

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112320\
 Data File : VN064794.D
 Acq On : 23 Nov 2020 19:35
 Operator : JC/MD
 Sample : L4829-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-16D

Quant Time: Nov 24 03:24:26 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	149477	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	269293	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	283584	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	130824	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	98053	56.42	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	112.84%
35) Dibromofluoromethane	7.55	113	86278	53.54	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	107.08%
50) Toluene-d8	10.06	98	340890	51.78	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	103.56%
62) 4-Bromofluorobenzene	12.38	95	130600	55.43	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	110.86%

Target Compounds

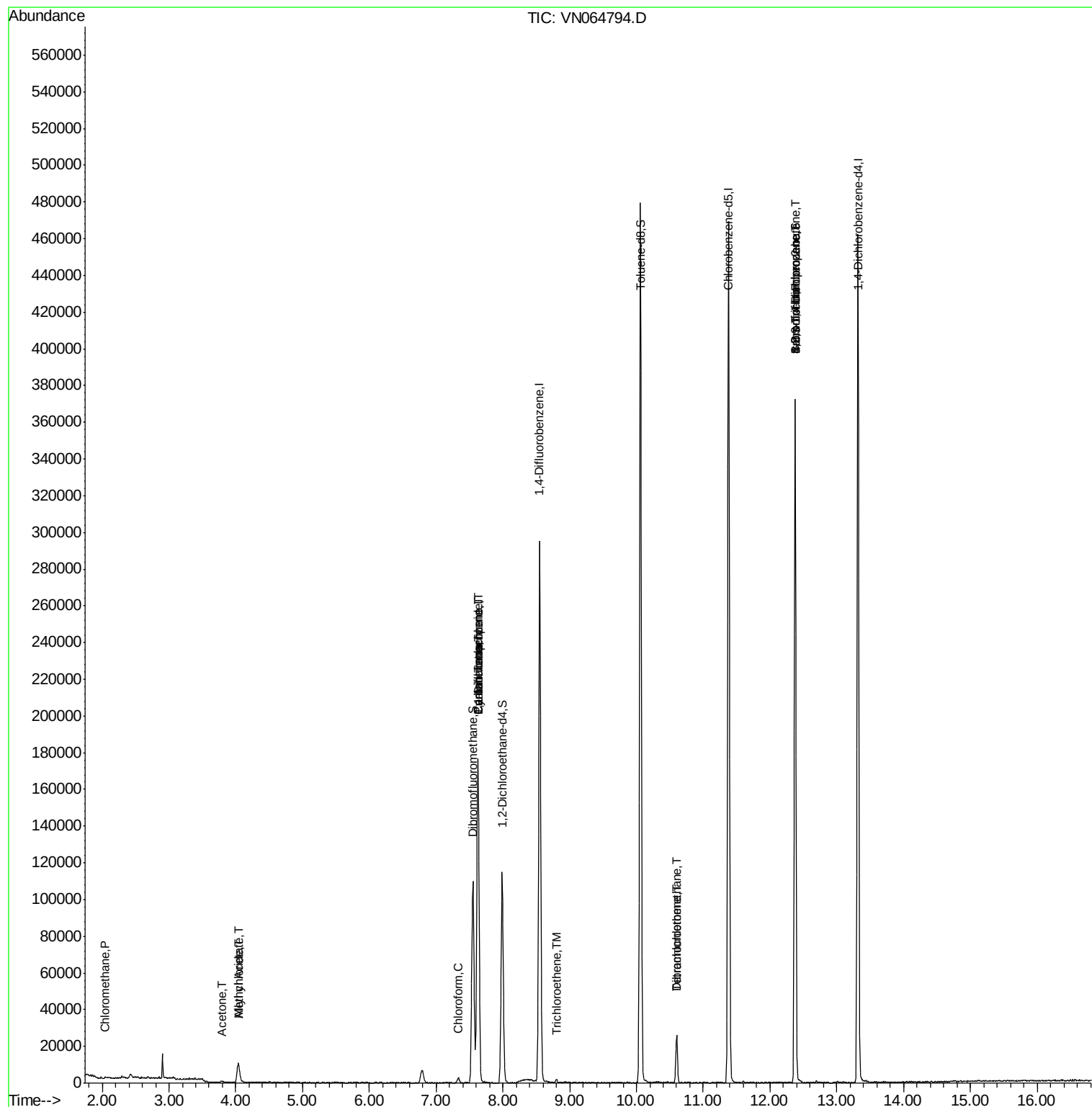
					Qvalue	
3) Chloromethane	2.04	50	442	0.263	ug/l #	41
14) Allyl chloride	4.04	41	1413	0.591	ug/l #	66
16) Acetone	3.79	43	1409	2.467	ug/l #	82
18) Methyl Acetate	4.04	43	4574	2.663	ug/l #	50
30) Chloroform	7.33	83	3285	1.114	ug/l	98
31) Cyclohexane	7.63	56	2639	1.090	ug/l #	12
36) 1,1-Dichloropropene	7.63	75	10815	4.333	ug/l #	45
38) Carbon Tetrachloride	7.63	117	13823	5.322	ug/l #	17
44) Trichloroethene	8.80	130	552	0.245	ug/l	70
60) Dibromochloromethane	10.60	129	5675	2.636	ug/l #	10
64) Tetrachloroethene	10.60	164	6487	2.351	ug/l	91
71) Bromoform	12.38	173	894	0.500	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	62057	22.026	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	62057	60.369	ug/l #	15

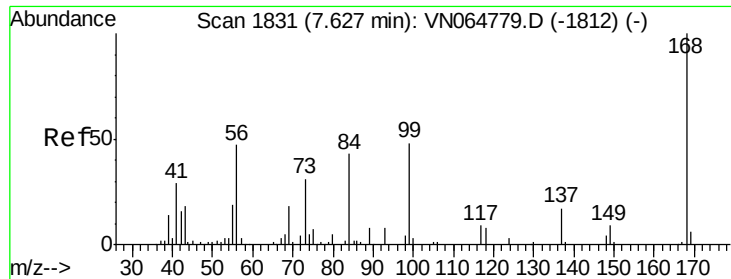
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN064794.D

Acq: 23 Nov 2020 19:35

Instrument :

MSVOA_N

ClientSampleId :

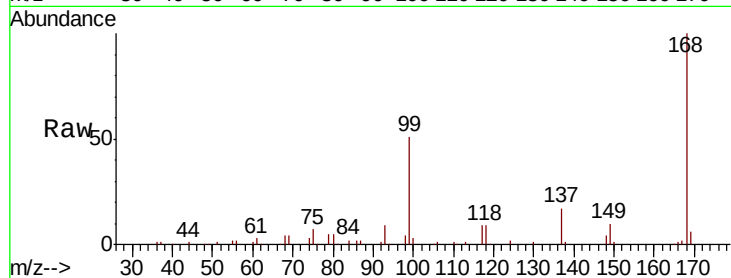
MW-16D

Tot Ion:168 Resp: 149477

Ion Ratio Lower Upper

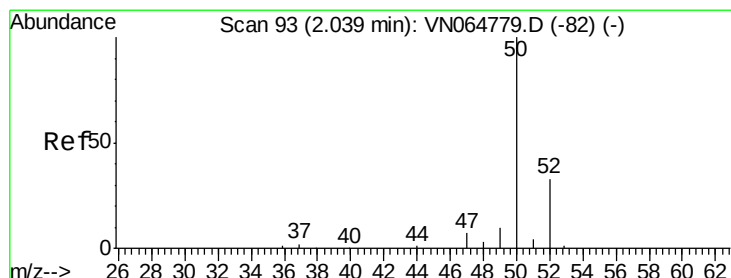
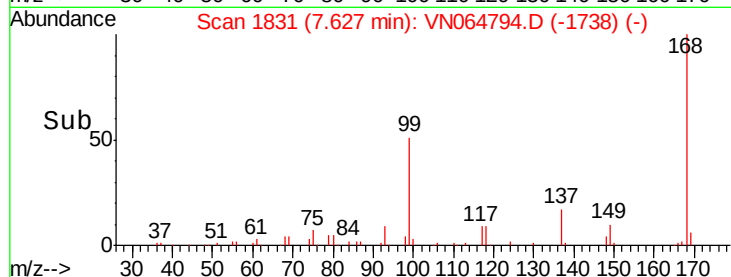
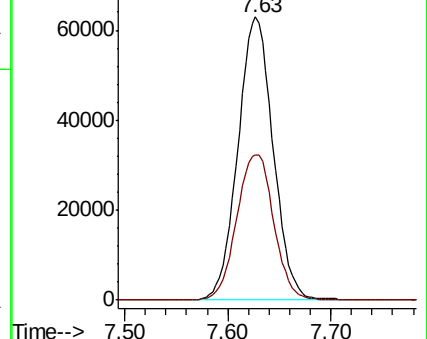
168 100

