

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111320\
 Data File : VN064642.D
 Acq On : 13 Nov 2020 19:58
 Operator : JC/MD
 Sample : L4737-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 M-1-OW

Quant Time: Nov 17 01:59:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 12:09:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	214120	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	454225	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	483625	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	169956	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	225729	60.52	ug/l	0.00
Spiked Amount			Recovery	=	121.04%	
35) Dibromofluoromethane	7.55	113	166595	53.87	ug/l	0.00
Spiked Amount			Recovery	=	107.74%	
50) Toluene-d8	10.06	98	591545	49.49	ug/l	0.00
Spiked Amount			Recovery	=	98.98%	
62) 4-Bromofluorobenzene	12.38	95	215979	47.78	ug/l	0.00
Spiked Amount			Recovery	=	95.56%	

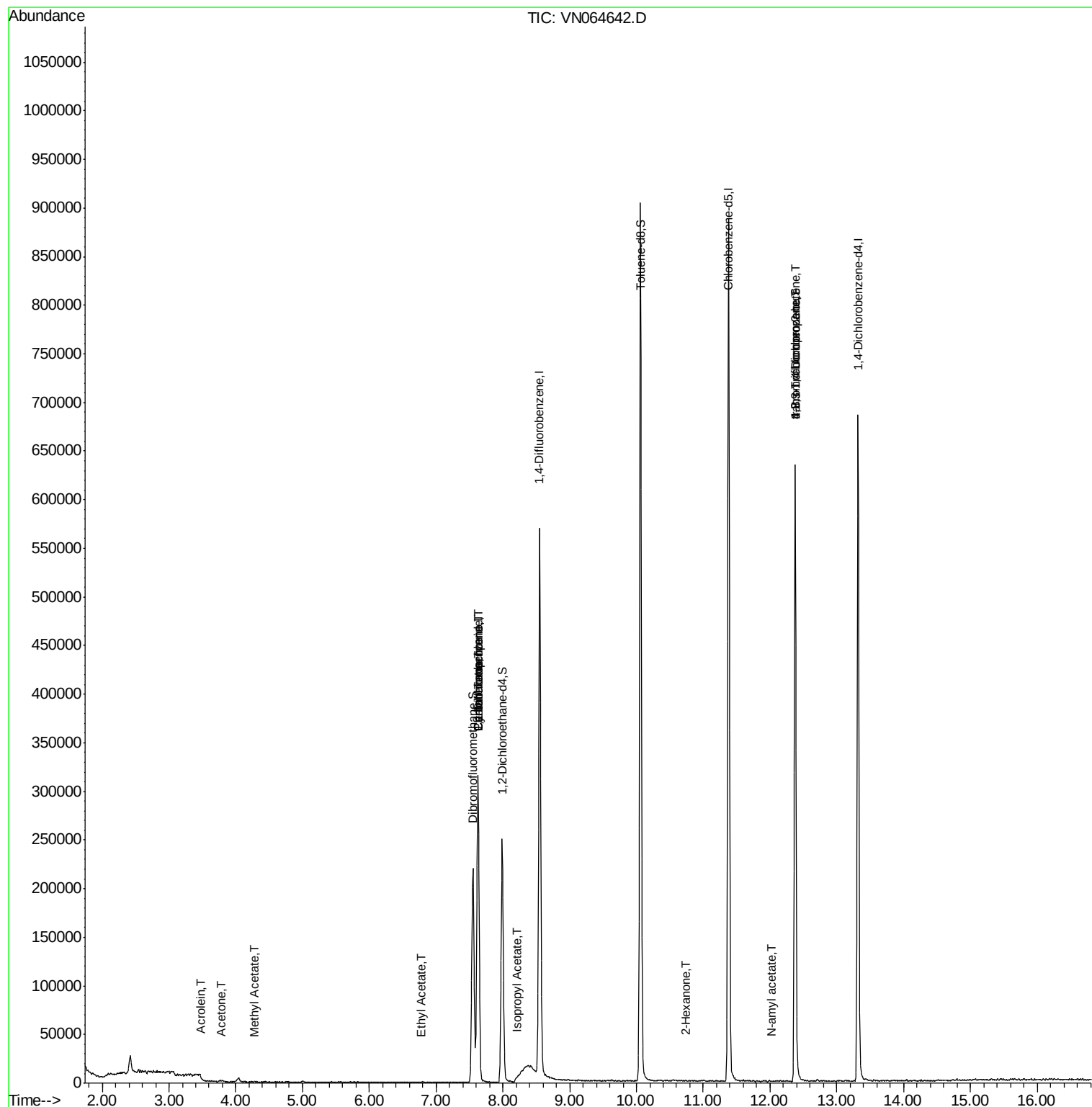
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.49	56	67	0.263	ug/l #	20
16) Acetone	3.78	43	1684	1.185	ug/l #	83
18) Methyl Acetate	4.27	43	577	0.207	ug/l #	55
31) Cyclohexane	7.62	56	6784	1.496	ug/l #	43
36) 1,1-Dichloropropene	7.62	75	21172	4.412	ug/l #	54
37) Ethyl Acetate	6.78	43	99	0.782	ug/l #	71
38) Carbon Tetrachloride	7.63	117	25217	4.917	ug/l #	17
43) Isopropyl Acetate	8.21	43	2965	0.381	ug/l #	64
59) 2-Hexanone	10.73	43	85	4.051	ug/l #	28
74) N-amyl acetate	12.03	43	225	1.248	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	124547	30.245	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	124547	84.448	ug/l #	8

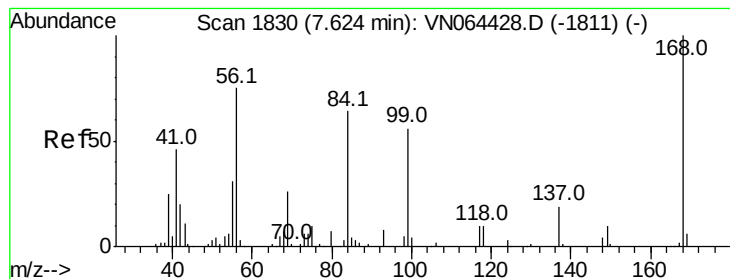
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN064642.D

Acq: 13 Nov 2020 19:58

Instrument :

MSVOA_N

ClientSampleId :

