

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061220\
 Data File : VN061790.D
 Acq On : 12 Jun 2020 14:50
 Operator : JC/MD
 Sample : L2988-13
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE134D1-20200608

Quant Time: Jun 13 05:12:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	262622	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	445011	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	436520	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	189046	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	148088	47.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.66%	
35) Dibromofluoromethane	7.55	113	130858	57.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.94%	
50) Toluene-d8	10.06	98	532764	50.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.86%	
62) 4-Bromofluorobenzene	12.38	95	179489	47.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.06%	

Target Compounds

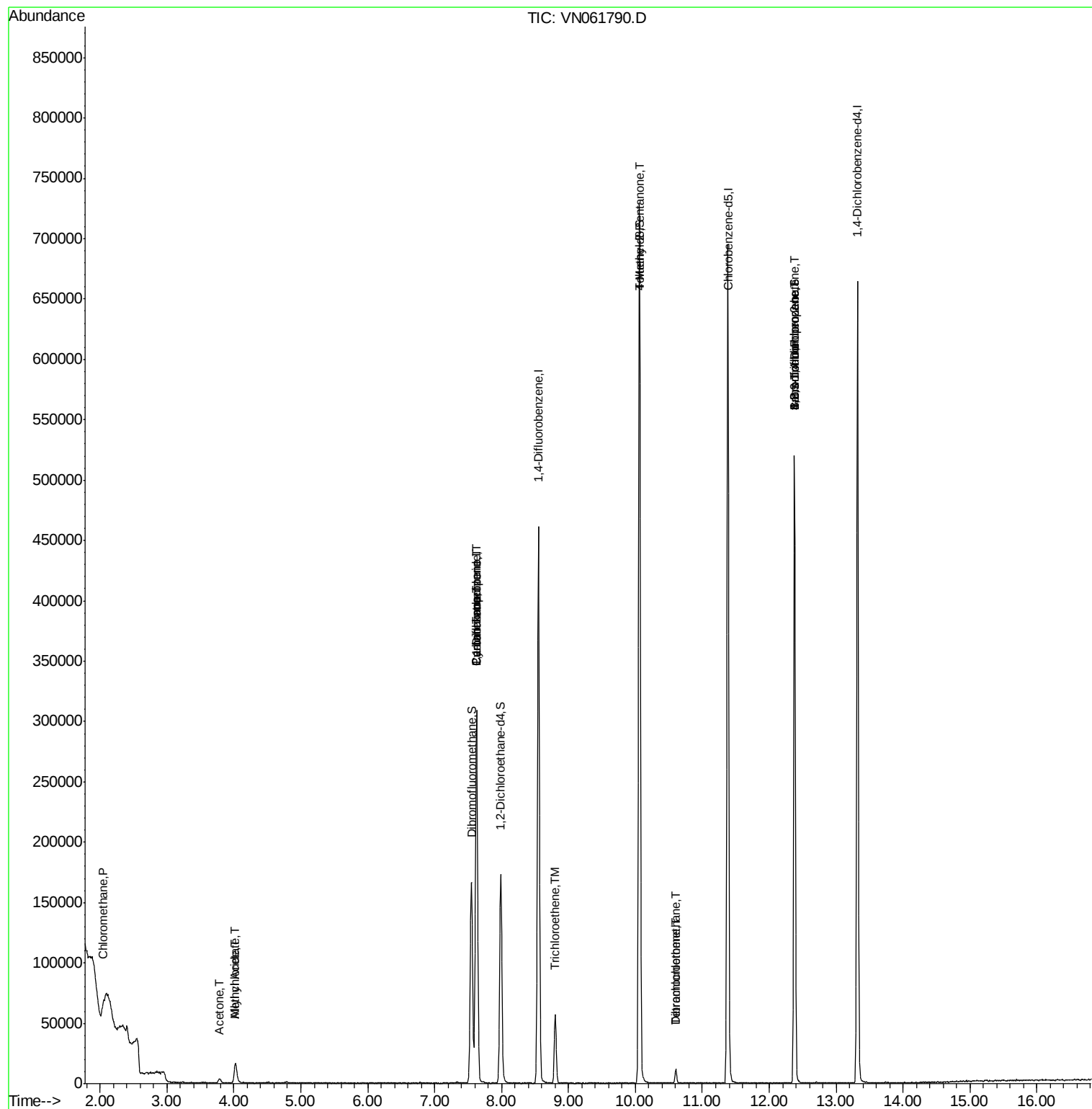
						Qvalue
3) Chloromethane	2.03	50	2043	0.638	ug/l #	79
14) Allyl chloride	4.02	41	2657	0.757	ug/l #	53
16) Acetone	3.78	43	6213	1.030	ug/l	96
18) Methyl Acetate	4.03	43	7317	2.583	ug/l #	46
20) Methylene Chloride	4.50	84	565	Below Cal	#	56
31) Cyclohexane	7.63	56	4132	0.937	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	17659	4.483	ug/l #	49
38) Carbon Tetrachloride	7.63	117	24678	6.494	ug/l #	16
44) Trichloroethene	8.80	130	22126	5.923	ug/l	97
51) 4-Methyl-2-Pentanone	10.06	43	2041	0.634	ug/l #	12
60) Dibromochloromethane	10.60	129	2283	0.635	ug/l #	11
64) Tetrachloroethene	10.60	164	2861	0.696	ug/l #	83
71) Bromoform	12.38	173	1358	0.522	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	87956	25.587	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	87956	65.432	ug/l #	15

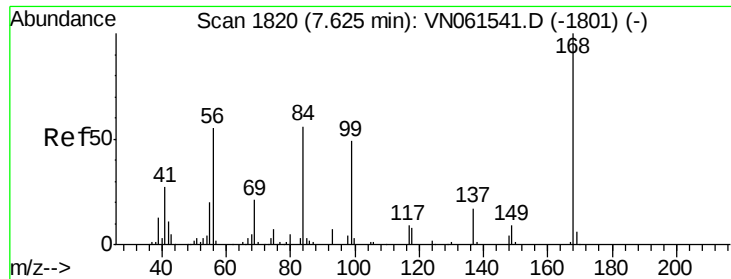
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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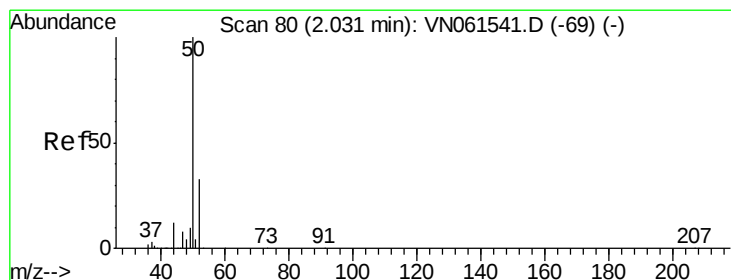
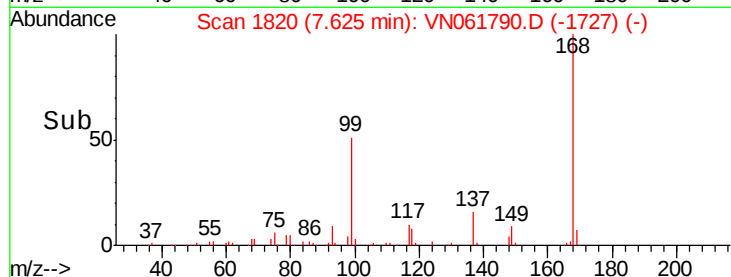
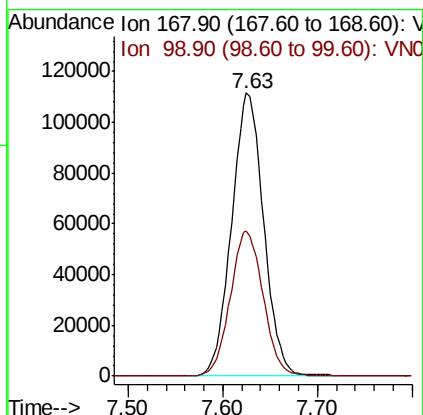
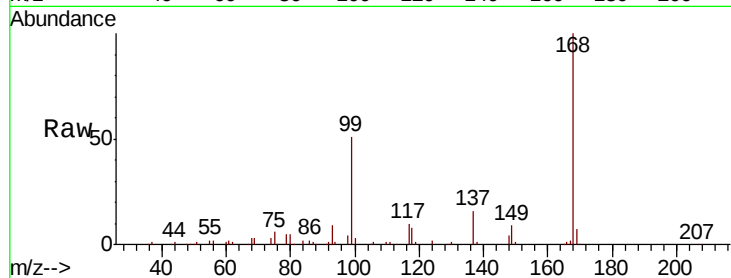




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. -0.00 min
Lab File: VN061790.D
Acq: 12 Jun 2020 14:50

