

Data File : VN064107.D
Acq On : 13 Oct 2020 17:34
Operator : JC/MD
Sample : L4333-15
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
OH-WC-C-D4RE

Quant Time: Oct 14 03:01:42 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	224429	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	412392	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	426969	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	165355	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	183532	49.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.00%	
35) Dibromofluoromethane	7.55	113	97624	34.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	68.24%	
50) Toluene-d8	10.06	98	530073	48.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.74%	
62) 4-Bromofluorobenzene	12.38	95	203637	49.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.88%	

Target Compounds

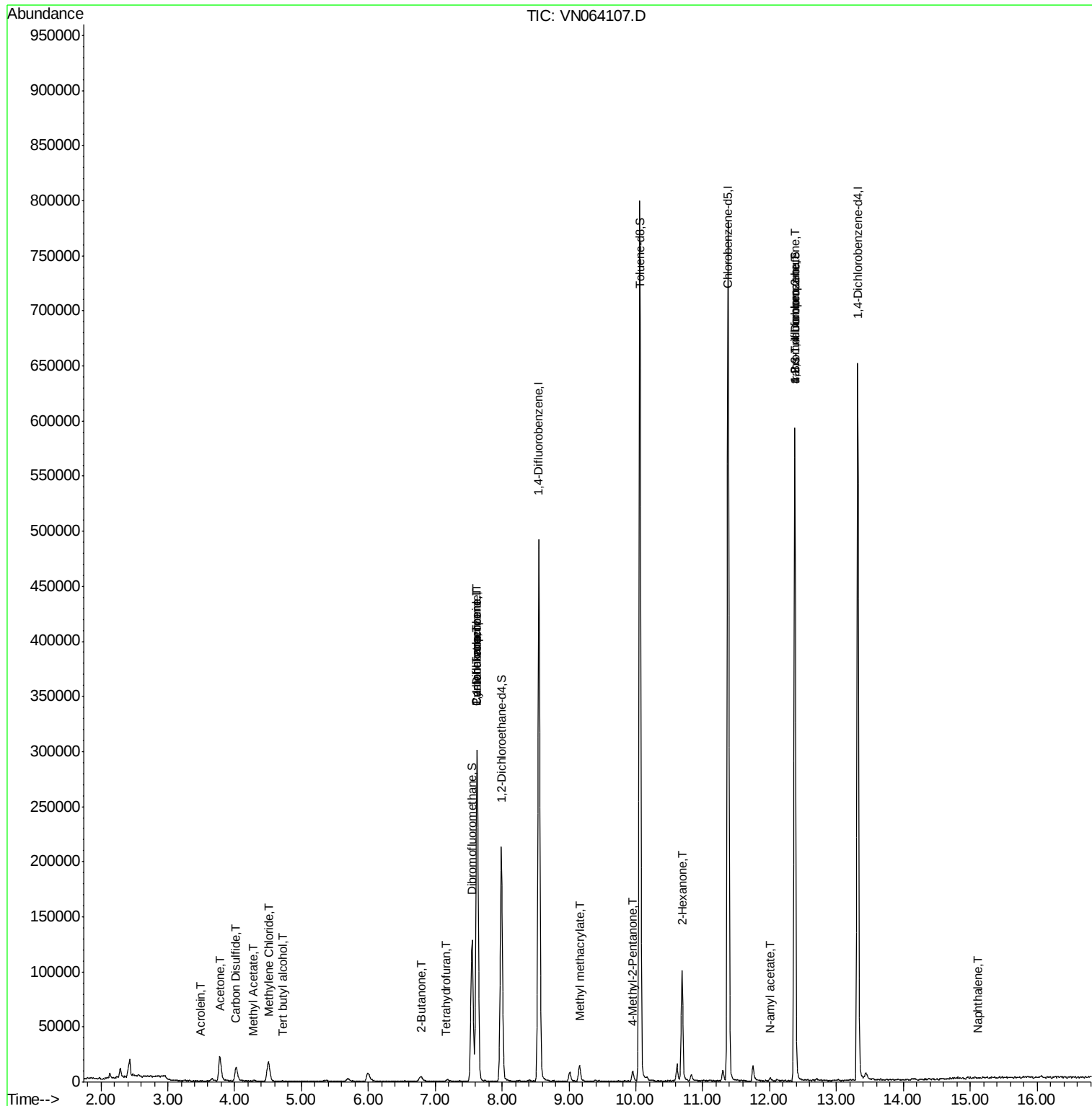
						Qvalue
11) Tert butyl alcohol	4.71	59	139	0.340	ug/l #	71
13) Acrolein	3.48	56	67	0.267	ug/l #	14
16) Acetone	3.78	43	39308	34.440	ug/l	98
17) Carbon Disulfide	4.01	76	651	0.806	ug/l #	76
18) Methyl Acetate	4.27	43	599	0.202	ug/l #	54
20) Methylene Chloride	4.51	84	12534	4.883	ug/l	94
25) 2-Butanone	6.79	43	2085	1.288	ug/l	96
29) Tetrahydrofuran	7.16	42	322	0.297	ug/l #	90
31) Cyclohexane	7.63	56	5673	1.318	ug/l #	17
36) 1,1-Dichloropropene	7.62	75	20072	4.804	ug/l #	49
38) Carbon Tetrachloride	7.63	117	25225	5.384	ug/l #	15
48) Methyl methacrylate	9.15	41	4869	1.439	ug/l #	20
51) 4-Methyl-2-Pentanone	9.95	43	8235	2.050	ug/l	90
59) 2-Hexanone	10.69	43	84101	28.177	ug/l #	28
74) N-amyl acetate	12.01	43	2584	2.656	ug/l #	50
76) 1,2,3-Trichloropropane	12.38	75	110133	30.214	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	110133	87.022	ug/l #	6
95) Naphthalene	15.12	128	64	1.931	ug/l #	69

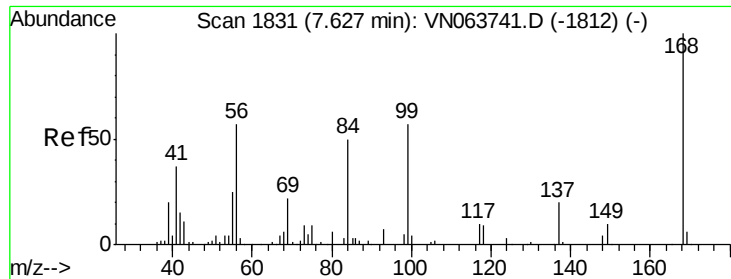
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN064107.D

Acq: 13 Oct 2020 17:34

Instrument :

MSVOA_N

ClientSampleId :

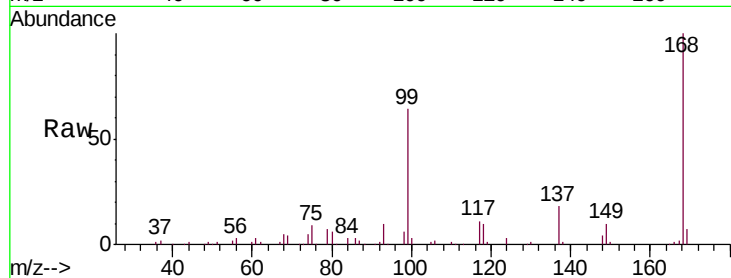
OH-WC-C-D4RE

Tgt Ion:168 Resp: 224429

Ion Ratio Lower Upper

168 100

99 63.6 51.8 77.6



Abundance Ion 167.90 (167.60 to 168.60): VN064107.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN064107.D (-1812) (-)

7.63

100000

80000

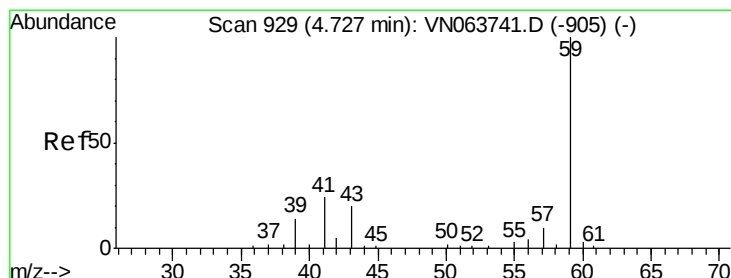
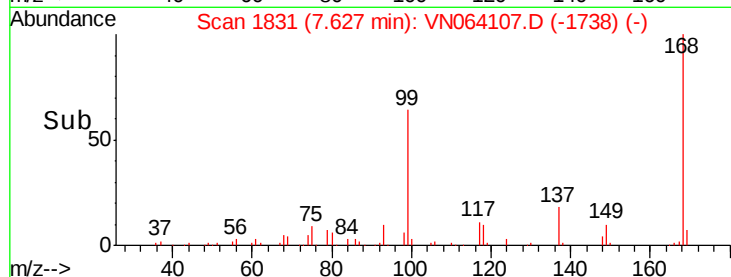
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#11

Tert butyl alcohol

Concen: 0.340 ug/l

RT: 4.71 min Scan# 925

Delta R.T. -0.01 min

Lab File: VN064107.D

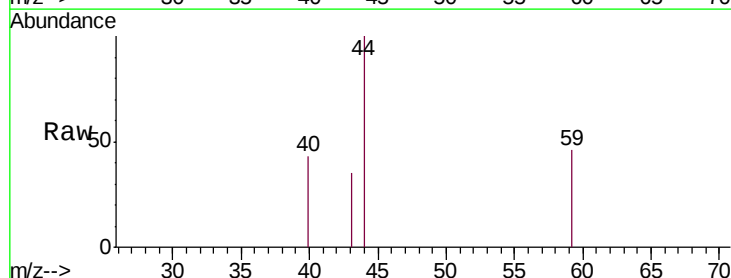
Acq: 13 Oct 2020 17:34

Tgt Ion: 59 Resp: 139

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VN064107.D (-836) (-)