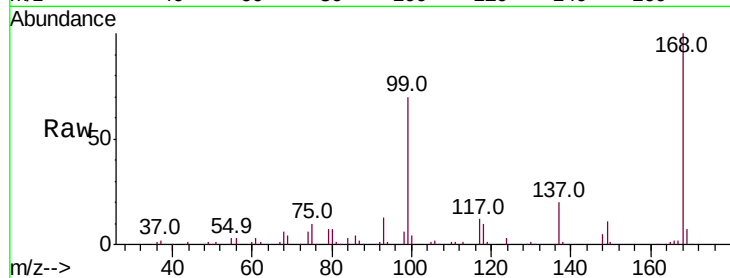
M-1-OW

Tot Ion:168 Resp: 214120

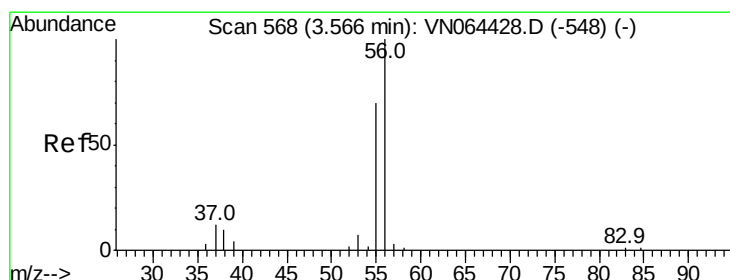
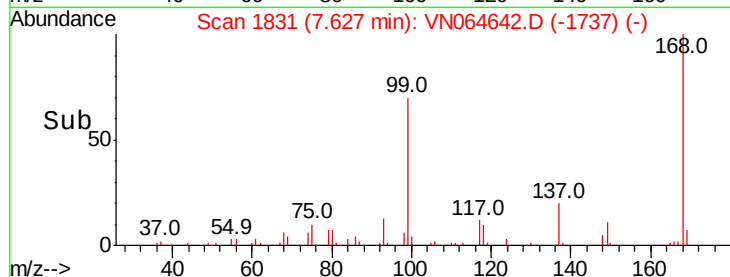
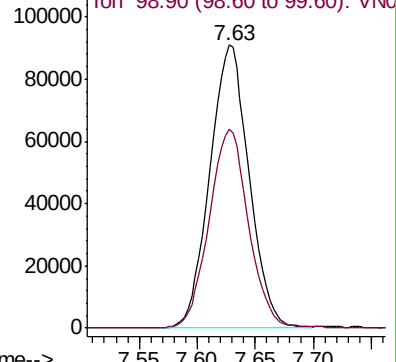
Ion Ratio Lower Upper

168 100

99 70.1 53.4 80.2



Abundance Ion 167.90 (167.60 to 168.60): VN064428.D (-1811) (-)



#13

Acrolein

Concen: 0.263 ug/l

RT: 3.49 min Scan# 544

Delta R.T. -0.08 min

Lab File: VN064642.D

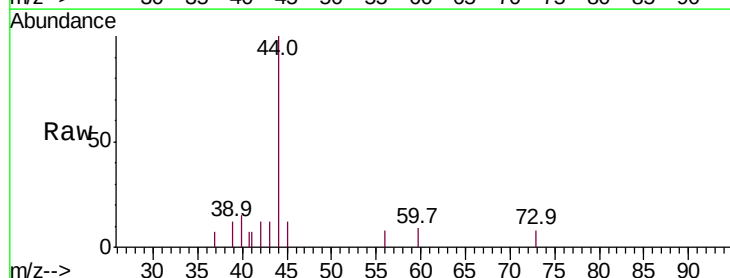
Acq: 13 Nov 2020 19:58

Tgt Ion: 56 Resp: 67

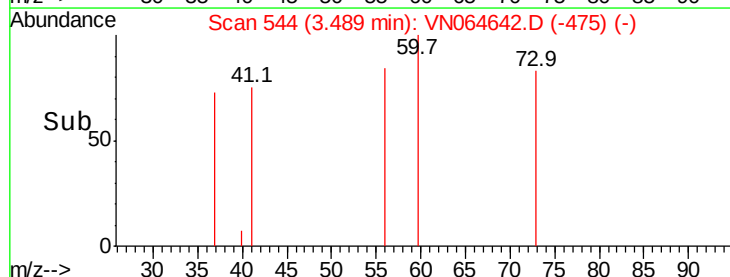
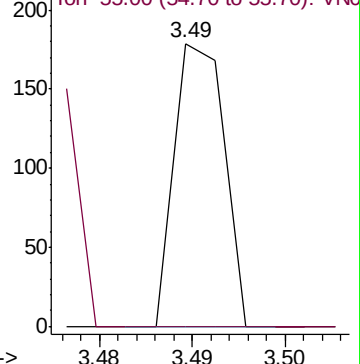
Ion Ratio Lower Upper

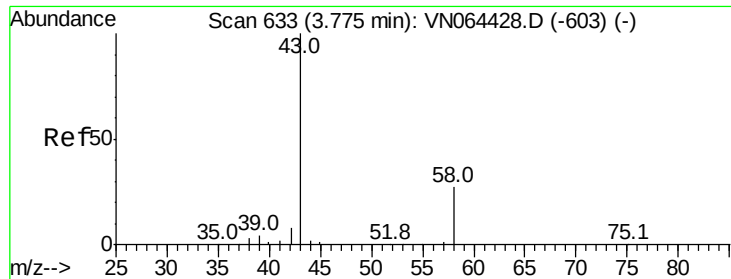
56 100

55 135.8 55.9 83.9#



Abundance Ion 56.00 (55.70 to 56.70): VN064428.D (-548) (-)





#16

Acetone

Concen: 1.185 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN064642.D

Acq: 13 Nov 2020 19:58

Instrument :

MSVOA_N

ClientSampleId :

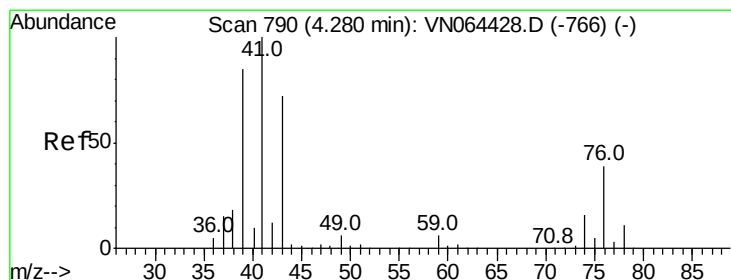
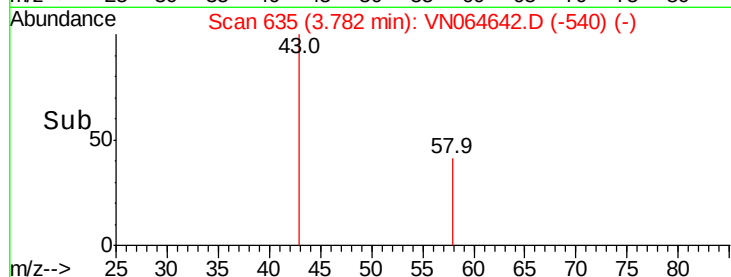
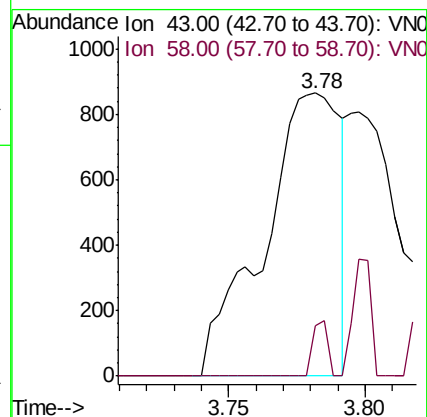
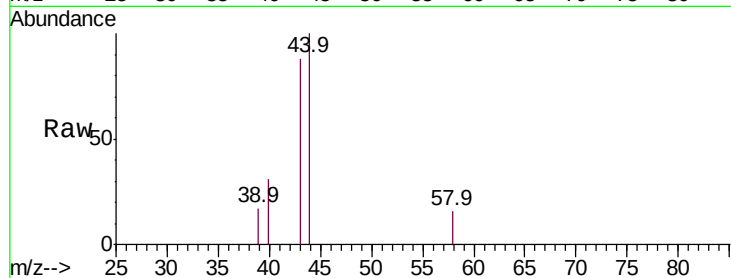
M-1-OW

