

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112320\
 Data File : VN064790.D
 Acq On : 23 Nov 2020 17:58
 Operator : JC/MD
 Sample : L4829-20
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FIELD-BLANK

Quant Time: Nov 24 03:23:33 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	154208	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	271986	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	284599	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	123361	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	97138	54.18	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	108.36%
35) Dibromofluoromethane	7.55	113	86368	53.07	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	106.14%
50) Toluene-d8	10.06	98	339880	51.11	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	102.22%
62) 4-Bromofluorobenzene	12.38	95	130704	54.92	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	109.84%

Target Compounds

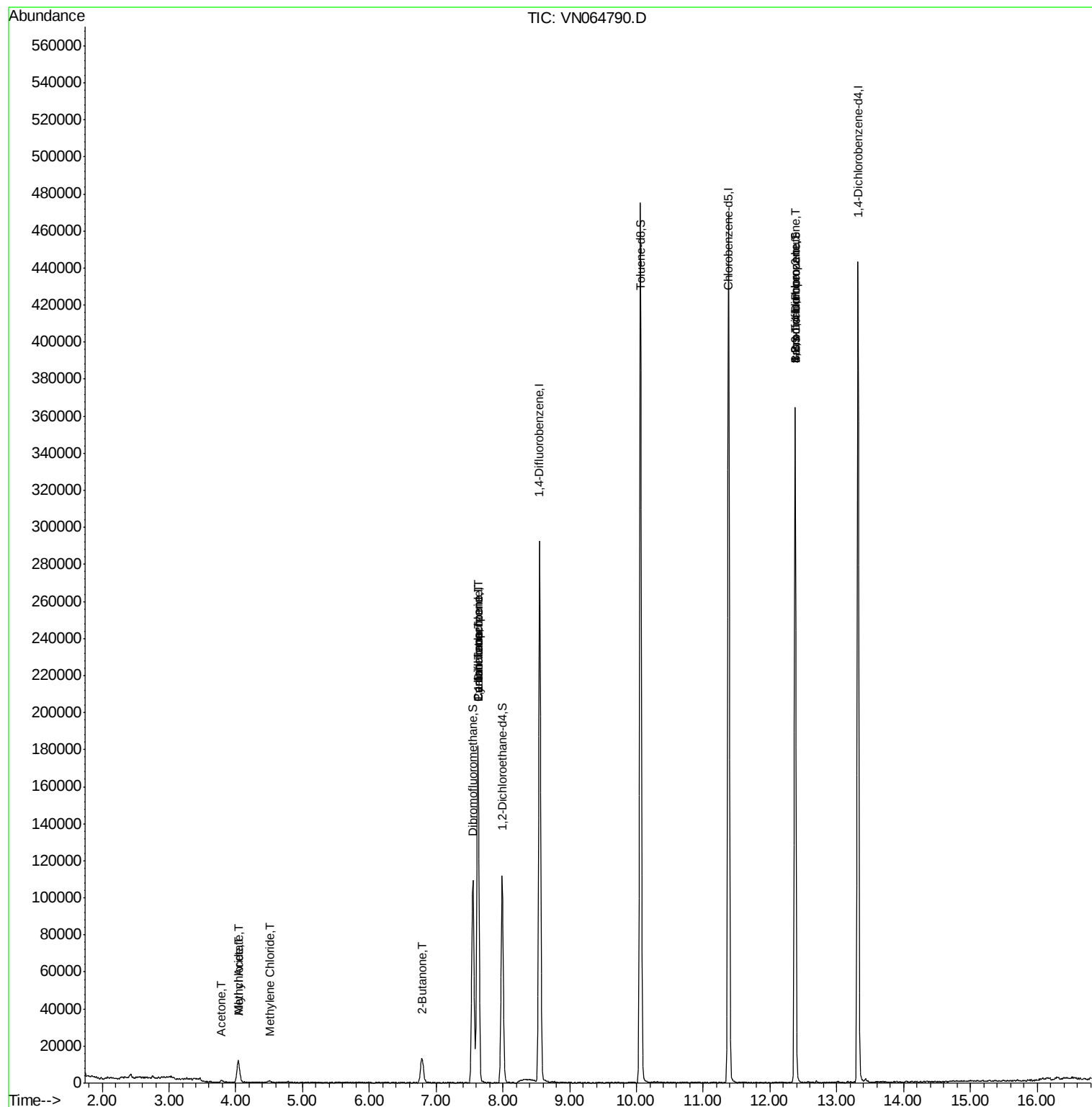
					Qvalue	
14) Allyl chloride	4.04	41	1835	0.744	ug/l #	66
16) Acetone	3.78	43	1787	3.032	ug/l #	85
18) Methyl Acetate	4.03	43	2369	1.337	ug/l #	50
20) Methylene Chloride	4.50	84	868	0.470	ug/l #	55
25) 2-Butanone	6.78	43	544	0.569	ug/l #	49
31) Cyclohexane	7.62	56	2891	1.157	ug/l #	1
36) 1,1-Dichloropropene	7.62	75	11302	4.483	ug/l #	50
38) Carbon Tetrachloride	7.63	117	14361	5.475	ug/l #	16
71) Bromoform	12.37	173	457	0.255	ug/l #	29
76) 1,2,3-Trichloropropane	12.38	75	61699	23.224	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	61699	63.652	ug/l #	15

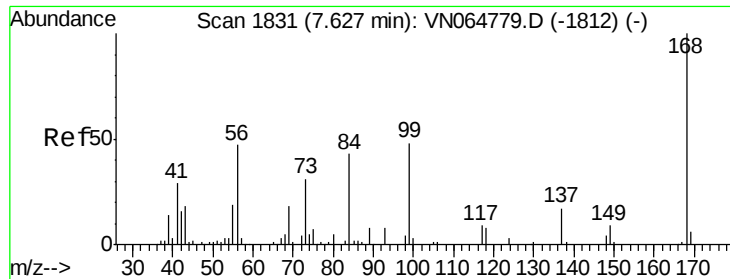
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN064790.D

Acq: 23 Nov 2020 17:58

Instrument :

MSVOA_N

ClientSampleId :

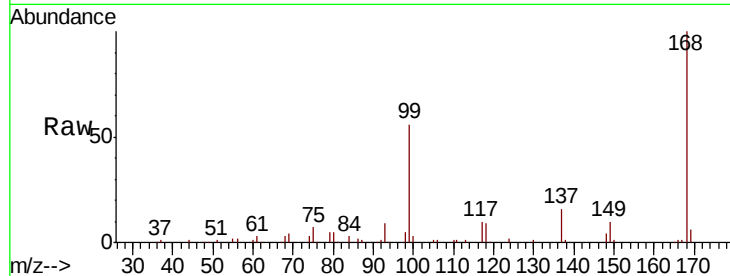
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Tot Ion:168 Resp: 154208

