

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062220\
 Data File : VN062009.D
 Acq On : 22 Jun 2020 19:07
 Operator : JC/MD
 Sample : L3043-17
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE120D3-20200615

Quant Time: Jun 23 05:19:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 17 01:19:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	141707	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	263231	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	256328	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	93941	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	101757	53.54	ug/l	0.00
Spiked Amount			Recovery	=	107.08%	
35) Dibromofluoromethane	7.55	113	85585	50.82	ug/l	0.00
Spiked Amount			Recovery	=	101.64%	
50) Toluene-d8	10.06	98	335878	50.73	ug/l	0.00
Spiked Amount			Recovery	=	101.46%	
62) 4-Bromofluorobenzene	12.38	95	109418	48.18	ug/l	0.00
Spiked Amount			Recovery	=	96.36%	

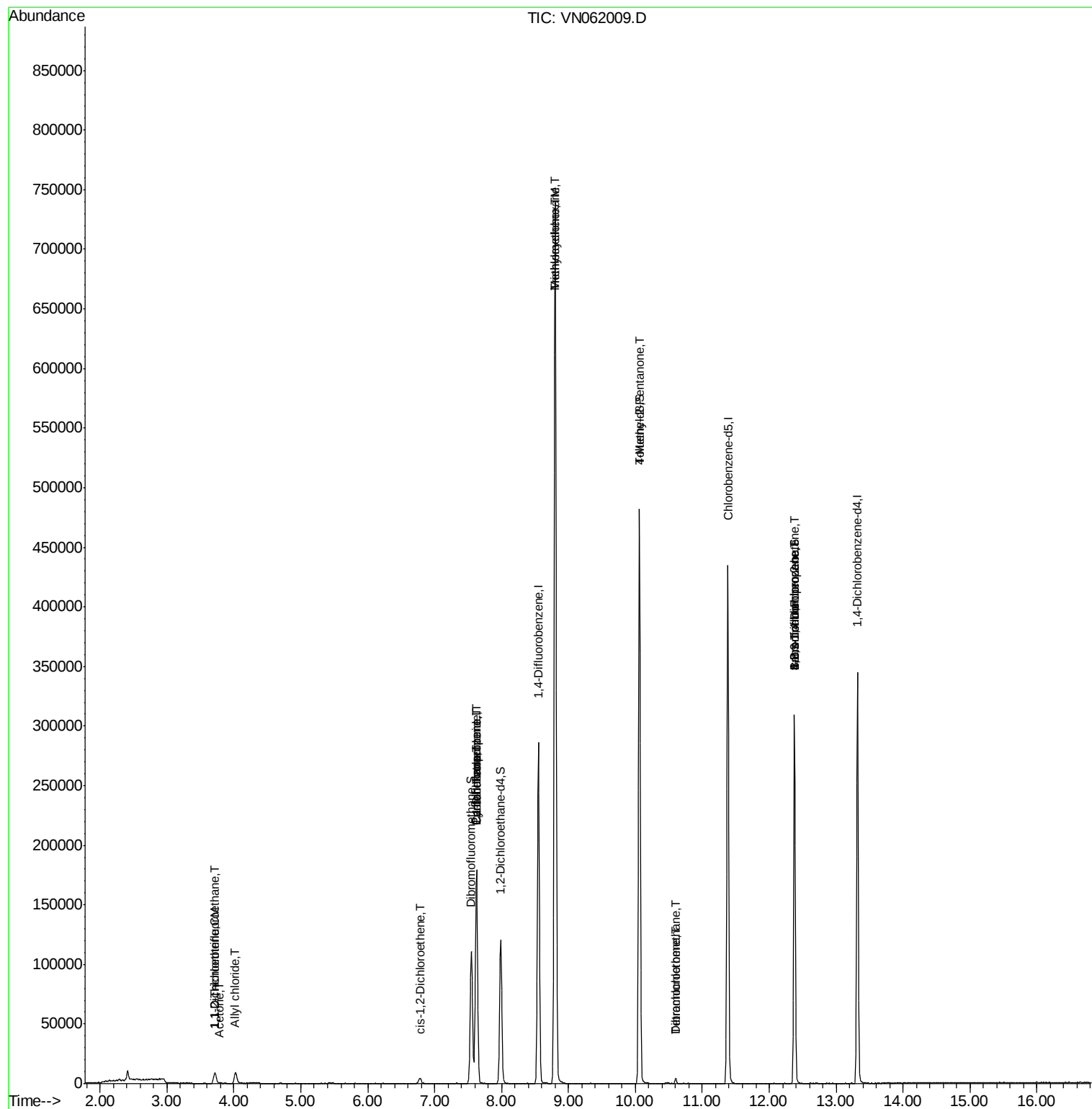
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	3.72	101	5949	4.140	ug/l	99
12) 1,1-Dichloroethene	3.70	96	843	0.585	ug/l #	58
14) Allyl chloride	4.02	41	1654	0.866	ug/l #	57
16) Acetone	3.79	43	1654	2.946	ug/l	90
27) cis-1,2-Dichloroethene	6.78	96	1022	0.536	ug/l	76
31) Cyclohexane	7.63	56	3223	1.287	ug/l #	10
36) 1,1-Dichloropropene	7.63	75	11744	4.891	ug/l #	48
38) Carbon Tetrachloride	7.63	117	14514	6.104	ug/l #	17
39) Methylcyclohexane	8.80	83	3544	1.371	ug/l #	1
44) Trichloroethene	8.80	130	275606	143.989	ug/l	99
51) 4-Methyl-2-Pentanone	10.06	43	1346	0.721	ug/l #	1
60) Dibromochloromethane	10.61	129	1038	0.518	ug/l #	11
64) Tetrachloroethene	10.61	164	984	0.602	ug/l #	91
71) Bromoform	12.38	173	1074	0.781	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	54498	29.549	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	54498	80.594	ug/l #	14