Tot Ion: 43 Resp: 1684

Ion Ratio Lower Upper

43 100

58 18.0 21.4 32.0#



#18

Methyl Acetate

Concen: 0.207 ug/l

RT: 4.27 min Scan# 788

Delta R.T. -0.01 min

Lab File: VN064642.D

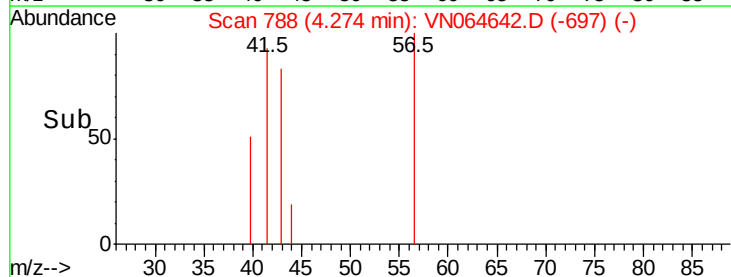
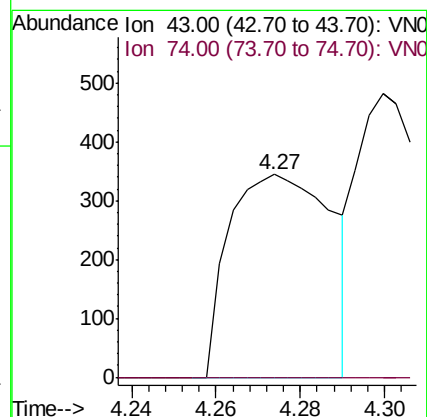
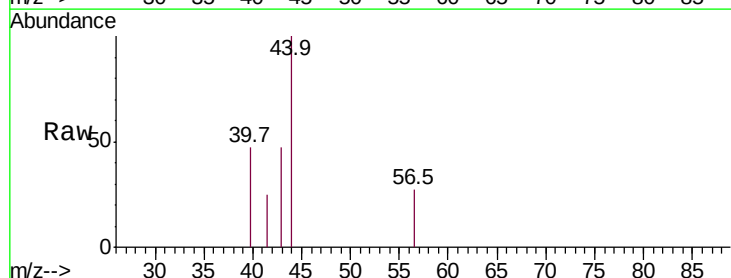
Acq: 13 Nov 2020 19:58

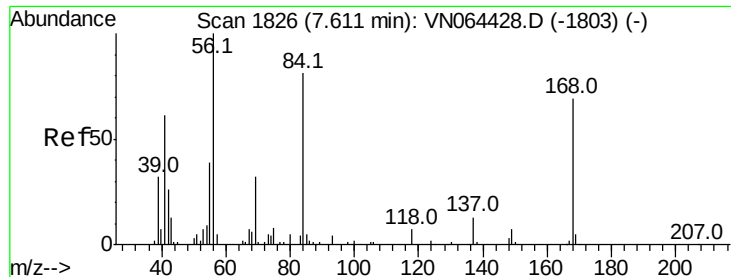
Tgt Ion: 43 Resp: 577

Ion Ratio Lower Upper

43 100

74 0.0 17.0 25.4#

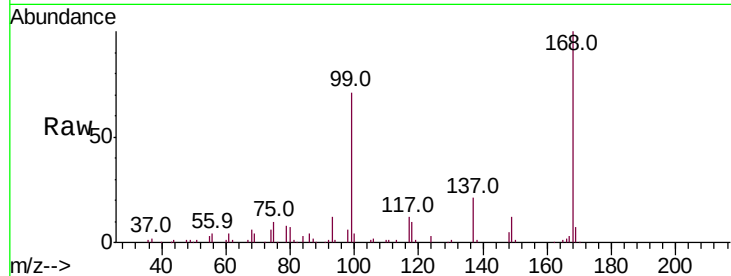




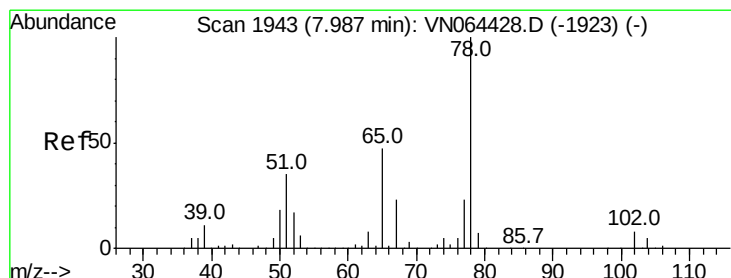
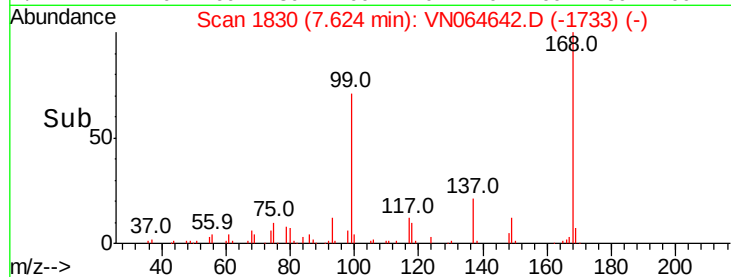
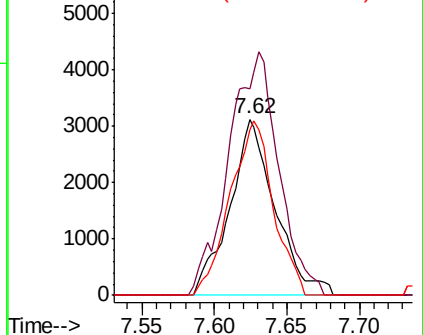
#31
Cyclohexane
Concen: 1.496 ug/l
RT: 7.62 min Scan# 1830
Delta R.T. 0.01 min
Lab File: VN064642.D
Acq: 13 Nov 2020 19:58

Instrument :
MSVOA_N
ClientSampleId :
M-1-OW

Tot Ion: 56 Resp: 6784
Ion Ratio Lower Upper
56 100
69 117.7 25.6 38.4#
84 94.5 63.0 94.6

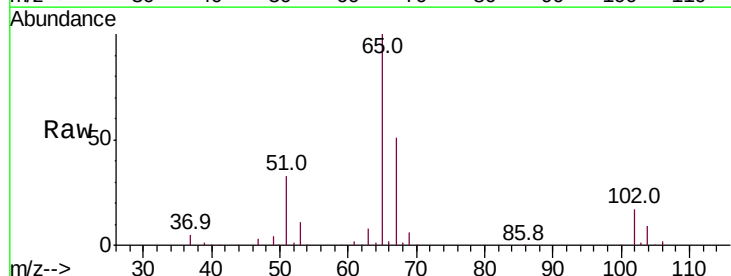


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

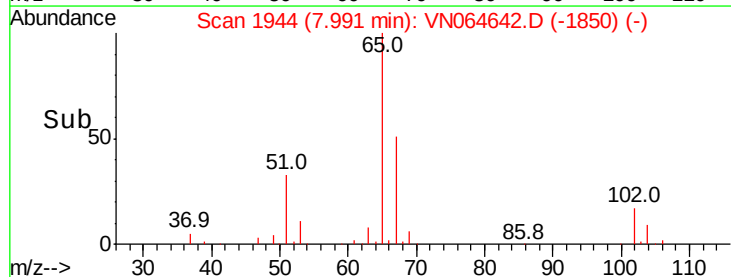
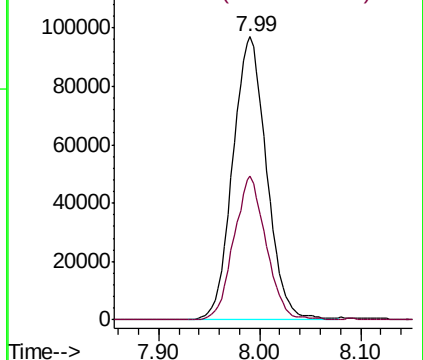


