

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112420\
 Data File : VN064815.D
 Acq On : 24 Nov 2020 17:04
 Operator : JC/MD
 Sample : L4829-17
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-10D

Quant Time: Nov 25 04:05:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:54:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	166893	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	301990	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	312799	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	146724	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	103450	53.32	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	106.64%		
35) Dibromofluoromethane	7.55	113	93768	51.89	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	103.78%		
50) Toluene-d8	10.06	98	371109	50.26	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	100.52%		
62) 4-Bromofluorobenzene	12.37	95	149200	56.47	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	112.94%		

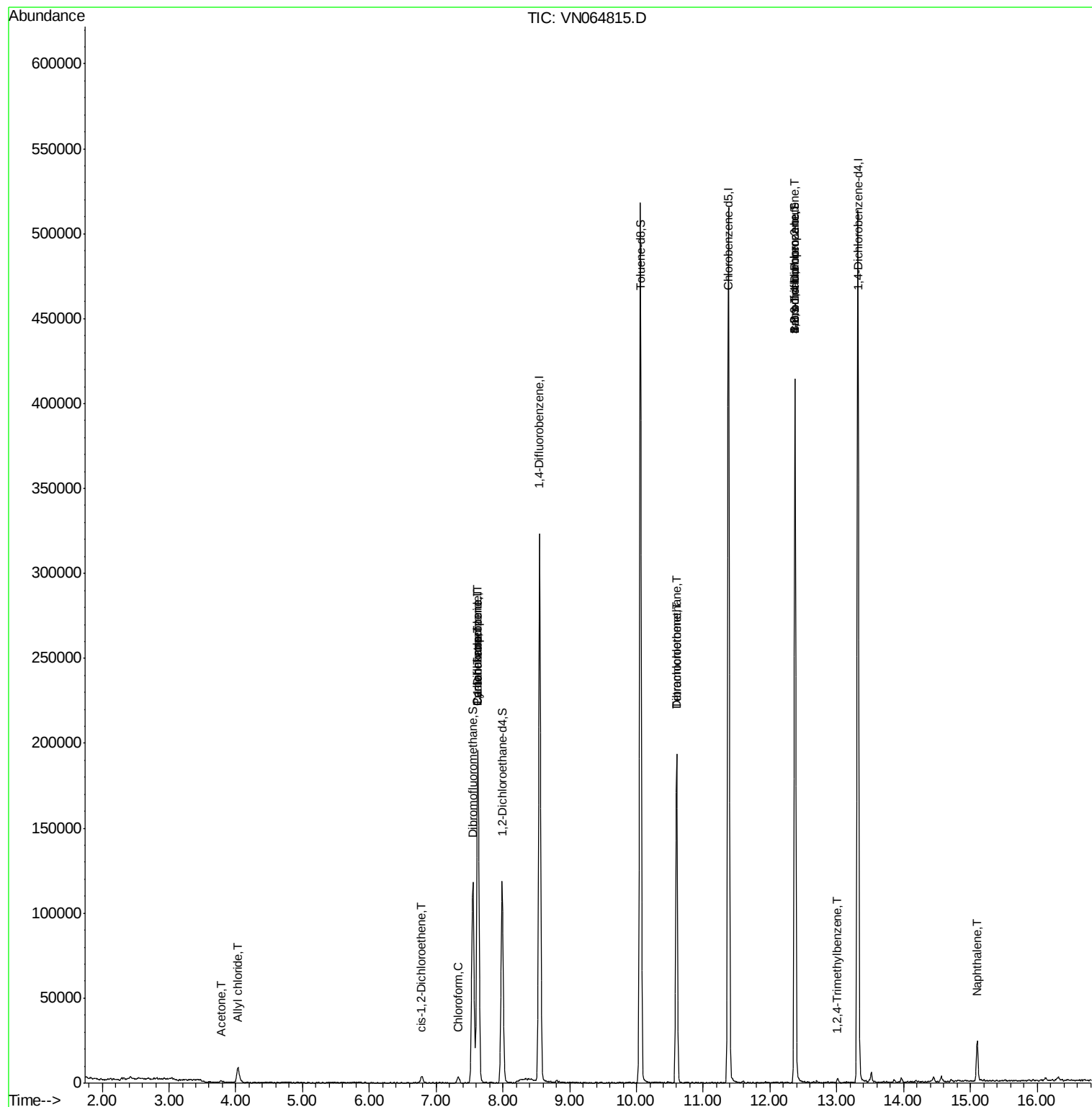
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
14) Allyl chloride	4.04	41	1628	0.610	ug/l #	64
16) Acetone	3.77	43	571	0.895	ug/l #	43
27) cis-1,2-Dichloroethene	6.78	96	785	0.388	ug/l	88
30) Chloroform	7.32	83	4230	1.285	ug/l	98
31) Cyclohexane	7.62	56	2937	1.086	ug/l #	1
36) 1,1-Dichloropropene	7.62	75	11774	4.206	ug/l #	48
38) Carbon Tetrachloride	7.62	117	15787	5.420	ug/l #	16
60) Dibromochloromethane	10.60	129	43338	17.949	ug/l #	10
64) Tetrachloroethene	10.60	164	46674	15.337	ug/l	96
71) Bromoform	12.37	173	990	0.502	ug/l #	1
76) 1,2,3-Trichloropropane	12.37	75	70647	22.358	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.37	75	70647	61.278	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.02	105	1891	0.220	ug/l	97
95) Naphthalene	15.10	128	24032	2.702	ug/l	99

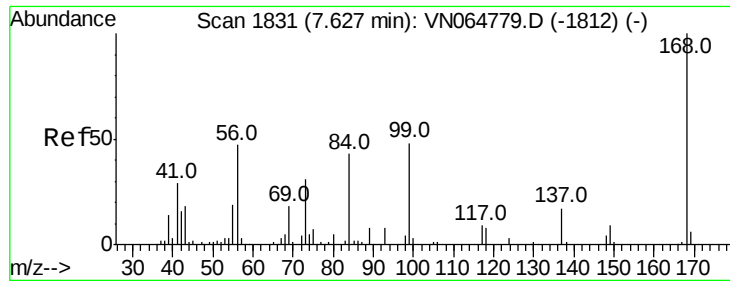
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN064815.D

Acq: 24 Nov 2020 17:04

Instrument :

MSVOA_N

ClientSampleId :

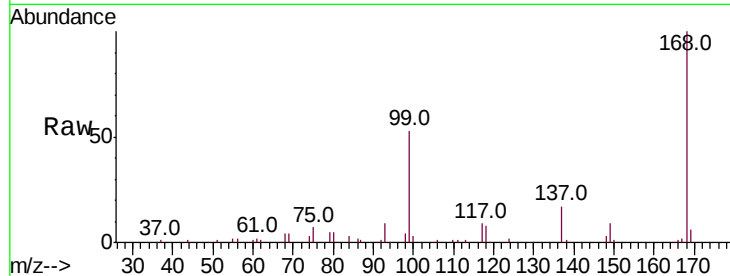
MW-10D

Tot Ion:168 Resp: 166893

Ion Ratio Lower Upper

168 100

99 52.7 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

80000

60000

40000

20000

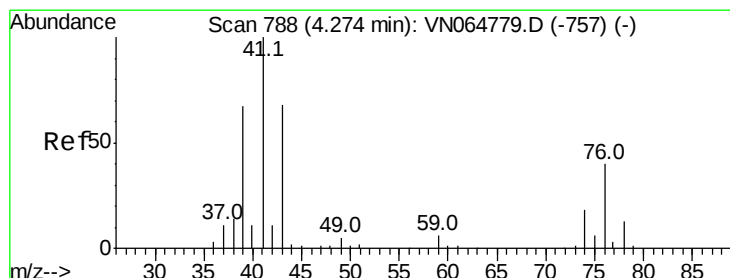
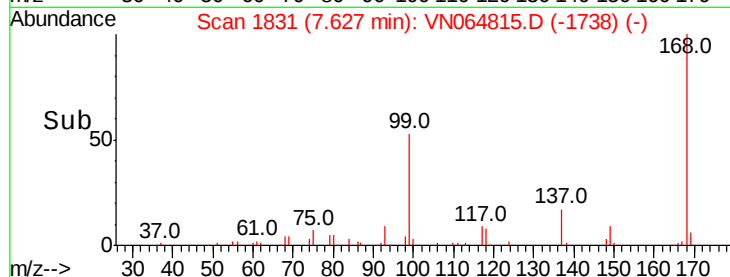
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Time-->