(#) = 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: VN062009.D

Acq: 22 Jun 2020 19:07

Instrument :

MSVOA_N

ClientSampleId :

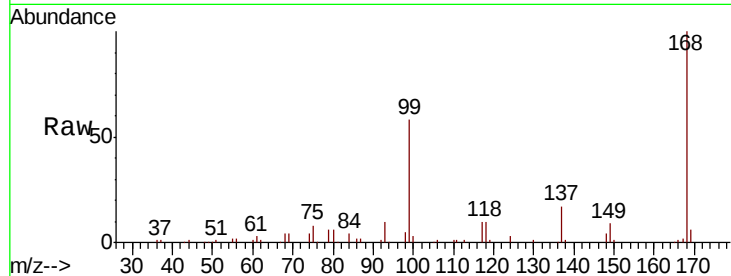
RE120D3-20200615

Tot Ion:168 Resp: 141707

Ion Ratio Lower Upper

168 100

99 58.1 44.6 67.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.63

60000

40000

20000

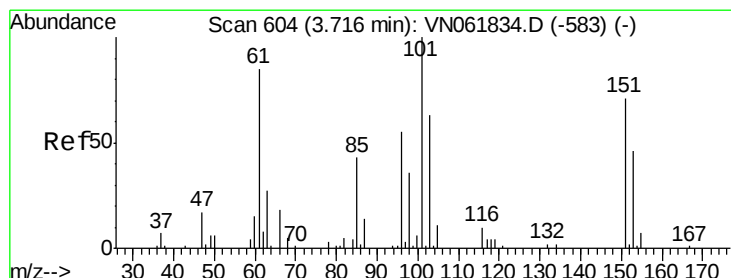
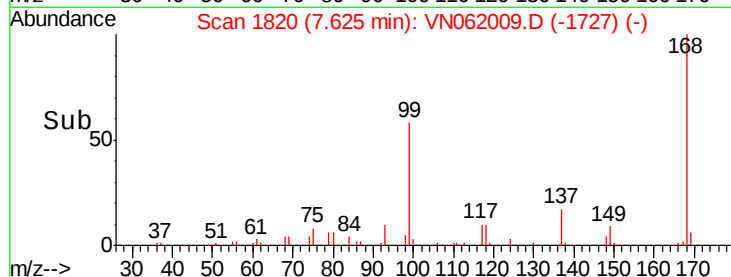
0