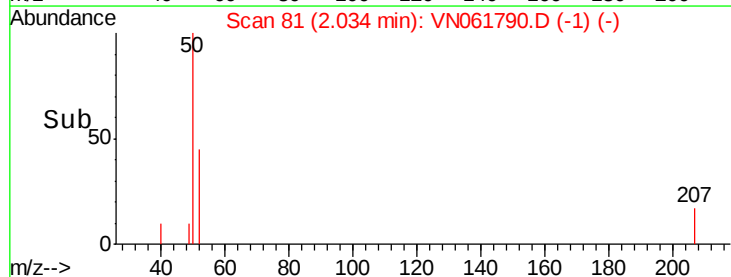
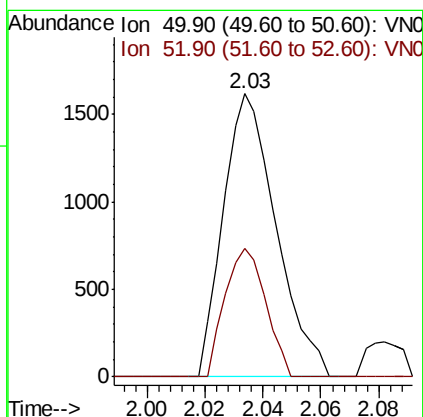
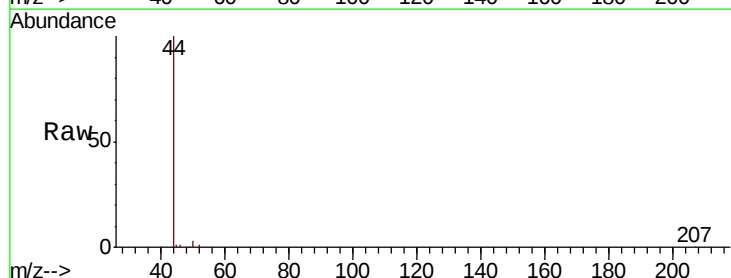
Instrument :
MSVOA_N
ClientSampleId :
RE134D1-20200608

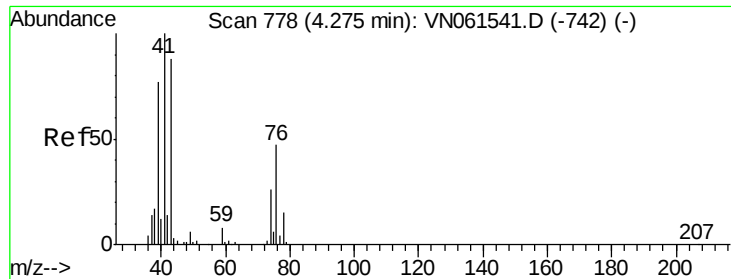
Tot Ion:168 Resp: 262622
Ion Ratio Lower Upper
168 100
99 51.4 45.0 67.4



#3
Chloromethane
Concen: 0.638 ug/l
RT: 2.03 min Scan# 81
Delta R.T. 0.00 min
Lab File: VN061790.D
Acq: 12 Jun 2020 14:50

Tgt Ion: 50 Resp: 2043
Ion Ratio Lower Upper
50 100
52 45.5 26.7 40.1#

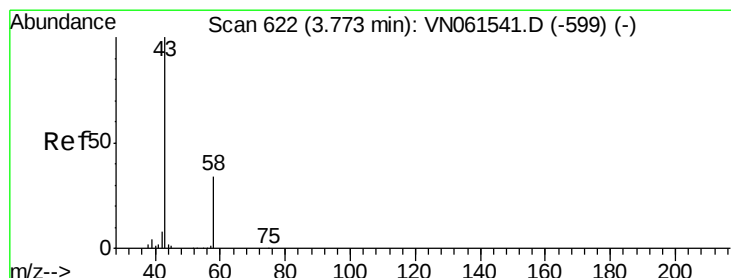
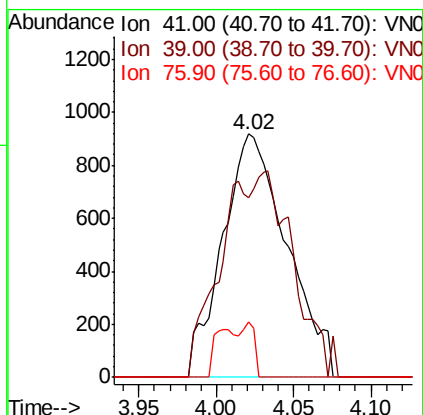
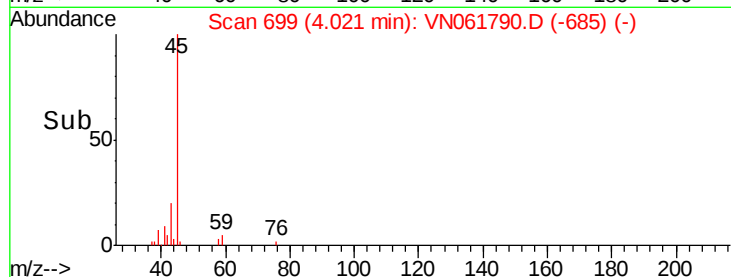
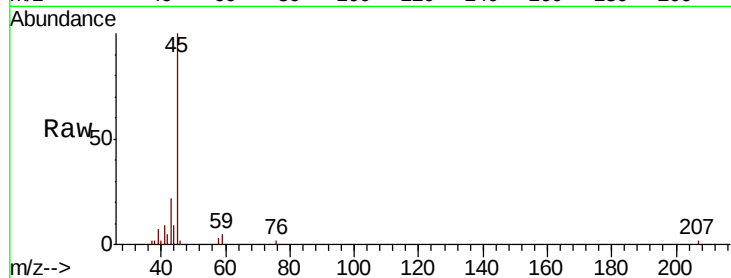




#14
Allvl chloride
Concen: 0.757 ug/l
RT: 4.02 min Scan# 699
Delta R.T. -0.25 min
Lab File: VN061790.D
Acq: 12 Jun 2020 14:50

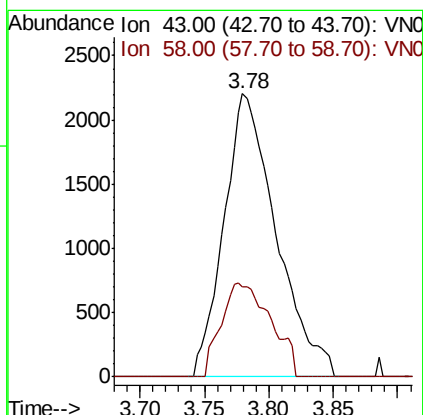
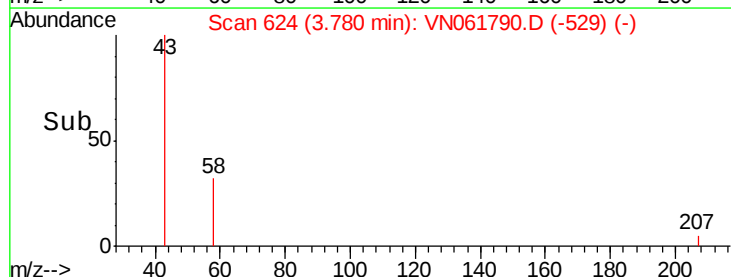
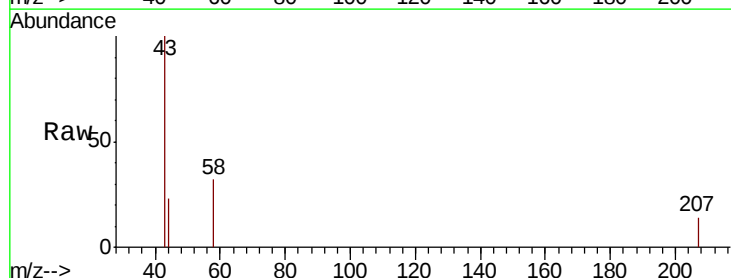
Instrument :
MSVOA_N
ClientSampleId :
RE134D1-20200608

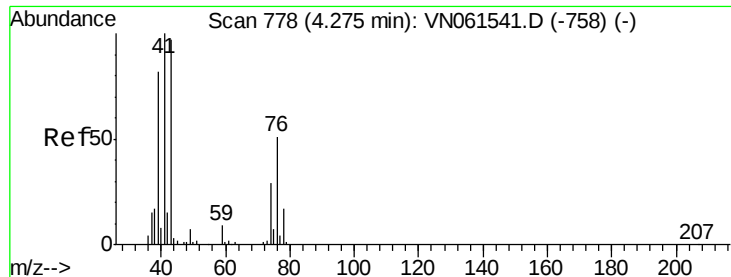
Tot Ion: 41 Resp: 2657
Ion Ratio Lower Upper
41 100
39 40.3 58.6 88.0#
76 4.2 34.2 51.4#