99 51.5 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#3

Chloromethane

Concen: 0.263 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064794.D

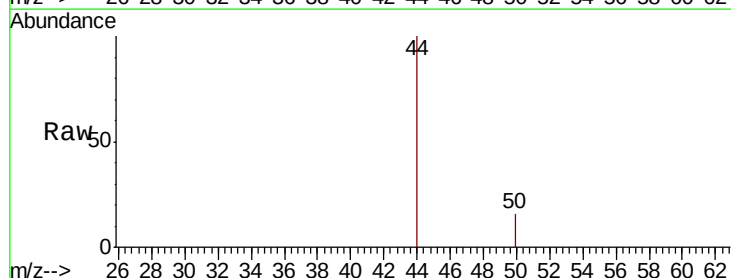
Acq: 23 Nov 2020 19:35

Tgt Ion: 50 Resp: 442

Ion Ratio Lower Upper

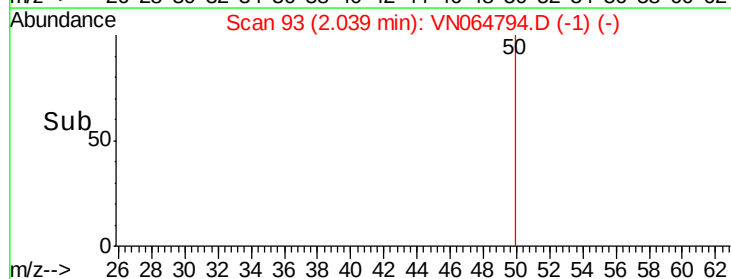
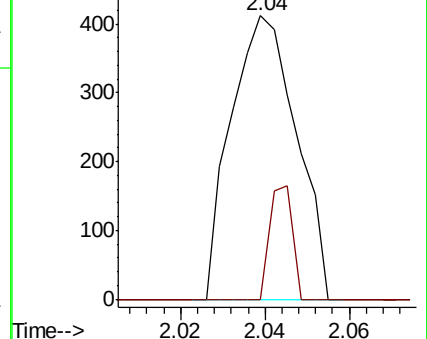
50 100

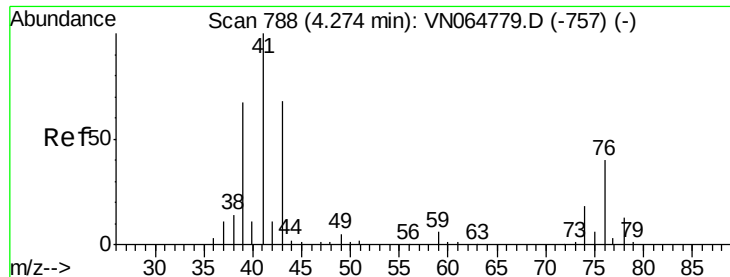
52 0.0 26.6 39.8#



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN





#14

Allvl chloride

Concen: 0.591 ug/l

RT: 4.04 min Scan# 714

Delta R.T. -0.24 min

Lab File: VN064794.D

Acq: 23 Nov 2020 19:35

Instrument :

MSVOA_N

ClientSampleId :

MW-16D

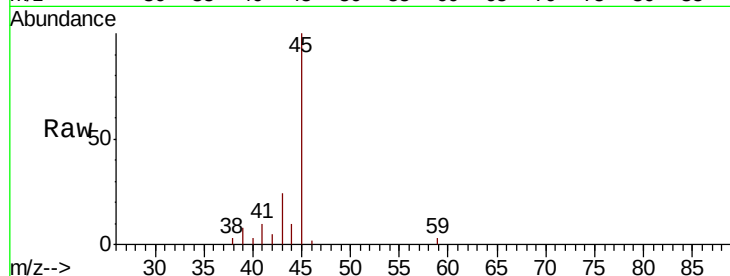
Tot Ion: 41 Resp: 1413

Ion Ratio Lower Upper

41 100

39 48.9 50.9 76.3#

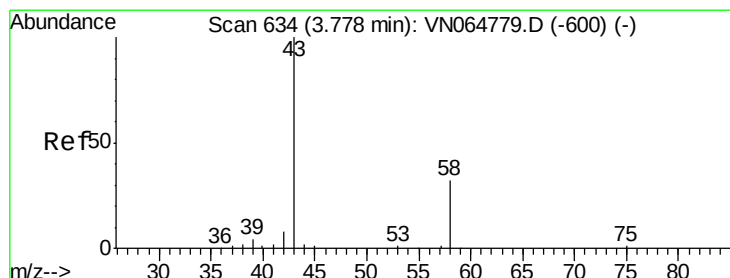
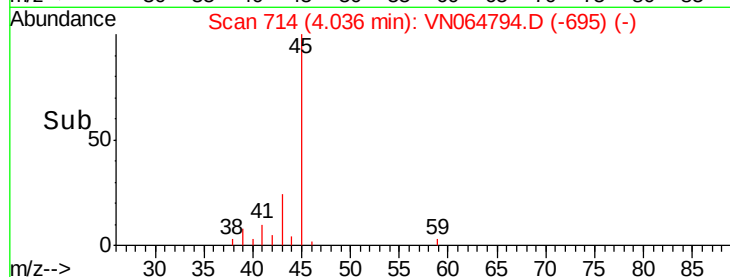
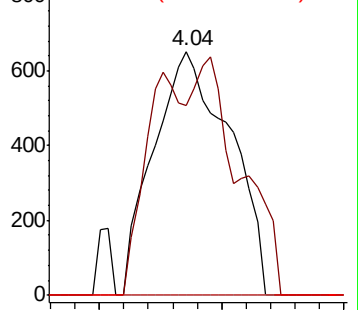
76 0.0 29.0 43.4#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0



#16

Acetone

Concen: 2.467 ug/l

RT: 3.79 min Scan# 639

Delta R.T. 0.02 min

Lab File: VN064794.D

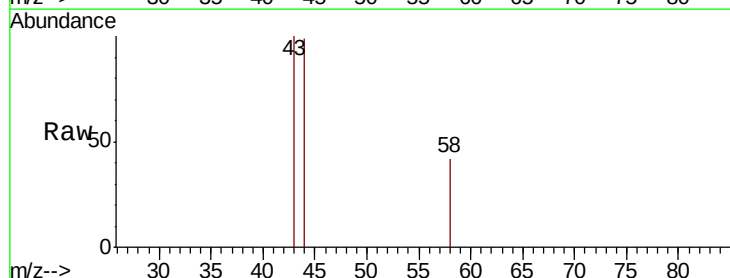
Acq: 23 Nov 2020 19:35

Tgt Ion: 43 Resp: 1409

Ion Ratio Lower Upper

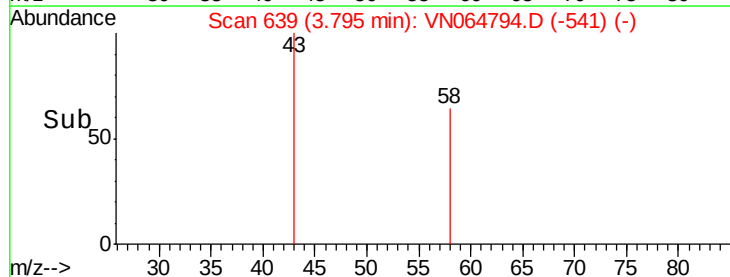
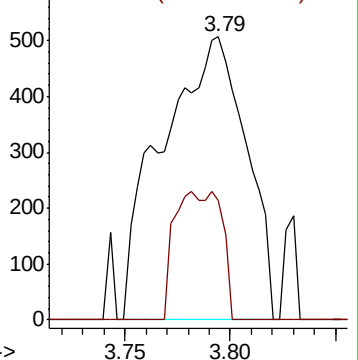
43 100

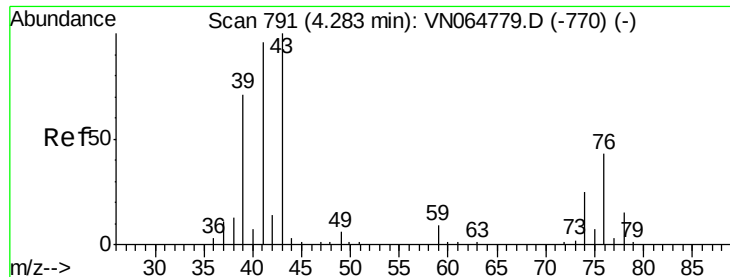
58 42.0 25.7 38.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