7.50

7.60

7.70



#14

Allyl chloride

Concen: 0.610 ug/l

RT: 4.04 min Scan# 715

Delta R.T. -0.23 min

Lab File: VN064815.D

Acq: 24 Nov 2020 17:04

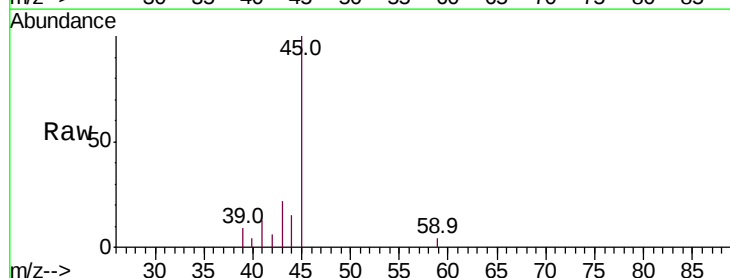
Tgt Ion: 41 Resp: 1628

Ion Ratio Lower Upper

41 100

39 46.7 50.9 76.3#

76 0.0 29.0 43.4#



Abundance Ion 41.00 (40.70 to 41.70): VN

Ion 39.00 (38.70 to 39.70): VN

Ion 75.90 (75.60 to 76.60): VN

4.04

800

600

400

200

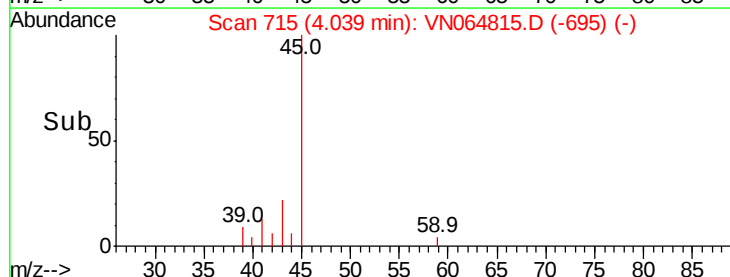
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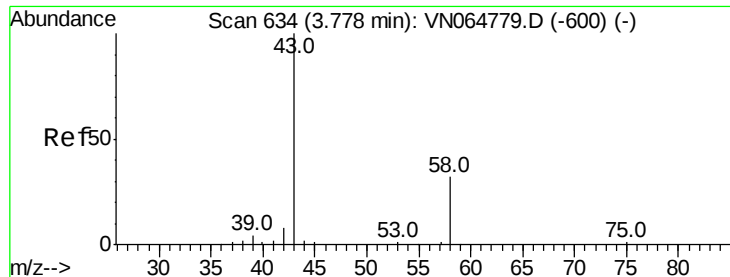
Time-->

4.00

4.05

4.10





#16

Acetone

Concen: 0.895 ug/l

RT: 3.77 min Scan# 631

Delta R.T. -0.01 min

Lab File: VN064815.D

Acq: 24 Nov 2020 17:04

Instrument :

MSVOA_N

ClientSampled :

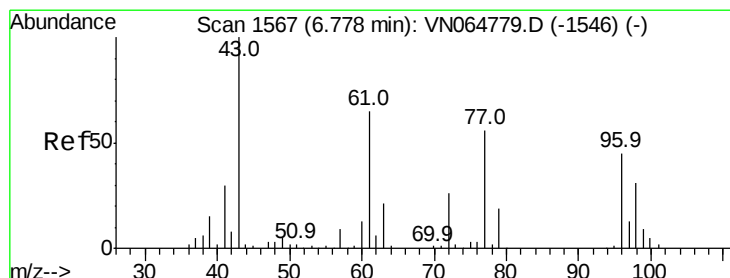
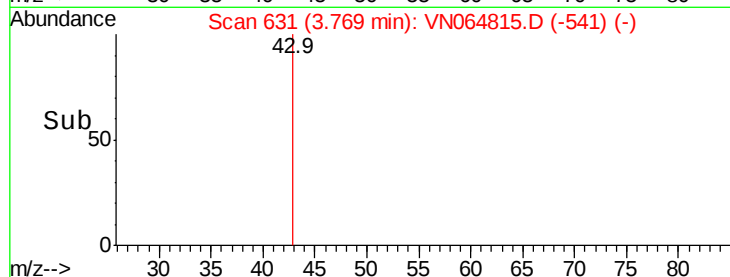
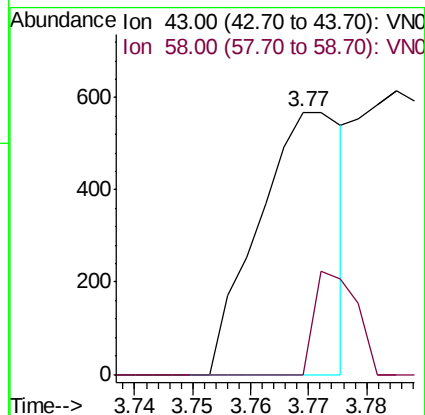
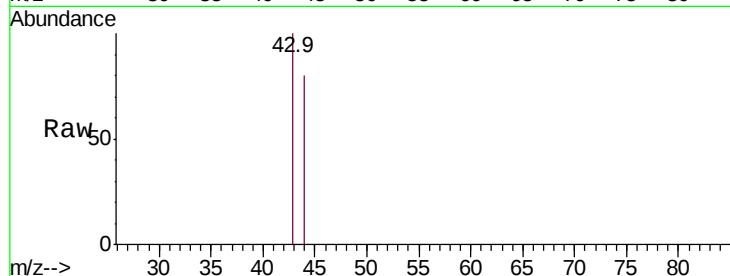
MW-10D

Tot Ion: 43 Resp: 571

Ion Ratio Lower Upper

43 100

58 0.0 25.7 38.5#



#27

cis-1,2-Dichloroethene

Concen: 0.388 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN064815.D

Acq: 24 Nov 2020 17:04

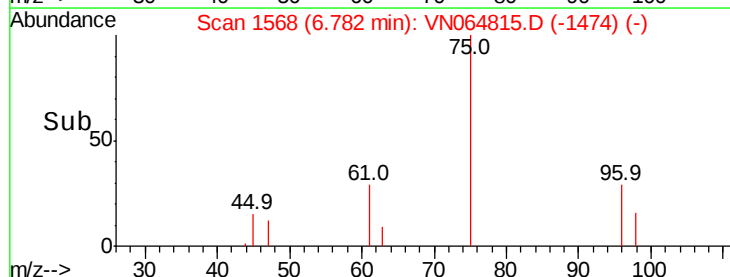
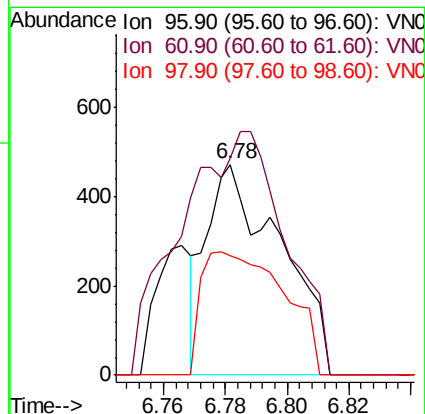
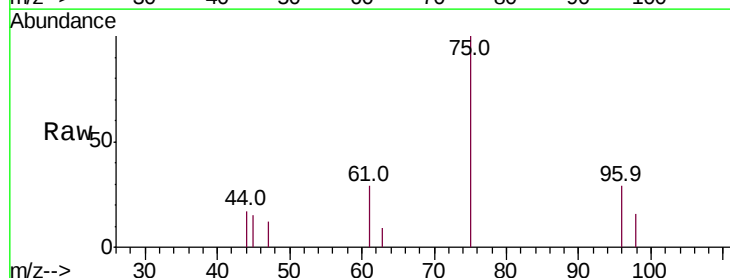
Tgt Ion: 96 Resp: 785

