

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101220\
 Data File : VN064089.D
 Acq On : 12 Oct 2020 19:50
 Operator : JC/MD
 Sample : L4333-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 OH-WC-C-J4

Quant Time: Oct 13 01:09:58 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	227304	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	419913	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	431747	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	169305	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	191308	50.94	ug/l	0.00
Spiked Amount			Recovery	=	101.88%	
35) Dibromofluoromethane	7.55	113	112725	38.69	ug/l	0.00
Spiked Amount			Recovery	=	77.38%	
50) Toluene-d8	10.06	98	533258	48.28	ug/l	0.00
Spiked Amount			Recovery	=	96.56%	
62) 4-Bromofluorobenzene	12.38	95	208044	50.11	ug/l	0.00
Spiked Amount			Recovery	=	100.22%	

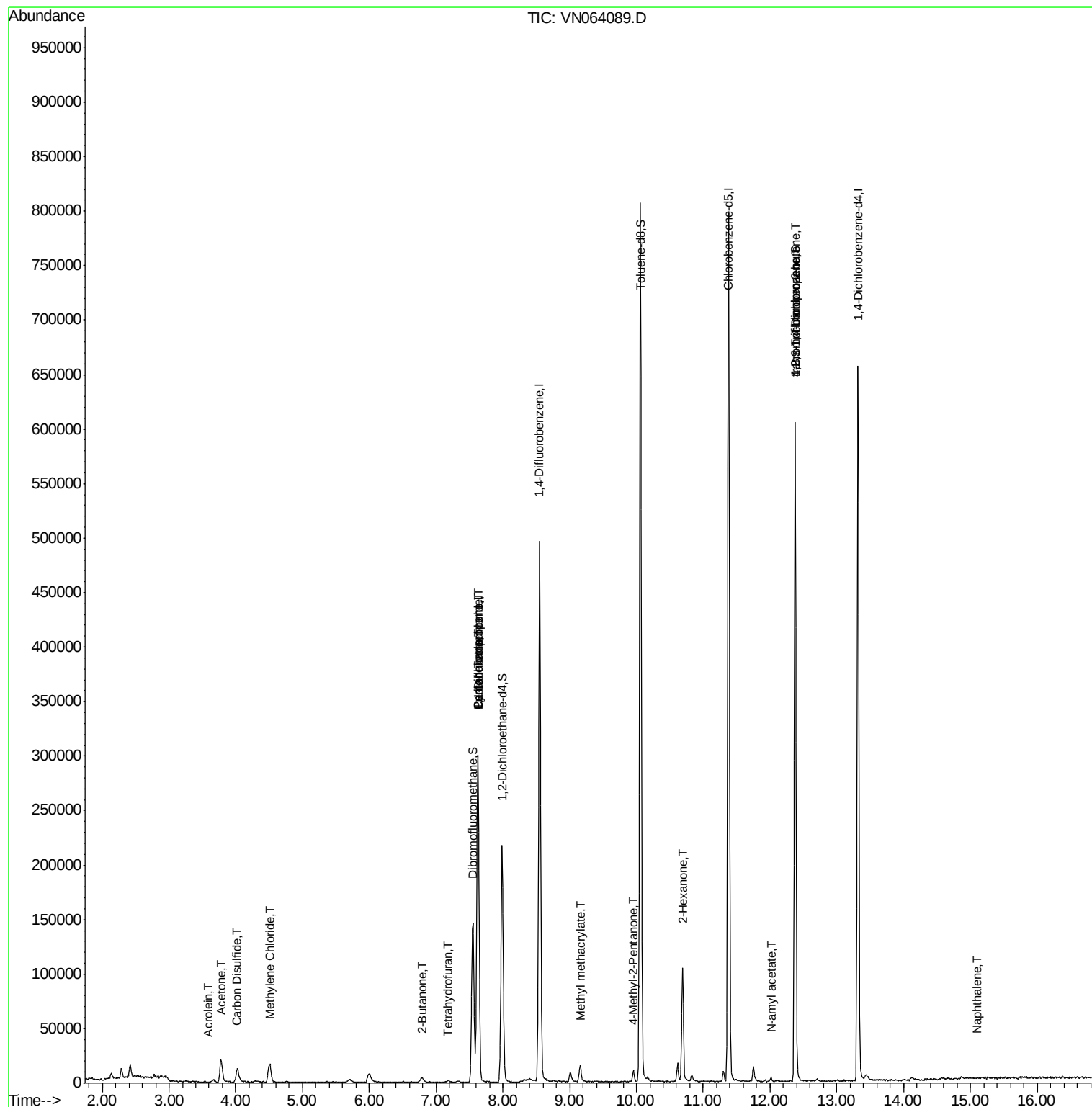
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.59	56	66	0.259	ug/l #	14
16) Acetone	3.78	43	37842	32.736	ug/l	96
17) Carbon Disulfide	4.00	76	683	0.809	ug/l #	76
20) Methylene Chloride	4.51	84	12098	4.658	ug/l	87
25) 2-Butanone	6.80	43	4281	2.612	ug/l #	81
29) Tetrahydrofuran	7.17	42	647	0.589	ug/l #	57
31) Cyclohexane	7.62	56	5849	1.342	ug/l #	34
36) 1,1-Dichloropropene	7.63	75	20955	4.926	ug/l #	51
38) Carbon Tetrachloride	7.63	117	23585	4.944	ug/l #	15
48) Methyl methacrylate	9.15	41	5620	1.632	ug/l #	31
51) 4-Methyl-2-Pentanone	9.96	43	7976	1.950	ug/l	91
59) 2-Hexanone	10.69	43	83341	27.422	ug/l #	28
74) N-amyl acetate	12.02	43	1782	2.513	ug/l #	52
76) 1,2,3-Trichloropropane	12.38	75	111747	29.942	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	111747	86.237	ug/l #	6
95) Naphthalene	15.12	128	442	1.971	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: VN064089.D

Acq: 12 Oct 2020 19:50

Instrument :

MSVOA_N

ClientSampled :

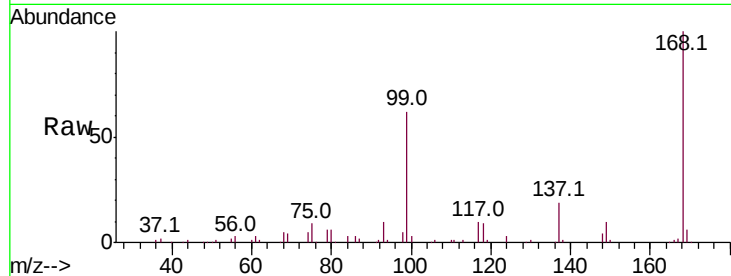
OH-WC-C-J4

Tot Ion:168 Resp: 227304

Ion Ratio Lower Upper

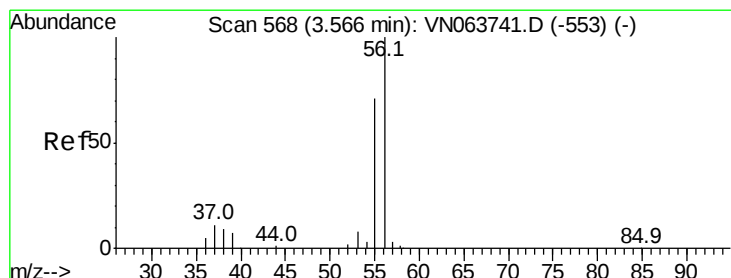
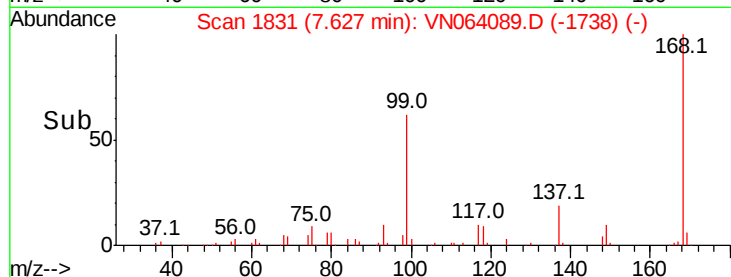
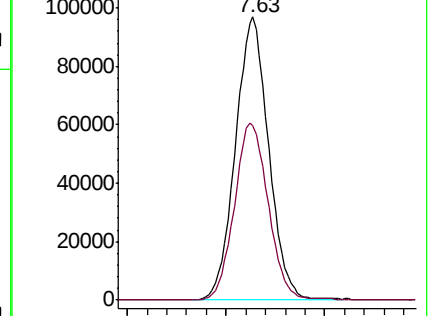
168 100

