

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101220\
 Data File : VN064092.D
 Acq On : 12 Oct 2020 21:02
 Operator : JC/MD
 Sample : L4333-15
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 OH-WC-C-D4

Quant Time: Oct 13 01:10:26 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	216560	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	401265	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	415956	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	159414	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	182714	51.07	ug/l	0.00
Spiked Amount			Recovery	=	102.14%	
35) Dibromofluoromethane	7.55	113	89651	32.20	ug/l	0.00
Spiked Amount			Recovery	=	64.40%	
50) Toluene-d8	10.06	98	508471	48.17	ug/l	0.00
Spiked Amount			Recovery	=	96.34%	
62) 4-Bromofluorobenzene	12.38	95	196441	49.51	ug/l	0.00
Spiked Amount			Recovery	=	99.02%	

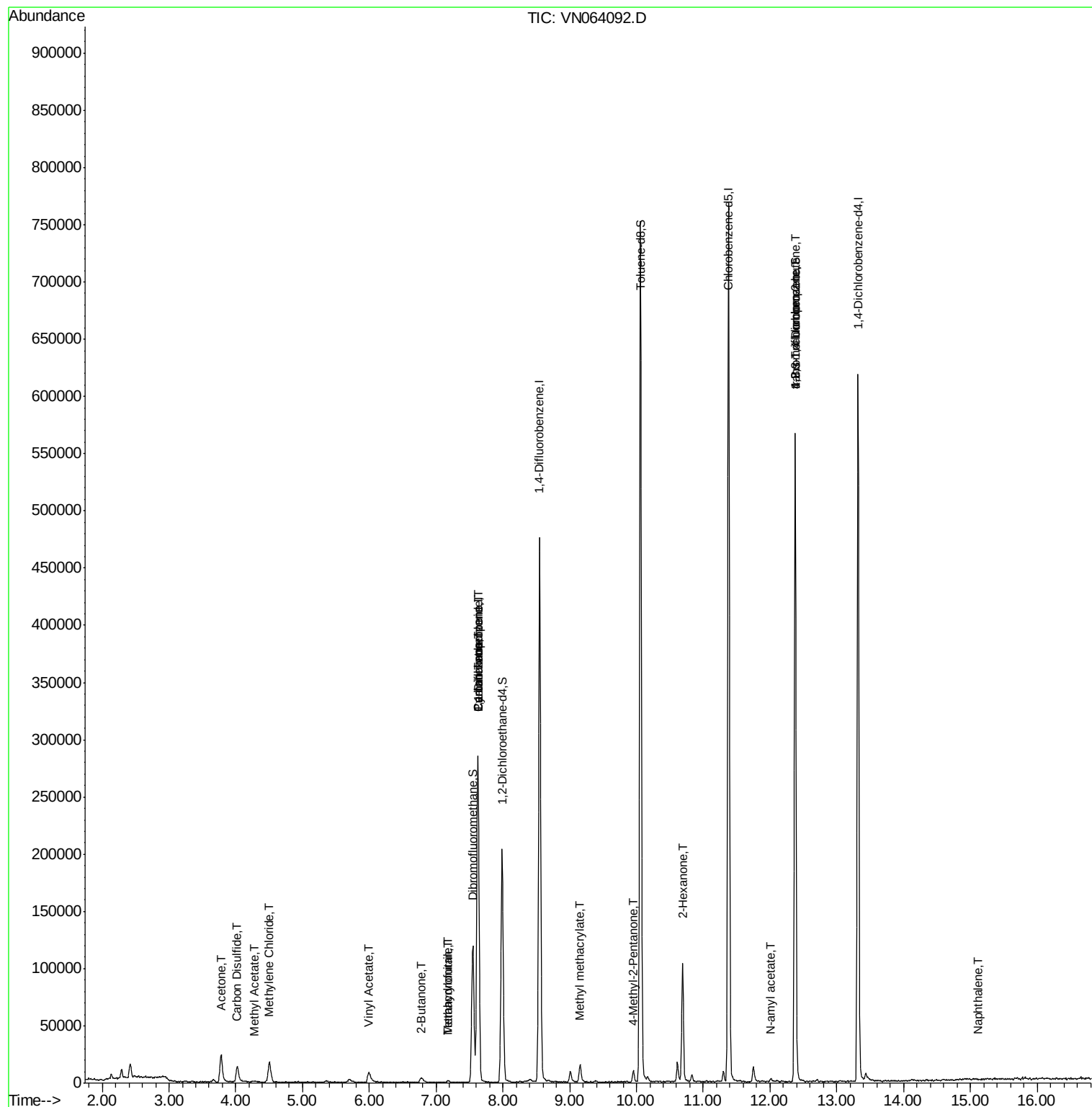
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	41428	37.616	ug/l	93
17) Carbon Disulfide	4.02	76	725	0.822	ug/l #	76
18) Methyl Acetate	4.28	43	1622	0.567	ug/l #	54
20) Methylene Chloride	4.50	84	11858	4.789	ug/l	91
23) Vinyl Acetate	5.99	43	2209	0.320	ug/l #	75
25) 2-Butanone	6.78	43	652	0.418	ug/l #	51
29) Tetrahydrofuran	7.17	42	834	0.796	ug/l #	80
31) Cyclohexane	7.62	56	5882	1.416	ug/l #	28
36) 1,1-Dichloropropene	7.62	75	19731	4.854	ug/l #	50
38) Carbon Tetrachloride	7.62	117	23713	5.202	ug/l #	15
41) Methacrylonitrile	7.17	41	505	0.281	ug/l #	32
48) Methyl methacrylate	9.14	41	5320	1.616	ug/l #	31
51) 4-Methyl-2-Pentanone	9.95	43	9066	2.319	ug/l	89
59) 2-Hexanone	10.69	43	85552	29.458	ug/l #	28
74) N-amyl acetate	12.01	43	2379	2.637	ug/l #	50
76) 1,2,3-Trichloropropane	12.38	75	107036	30.459	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	107036	87.726	ug/l #	6
95) Naphthalene	15.12	128	68	1.932	ug/l #	69

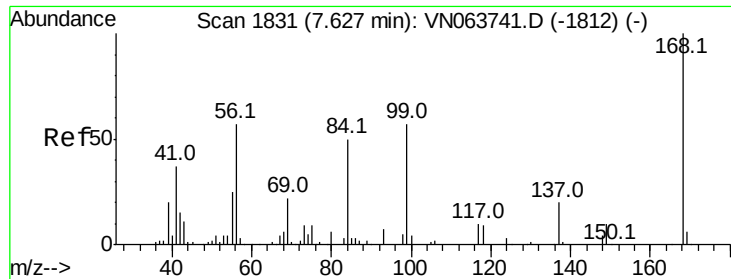
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Oct 01 01:46:38 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: VN064092.D

Acq: 12 Oct 2020 21:02

Instrument :

MSVOA_N

ClientSampleId :

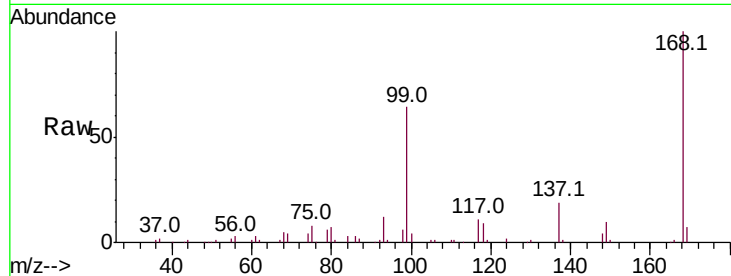
OH-WC-C-D4

Tot Ion:168 Resp: 216560

Ion Ratio Lower Upper

168 100

99 64.0 51.8 77.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.63

100000

80000

60000

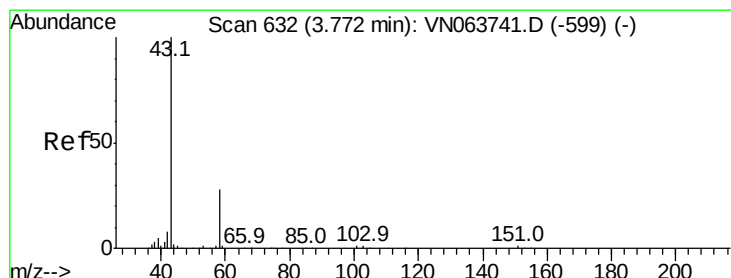
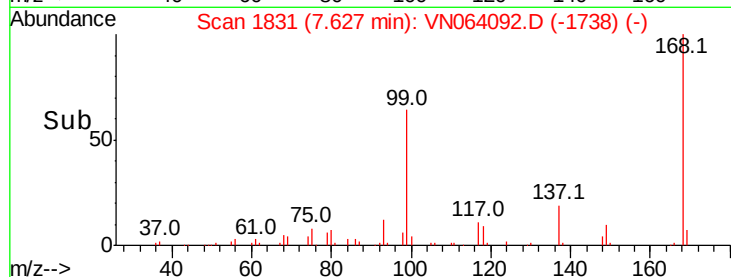
40000