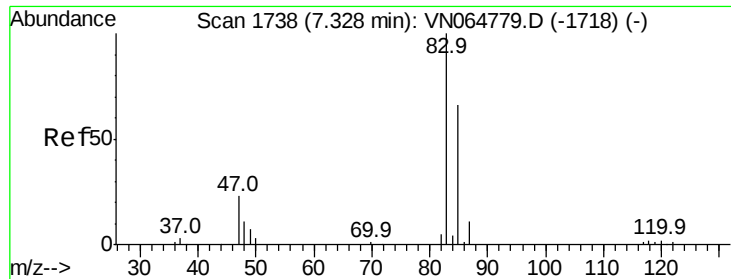
Ion Ratio Lower Upper

96 100

61 164.7 0.0 285.8

98 65.9 0.0 130.6

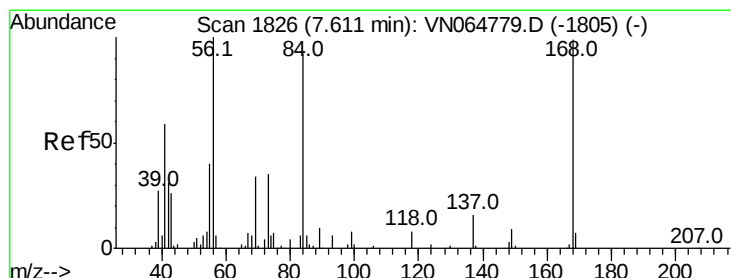
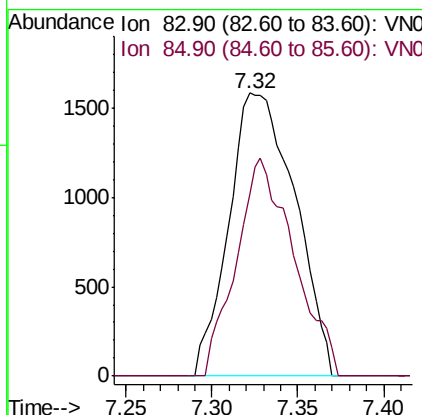
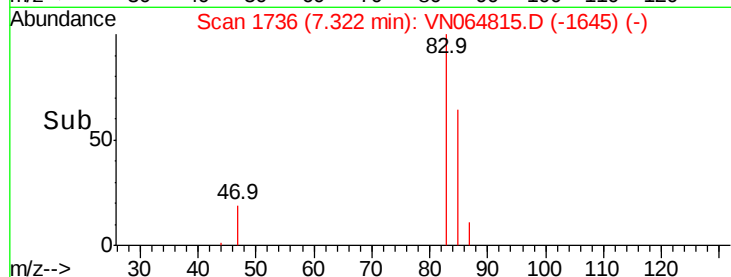
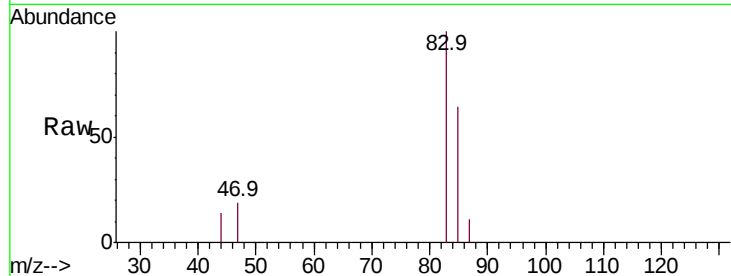




#30
Chloroform
Concen: 1.285 ug/l
RT: 7.32 min Scan# 1736
Delta R.T. -0.01 min
Lab File: VN064815.D
Acq: 24 Nov 2020 17:04

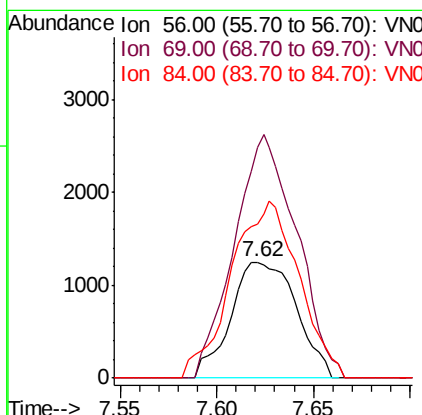
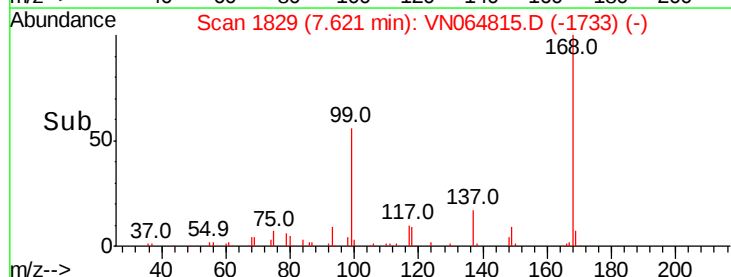
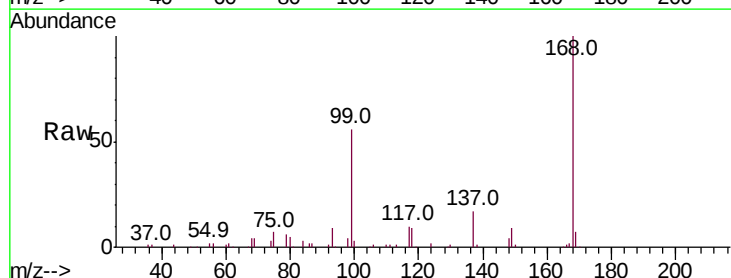
Instrument :
MSVOA_N
ClientSampleId :
MW-10D

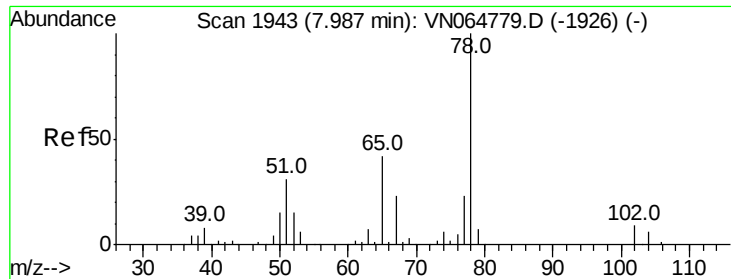
Tot Ion: 83 Resp: 4230
Ion Ratio Lower Upper
83 100
85 64.2 52.6 78.8



#31
Cyclohexane
Concen: 1.086 ug/l
RT: 7.62 min Scan# 1829
Delta R.T. 0.01 min
Lab File: VN064815.D
Acq: 24 Nov 2020 17:04

Tgt Ion: 56 Resp: 2937
Ion Ratio Lower Upper
56 100
69 199.3 27.5 41.3#
84 120.2 73.9 110.9#