Time-->

7.50

7.60

7.70



#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.140 ug/l

RT: 3.72 min Scan# 604

Delta R.T. 0.00 min

Lab File: VN062009.D

Acq: 22 Jun 2020 19:07

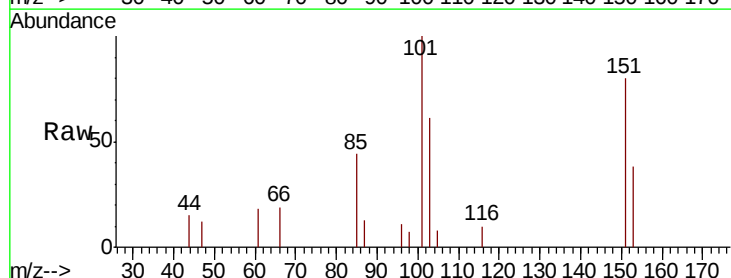
Tgt Ion:101 Resp: 5949

Ion Ratio Lower Upper

101 100

85 42.8 35.0 52.6

151 72.9 59.2 88.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V

3.72

2500

2000

1500

1000

500

0

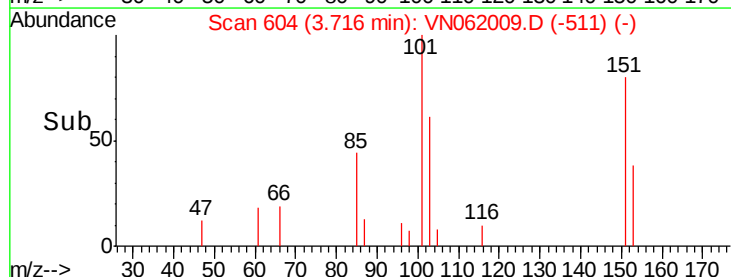
Time-->

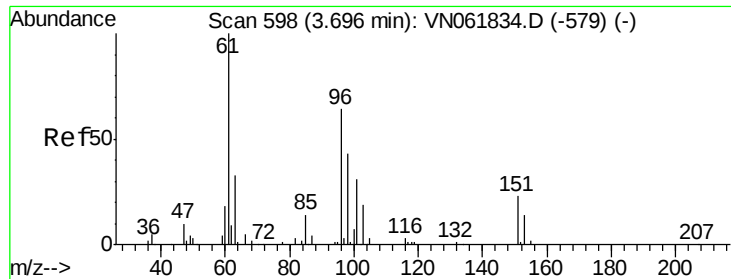
3.65

3.70

3.75

3.80

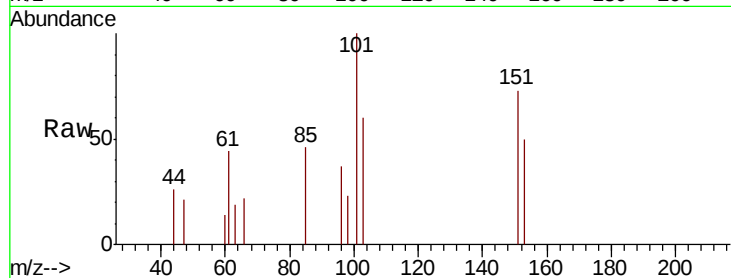




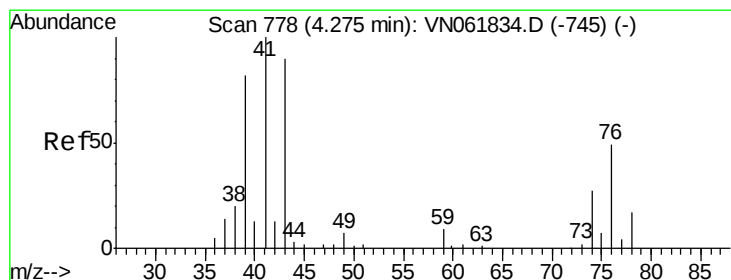
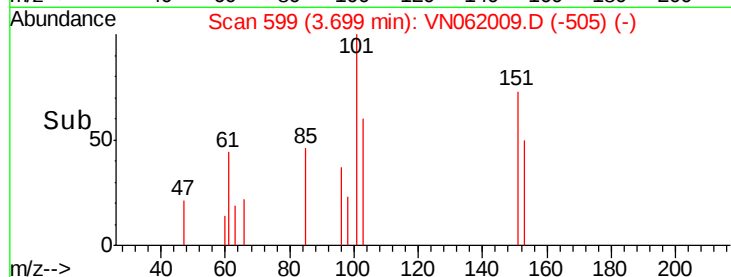
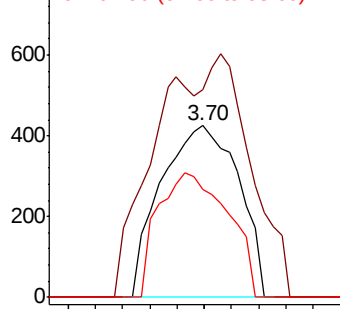
#12
 1,1-Dichloroethene
 Concen: 0.585 ug/l
 RT: 3.70 min Scan# 599
 Delta R.T. 0.00 min
 Lab File: VN062009.D
 Acq: 22 Jun 2020 19:07

Instrument :
 MSVOA_N
 ClientSampleId :
 RE120D3-20200615

Tot Ion: 96 Resp: 843
 Ion Ratio Lower Upper
 96 100
 61 80.0 124.3 186.5#
 98 62.8 53.1 79.7

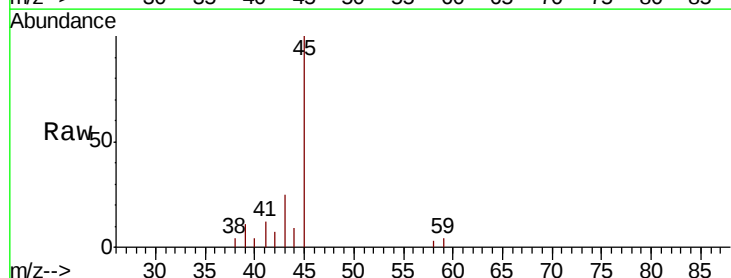


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

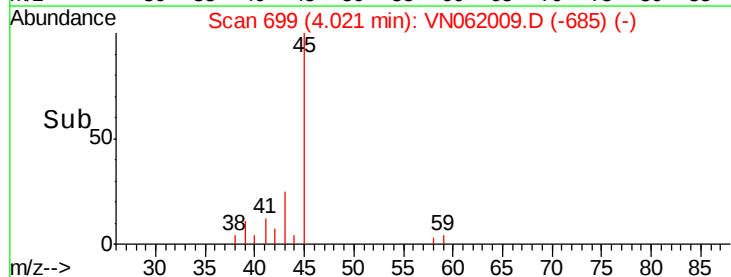
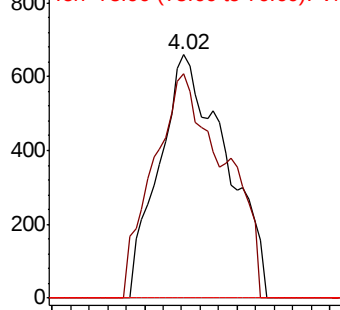


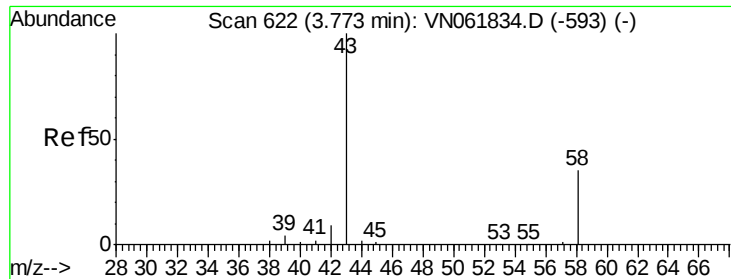
#14
 Allyl chloride
 Concen: 0.866 ug/l
 RT: 4.02 min Scan# 699
 Delta R.T. -0.25 min
 Lab File: VN062009.D
 Acq: 22 Jun 2020 19:07

Tgt Ion: 41 Resp: 1654
 Ion Ratio Lower Upper
 41 100
 39 98.1 60.2 90.2#
 76 0.0 36.3 54.5#



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: 2.946 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN062009.D

Acq: 22 Jun 2020 19:07

Instrument :

MSVOA_N

ClientSampleId :