20000

0

7.55 7.60 7.65 7.70

Time-->



#16

Acetone

Concen: 37.616 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN064092.D

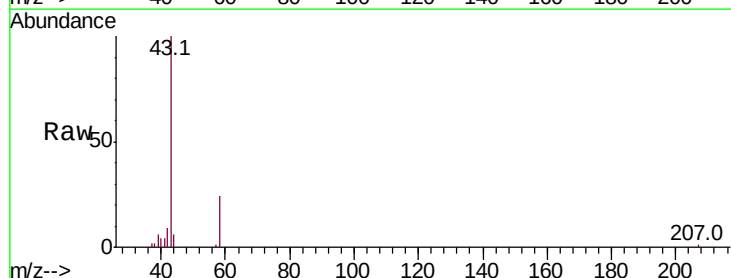
Acq: 12 Oct 2020 21:02

Tgt Ion: 43 Resp: 41428

Ion Ratio Lower Upper

43 100

58 24.1 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.78

15000

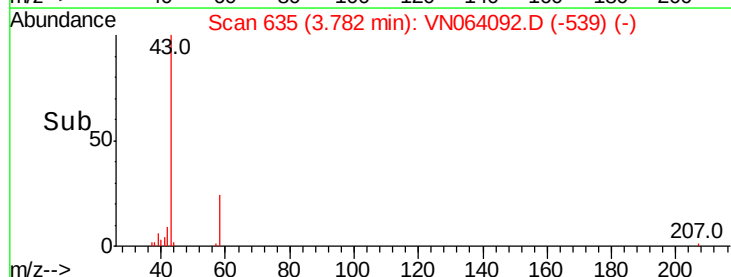
10000

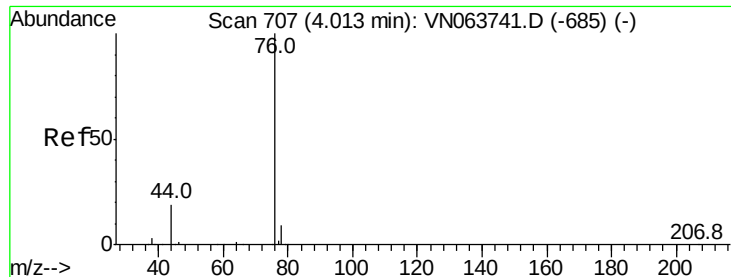
5000

0

3.70 3.80 3.90

Time-->





#17

Carbon Disulfide

Concen: 0.822 ug/l

RT: 4.02 min Scan# 709

Delta R.T. 0.01 min

Lab File: VN064092.D

Acq: 12 Oct 2020 21:02

Instrument :

MSVOA_N

ClientSampleId :

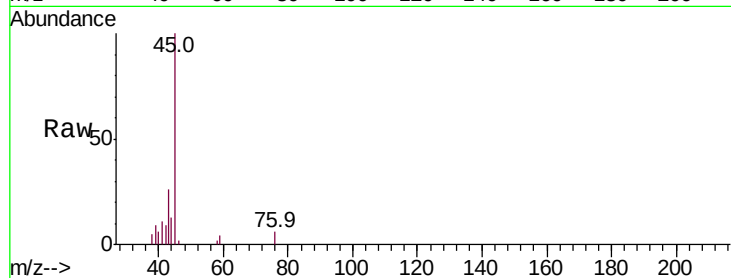
OH-WC-C-D4

Tot Ion: 76 Resp: 725

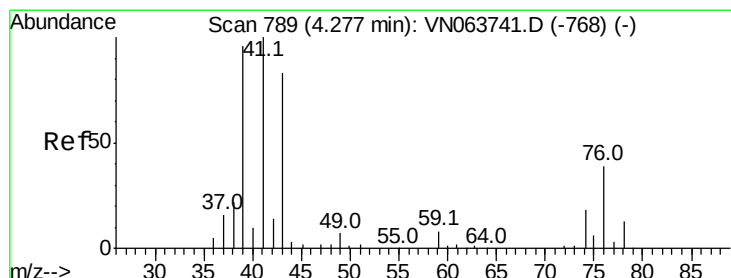
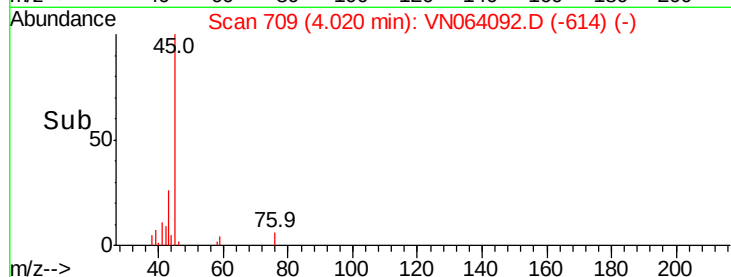
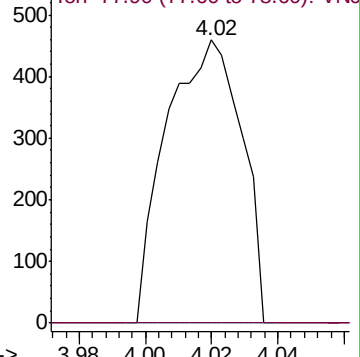
Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.4#



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



#18

Methyl Acetate

Concen: 0.567 ug/l

RT: 4.28 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN064092.D

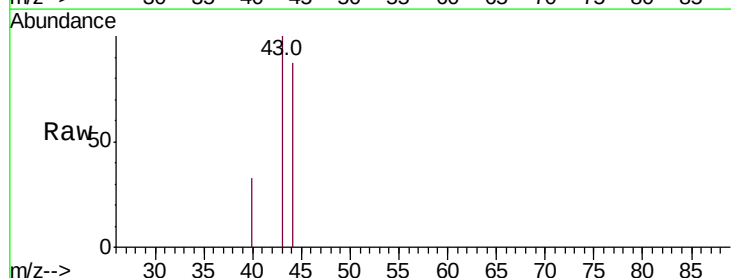
Acq: 12 Oct 2020 21:02

Tgt Ion: 43 Resp: 1622

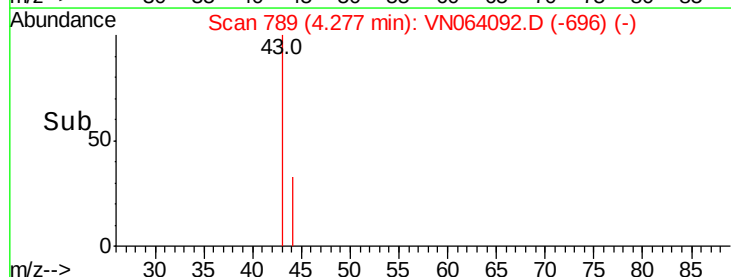
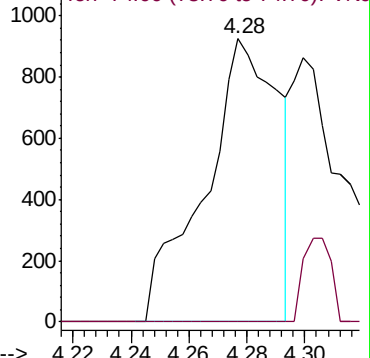
Ion Ratio Lower Upper

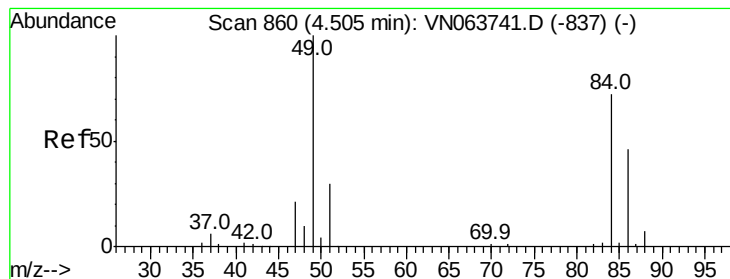
43 100

74 0.0 17.4 26.2#



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





#20

Methvlene Chloride

Concen: 4.789 ug/l

RT: 4.50 min Scan# 858

Delta R.T. -0.01 min

Lab File: VN064092.D

Acq: 12 Oct 2020 21:02

Instrument :

MSVOA_N

ClientSampleId :

OH-WC-C-D4

Tot Ion: 84 Resp: 11858

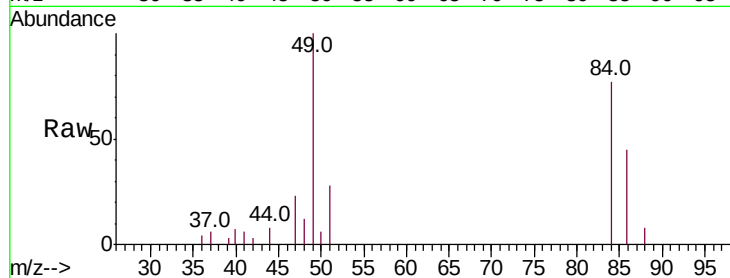
Ion Ratio Lower Upper

84 100

49 126.4 110.4 165.6

51 36.8 33.3 49.9

86 58.0 50.7 76.1

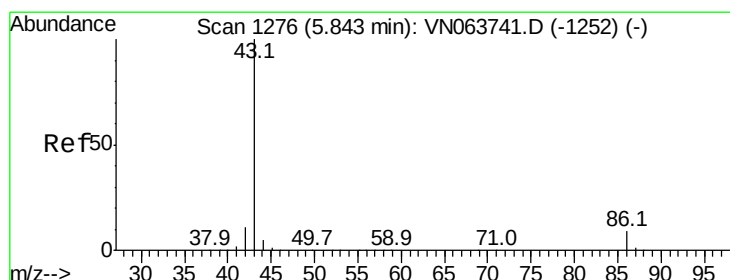
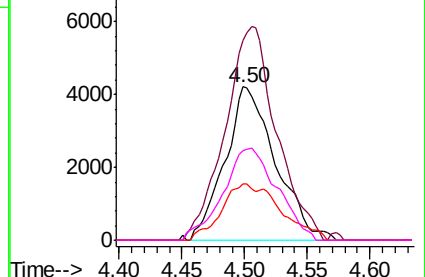
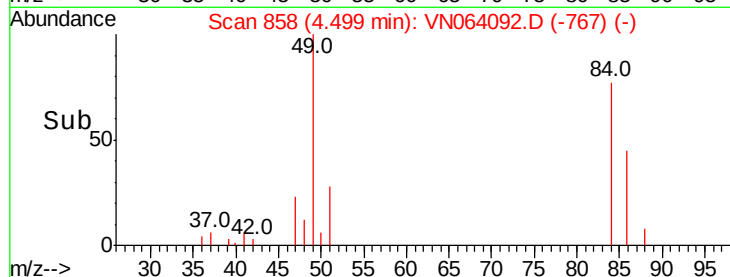