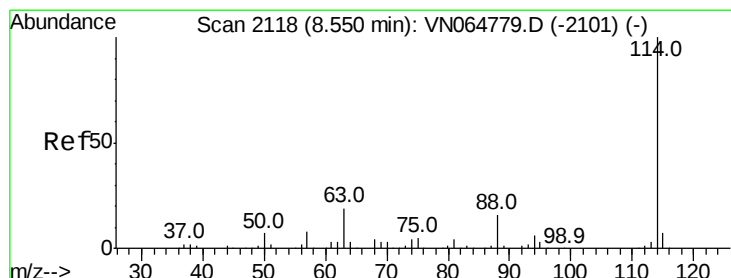
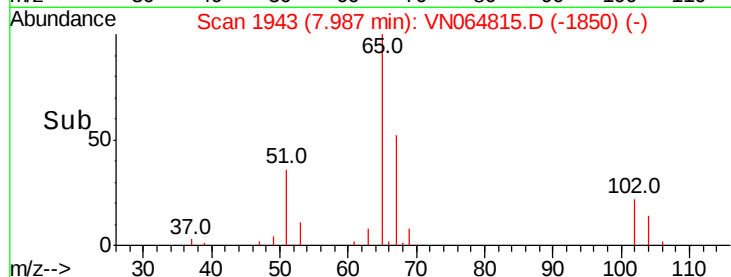
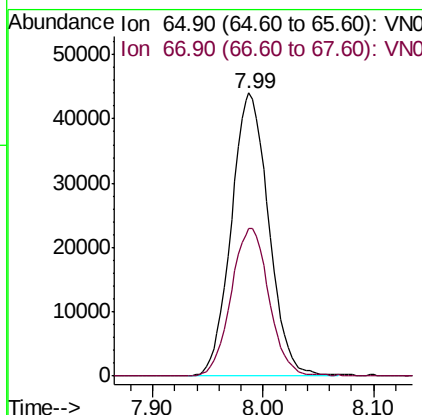
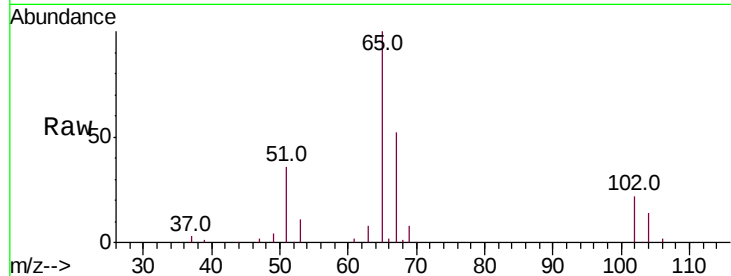




#33
 1,2-Dichloroethane-d4
 Concen: 53.318 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064815.D
 Acq: 24 Nov 2020 17:04

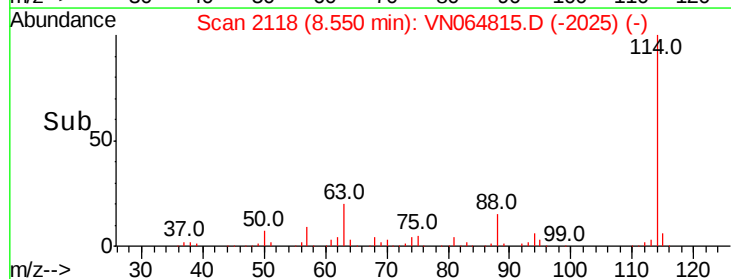
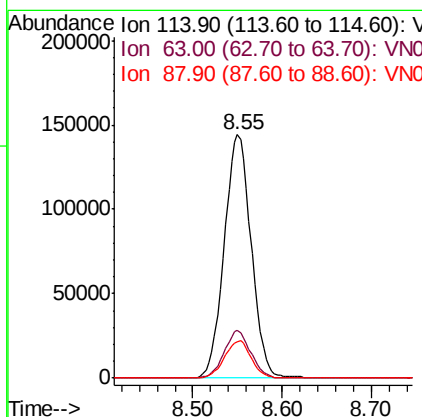
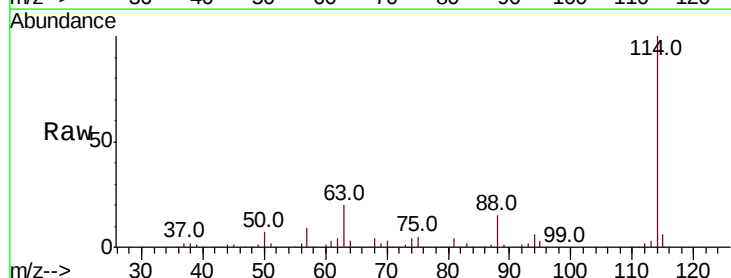
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-10D

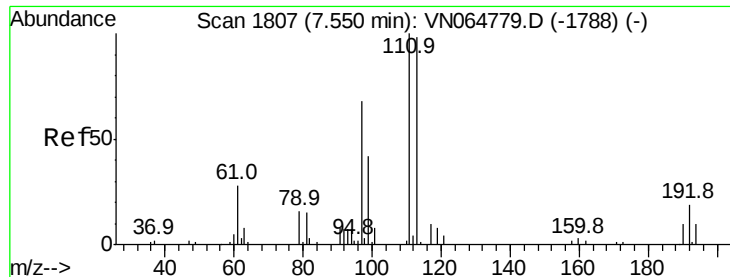
Tot Ion: 65 Resp: 103450
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 108.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064815.D
 Acq: 24 Nov 2020 17:04

Tgt Ion: 114 Resp: 301990
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 38.6
 88 15.1 0.0 32.6

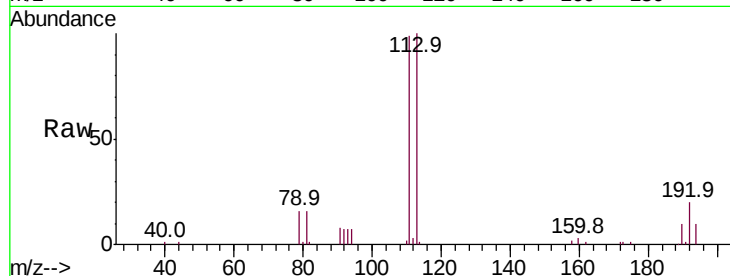




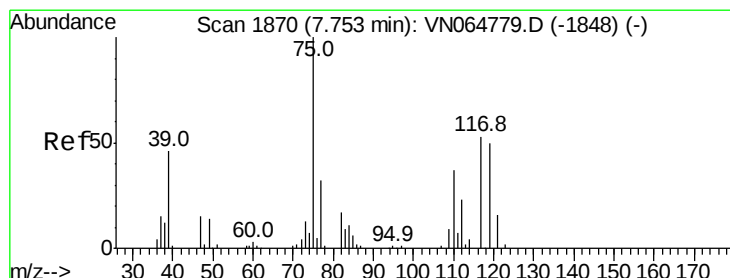
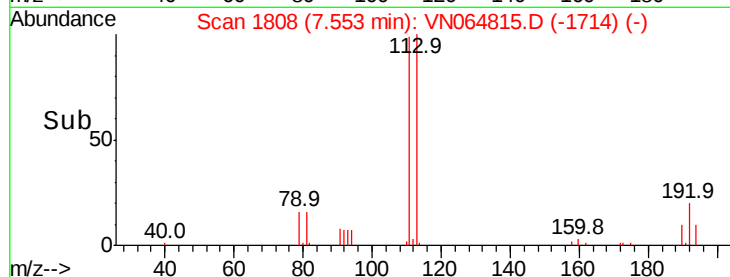
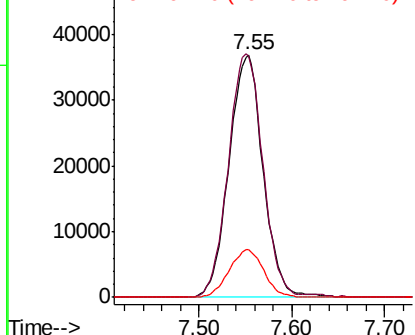
#35
 Dibromofluoromethane
 Concen: 51.891 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064815.D
 Acq: 24 Nov 2020 17:04

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-10D

Tot Ion:113 Resp: 93768
 Ion Ratio Lower Upper
 113 100
 111 101.6 81.6 122.4
 192 19.9 16.2 24.2

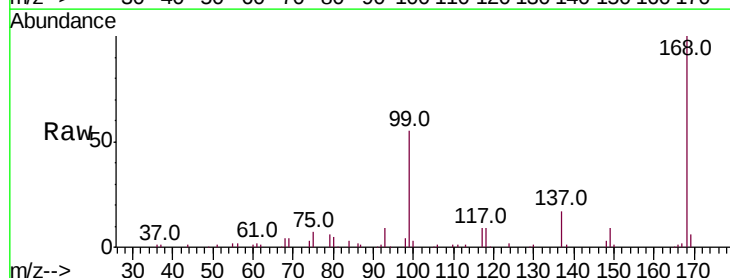


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

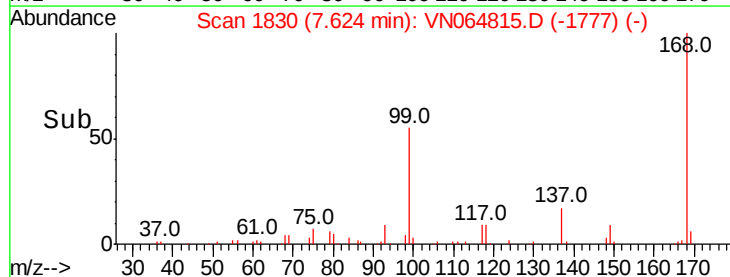
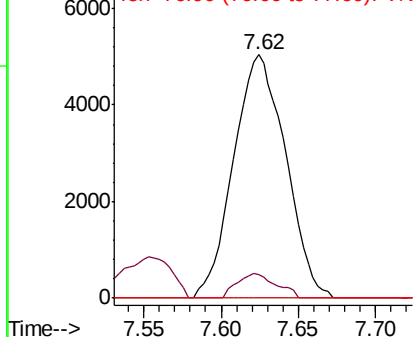


