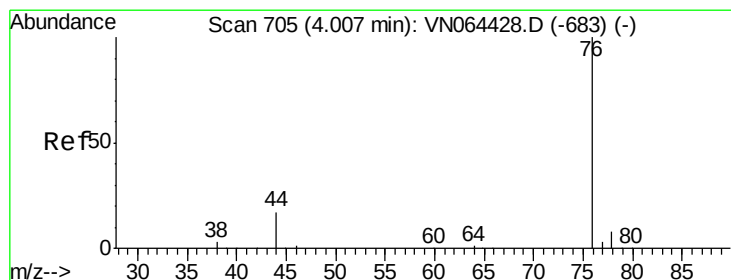
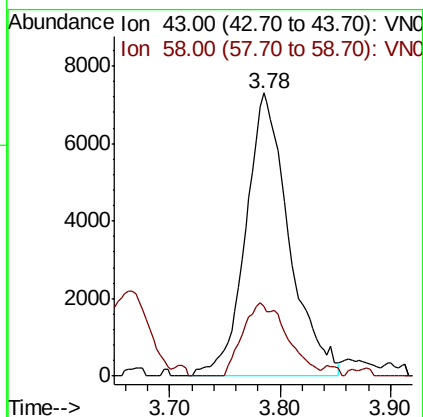
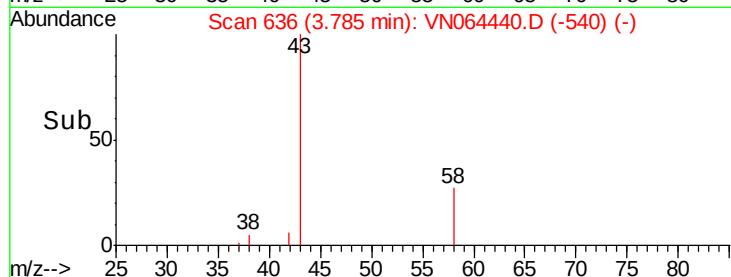
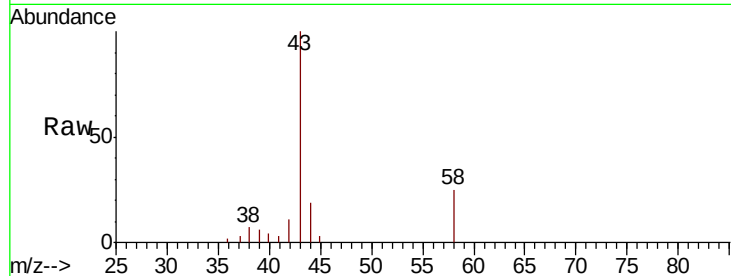




#16
Acetone
Concen: 11.860 ug/l
RT: 3.78 min Scan# 636
Delta R.T. 0.01 min
Lab File: VN064440.D
Acq: 4 Nov 2020 16:49

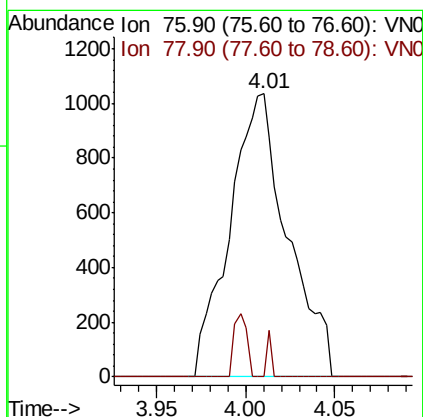
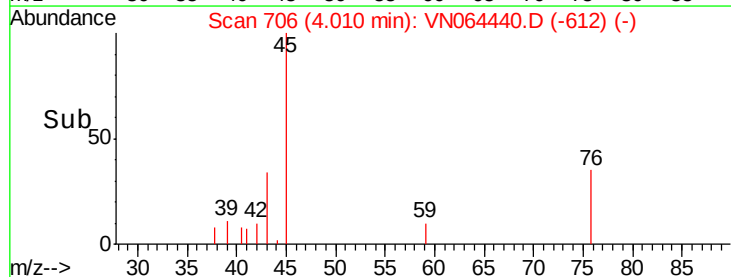
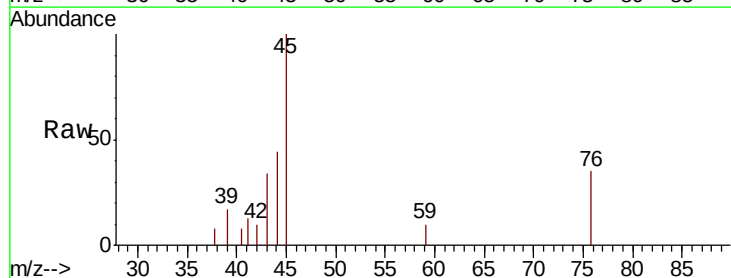
Instrument :
MSVOA_N
ClientSampleId :

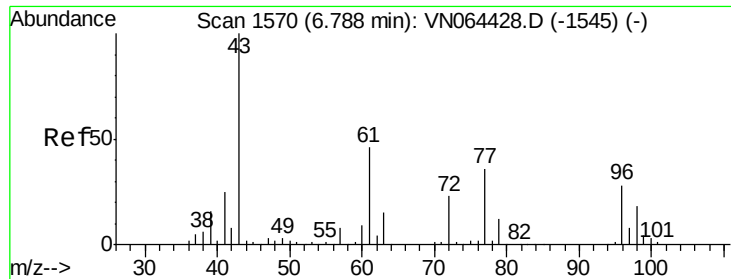
Tot Ion: 43 Resp: 19893
Ion Ratio Lower Upper
43 100
58 24.8 21.4 32.0



#17
Carbon Disulfide
Concen: 0.290 ug/l
RT: 4.01 min Scan# 706
Delta R.T. 0.00 min
Lab File: VN064440.D
Acq: 4 Nov 2020 16:49

Tgt Ion: 76 Resp: 2346
Ion Ratio Lower Upper
76 100
78 0.0 6.8 10.2#

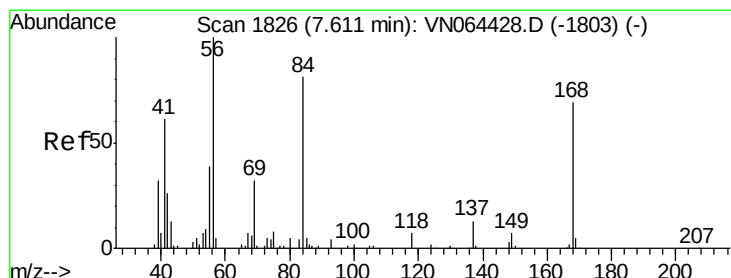
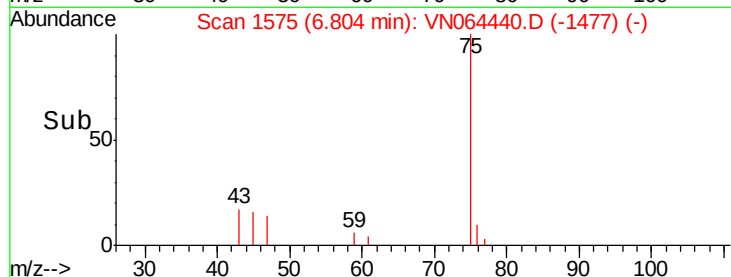
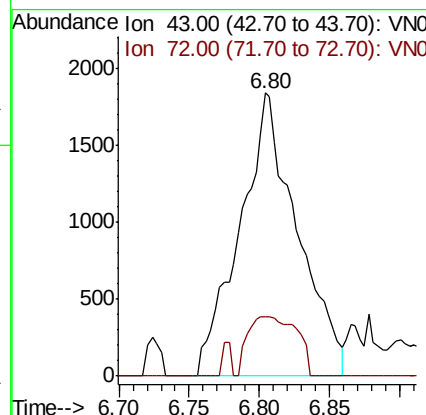
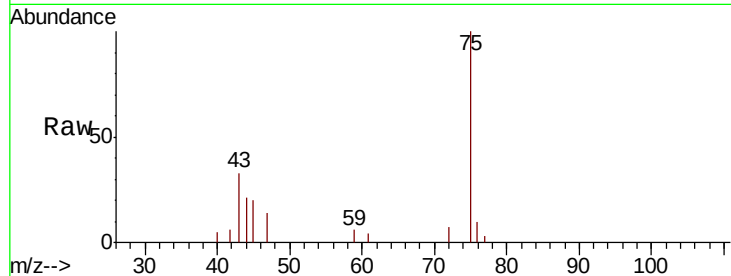




#25
2-Butanone
Concen: 2.444 ug/l
RT: 6.80 min Scan# 1575
Delta R.T. 0.02 min
Lab File: VN064440.D
Acq: 4 Nov 2020 16:49