Ion Ratio Lower Upper

168 100

99 56.1 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

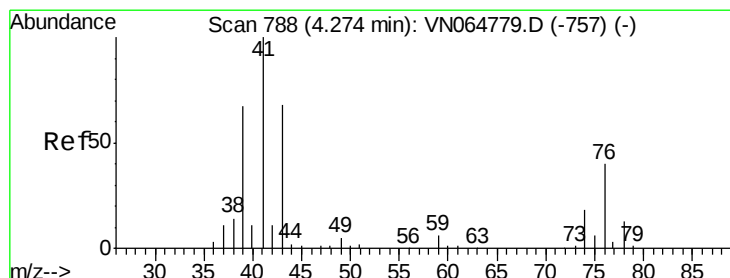
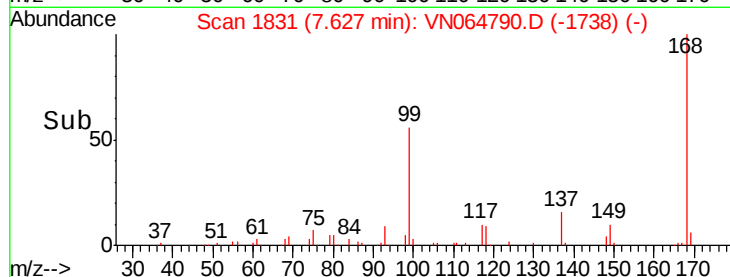
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#14

Allyl chloride

Concen: 0.744 ug/l

RT: 4.04 min Scan# 714

Delta R.T. -0.24 min

Lab File: VN064790.D

Acq: 23 Nov 2020 17:58

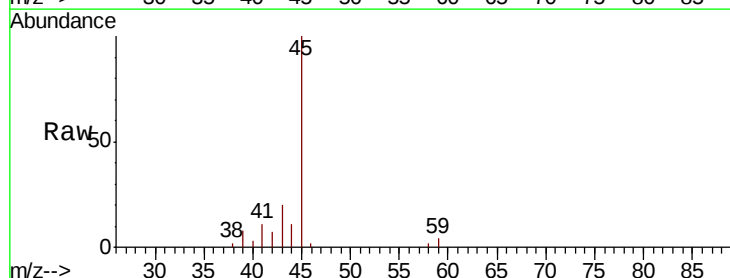
Tgt Ion: 41 Resp: 1835

Ion Ratio Lower Upper

41 100

39 77.4 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

1000

800

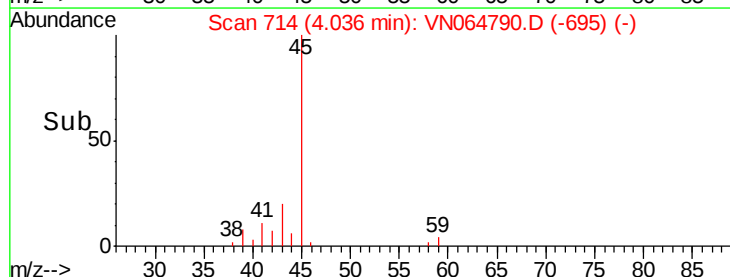
600

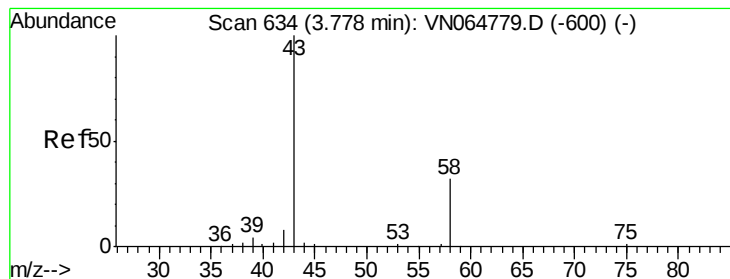
400

200

0

Time--> 4.00 4.05 4.10





#16

Acetone

Concen: 3.032 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN064790.D

Acq: 23 Nov 2020 17:58

Instrument :

MSVOA_N

ClientSampled :

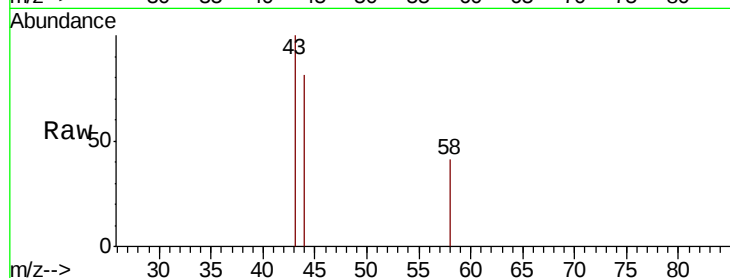
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Tot Ion: 43 Resp: 1787

Ion Ratio Lower Upper

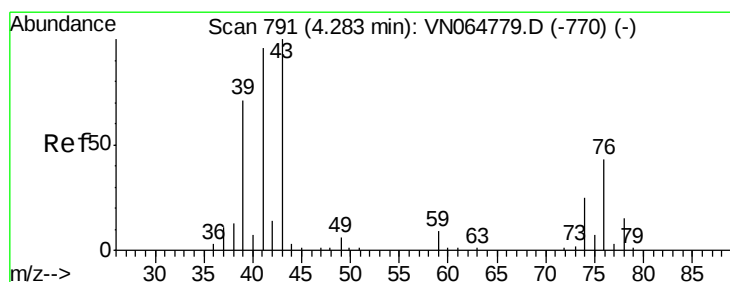
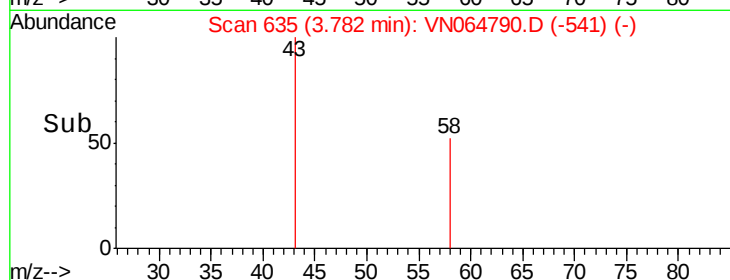
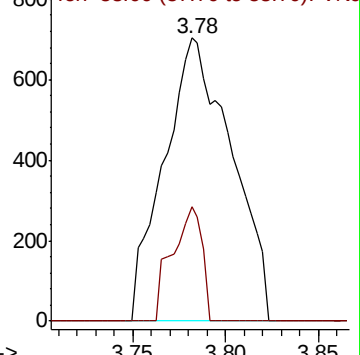
43 100

58 40.5 25.7 38.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 1.337 ug/l

RT: 4.03 min Scan# 712

Delta R.T. -0.25 min

Lab File: VN064790.D

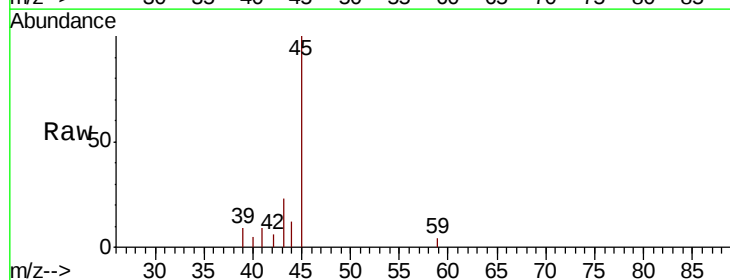
Acq: 23 Nov 2020 17:58

Tgt Ion: 43 Resp: 2369

Ion Ratio Lower Upper

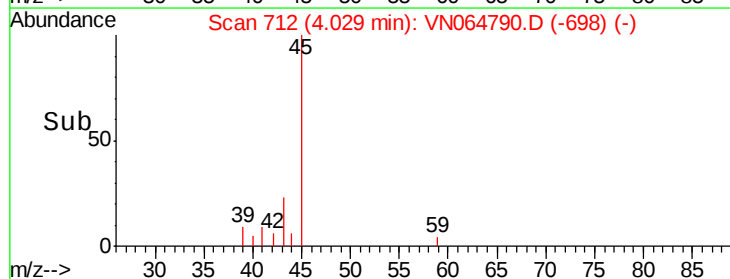
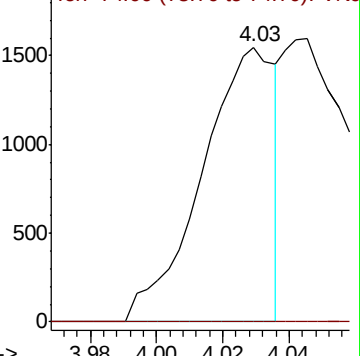
43 100