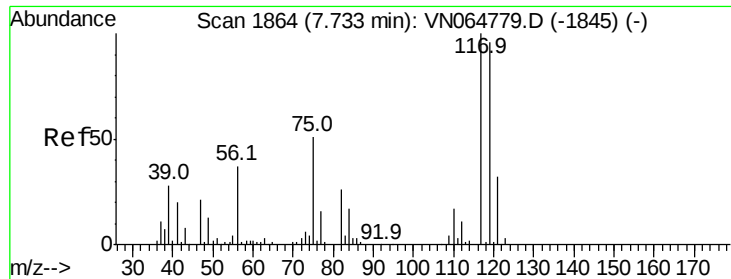
#36
 1,1-Dichloropropene
 Concen: 4.206 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN064815.D
 Acq: 24 Nov 2020 17:04

Tgt Ion: 75 Resp: 11774
 Ion Ratio Lower Upper
 75 100
 110 7.5 17.8 53.3#
 77 0.0 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 5.420 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.11 min

Lab File: VN064815.D

Acq: 24 Nov 2020 17:04

Instrument :

MSVOA_N

ClientSampleId :

MW-10D

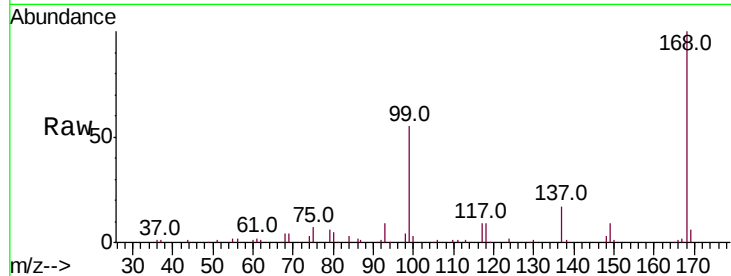
Tot Ion:117 Resp: 15787

Ion Ratio Lower Upper

117 100

119 4.9 76.7 115.1#

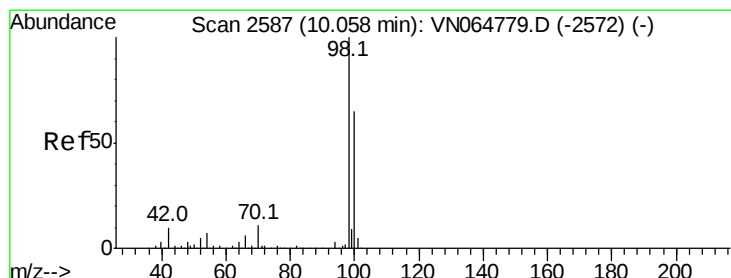
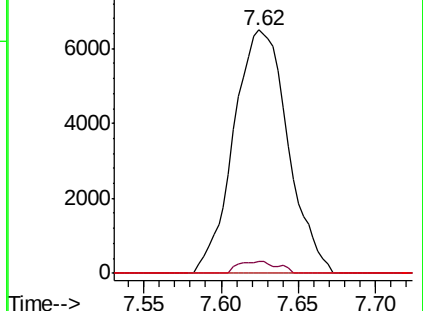
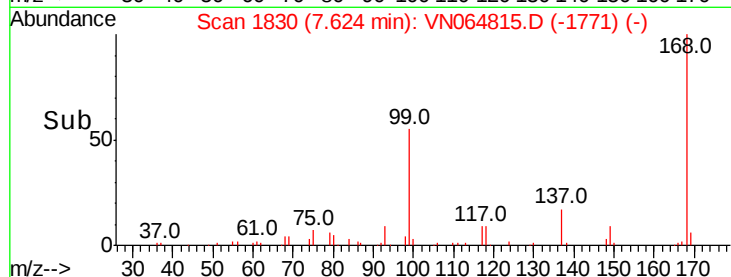
121 0.0 25.4 38.2#



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



#50

Toluene-d8

Concen: 50.263 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064815.D

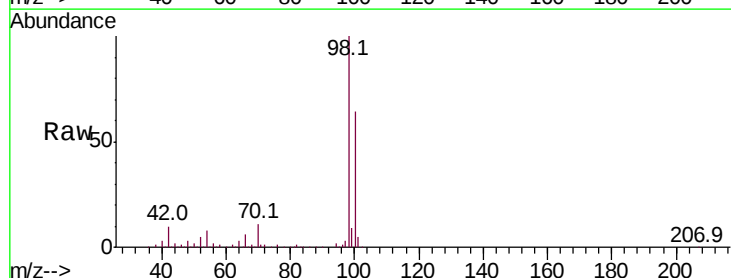
Acq: 24 Nov 2020 17:04

Tgt Ion: 98 Resp: 371109

Ion Ratio Lower Upper

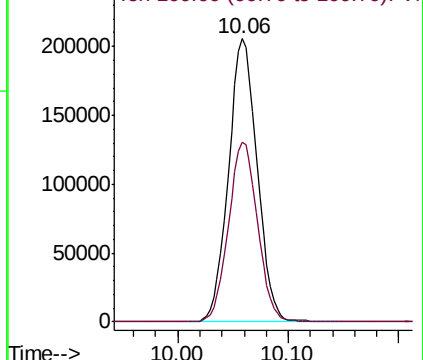
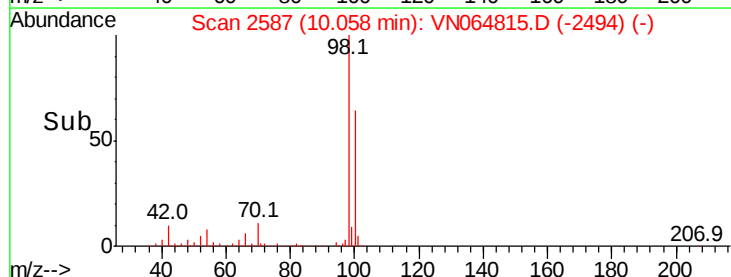
98 100

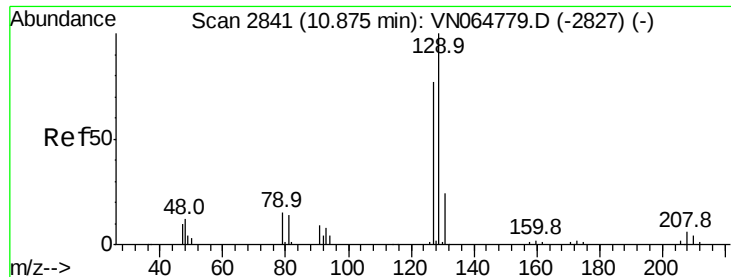
100 64.5 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN

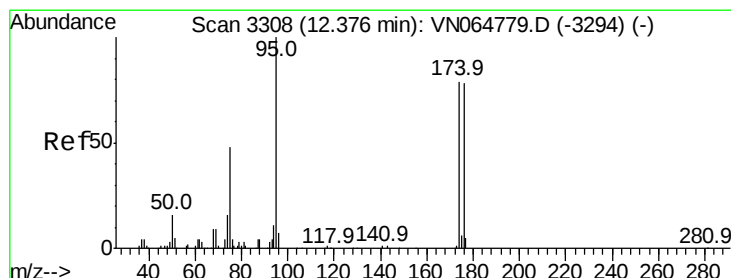
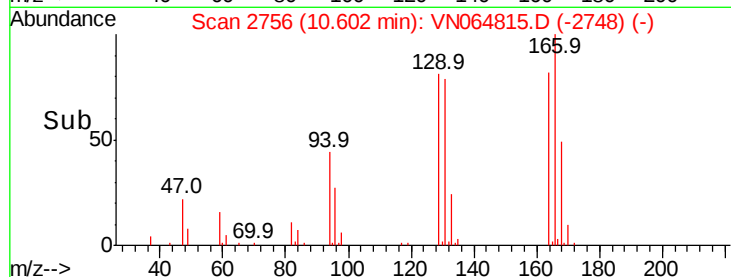
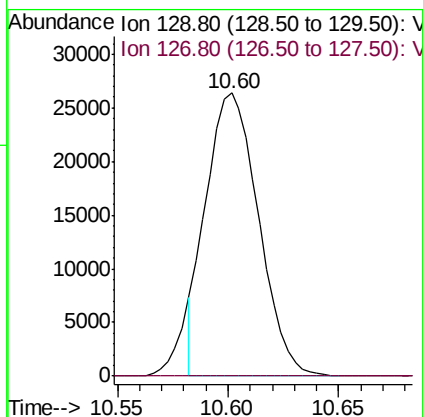
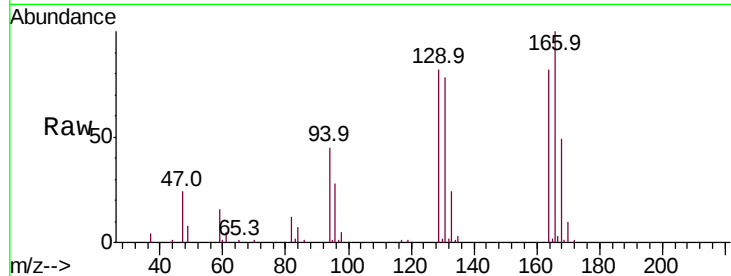




#60
Dibromochloromethane
Concen: 17.949 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.27 min
Lab File: VN064815.D
Acq: 24 Nov 2020 17:04

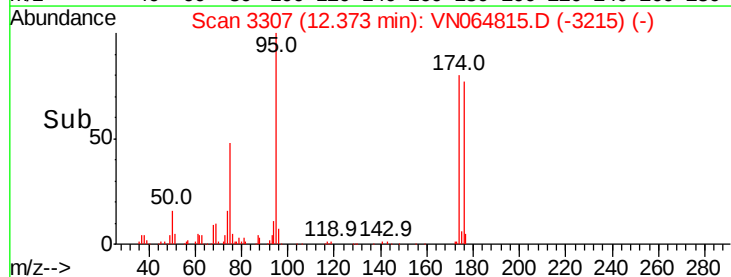
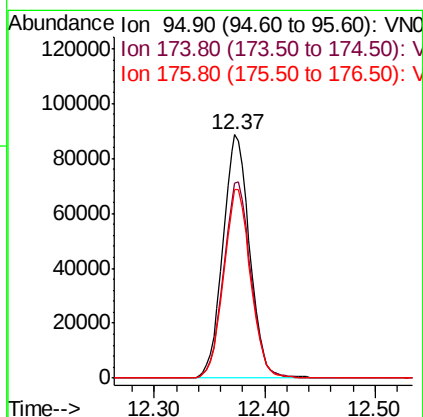
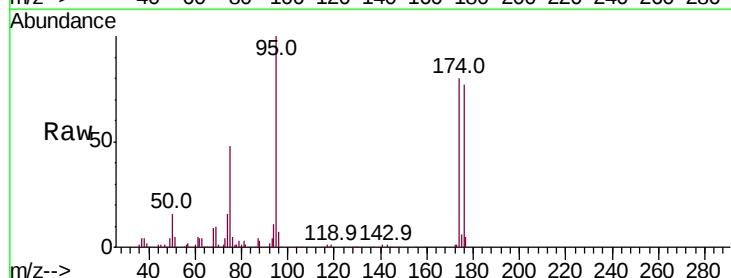
Instrument :
MSVOA_N
ClientSampleId :
MW-10D

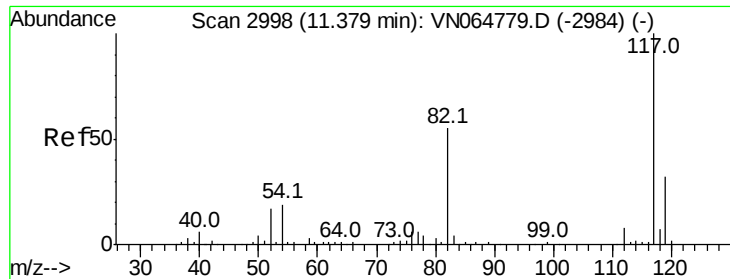
Tot Ion:129 Resp: 43338
Ion Ratio Lower Upper
129 100
127 0.0 39.1 117.2#



#62
4-Bromofluorobenzene
Concen: 56.465 ug/l
RT: 12.37 min Scan# 3307
Delta R.T. -0.00 min
Lab File: VN064815.D
Acq: 24 Nov 2020 17:04

Tgt Ion: 95 Resp: 149200
Ion Ratio Lower Upper
95 100
174 81.7 0.0 160.4
176 78.0 0.0 158.4

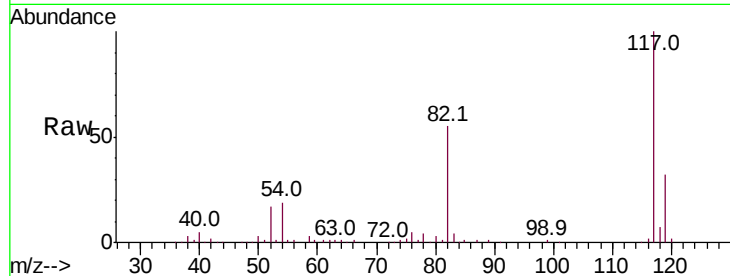




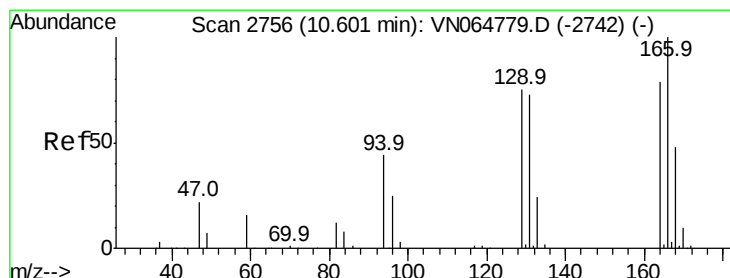
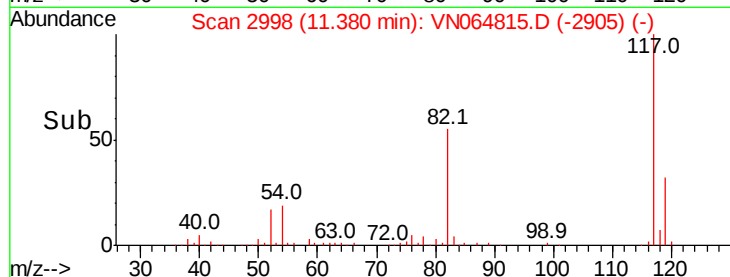
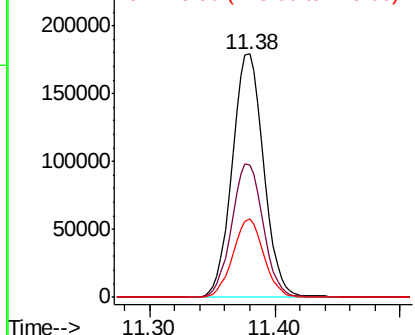
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064815.D
Acq: 24 Nov 2020 17:04

Instrument :
MSVOA_N
ClientSampleId :
MW-10D

Tot Ion:117 Resp: 312799
Ion Ratio Lower Upper
117 100
82 54.6 44.2 66.2
119 32.1 25.8 38.6