99 61.5 51.8 77.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#13

Acrolein

Concen: 0.259 ug/l

RT: 3.59 min Scan# 574

Delta R.T. 0.02 min

Lab File: VN064089.D

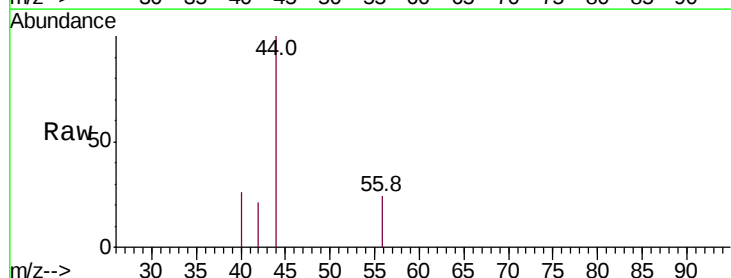
Acq: 12 Oct 2020 19:50

Tgt Ion: 56 Resp: 66

Ion Ratio Lower Upper

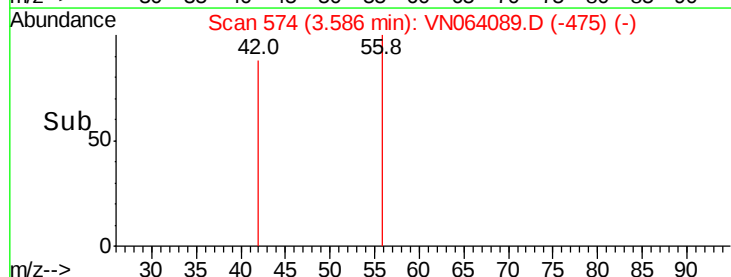
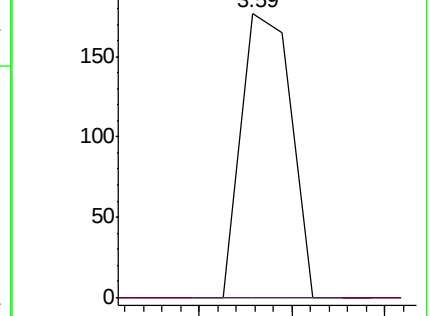
56 100

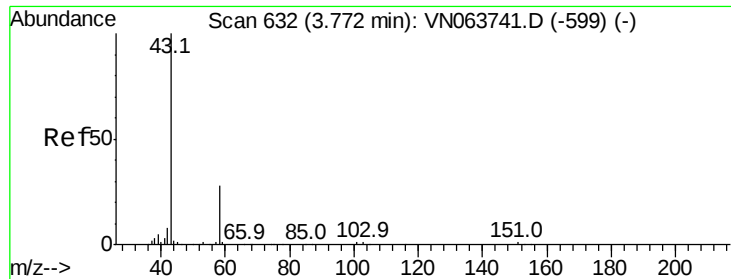
55 0.0 56.9 85.3#



Abundance Ion 56.00 (55.70 to 56.70): VN

Ion 55.00 (54.70 to 55.70): VN





#16

Acetone

Concen: 32.736 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.01 min

Lab File: VN064089.D

Acq: 12 Oct 2020 19:50

Instrument :

MSVOA_N

ClientSampleId :

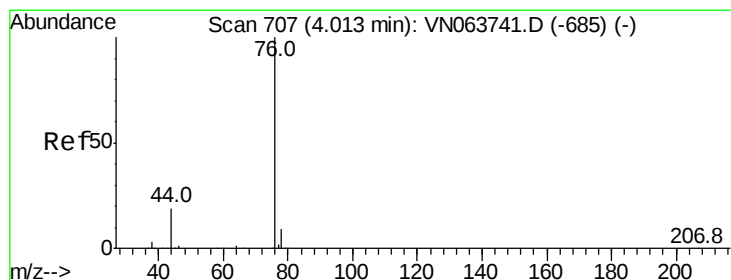
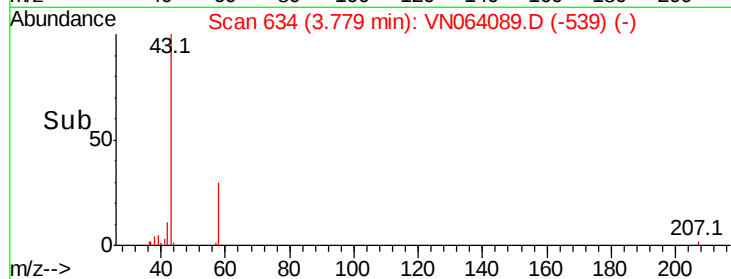
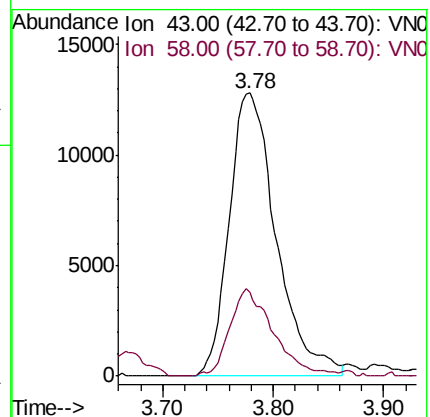
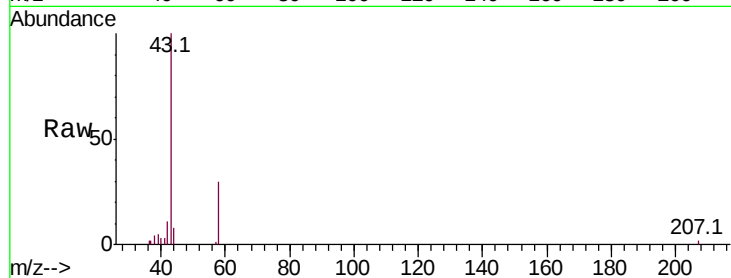
OH-WC-C-J4

Tot Ion: 43 Resp: 37842

Ion Ratio Lower Upper

43 100

58 29.7 22.3 33.5



#17

Carbon Disulfide

Concen: 0.809 ug/l

RT: 4.00 min Scan# 704

Delta R.T. -0.01 min

Lab File: VN064089.D

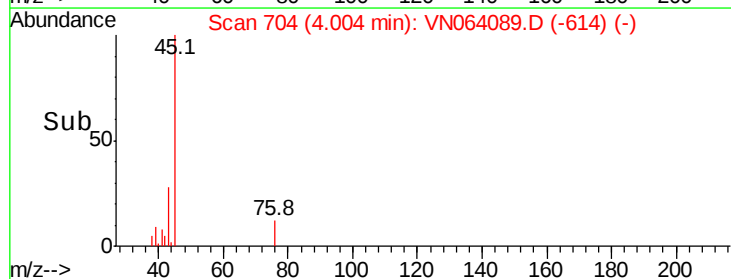
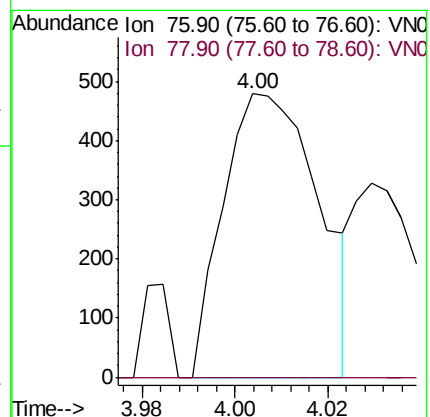
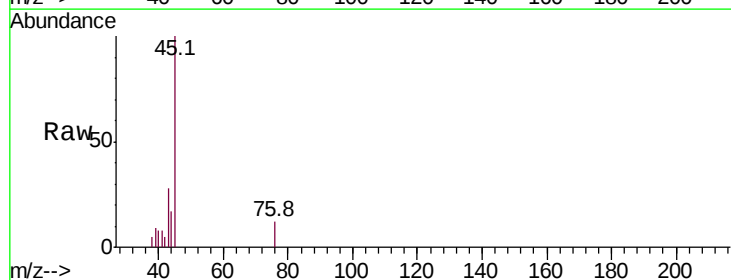
Acq: 12 Oct 2020 19:50