Abundance Ion 83.90 (83.60 to 84.60): VN0

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



#23

Vinyl Acetate

Concen: 0.320 ug/l

RT: 5.99 min Scan# 1322

Delta R.T. 0.15 min

Lab File: VN064092.D

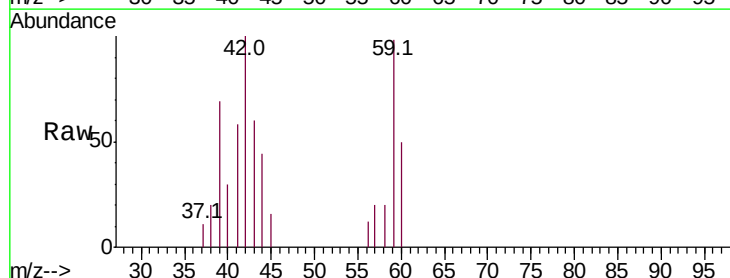
Acq: 12 Oct 2020 21:02

Tgt Ion: 43 Resp: 2209

Ion Ratio Lower Upper

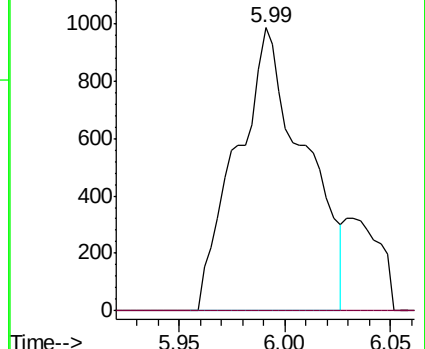
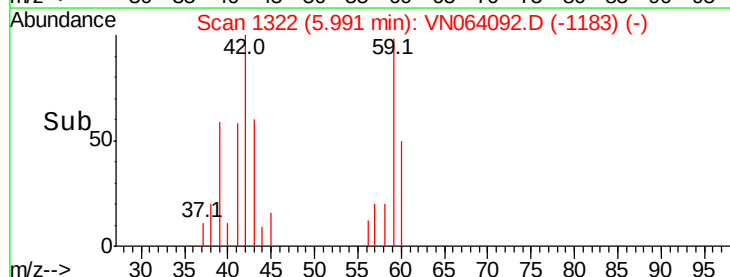
43 100

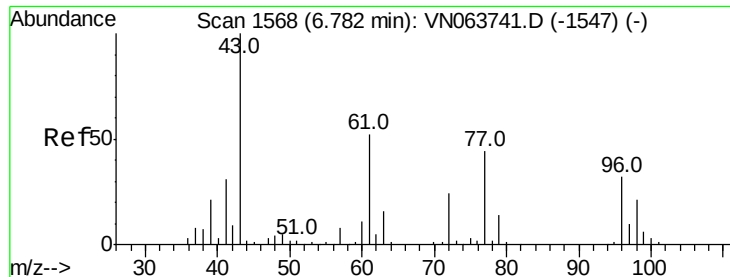
86 0.0 7.3 10.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0





#25

2-Butanone

Concen: 0.418 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN064092.D

Acq: 12 Oct 2020 21:02

Instrument :

MSVOA_N

ClientSampled :

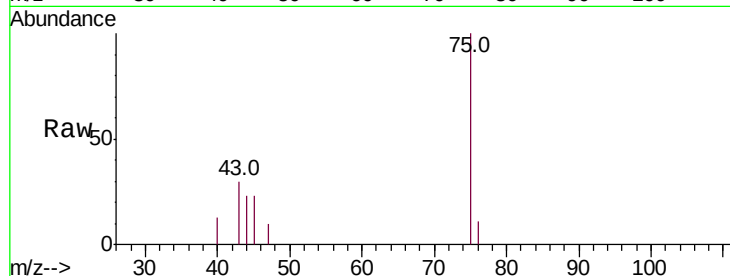
OH-WC-C-D4

Tot Ion: 43 Resp: 652

Ion Ratio Lower Upper

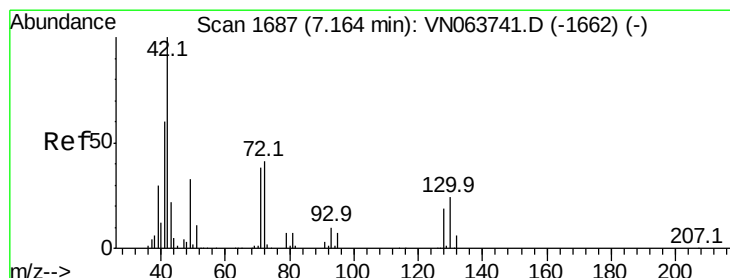
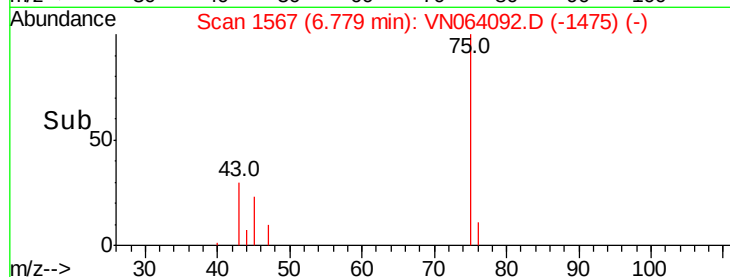
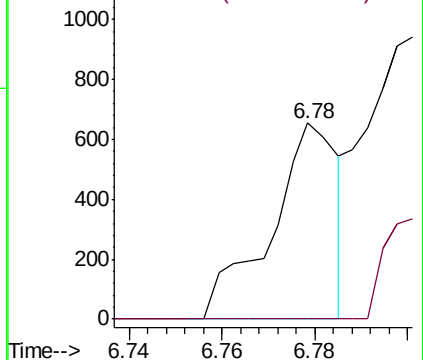
43 100

72 0.0 19.3 28.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#29

Tetrahydrofuran

Concen: 0.796 ug/l

RT: 7.17 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VN064092.D

Acq: 12 Oct 2020 21:02

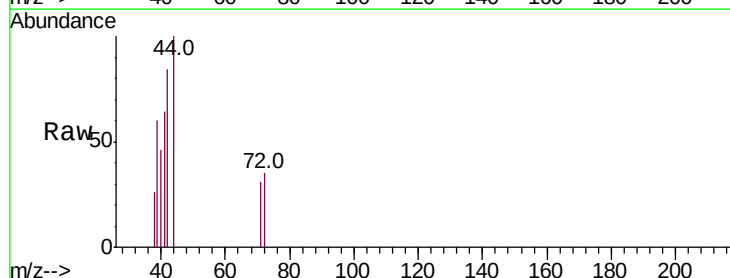
Tgt Ion: 42 Resp: 834

Ion Ratio Lower Upper

42 100

72 22.1 32.8 49.2#

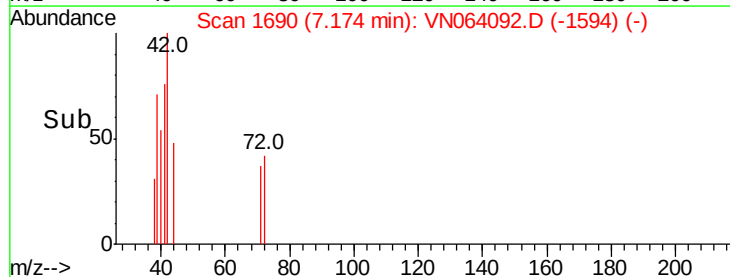
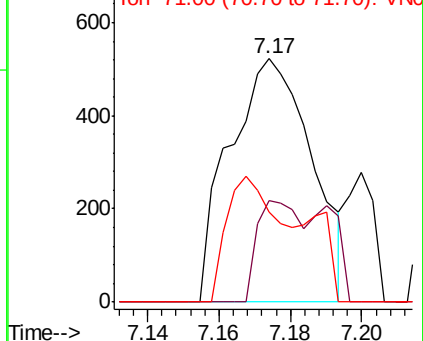
71 33.0 30.6 45.8