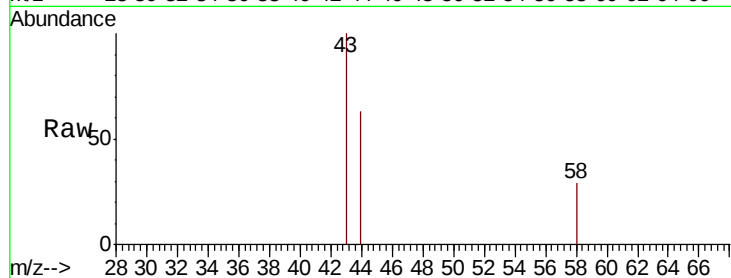
RE120D3-20200615

Tot Ion: 43 Resp: 1654

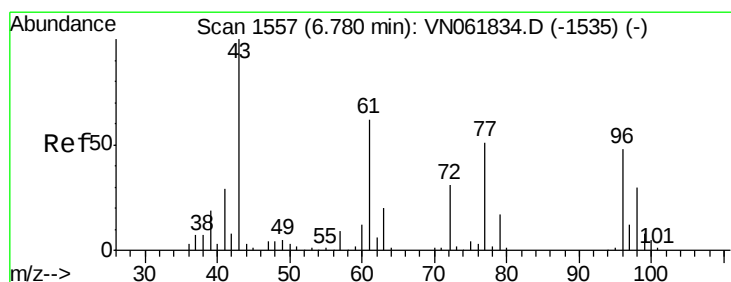
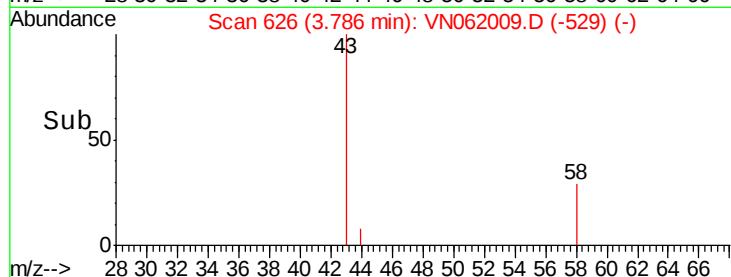
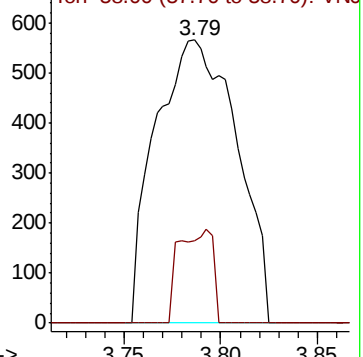
Ion Ratio Lower Upper

43 100

58 29.0 27.8 41.8



Abundance Ion 43.00 (42.70 to 43.70): VN061834.D (-593) (-)



#27

cis-1,2-Dichloroethene

Concen: 0.536 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. 0.00 min

Lab File: VN062009.D

Acq: 22 Jun 2020 19:07

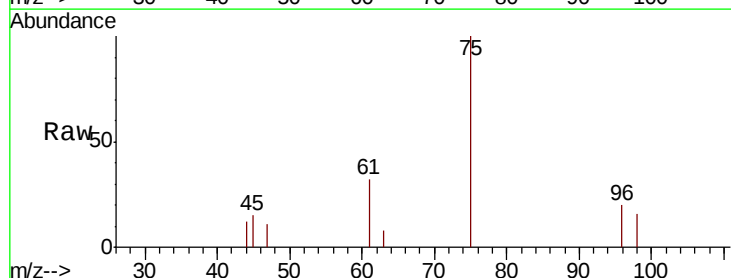
Tgt Ion: 96 Resp: 1022

Ion Ratio Lower Upper

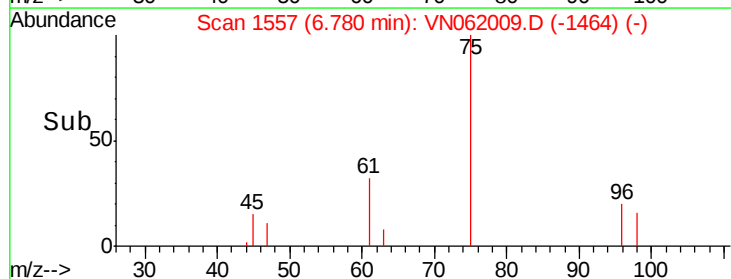
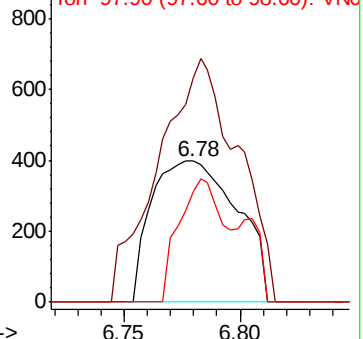
96 100

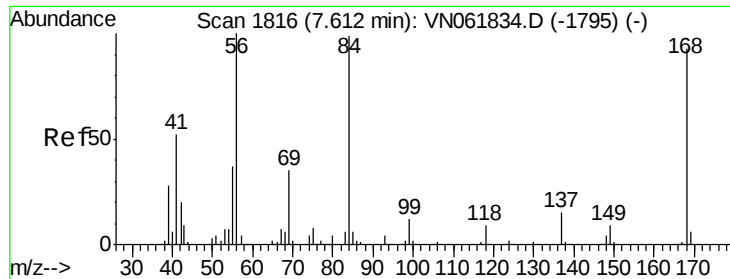
61 161.1 0.0 265.6

98 44.2 0.0 128.2



Abundance Ion 95.90 (95.60 to 96.60): VN061834.D (-1535) (-)

