

Data File : VN064106.D
Acq On : 13 Oct 2020 17:10
Operator : JC/MD
Sample : L4333-12
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
OH-WC-C-CIRE

Quant Time: Oct 14 03:01:16 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 01 01:46:38 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	228979	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	425586	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	442206	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	166867	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	191680	50.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.34%	
35) Dibromofluoromethane	7.55	113	94805	32.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	64.20%	
50) Toluene-d8	10.06	98	542437	48.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.90%	
62) 4-Bromofluorobenzene	12.38	95	213522	50.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.48%	

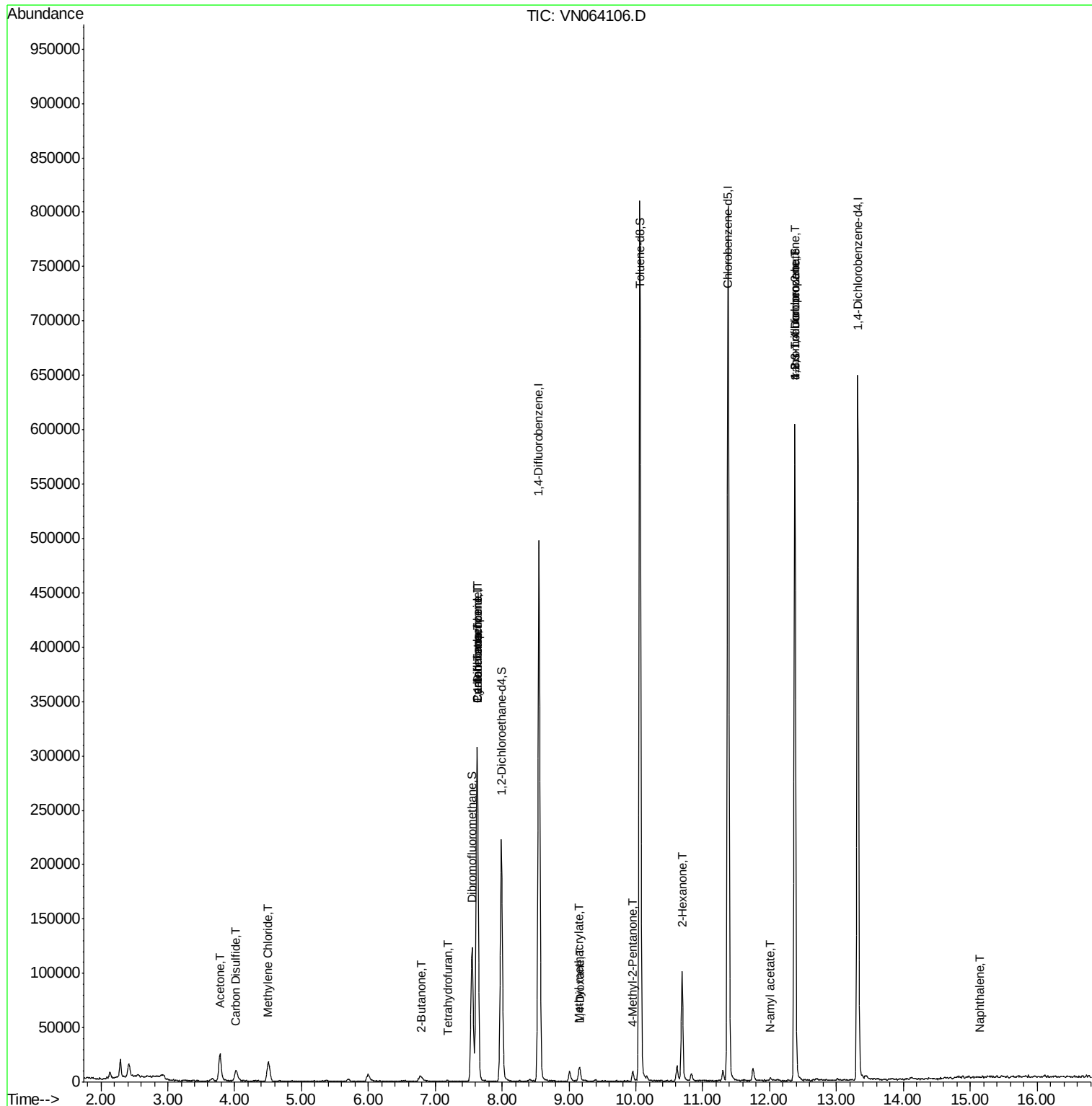
Target Compounds						Qvalue
16) Acetone	3.78	43	44267	38.014	ug/l	99
17) Carbon Disulfide	4.02	76	789	0.825	ug/l #	76
20) Methylene Chloride	4.50	84	12091	4.622	ug/l	96
25) 2-Butanone	6.80	43	2820	1.708	ug/l	94
29) Tetrahydrofuran	7.18	42	282	0.255	ug/l	95
31) Cyclohexane	7.63	56	5928	1.350	ug/l #	3
36) 1,1-Dichloropropene	7.62	75	21303	4.941	ug/l #	47
38) Carbon Tetrachloride	7.63	117	25113	5.194	ug/l #	15
48) Methyl methacrylate	9.14	41	4825	1.382	ug/l #	35
49) 1,4-Dioxane	9.17	88	63	1.270	ug/l #	20
51) 4-Methyl-2-Pentanone	9.95	43	7388	1.782	ug/l	93
59) 2-Hexanone	10.69	43	80096	26.003	ug/l #	28
74) N-amyl acetate	12.01	43	1905	2.538	ug/l #	53
76) 1,2,3-Trichloropropane	12.38	75	115503	31.400	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	115503	90.438	ug/l #	6
95) Naphthalene	15.13	128	697	1.999	ug/l #	80

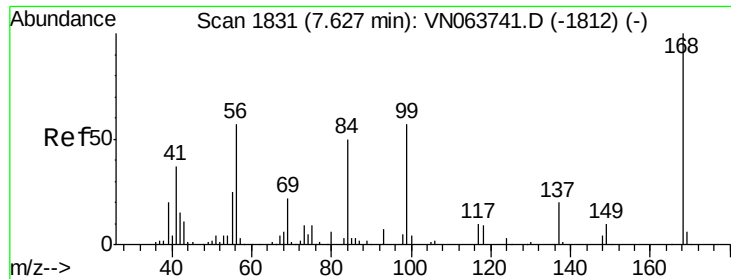
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064106.D

Acq: 13 Oct 2020 17:10

Instrument :

MSVOA_N

ClientSampleId :

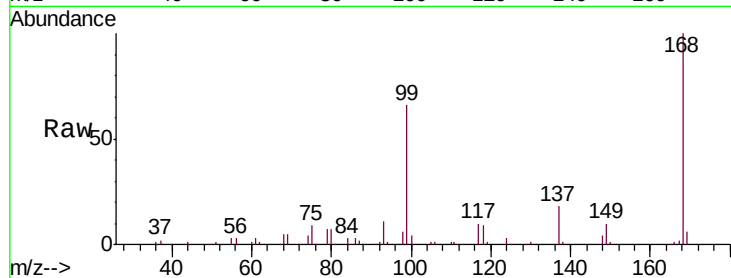
OH-WC-C-C1RE

Tgt Ion:168 Resp: 228979

Ion Ratio Lower Upper

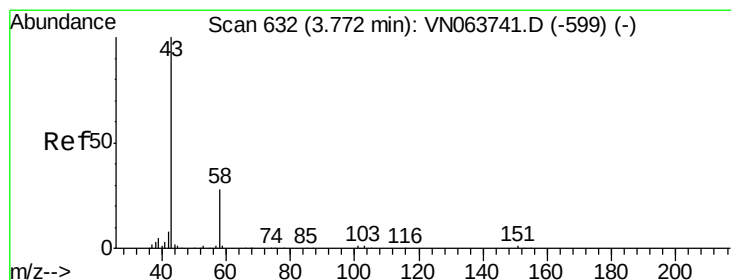
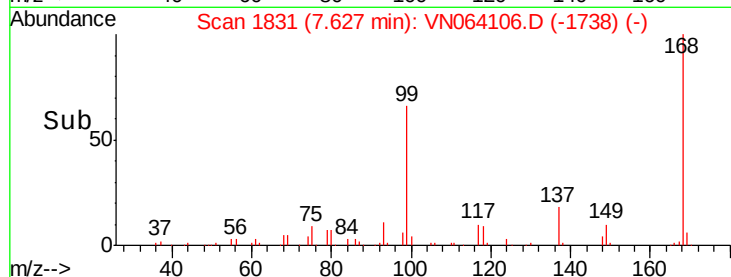
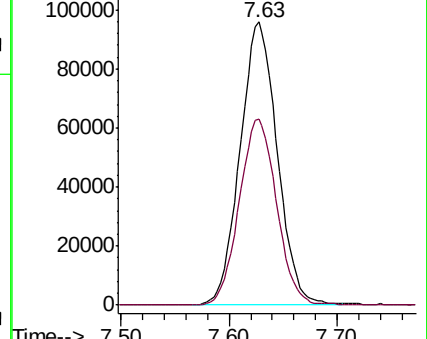
168 100