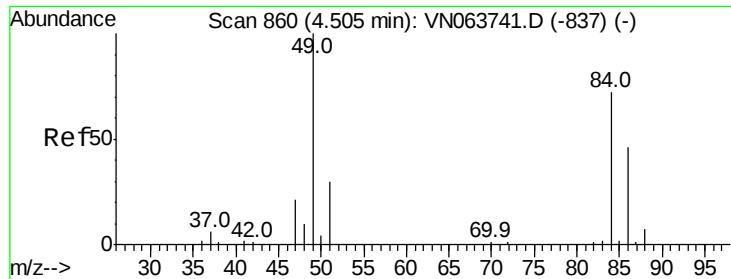
Tgt Ion: 76 Resp: 683

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.4#

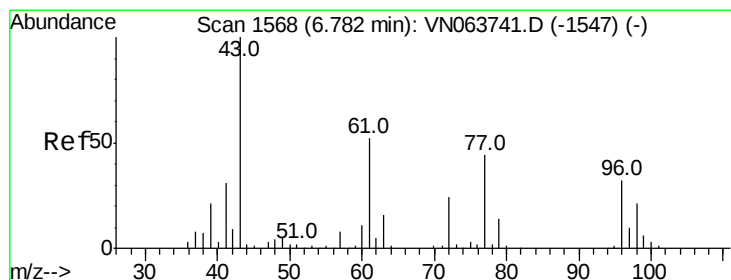
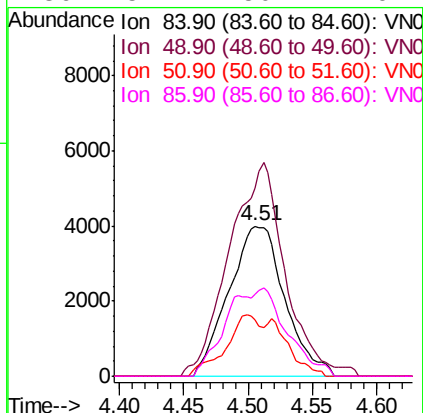
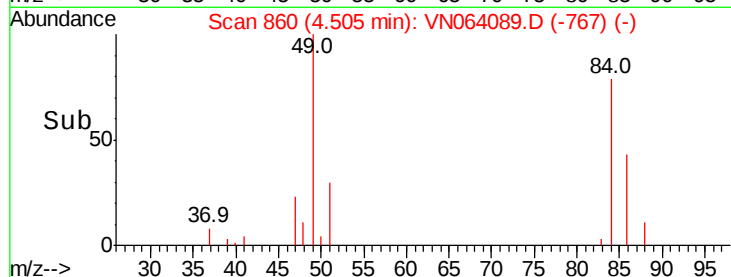
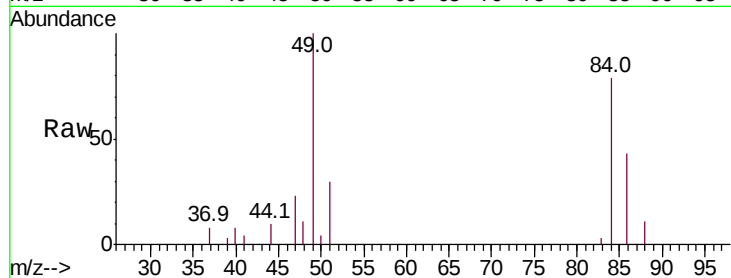




#20
Methvlene Chloride
Concen: 4.658 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN064089.D
Acq: 12 Oct 2020 19:50

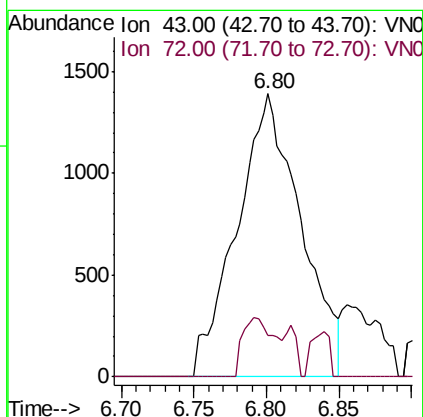
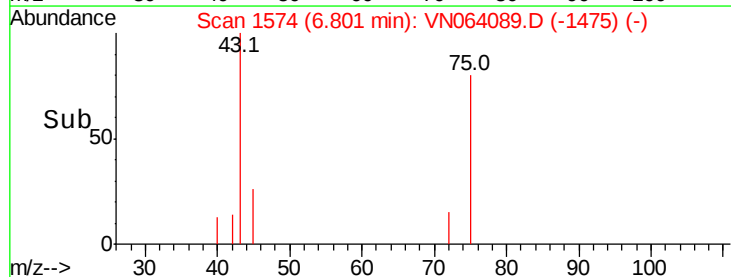
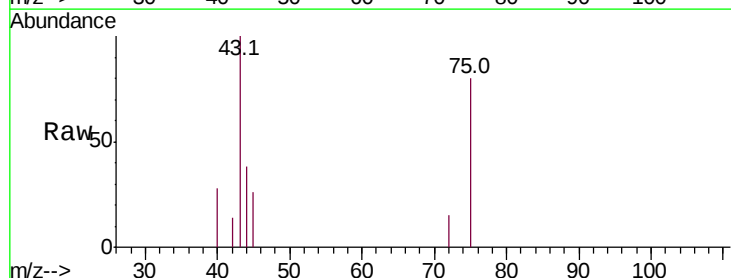
Instrument :
MSVOA_N
ClientSampled :
OH-WC-C-J4

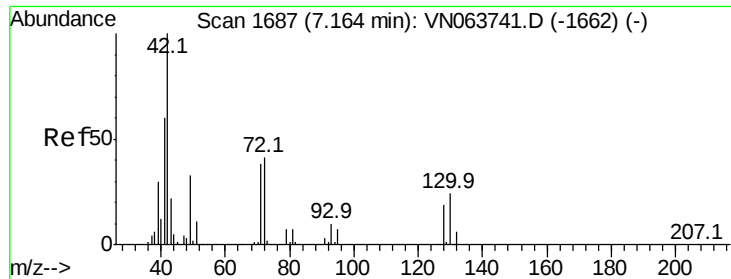
Tot Ion: 84 Resp: 12098
Ion Ratio Lower Upper
84 100
49 120.3 110.4 165.6
51 37.2 33.3 49.9
86 54.4 50.7 76.1



#25
2-Butanone
Concen: 2.612 ug/l
RT: 6.80 min Scan# 1574
Delta R.T. 0.02 min
Lab File: VN064089.D
Acq: 12 Oct 2020 19:50

Tgt Ion: 43 Resp: 4281
Ion Ratio Lower Upper
43 100
72 14.7 19.3 28.9#





#29

Tetrahydrofuran

Concen: 0.589 ug/l

RT: 7.17 min Scan# 1689

Delta R.T. 0.01 min

Lab File: VN064089.D

Acq: 12 Oct 2020 19:50

Instrument :

MSVOA_N

ClientSampleId :

OH-WC-C-J4

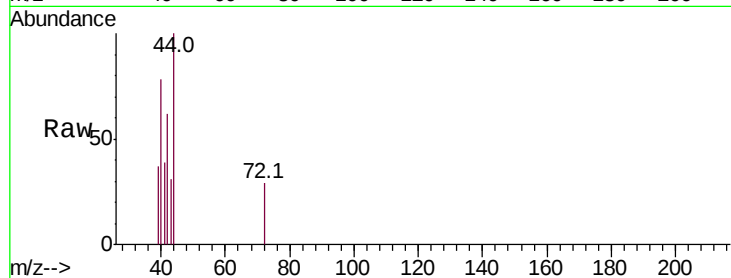
Tot Ion: 42 Resp: 647

Ion Ratio Lower Upper

42 100

72 26.3 32.8 49.2#

71 0.0 30.6 45.8#

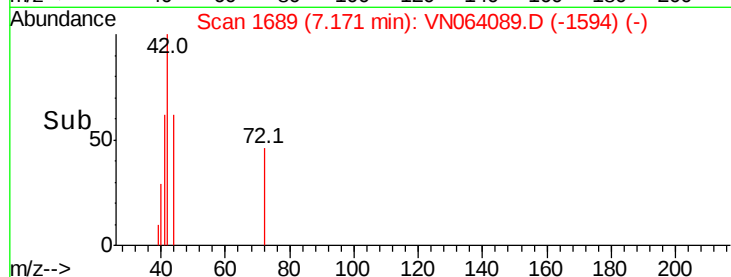


Abundance Ion 42.00 (41.70 to 42.70): VN063741.D (-1662) (-)

Ion 72.00 (71.70 to 72.70): VN063741.D (-1662) (-)

Ion 71.00 (70.70 to 71.70): VN063741.D (-1662) (-)

Time-->

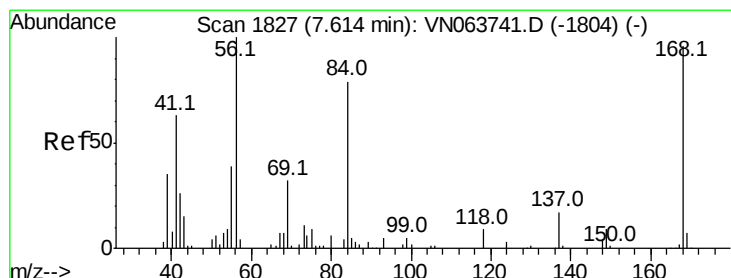


Abundance Ion 42.00 (41.70 to 42.70): VN064089.D (-1594) (-)

Ion 72.00 (71.70 to 72.70): VN064089.D (-1594) (-)

Ion 71.00 (70.70 to 71.70): VN064089.D (-1594) (-)