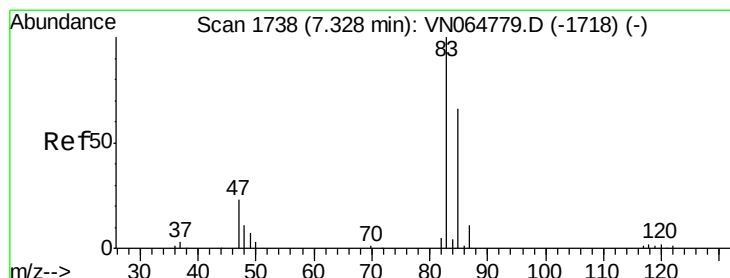
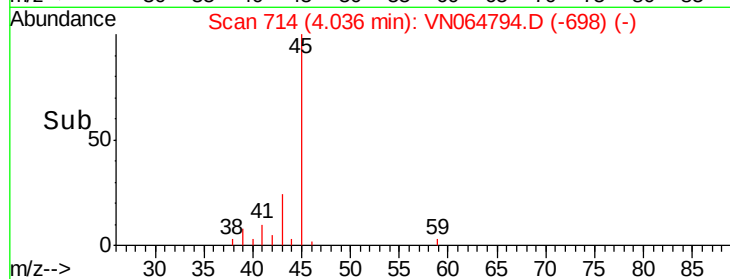
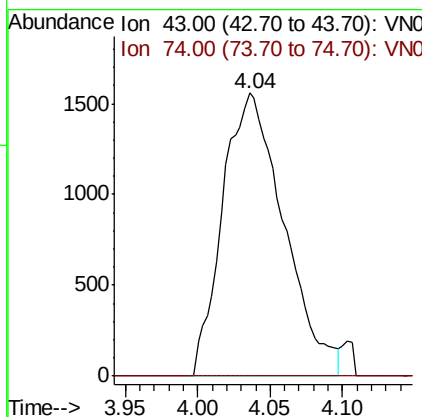
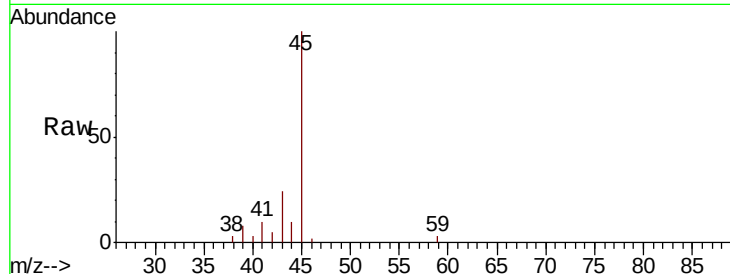




#18
Methvl Acetate
Concen: 2.663 ug/l
RT: 4.04 min Scan# 714
Delta R.T. -0.25 min
Lab File: VN064794.D
Acq: 23 Nov 2020 19:35

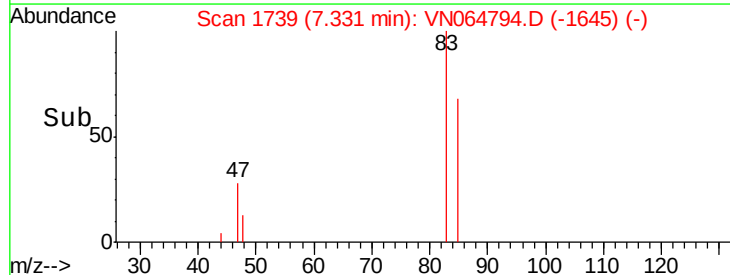
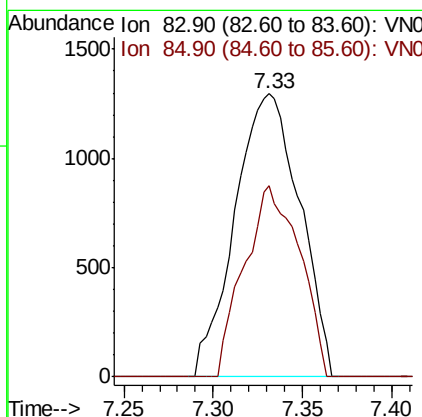
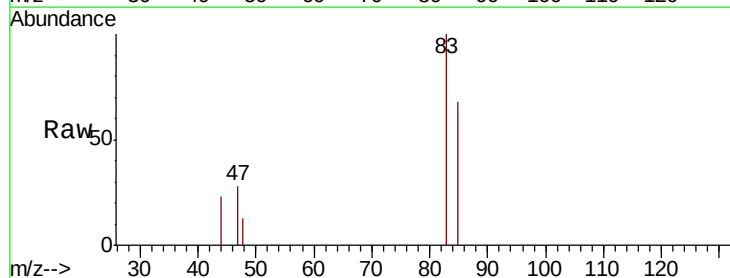
Instrument :
MSVOA_N
ClientSampled :
MW-16D

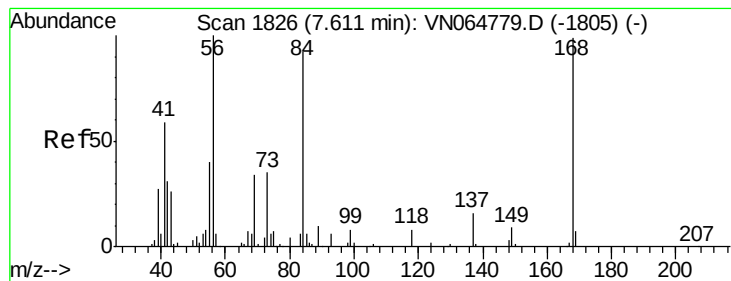
Tot Ion: 43 Resp: 4574
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.2#



#30
Chloroform
Concen: 1.114 ug/l
RT: 7.33 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VN064794.D
Acq: 23 Nov 2020 19:35

Tgt Ion: 83 Resp: 3285
Ion Ratio Lower Upper
83 100
85 67.5 52.6 78.8





#31

Cyclohexane

Concen: 1.090 ug/l

RT: 7.63 min Scan# 1832

Delta R.T. 0.02 min

Lab File: VN064794.D

Acq: 23 Nov 2020 19:35

Instrument :

MSVOA_N

ClientSampled :

MW-16D

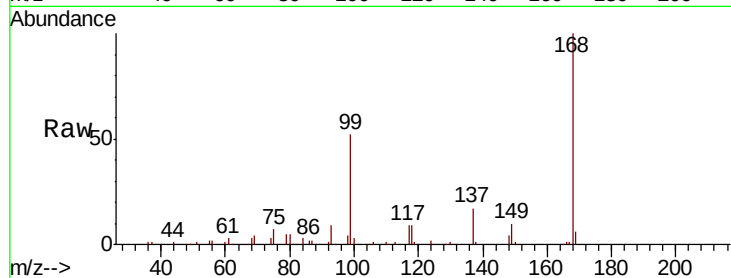
Tot Ion: 56 Resp: 2639

Ion Ratio Lower Upper

56 100

69 179.1 27.5 41.3#

84 118.7 73.9 110.9#

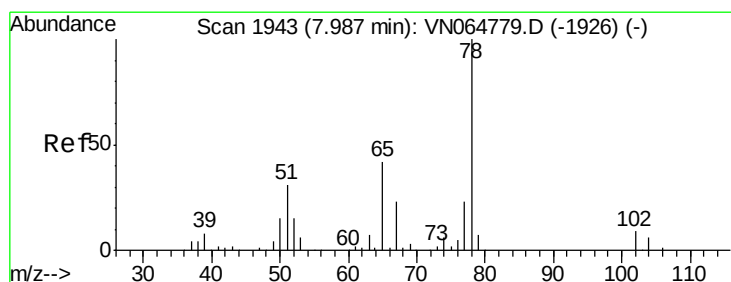
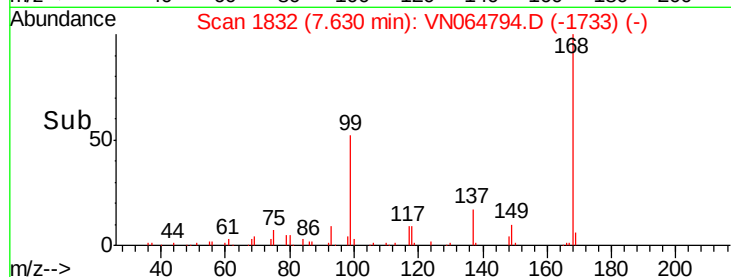
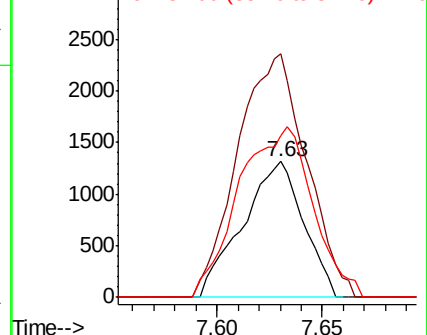