99 65.8 51.8 77.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#16

Acetone

Concen: 38.014 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN064106.D

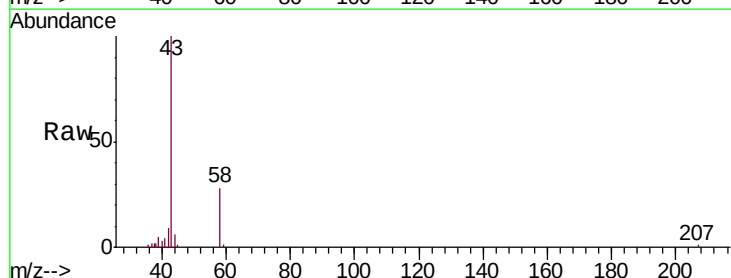
Acq: 13 Oct 2020 17:10

Tgt Ion: 43 Resp: 44267

Ion Ratio Lower Upper

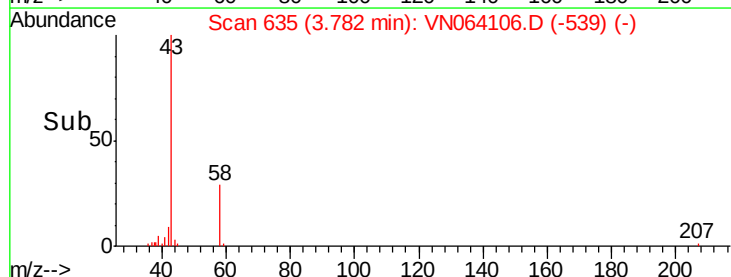
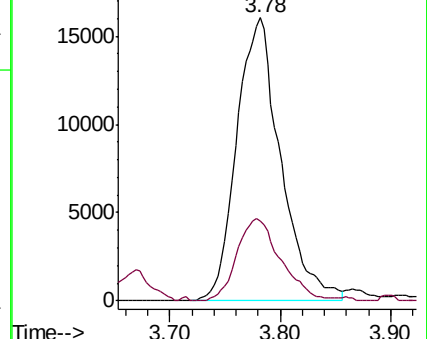
43 100

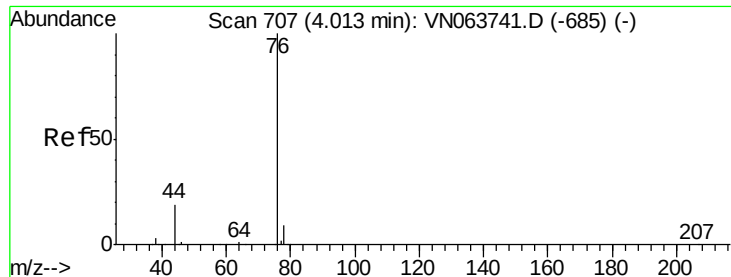
58 28.4 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 0.825 ug/l

RT: 4.02 min Scan# 709

Delta R.T. 0.01 min

Lab File: VN064106.D

Acq: 13 Oct 2020 17:10

Instrument :

MSVOA_N

ClientSampleId :

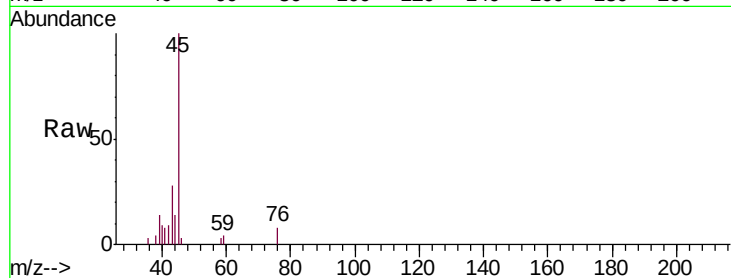
OH-WC-C-C1RE

Tgt Ion: 76 Resp: 789

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.4#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.02

400

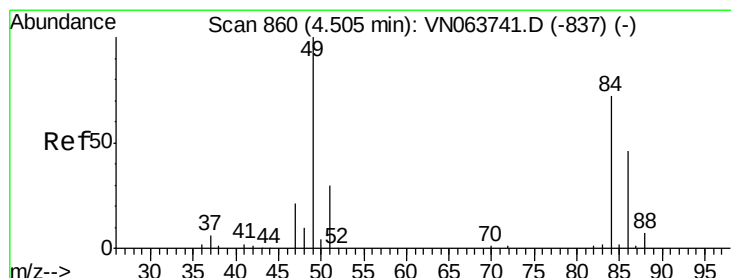
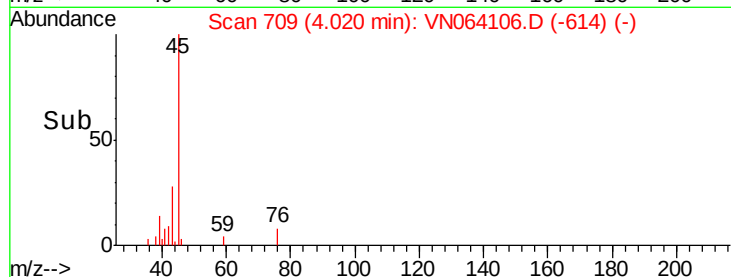
300

200

100

0

Time-->



#20

Methylene Chloride

Concen: 4.622 ug/l

RT: 4.50 min Scan# 859

Delta R.T. -0.00 min

Lab File: VN064106.D

Acq: 13 Oct 2020 17:10

Tgt Ion: 84 Resp: 12091

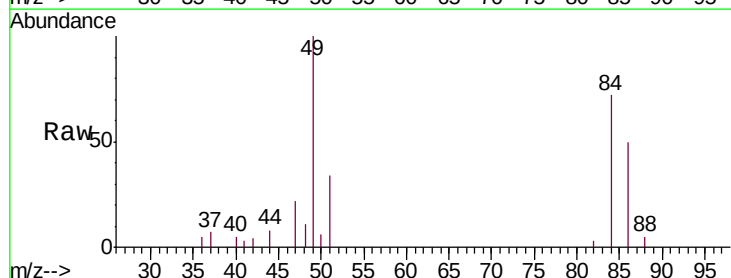
Ion Ratio Lower Upper

84 100

49 139.5 110.4 165.6

51 46.8 33.3 49.9

86 70.3 50.7 76.1



Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0

8000

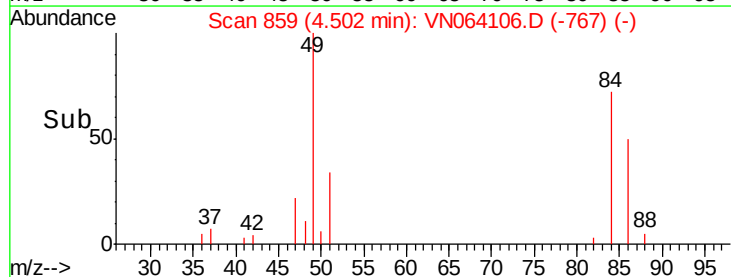
6000

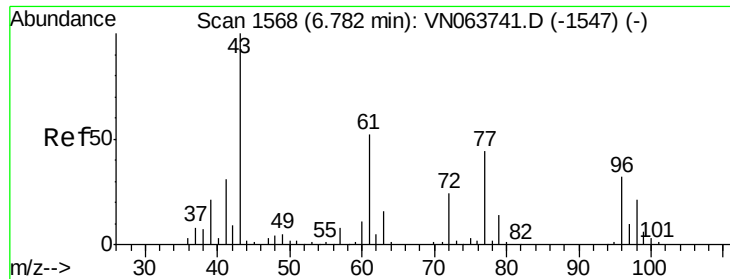
4000

2000

0

Time-->

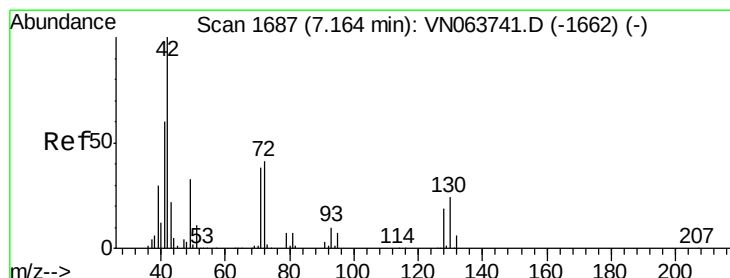
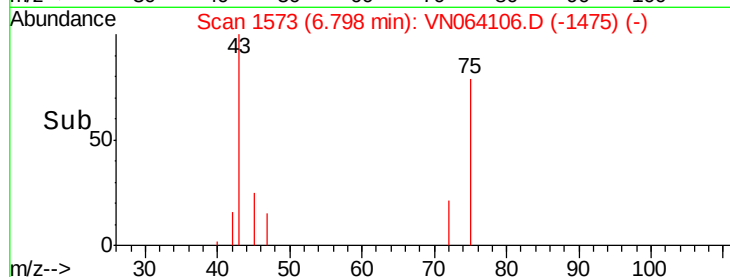
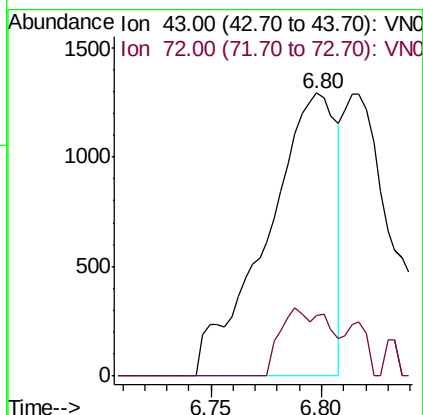
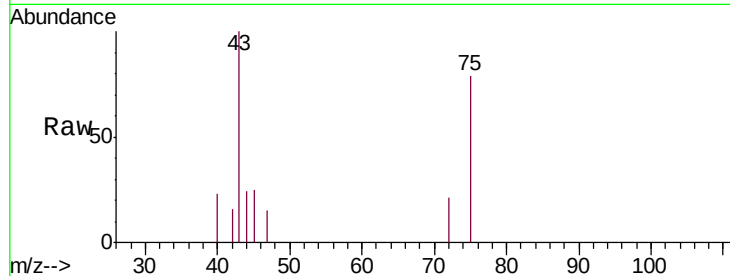