Time-->



#31

Cyclohexane

Concen: 1.342 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN064089.D

Acq: 12 Oct 2020 19:50

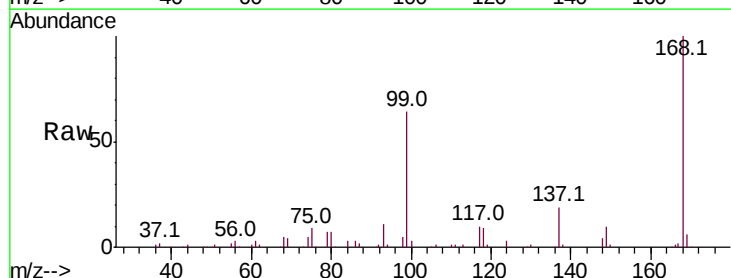
Tgt Ion: 56 Resp: 5849

Ion Ratio Lower Upper

56 100

69 133.1 25.4 38.2#

84 95.7 63.3 94.9#

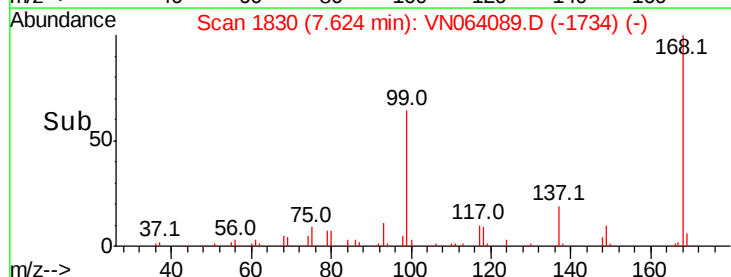


Abundance Ion 56.00 (55.70 to 56.70): VN063741.D (-1804) (-)

Ion 69.00 (68.70 to 69.70): VN063741.D (-1804) (-)

Ion 84.00 (83.70 to 84.70): VN063741.D (-1804) (-)

Time-->

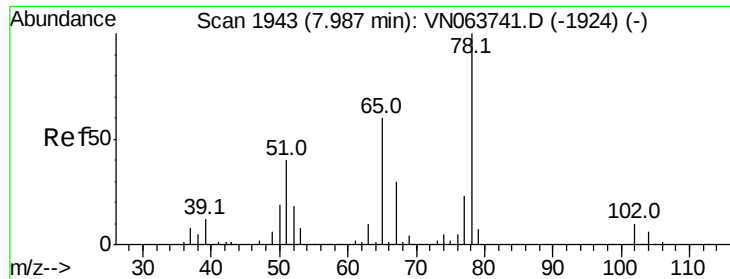


Abundance Ion 56.00 (55.70 to 56.70): VN064089.D (-1734) (-)

Ion 69.00 (68.70 to 69.70): VN064089.D (-1734) (-)

Ion 84.00 (83.70 to 84.70): VN064089.D (-1734) (-)

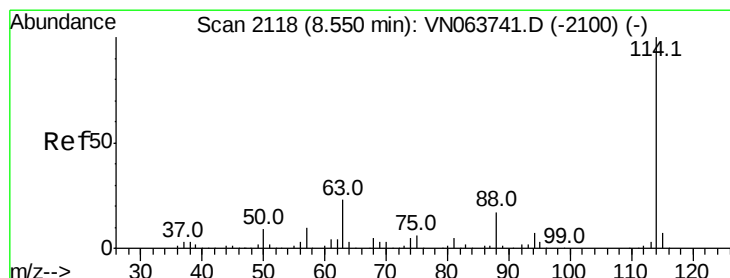
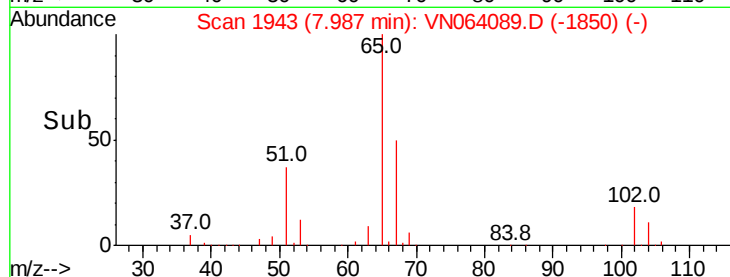
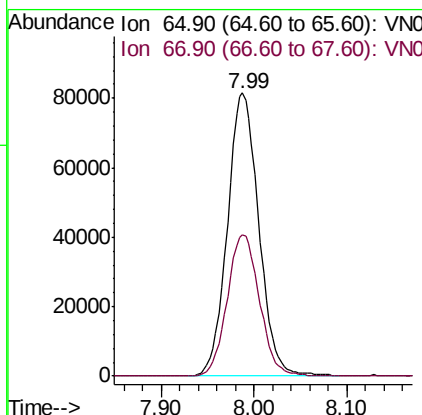
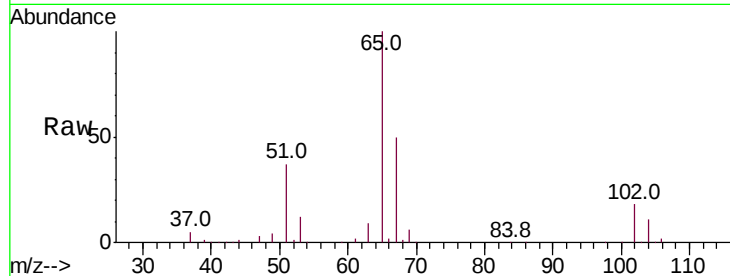
Time-->



#33
 1,2-Dichloroethane-d4
 Concen: 50.945 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064089.D
 Acq: 12 Oct 2020 19:50

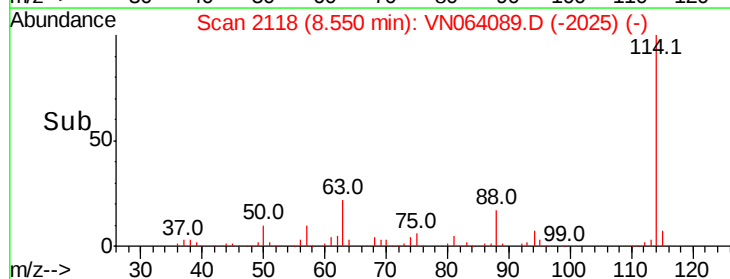
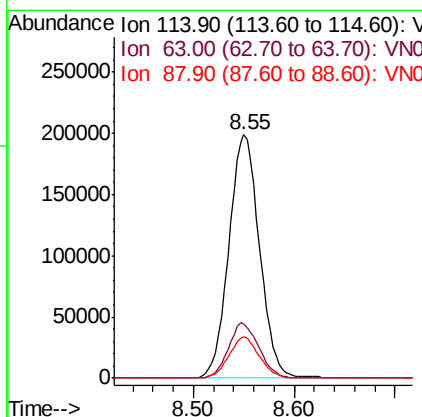
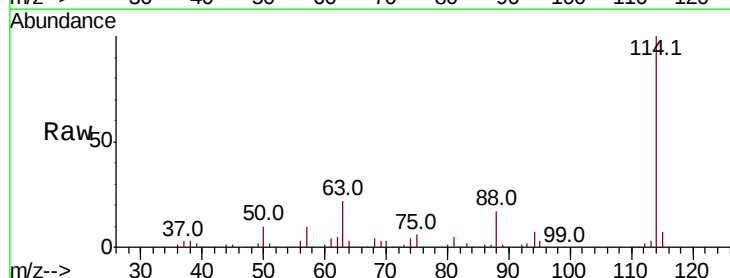
Instrument :
 MSVOA_N
 ClientSampleId :
 OH-WC-C-J4

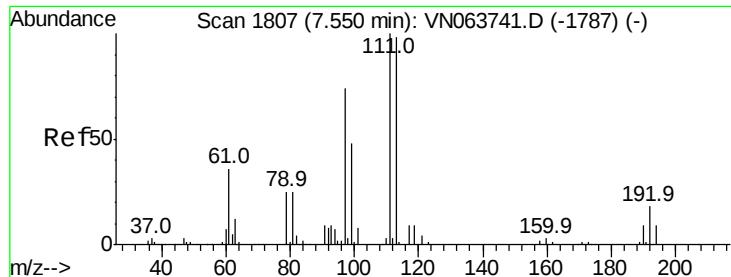
Tot Ion: 65 Resp: 191308
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 99.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064089.D
 Acq: 12 Oct 2020 19:50

Tgt Ion: 114 Resp: 419913
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 45.0
 88 17.0 0.0 34.0





#35

Dibromofluoromethane

Concen: 38.688 ug/l

RT: 7.55 min Scan# 1806

Delta R.T. -0.00 min

Lab File: VN064089.D

Acq: 12 Oct 2020 19:50

Instrument :

MSVOA_N

ClientSampleId :