Abundance

Ion 56.00 (55.70 to 56.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 84.00 (83.70 to 84.70): VNO



#33

1,2-Dichloroethane-d4

Concen: 56.425 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN064794.D

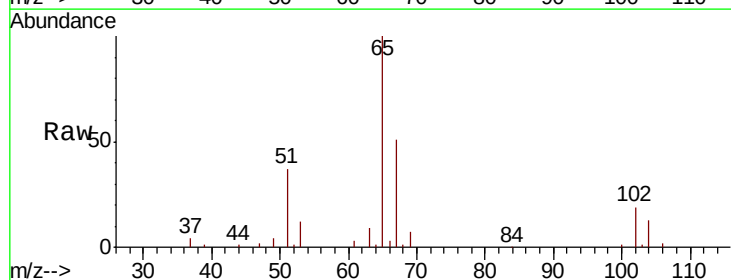
Acq: 23 Nov 2020 19:35

Tgt Ion: 65 Resp: 98053

Ion Ratio Lower Upper

65 100

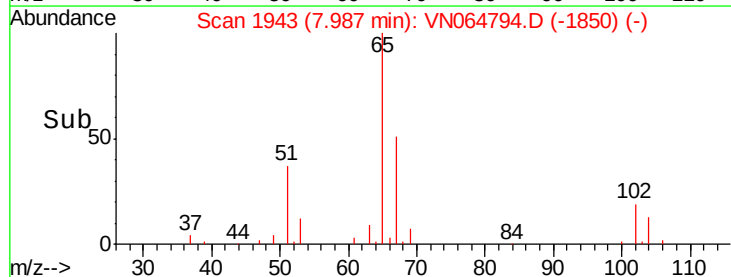
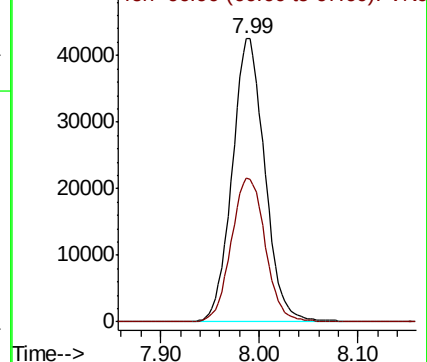
67 52.7 0.0 108.2

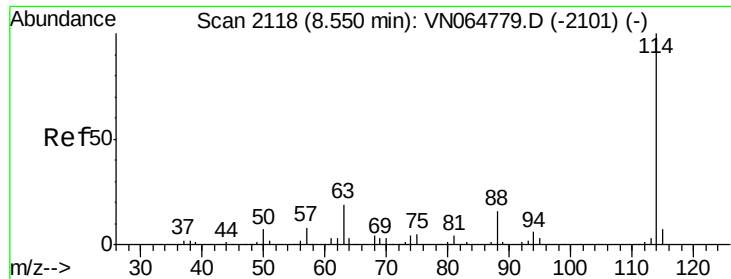


Abundance

Ion 64.90 (64.60 to 65.60): VNO

Ion 66.90 (66.60 to 67.60): VNO

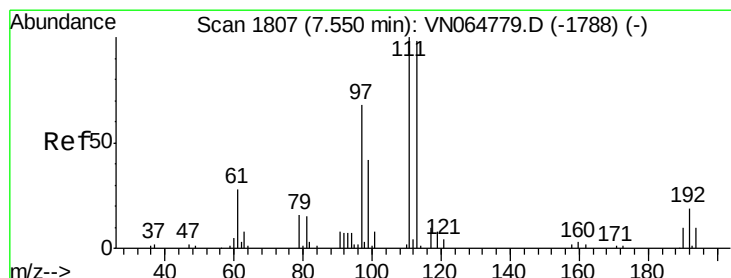
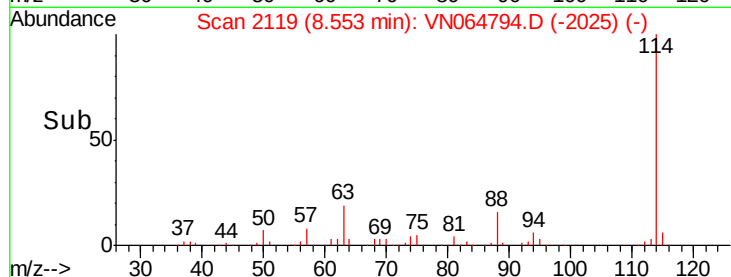
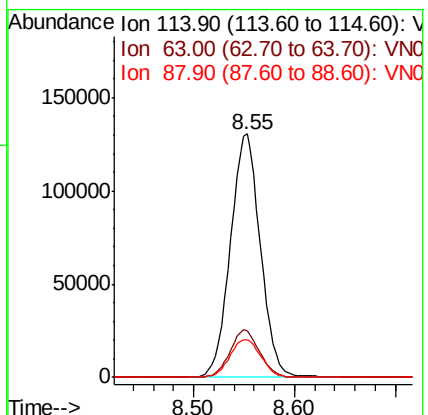
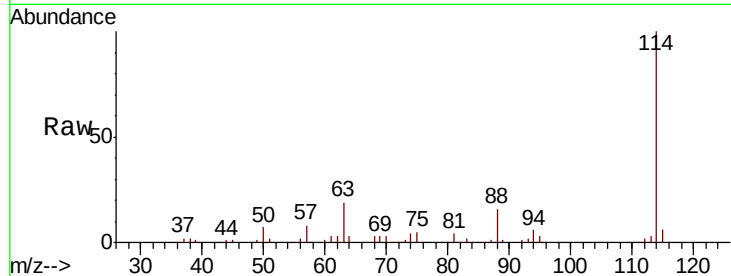




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN064794.D
 Acq: 23 Nov 2020 19:35

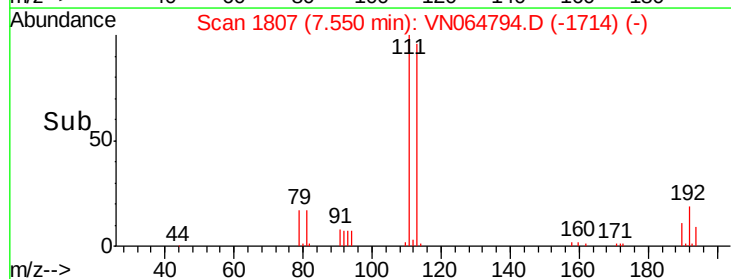
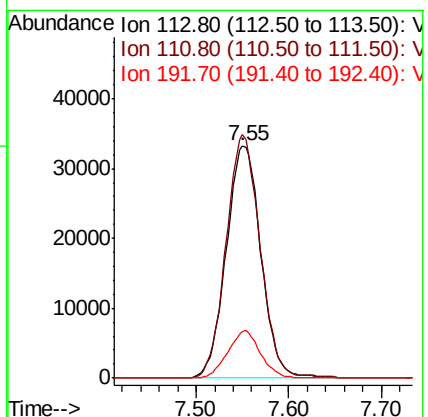
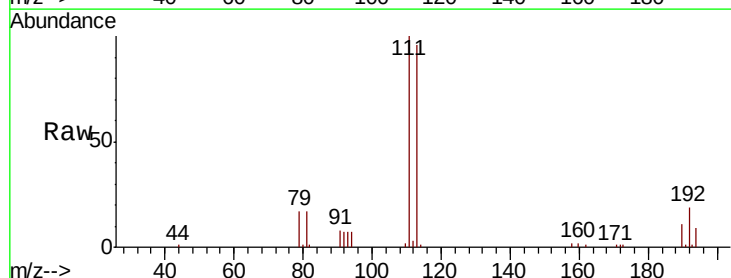
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-16D