Ion 57.00 (56.70 to 57.70): VN064107.D (-836) (-)

4.71

300

250

200

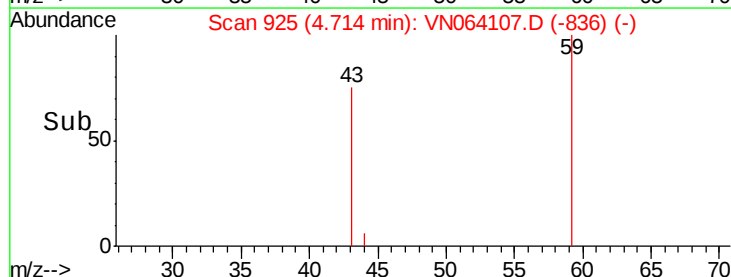
150

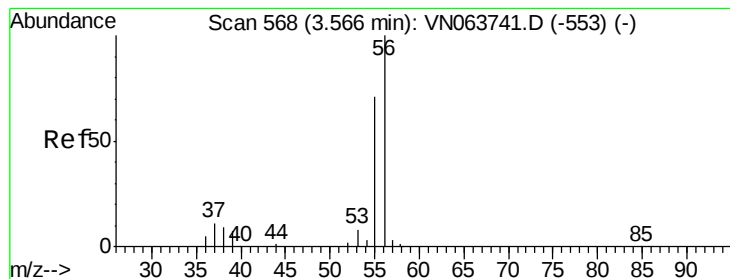
100

50

0

Time--> 4.70 4.71 4.72 4.73





#13

Acrolein

Concen: 0.267 ug/l

RT: 3.48 min Scan# 540

Delta R.T. -0.09 min

Lab File: VN064107.D

Acq: 13 Oct 2020 17:34

Instrument :

MSVOA_N

ClientSampleId :

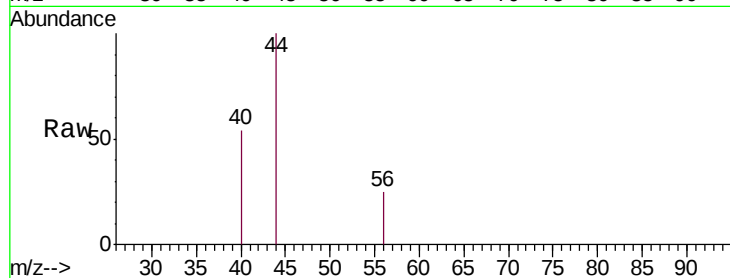
OH-WC-C-D4RE

Tgt Ion: 56 Resp: 67

Ion Ratio Lower Upper

56 100

55 0.0 56.9 85.3#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.48

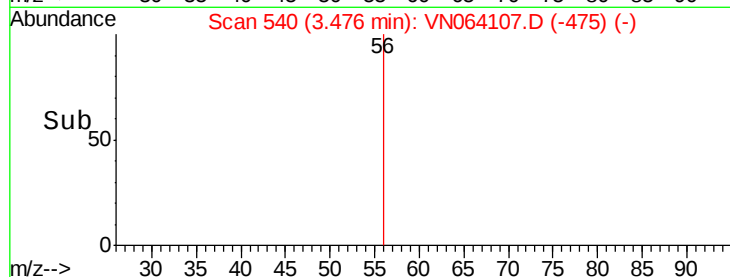
150

100

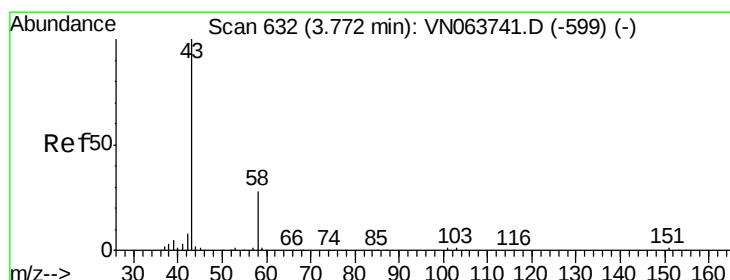
50

0

Time-->



Time-->



#16

Acetone

Concen: 34.440 ug/l

RT: 3.78 min Scan# 633

Delta R.T. 0.00 min

Lab File: VN064107.D

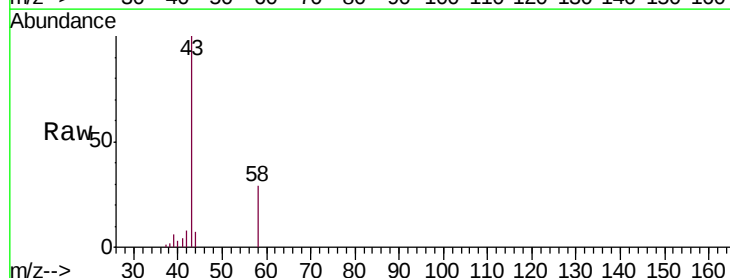
Acq: 13 Oct 2020 17:34

Tgt Ion: 43 Resp: 39308

Ion Ratio Lower Upper

43 100

58 28.7 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

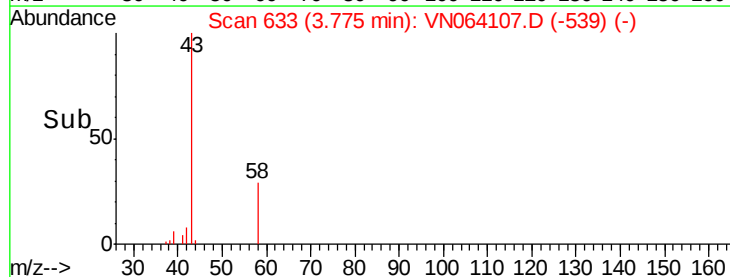
15000

10000

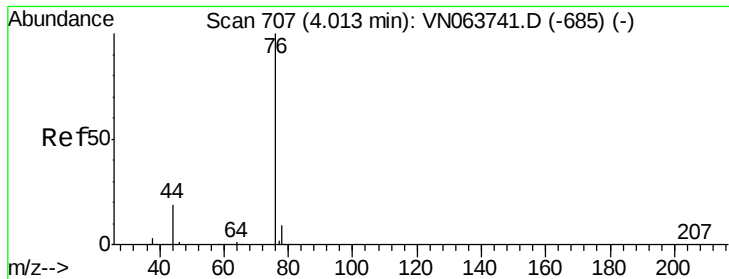
5000

0

Time-->



Time-->



#17

Carbon Disulfide

Concen: 0.806 ug/l

RT: 4.01 min Scan# 705

Delta R.T. -0.01 min

Lab File: VN064107.D

Acq: 13 Oct 2020 17:34

Instrument :

MSVOA_N

ClientSampleId :

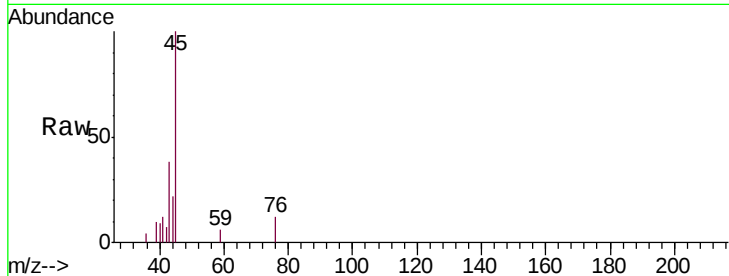
OH-WC-C-D4RE

Tgt Ion: 76 Resp: 651

Ion Ratio Lower Upper

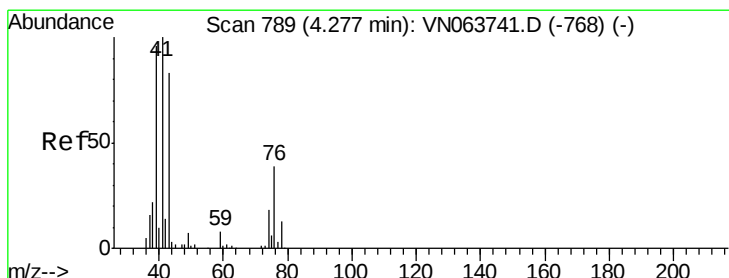
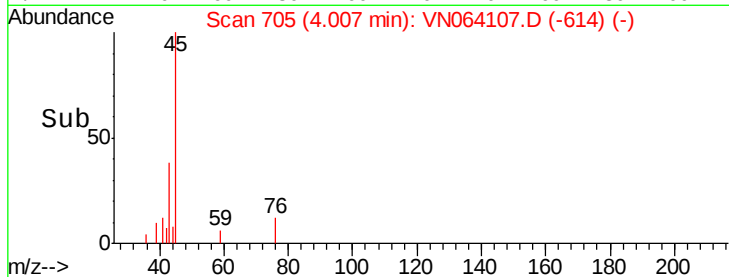
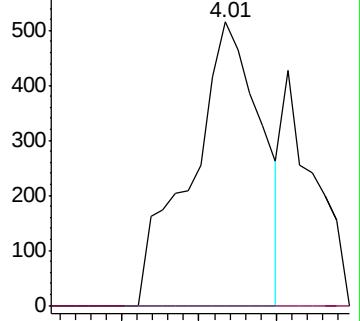
76 100

78 0.0 7.0 10.4#



Abundance Ion 75.90 (75.60 to 76.60): VN063741.D (-685) (-)

Ion 77.90 (77.60 to 78.60): VN063741.D (-685) (-)