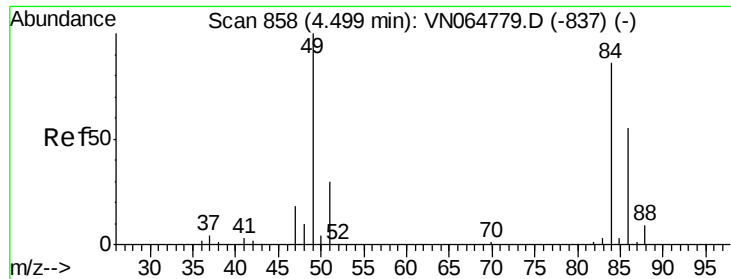
74 0.0 20.2 30.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

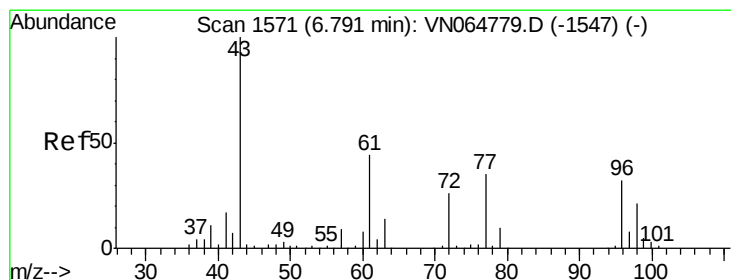
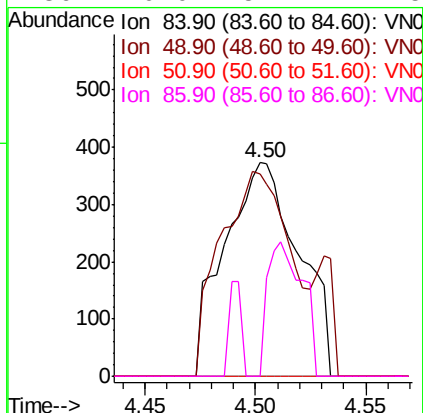
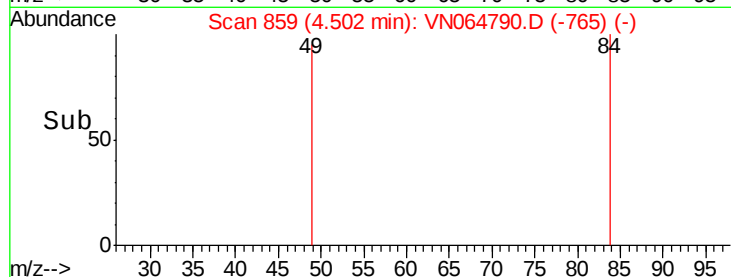
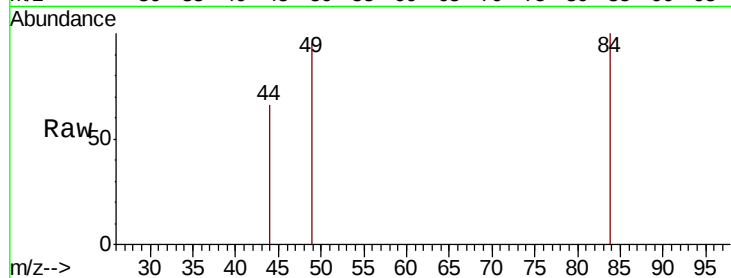




#20
Methvlene Chloride
Concen: 0.470 ug/l
RT: 4.50 min Scan# 859
Delta R.T. 0.00 min
Lab File: VN064790.D
Acq: 23 Nov 2020 17:58

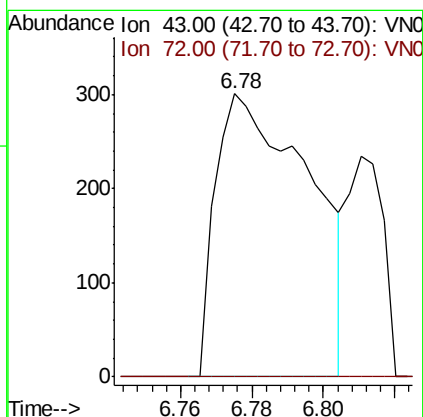
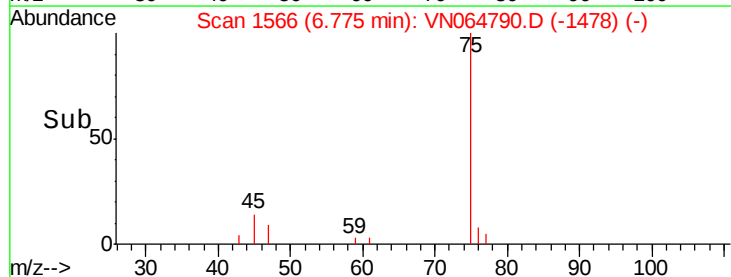
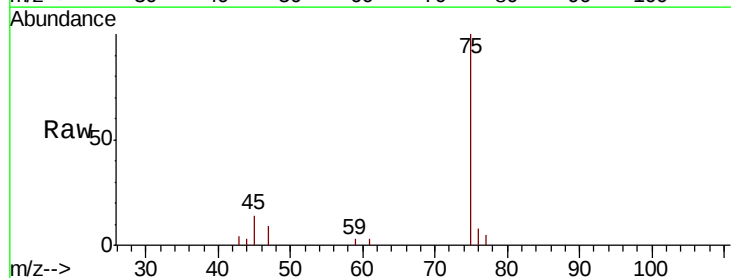
Instrument :
MSVOA_N
ClientSampled :
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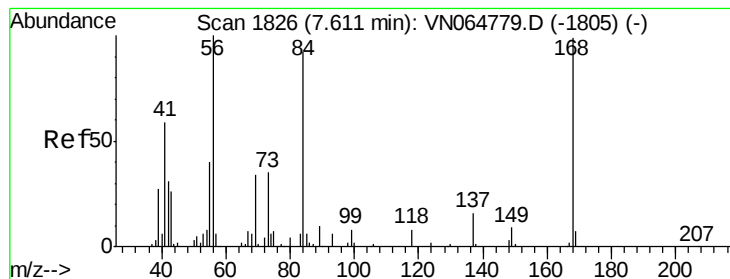
Tot Ion: 84 Resp: 868
Ion Ratio Lower Upper
84 100
49 94.6 93.4 140.0
51 0.0 28.2 42.4#
86 0.0 51.7 77.5#