#16
Acetone
Concen: 1.030 ug/l
RT: 3.78 min Scan# 624
Delta R.T. 0.01 min
Lab File: VN061790.D
Acq: 12 Jun 2020 14:50

Tgt Ion: 43 Resp: 6213
Ion Ratio Lower Upper
43 100
58 31.9 27.2 40.8

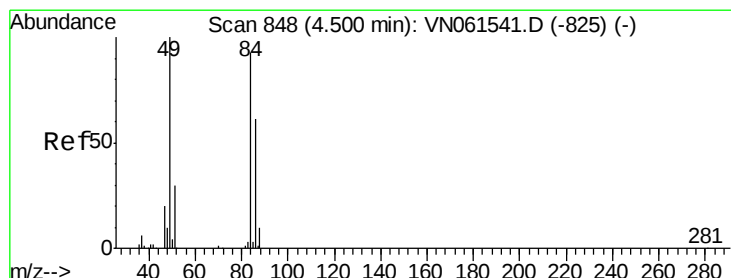
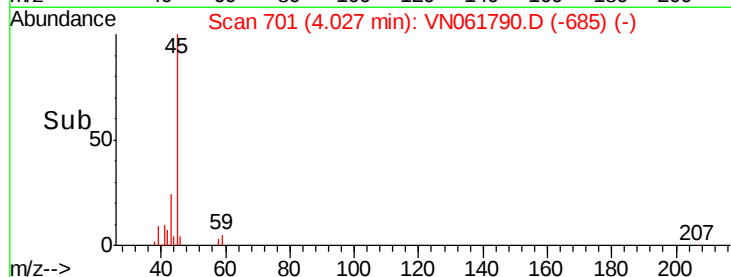
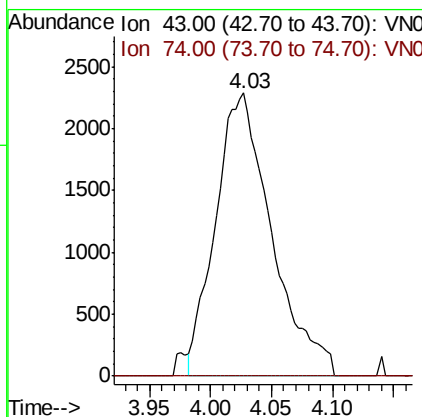
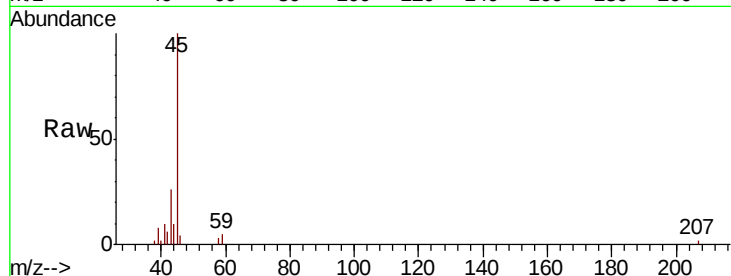




#18
Methyl Acetate
Concen: 2.583 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.25 min
Lab File: VN061790.D
Acq: 12 Jun 2020 14:50

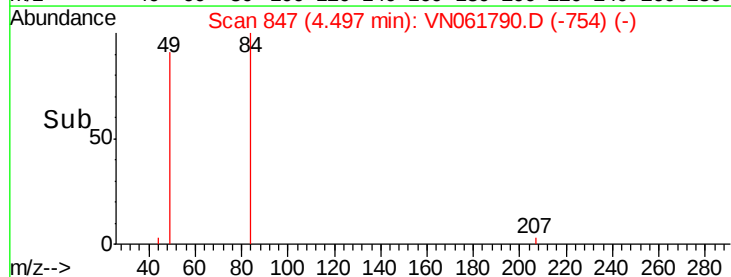
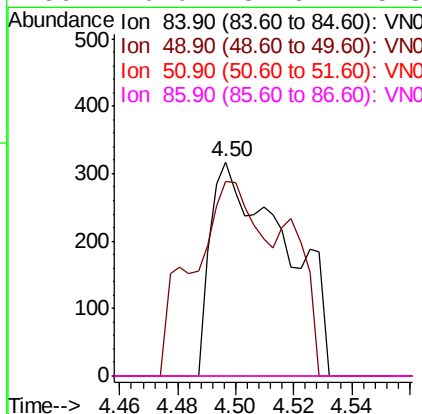
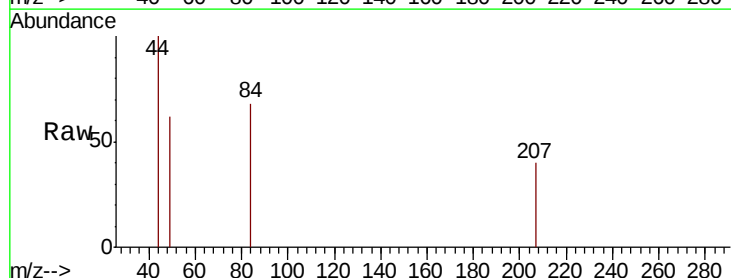
Instrument :
MSVOA_N
ClientSampleId :
RE134D1-20200608

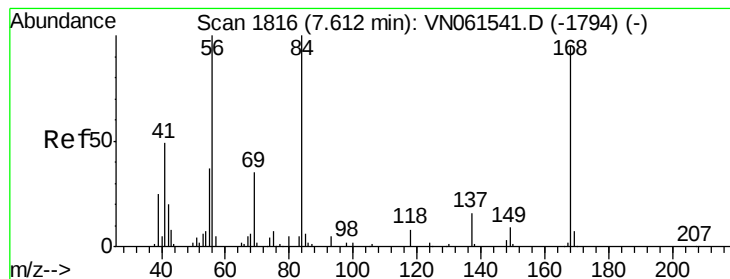
Tot Ion: 43 Resp: 7317
Ion Ratio Lower Upper
43 100
74 0.0 23.2 34.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.50 min Scan# 847
Delta R.T. -0.00 min
Lab File: VN061790.D
Acq: 12 Jun 2020 14:50

Tgt Ion: 84 Resp: 565
Ion Ratio Lower Upper
84 100
49 91.2 85.8 128.8
51 0.0 26.2 39.2#
86 0.0 52.6 78.8#





#31

Cyclohexane

Concen: 0.937 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.02 min

Lab File: VN061790.D

Acq: 12 Jun 2020 14:50

Instrument :

MSVOA_N

ClientSampleId :

RE134D1-20200608

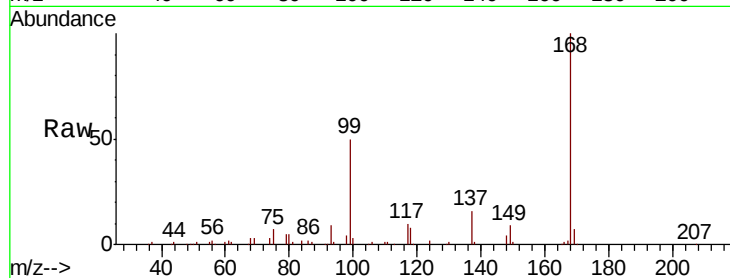
Tot Ion: 56 Resp: 4132

Ion Ratio Lower Upper

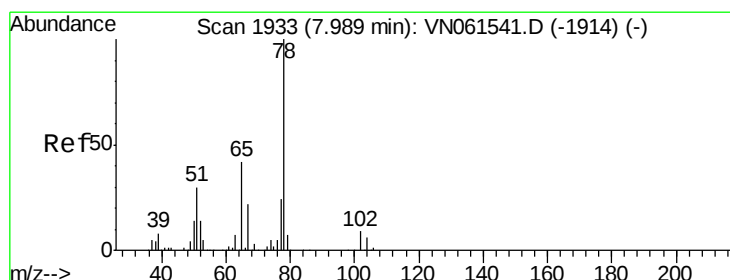
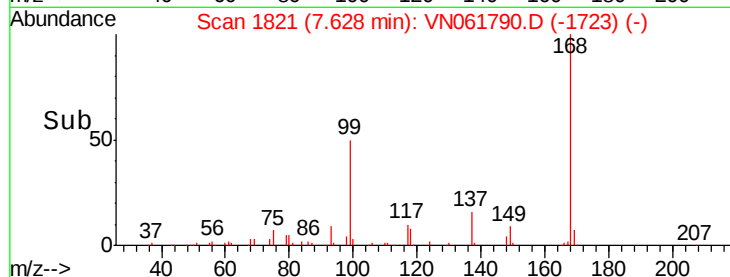
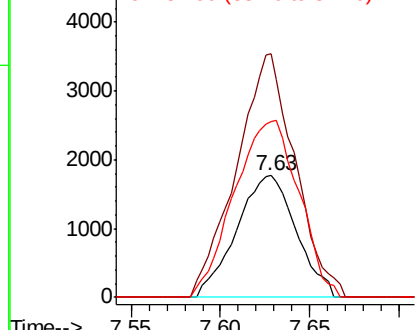
56 100