#25
2-Butanone
Concen: 1.708 ug/l
RT: 6.80 min Scan# 1573
Delta R.T. 0.02 min
Lab File: VN064106.D
Acq: 13 Oct 2020 17:10

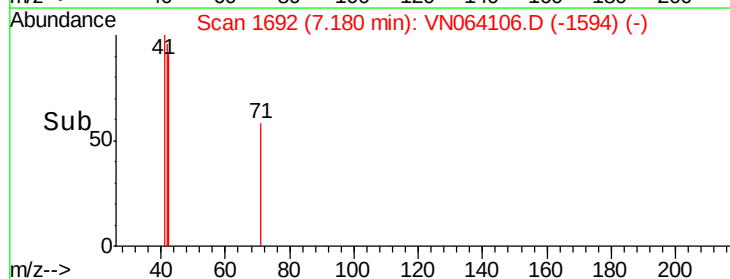
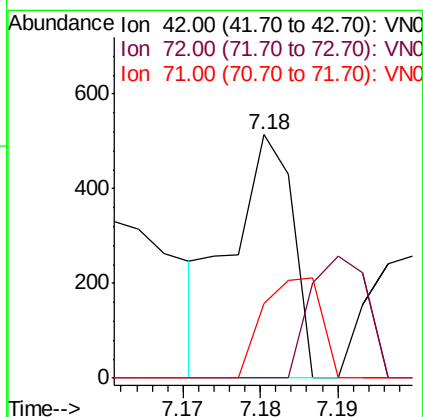
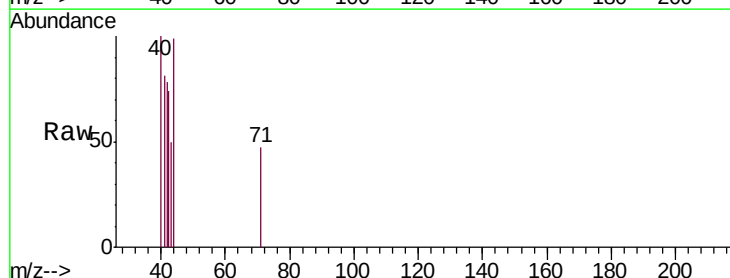
Instrument :
MSVOA_N
ClientSampleId :
OH-WC-C-C1RE

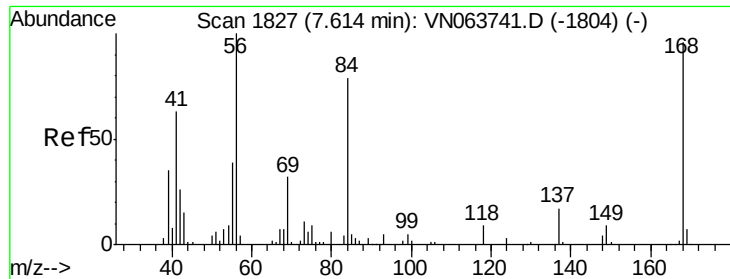
Tgt Ion: 43 Resp: 2820
Ion Ratio Lower Upper
43 100
72 21.2 19.3 28.9



#29
Tetrahydrofuran
Concen: 0.255 ug/l
RT: 7.18 min Scan# 1692
Delta R.T. 0.02 min
Lab File: VN064106.D
Acq: 13 Oct 2020 17:10

Tgt Ion: 42 Resp: 282
Ion Ratio Lower Upper
42 100
72 46.5 32.8 49.2
71 39.4 30.6 45.8

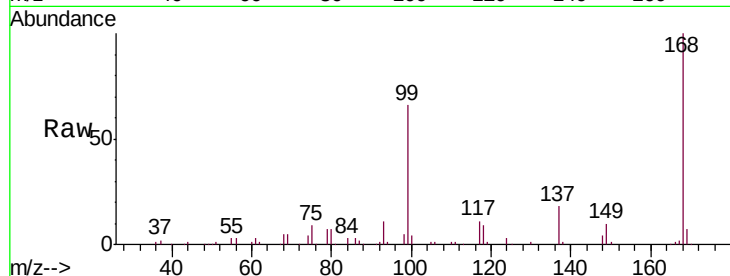




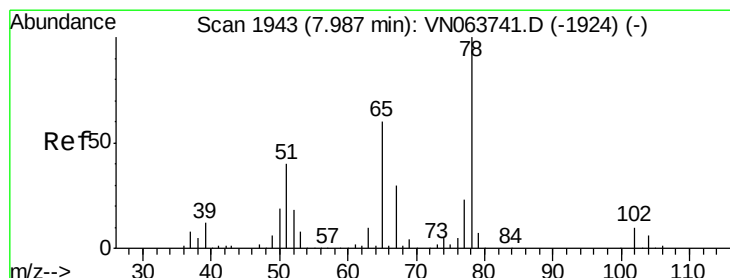
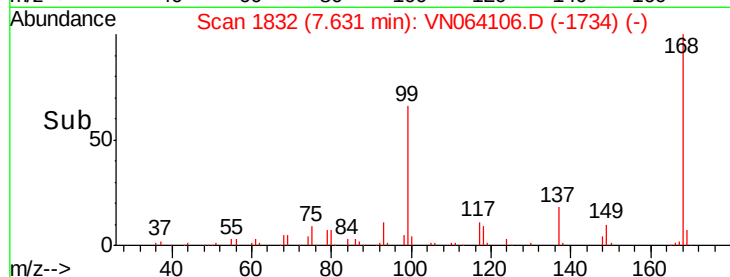
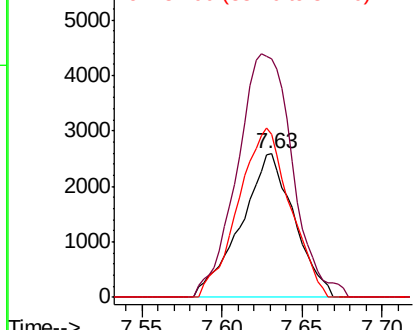
#31
Cyclohexane
Concen: 1.350 ug/l
RT: 7.63 min Scan# 1832
Delta R.T. 0.02 min
Lab File: VN064106.D
Acq: 13 Oct 2020 17:10

Instrument :
MSVOA_N
ClientSampleId :
OH-WC-C-CIRE

Tgt Ion: 56 Resp: 5928
Ion Ratio Lower Upper
56 100
69 166.5 25.4 38.2#
84 113.3 63.3 94.9#

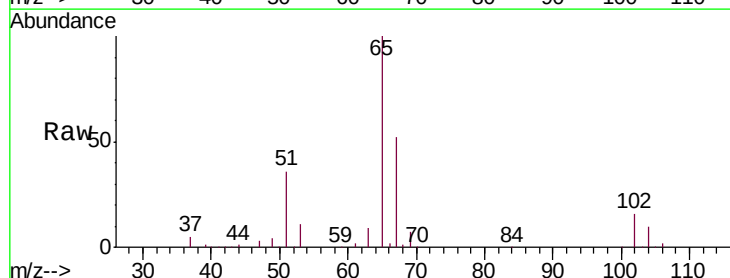


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

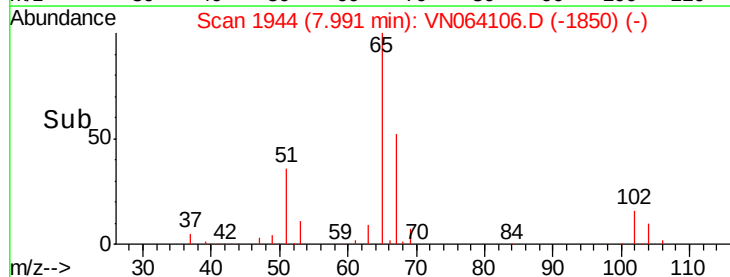
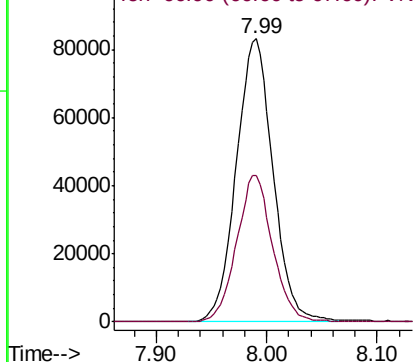