#25
2-Butanone
Concen: 0.569 ug/l
RT: 6.78 min Scan# 1566
Delta R.T. -0.02 min
Lab File: VN064790.D
Acq: 23 Nov 2020 17:58

Tgt Ion: 43 Resp: 544
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.6#





#31

Cyclohexane

Concen: 1.157 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN064790.D

Acq: 23 Nov 2020 17:58

Instrument :

MSVOA_N

ClientSampleId :

FIELD-BLANK

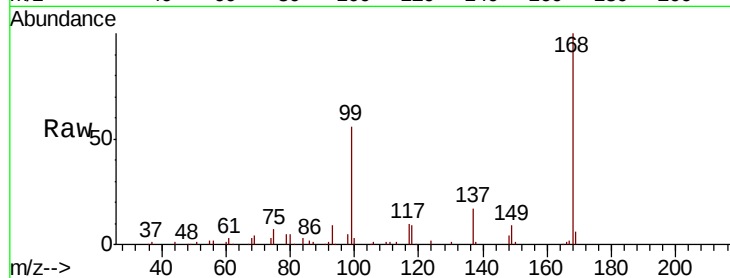
Tot Ion: 56 Resp: 2891

Ion Ratio Lower Upper

56 100

69 171.9 27.5 41.3#

84 139.7 73.9 110.9#

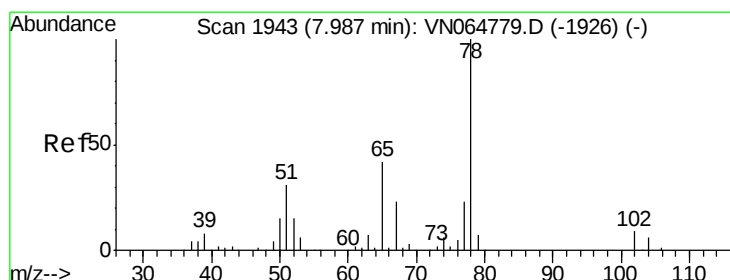
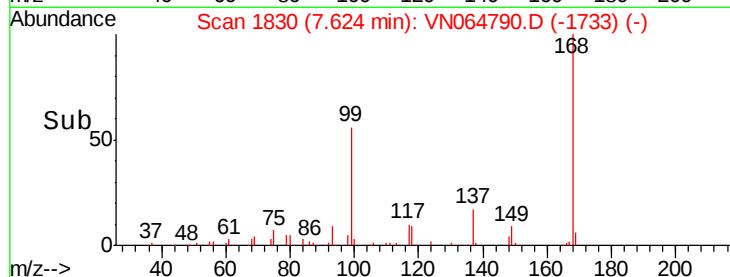
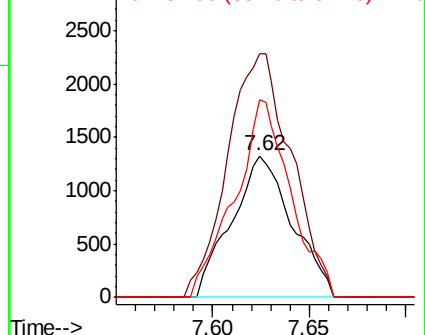


Abundance

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: 54.183 ug/l

RT: 7.99 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN064790.D

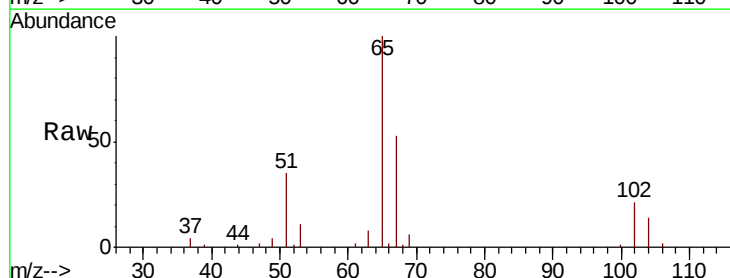
Acq: 23 Nov 2020 17:58

Tgt Ion: 65 Resp: 97138

Ion Ratio Lower Upper

65 100

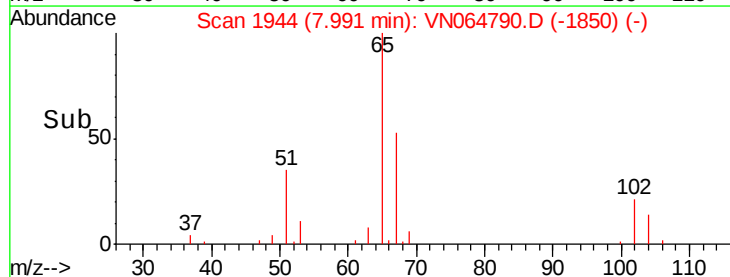
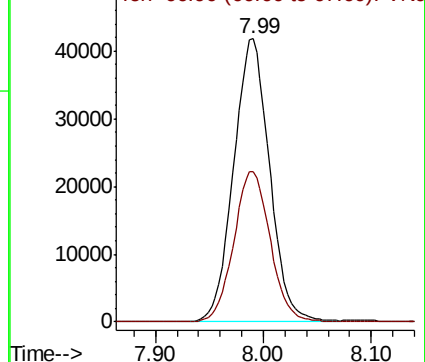
67 53.8 0.0 108.2

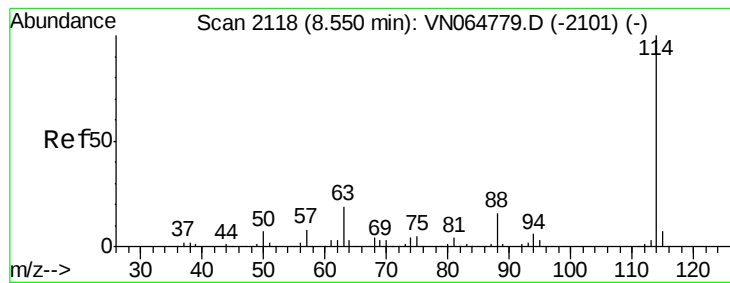


Abundance

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: VN064790.D

Acq: 23 Nov 2020 17:58

Instrument :

MSVOA_N

ClientSampleId :

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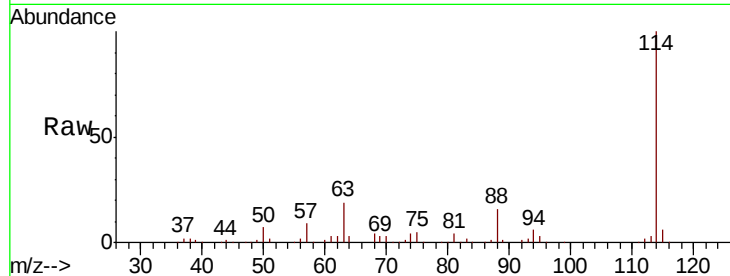
Tot Ion:114 Resp: 271986