#18

Methyl Acetate

Concen: 0.202 ug/l

RT: 4.27 min Scan# 788

Delta R.T. -0.00 min

Lab File: VN064107.D

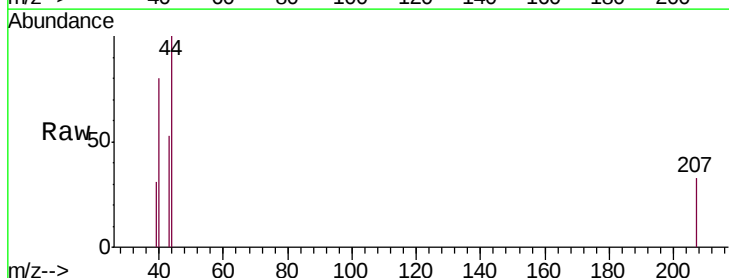
Acq: 13 Oct 2020 17:34

Tgt Ion: 43 Resp: 599

Ion Ratio Lower Upper

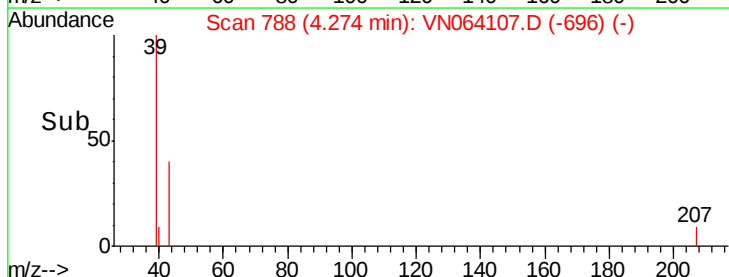
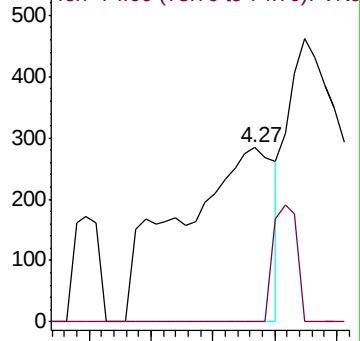
43 100

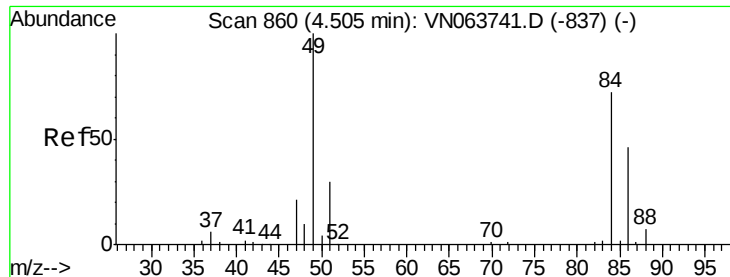
74 0.0 17.4 26.2#



Abundance Ion 43.00 (42.70 to 43.70): VN063741.D (-768) (-)

Ion 74.00 (73.70 to 74.70): VN063741.D (-768) (-)

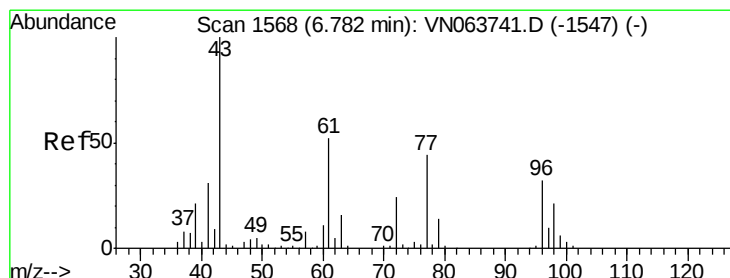
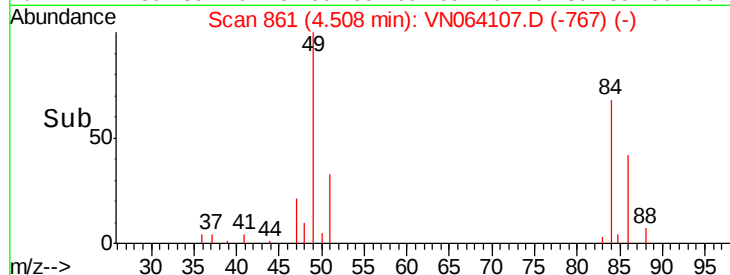
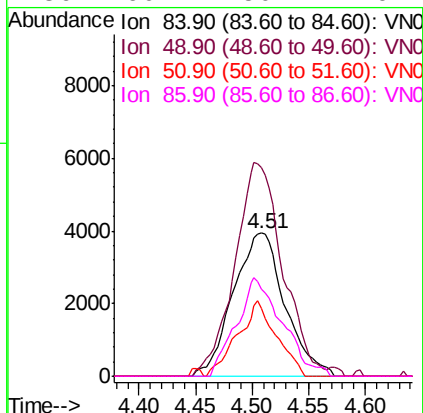
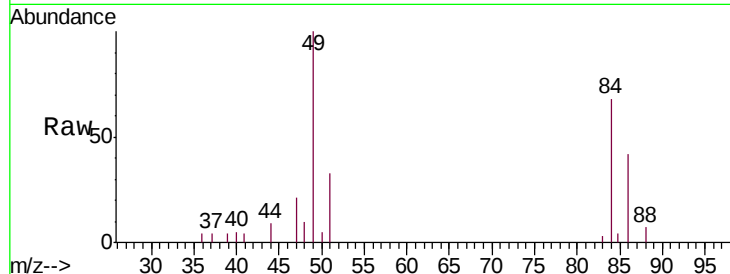




#20
Methylene Chloride
Concen: 4.883 ug/l
RT: 4.51 min Scan# 861
Delta R.T. 0.00 min
Lab File: VN064107.D
Acq: 13 Oct 2020 17:34

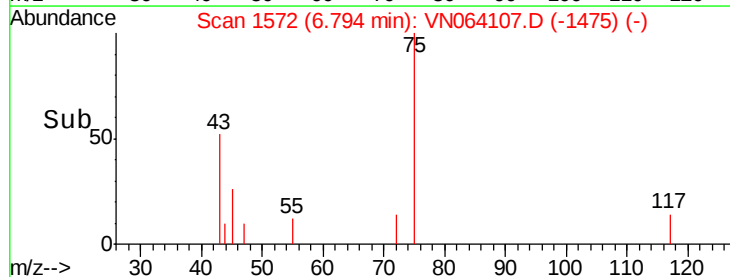
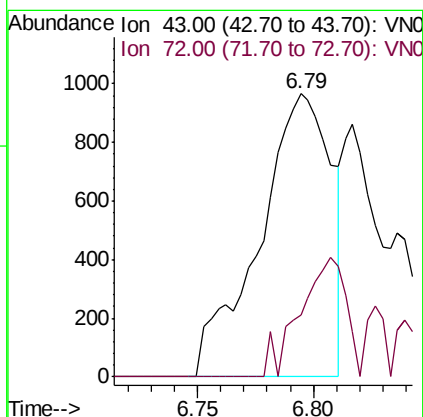
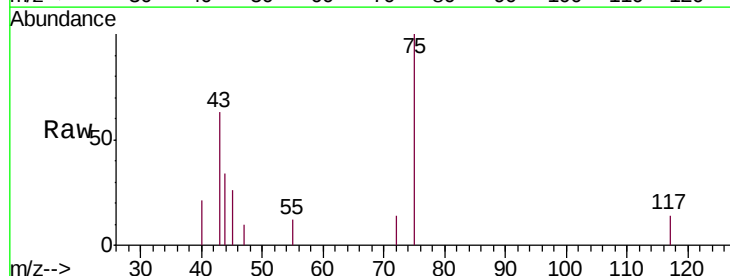
Instrument :
MSVOA_N
ClientSampleId :
OH-WC-C-D4RE

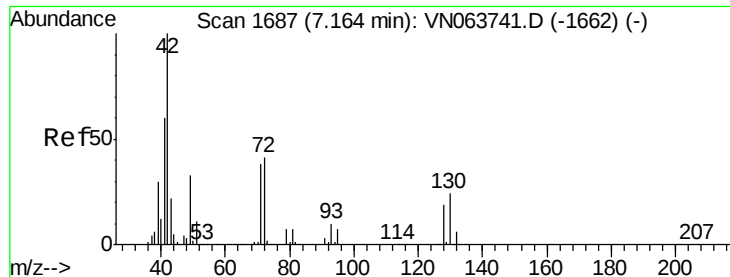
Tgt Ion: 84 Resp: 12534
Ion Ratio Lower Upper
84 100
49 146.3 110.4 165.6
51 47.7 33.3 49.9
86 60.7 50.7 76.1



#25
2-Butanone
Concen: 1.288 ug/l
RT: 6.79 min Scan# 1572
Delta R.T. 0.01 min
Lab File: VN064107.D
Acq: 13 Oct 2020 17:34

Tgt Ion: 43 Resp: 2085
Ion Ratio Lower Upper
43 100
72 22.0 19.3 28.9





#29

Tetrahydrofuran

Concen: 0.297 ug/l

RT: 7.16 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VN064107.D

Acq: 13 Oct 2020 17:34

Instrument :

MSVOA_N

ClientSampleId :