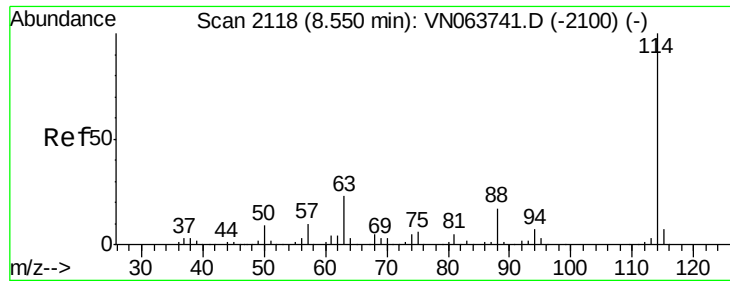
#33
1,2-Dichloroethane-d4
Concen: 50.670 ug/l
RT: 7.99 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN064106.D
Acq: 13 Oct 2020 17:10

Tgt Ion: 65 Resp: 191680
Ion Ratio Lower Upper
65 100
67 50.6 0.0 99.6



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

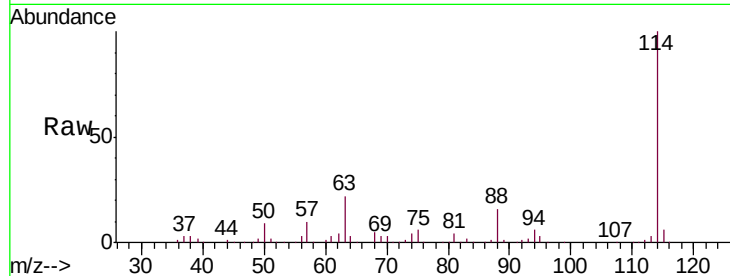




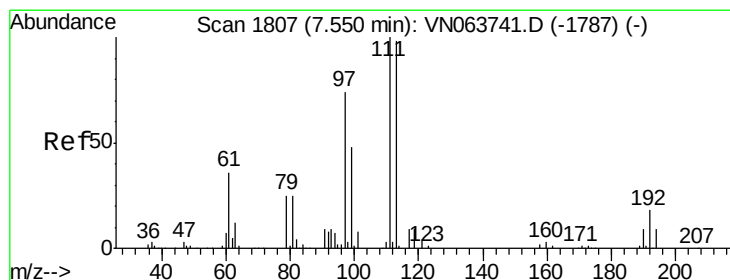
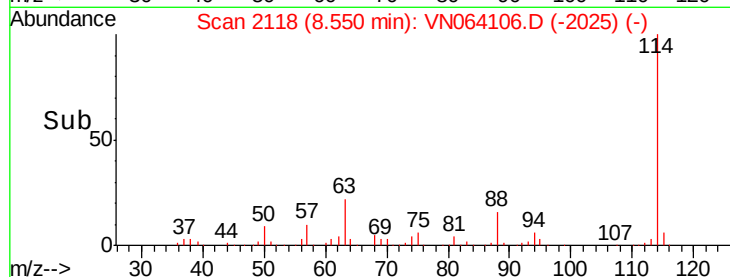
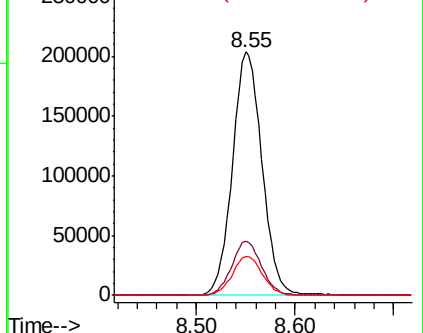
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VN064106.D
Acq: 13 Oct 2020 17:10

Instrument :
MSVOA_N
ClientSampleId :
OH-WC-C-CIRE

Tgt Ion:114 Resp: 425586
Ion Ratio Lower Upper
114 100
63 22.4 0.0 45.0
88 16.1 0.0 34.0

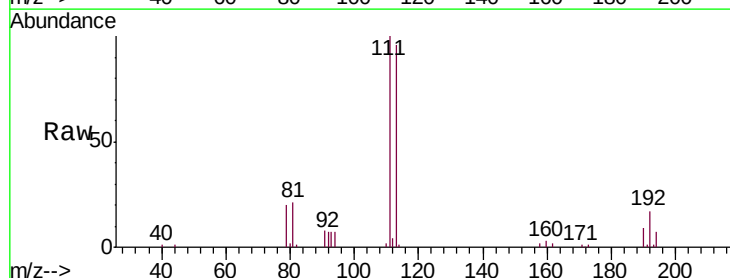


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

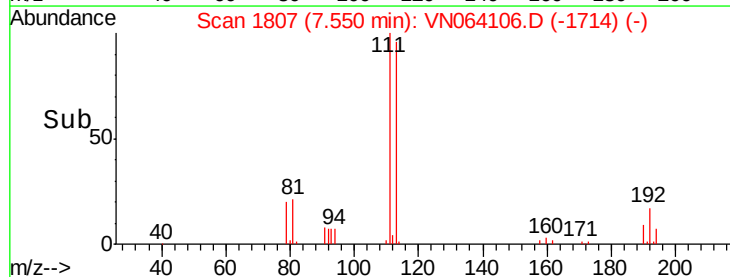
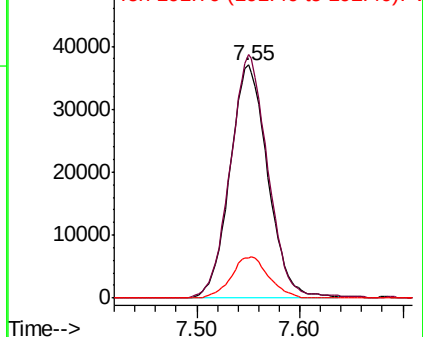


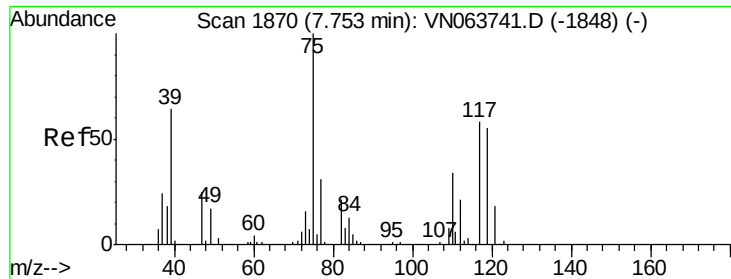
#35
Dibromofluoromethane
Concen: 32.104 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN064106.D
Acq: 13 Oct 2020 17:10

Tgt Ion:113 Resp: 94805
Ion Ratio Lower Upper
113 100
111 103.4 81.8 122.8
192 17.5 14.2 21.2



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

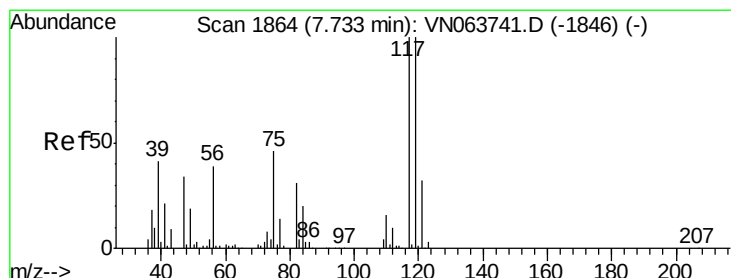
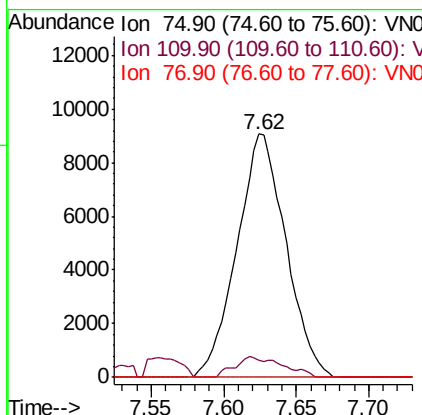
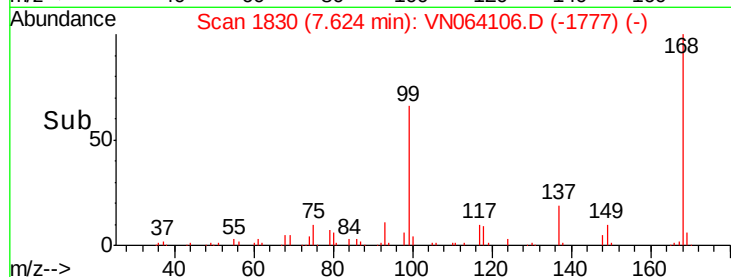
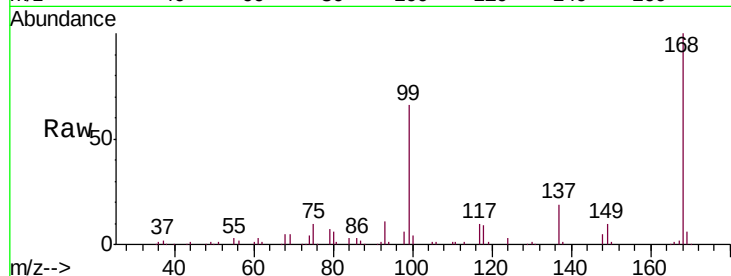