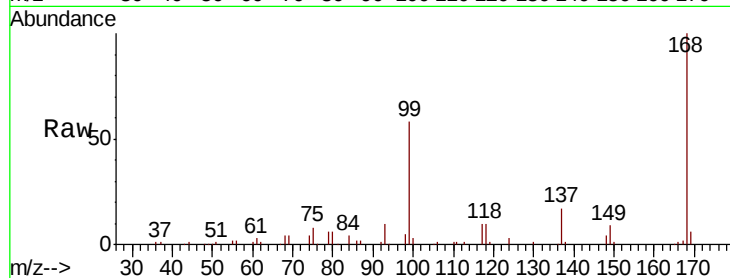




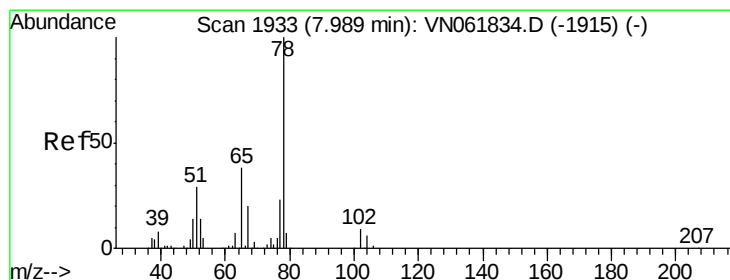
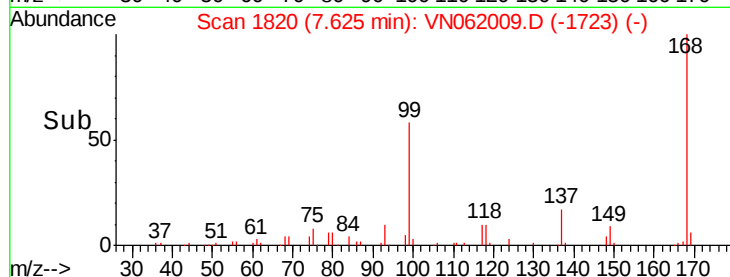
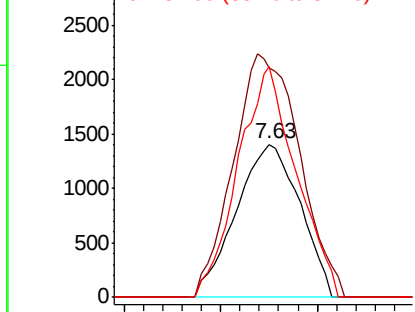
#31
Cyclohexane
Concen: 1.287 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. 0.01 min
Lab File: VN062009.D
Acq: 22 Jun 2020 19:07

Instrument :
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RE120D3-20200615

Tot Ion: 56 Resp: 3223
Ion Ratio Lower Upper
56 100
69 149.8 27.7 41.5#
84 150.6 79.1 118.7#

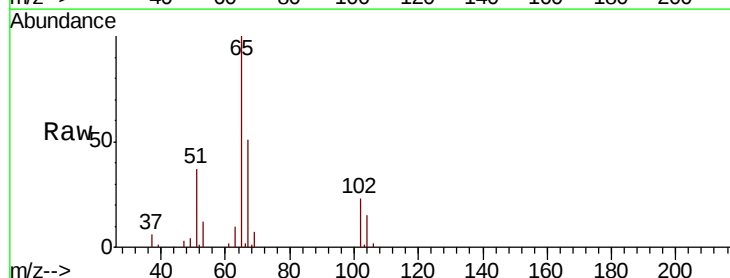


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

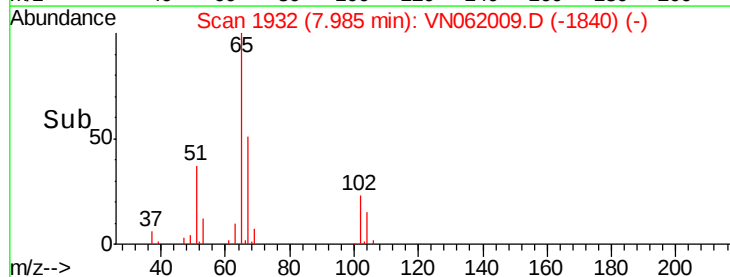
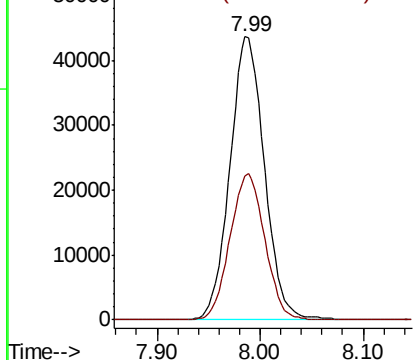


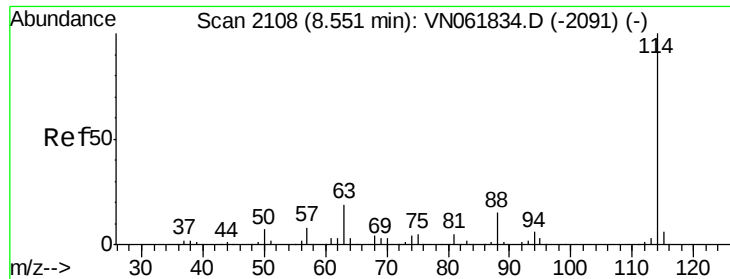
#33
1,2-Dichloroethane-d4
Concen: 53.542 ug/l
RT: 7.99 min Scan# 1932
Delta R.T. -0.00 min
Lab File: VN062009.D
Acq: 22 Jun 2020 19:07