OH-WC-C-D4RE

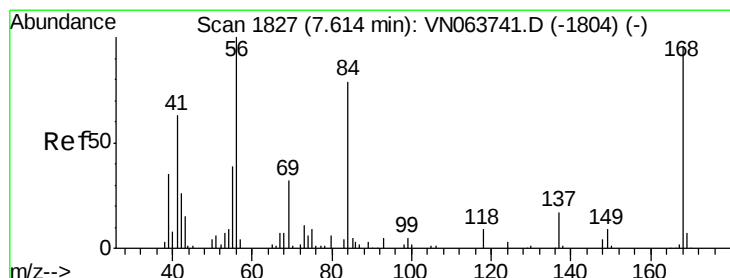
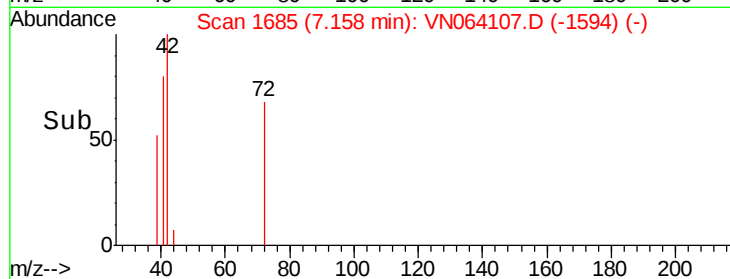
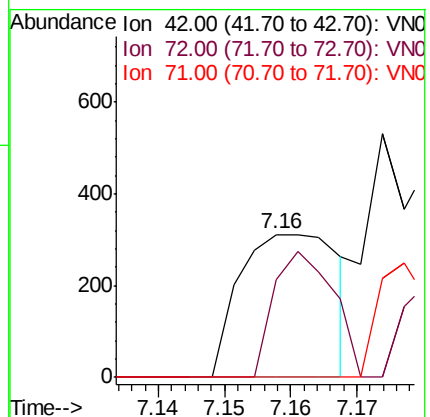
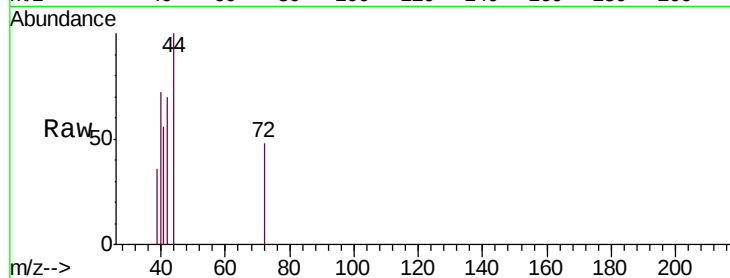
Tgt Ion: 42 Resp: 322

Ion Ratio Lower Upper

42 100

72 53.1 32.8 49.2#

71 38.5 30.6 45.8



#31

Cyclohexane

Concen: 1.318 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN064107.D

Acq: 13 Oct 2020 17:34

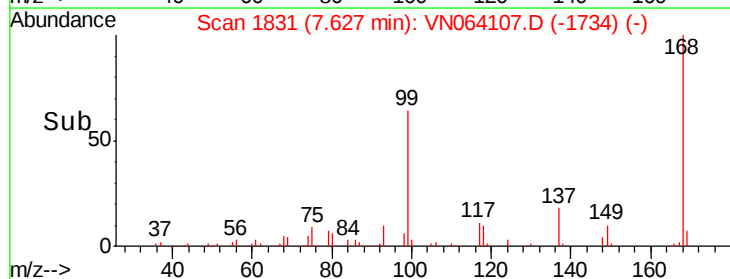
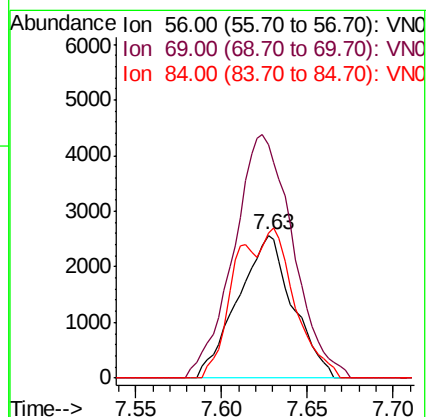
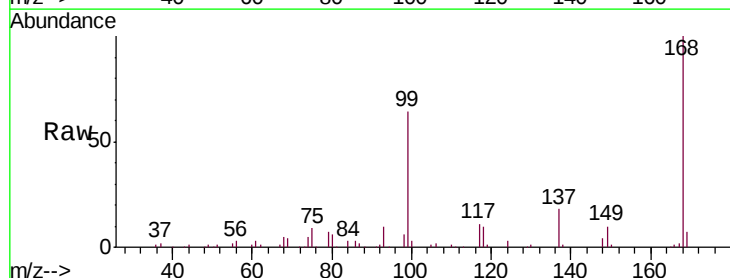
Tgt Ion: 56 Resp: 5673

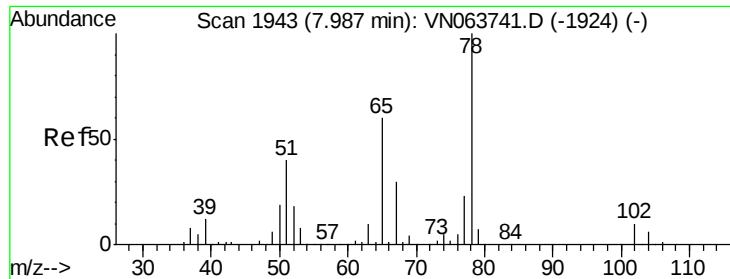
Ion Ratio Lower Upper

56 100

69 157.5 25.4 38.2#

84 101.8 63.3 94.9#

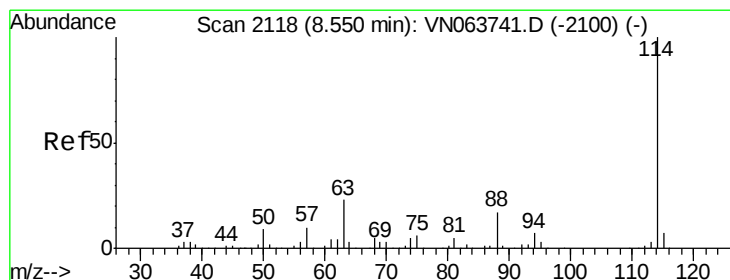
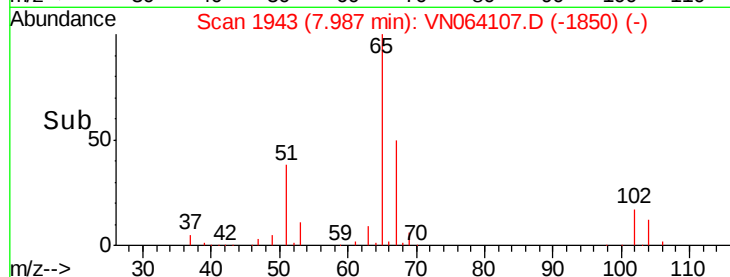
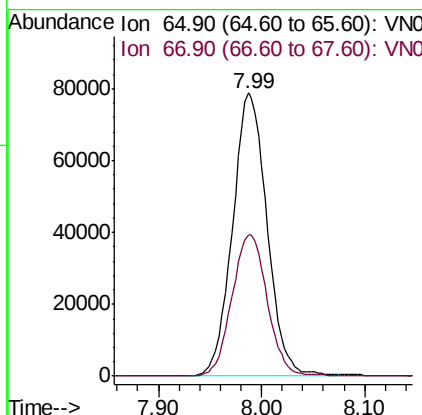
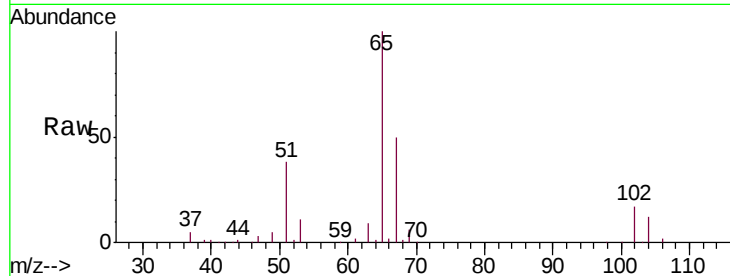




#33
 1,2-Dichloroethane-d4
 Concen: 49.500 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064107.D
 Acq: 13 Oct 2020 17:34

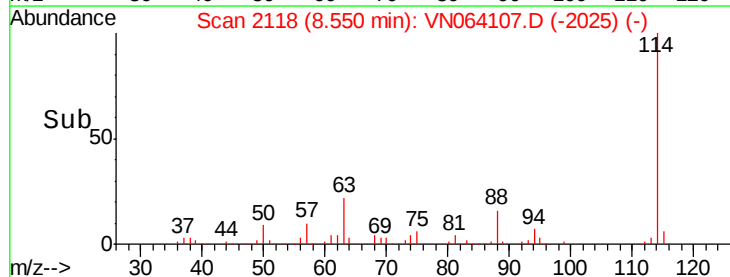
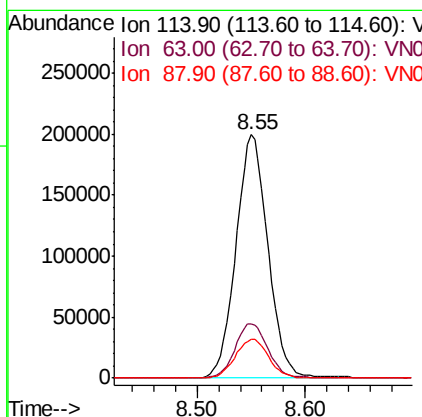
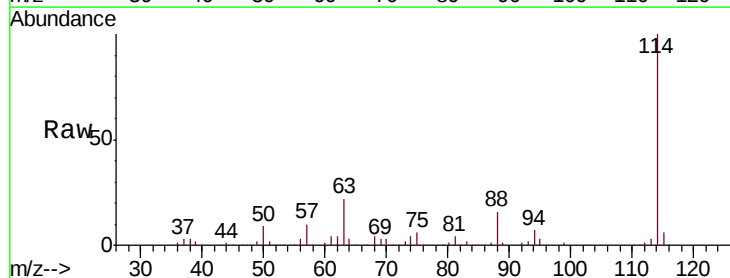
Instrument :
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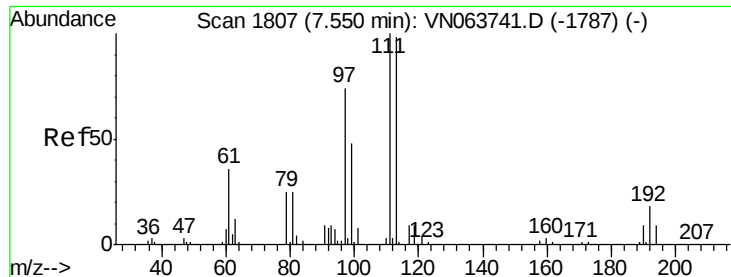
Tgt Ion: 65 Resp: 183532
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 99.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064107.D
 Acq: 13 Oct 2020 17:34