Ion Ratio Lower Upper

114 100

63 19.4 0.0 38.6

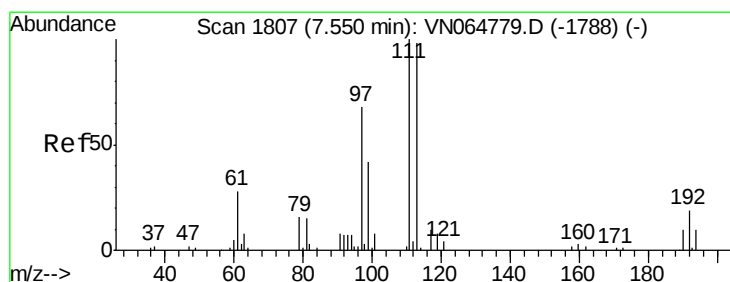
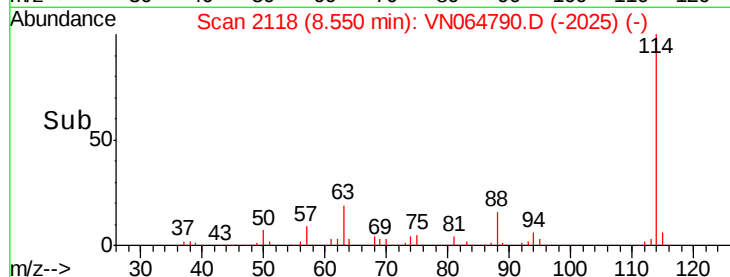
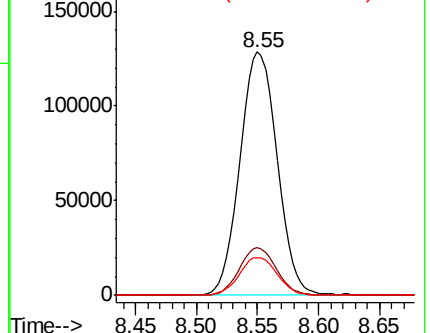
88 15.7 0.0 32.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 53.069 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN064790.D

Acq: 23 Nov 2020 17:58

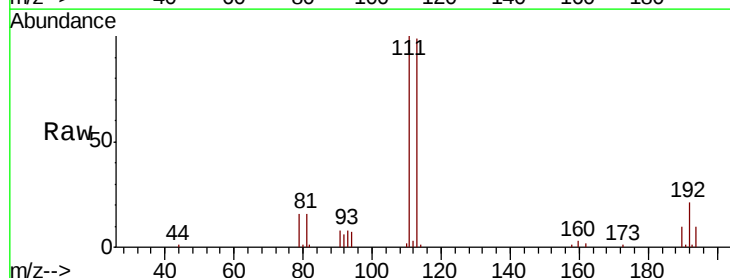
Tgt Ion:113 Resp: 86368

Ion Ratio Lower Upper

113 100

111 101.5 81.6 122.4

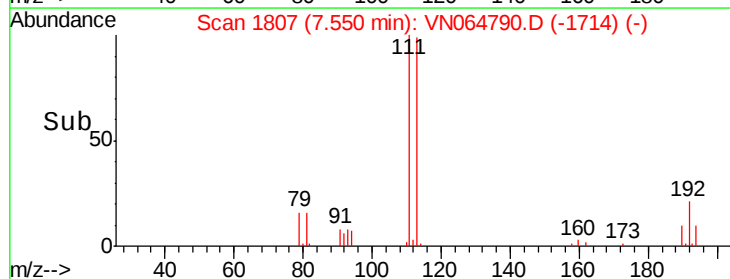
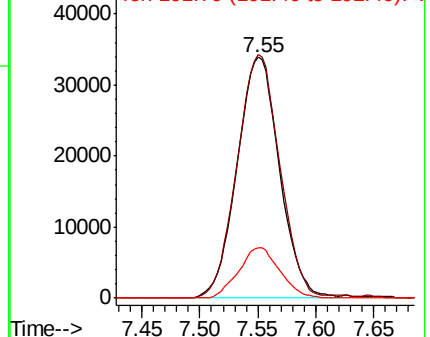
192 20.2 16.2 24.2

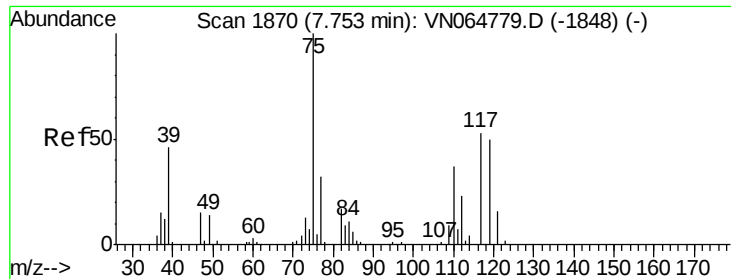


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

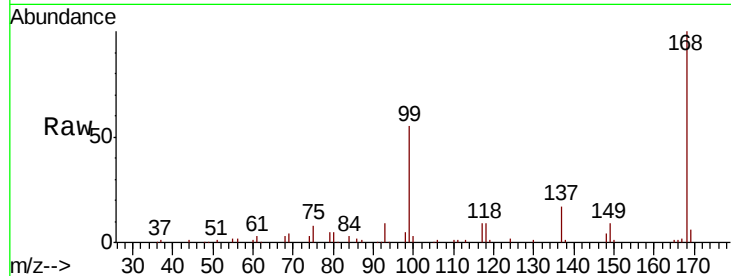




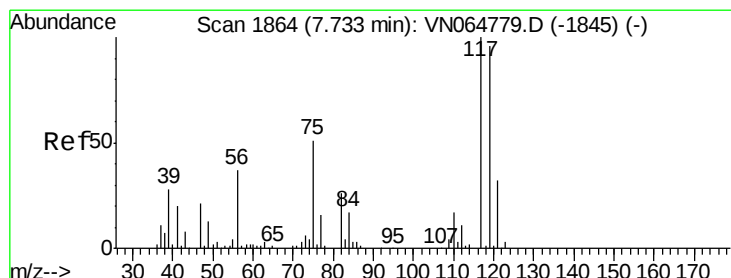
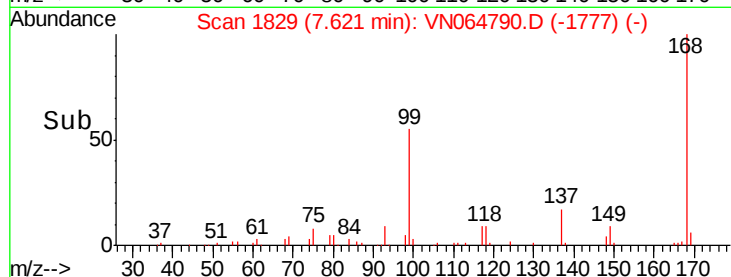
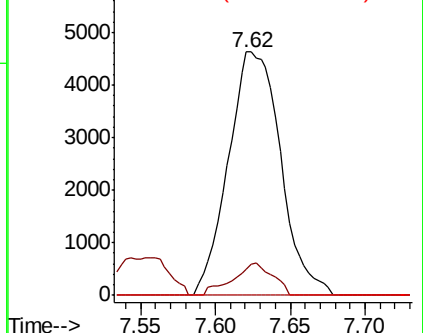
#36
 1,1-Dichloropropene
 Concen: 4.483 ug/l
 RT: 7.62 min Scan# 1829
 Delta R.T. -0.13 min
 Lab File: VN064790.D
 Acq: 23 Nov 2020 17:58