69 199.8 27.8 41.8#

84 144.7 79.9 119.9#



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



#33

1,2-Dichloroethane-d4

Concen: 47.328 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. -0.00 min

Lab File: VN061790.D

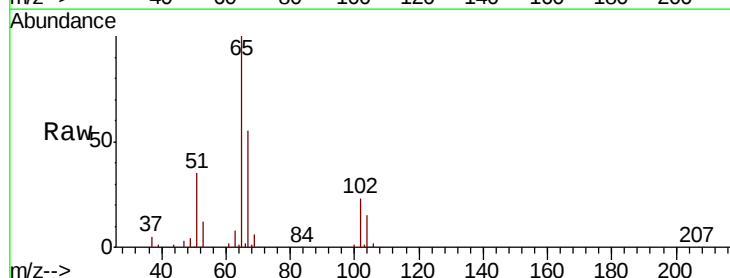
Acq: 12 Jun 2020 14:50

Tgt Ion: 65 Resp: 148088

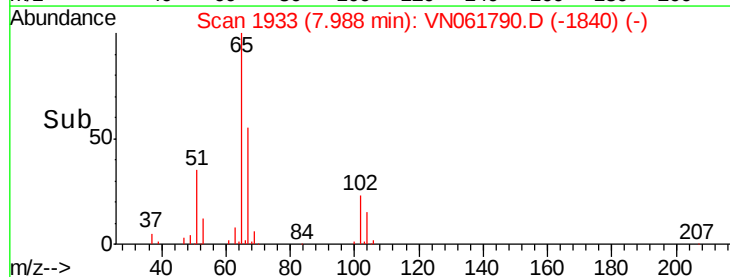
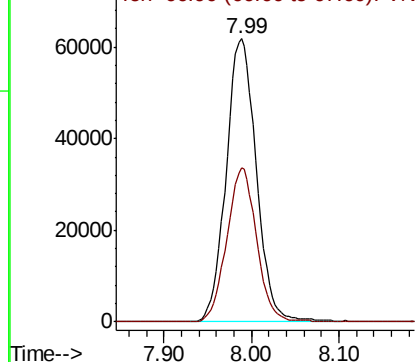
Ion Ratio Lower Upper

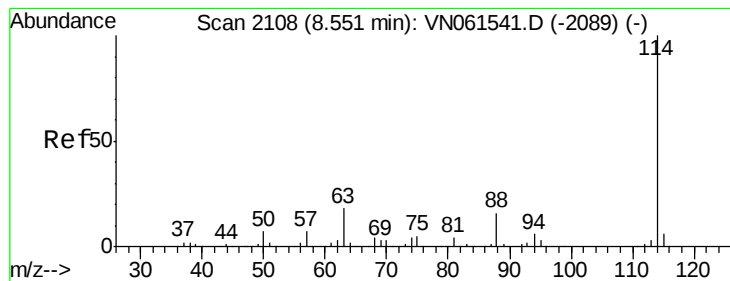
65 100

67 53.7 0.0 104.8



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





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. -0.00 min

Lab File: VN061790.D

Acq: 12 Jun 2020 14:50

Instrument :

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ClientSampleId :

RE134D1-20200608

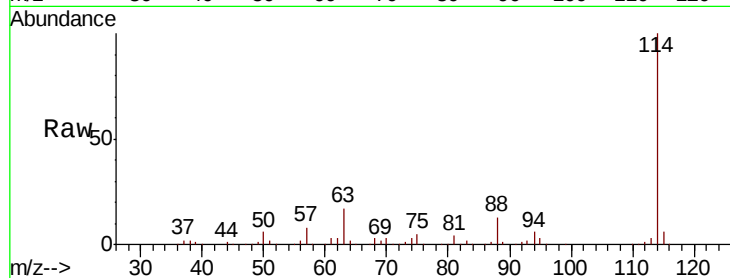
Tot Ion:114 Resp: 445011

Ion Ratio Lower Upper

114 100

63 17.5 0.0 35.8

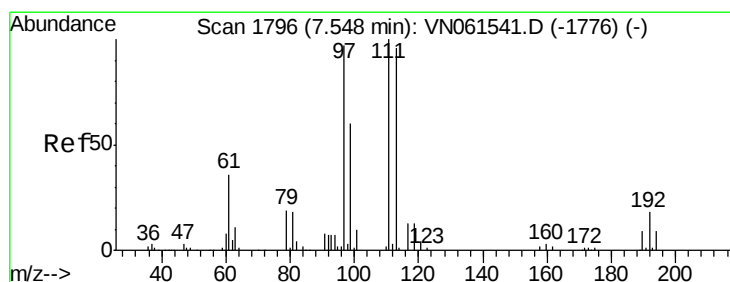
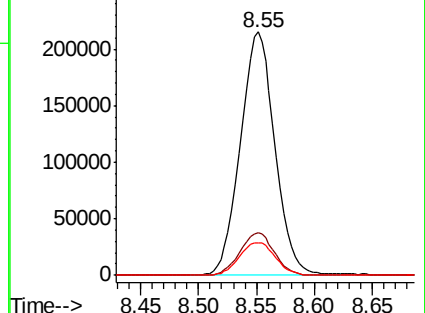
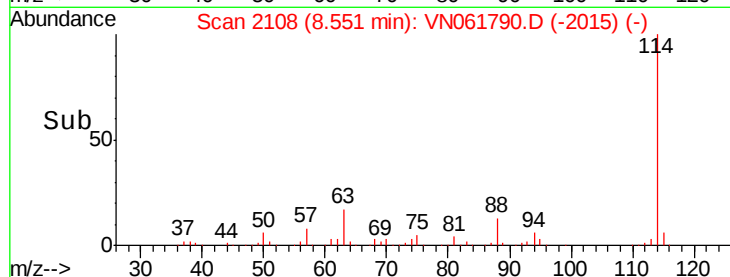
88 13.4 0.0 31.0



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: 57.967 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VN061790.D

Acq: 12 Jun 2020 14:50

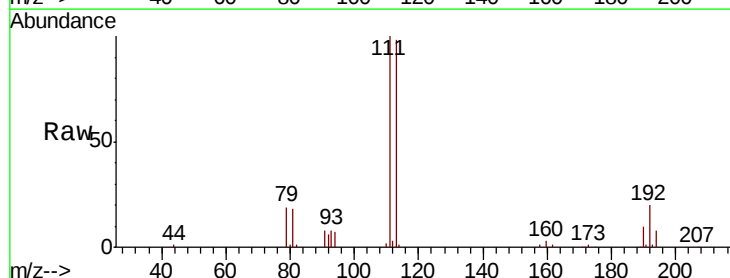
Tgt Ion:113 Resp: 130858

Ion Ratio Lower Upper

113 100

111 101.4 83.4 125.0

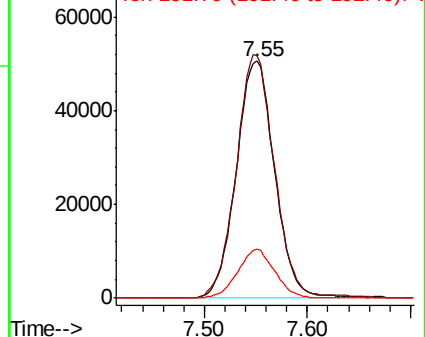
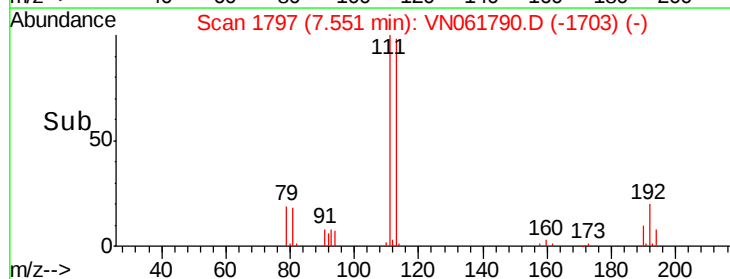
192 19.9 15.4 23.2

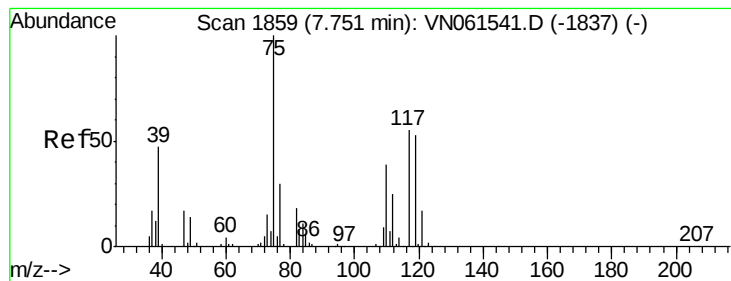


Abundance Ion 112.80 (112.50 to 113.50): V

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: 7.63 min Scan# 1821

Delta R.T. -0.12 min

Lab File: VN061790.D

Acq: 12 Jun 2020 14:50

Instrument :