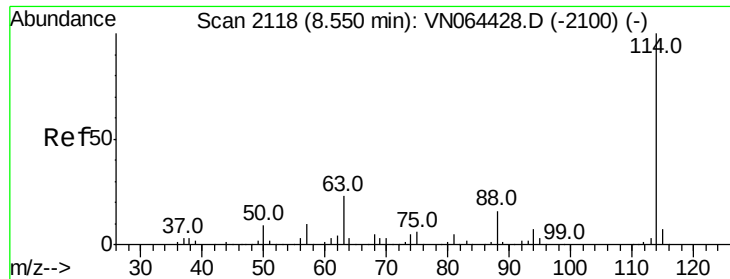
#33
1,2-Dichloroethane-d4
Concen: 60.523 ug/l
RT: 7.99 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN064642.D
Acq: 13 Nov 2020 19:58

Tgt Ion: 65 Resp: 225729
Ion Ratio Lower Upper
65 100
67 48.5 0.0 101.6



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

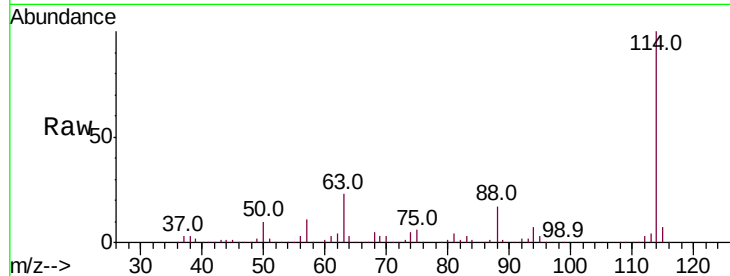




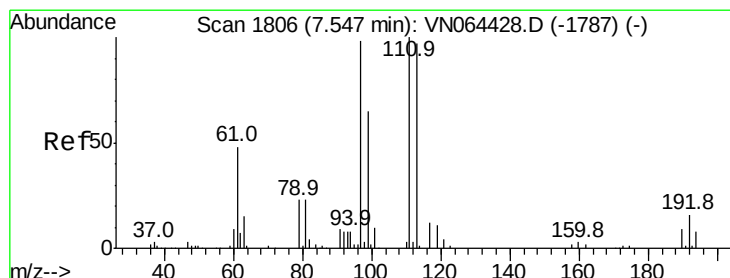
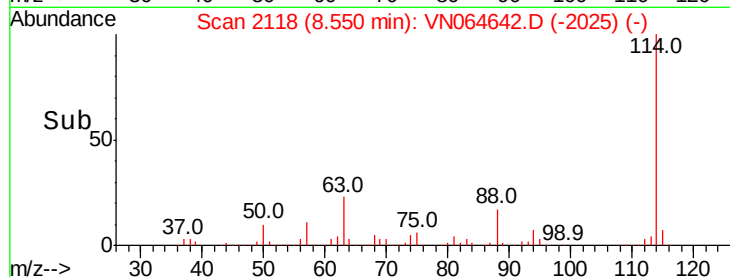
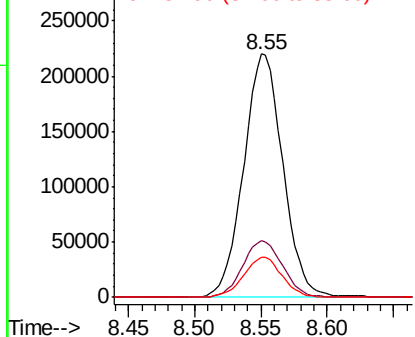
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN064642.D
 Acq: 13 Nov 2020 19:58

Instrument :
 MSVOA_N
 ClientSampleId :
 M-1-OW

Tot Ion:	114	Resp:	454225
Ion	Ratio	Lower	Upper
114	100		
63	23.1	0.0	45.6
88	16.5	0.0	32.8

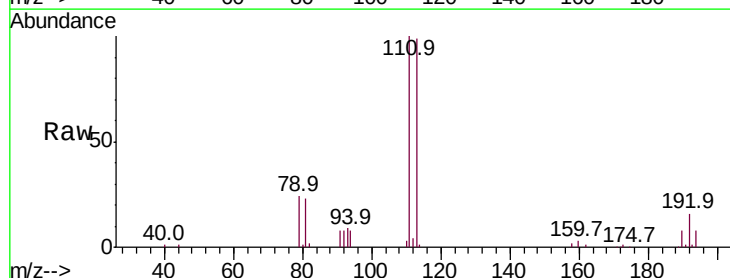


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

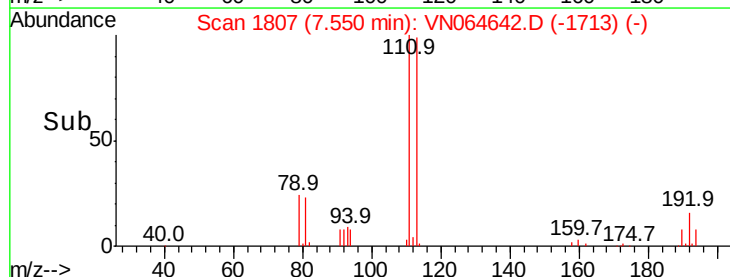
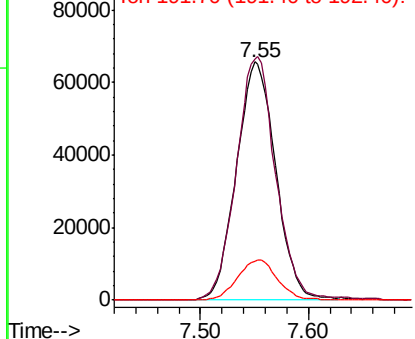


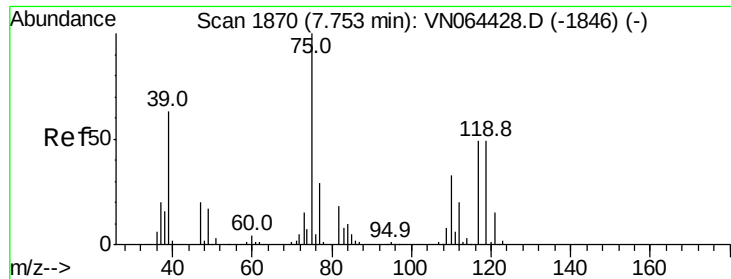
#35
 Dibromofluoromethane
 Concen: 53.868 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064642.D
 Acq: 13 Nov 2020 19:58

Tgt Ion:	113	Resp:	166595
Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.1	121.7
192	17.0	12.8	19.2



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: 4.412 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.13 min

Lab File: VN064642.D

Acq: 13 Nov 2020 19:58

Instrument :

MSVOA_N

ClientSampled :