Instrument :
 MSVOA_N
 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
75	100		
110	10.0	17.8	53.3#
77	0.0	25.0	37.4#

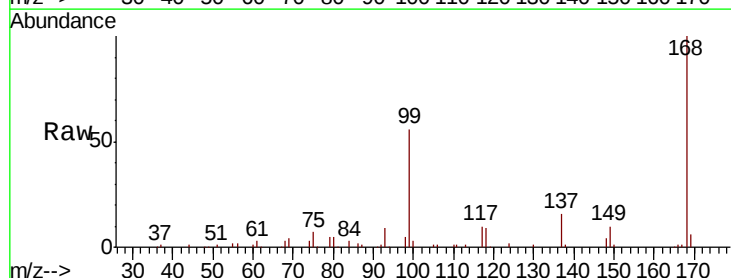


Abundance Ion 74.90 (74.60 to 75.60): VN064790.D (-1777) (-)
 Ion 109.90 (109.60 to 110.60): VN064790.D (-1777) (-)
 Ion 76.90 (76.60 to 77.60): VN064790.D (-1777) (-)

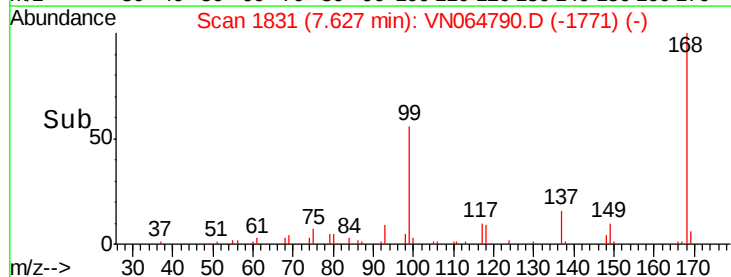
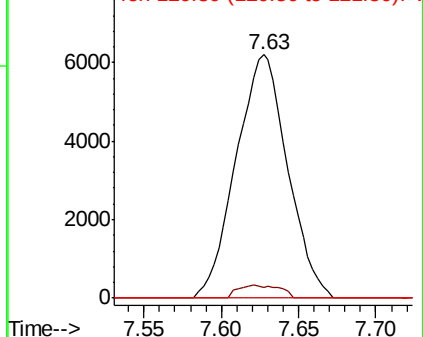


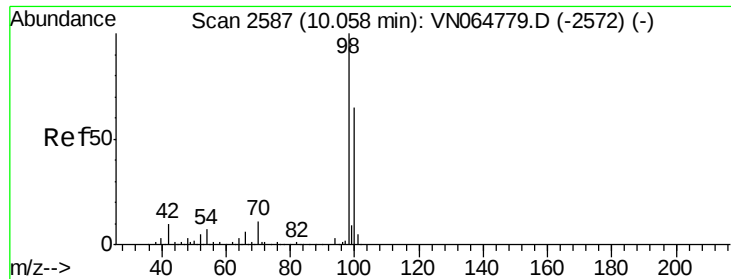
#38
 Carbon Tetrachloride
 Concen: 5.475 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.11 min
 Lab File: VN064790.D
 Acq: 23 Nov 2020 17:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.6	76.7	115.1#
121	0.0	25.4	38.2#



Abundance Ion 116.80 (116.50 to 117.50): VN064790.D (-1771) (-)
 Ion 118.80 (118.50 to 119.50): VN064790.D (-1771) (-)
 Ion 120.80 (120.50 to 121.50): VN064790.D (-1771) (-)





#50

Toluene-d8

Concen: 51.112 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN064790.D

Acq: 23 Nov 2020 17:58

Instrument :

MSVOA_N

ClientSampleId :

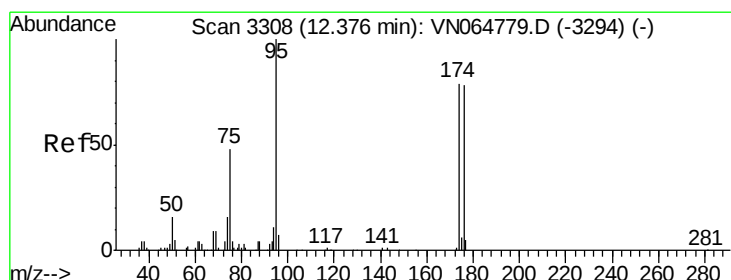
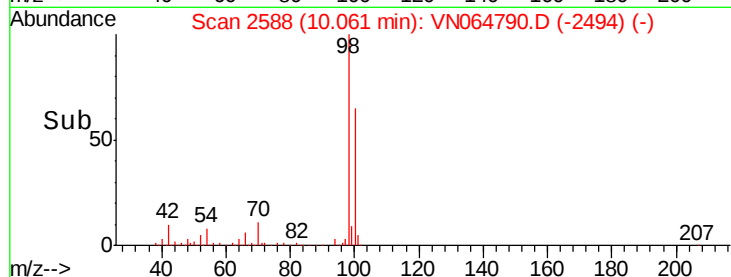
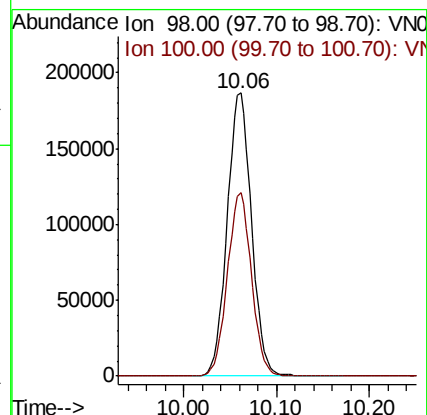
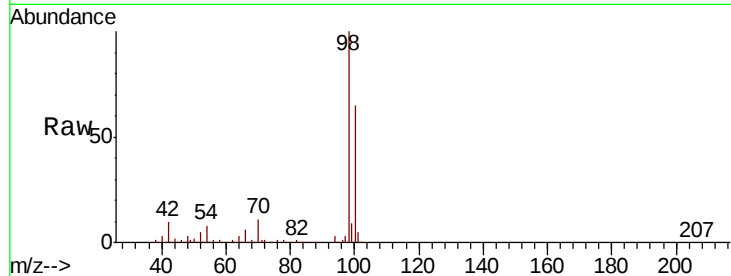
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Tot Ion: 98 Resp: 339880