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ClientSampleId :

RE134D1-20200608

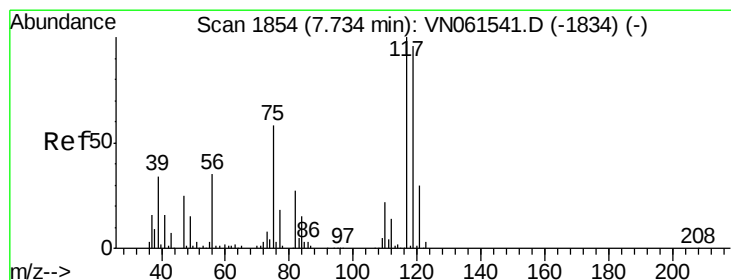
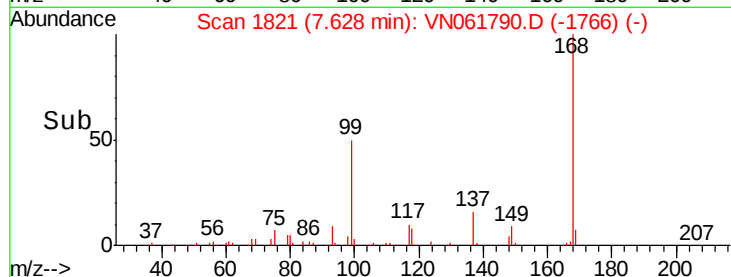
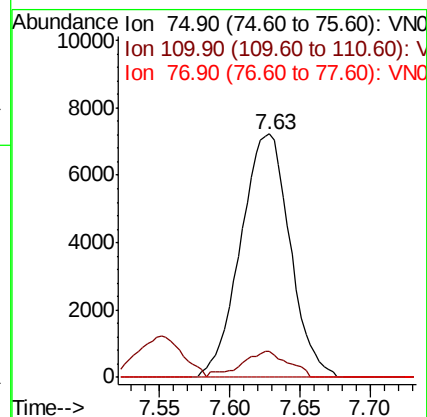
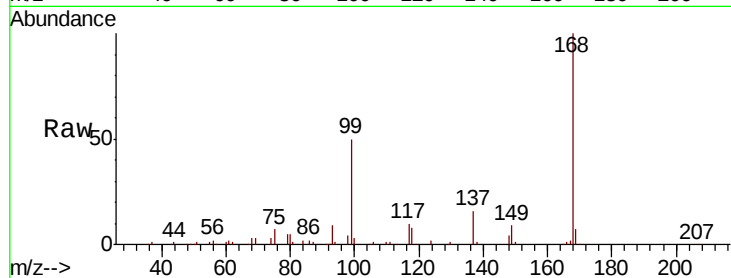
Tot Ion: 75 Resp: 17659

Ion Ratio Lower Upper

75 100

110 10.1 19.5 58.5#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 6.494 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN061790.D

Acq: 12 Jun 2020 14:50

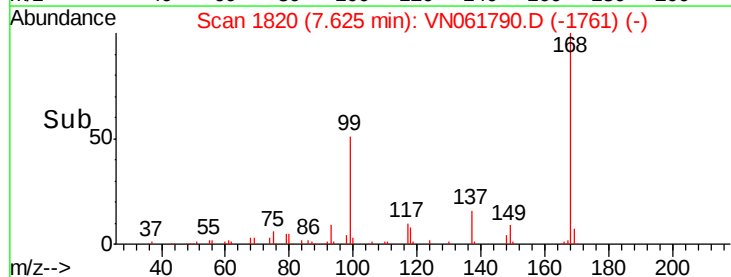
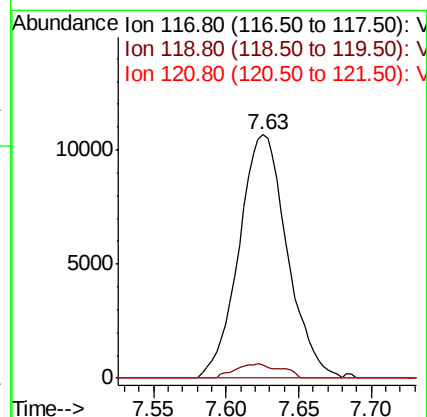
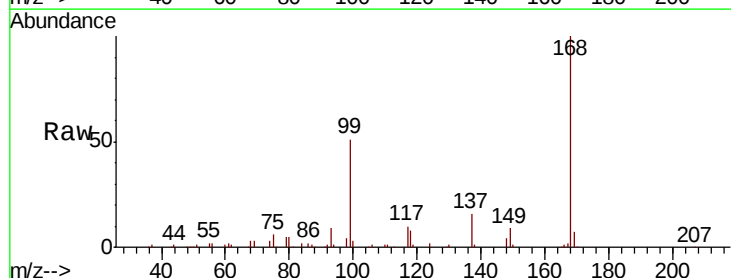
Tgt Ion: 117 Resp: 24678

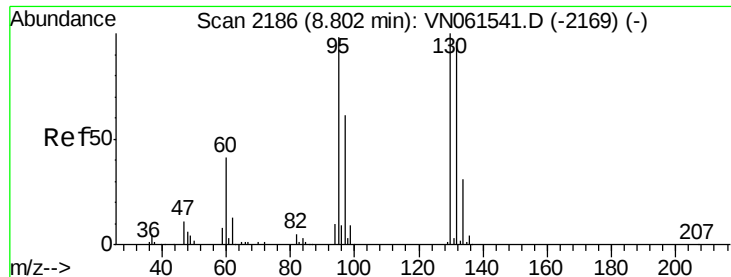
Ion Ratio Lower Upper

117 100

119 5.3 76.5 114.7#

121 0.0 24.1 36.1#

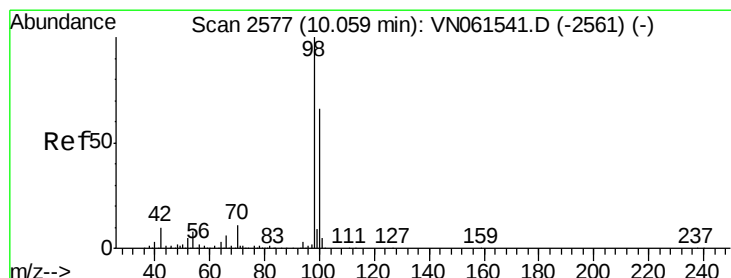
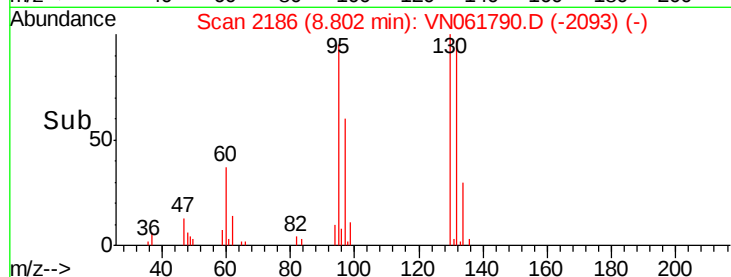
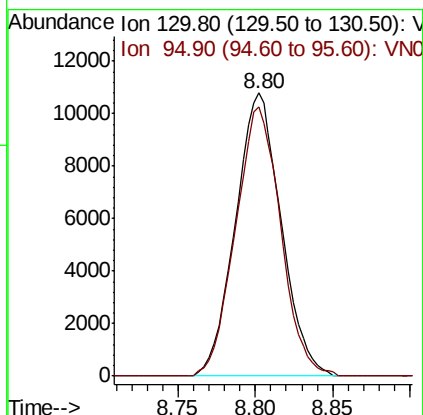
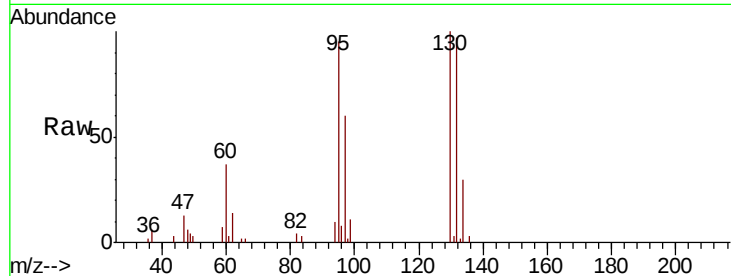




#44
 Trichloroethene
 Concen: 5.923 ug/l
 RT: 8.80 min Scan# 2186
 Delta R.T. -0.00 min
 Lab File: VN061790.D
 Acq: 12 Jun 2020 14:50