OH-WC-C-J4

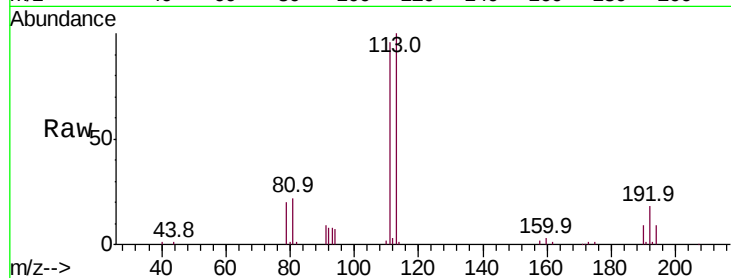
Tot Ion:113 Resp: 112725

Ion Ratio Lower Upper

113 100

111 100.7 81.8 122.8

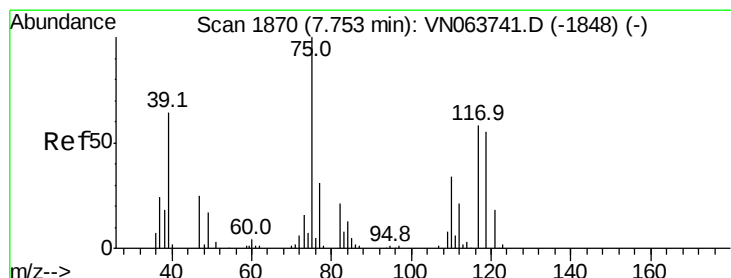
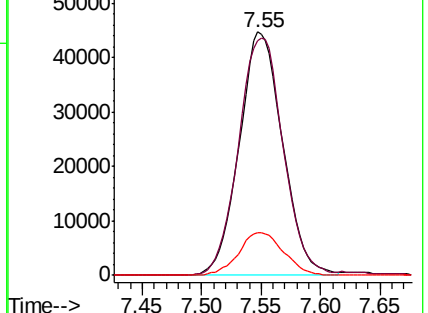
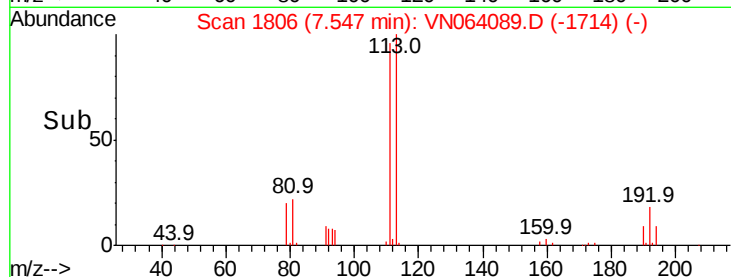
192 18.3 14.2 21.2



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: 4.926 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.13 min

Lab File: VN064089.D

Acq: 12 Oct 2020 19:50

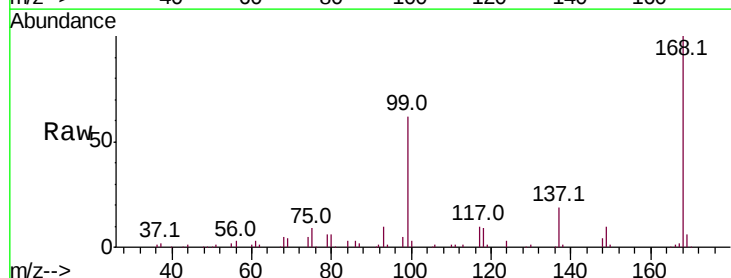
Tgt Ion: 75 Resp: 20955

Ion Ratio Lower Upper

75 100

110 8.8 16.9 50.6#

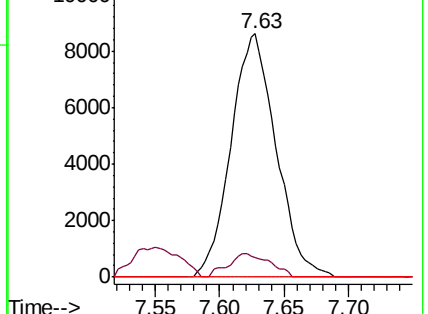
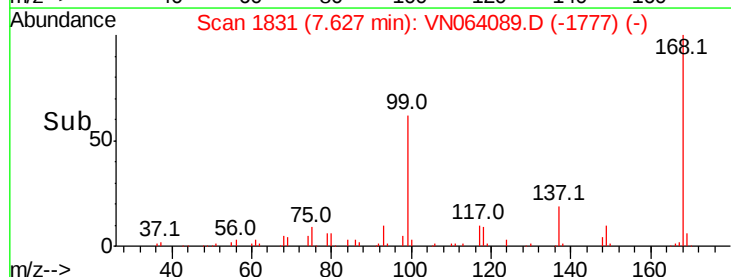
77 0.0 24.5 36.7#

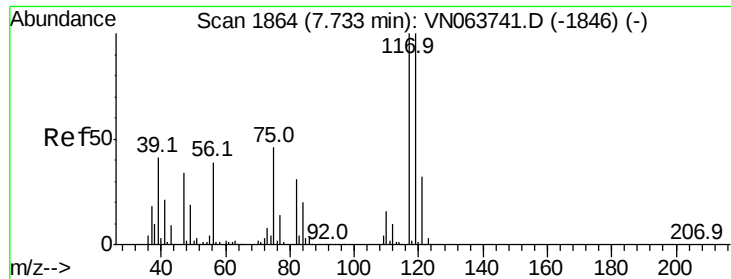


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0





#38

Carbon Tetrachloride

Concen: 4.944 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN064089.D

Acq: 12 Oct 2020 19:50

Instrument :

MSVOA_N

ClientSampled :

OH-WC-C-J4

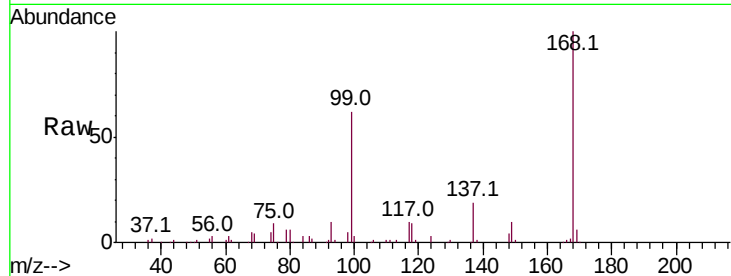
Tot Ion:117 Resp: 23585

Ion Ratio Lower Upper

117 100

119 5.7 80.1 120.1#

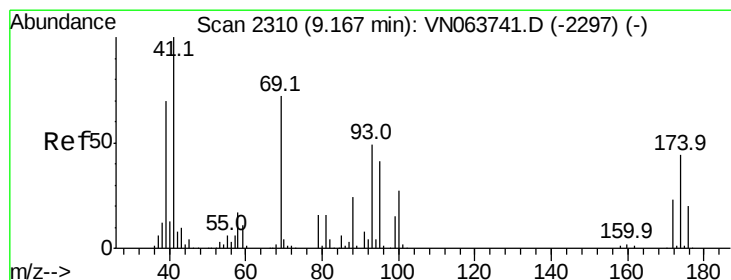
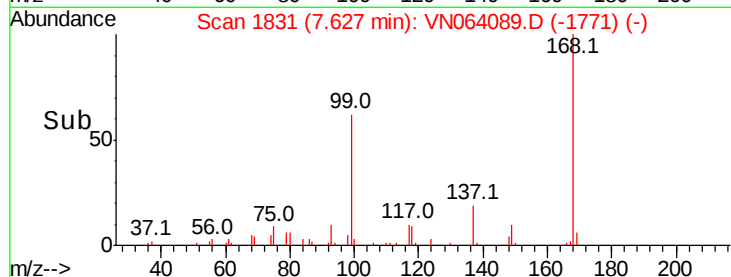
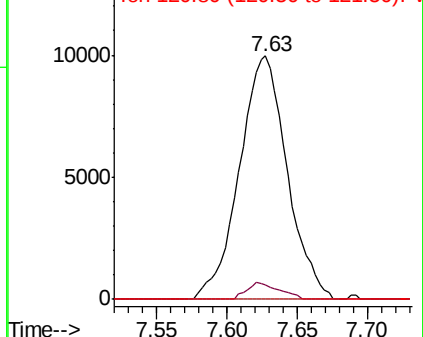
121 0.0 25.7 38.5#



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: 1.632 ug/l

RT: 9.15 min Scan# 2304

Delta R.T. -0.02 min

Lab File: VN064089.D

Acq: 12 Oct 2020 19:50

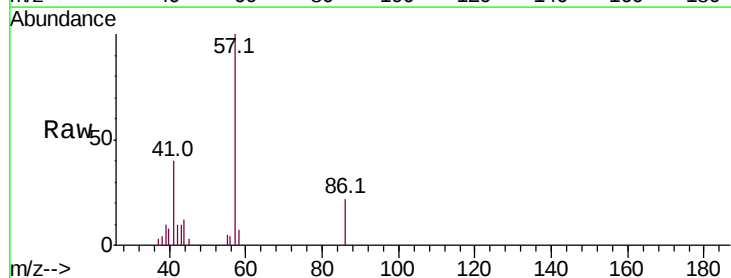
Tgt Ion: 41 Resp: 5620

Ion Ratio Lower Upper

41 100

69 0.0 60.9 91.3#

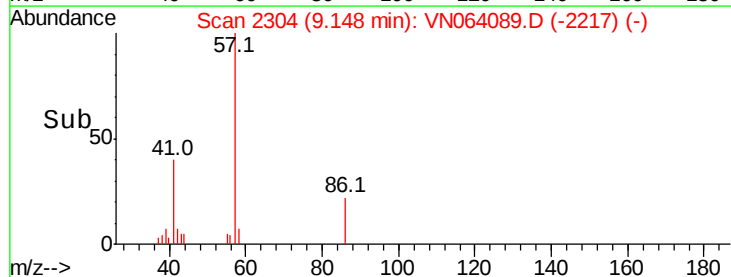
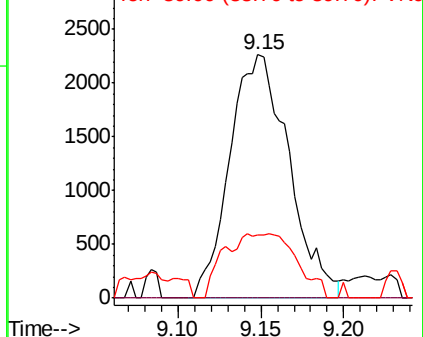
39 32.0 57.5 86.3#