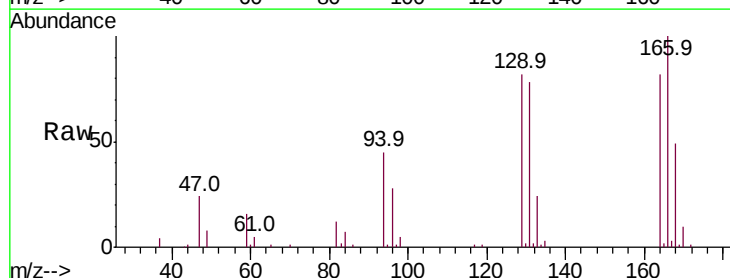


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

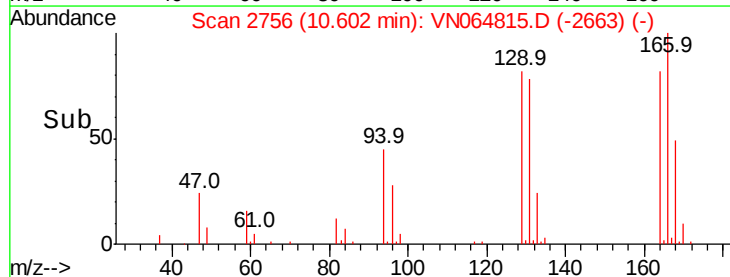
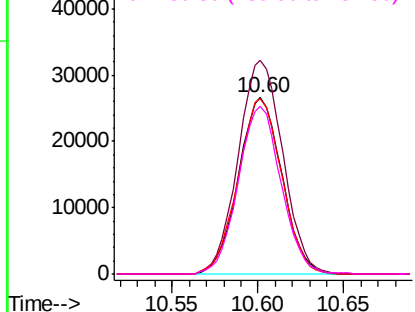


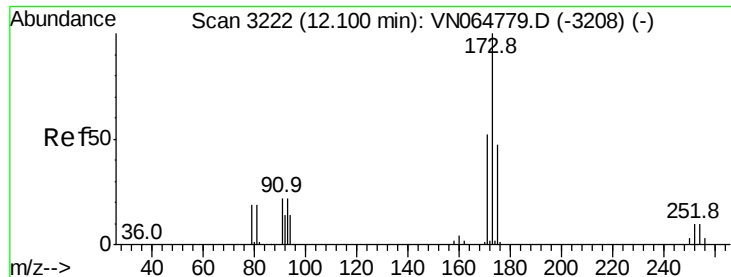
#64
Tetrachloroethene
Concen: 15.337 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064815.D
Acq: 24 Nov 2020 17:04

Tgt Ion:164 Resp: 46674
Ion Ratio Lower Upper
164 100
166 121.3 101.4 152.0
129 99.4 76.1 114.1
131 94.9 74.2 111.2



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#71

Bromoform

Concen: 0.502 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. 0.27 min

Lab File: VN064815.D

Acq: 24 Nov 2020 17:04

Instrument :

MSVOA_N

ClientSampleId :

MW-10D

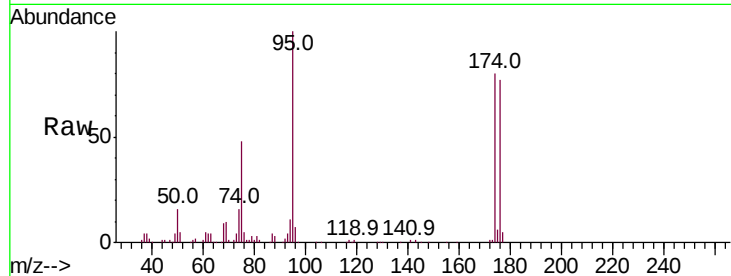
Tot Ion:173 Resp: 990

Ion Ratio Lower Upper

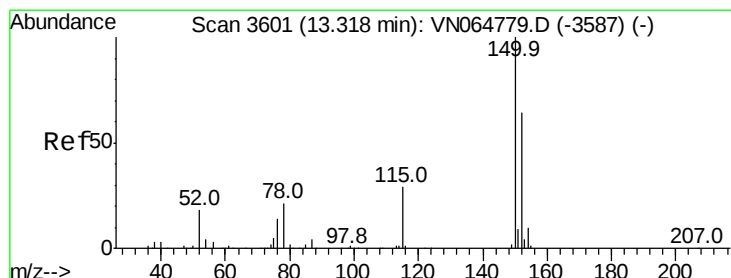
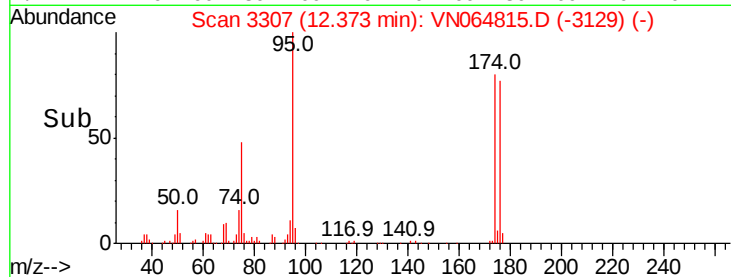
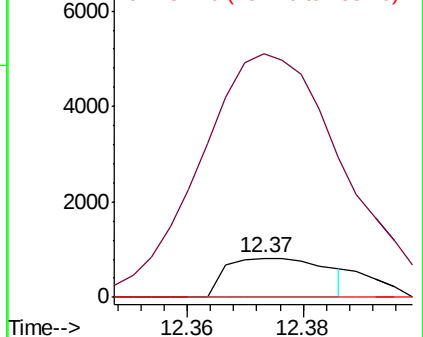
173 100

175 764.7 24.3 72.8#

254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN064815.D

Acq: 24 Nov 2020 17:04

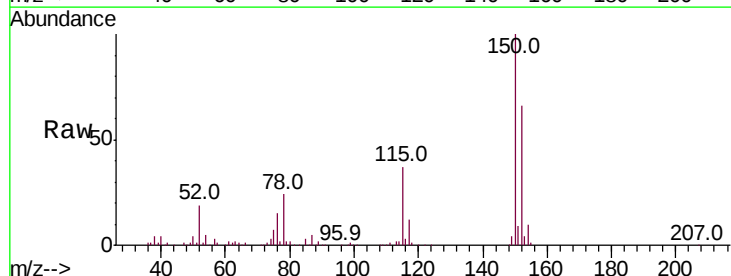
Tgt Ion:152 Resp: 146724

Ion Ratio Lower Upper

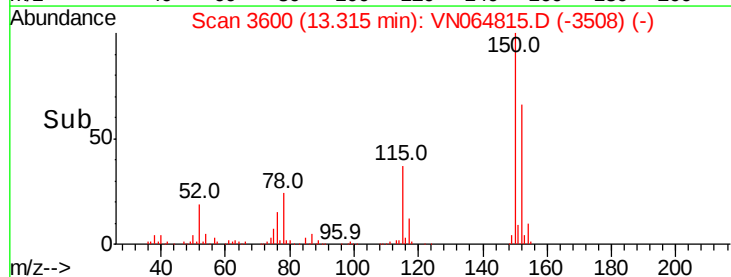
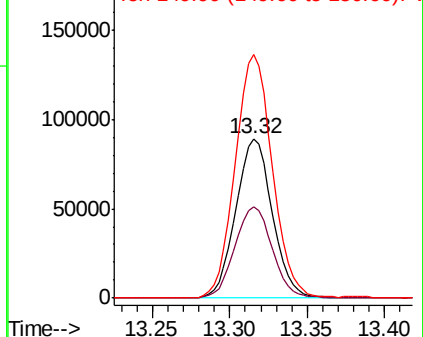
152 100

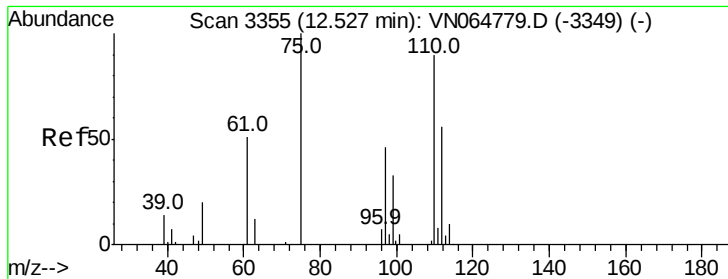
115 58.6 29.7 89.1

150 154.7 0.0 350.6



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





#76

1,2,3-Trichloropropane

Concen: 22.358 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN064815.D

Acq: 24 Nov 2020 17:04

Instrument :