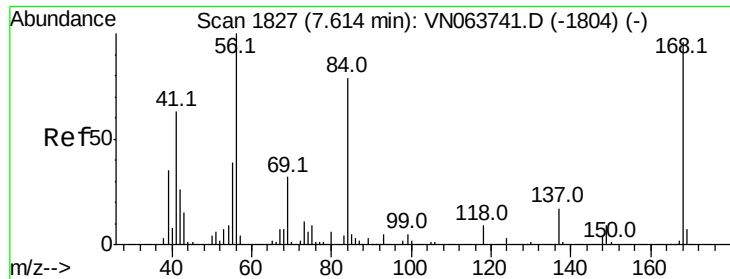


Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0

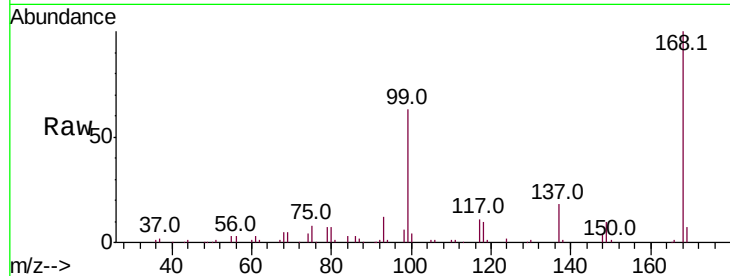




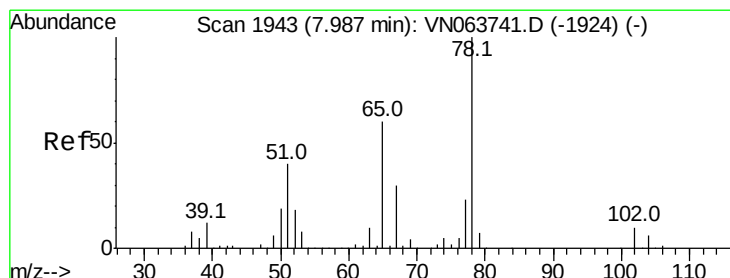
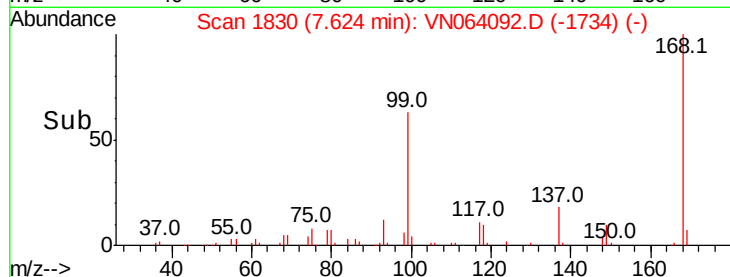
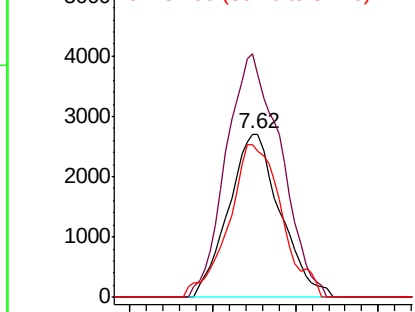
#31
Cyclohexane
Concen: 1.416 ug/l
RT: 7.62 min Scan# 1830
Delta R.T. 0.01 min
Lab File: VN064092.D
Acq: 12 Oct 2020 21:02

Instrument :
MSVOA_N
ClientSampled :
OH-WC-C-D4

Tot Ion: 56 Resp: 5882
Ion Ratio Lower Upper
56 100
69 149.3 25.4 38.2#
84 93.7 63.3 94.9

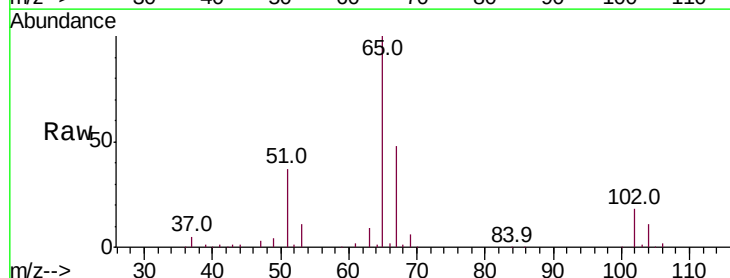


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

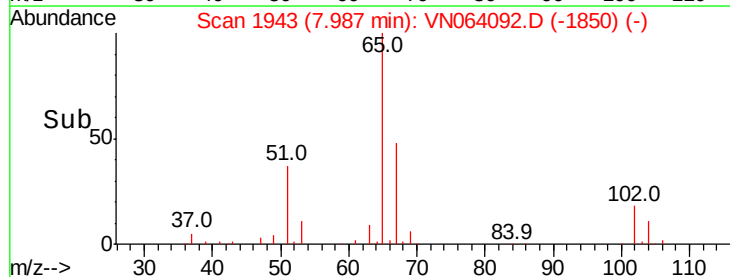
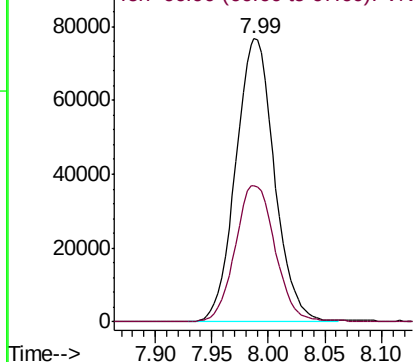


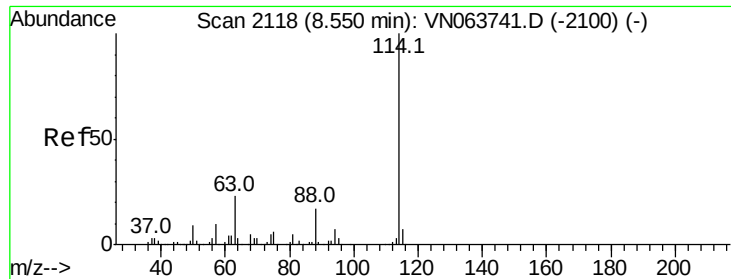
#33
1,2-Dichloroethane-d4
Concen: 51.070 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN064092.D
Acq: 12 Oct 2020 21:02

Tgt Ion: 65 Resp: 182714
Ion Ratio Lower Upper
65 100
67 49.9 0.0 99.6



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

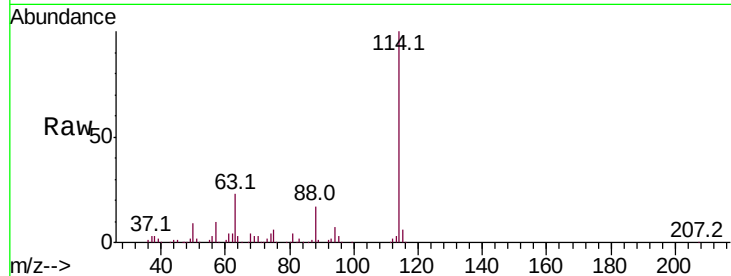




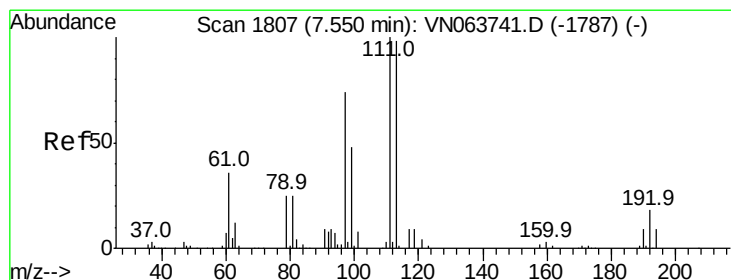
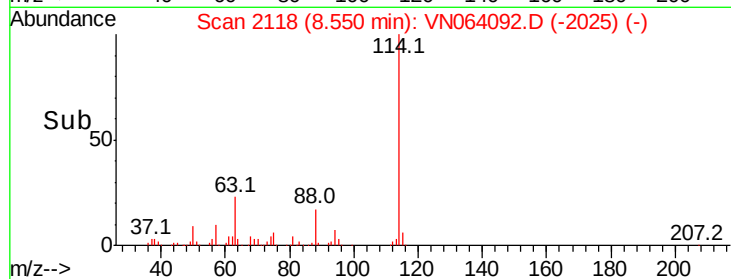
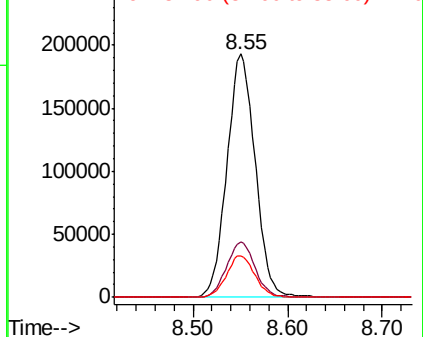
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064092.D
 Acq: 12 Oct 2020 21:02

Instrument :
 MSVOA_N
 ClientSampleId :
 OH-WC-C-D4

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.7	0.0	45.0
88	17.0	0.0	34.0

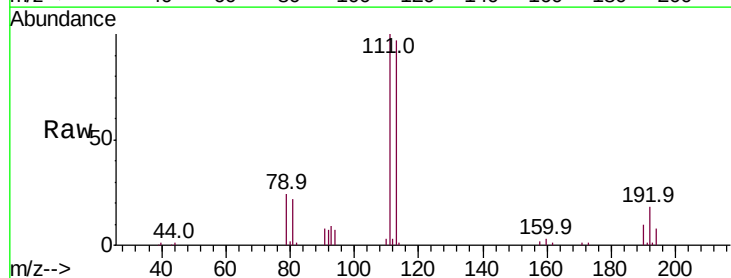


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

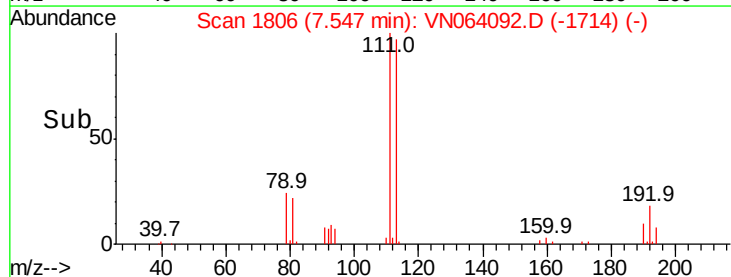
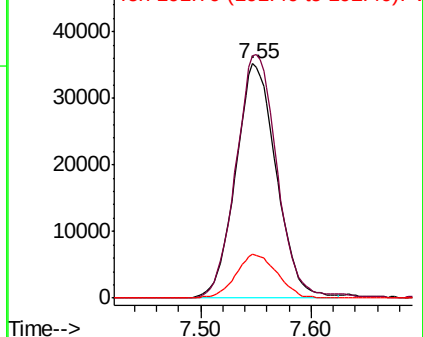


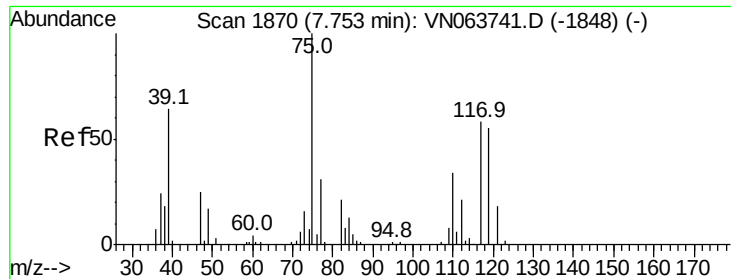
#35
 Dibromofluoromethane
 Concen: 32.199 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN064092.D
 Acq: 12 Oct 2020 21:02