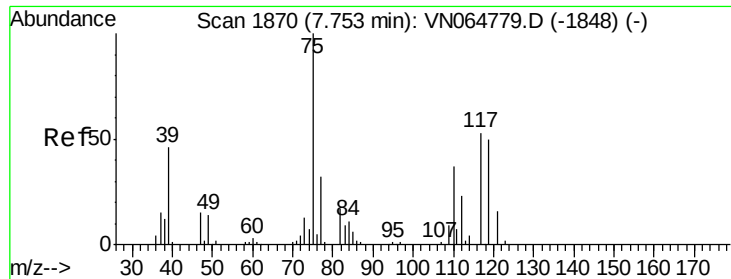
Tot Ion:114 Resp: 269293
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 38.6
 88 15.7 0.0 32.6



#35
 Dibromofluoromethane
 Concen: 53.543 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064794.D
 Acq: 23 Nov 2020 19:35

Tgt Ion:113 Resp: 86278
 Ion Ratio Lower Upper
 113 100
 111 101.9 81.6 122.4
 192 19.1 16.2 24.2

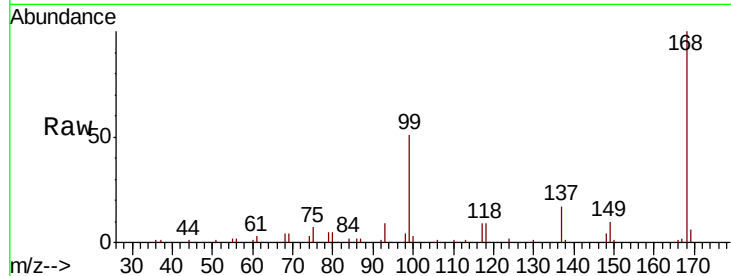




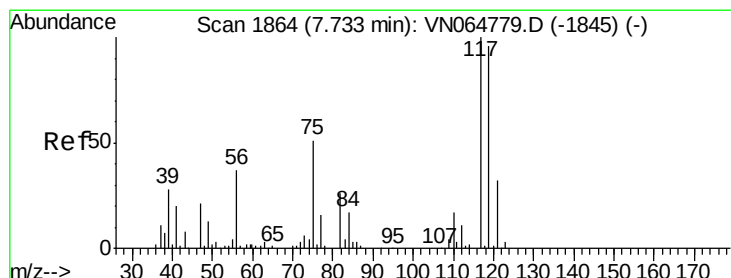
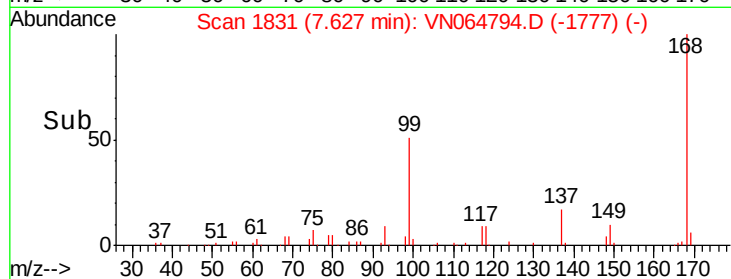
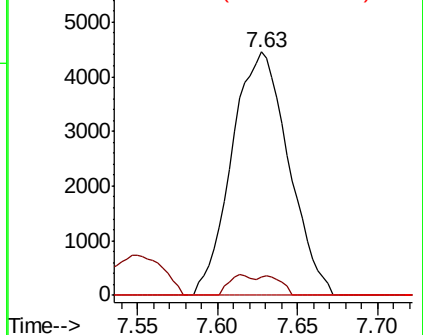
#36
 1,1-Dichloropropene
 Concen: 4.333 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN064794.D
 Acq: 23 Nov 2020 19:35

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-16D

Tot Ion: 75 Resp: 10815
 Ion Ratio Lower Upper
 75 100
 110 3.7 17.8 53.3#
 77 0.0 25.0 37.4#

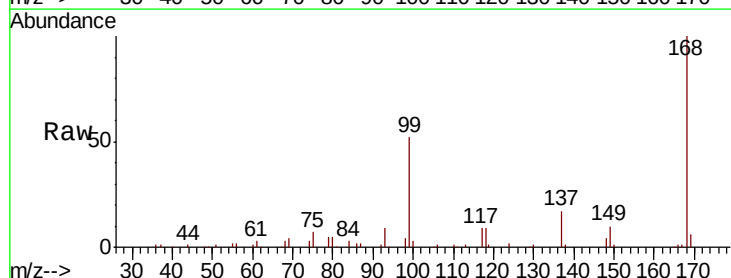


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

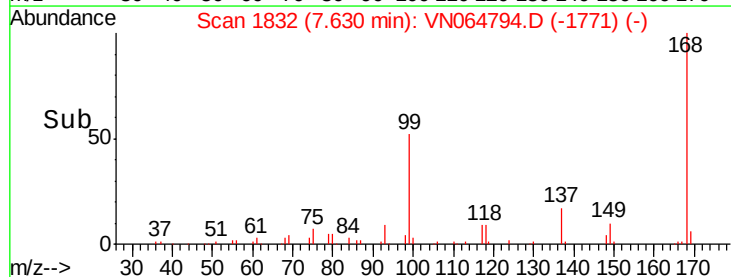
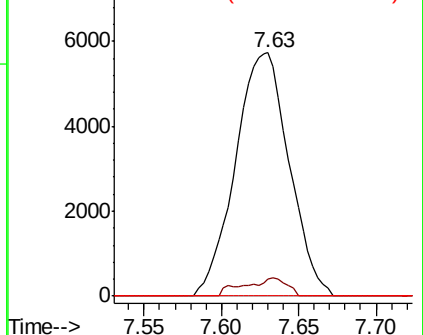


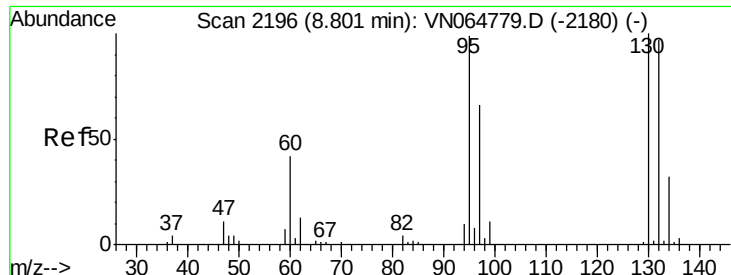
#38
 Carbon Tetrachloride
 Concen: 5.322 ug/l
 RT: 7.63 min Scan# 1832
 Delta R.T. -0.10 min
 Lab File: VN064794.D
 Acq: 23 Nov 2020 19:35

Tgt Ion: 117 Resp: 13823
 Ion Ratio Lower Upper
 117 100
 119 6.8 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





#44

Trichloroethene

Concen: 0.245 ug/l

RT: 8.80 min Scan# 2195

Delta R.T. -0.00 min

Lab File: VN064794.D

Acq: 23 Nov 2020 19:35

Instrument :

MSVOA_N

ClientSampleId :

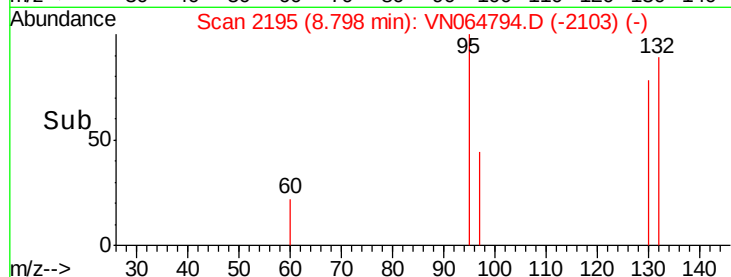
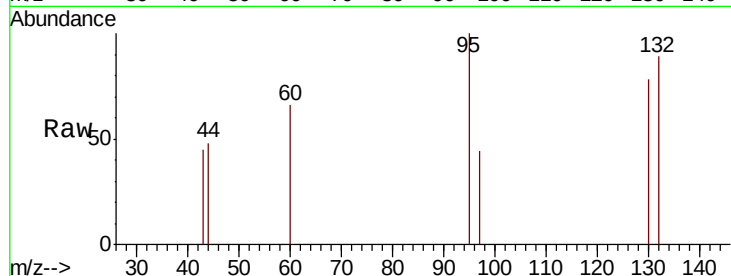
MW-16D