#36
 1,1-Dichloropropene
 Concen: 4.941 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN064106.D
 Acq: 13 Oct 2020 17:10

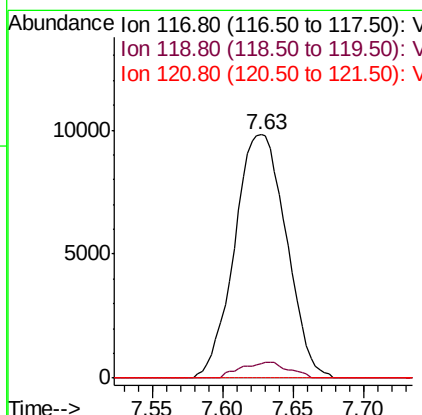
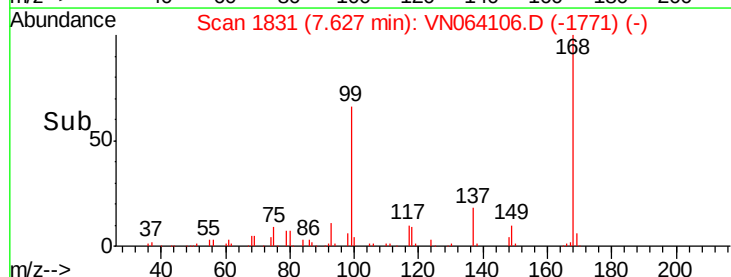
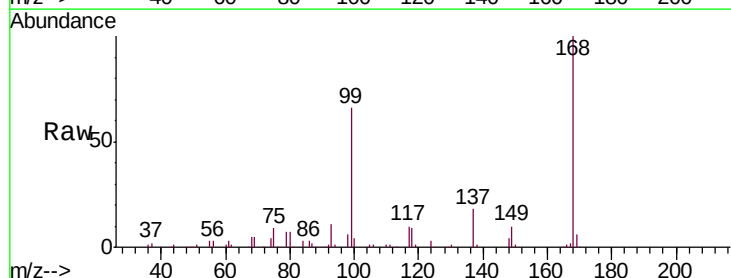
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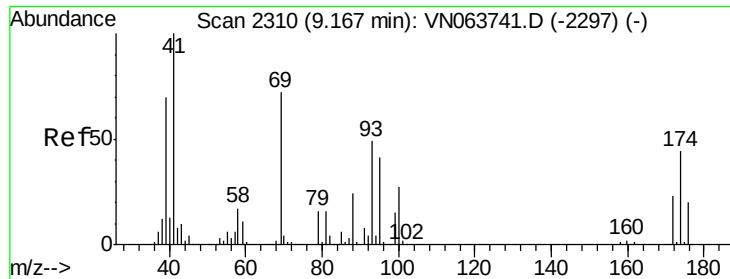
Tgt Ion: 75 Resp: 21303
 Ion Ratio Lower Upper
 75 100
 110 4.7 16.9 50.6#
 77 0.0 24.5 36.7#



#38
 Carbon Tetrachloride
 Concen: 5.194 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.11 min
 Lab File: VN064106.D
 Acq: 13 Oct 2020 17:10

Tgt Ion: 117 Resp: 25113
 Ion Ratio Lower Upper
 117 100
 119 6.1 80.1 120.1#
 121 0.0 25.7 38.5#

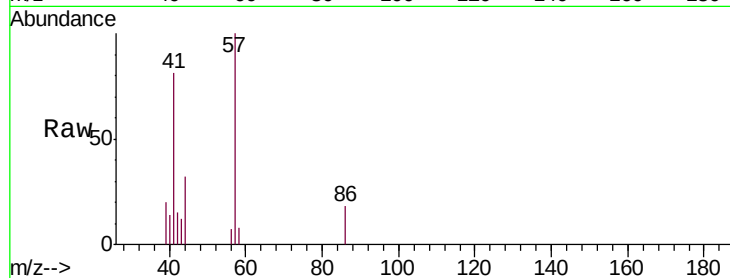




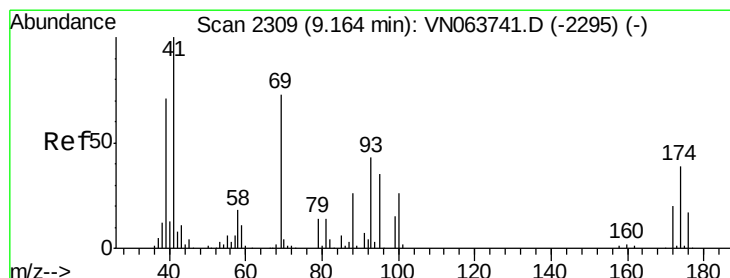
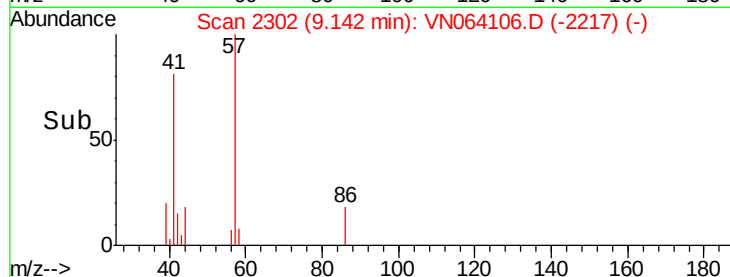
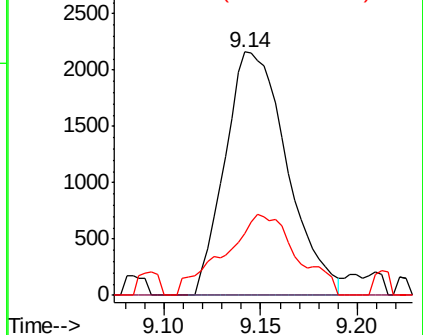
#48
Methyl methacrylate
Concen: 1.382 ug/l
RT: 9.14 min Scan# 2302
Delta R.T. -0.03 min
Lab File: VN064106.D
Acq: 13 Oct 2020 17:10

Instrument :
MSVOA_N
ClientSampleId :
OH-WC-C-CIRE

Tgt Ion: 41 Resp: 4825
Ion Ratio Lower Upper
41 100
69 0.0 60.9 91.3#
39 38.8 57.5 86.3#

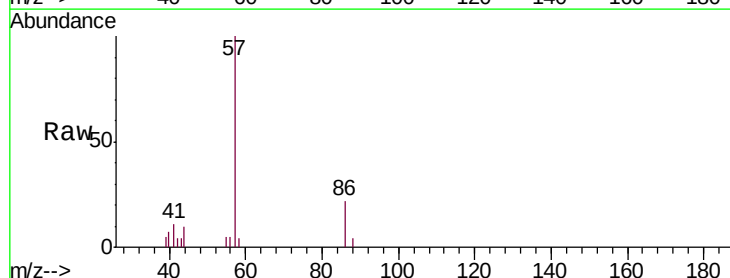


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 39.00 (38.70 to 39.70): VNC

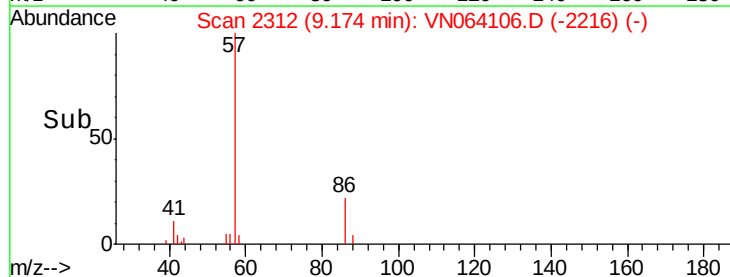
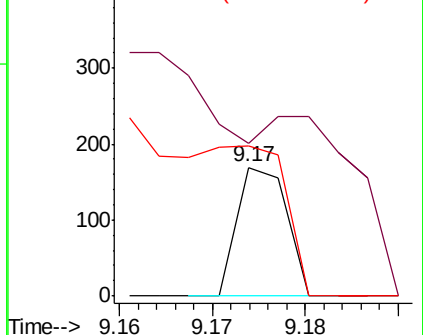