Tgt Ion	Ratio	Lower	Upper
113	100		
111	105.3	81.8	122.8
192	18.9	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

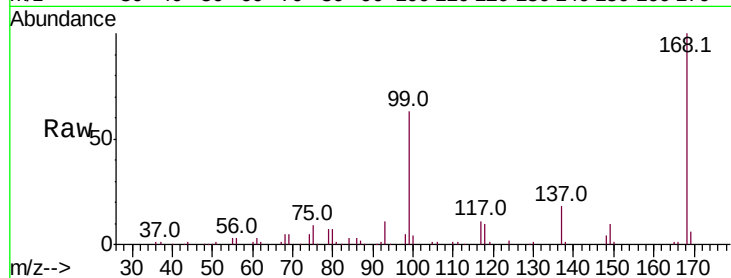




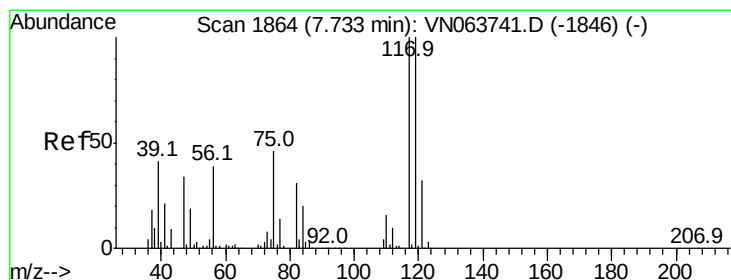
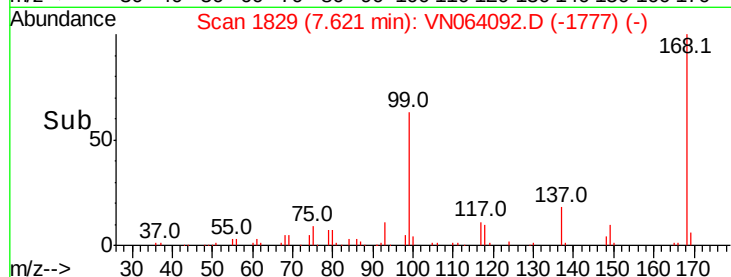
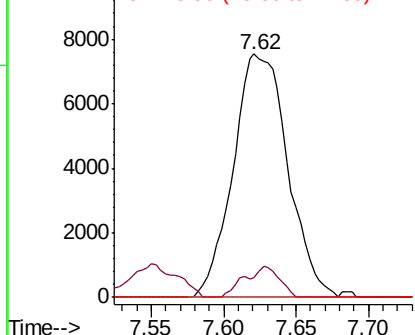
#36
 1,1-Dichloropropene
 Concen: 4.854 ug/l
 RT: 7.62 min Scan# 1829
 Delta R.T. -0.13 min
 Lab File: VN064092.D
 Acq: 12 Oct 2020 21:02

Instrument :
 MSVOA_N
 ClientSampleId :
 OH-WC-C-D4

Tot Ion	Ratio	Lower	Upper
75	100		
110	8.2	16.9	50.6#
77	0.0	24.5	36.7#

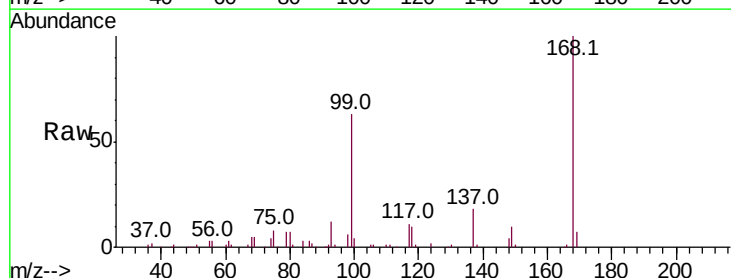


Abundance Ion 74.90 (74.60 to 75.60): VN063741.D (-1848) (-)

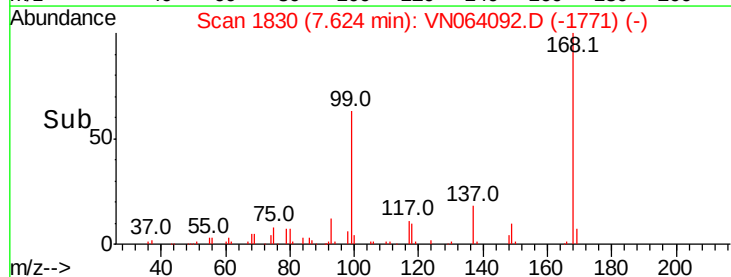
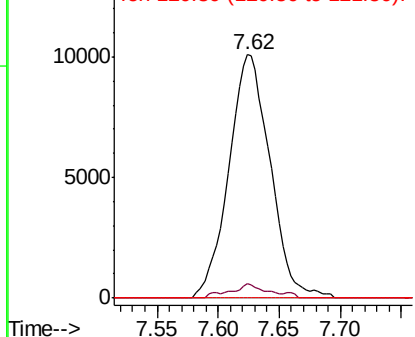


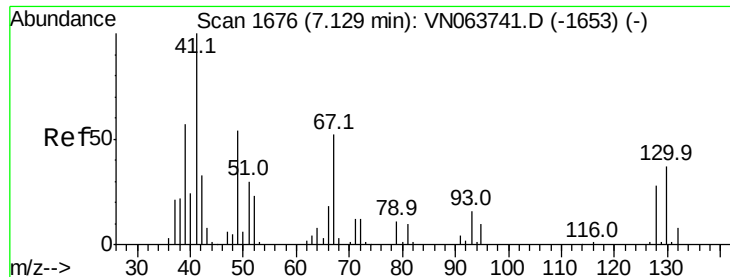
#38
 Carbon Tetrachloride
 Concen: 5.202 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.11 min
 Lab File: VN064092.D
 Acq: 12 Oct 2020 21:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.9	80.1	120.1#
121	0.0	25.7	38.5#



Abundance Ion 116.80 (116.50 to 117.50): VN063741.D (-1846) (-)





#41

Methacrylonitrile

Concen: 0.281 ug/l

RT: 7.17 min Scan# 1690

Delta R.T. 0.05 min

Lab File: VN064092.D

Acq: 12 Oct 2020 21:02

Instrument :

MSVOA_N

ClientSampled :

OH-WC-C-D4

Tot Ion: 41 Resp: 505

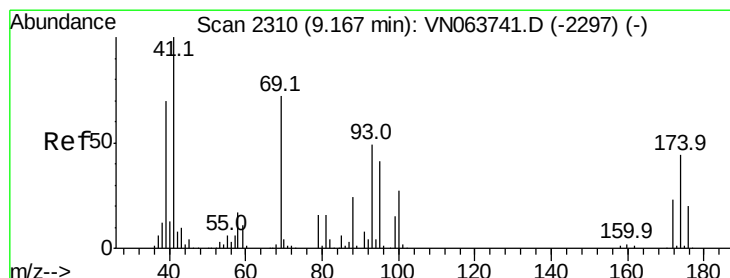
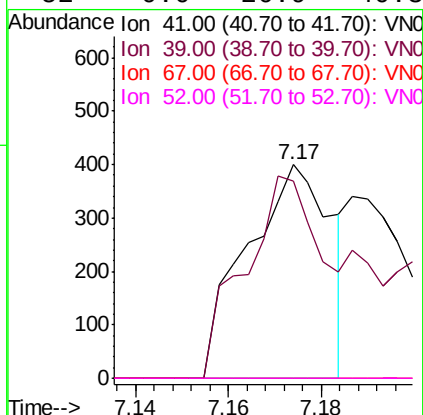
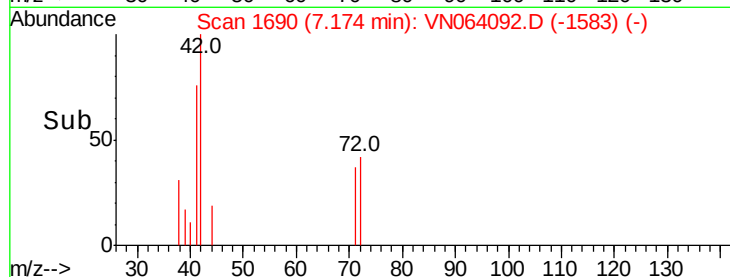
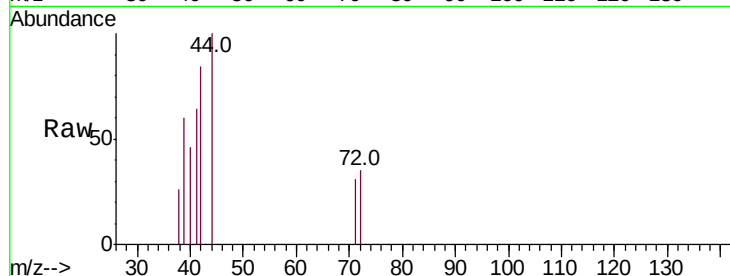
Ion Ratio Lower Upper