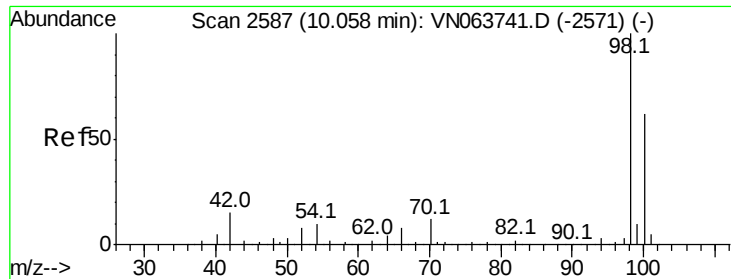


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#50

Toluene-d8

Concen: 48.279 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064089.D

Acq: 12 Oct 2020 19:50

Instrument :

MSVOA_N

ClientSampleId :

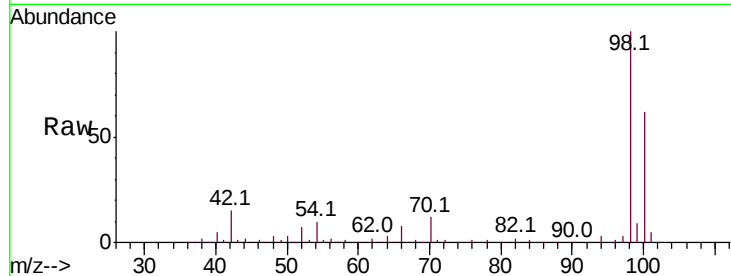
OH-WC-C-J4

Tot Ion: 98 Resp: 533258

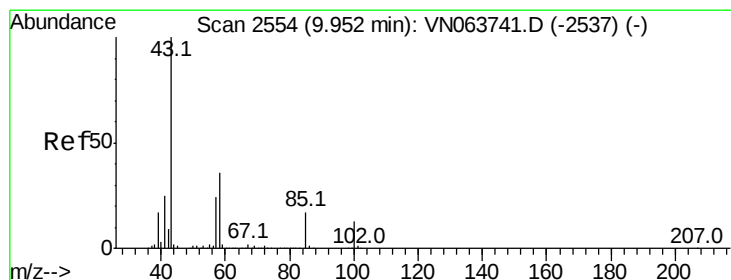
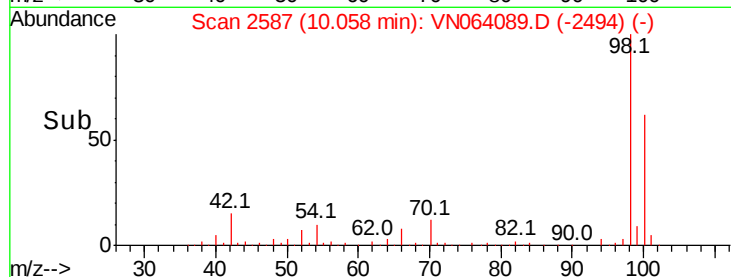
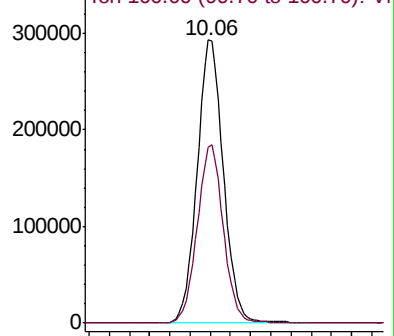
Ion Ratio Lower Upper

98 100

100 62.8 49.8 74.6



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



#51

4-Methyl-2-Pentanone

Concen: 1.950 ug/l

RT: 9.96 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN064089.D

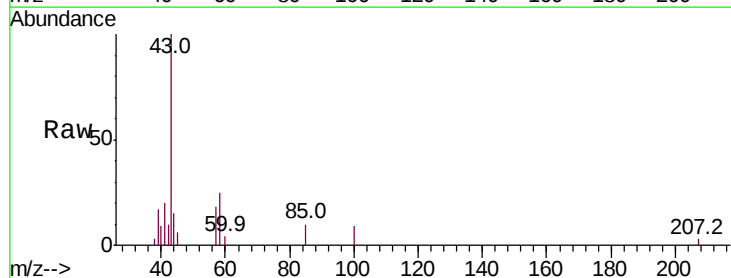
Acq: 12 Oct 2020 19:50

Tgt Ion: 43 Resp: 7976

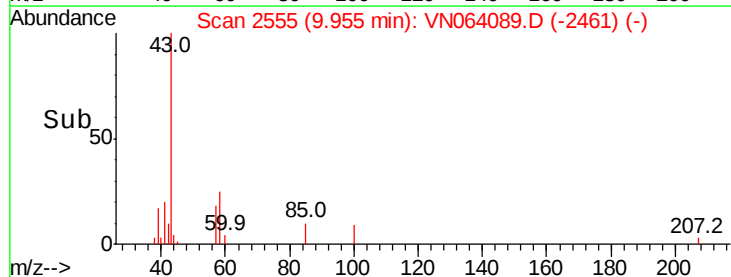
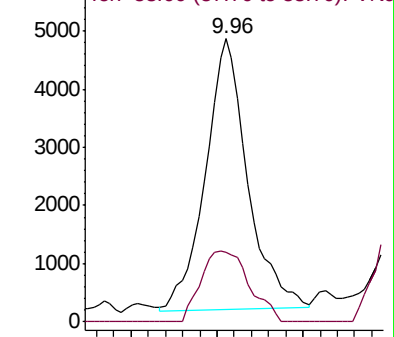
Ion Ratio Lower Upper

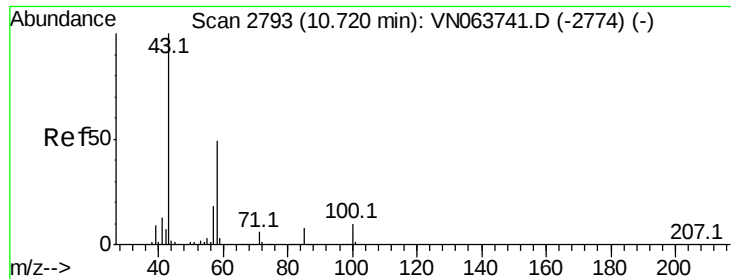
43 100

58 30.0 28.4 42.6



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





#59

2-Hexanone

Concen: 27.422 ug/l

RT: 10.69 min Scan# 2784

Delta R.T. -0.03 min

Lab File: VN064089.D

Acq: 12 Oct 2020 19:50

Instrument :

MSVOA_N

ClientSampled :

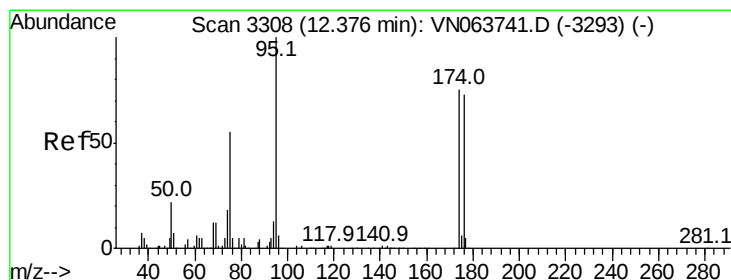
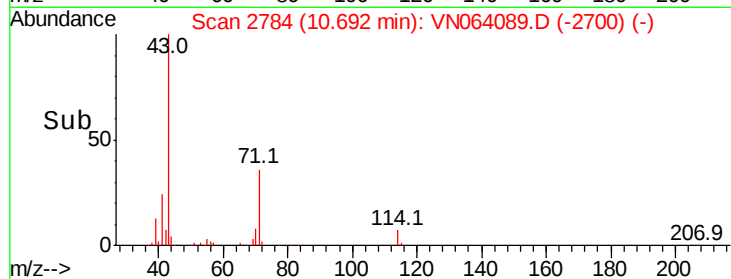
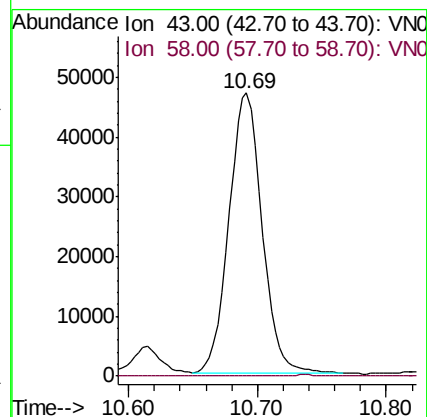
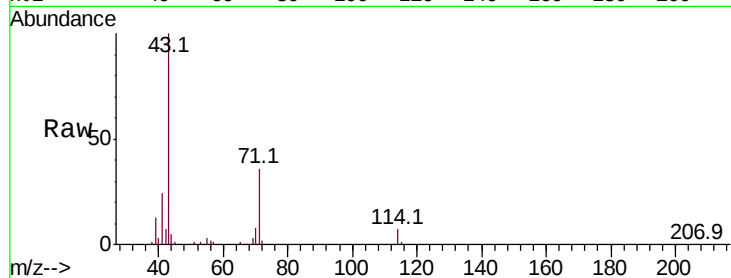
OH-WC-C-J4