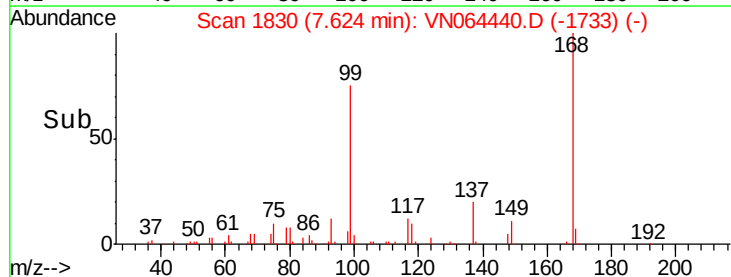
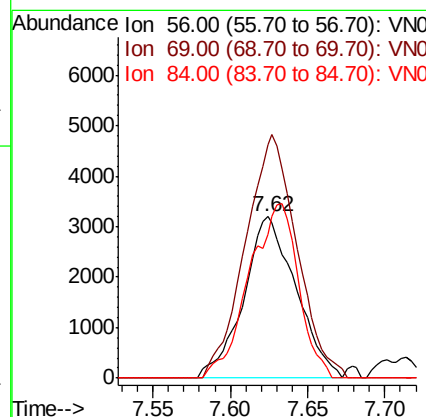
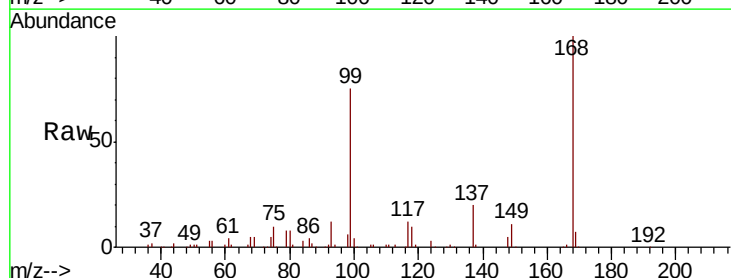
Instrument :
MSVOA_N
ClientSampled :

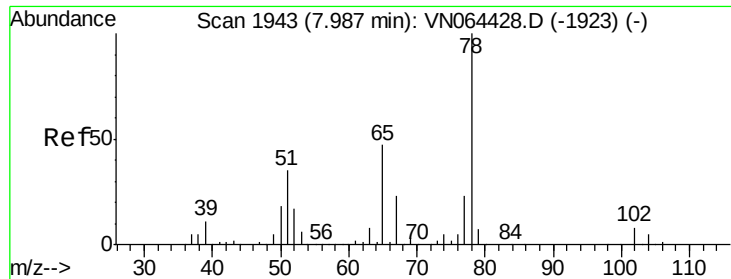
Tot Ion: 43 Resp: 5223
Ion Ratio Lower Upper
43 100
72 20.9 18.5 27.7



#31
Cyclohexane
Concen: 1.408 ug/l
RT: 7.62 min Scan# 1830
Delta R.T. 0.01 min
Lab File: VN064440.D
Acq: 4 Nov 2020 16:49

Tgt Ion: 56 Resp: 7539
Ion Ratio Lower Upper
56 100
69 144.5 25.6 38.4#
84 88.8 63.0 94.6

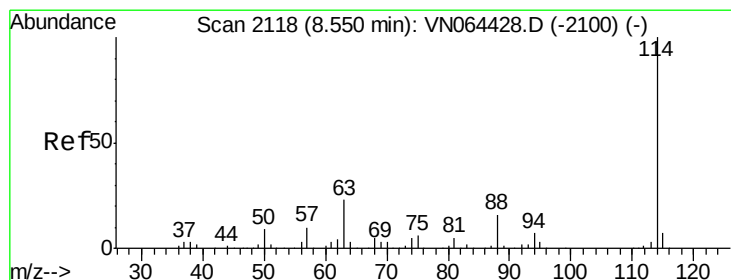
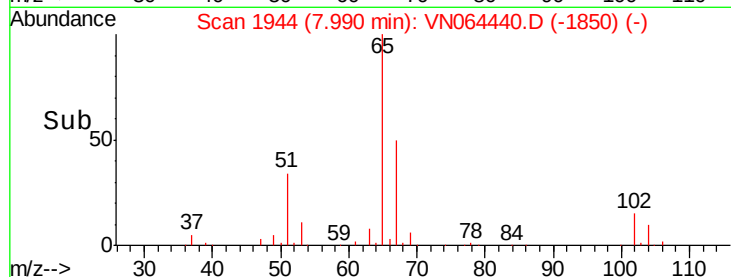
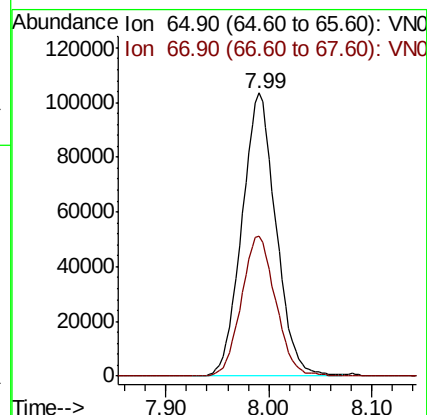
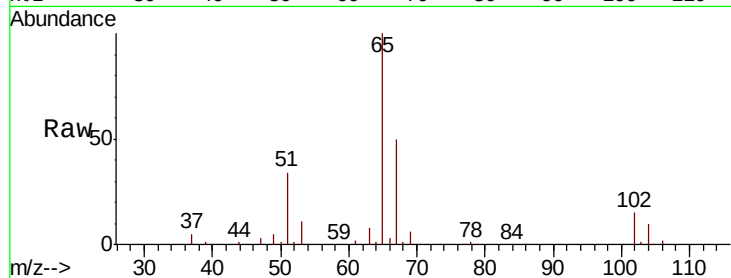




#33
 1,2-Dichloroethane-d4
 Concen: 53.803 ug/l
 RT: 7.99 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN064440.D
 Acq: 4 Nov 2020 16:49

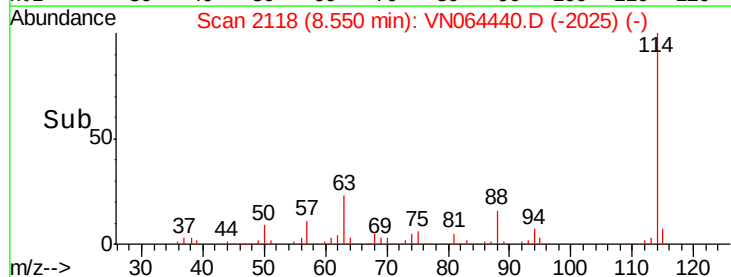
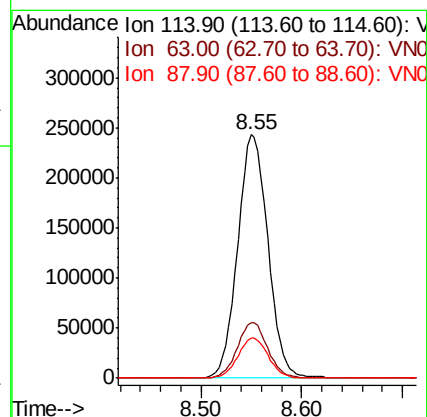
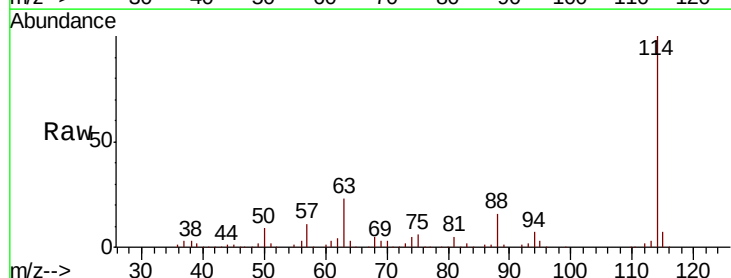
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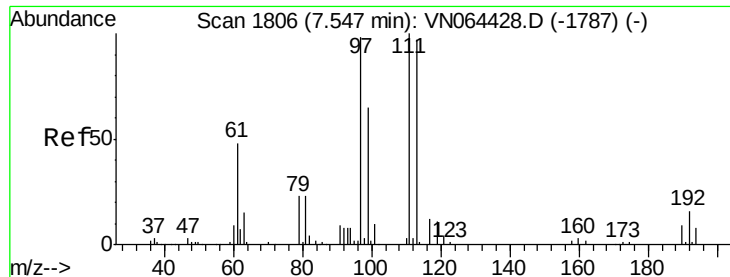
Tot Ion: 65 Resp: 236913
 Ion Ratio Lower Upper
 65 100
 67 49.7 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN064440.D
 Acq: 4 Nov 2020 16:49

Tgt Ion: 114 Resp: 507495
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 45.6
 88 16.4 0.0 32.8