41 100

39 86.9 42.5 63.7#

67 0.0 57.4 86.2#

52 0.0 26.9 40.3#



#48

Methyl methacrylate

Concen: 1.616 ug/l

RT: 9.14 min Scan# 2303

Delta R.T. -0.02 min

Lab File: VN064092.D

Acq: 12 Oct 2020 21:02

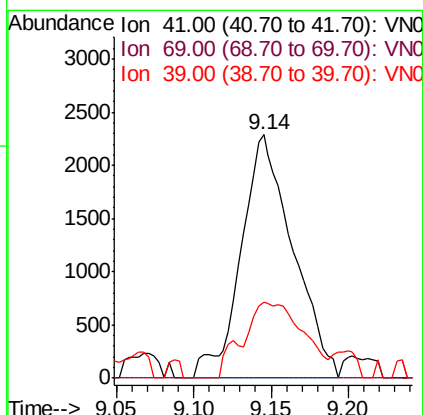
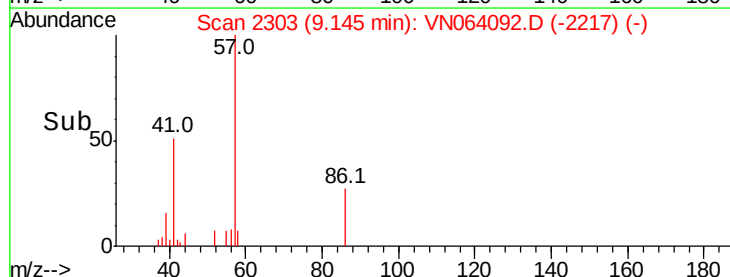
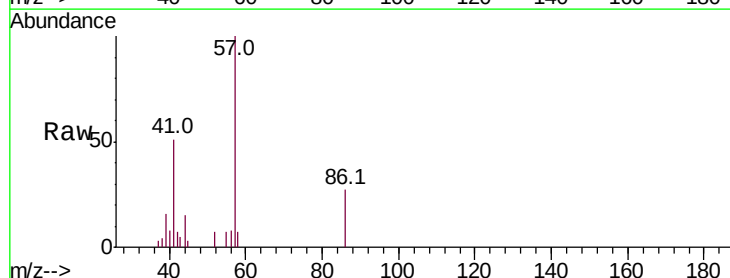
Tgt Ion: 41 Resp: 5320

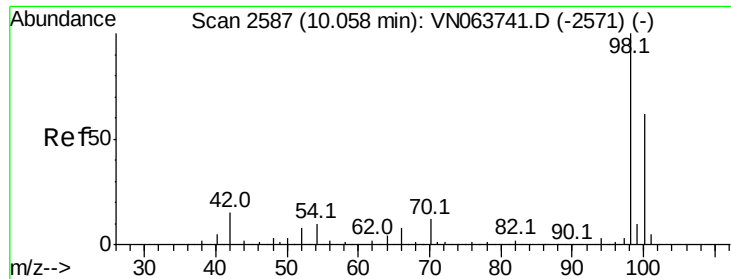
Ion Ratio Lower Upper

41 100

69 0.0 60.9 91.3#

39 31.1 57.5 86.3#





#50

Toluene-d8

Concen: 48.174 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN064092.D

Acq: 12 Oct 2020 21:02

Instrument :

MSVOA_N

ClientSampleId :

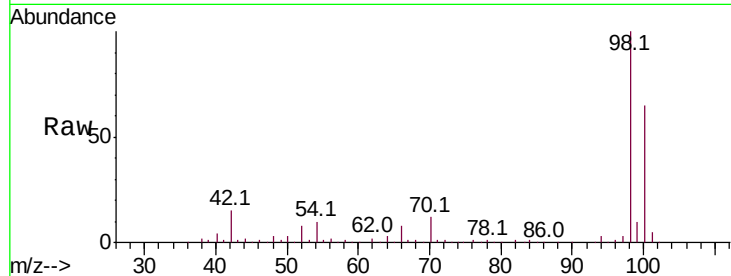
OH-WC-C-D4

Tot Ion: 98 Resp: 508471

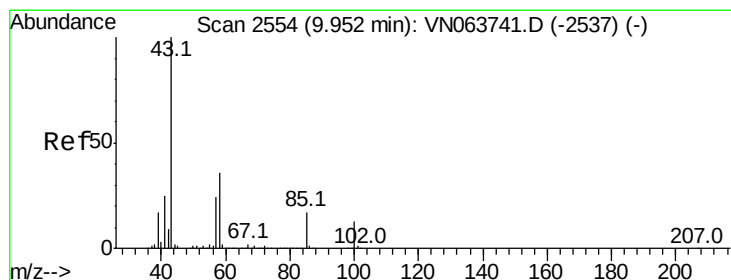
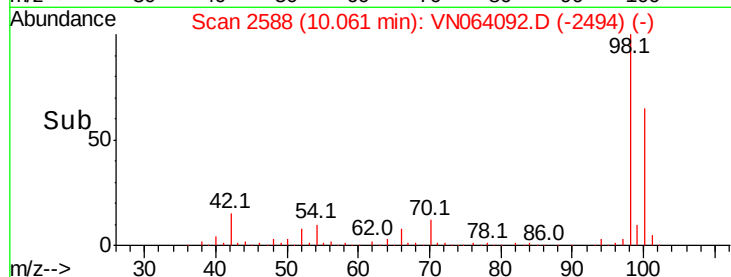
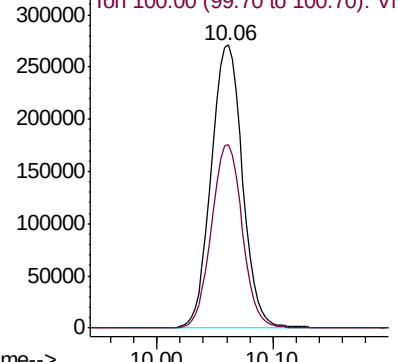
Ion Ratio Lower Upper

98 100

100 64.1 49.8 74.6



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



#51

4-Methyl-2-Pentanone

Concen: 2.319 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN064092.D

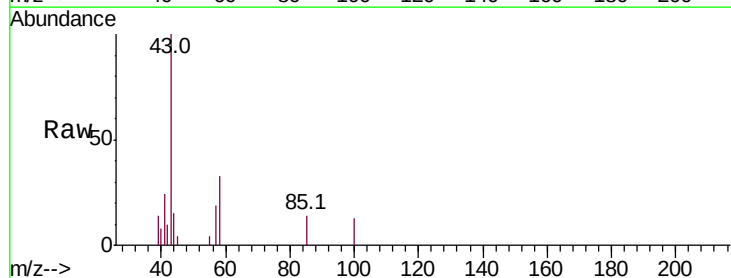
Acq: 12 Oct 2020 21:02

Tgt Ion: 43 Resp: 9066

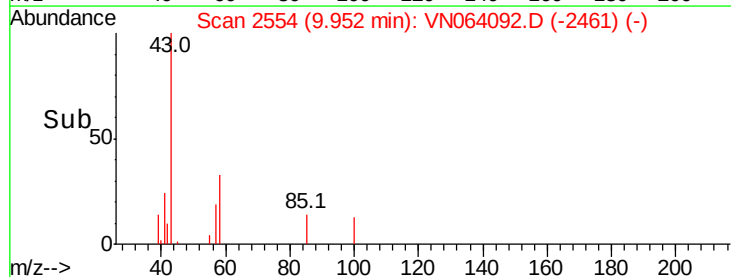
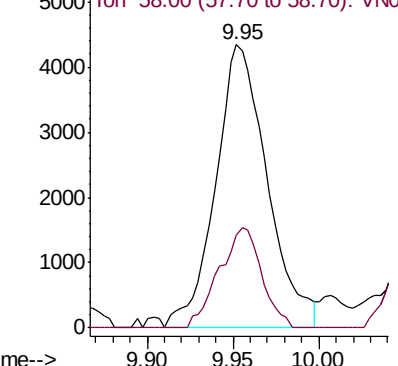
Ion Ratio Lower Upper

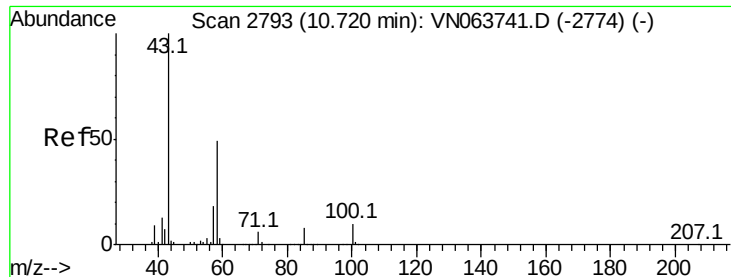
43 100

58 29.0 28.4 42.6



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

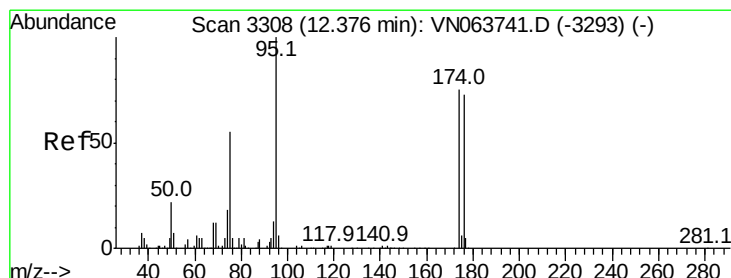
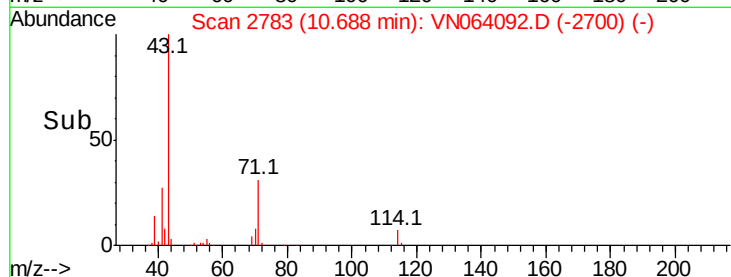
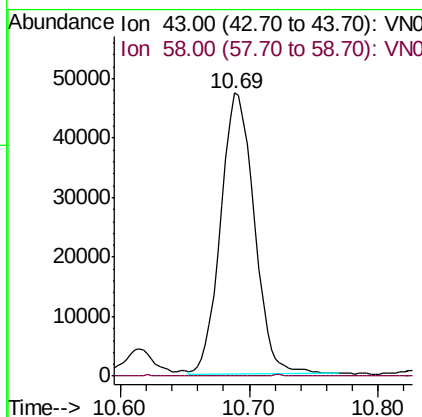
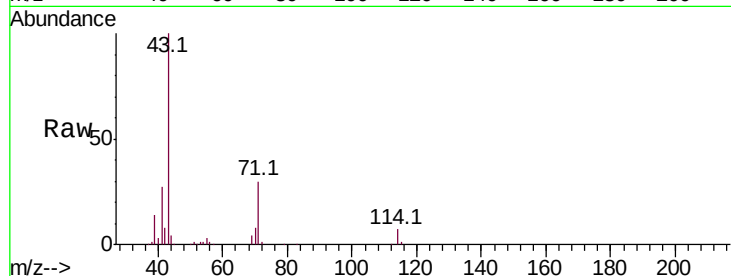