Tot Ion: 43 Resp: 83341

Ion Ratio Lower Upper

43 100

58 0.0 24.6 73.8#



#62

4-Bromofluorobenzene

Concen: 50.106 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064089.D

Acq: 12 Oct 2020 19:50

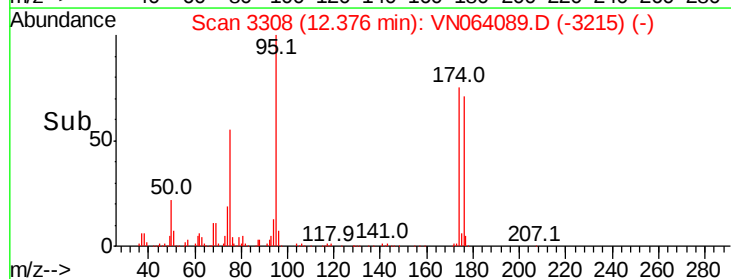
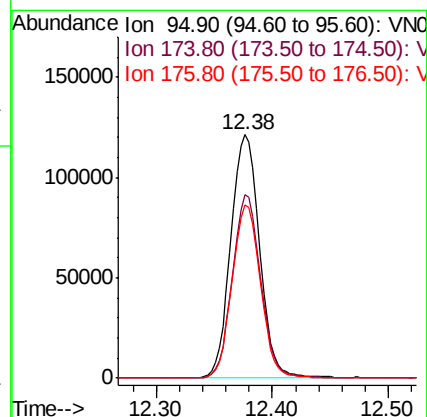
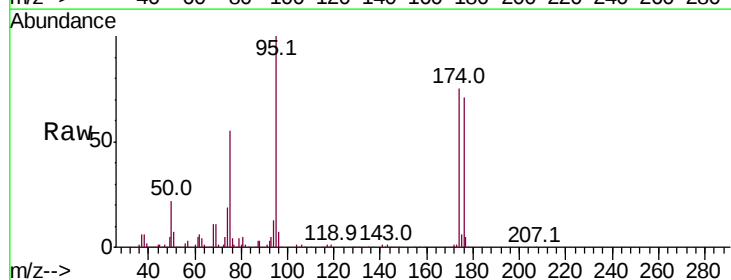
Tgt Ion: 95 Resp: 208044

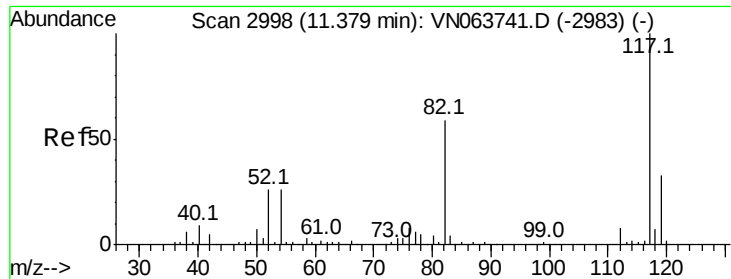
Ion Ratio Lower Upper

95 100

174 74.2 0.0 150.6

176 70.1 0.0 145.4

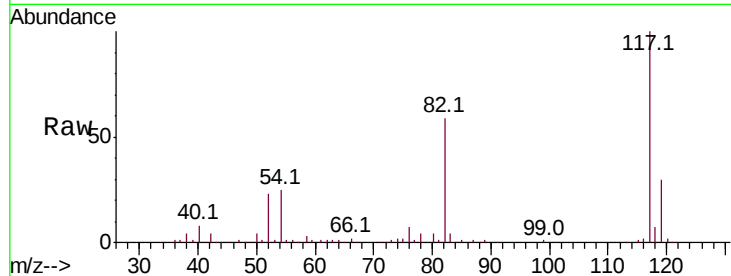




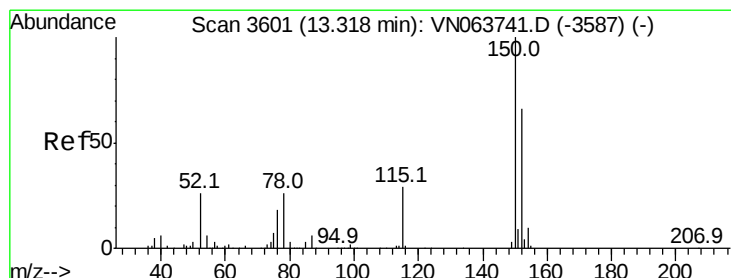
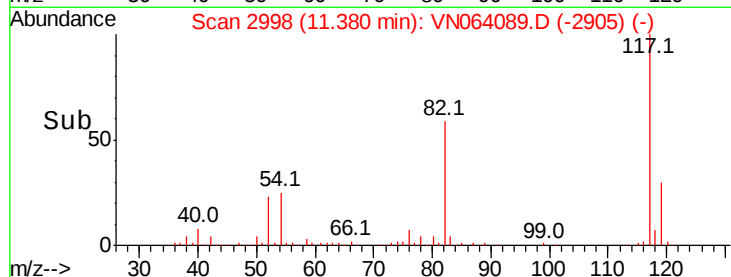
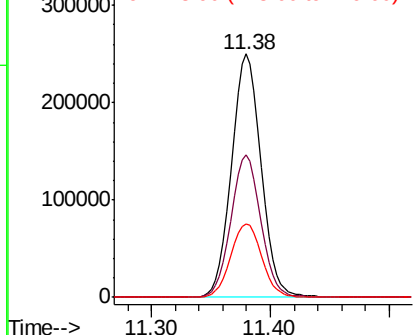
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064089.D
Acq: 12 Oct 2020 19:50

Instrument :
MSVOA_N
ClientSampleId :
OH-WC-C-J4

Tot Ion:117 Resp: 431747
Ion Ratio Lower Upper
117 100
82 58.6 47.4 71.2
119 30.3 26.4 39.6

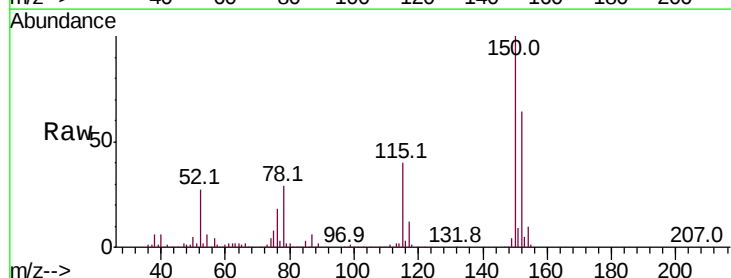


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

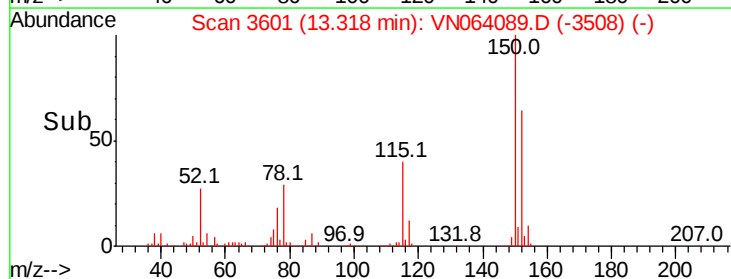
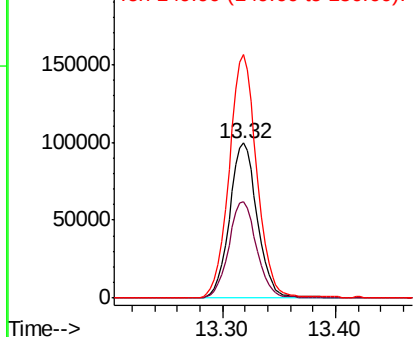


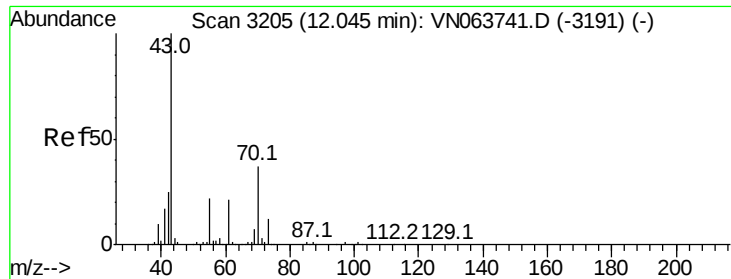
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN064089.D
Acq: 12 Oct 2020 19:50

Tgt Ion:152 Resp: 169305
Ion Ratio Lower Upper
152 100
115 62.7 31.3 93.8
150 157.2 0.0 341.8