M-1-OW

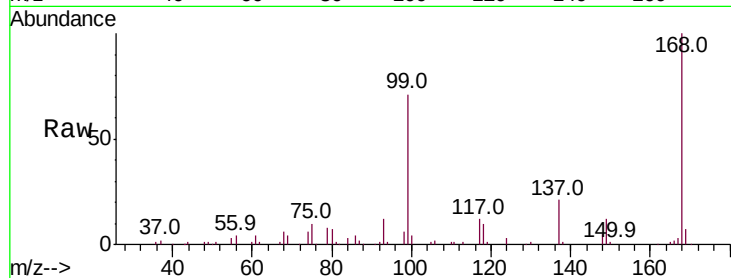
Tot Ion: 75 Resp: 21172

Ion Ratio Lower Upper

75 100

110 10.8 16.0 48.0#

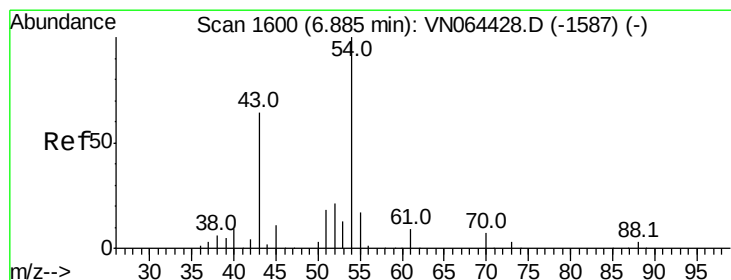
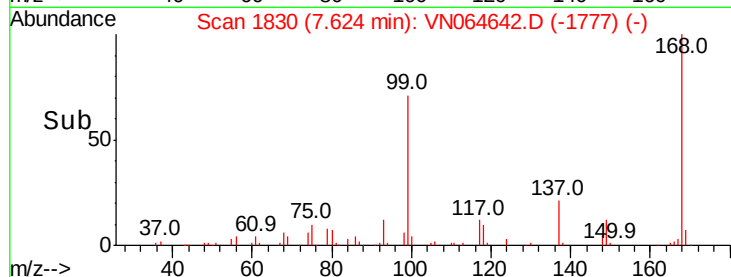
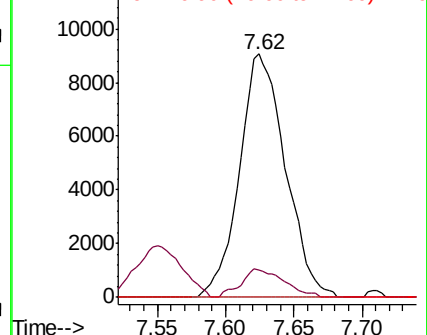
77 0.0 24.0 36.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#37

Ethyl Acetate

Concen: 0.782 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. -0.10 min

Lab File: VN064642.D

Acq: 13 Nov 2020 19:58

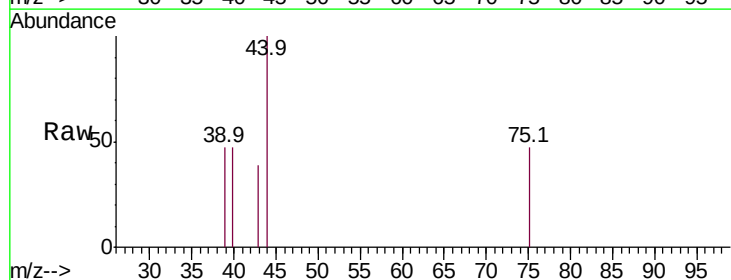
Tgt Ion: 43 Resp: 99

Ion Ratio Lower Upper

43 100

61 0.0 10.0 15.0#

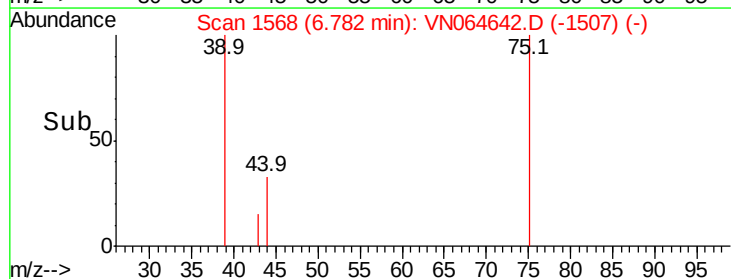
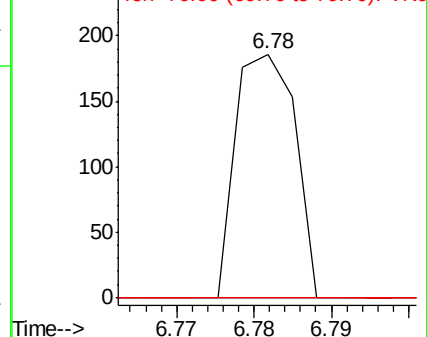
70 0.0 7.1 10.7#

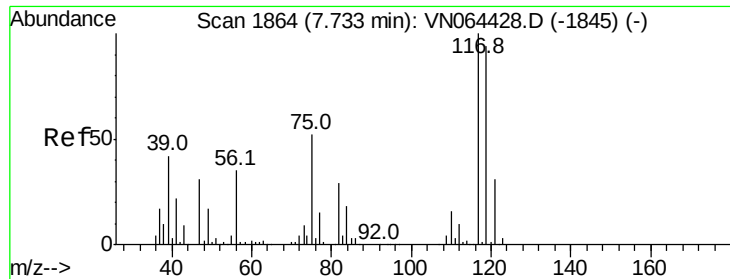


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 70.00 (69.70 to 70.70): VN0

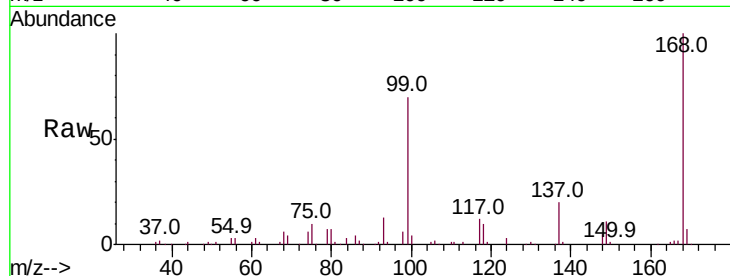




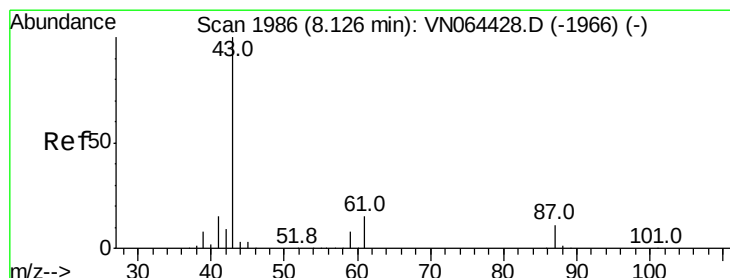
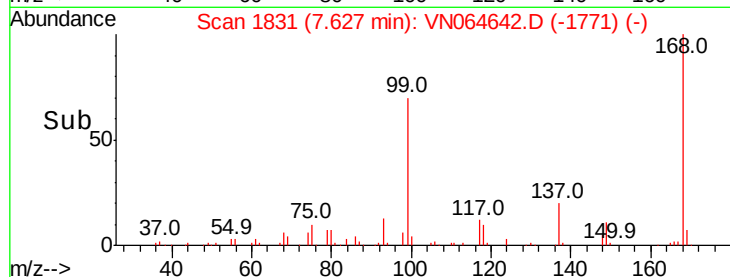
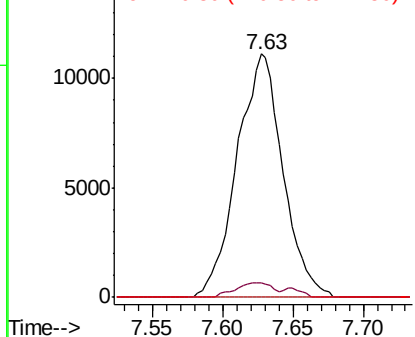
#38
Carbon Tetrachloride
Concen: 4.917 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. -0.11 min
Lab File: VN064642.D
Acq: 13 Nov 2020 19:58

Instrument :
MSVOA_N
ClientSampleId :
M-1-OW

Tot Ion:117 Resp: 25217
Ion Ratio Lower Upper
117 100
119 5.9 75.5 113.3#
121 0.0 24.4 36.6#