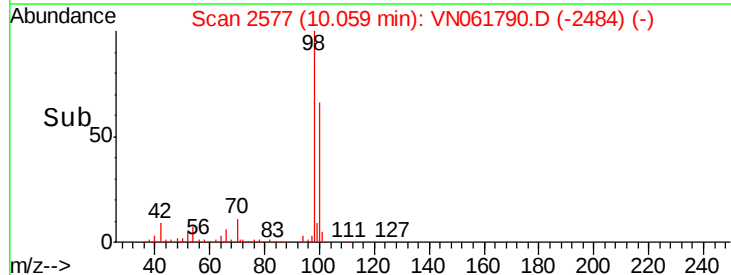
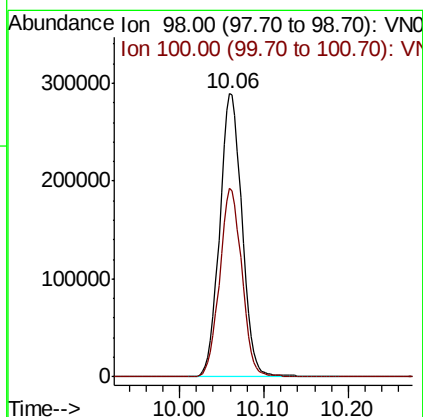
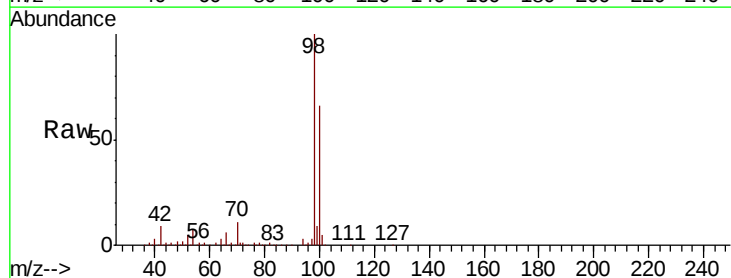
Instrument :
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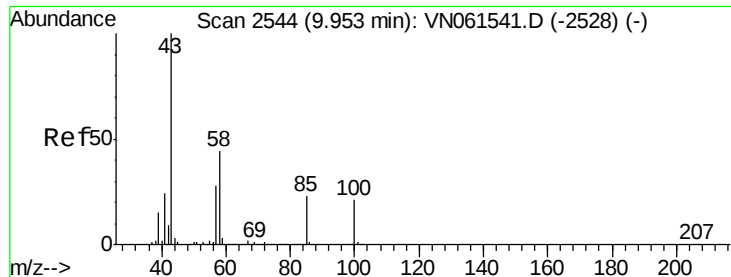
Tot Ion:130 Resp: 22126
 Ion Ratio Lower Upper
 130 100
 95 95.3 0.0 196.6



#50
 Toluene-d8
 Concen: 50.927 ug/l
 RT: 10.06 min Scan# 2577
 Delta R.T. -0.00 min
 Lab File: VN061790.D
 Acq: 12 Jun 2020 14:50

Tgt Ion: 98 Resp: 532764
 Ion Ratio Lower Upper
 98 100
 100 66.3 52.8 79.2





#51

4-Methyl-2-Pentanone

Concen: 0.634 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.11 min

Lab File: VN061790.D

Acq: 12 Jun 2020 14:50

Instrument :

MSVOA_N

ClientSampleId :

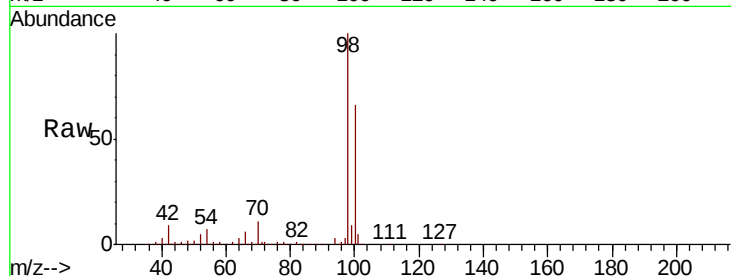
RE134D1-20200608

Tot Ion: 43 Resp: 2041

Ion Ratio Lower Upper

43 100

58 100.4 35.0 52.6#



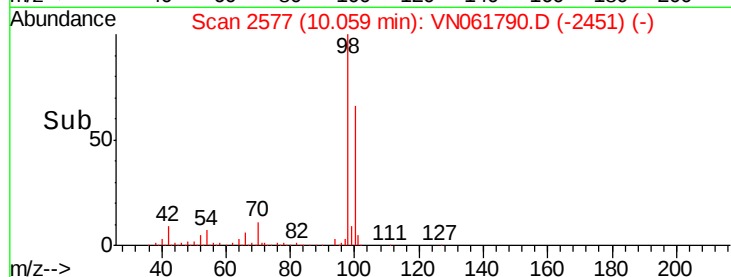
Abundance Ion 43.00 (42.70 to 43.70): VN061790.D (-2528) (-)

Ion 58.00 (57.70 to 58.70): VN061790.D (-2528) (-)

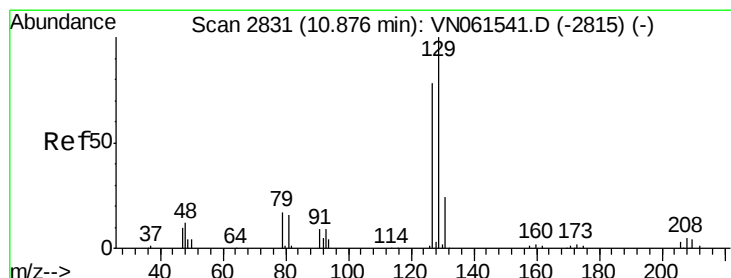
10.06

10.05

10.10



Time-->



#60

Dibromochloromethane

Concen: 0.635 ug/l

RT: 10.60 min Scan# 2746

Delta R.T. -0.27 min

Lab File: VN061790.D

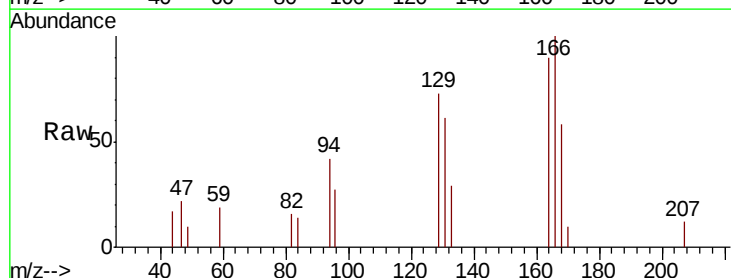
Acq: 12 Jun 2020 14:50

Tgt Ion: 129 Resp: 2283

Ion Ratio Lower Upper

129 100

127 0.0 38.8 116.3#



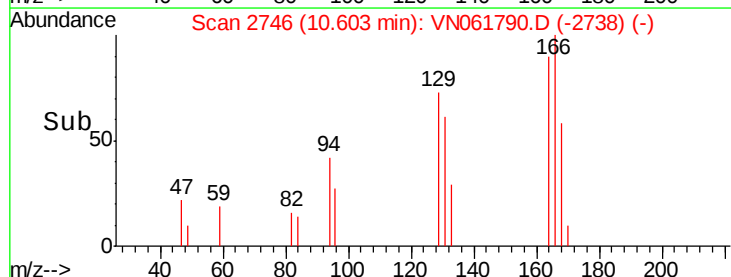
Abundance Ion 128.80 (128.50 to 129.50): VN061790.D (-2738) (-)

Ion 126.80 (126.50 to 127.50): VN061790.D (-2738) (-)

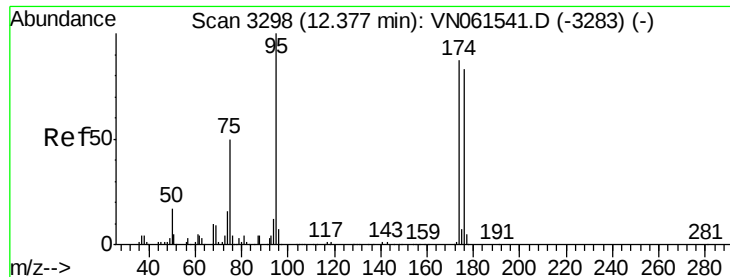
10.60

10.60

10.60



Time-->



#62

4-Bromofluorobenzene

Concen: 47.028 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN061790.D

Acq: 12 Jun 2020 14:50

Instrument :

MSVOA_N

ClientSampleId :