Ion Ratio Lower Upper

98 100

100 64.1 51.7 77.5



#62

4-Bromofluorobenzene

Concen: 54.922 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064790.D

Acq: 23 Nov 2020 17:58

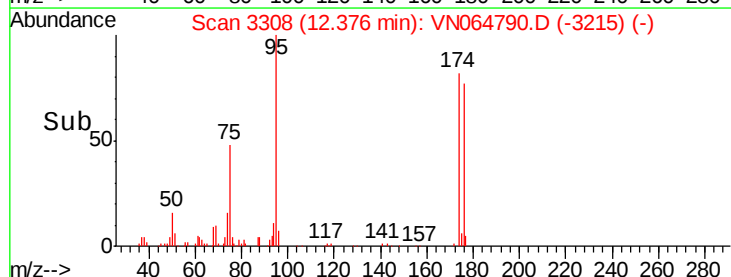
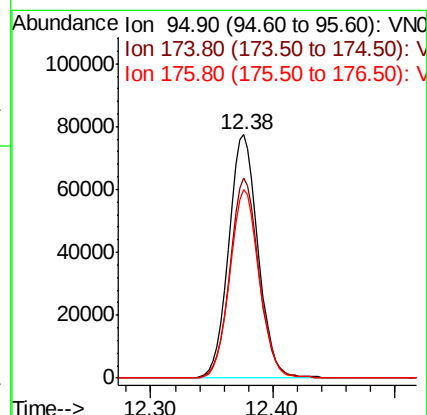
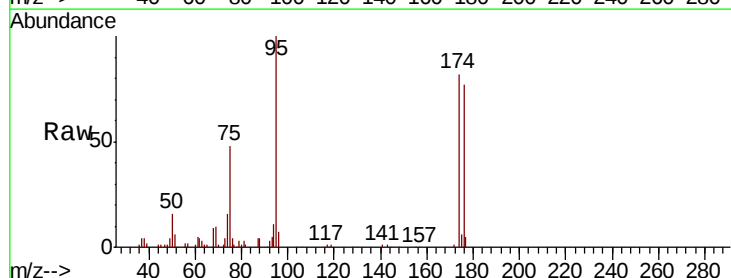
Tgt Ion: 95 Resp: 130704

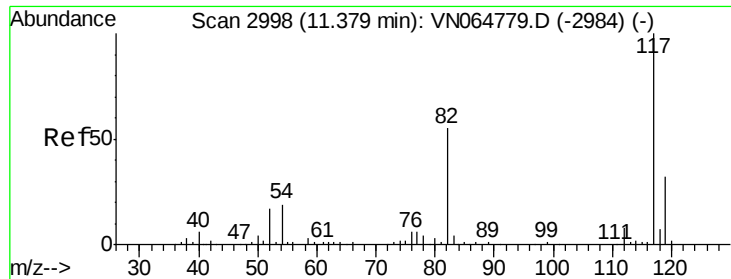
Ion Ratio Lower Upper

95 100

174 81.2 0.0 160.4

176 77.6 0.0 158.4

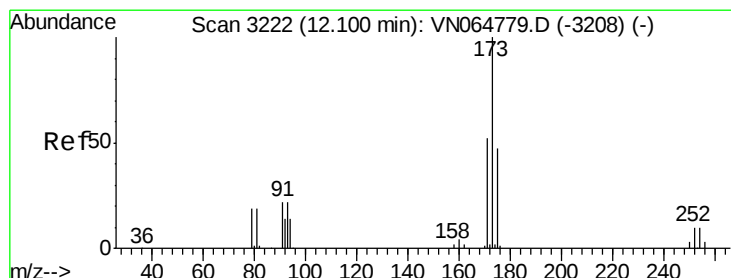
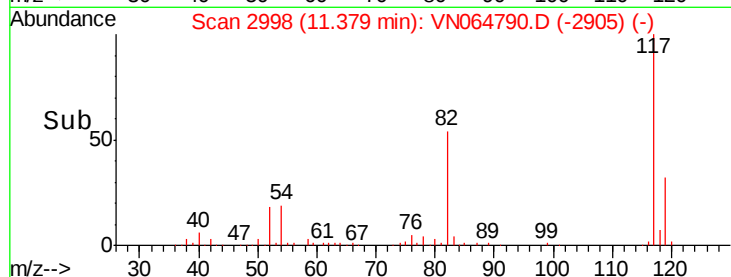
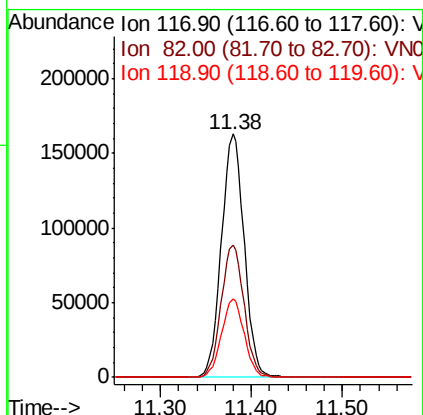
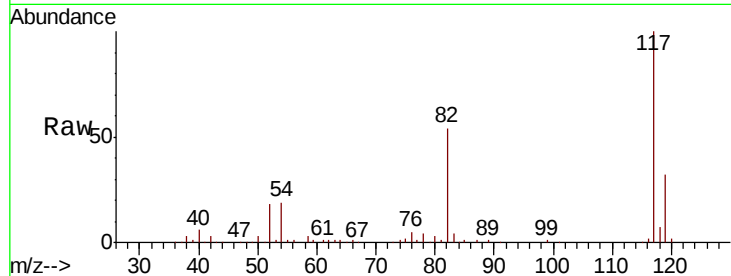




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064790.D
Acq: 23 Nov 2020 17:58

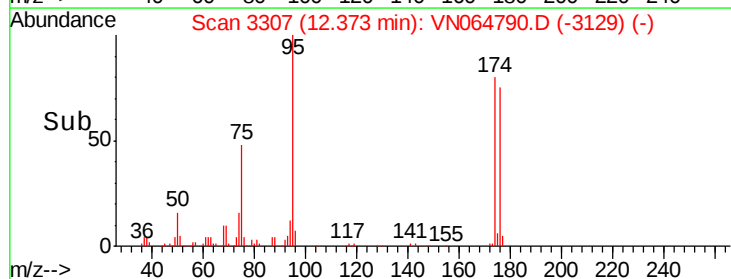
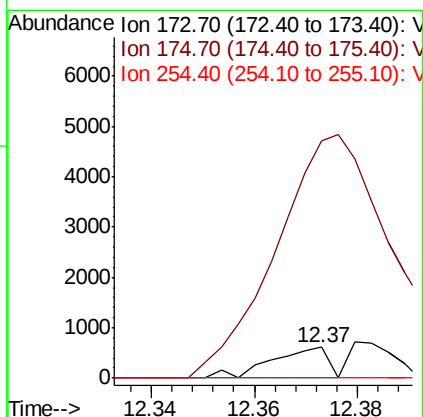
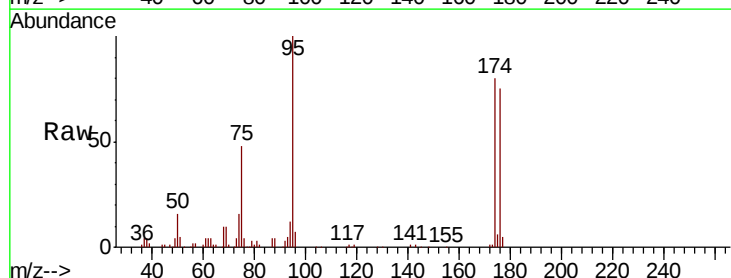
Instrument :
MSVOA_N
ClientSampleId :
FIELD-BLANK