#59
2-Hexanone
Concen: 29.458 ug/l
RT: 10.69 min Scan# 2783
Delta R.T. -0.03 min
Lab File: VN064092.D
Acq: 12 Oct 2020 21:02

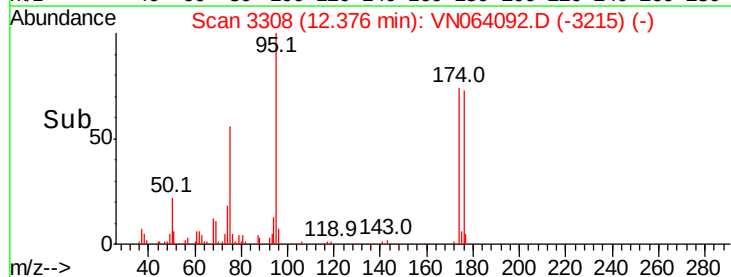
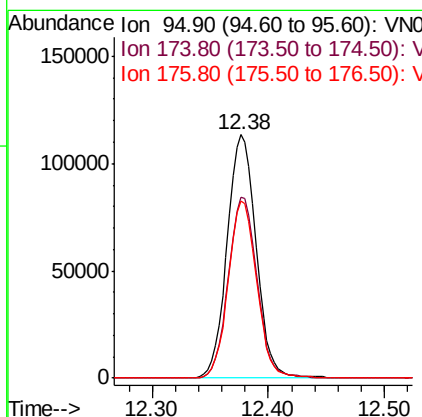
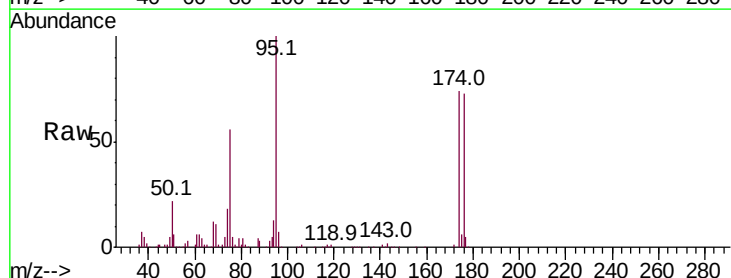
Instrument :
MSVOA_N
ClientSampled :
OH-WC-C-D4

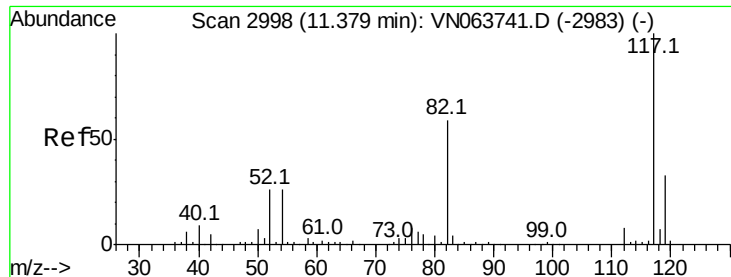
Tot Ion: 43 Resp: 85552
Ion Ratio Lower Upper
43 100
58 0.0 24.6 73.8#



#62
4-Bromofluorobenzene
Concen: 49.510 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064092.D
Acq: 12 Oct 2020 21:02

Tgt Ion: 95 Resp: 196441
Ion Ratio Lower Upper
95 100
174 73.8 0.0 150.6
176 71.5 0.0 145.4

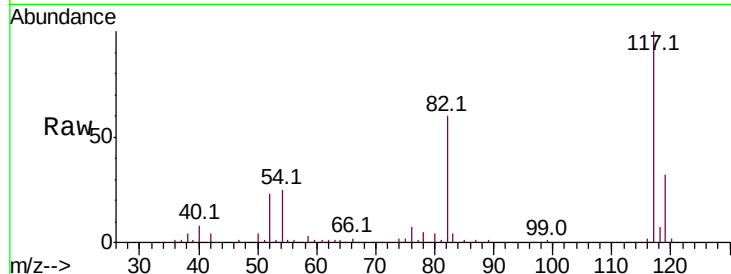




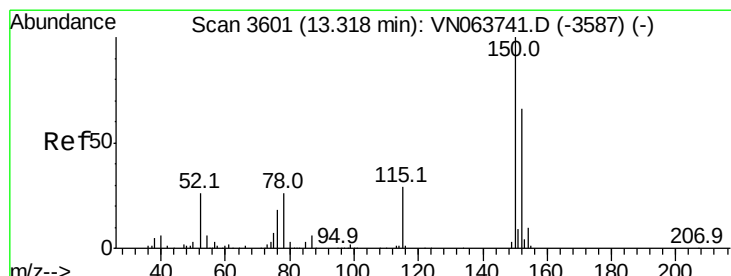
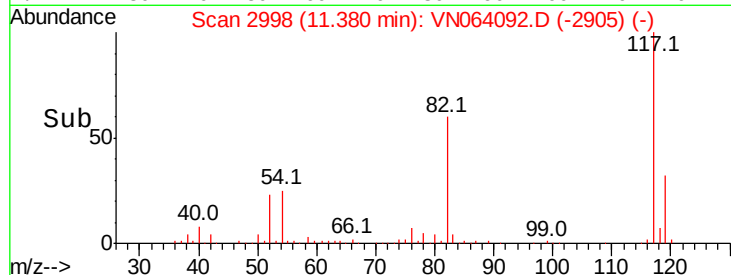
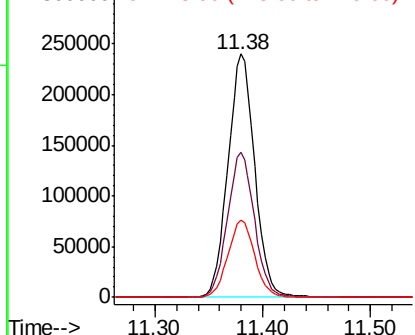
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064092.D
Acq: 12 Oct 2020 21:02

Instrument :
MSVOA_N
ClientSampleId :
OH-WC-C-D4

Tot Ion:117 Resp: 415956
Ion Ratio Lower Upper
117 100
82 59.6 47.4 71.2
119 31.7 26.4 39.6

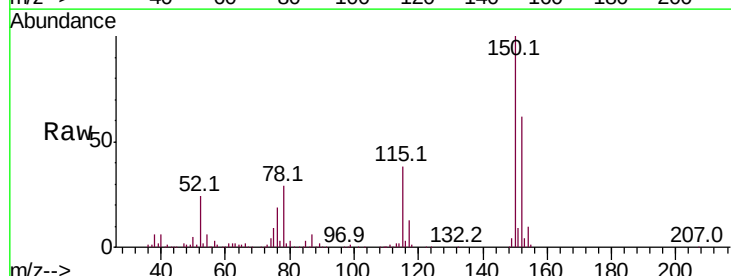


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

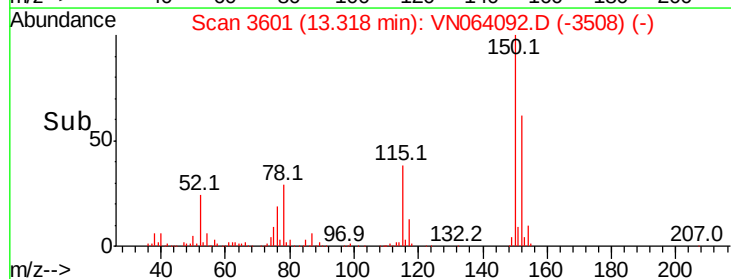
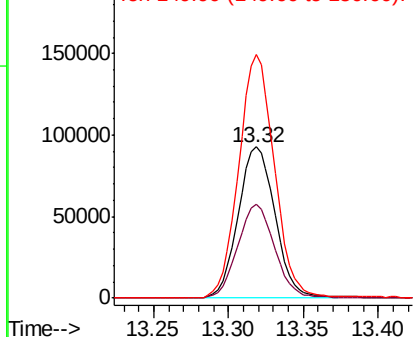


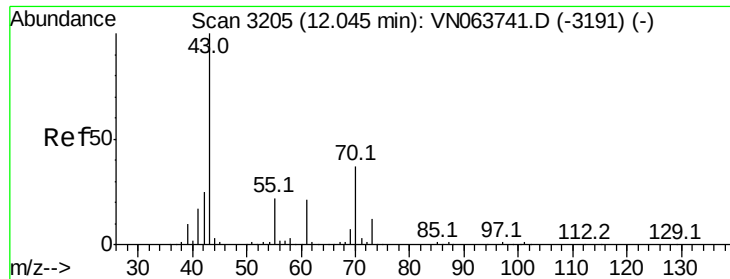
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN064092.D
Acq: 12 Oct 2020 21:02

Tgt Ion:152 Resp: 159414
Ion Ratio Lower Upper
152 100
115 62.2 31.3 93.8
150 155.3 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