Tgt Ion: 65 Resp: 101757
Ion Ratio Lower Upper
65 100
67 52.0 0.0 106.2



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

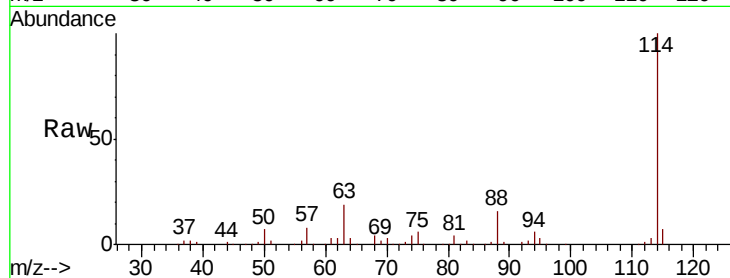




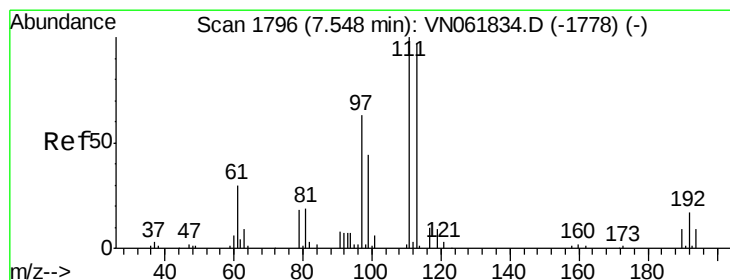
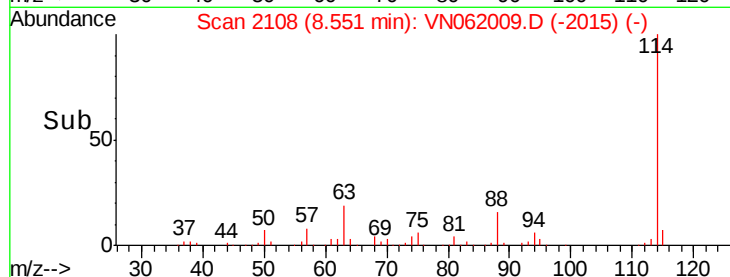
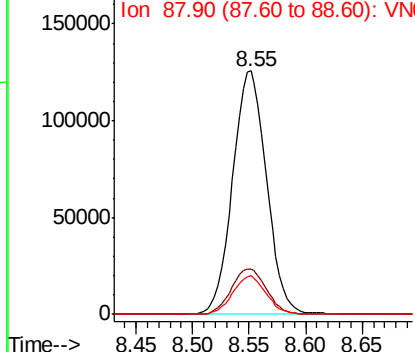
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2108
Delta R.T. 0.00 min
Lab File: VN062009.D
Acq: 22 Jun 2020 19:07

Instrument :
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Tot Ion:114 Resp: 263231
Ion Ratio Lower Upper
114 100
63 18.7 0.0 37.6
88 15.7 0.0 31.0

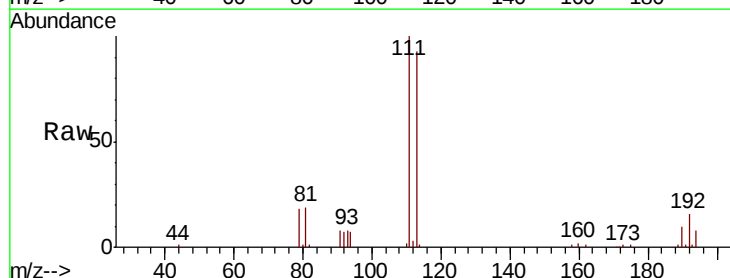


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

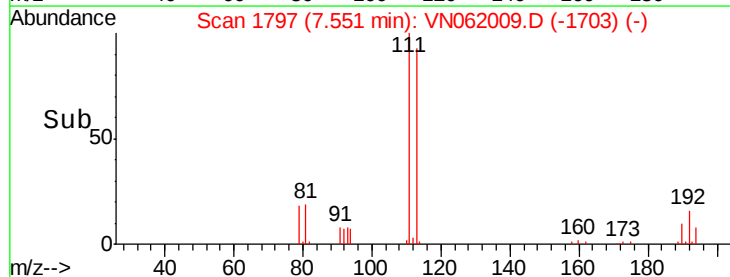
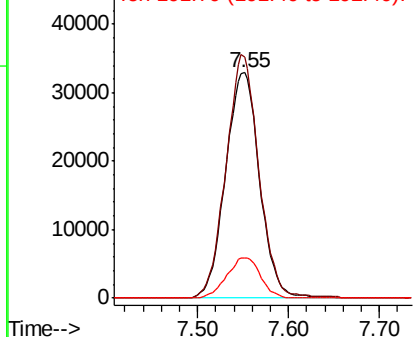


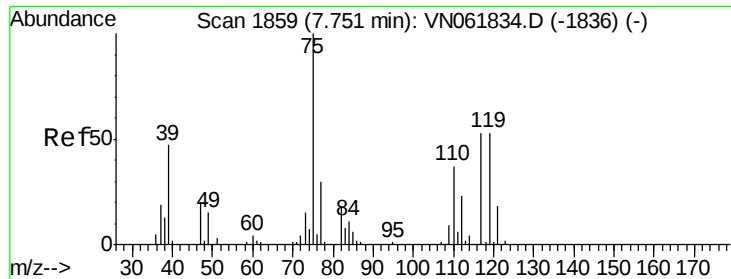
#35
Dibromofluoromethane
Concen: 50.822 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VN062009.D
Acq: 22 Jun 2020 19:07

Tgt Ion:113 Resp: 85585
Ion Ratio Lower Upper
113 100
111 104.5 83.7 125.5
192 17.5 13.9 20.9