RE134D1-20200608

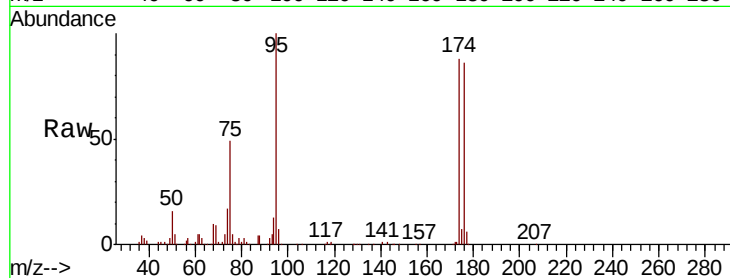
Tot Ion: 95 Resp: 179489

Ion Ratio Lower Upper

95 100

174 89.3 0.0 172.8

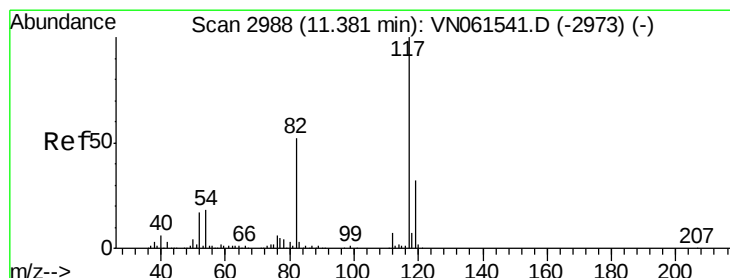
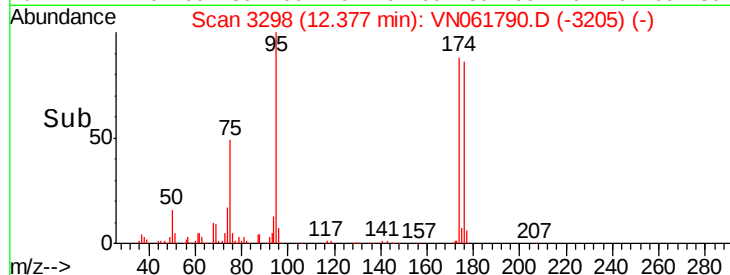
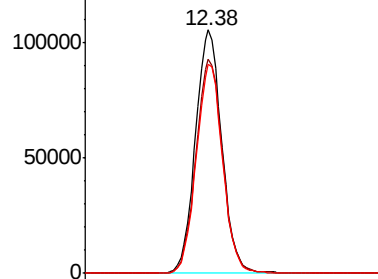
176 86.0 0.0 164.8



Abundance Ion 94.90 (94.60 to 95.60): VN061790.D (-2895) (-)

Ion 173.80 (173.50 to 174.50): VN061790.D (-2895) (-)

Ion 175.80 (175.50 to 176.50): VN061790.D (-2895) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN061790.D

Acq: 12 Jun 2020 14:50

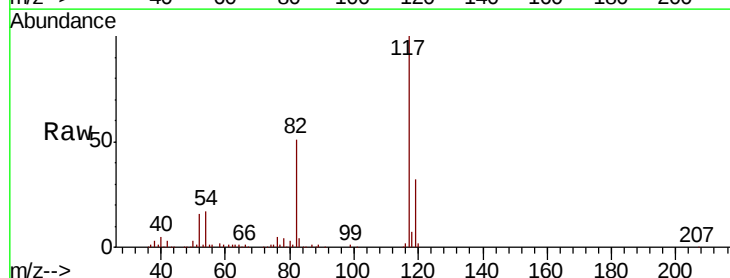
Tgt Ion: 117 Resp: 436520

Ion Ratio Lower Upper

117 100

82 50.5 41.5 62.3

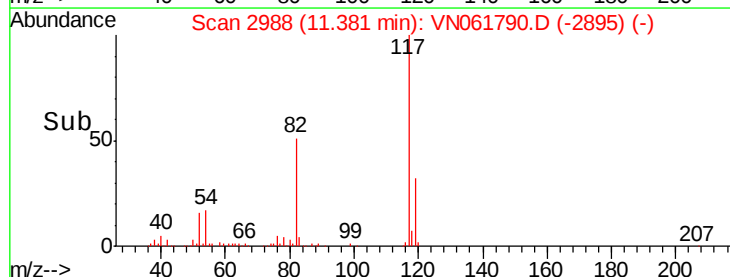
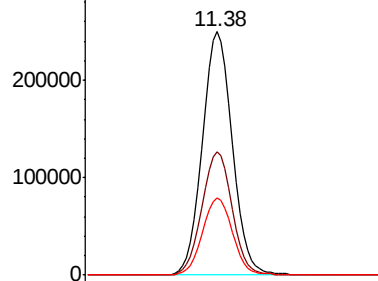
119 31.6 25.6 38.4

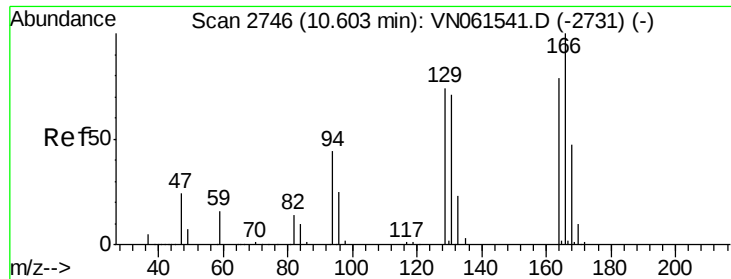


Abundance Ion 116.90 (116.60 to 117.60): VN061790.D (-2895) (-)

Ion 82.00 (81.70 to 82.70): VN061790.D (-2895) (-)

Ion 118.90 (118.60 to 119.60): VN061790.D (-2895) (-)





#64

Tetrachloroethene

Concen: 0.696 ug/l

RT: 10.60 min Scan# 2746

Delta R.T. -0.00 min

Lab File: VN061790.D

Acq: 12 Jun 2020 14:50

Instrument :

MSVOA_N

ClientSampleId :

RE134D1-20200608

Tot Ion:164 Resp: 2861

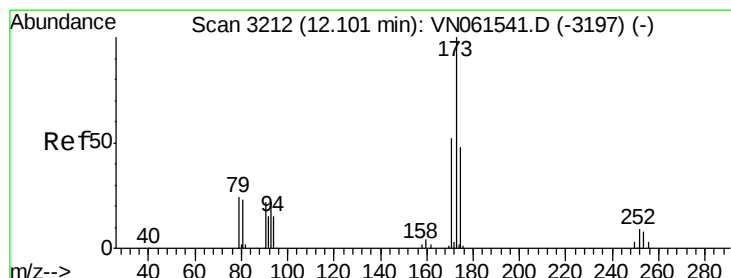
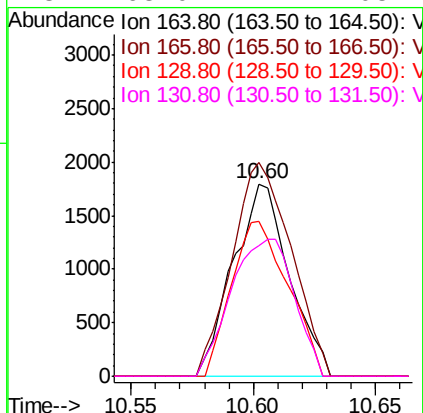
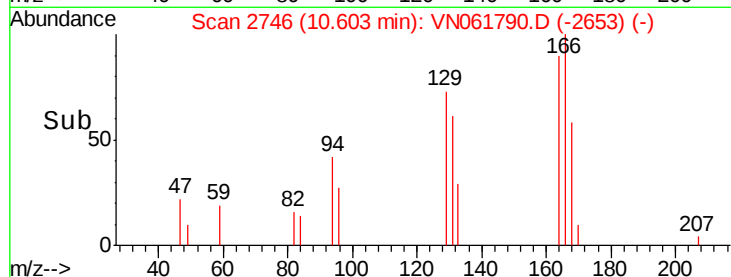
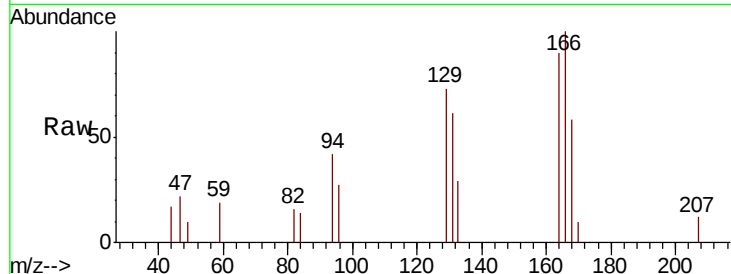
Ion Ratio Lower Upper