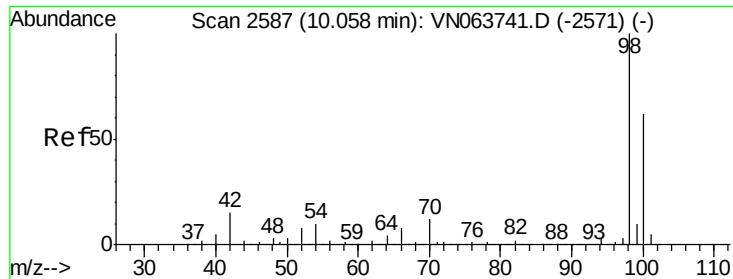
#49
1,4-Dioxane
Concen: 1.270 ug/l
RT: 9.17 min Scan# 2312
Delta R.T. 0.01 min
Lab File: VN064106.D
Acq: 13 Oct 2020 17:10

Tgt Ion: 88 Resp: 63
Ion Ratio Lower Upper
88 100
43 0.0 33.1 49.7#
58 0.0 58.9 88.3#



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





#50

Toluene-d8

Concen: 48.455 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064106.D

Acq: 13 Oct 2020 17:10

Instrument :

MSVOA_N

ClientSampled :

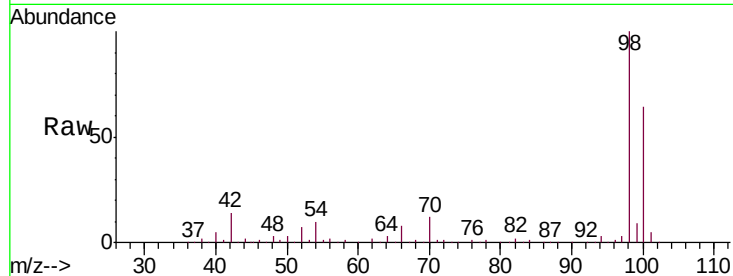
OH-WC-C-C1RE

Tgt Ion: 98 Resp: 542437

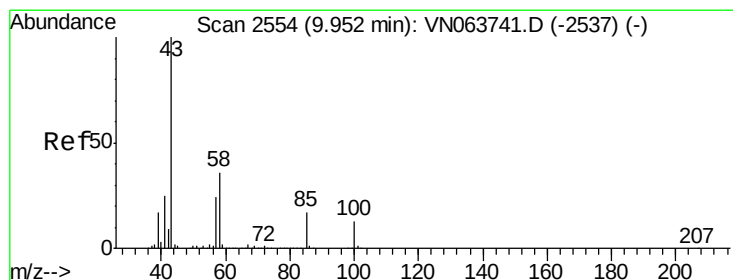
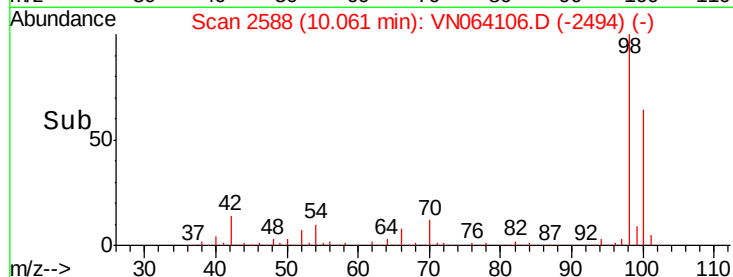
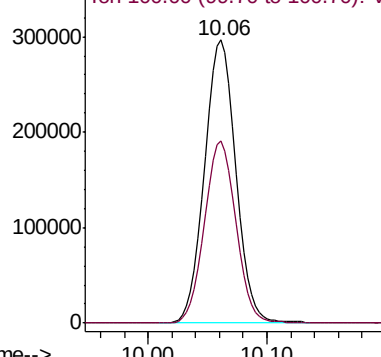
Ion Ratio Lower Upper

98 100

100 64.6 49.8 74.6



Abundance Ion 98.00 (97.70 to 98.70): VN063741.D (-2571) (-)



#51

4-Methyl-2-Pentanone

Concen: 1.782 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN064106.D

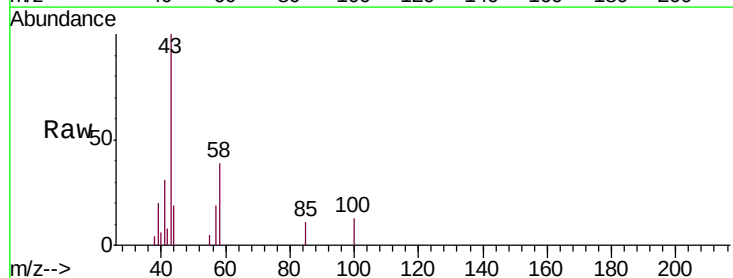
Acq: 13 Oct 2020 17:10

Tgt Ion: 43 Resp: 7388

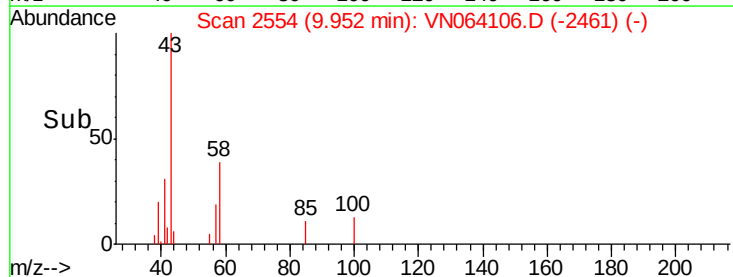
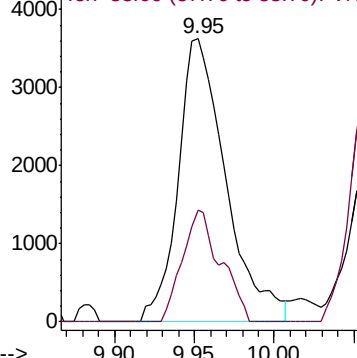
Ion Ratio Lower Upper

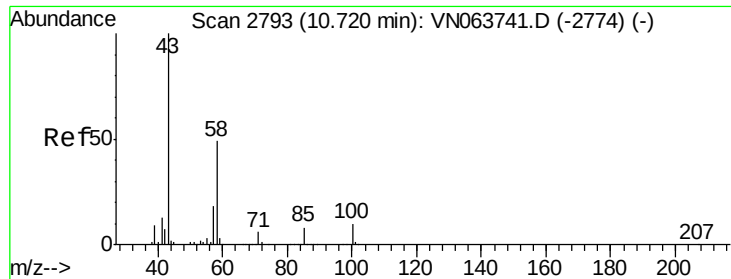
43 100

58 31.5 28.4 42.6



Abundance Ion 43.00 (42.70 to 43.70): VN063741.D (-2537) (-)

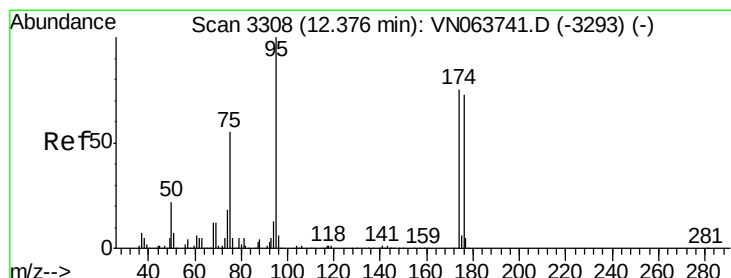
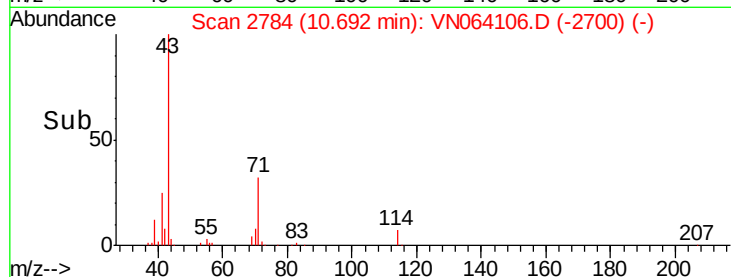
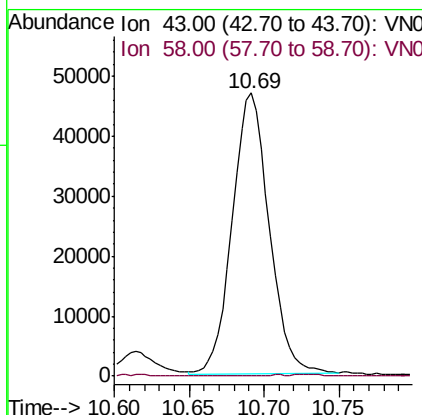
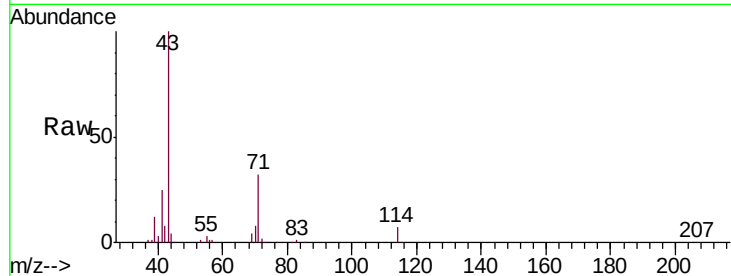