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

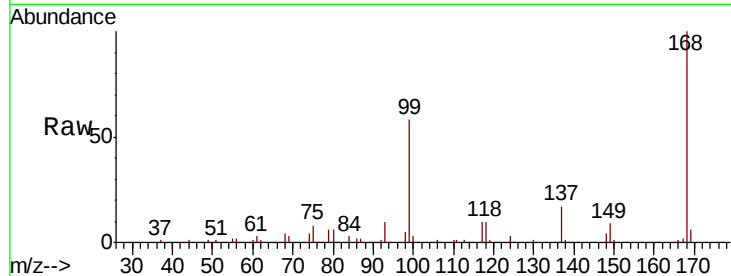




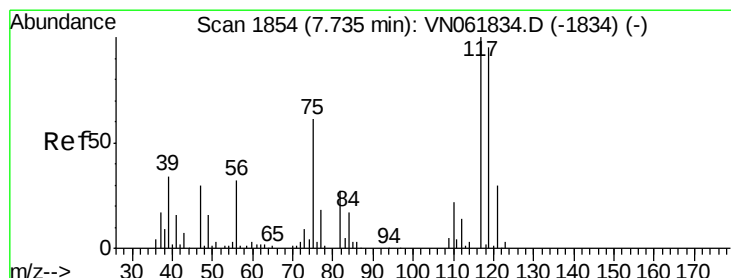
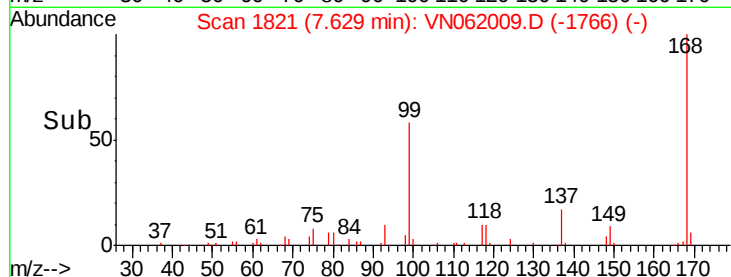
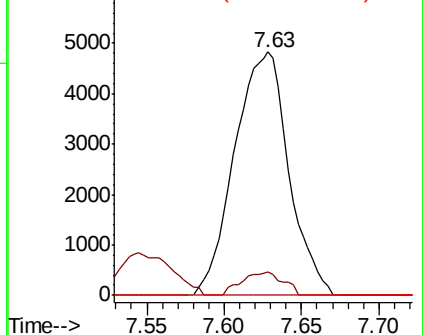
#36
 1,1-Dichloropropene
 Concen: 4.891 ug/l
 RT: 7.63 min Scan# 1821
 Delta R.T. -0.12 min
 Lab File: VN062009.D
 Acq: 22 Jun 2020 19:07

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Tot Ion: 75 Resp: 11744
 Ion Ratio Lower Upper
 75 100
 110 7.2 18.2 54.6#
 77 0.0 24.2 36.4#

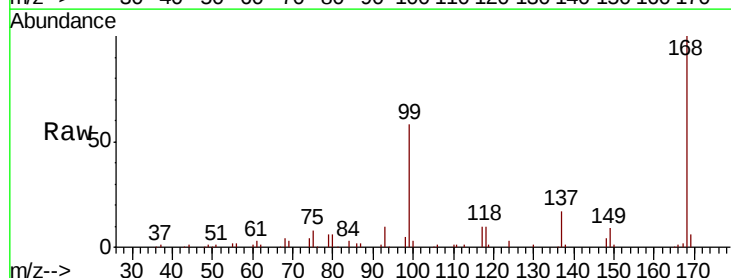


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

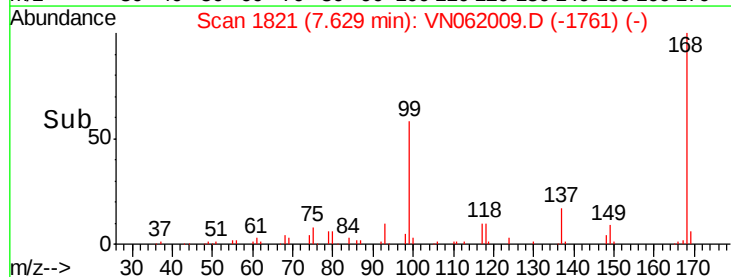
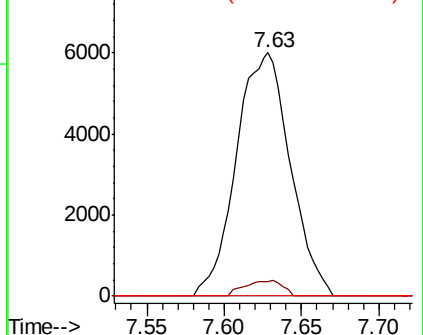


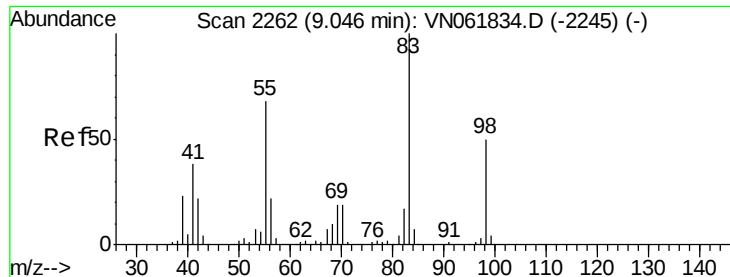
#38
 Carbon Tetrachloride
 Concen: 6.104 ug/l
 RT: 7.63 min Scan# 1821
 Delta R.T. -0.11 min
 Lab File: VN062009.D
 Acq: 22 Jun 2020 19:07