Tot Ion:130 Resp: 552

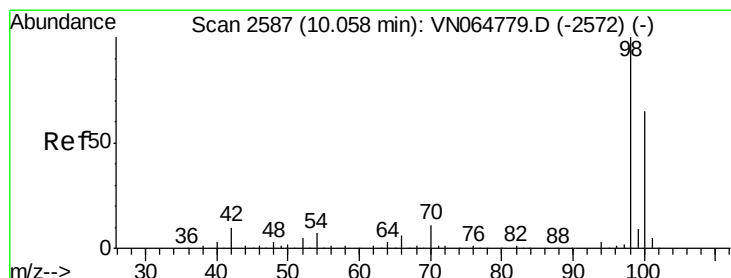
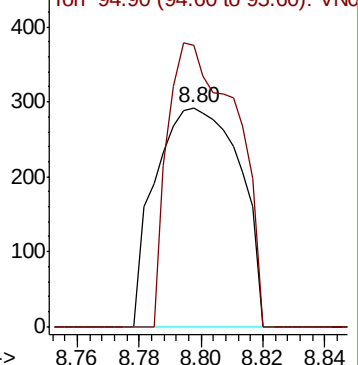
Ion Ratio Lower Upper

130 100

95 128.4 0.0 197.8



Abundance Ion 129.80 (129.50 to 130.50): VN064794.D (-2103) (-)



#50

Toluene-d8

Concen: 51.776 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN064794.D

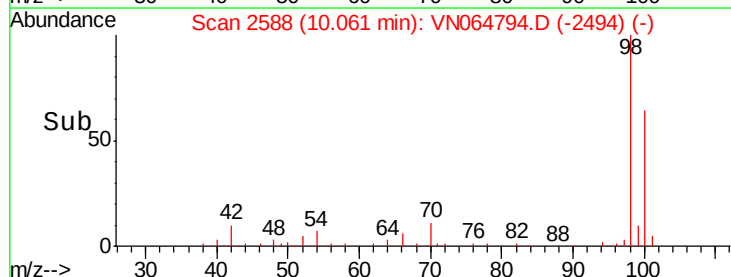
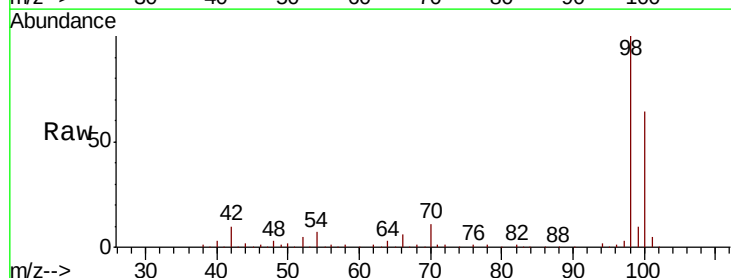
Acq: 23 Nov 2020 19:35

Tgt Ion: 98 Resp: 340890

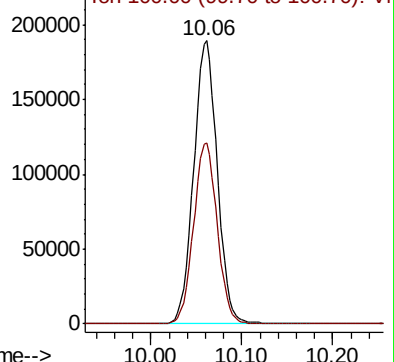
Ion Ratio Lower Upper

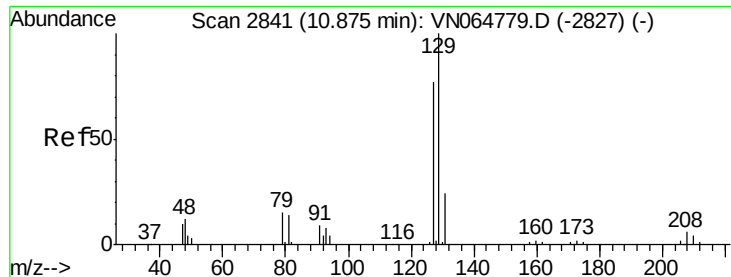
98 100

100 63.9 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN064794.D (-2494) (-)

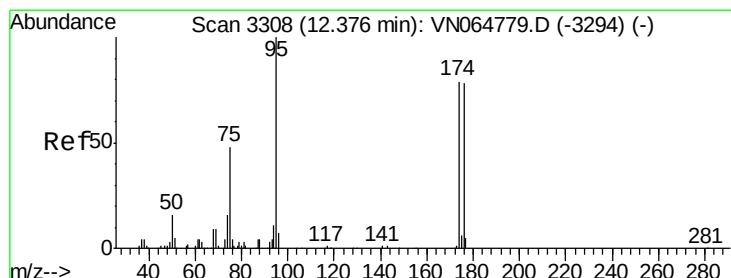
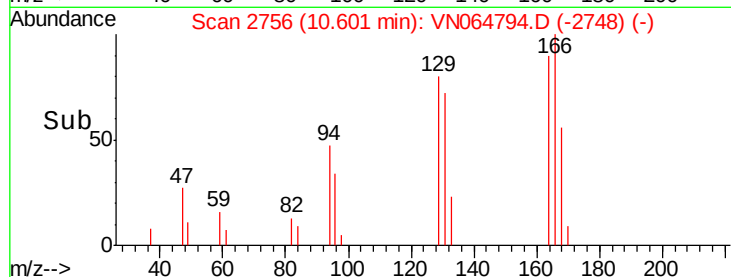
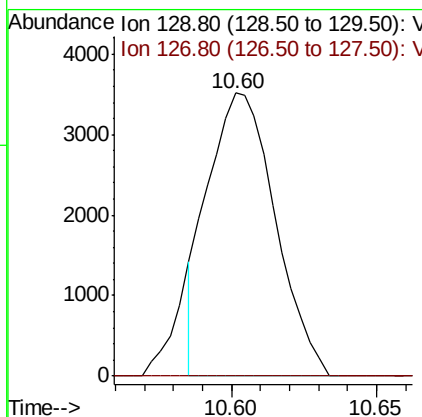
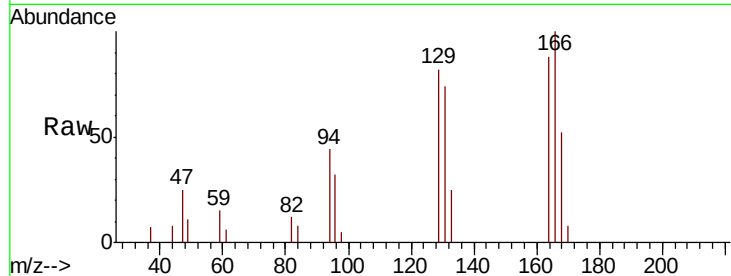




#60
 Dibromochloromethane
 Concen: 2.636 ug/l
 RT: 10.60 min Scan# 2756
 Delta R.T. -0.27 min
 Lab File: VN064794.D
 Acq: 23 Nov 2020 19:35

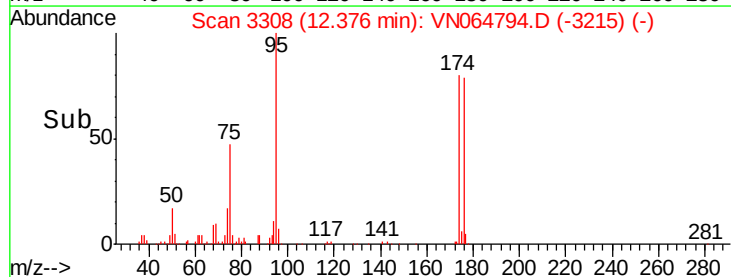
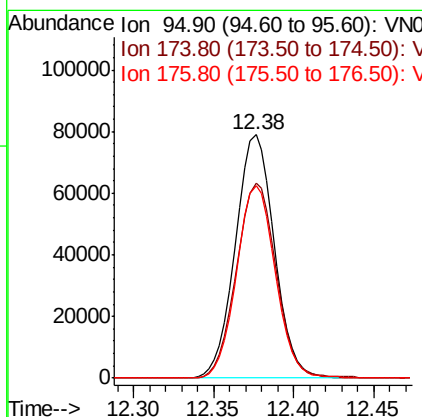
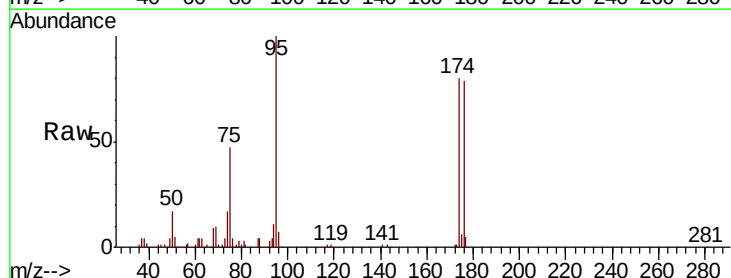
Instrument :
 MSVOA_N
 ClientSampled :
 MW-16D