#59
2-Hexanone
Concen: 26.003 ug/l
RT: 10.69 min Scan# 2784
Delta R.T. -0.03 min
Lab File: VN064106.D
Acq: 13 Oct 2020 17:10

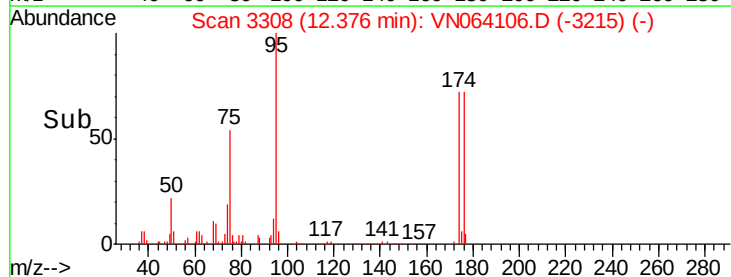
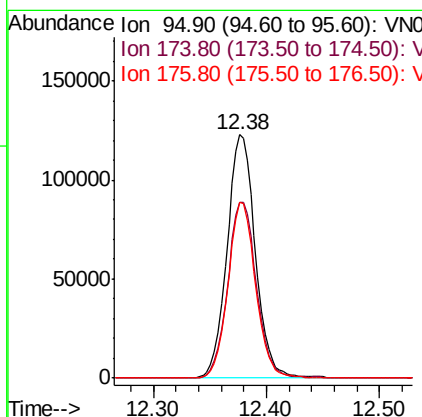
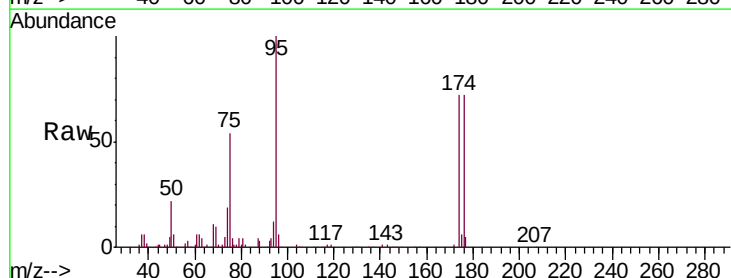
Instrument :
MSVOA_N
ClientSampleId :
OH-WC-C-C1RE

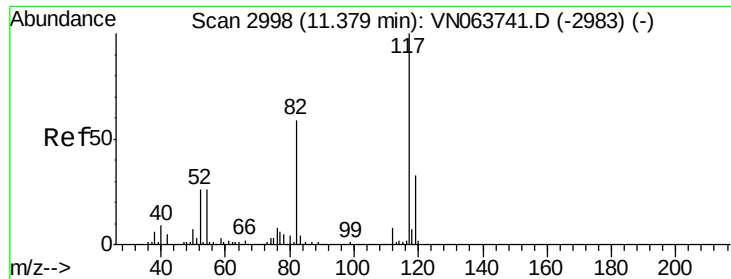
Tgt Ion: 43 Resp: 80096
Ion Ratio Lower Upper
43 100
58 0.1 24.6 73.8#



#62
4-Bromofluorobenzene
Concen: 50.740 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064106.D
Acq: 13 Oct 2020 17:10

Tgt Ion: 95 Resp: 213522
Ion Ratio Lower Upper
95 100
174 73.4 0.0 150.6
176 70.7 0.0 145.4

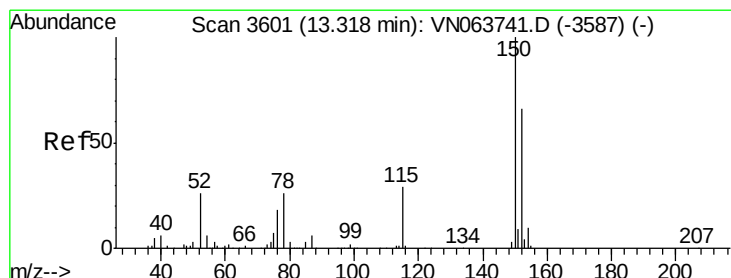
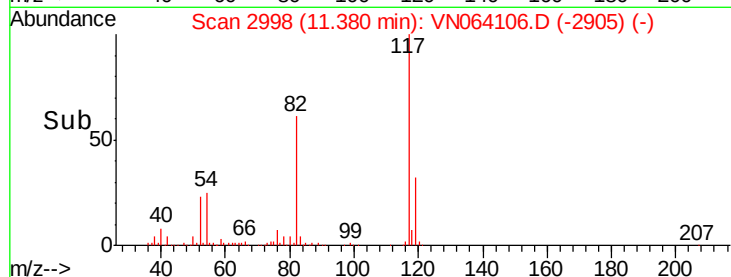
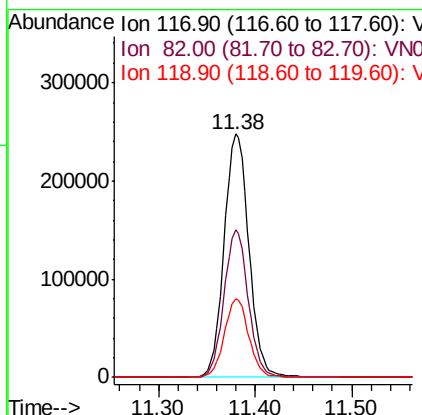
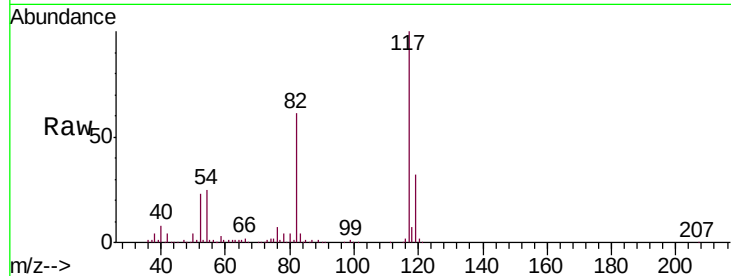




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064106.D
Acq: 13 Oct 2020 17:10

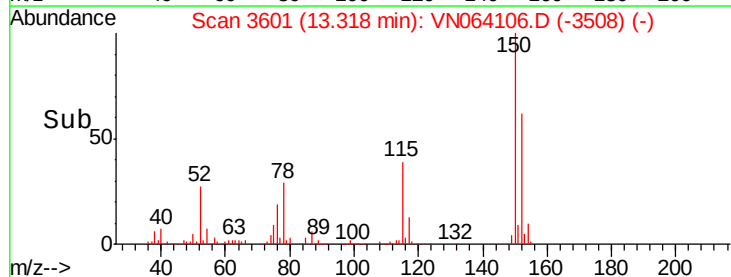
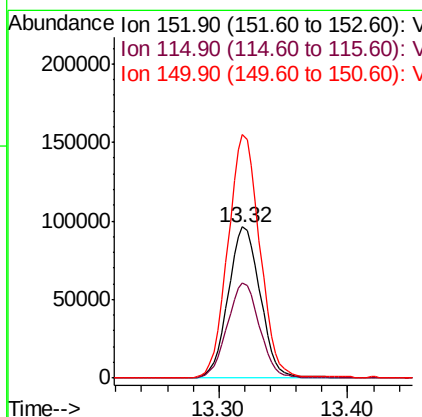
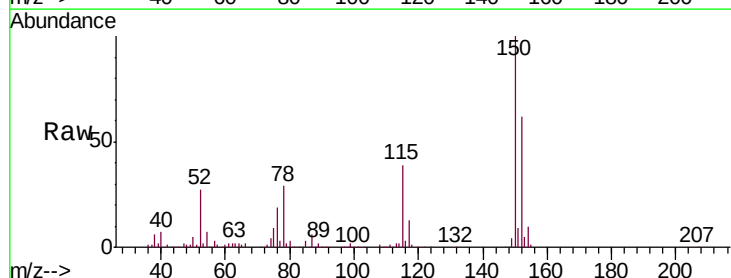
Instrument :
MSVOA_N
ClientSampleId :
OH-WC-C-C1RE

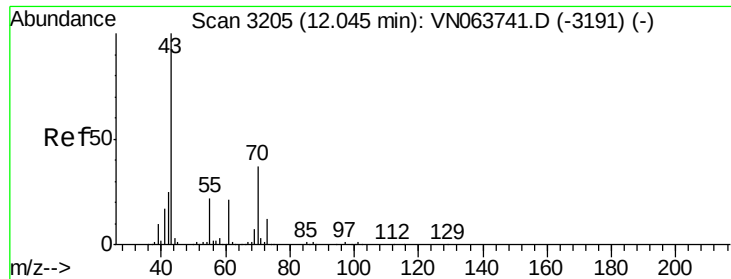
Tgt Ion:117 Resp: 442206
Ion Ratio Lower Upper
117 100
82 60.7 47.4 71.2
119 32.4 26.4 39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN064106.D
Acq: 13 Oct 2020 17:10

Tgt Ion:152 Resp: 166867
Ion Ratio Lower Upper
152 100
115 63.0 31.3 93.8
150 159.0 0.0 341.8