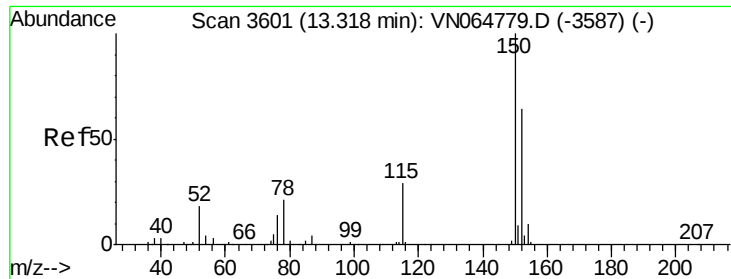
Tot Ion:117 Resp: 284599
Ion Ratio Lower Upper
117 100
82 54.4 44.2 66.2
119 32.2 25.8 38.6



#71
Bromoform
Concen: 0.255 ug/l
RT: 12.37 min Scan# 3307
Delta R.T. 0.27 min
Lab File: VN064790.D
Acq: 23 Nov 2020 17:58

Tgt Ion:173 Resp: 457
Ion Ratio Lower Upper
173 100
175 0.0 24.3 72.8#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN064790.D

Acq: 23 Nov 2020 17:58

Instrument :

MSVOA_N

ClientSampleId :

FIELD-BLANK

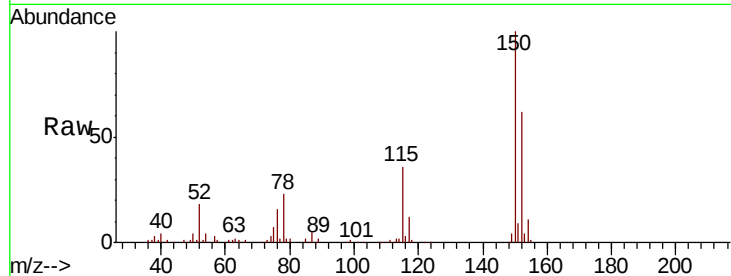
Tot Ion:152 Resp: 123361

Ion Ratio Lower Upper

152 100

115 59.1 29.7 89.1

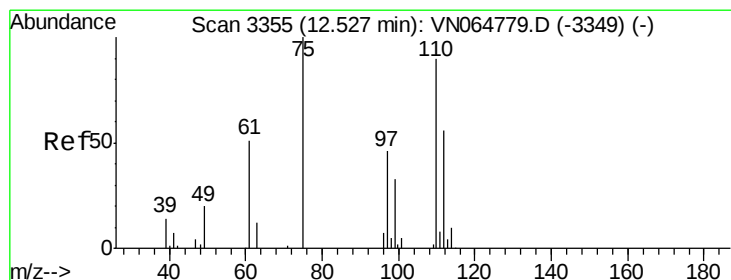
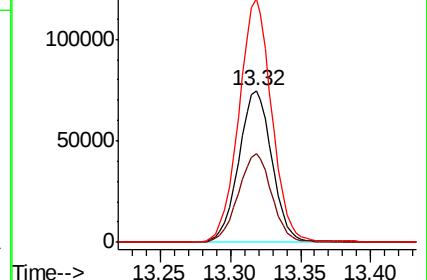
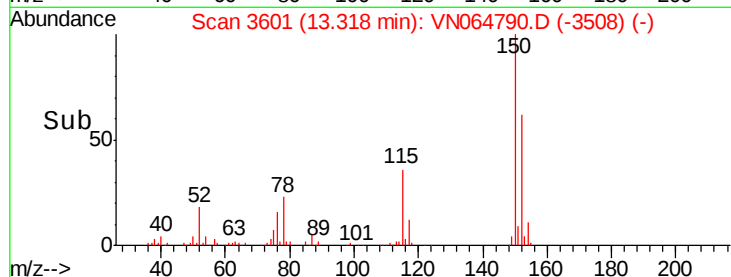
150 159.4 0.0 350.6



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: 23.224 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064790.D

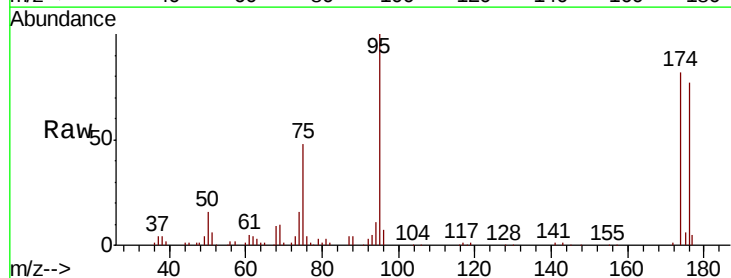
Acq: 23 Nov 2020 17:58

Tgt Ion: 75 Resp: 61699

Ion Ratio Lower Upper

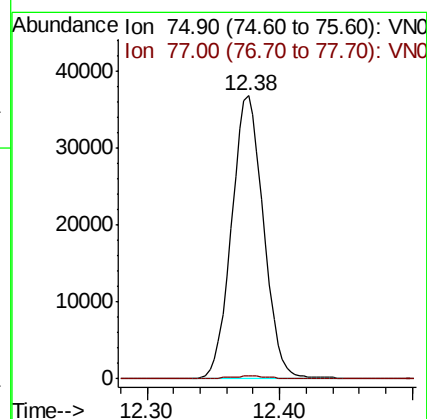
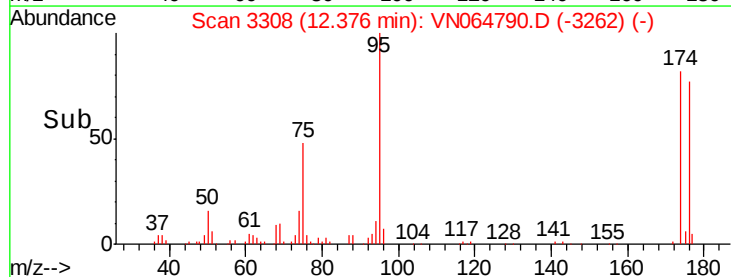
75 100

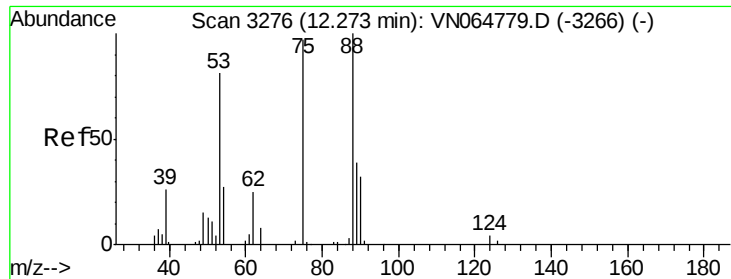
77 1.2 0.0 0.0#



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: 63.652 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064790.D

Acq: 23 Nov 2020 17:58

Instrument :

MSVOA_N

ClientSampleId :

FIELD-BLANK

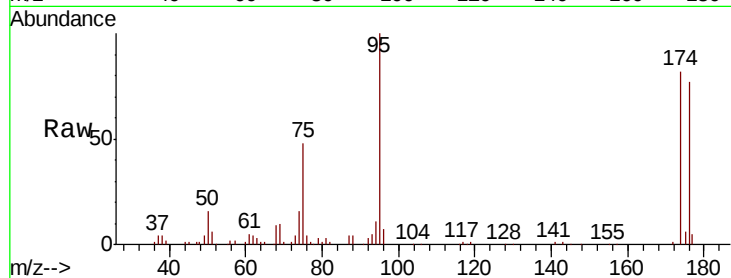
Tot Ion: 75 Resp: 61699

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): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