MSVOA_N

ClientSampled :

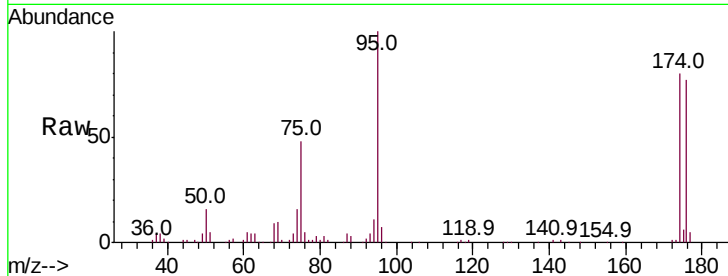
MW-10D

Tot Ion: 75 Resp: 70647

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#

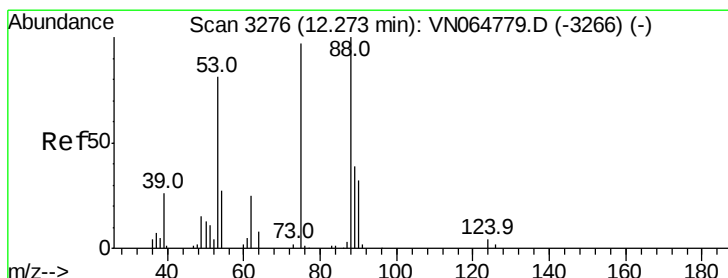
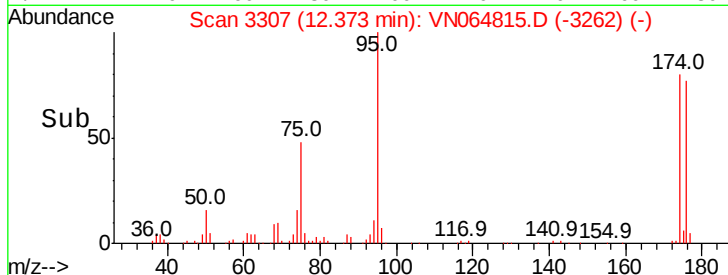


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO

12.37

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 61.278 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN064815.D

Acq: 24 Nov 2020 17:04

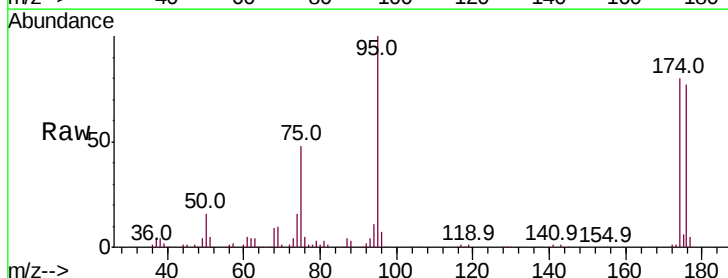
Tgt Ion: 75 Resp: 70647

Ion Ratio Lower Upper

75 100

53 0.0 67.0 100.4#

89 0.0 39.6 59.4#



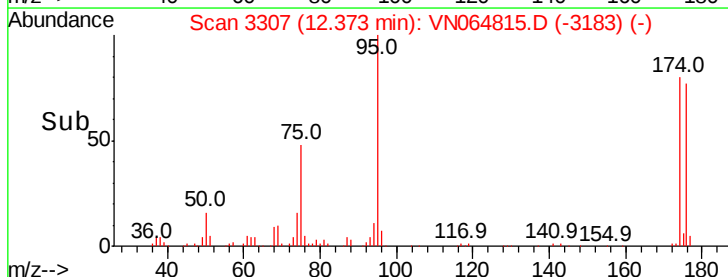
Abundance Ion 74.90 (74.60 to 75.60): VNO

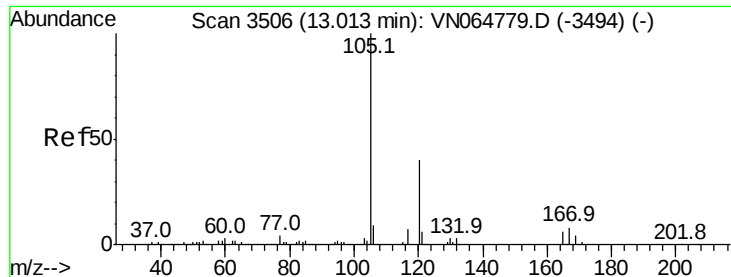
Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

12.37

Time-->

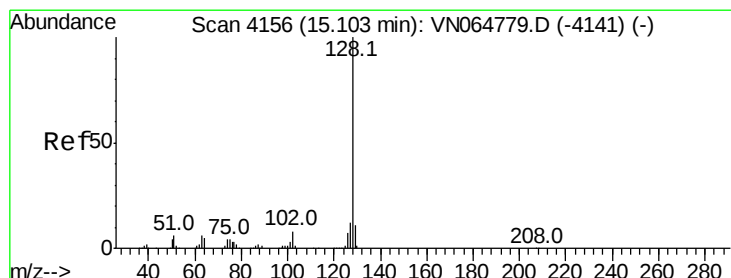
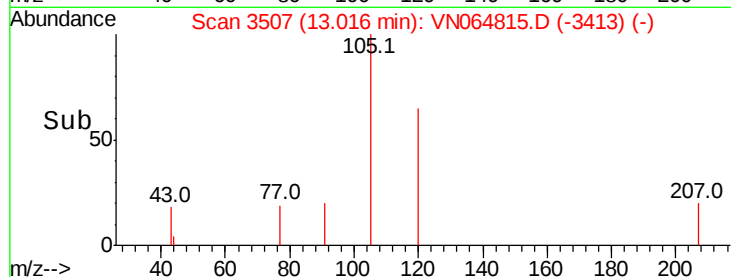
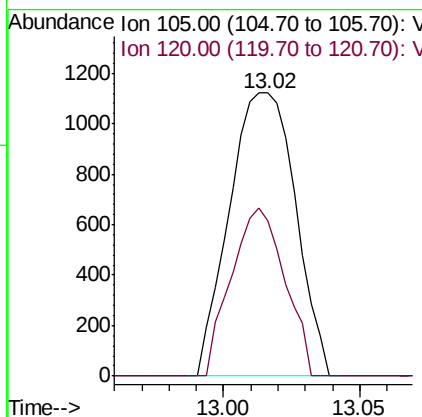
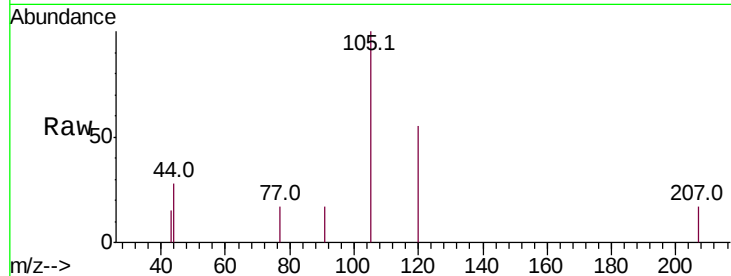




#84
 1,2,4-Trimethylbenzene
 Concen: 0.220 ug/l
 RT: 13.02 min Scan# 3507
 Delta R.T. 0.00 min
 Lab File: VN064815.D
 Acq: 24 Nov 2020 17:04

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-10D

Tot Ion:105 Resp: 1891
 Ion Ratio Lower Upper
 105 100
 120 48.1 23.1 69.2



#95
 Naphthalene
 Concen: 2.702 ug/l
 RT: 15.10 min Scan# 4156
 Delta R.T. 0.00 min
 Lab File: VN064815.D
 Acq: 24 Nov 2020 17:04

Tgt Ion:128 Resp: 24032
 Ion Ratio Lower Upper
 128 100
 127 12.4 10.3 15.5
 129 10.4 8.7 13.1