164 100

166 111.0 101.5 152.3

129 80.7 74.9 112.3

131 68.0 72.2 108.2#



#71

Bromoform

Concen: 0.522 ug/l

RT: 12.38 min Scan# 3299

Delta R.T. 0.28 min

Lab File: VN061790.D

Acq: 12 Jun 2020 14:50

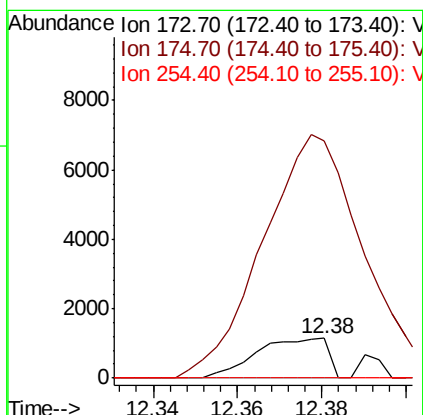
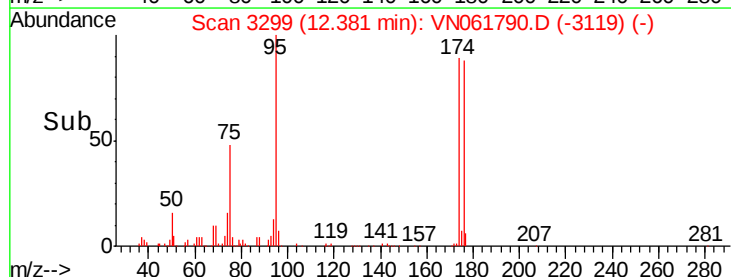
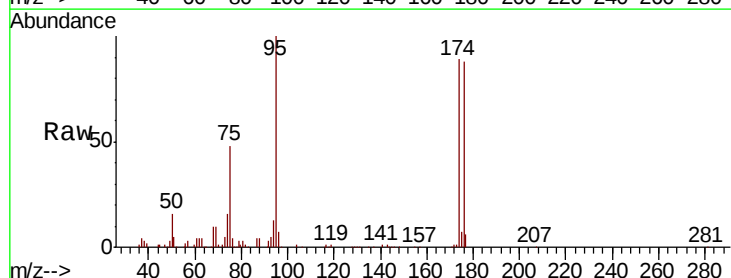
Tgt Ion:173 Resp: 1358

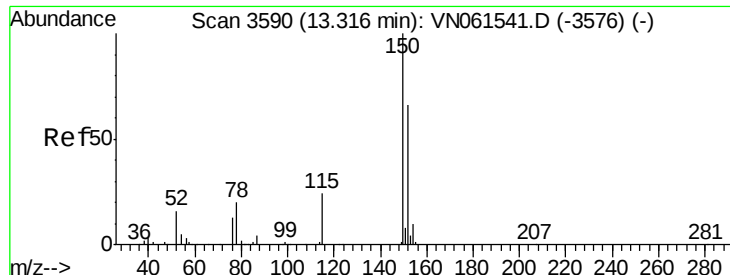
Ion Ratio Lower Upper

173 100

175 705.2 24.4 73.2#

254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN061790.D

Acq: 12 Jun 2020 14:50

Instrument :

MSVOA_N

ClientSampleId :

RE134D1-20200608

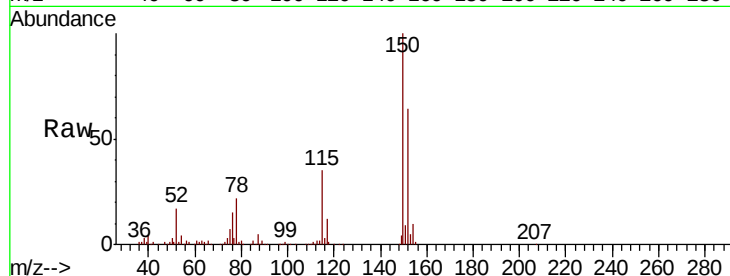
Tot Ion:152 Resp: 189046

Ion Ratio Lower Upper

152 100

115 55.9 28.0 84.0

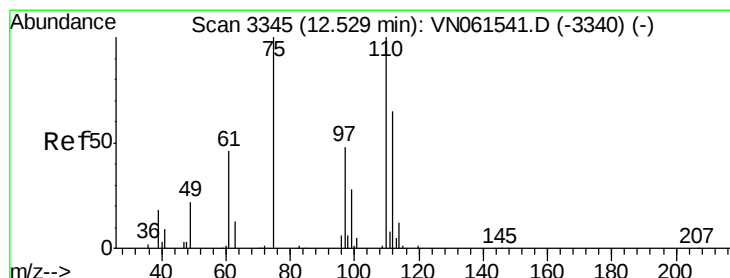
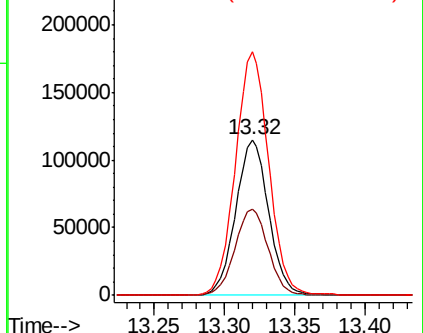
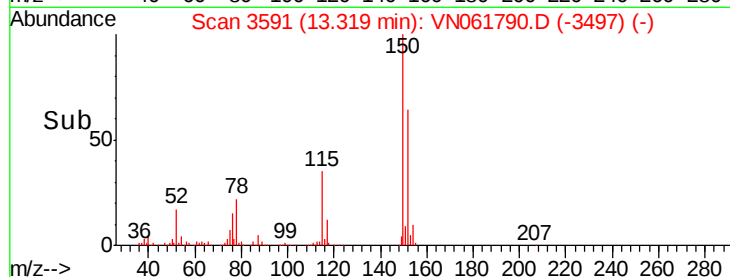
150 157.8 0.0 344.0



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: 25.587 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN061790.D

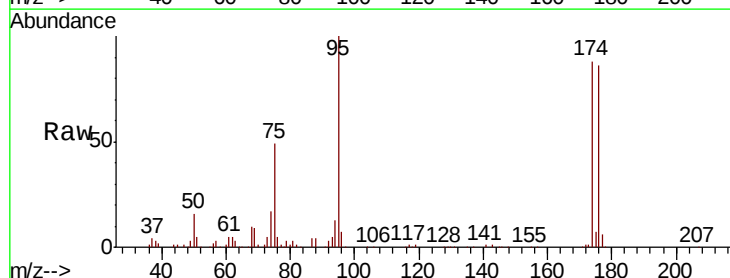
Acq: 12 Jun 2020 14:50

Tgt Ion: 75 Resp: 87956

Ion Ratio Lower Upper

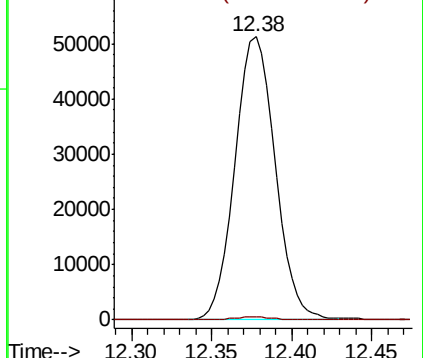
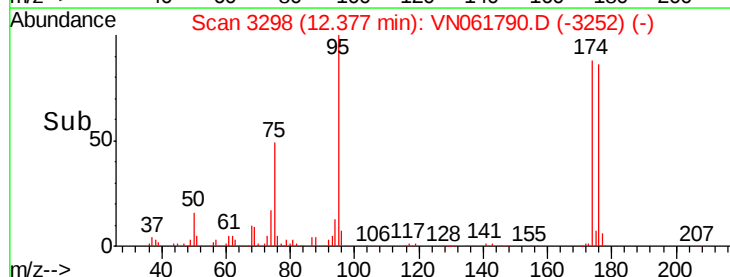
75 100

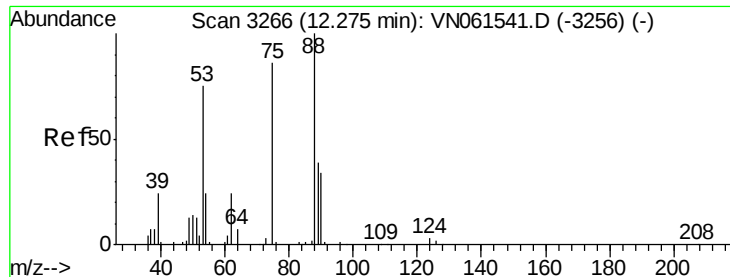
77 0.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 65.432 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN061790.D

Acq: 12 Jun 2020 14:50

Instrument :

MSVOA_N

ClientSampleId :

RE134D1-20200608

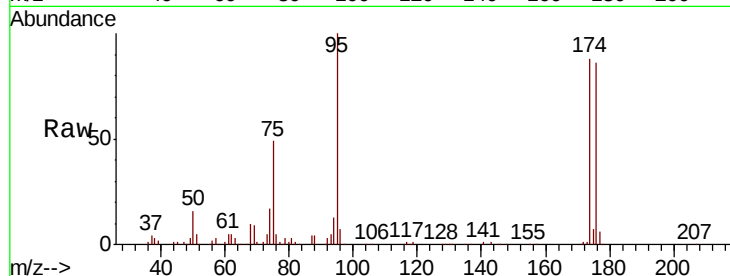
Tot Ion: 75 Resp: 87956

Ion Ratio Lower Upper

75 100

53 0.0 67.8 101.8#

89 0.0 37.1 55.7#



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