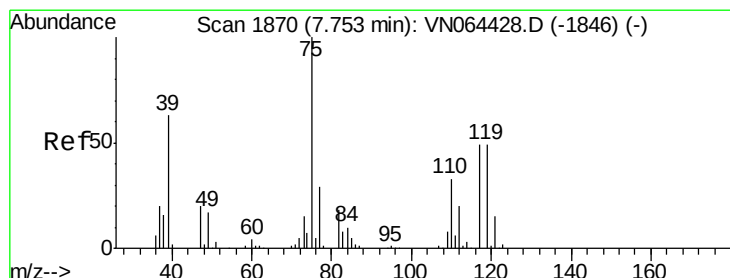
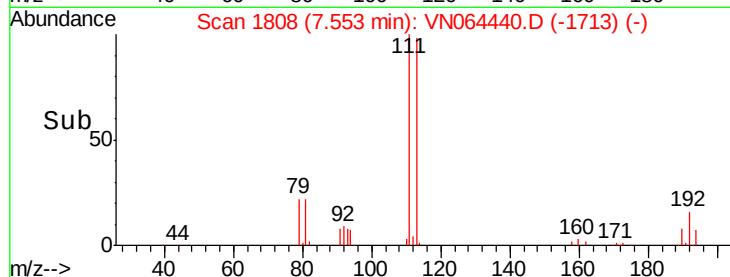
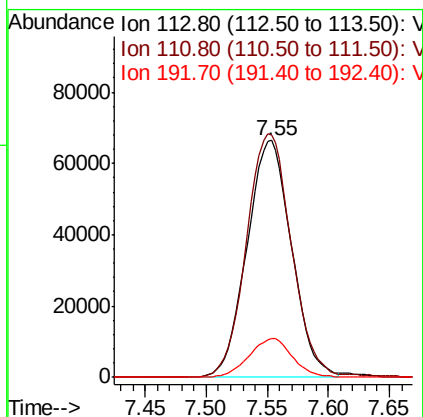
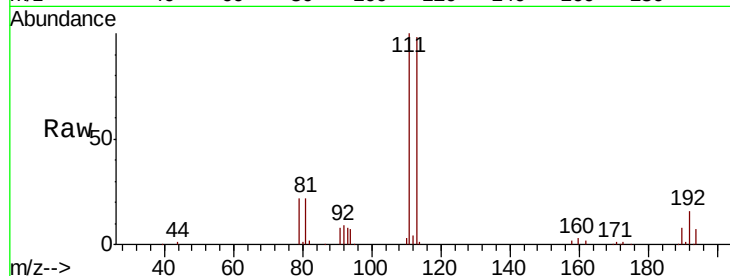




#35
 Dibromofluoromethane
 Concen: 48.735 ug/l
 RT: 7.55 min Scan# 1808
 Delta R.T. 0.01 min
 Lab File: VN064440.D
 Acq: 4 Nov 2020 16:49

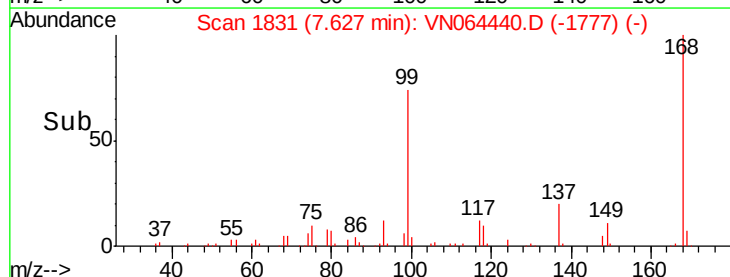
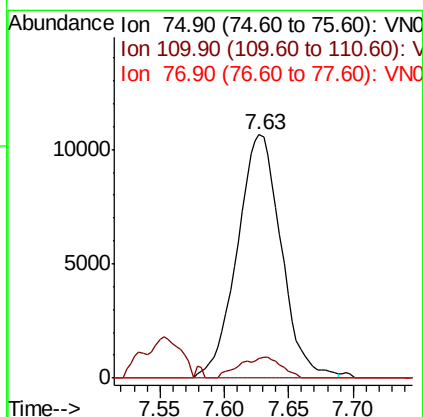
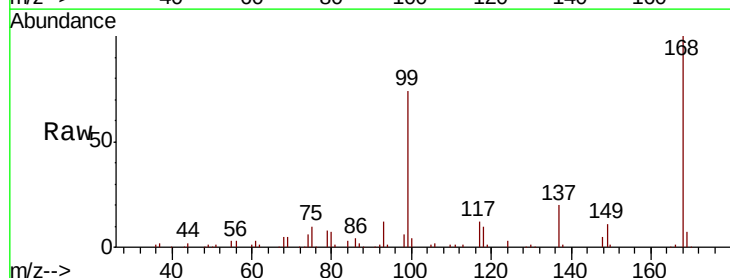
Instrument :
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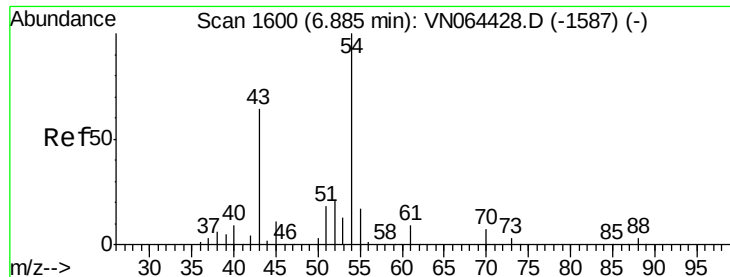
Tot Ion:113 Resp: 168396
 Ion Ratio Lower Upper
 113 100
 111 103.8 81.1 121.7
 192 15.9 12.8 19.2



#36
 1,1-Dichloropropene
 Concen: 4.704 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN064440.D
 Acq: 4 Nov 2020 16:49

Tgt Ion: 75 Resp: 25222
 Ion Ratio Lower Upper
 75 100
 110 8.3 16.0 48.0#
 77 0.0 24.0 36.0#

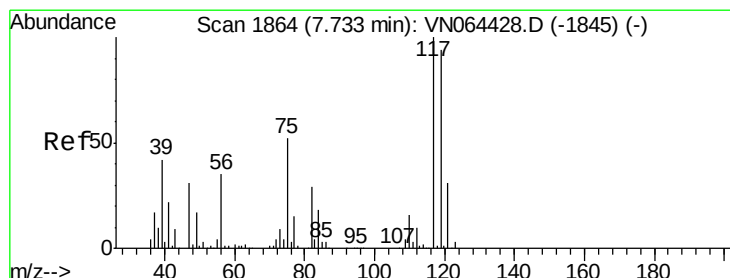
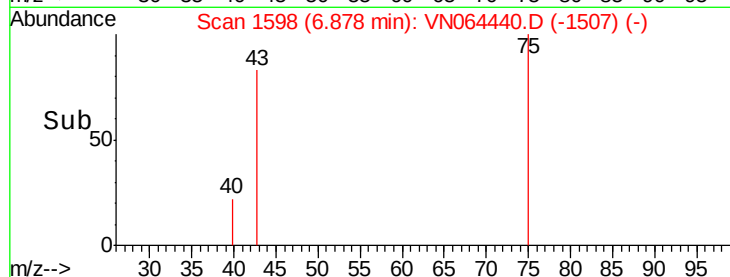
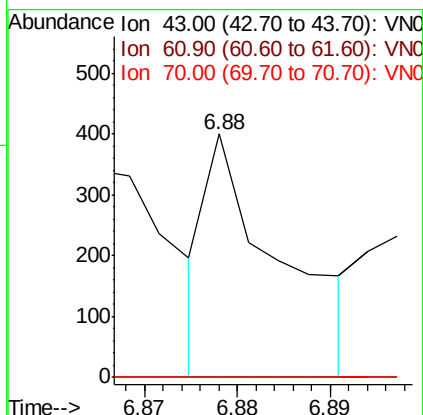
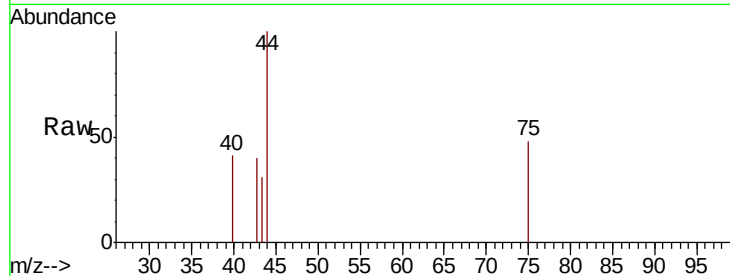




#37
Ethyl Acetate
Concen: 0.803 ug/l
RT: 6.88 min Scan# 1598
Delta R.T. -0.01 min
Lab File: VN064440.D
Acq: 4 Nov 2020 16:49

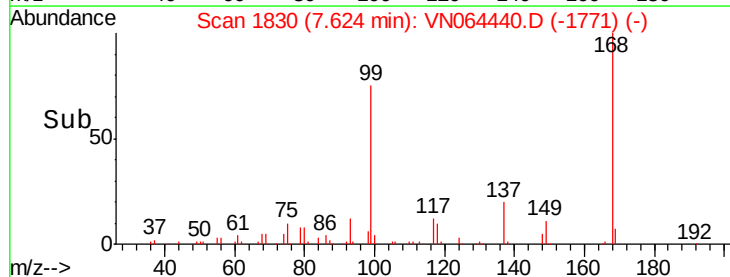
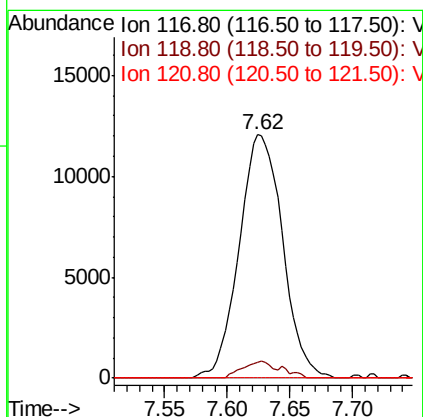
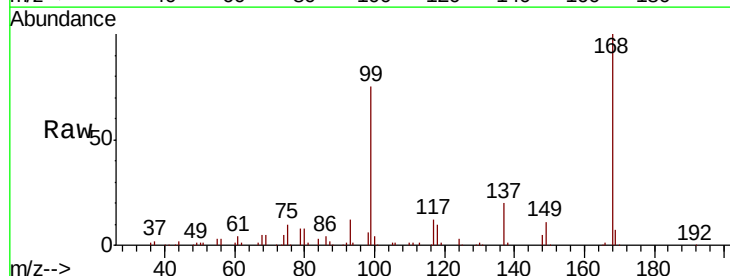
Instrument :
MSVOA_N
ClientSampled :