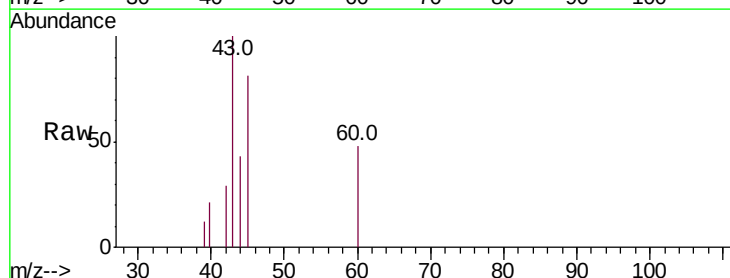


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

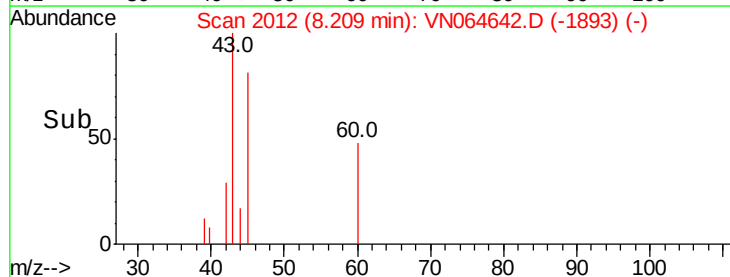
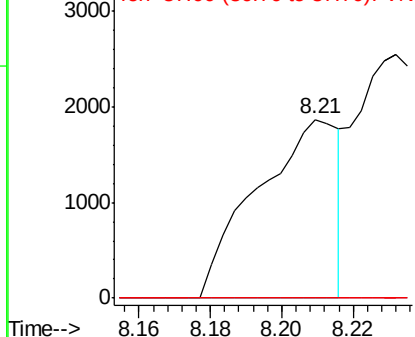


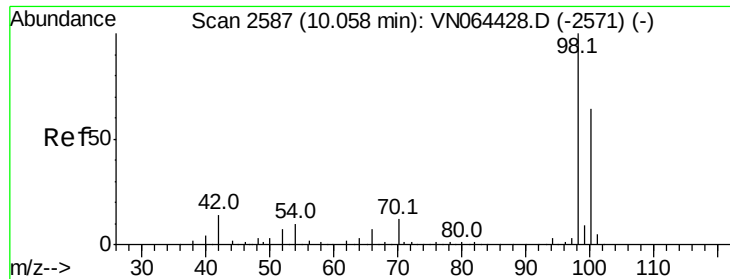
#43
Isopropyl Acetate
Concen: 0.381 ug/l
RT: 8.21 min Scan# 2012
Delta R.T. 0.08 min
Lab File: VN064642.D
Acq: 13 Nov 2020 19:58

Tgt Ion: 43 Resp: 2965
Ion Ratio Lower Upper
43 100
61 0.0 14.0 21.0#
87 0.0 9.1 13.7#



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 61.00 (60.70 to 61.70): V
Ion 87.00 (86.70 to 87.70): V

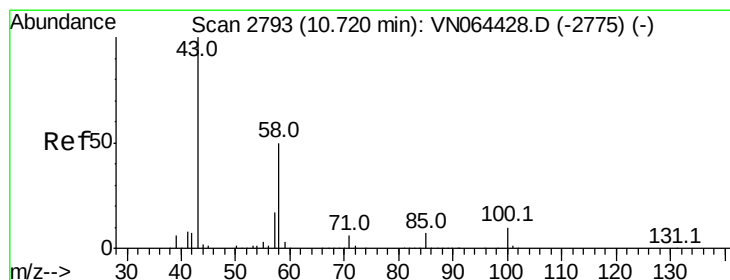
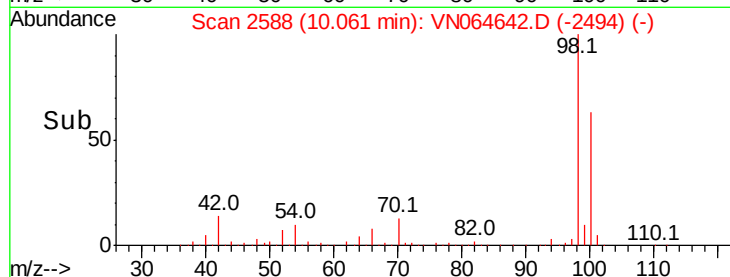
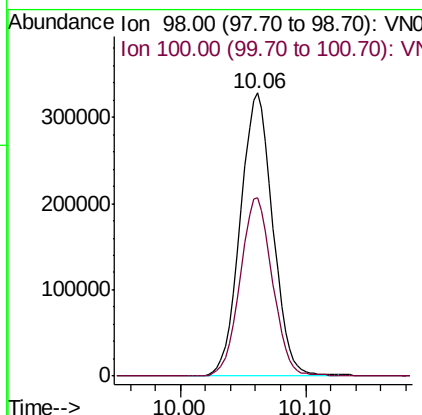
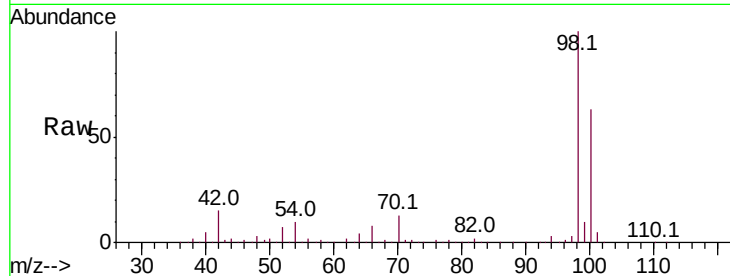




#50
Toluene-d8
Concen: 49.489 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN064642.D
Acq: 13 Nov 2020 19:58

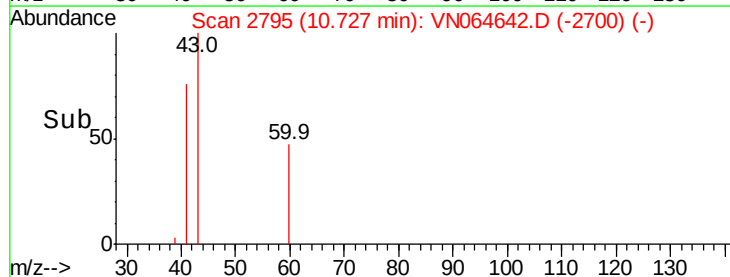
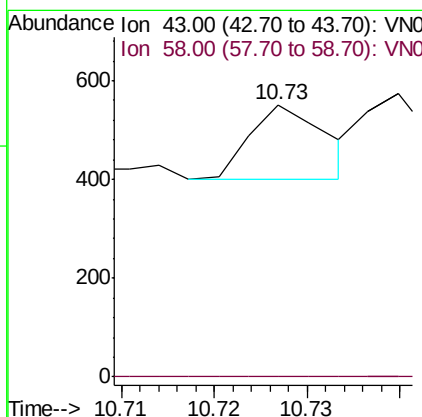
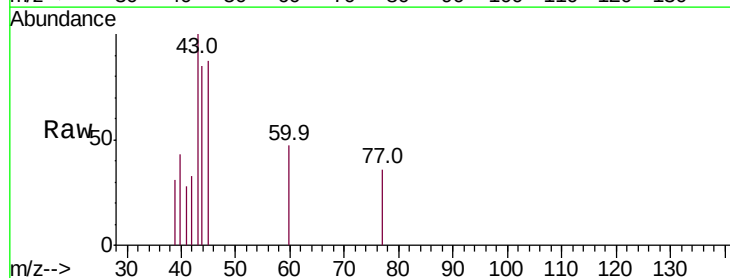
Instrument :
MSVOA_N
ClientSampled :
M-1-OW