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-amyl acetate

Concen: 2.513 ug/l

RT: 12.02 min Scan# 3196

Delta R.T. -0.03 min

Lab File: VN064089.D

Acq: 12 Oct 2020 19:50

Instrument :

MSVOA_N

ClientSampled :

OH-WC-C-J4

Tot Ion: 43 Resp: 1782

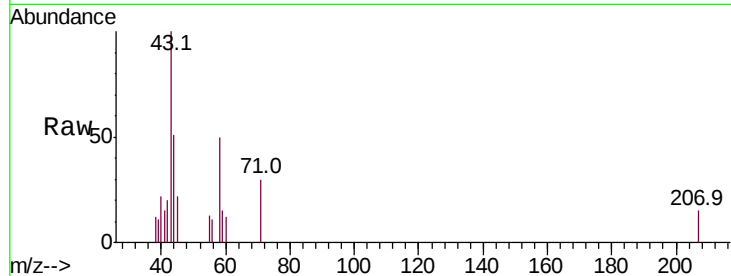
Ion Ratio Lower Upper

43 100

70 0.0 29.8 44.8#

55 9.1 17.9 26.9#

61 0.0 17.0 25.4#

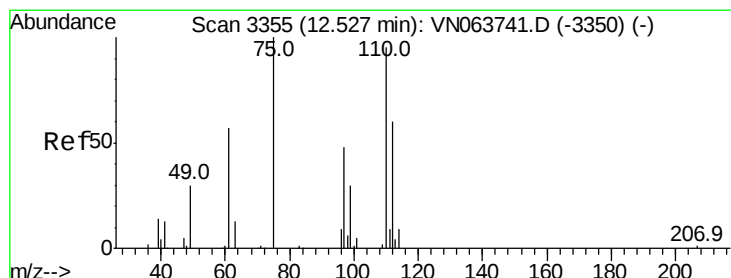
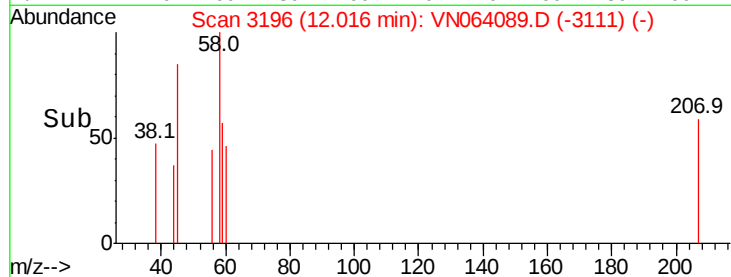
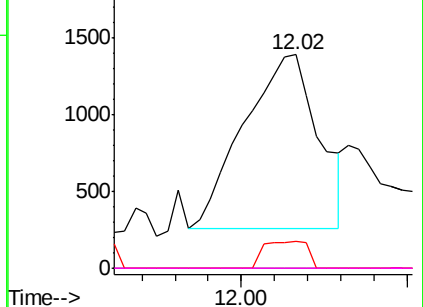


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO



#76

1,2,3-Trichloropropane

Concen: 29.942 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064089.D

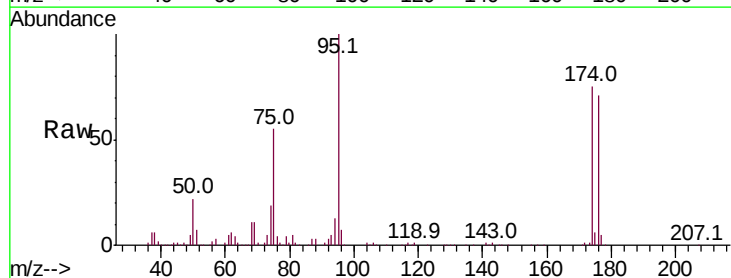
Acq: 12 Oct 2020 19:50

Tgt Ion: 75 Resp: 111747

Ion Ratio Lower Upper

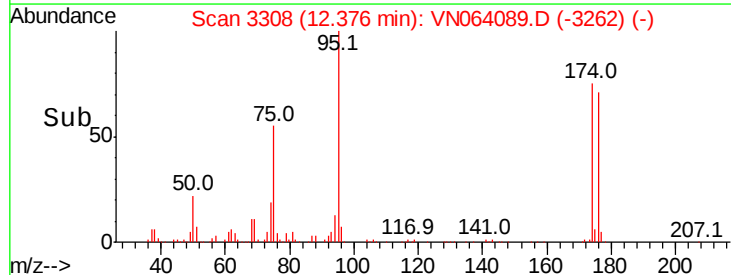
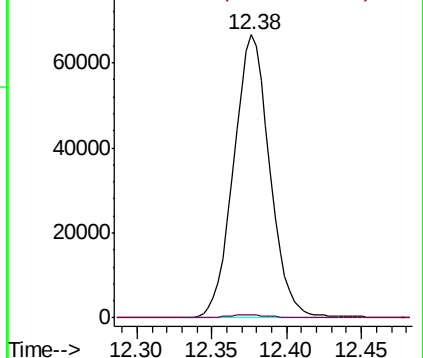
75 100

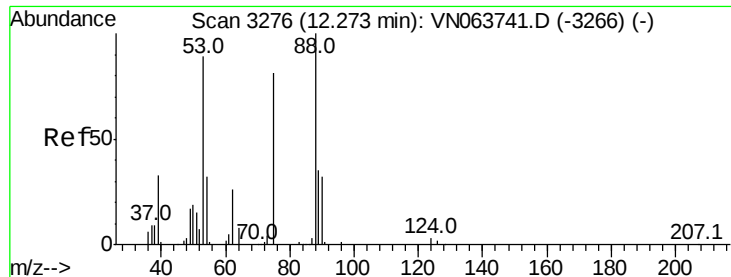
77 1.2 0.0 0.0#



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: 86.237 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064089.D

Acq: 12 Oct 2020 19:50

Instrument :

MSVOA_N

ClientSampled :

OH-WC-C-J4

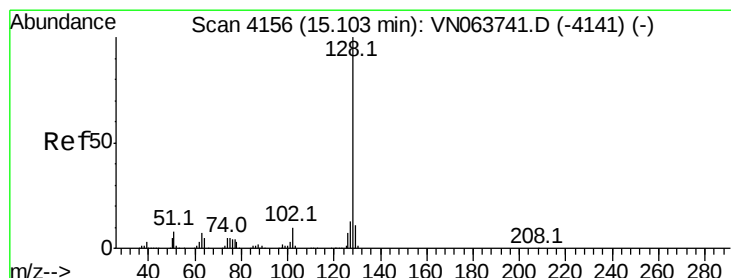
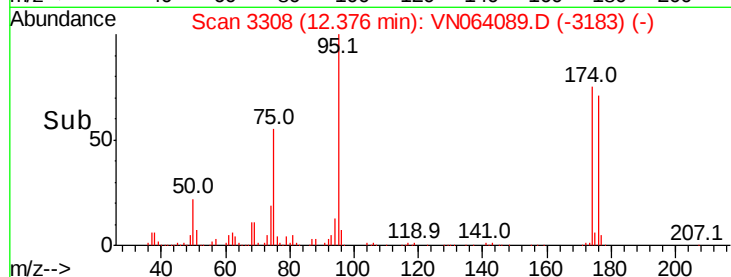
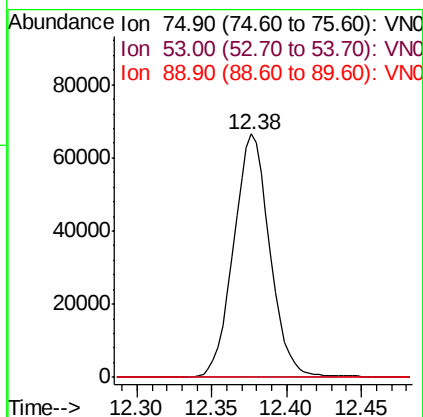
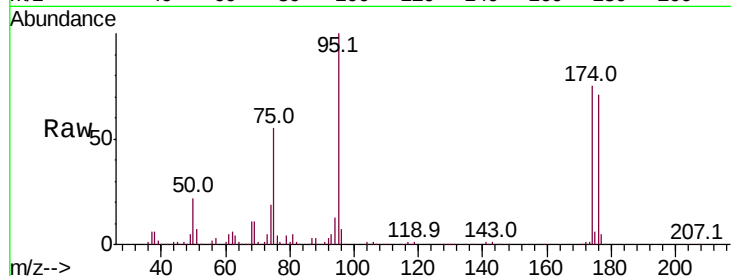
Tot Ion: 75 Resp: 111747

Ion Ratio Lower Upper

75 100

53 0.1 88.2 132.2#

89 0.0 36.0 54.0#



#95

Naphthalene

Concen: 1.971 ug/l

RT: 15.12 min Scan# 4160

Delta R.T. 0.01 min

Lab File: VN064089.D

Acq: 12 Oct 2020 19:50

Tgt Ion: 128 Resp: 442

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 0.0 8.7 13.1#