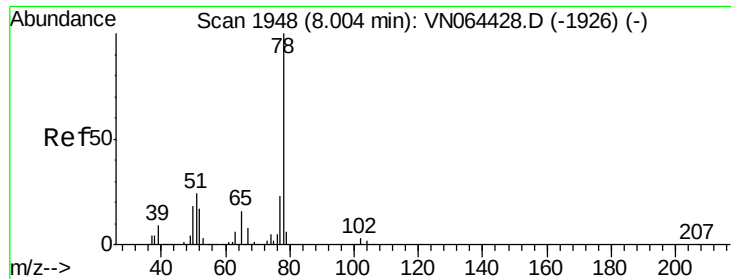
Tot Ion: 43 Resp: 222
Ion Ratio Lower Upper
43 100
61 0.0 10.0 15.0#
70 0.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 5.064 ug/l
RT: 7.62 min Scan# 1830
Delta R.T. -0.11 min
Lab File: VN064440.D
Acq: 4 Nov 2020 16:49

Tgt Ion: 117 Resp: 29018
Ion Ratio Lower Upper
117 100
119 6.6 75.5 113.3#
121 0.0 24.4 36.6#

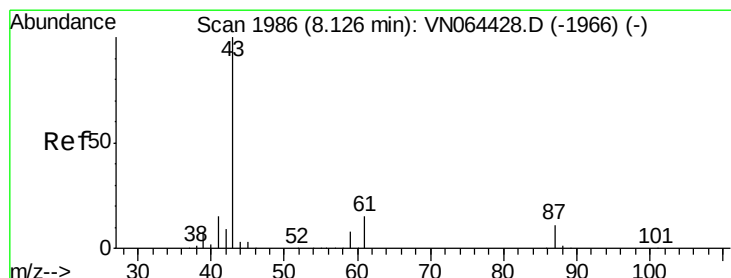
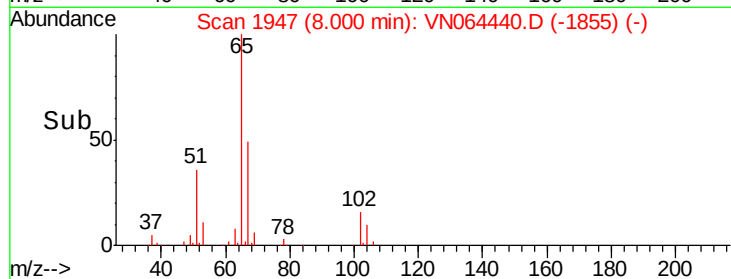
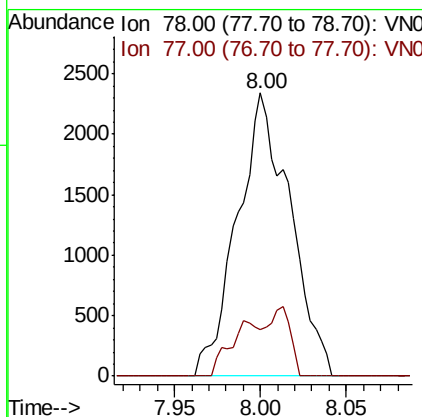
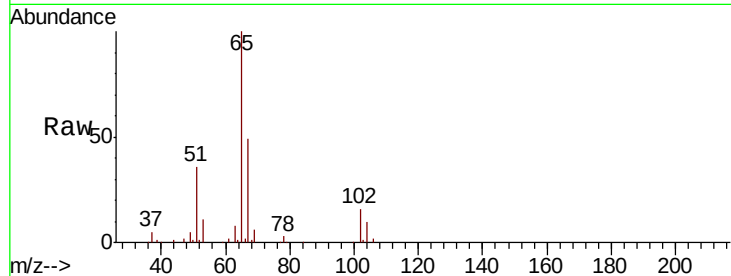




#40
Benzene
Concen: 0.316 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN064440.D
Acq: 4 Nov 2020 16:49

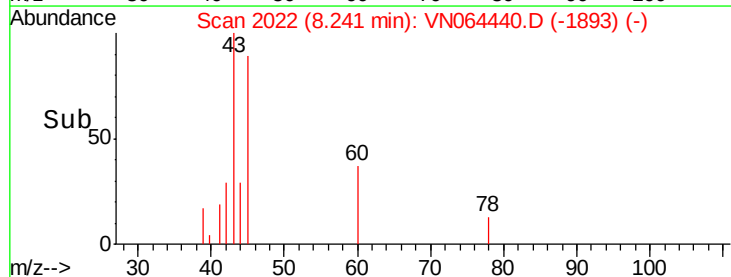
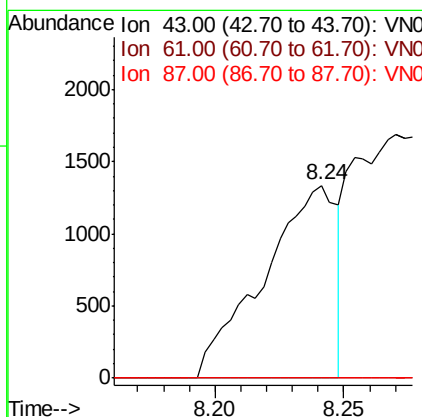
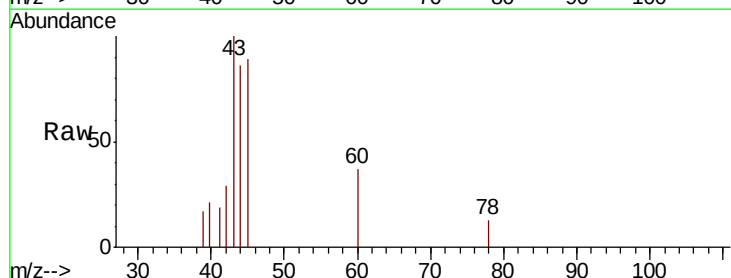
Instrument :
MSVOA_N
ClientSampled :

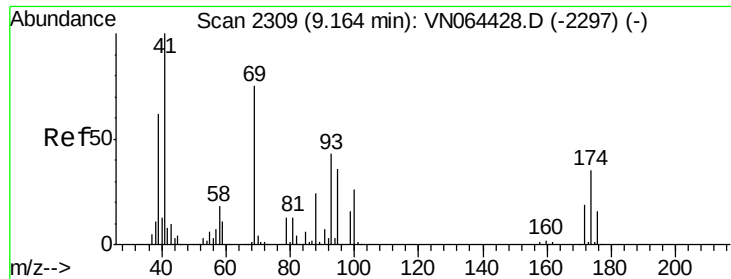
Tot Ion: 78 Resp: 4980
Ion Ratio Lower Upper
78 100
77 16.4 18.7 28.1#



#43
Isopropyl Acetate
Concen: 0.303 ug/l
RT: 8.24 min Scan# 2022
Delta R.T. 0.12 min
Lab File: VN064440.D
Acq: 4 Nov 2020 16:49

Tgt Ion: 43 Resp: 2634
Ion Ratio Lower Upper
43 100
61 0.0 14.0 21.0#
87 0.0 9.1 13.7#

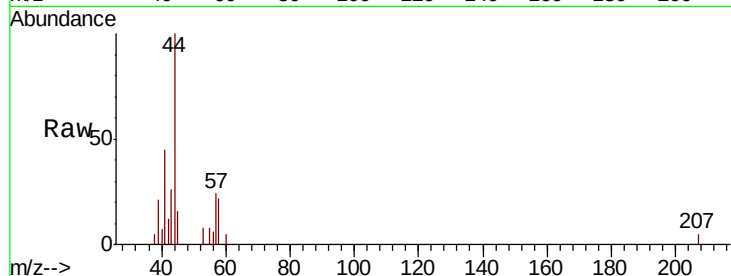




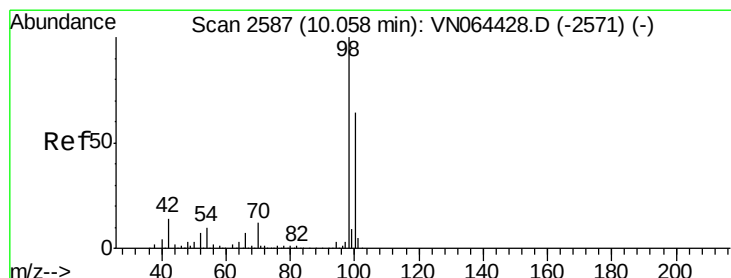
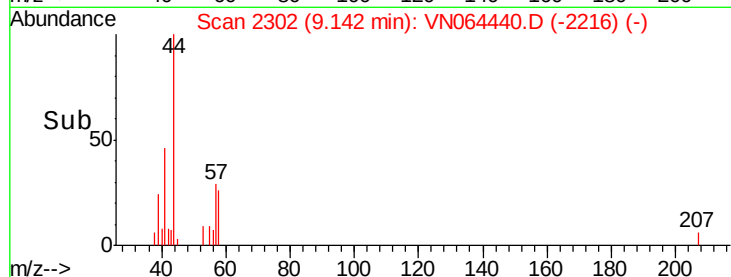
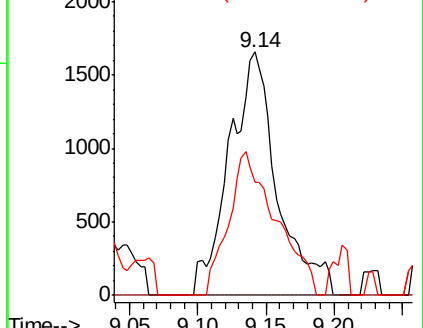
#48
Methyl methacrylate
Concen: 0.925 ug/l
RT: 9.14 min Scan# 2302
Delta R.T. -0.02 min
Lab File: VN064440.D
Acq: 4 Nov 2020 16:49