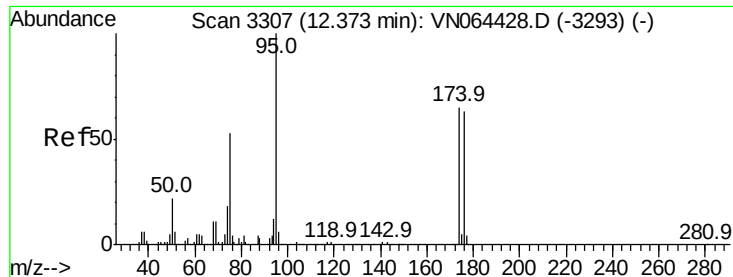
Tot Ion: 98 Resp: 591545
Ion Ratio Lower Upper
98 100
100 62.6 50.7 76.1



#59
2-Hexanone
Concen: 4.051 ug/l
RT: 10.73 min Scan# 2795
Delta R.T. 0.01 min
Lab File: VN064642.D
Acq: 13 Nov 2020 19:58

Tgt Ion: 43 Resp: 85
Ion Ratio Lower Upper
43 100
58 0.0 24.7 74.1#





#62

4-Bromofluorobenzene

Concen: 47.778 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064642.D

Acq: 13 Nov 2020 19:58

Instrument :

MSVOA_N

ClientSampleId :

M-1-OW

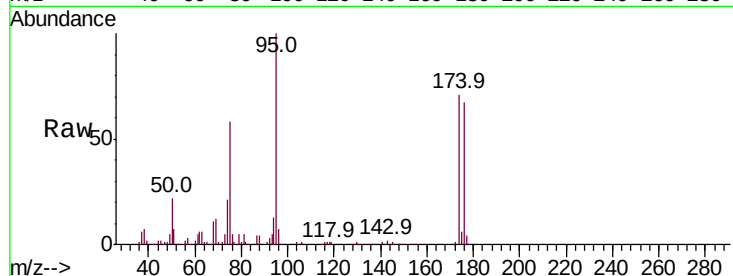
Tot Ion: 95 Resp: 215979

Ion Ratio Lower Upper

95 100

174 72.2 0.0 132.6

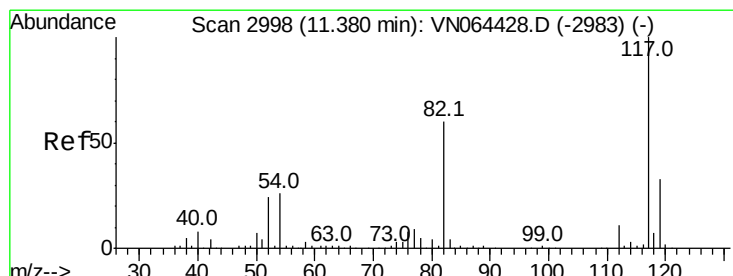
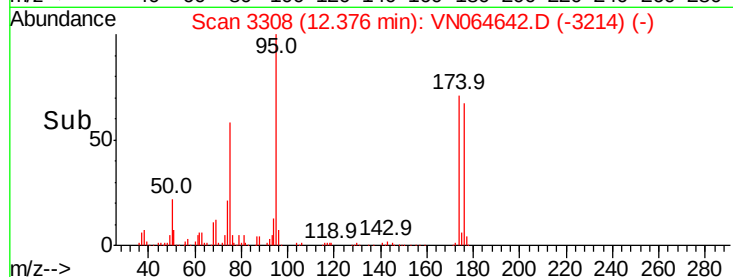
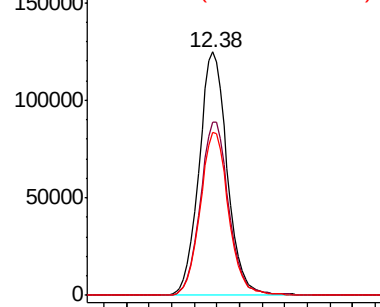
176 67.7 0.0 129.2



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. -0.00 min

Lab File: VN064642.D

Acq: 13 Nov 2020 19:58

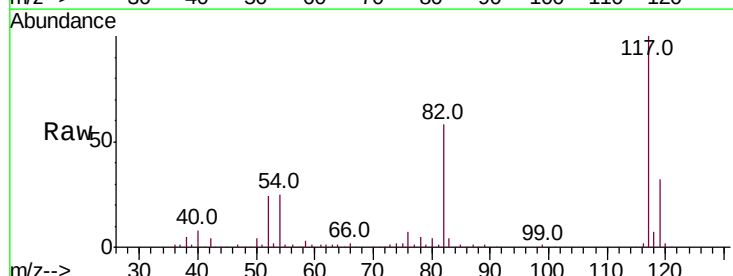
Tgt Ion: 117 Resp: 483625

Ion Ratio Lower Upper

117 100

82 58.3 48.1 72.1

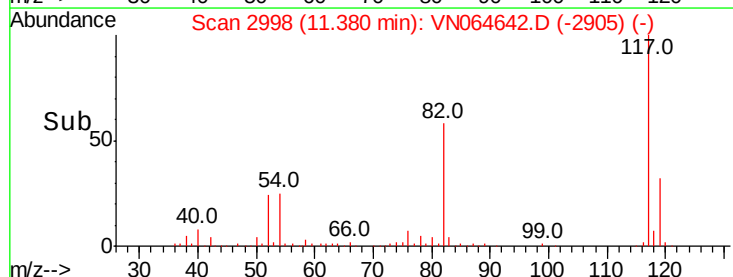
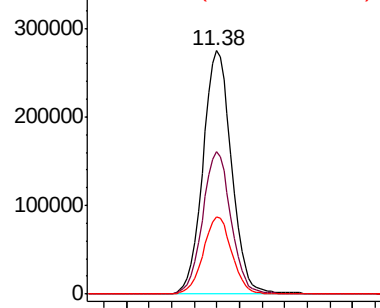
119 31.9 26.2 39.4

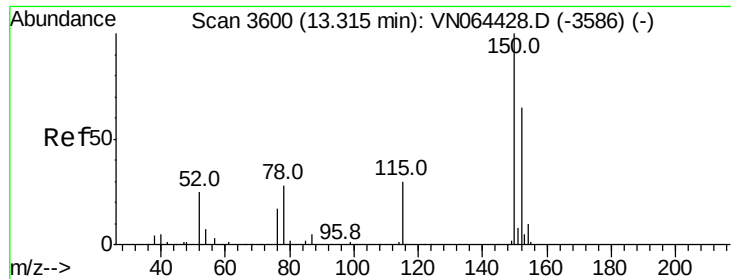


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN064642.D

Acq: 13 Nov 2020 19:58

Instrument :

MSVOA_N

ClientSampleId :