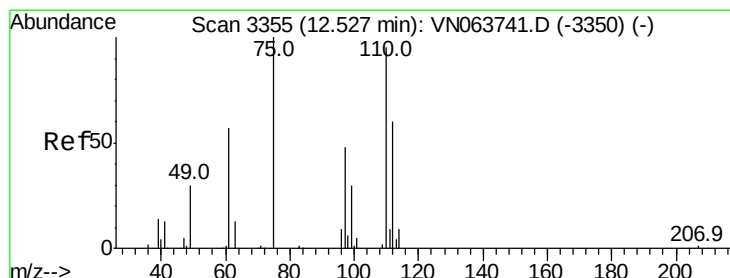
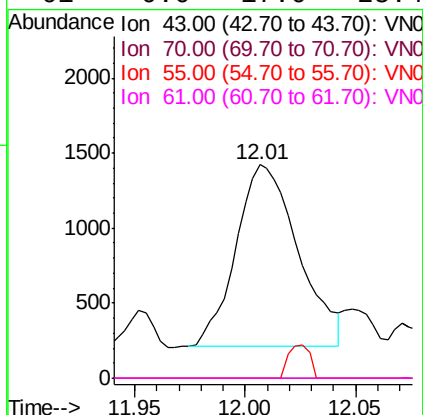
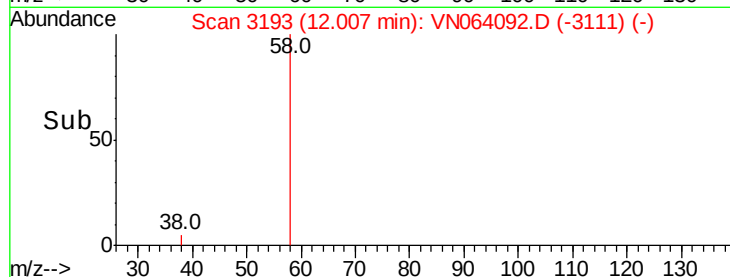
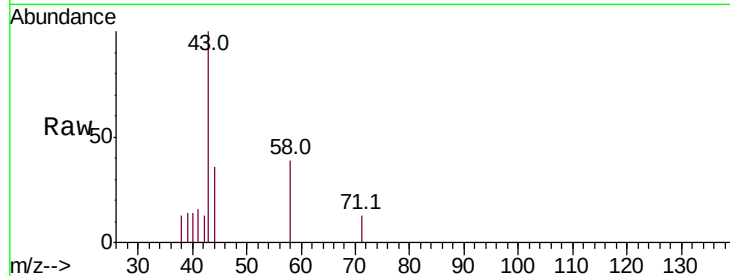




#74
N-amvl acetate
Concen: 2.637 ug/l
RT: 12.01 min Scan# 3193
Delta R.T. -0.04 min
Lab File: VN064092.D
Acq: 12 Oct 2020 21:02

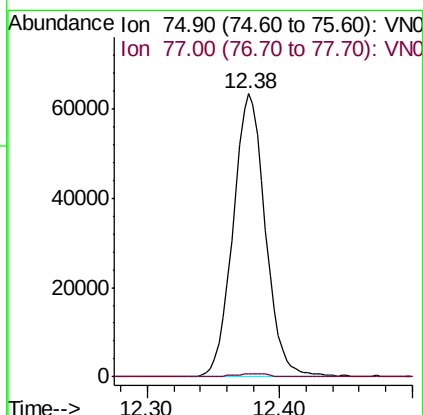
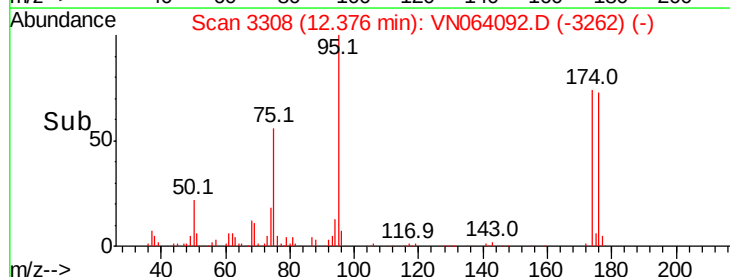
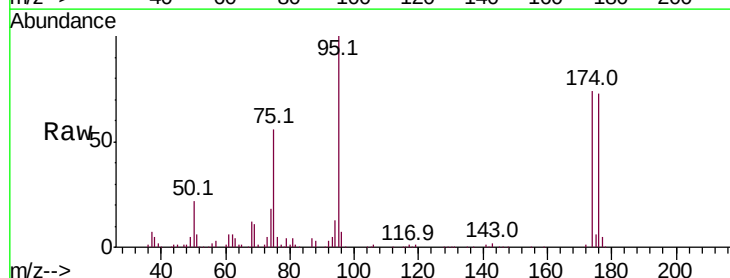
Instrument :
MSVOA_N
ClientSampled :
OH-WC-C-D4

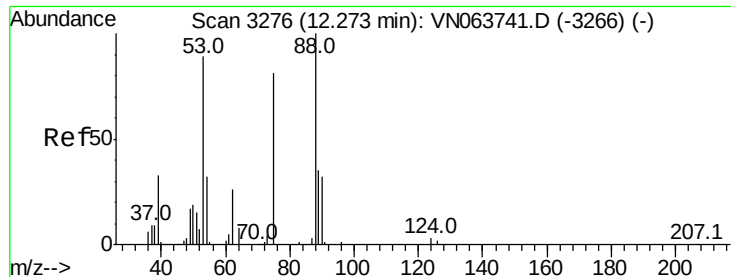
Tot Ion: 43 Resp: 2379
Ion Ratio Lower Upper
43 100
70 0.0 29.8 44.8#
55 6.2 17.9 26.9#
61 0.0 17.0 25.4#



#76
1,2,3-Trichloropropane
Concen: 30.459 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.15 min
Lab File: VN064092.D
Acq: 12 Oct 2020 21:02

Tgt Ion: 75 Resp: 107036
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 87.726 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064092.D

Acq: 12 Oct 2020 21:02

Instrument :

MSVOA_N

ClientSampleId :

OH-WC-C-D4

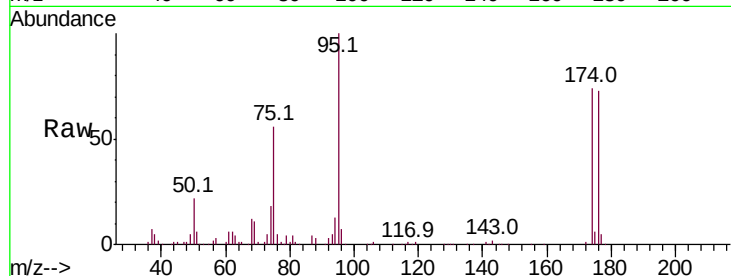
Tot Ion: 75 Resp: 107036

Ion Ratio Lower Upper

75 100

53 0.1 88.2 132.2#

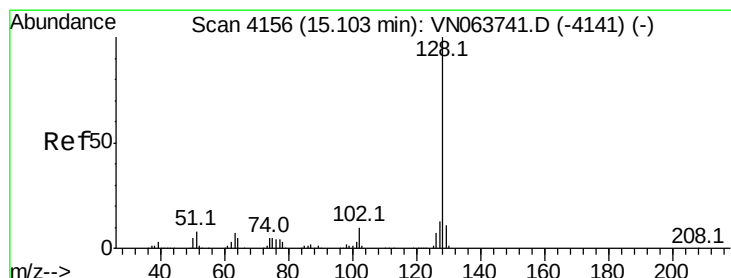
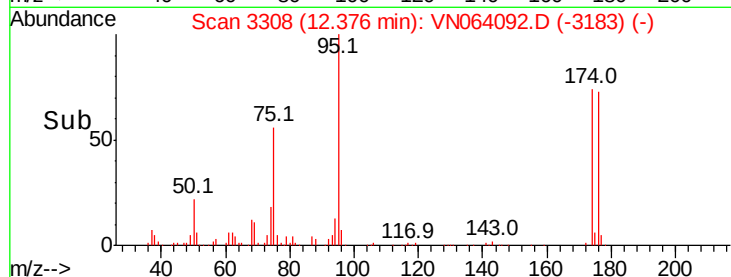
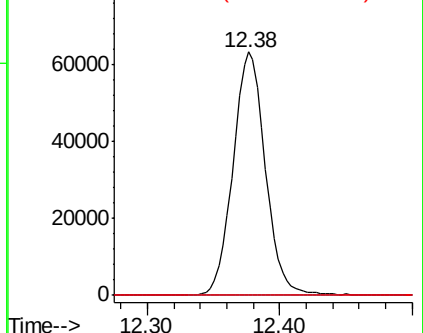
89 0.0 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VN064092.D (-3183) (-)

Ion 53.00 (52.70 to 53.70): VN064092.D (-3183) (-)

Ion 88.90 (88.60 to 89.60): VN064092.D (-3183) (-)



#95

Naphthalene

Concen: 1.932 ug/l

RT: 15.12 min Scan# 4161

Delta R.T. 0.02 min

Lab File: VN064092.D

Acq: 12 Oct 2020 21:02

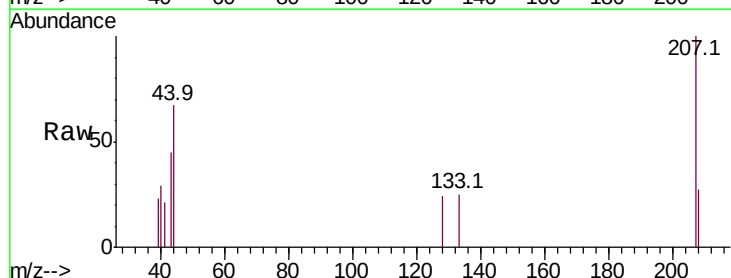
Tgt Ion: 128 Resp: 68

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): VN064092.D (-4062) (-)

Ion 127.00 (126.70 to 127.70): VN064092.D (-4062) (-)

Ion 129.00 (128.70 to 129.70): VN064092.D (-4062) (-)