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 41 Resp: 4055
Ion Ratio Lower Upper
41 100
69 0.0 60.4 90.6#
39 58.0 51.2 76.8

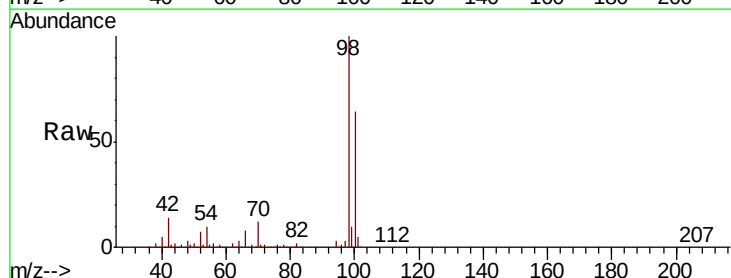


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

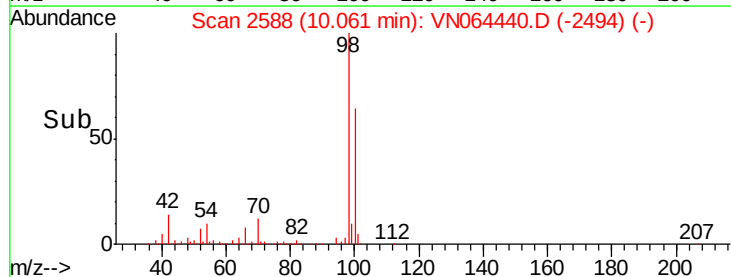
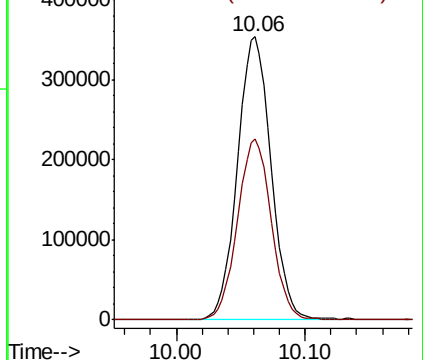


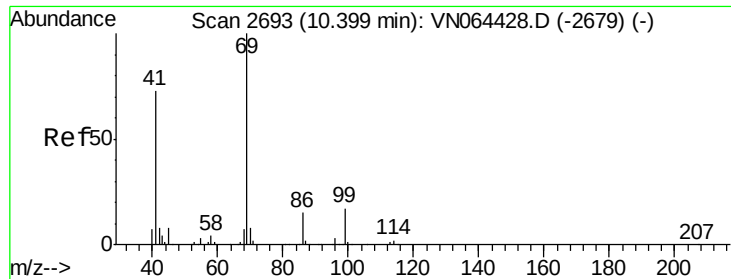
#50
Toluene-d8
Concen: 48.066 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN064440.D
Acq: 4 Nov 2020 16:49

Tgt Ion: 98 Resp: 641921
Ion Ratio Lower Upper
98 100
100 64.3 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#56

Ethyl methacrylate

Concen: 1.850 ug/l

RT: 10.40 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VN064440.D

Acq: 4 Nov 2020 16:49

Instrument :

MSVOA_N

ClientSampled :

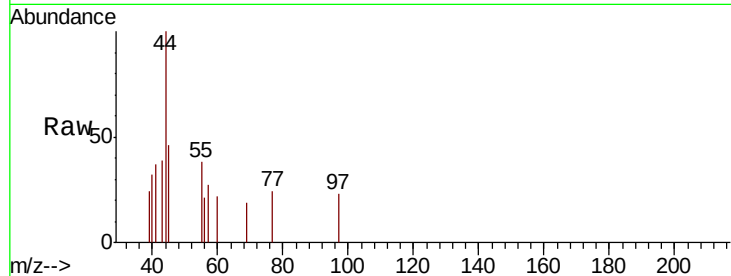
Tot Ion: 69 Resp: 60

Ion Ratio Lower Upper

69 100

41 573.3 59.3 88.9#

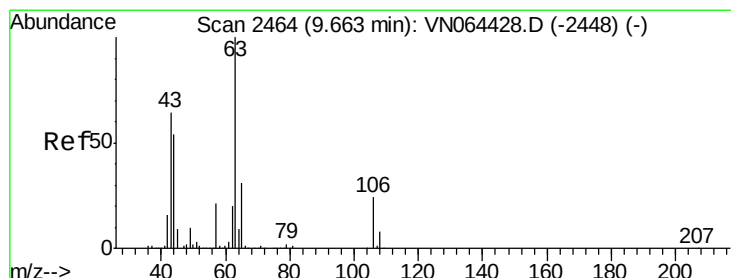
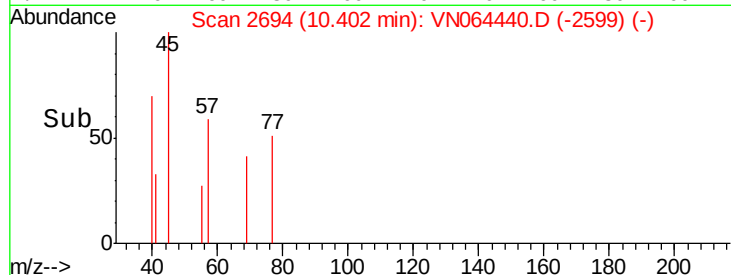
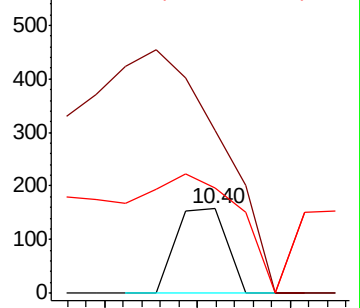
39 461.7 35.4 53.0#



Abundance Ion 69.00 (68.70 to 69.70): VN064440.D (-2599) (-)

Ion 41.00 (40.70 to 41.70): VN064440.D (-2599) (-)

Ion 39.00 (38.70 to 39.70): VN064440.D (-2599) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 21.549 ug/l

RT: 9.59 min Scan# 2441

Delta R.T. -0.07 min

Lab File: VN064440.D

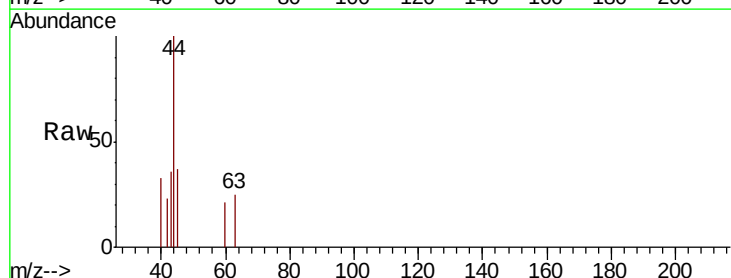
Acq: 4 Nov 2020 16:49

Tgt Ion: 63 Resp: 35

Ion Ratio Lower Upper

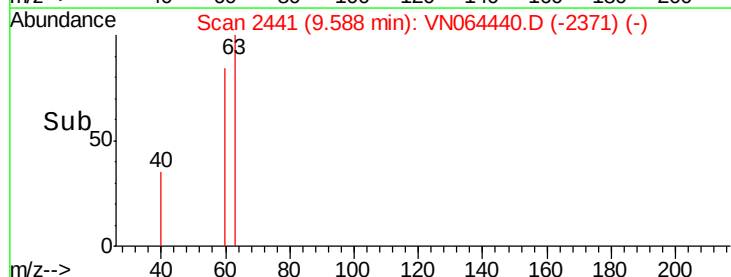
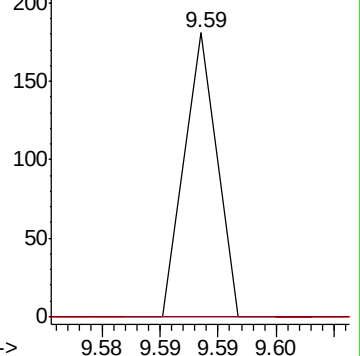
63 100

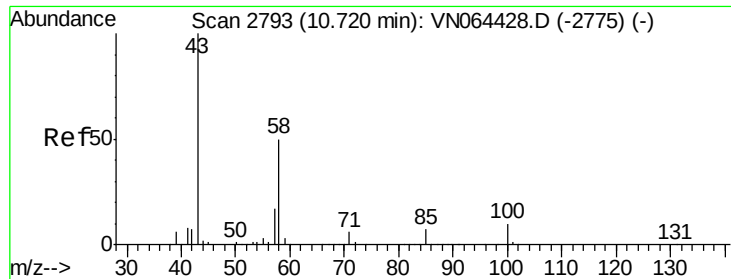
106 0.0 19.5 29.3#



Abundance Ion 62.90 (62.60 to 63.60): VN064440.D (-2371) (-)

Ion 105.90 (105.60 to 106.60): VN064440.D (-2371) (-)