M-1-OW

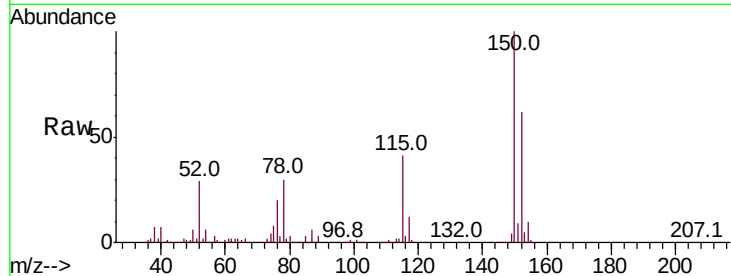
Tot Ion:152 Resp: 169956

Ion Ratio Lower Upper

152 100

115 65.3 32.0 96.0

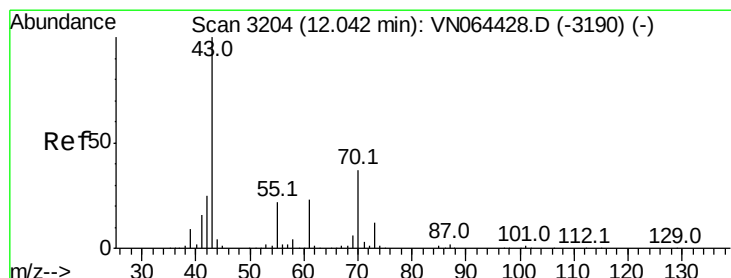
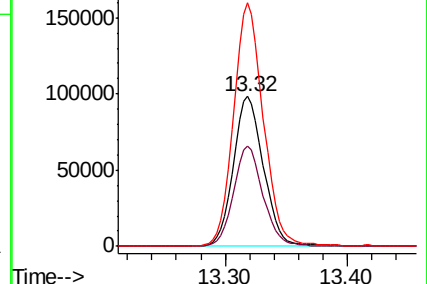
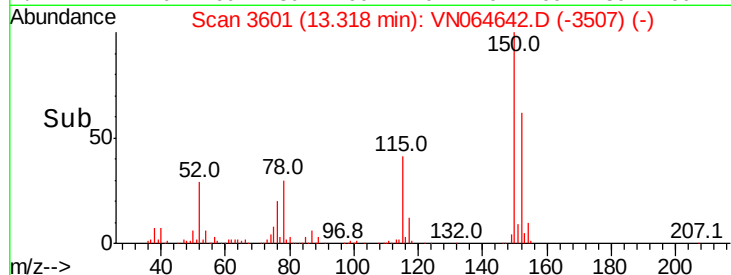
150 160.2 0.0 353.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 1.248 ug/l

RT: 12.03 min Scan# 3200

Delta R.T. -0.01 min

Lab File: VN064642.D

Acq: 13 Nov 2020 19:58

Tgt Ion: 43 Resp: 225

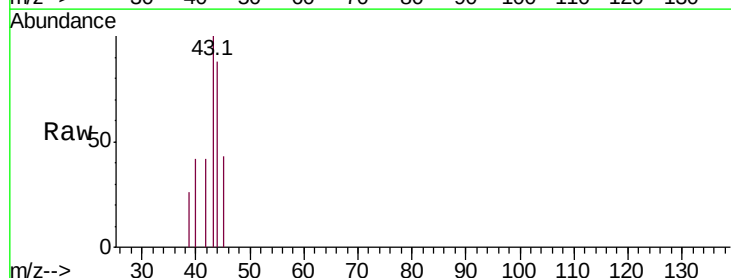
Ion Ratio Lower Upper

43 100

70 0.0 29.6 44.4#

55 0.0 18.4 27.6#

61 0.0 17.8 26.6#

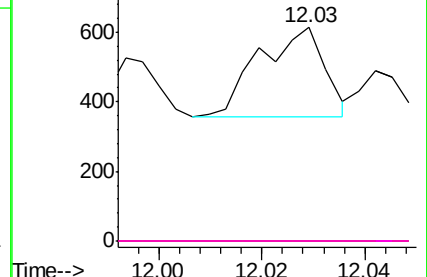
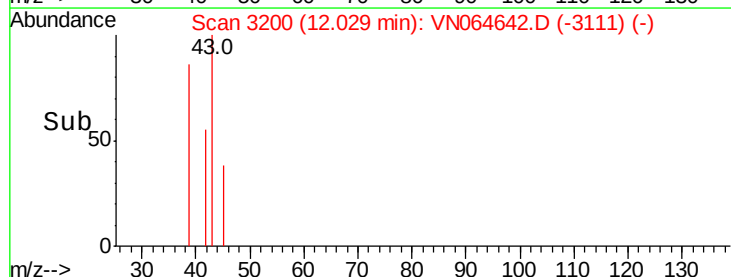


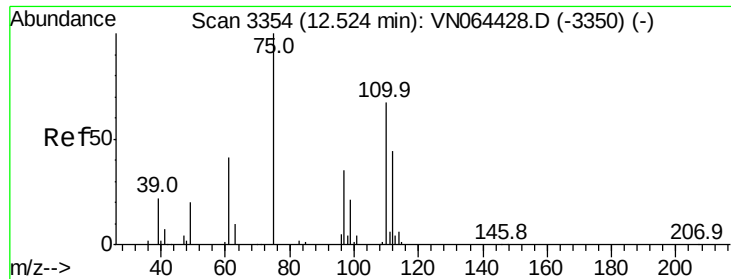
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 30.245 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064642.D

Acq: 13 Nov 2020 19:58

Instrument :

MSVOA_N

ClientSampled :

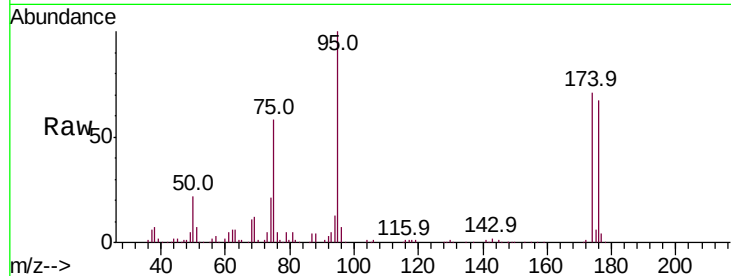
M-1-OW

Tot Ion: 75 Resp: 124547

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO

12.38

80000

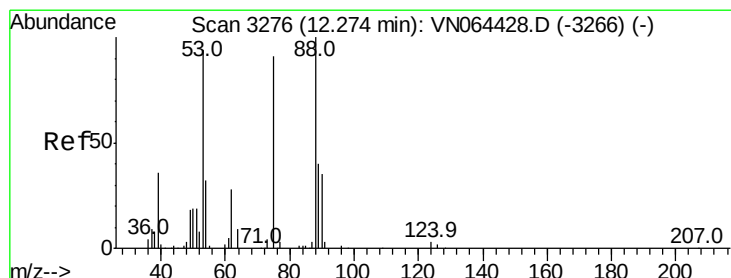
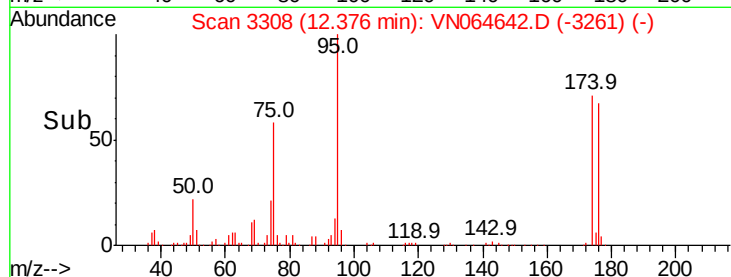
60000

40000

20000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 84.448 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064642.D

Acq: 13 Nov 2020 19:58

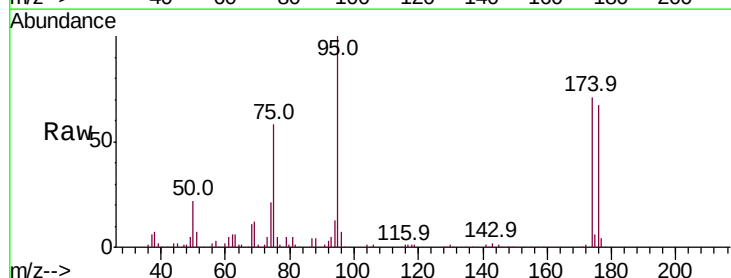
Tgt Ion: 75 Resp: 124547

Ion Ratio Lower Upper

75 100

53 0.1 84.0 126.0#

89 0.0 36.3 54.5#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

100000

80000

60000

40000

20000

0

Time-->