Tgt Ion: 114 Resp: 412392
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 45.0
 88 15.7 0.0 34.0

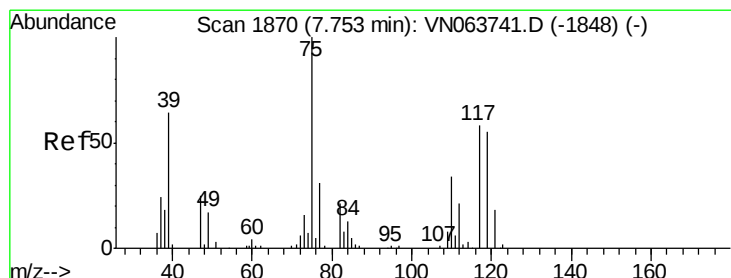
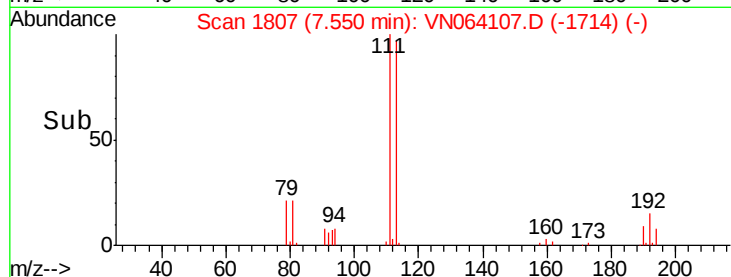
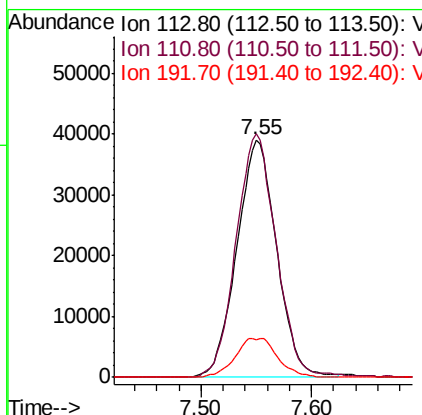
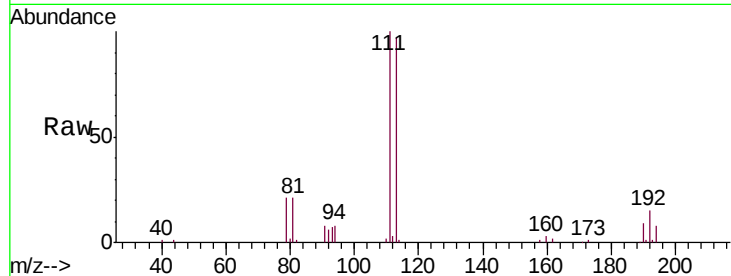




#35
Dibromofluoromethane
Concen: 34.116 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN064107.D
Acq: 13 Oct 2020 17:34

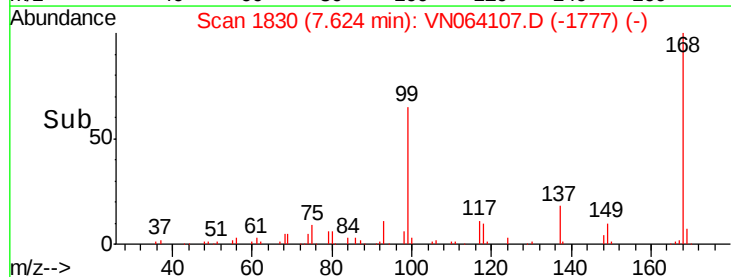
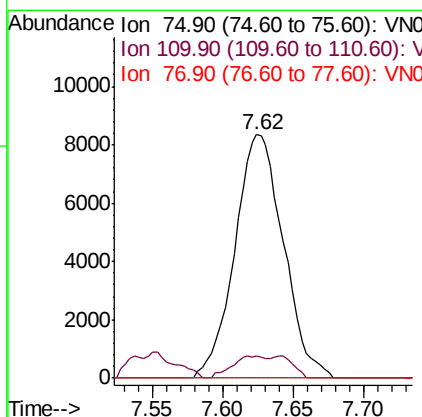
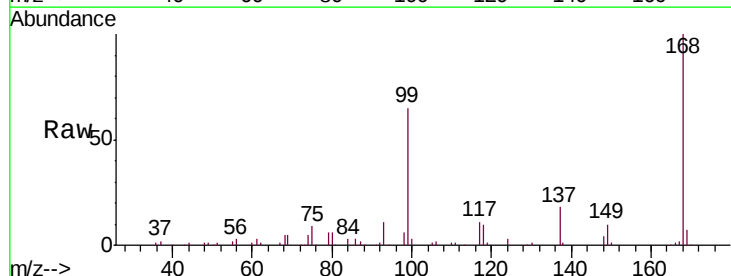
Instrument :
MSVOA_N
ClientSampleId :
OH-WC-C-D4RE

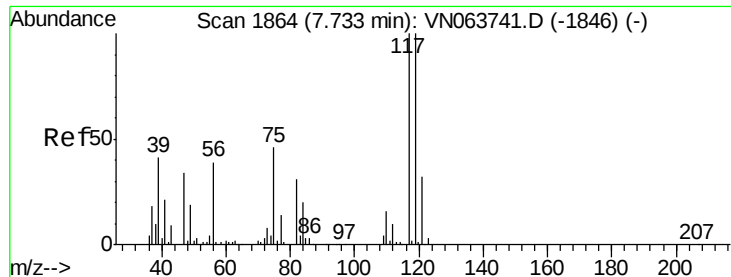
Tgt Ion:113 Resp: 97624
Ion Ratio Lower Upper
113 100
111 102.8 81.8 122.8
192 17.6 14.2 21.2



#36
1,1-Dichloropropene
Concen: 4.804 ug/l
RT: 7.62 min Scan# 1830
Delta R.T. -0.13 min
Lab File: VN064107.D
Acq: 13 Oct 2020 17:34

Tgt Ion: 75 Resp: 20072
Ion Ratio Lower Upper
75 100
110 6.8 16.9 50.6#
77 0.0 24.5 36.7#





#38

Carbon Tetrachloride

Concen: 5.384 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN064107.D

Acq: 13 Oct 2020 17:34

Instrument :

MSVOA_N

ClientSampleId :

OH-WC-C-D4RE

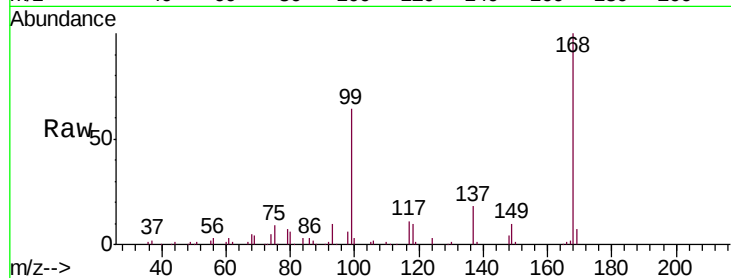
Tgt Ion:117 Resp: 25225

Ion Ratio Lower Upper

117 100

119 6.6 80.1 120.1#

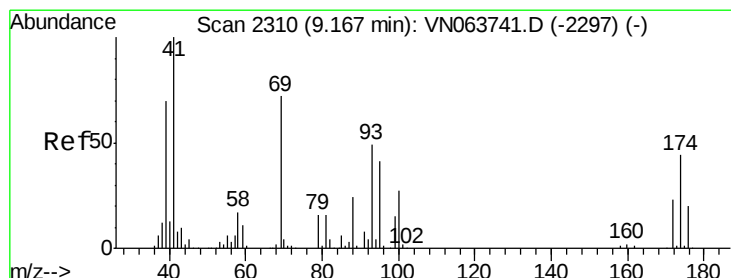
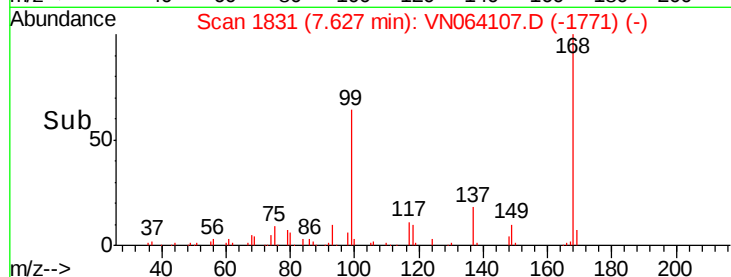
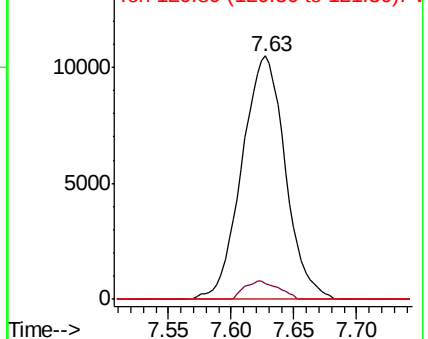
121 0.0 25.7 38.5#