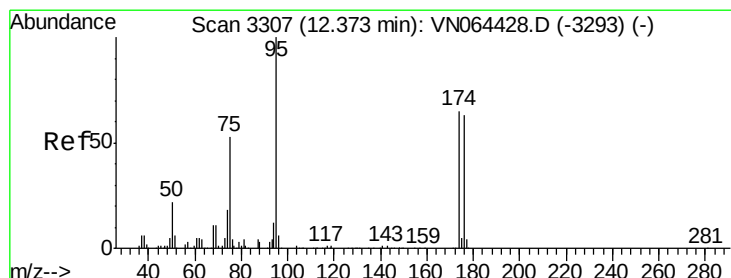
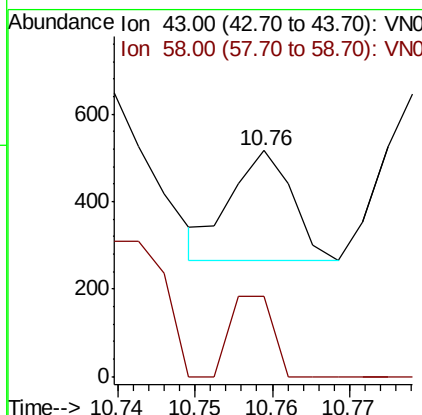
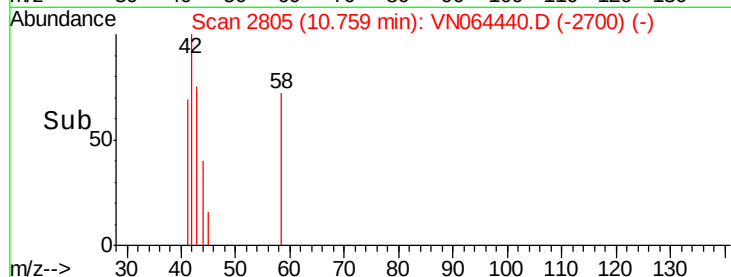
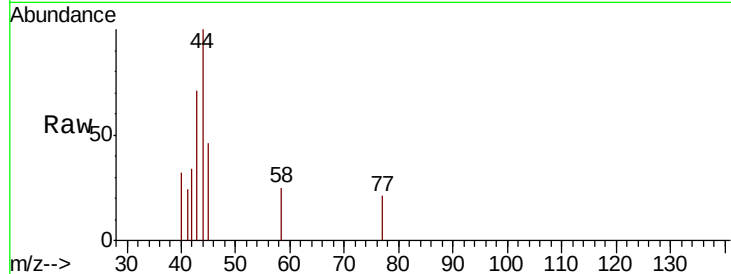




#59
2-Hexanone
Concen: 4.061 ug/l
RT: 10.76 min Scan# 2805
Delta R.T. 0.04 min
Lab File: VN064440.D
Acq: 4 Nov 2020 16:49

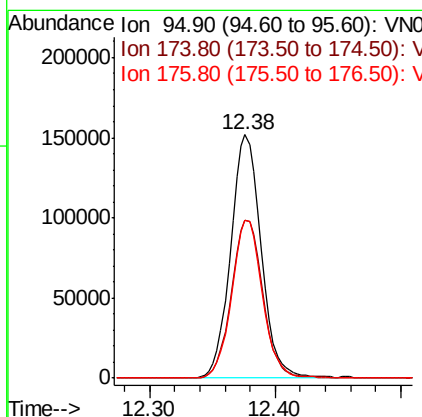
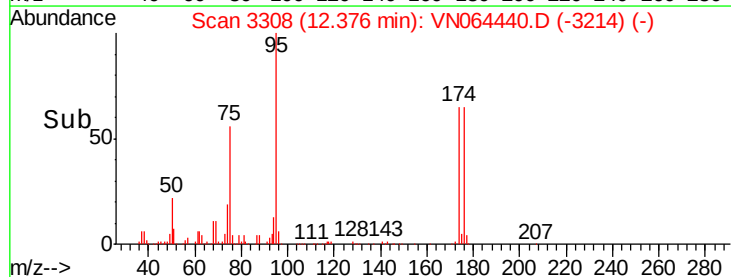
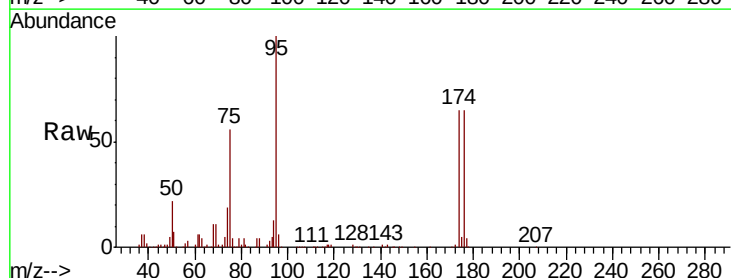
Instrument :
MSVOA_N
ClientSampled :

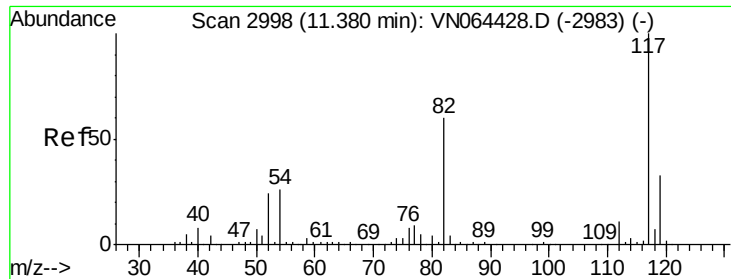
Tot Ion: 43 Resp: 140
Ion Ratio Lower Upper
43 100
58 50.0 24.7 74.1



#62
4-Bromofluorobenzene
Concen: 50.742 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064440.D
Acq: 4 Nov 2020 16:49

Tgt Ion: 95 Resp: 256280
Ion Ratio Lower Upper
95 100
174 67.2 0.0 132.6
176 65.5 0.0 129.2

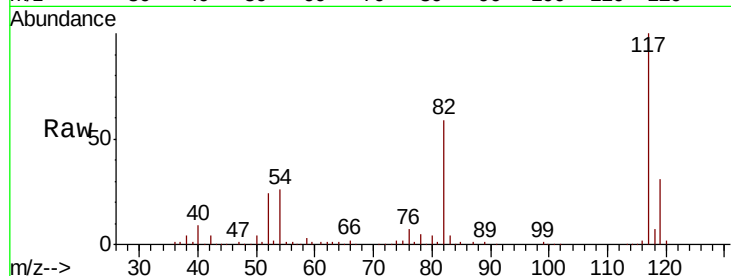




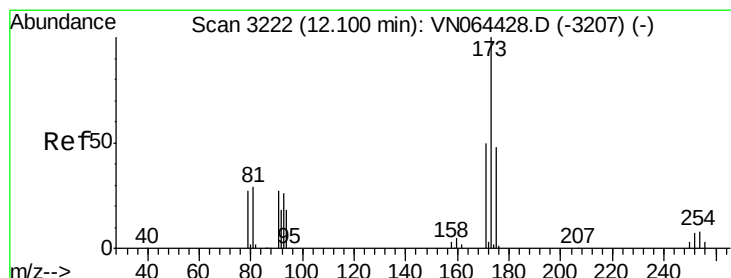
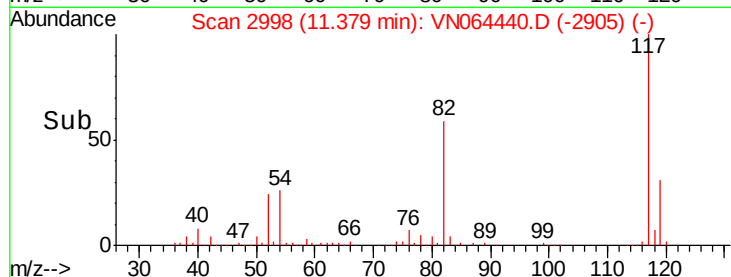
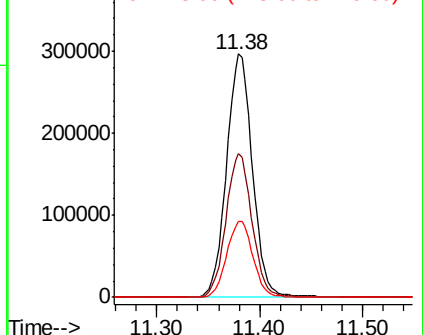
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064440.D
Acq: 4 Nov 2020 16:49

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 519335
Ion Ratio Lower Upper
117 100
82 59.3 48.1 72.1
119 31.1 26.2 39.4

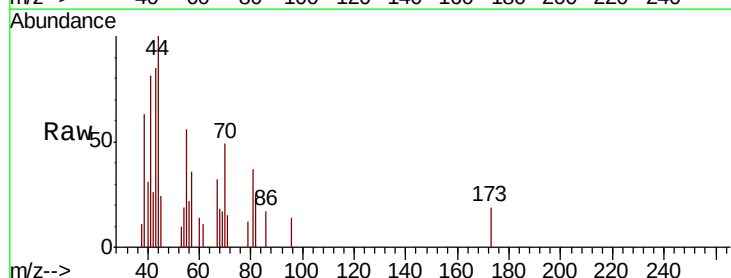


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

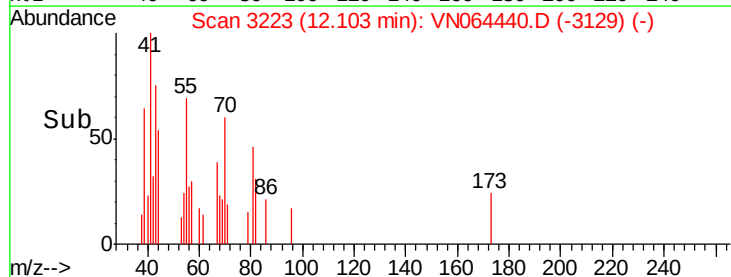
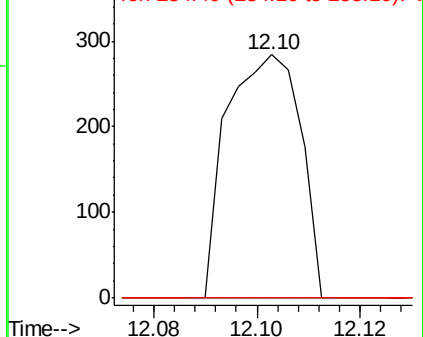