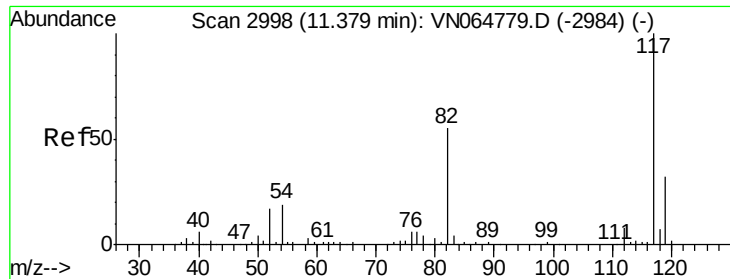
Tot Ion:129 Resp: 5675
 Ion Ratio Lower Upper
 129 100
 127 0.0 39.1 117.2#



#62
 4-Bromofluorobenzene
 Concen: 55.427 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN064794.D
 Acq: 23 Nov 2020 19:35

Tgt Ion: 95 Resp: 130600
 Ion Ratio Lower Upper
 95 100
 174 81.9 0.0 160.4
 176 79.1 0.0 158.4

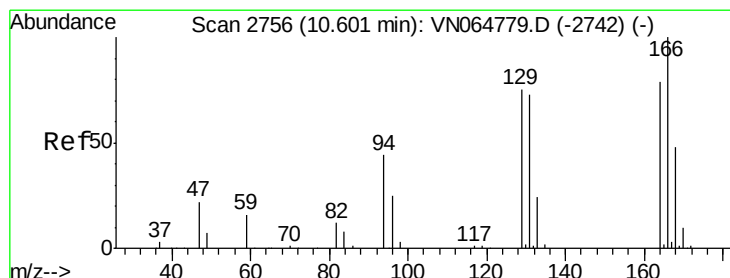
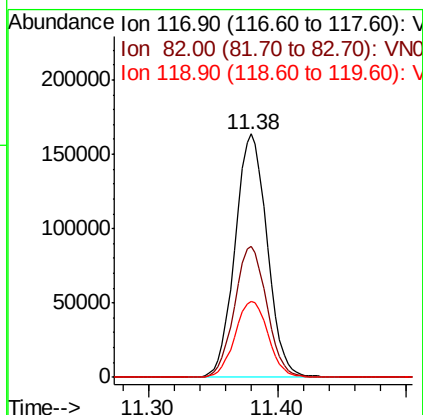
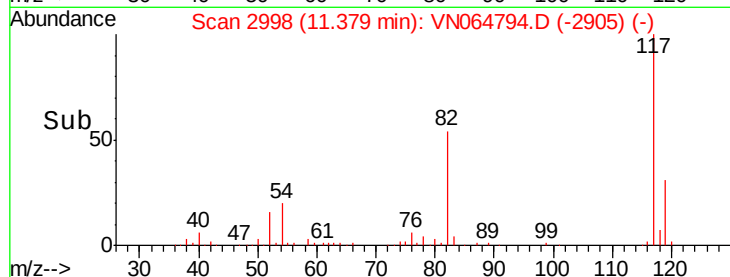
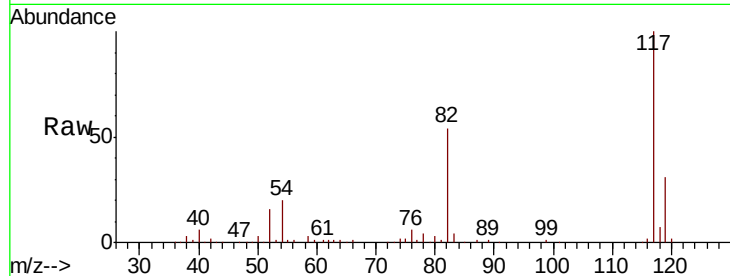




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064794.D
Acq: 23 Nov 2020 19:35

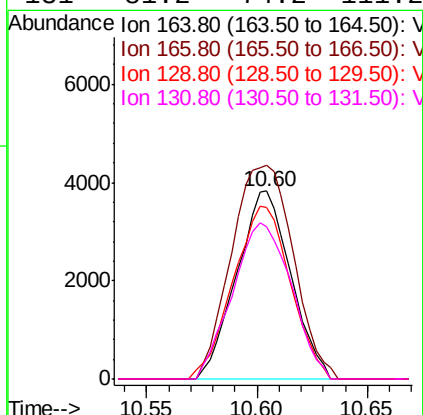
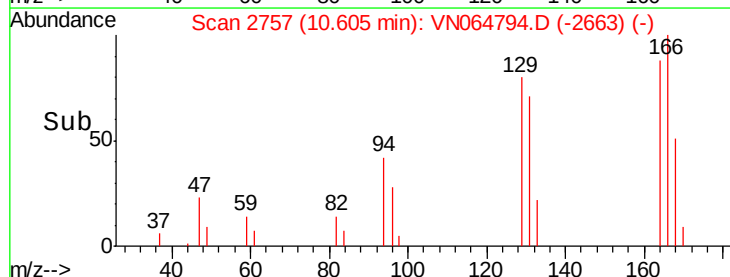
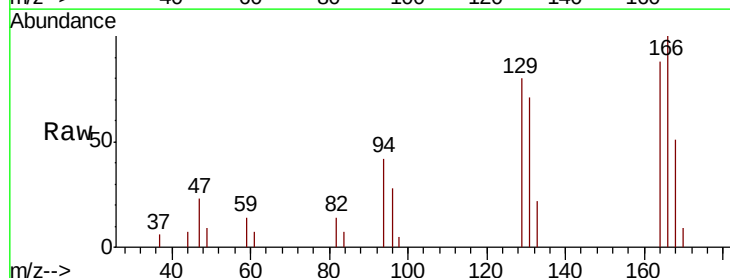
Instrument :
MSVOA_N
ClientSampled :
MW-16D

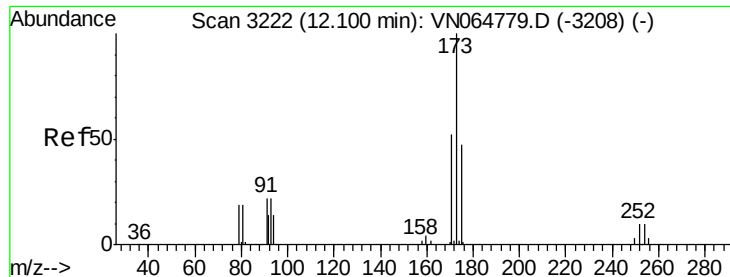
Tot Ion:117 Resp: 283584
Ion Ratio Lower Upper
117 100
82 53.9 44.2 66.2
119 31.1 25.8 38.6



#64
Tetrachloroethene
Concen: 2.351 ug/l
RT: 10.60 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VN064794.D
Acq: 23 Nov 2020 19:35

Tgt Ion:164 Resp: 6487
Ion Ratio Lower Upper
164 100
166 113.7 101.4 152.0
129 91.4 76.1 114.1
131 81.2 74.2 111.2





#71

Bromoform

Concen: 0.500 ug/l

RT: 12.38 min Scan# 3309

Delta R.T. 0.28 min

Lab File: VN064794.D

Acq: 23 Nov 2020 19:35

Instrument :

MSVOA_N

ClientSampleId :