#74

N-amyI acetate

Concen: 2.538 ug/l

RT: 12.01 min Scan# 3194

Delta R.T. -0.03 min

Lab File: VN064106.D

Acq: 13 Oct 2020 17:10

Instrument :

MSVOA_N

ClientSampleId :

OH-WC-C-CIRE

Tgt Ion: 43 Resp: 1905

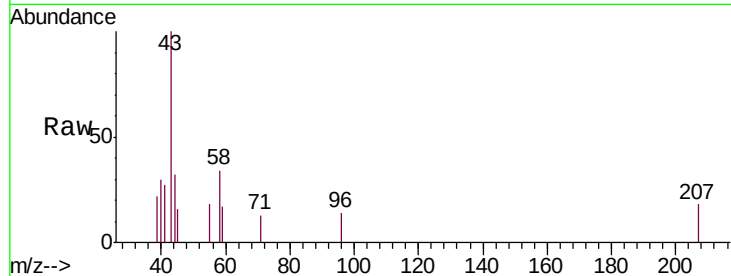
Ion Ratio Lower Upper

43 100

70 0.0 29.8 44.8#

55 10.7 17.9 26.9#

61 0.0 17.0 25.4#

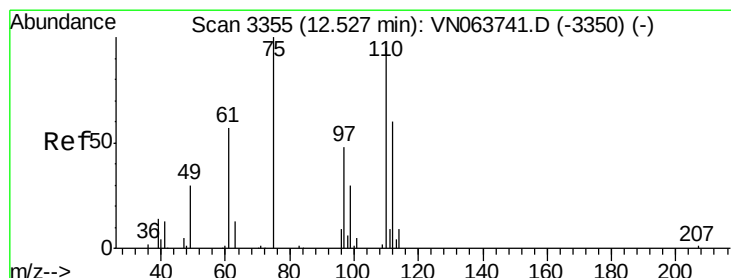
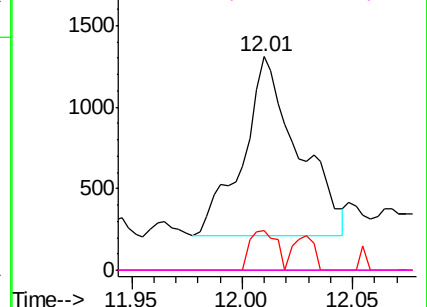
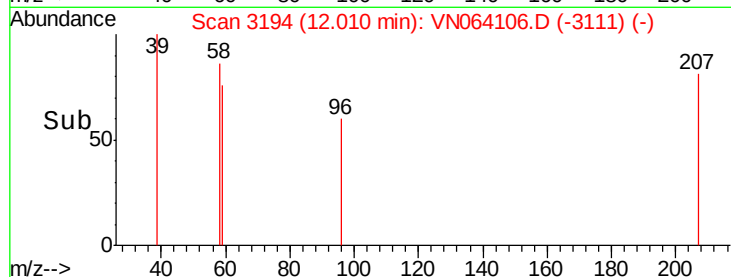


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 31.400 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064106.D

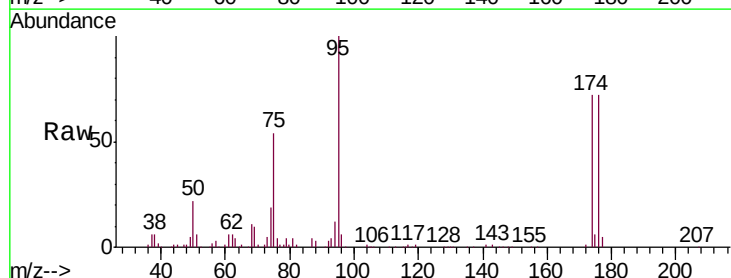
Acq: 13 Oct 2020 17:10

Tgt Ion: 75 Resp: 115503

Ion Ratio Lower Upper

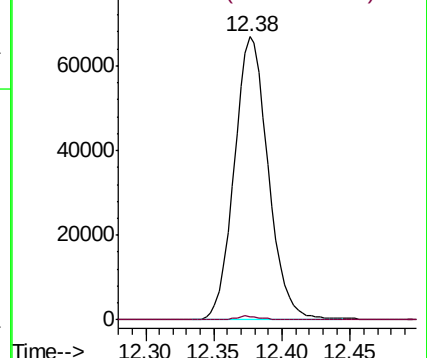
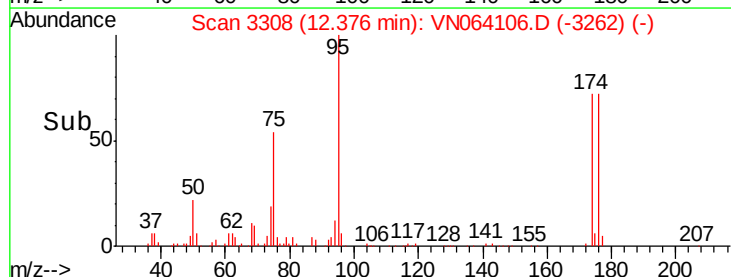
75 100

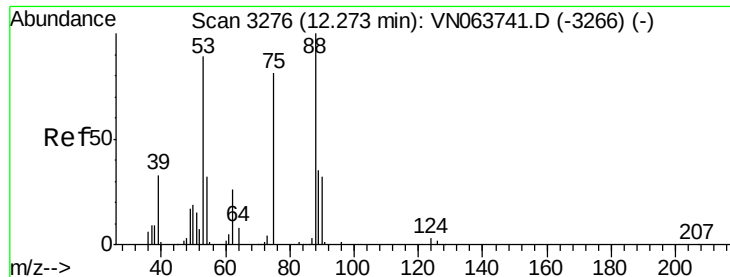
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

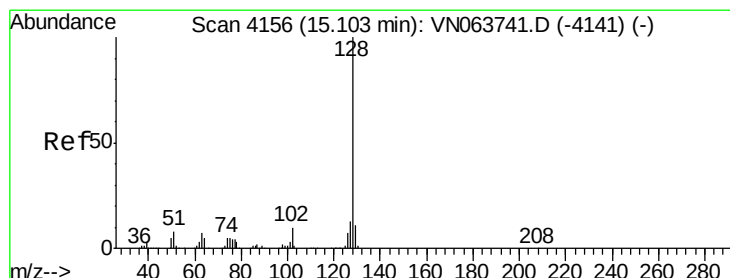
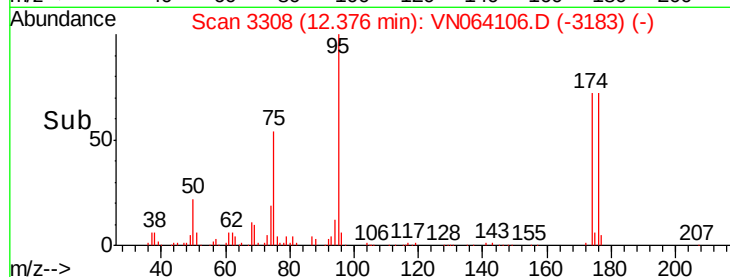
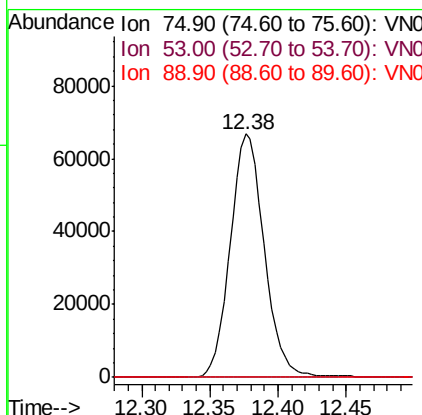
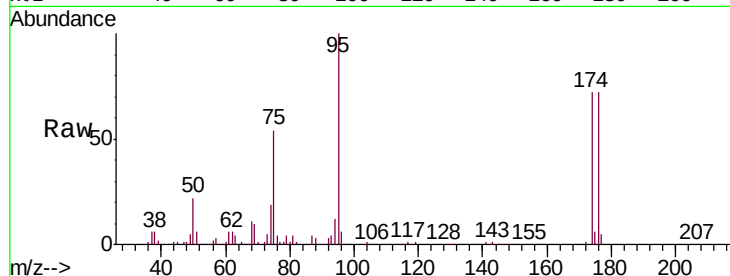




#81
trans-1,4-Dichloro-2-butene
Concen: 90.438 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.10 min
Lab File: VN064106.D
Acq: 13 Oct 2020 17:10

Instrument :
MSVOA_N
ClientSampleId :
OH-WC-C-ClRE

Tgt Ion: 75 Resp: 115503
Ion Ratio Lower Upper
75 100
53 0.1 88.2 132.2#
89 0.0 36.0 54.0#



#95
Naphthalene
Concen: 1.999 ug/l
RT: 15.13 min Scan# 4165
Delta R.T. 0.03 min
Lab File: VN064106.D
Acq: 13 Oct 2020 17:10

Tgt Ion:128 Resp: 697
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 9.3 8.7 13.1