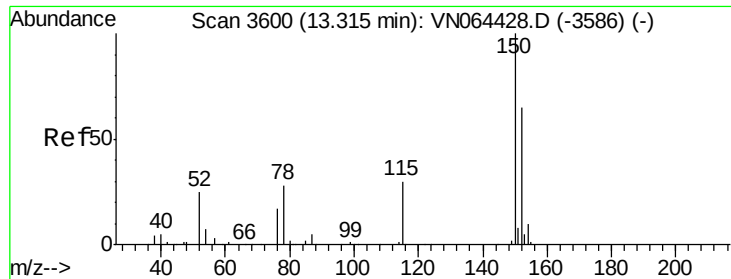
#71
Bromoform
Concen: 1.360 ug/l
RT: 12.10 min Scan# 3223
Delta R.T. 0.00 min
Lab File: VN064440.D
Acq: 4 Nov 2020 16:49

Tgt Ion:173 Resp: 279
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: VN064440.D

Acq: 4 Nov 2020 16:49

Instrument :

MSVOA_N

ClientSampleId :

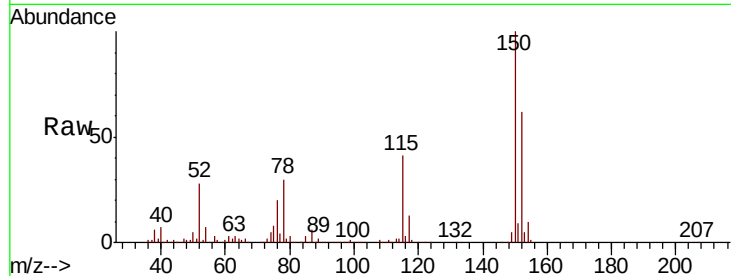
Tot Ion:152 Resp: 191295

Ion Ratio Lower Upper

152 100

115 66.5 32.0 96.0

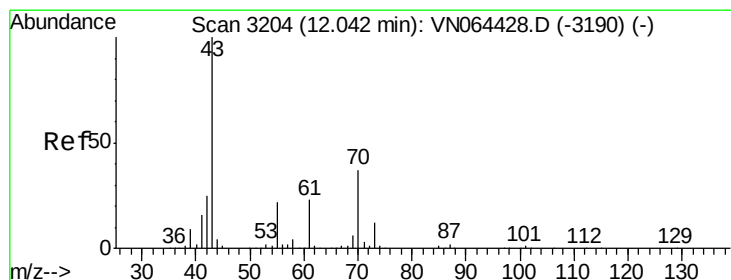
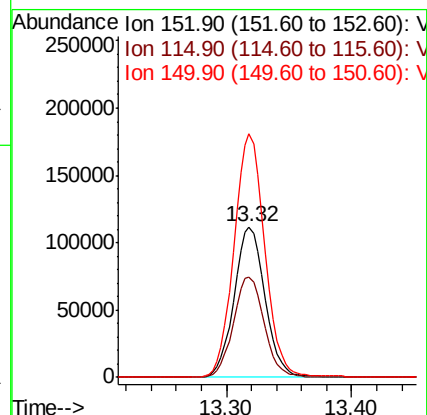
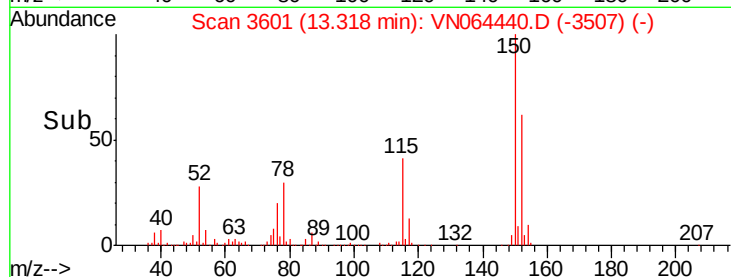
150 161.1 0.0 353.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 1.230 ug/l

RT: 12.07 min Scan# 3212

Delta R.T. 0.03 min

Lab File: VN064440.D

Acq: 4 Nov 2020 16:49

Tgt Ion: 43 Resp: 122

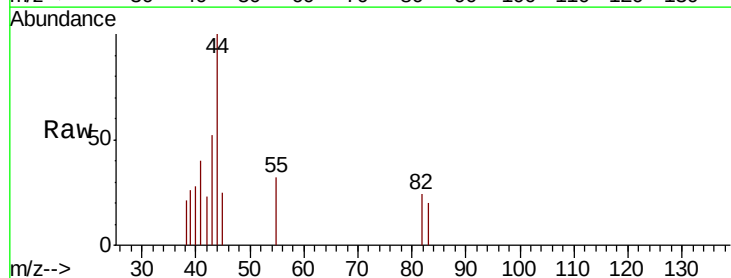
Ion Ratio Lower Upper

43 100

70 0.0 29.6 44.4#

55 588.5 18.4 27.6#

61 0.0 17.8 26.6#

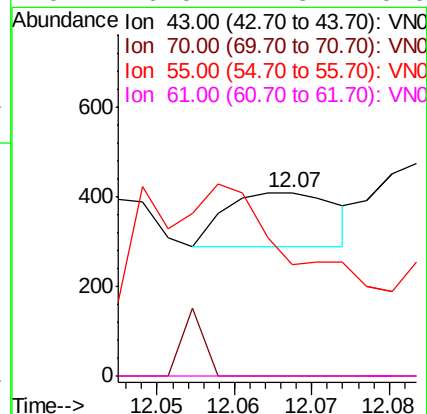
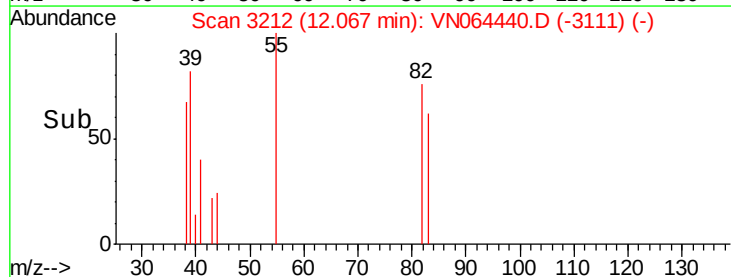


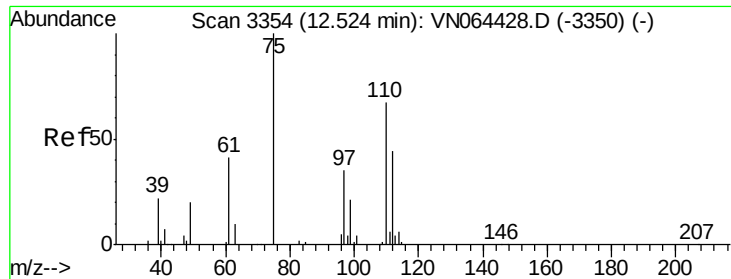
Abundance Ion 43.00 (42.70 to 43.70): V

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: 31.221 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064440.D

Acq: 4 Nov 2020 16:49

Instrument :

MSVOA_N

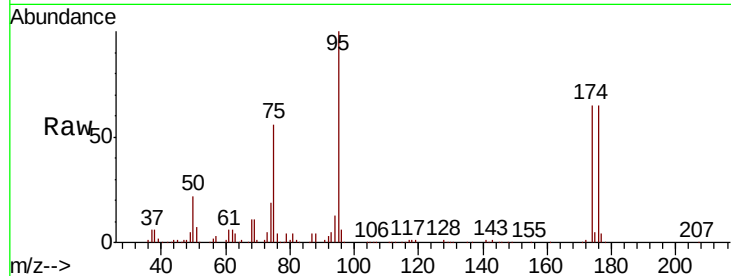
ClientSampleId :

Tot Ion: 75 Resp: 144708

Ion Ratio Lower Upper

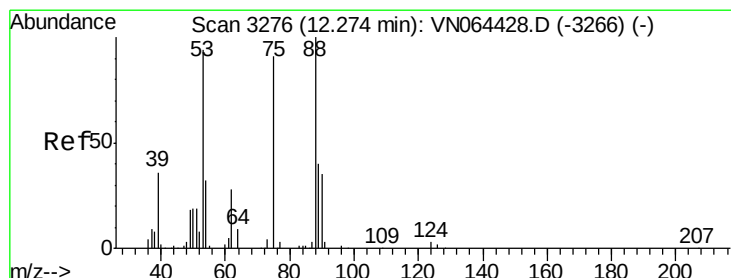
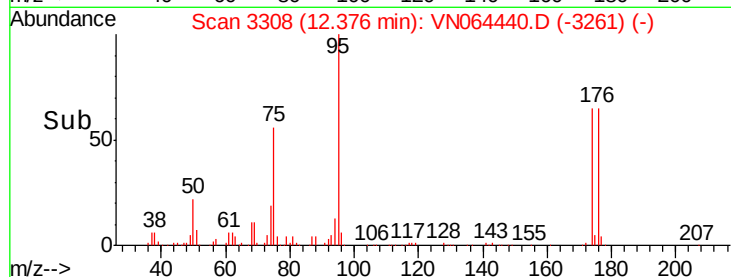
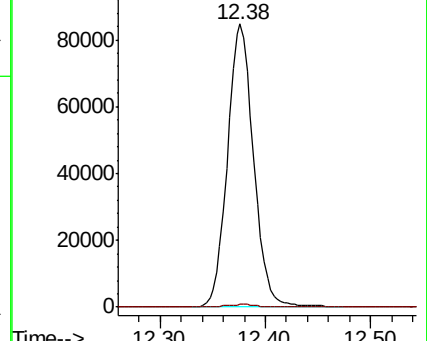
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 87.173 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064440.D