MW-16D

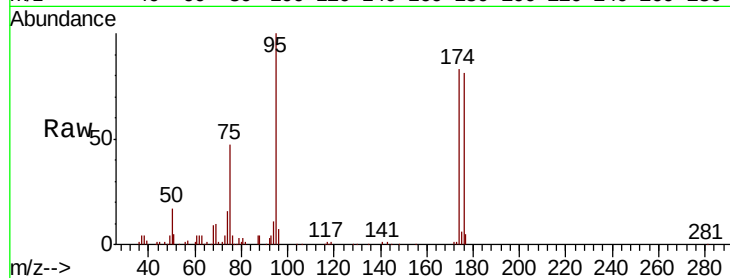
Tot Ion:173 Resp: 894

Ion Ratio Lower Upper

173 100

175 739.5 24.3 72.8#

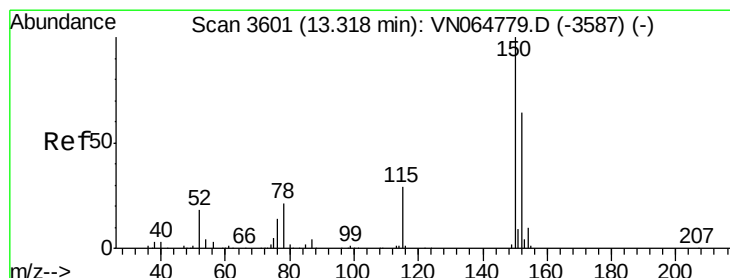
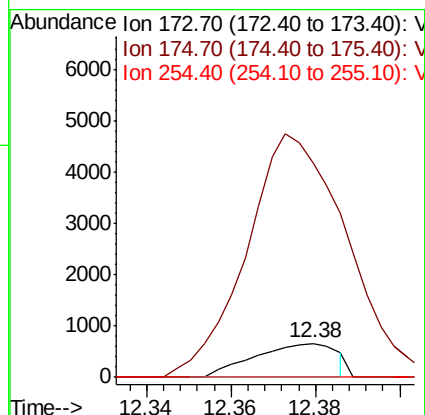
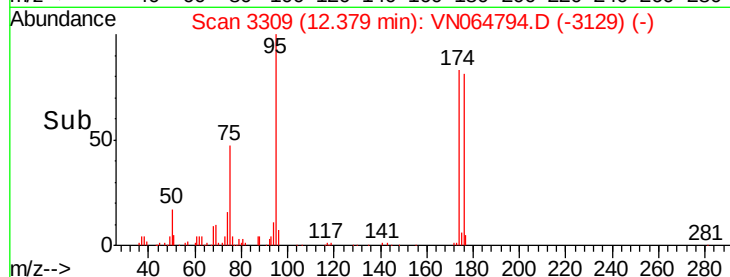
254 0.0 0.0 0.0



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# 3601

Delta R.T. -0.00 min

Lab File: VN064794.D

Acq: 23 Nov 2020 19:35

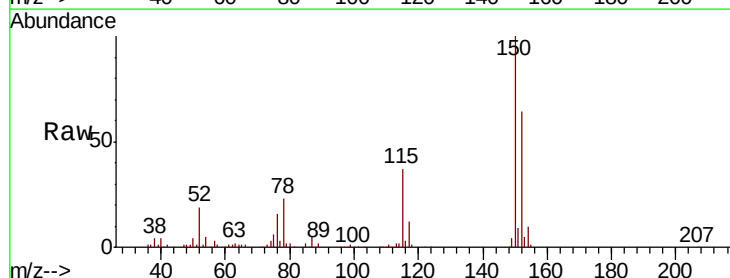
Tgt Ion:152 Resp: 130824

Ion Ratio Lower Upper

152 100

115 58.6 29.7 89.1

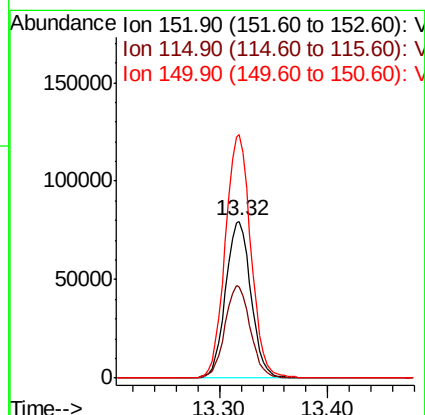
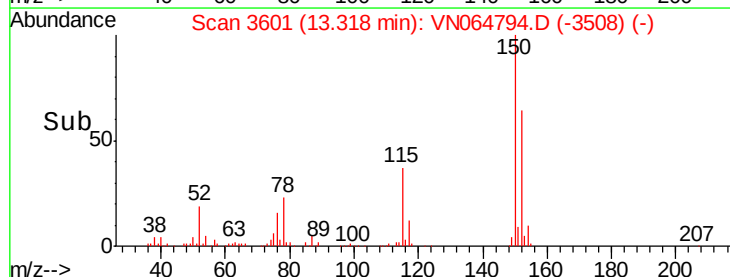
150 155.8 0.0 350.6

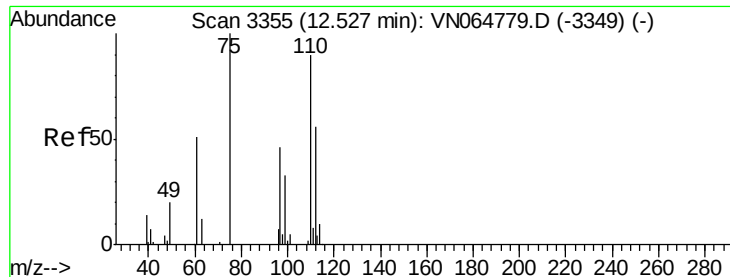


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 22.026 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064794.D

Acq: 23 Nov 2020 19:35

Instrument :

MSVOA_N

ClientSampled :

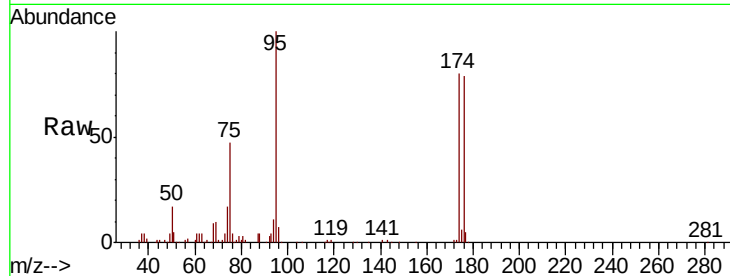
MW-16D

Tot Ion: 75 Resp: 62057

Ion Ratio Lower Upper

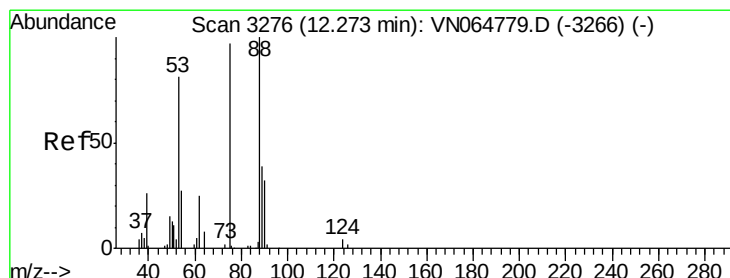
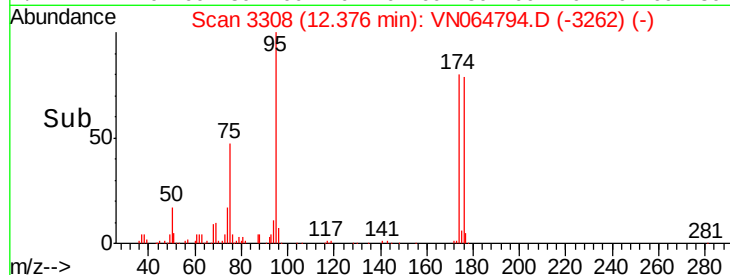
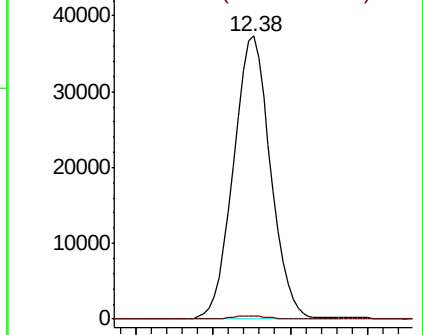
75 100

77 0.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 60.369 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064794.D

Acq: 23 Nov 2020 19:35

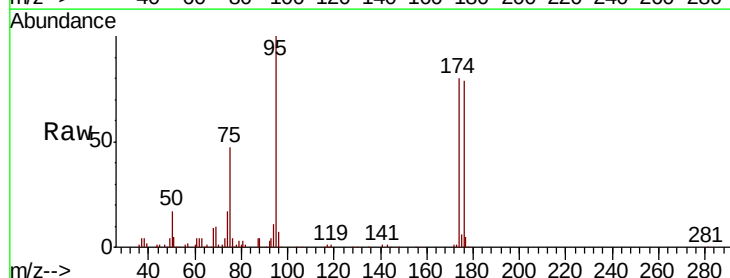
Tgt Ion: 75 Resp: 62057

Ion Ratio Lower Upper

75 100

53 0.1 67.0 100.4#

89 0.0 39.6 59.4#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