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



#48

Methyl methacrylate

Concen: 1.439 ug/l

RT: 9.15 min Scan# 2306

Delta R.T. -0.01 min

Lab File: VN064107.D

Acq: 13 Oct 2020 17:34

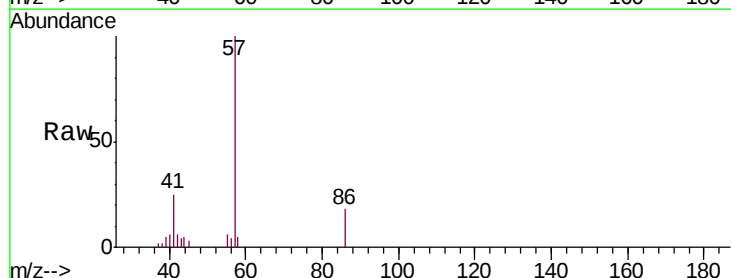
Tgt Ion: 41 Resp: 4869

Ion Ratio Lower Upper

41 100

69 0.0 60.9 91.3#

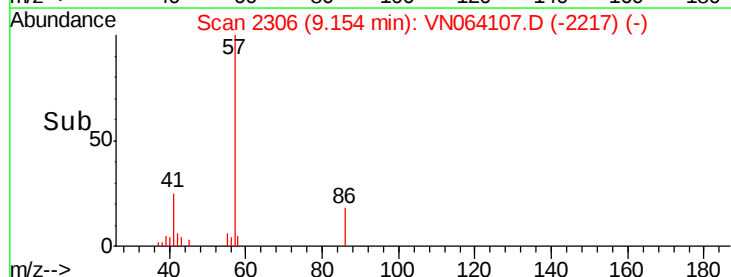
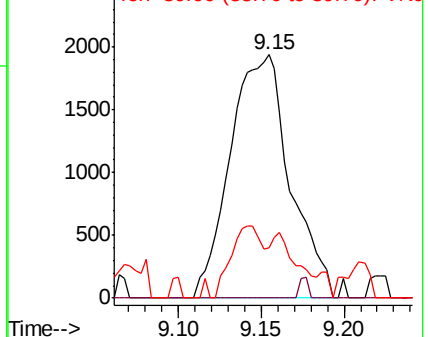
39 13.0 57.5 86.3#

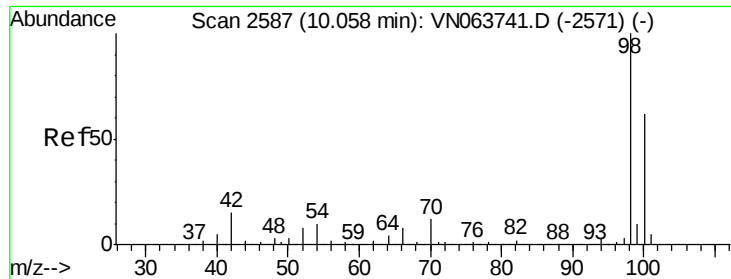


Abundance Ion 41.00 (40.70 to 41.70): V

Ion 69.00 (68.70 to 69.70): V

Ion 39.00 (38.70 to 39.70): V

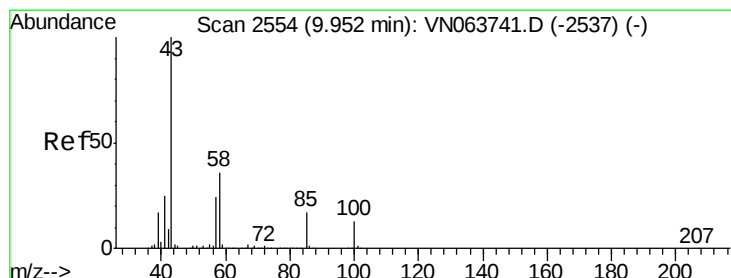
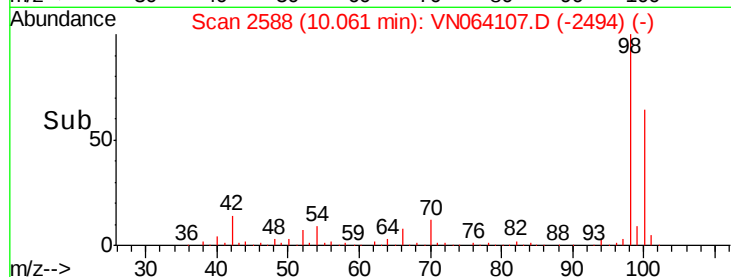
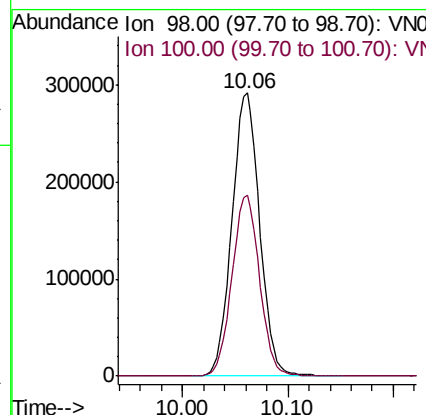
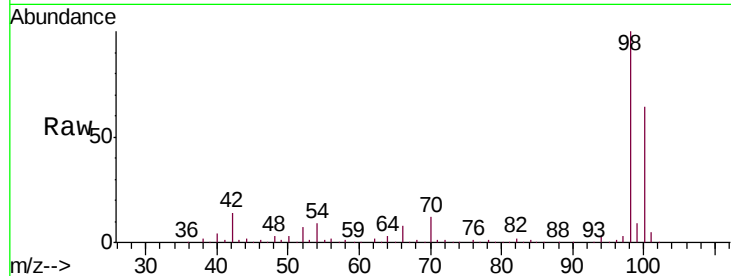




#50
Toluene-d8
Concen: 48.865 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN064107.D
Acq: 13 Oct 2020 17:34

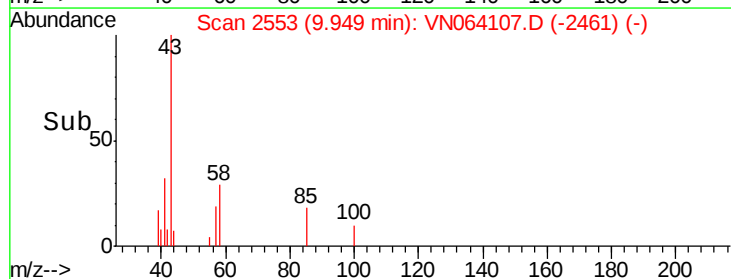
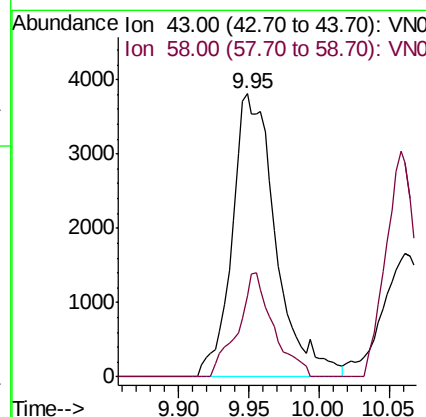
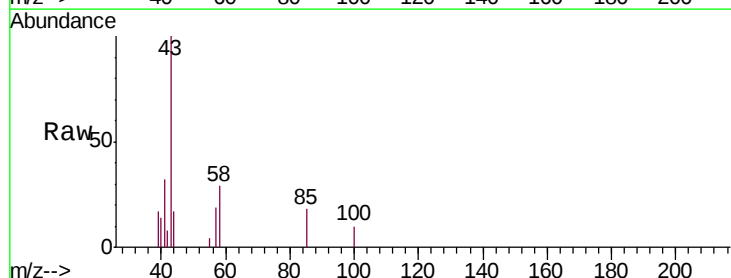
Instrument :
MSVOA_N
ClientSampleId :
OH-WC-C-D4RE

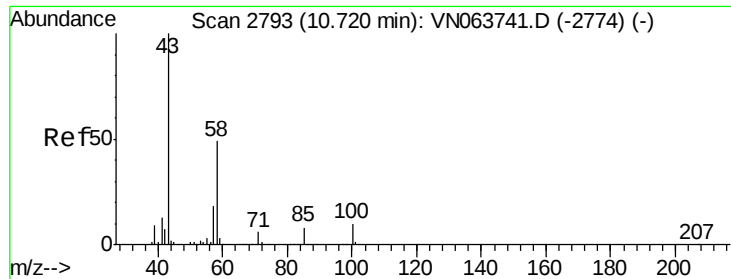
Tgt Ion: 98 Resp: 530073
Ion Ratio Lower Upper
98 100
100 63.6 49.8 74.6



#51
4-Methyl-2-Pentanone
Concen: 2.050 ug/l
RT: 9.95 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN064107.D
Acq: 13 Oct 2020 17:34

Tgt Ion: 43 Resp: 8235
Ion Ratio Lower Upper
43 100
58 29.8 28.4 42.6





#59

2-Hexanone

Concen: 28.177 ug/l

RT: 10.69 min Scan# 2784

Delta R.T. -0.03 min

Lab File: VN064107.D

Acq: 13 Oct 2020 17:34

Instrument :

MSVOA_N

ClientSampleId :

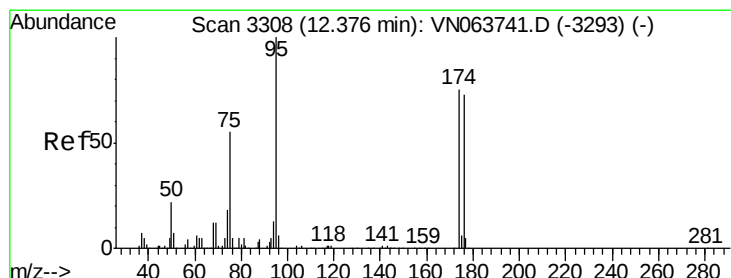
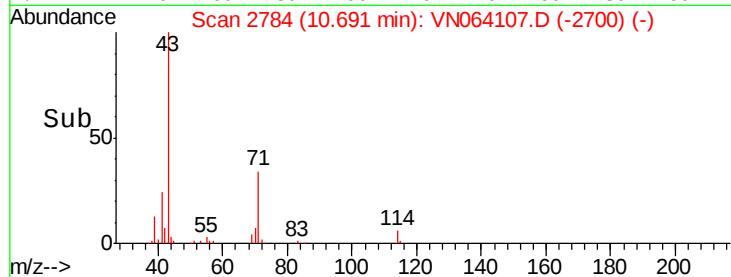
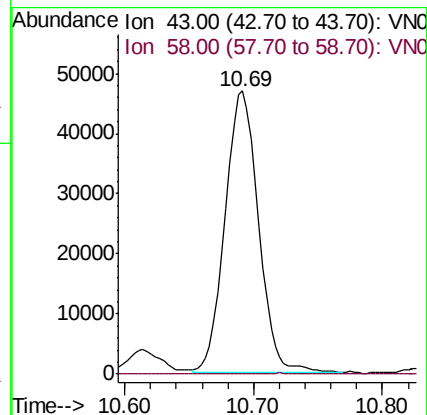
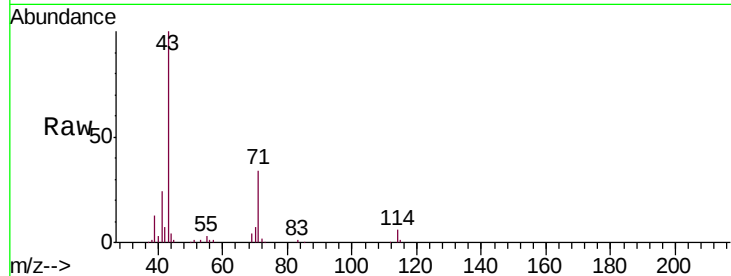
OH-WC-C-D4RE