Acq: 4 Nov 2020 16:49

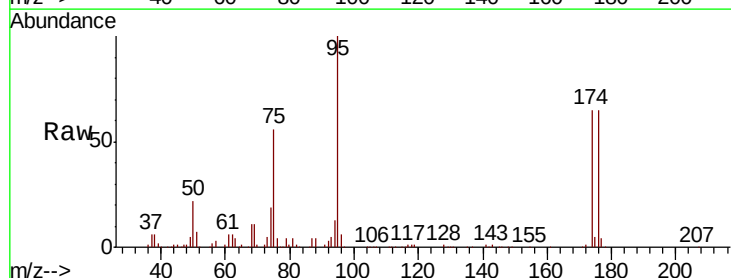
Tgt Ion: 75 Resp: 144708

Ion Ratio Lower Upper

75 100

53 0.0 84.0 126.0#

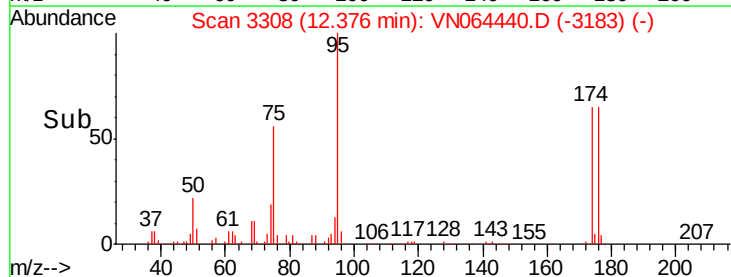
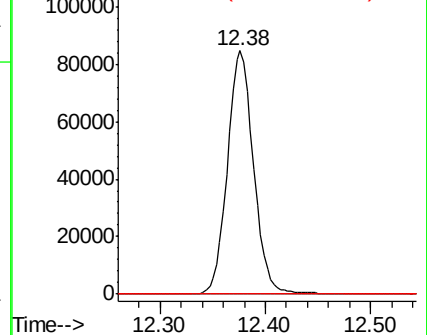
89 0.0 36.3 54.5#

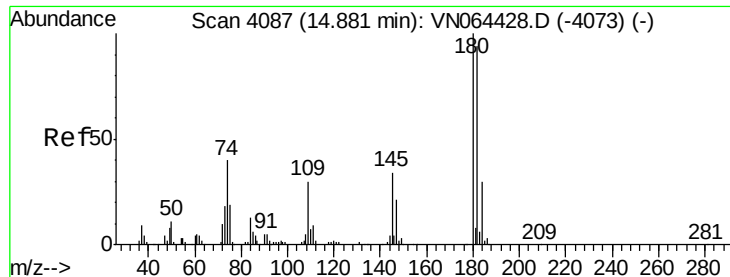


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

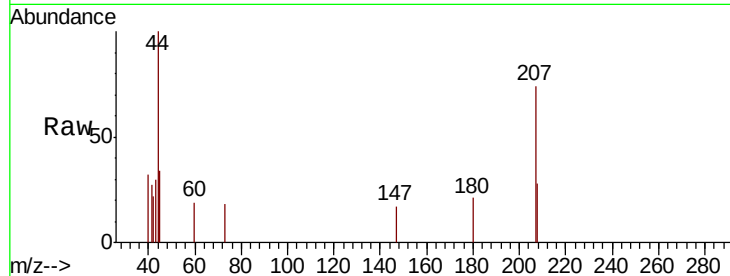




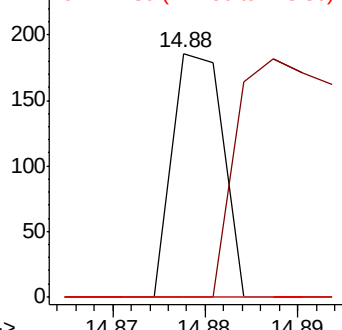
#93
 1,2,4-Trichlorobenzene
 Concen: 2.686 ug/l
 RT: 14.88 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN064440.D
 Acq: 4 Nov 2020 16:49

Instrument :
 MSVOA_N
 ClientSampled :

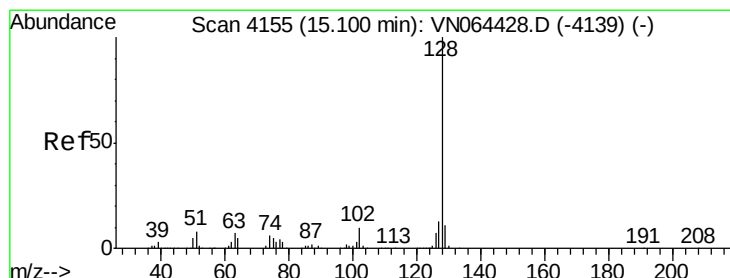
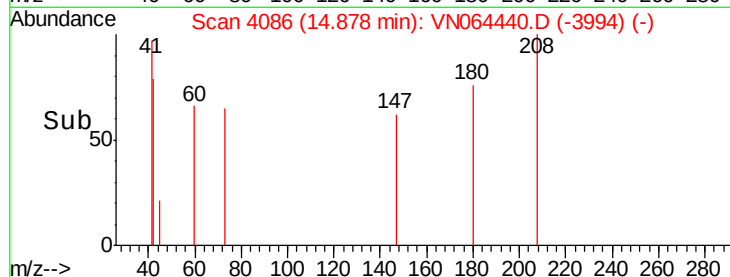
Tot Ion:180 Resp: 70
 Ion Ratio Lower Upper
 180 100
 182 231.4 47.3 142.0#
 145 0.0 16.7 50.1#



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

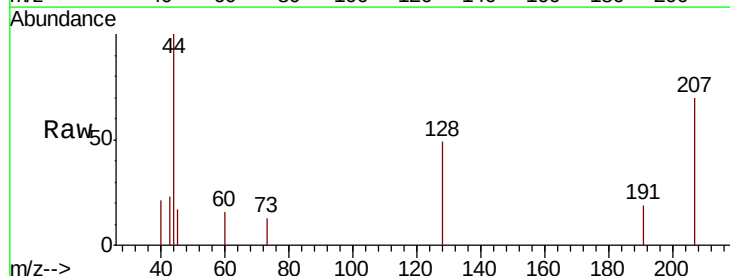


Time-->

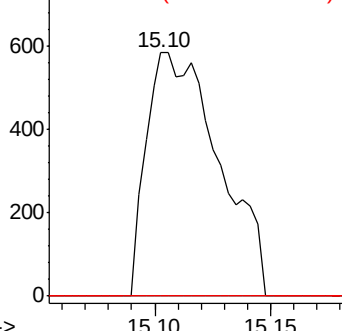


#95
 Naphthalene
 Concen: 3.735 ug/l
 RT: 15.10 min Scan# 4156
 Delta R.T. 0.00 min
 Lab File: VN064440.D
 Acq: 4 Nov 2020 16:49

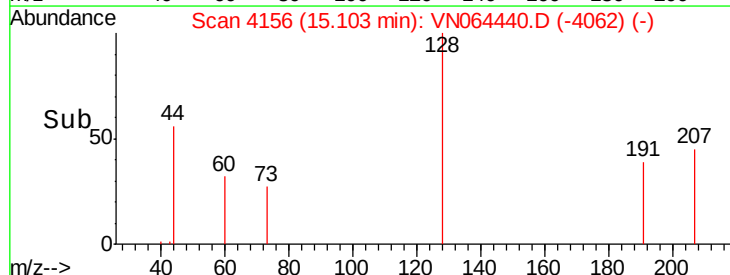
Tgt Ion:128 Resp: 1271
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.5 15.7#
 129 0.0 8.8 13.2#

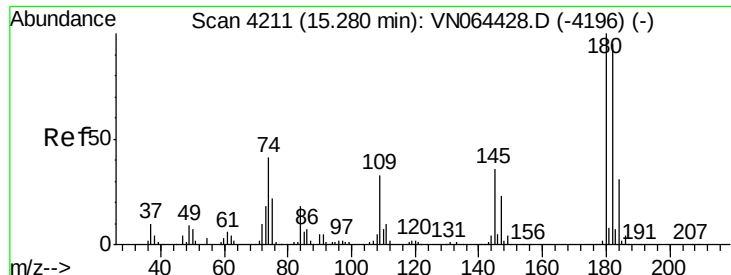


Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V



Time-->





#96
 1,2,3-Trichlorobenzene
 Concen: 2.816 ug/l
 RT: 15.28 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN064440.D
 Acq: 4 Nov 2020 16:49

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 128
 Ion Ratio Lower Upper
 180 100
 182 52.3 47.7 143.1
 145 0.0 18.3 54.8#