Tgt Ion: 43 Resp: 84101

Ion Ratio Lower Upper

43 100

58 0.0 24.6 73.8#



#62

4-Bromofluorobenzene

Concen: 49.939 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064107.D

Acq: 13 Oct 2020 17:34

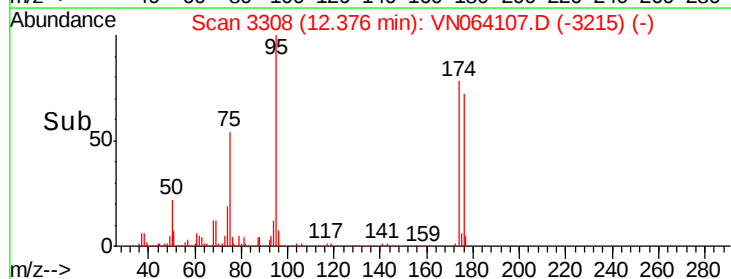
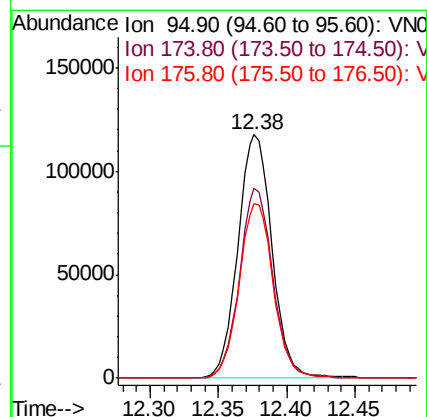
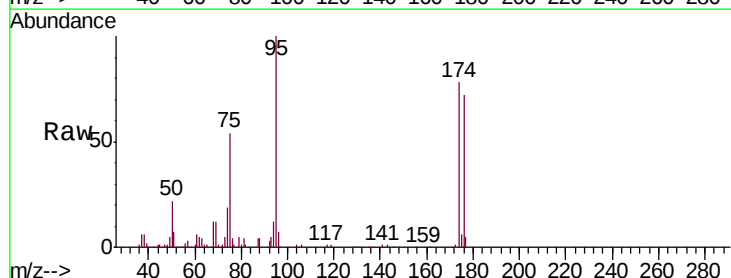
Tgt Ion: 95 Resp: 203637

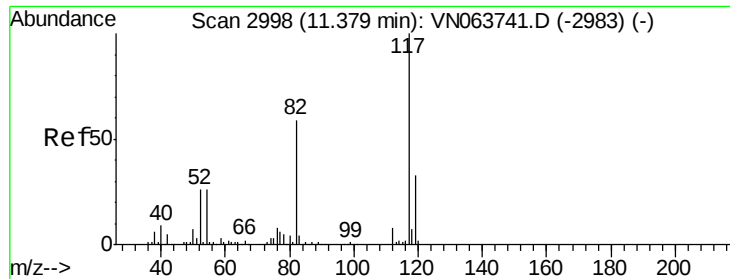
Ion Ratio Lower Upper

95 100

174 76.3 0.0 150.6

176 71.9 0.0 145.4

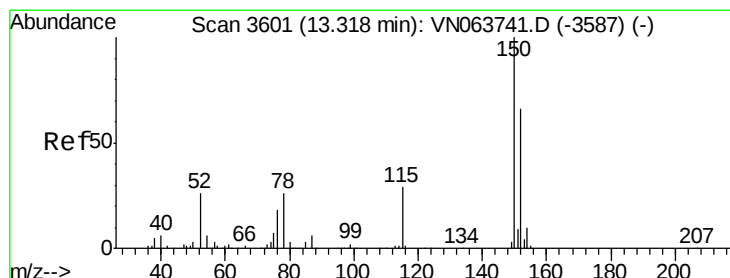
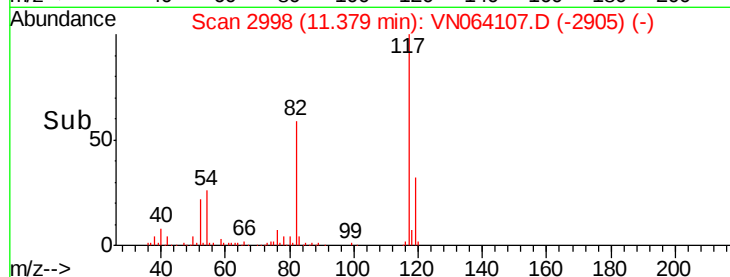
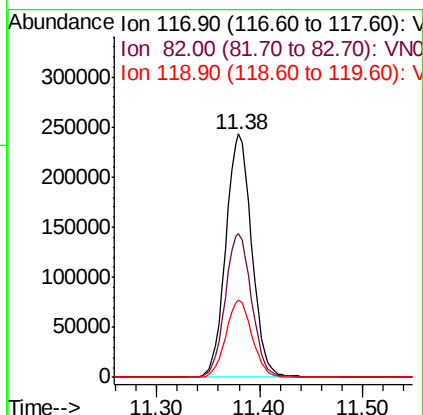
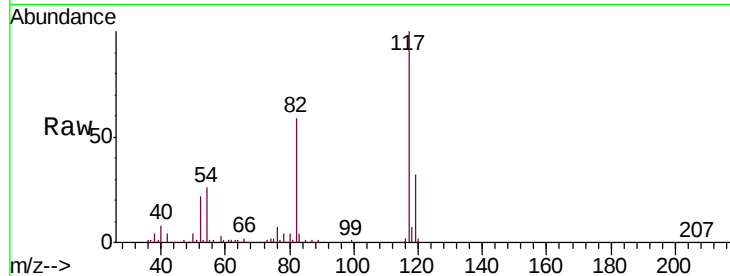




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064107.D
Acq: 13 Oct 2020 17:34

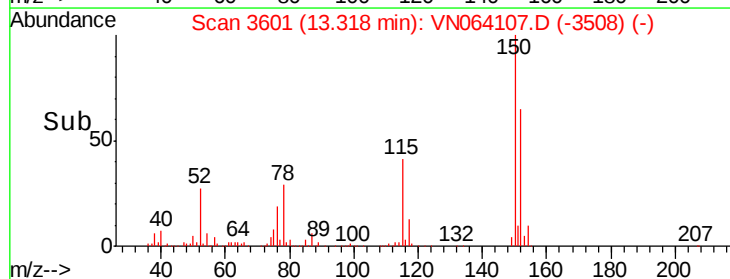
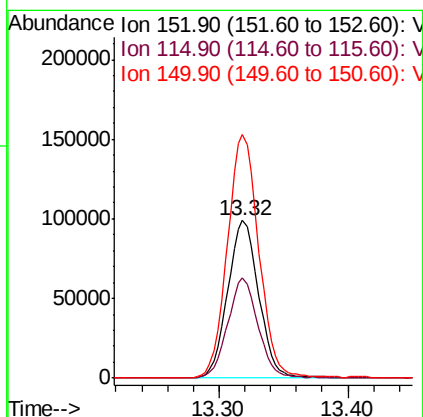
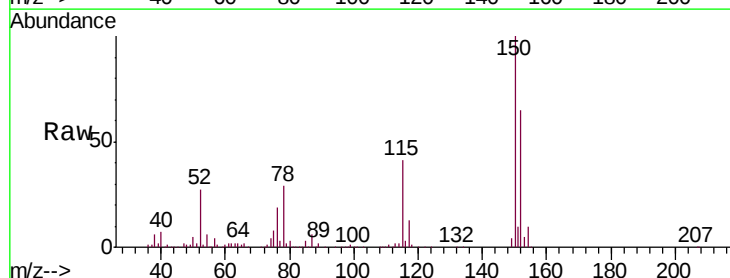
Instrument :
MSVOA_N
ClientSampleId :
OH-WC-C-D4RE

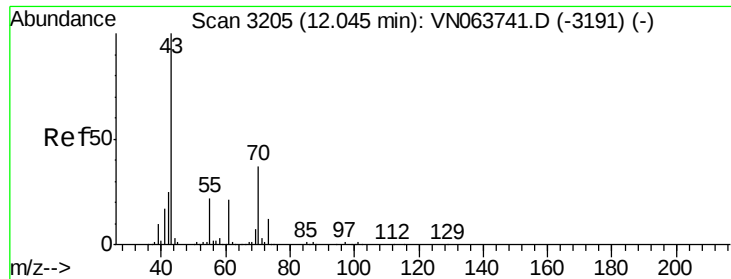
Tgt Ion:117 Resp: 426969
Ion Ratio Lower Upper
117 100
82 59.2 47.4 71.2
119 31.9 26.4 39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN064107.D
Acq: 13 Oct 2020 17:34

Tgt Ion:152 Resp: 165355
Ion Ratio Lower Upper
152 100
115 61.6 31.3 93.8
150 156.3 0.0 341.8

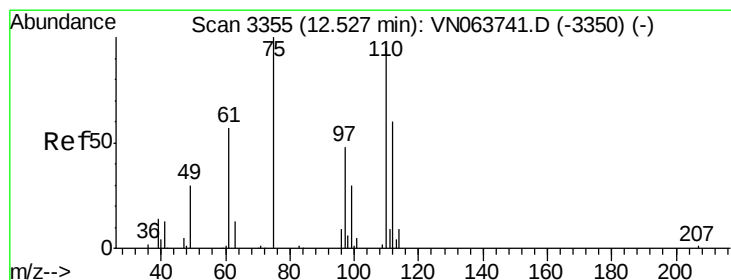
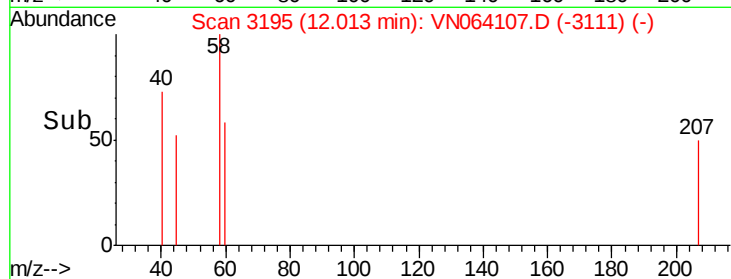
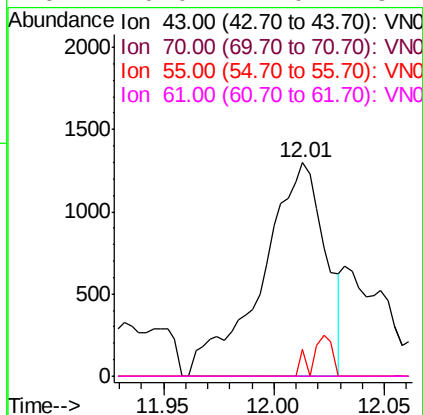
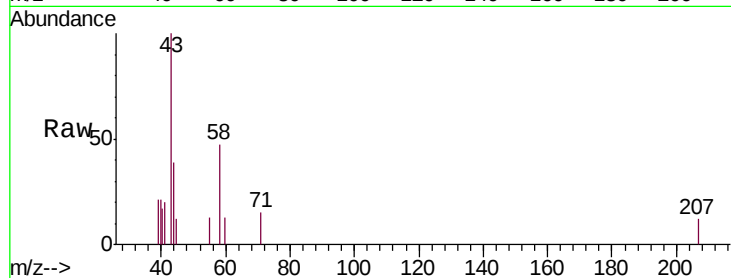




#74
N-ethyl acetate
Concen: 2.656 ug/l
RT: 12.01 min Scan# 3195
Delta R.T. -0.03 min
Lab File: VN064107.D
Acq: 13 Oct 2020 17:34

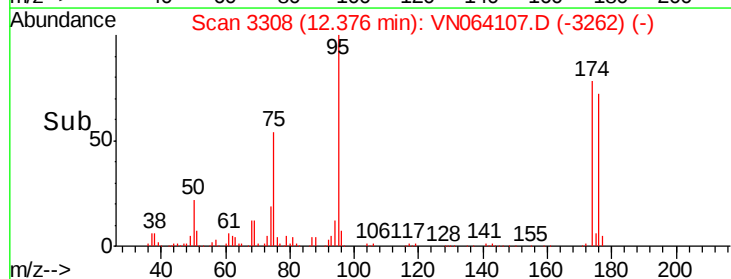
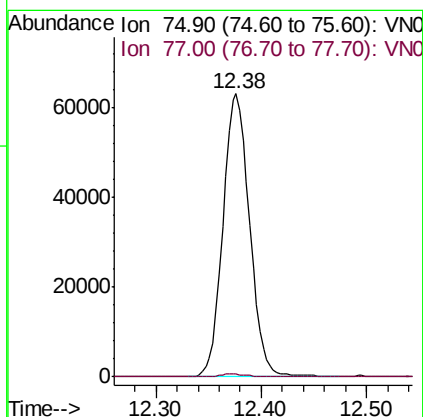
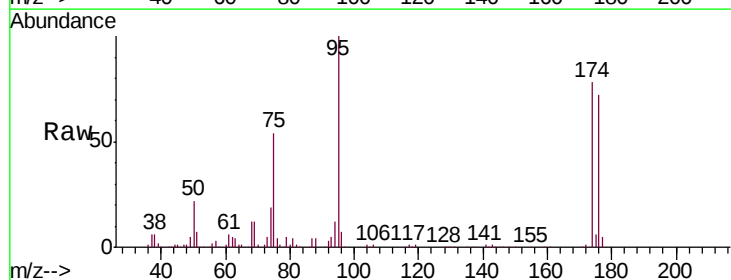
Instrument :
MSVOA_N
ClientSampleId :
OH-WC-C-D4RE

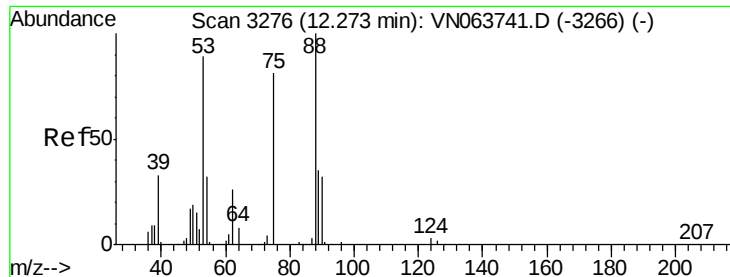
Tgt Ion: 43 Resp: 2584
Ion Ratio Lower Upper
43 100
70 0.0 29.8 44.8#
55 6.0 17.9 26.9#
61 0.0 17.0 25.4#



#76
1,2,3-Trichloropropane
Concen: 30.214 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.15 min
Lab File: VN064107.D
Acq: 13 Oct 2020 17:34

Tgt Ion: 75 Resp: 110133
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 87.022 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064107.D

Acq: 13 Oct 2020 17:34

Instrument :

MSVOA_N

ClientSampleId :

OH-WC-C-D4RE

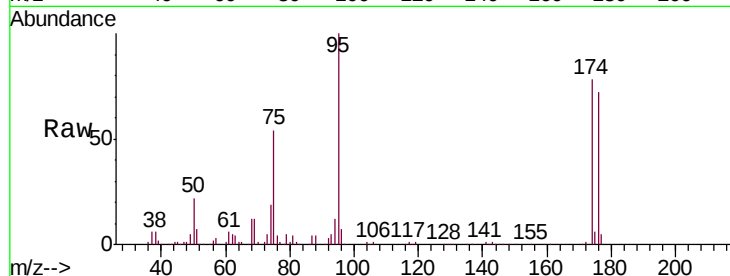
Tgt Ion: 75 Resp: 110133

Ion Ratio Lower Upper

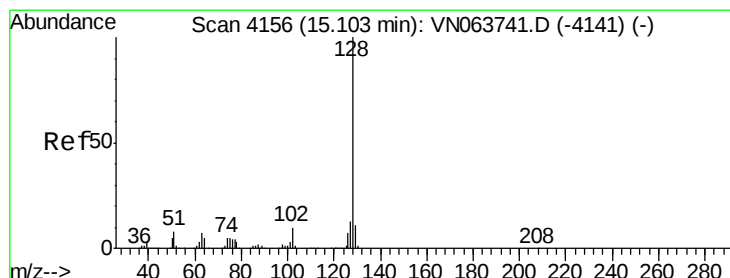
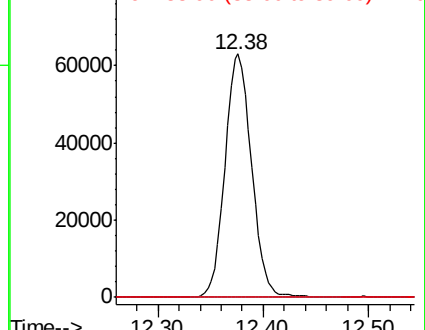
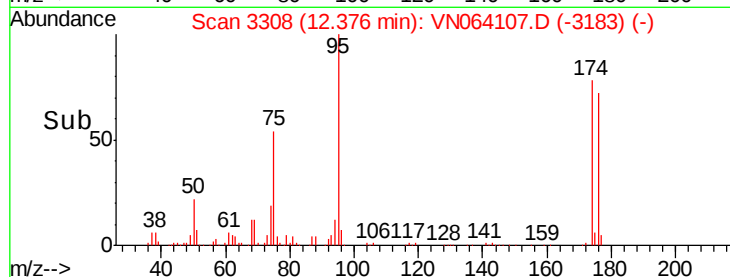
75 100

53 0.1 88.2 132.2#

89 0.1 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VN064107.D (-3183) (-)



#95

Naphthalene

Concen: 1.931 ug/l

RT: 15.12 min Scan# 4160

Delta R.T. 0.01 min

Lab File: VN064107.D

Acq: 13 Oct 2020 17:34

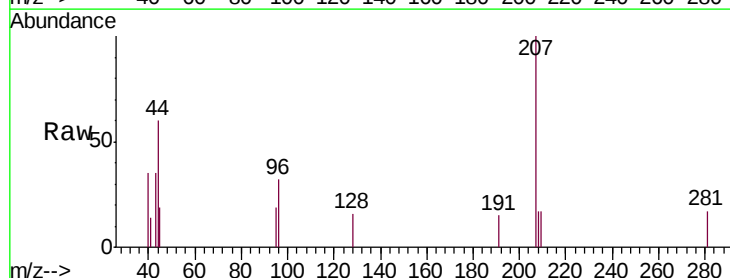
Tgt Ion: 128 Resp: 64

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): VN064107.D (-4062) (-)