Tgt Ion: 117 Resp: 14514
 Ion Ratio Lower Upper
 117 100
 119 6.1 75.8 113.6#
 121 0.0 23.8 35.6#



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





#39

Methylcyclohexane

Concen: 1.371 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. -0.24 min

Lab File: VN062009.D

Acq: 22 Jun 2020 19:07

Instrument :

MSVOA_N

ClientSampleId :

RE120D3-20200615

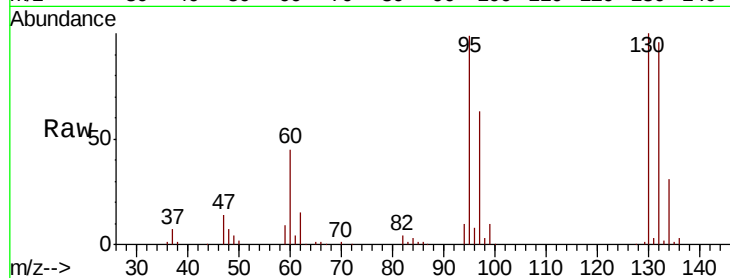
Tot Ion: 83 Resp: 3544

Ion Ratio Lower Upper

83 100

55 0.0 54.2 81.4#

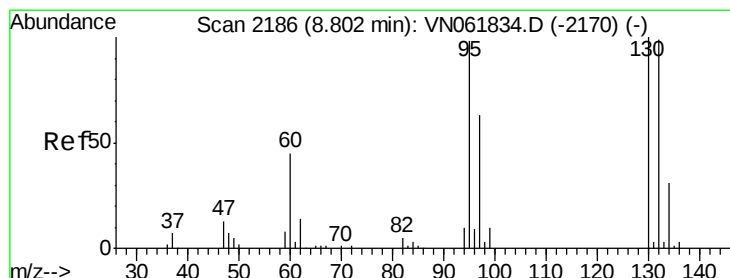
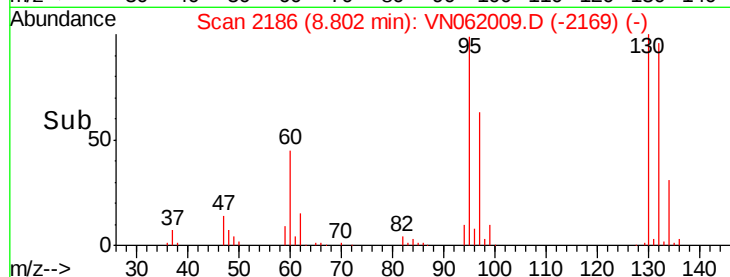
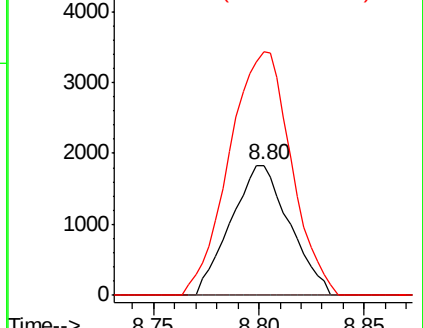
98 187.3 39.8 59.6#



Abundance Ion 83.00 (82.70 to 83.70): VN061834.D (-2245) (-)

Ion 55.00 (54.70 to 55.70): VN061834.D (-2245) (-)

Ion 98.00 (97.70 to 98.70): VN061834.D (-2245) (-)



#44

Trichloroethene

Concen: 143.989 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. 0.00 min

Lab File: VN062009.D

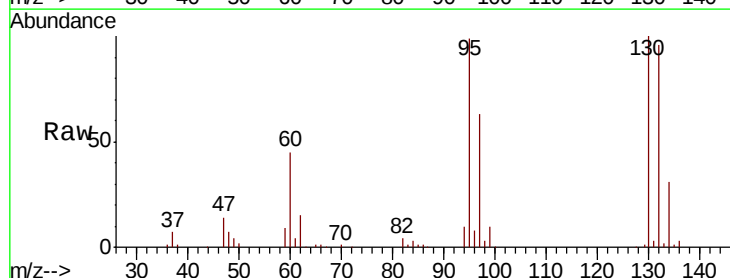
Acq: 22 Jun 2020 19:07

Tgt Ion:130 Resp: 275606

Ion Ratio Lower Upper

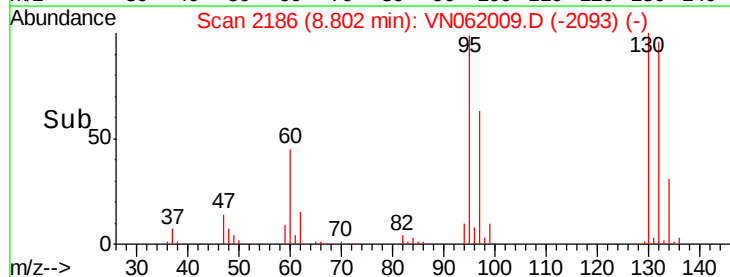
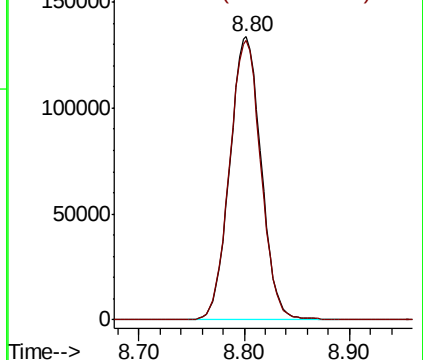
130 100

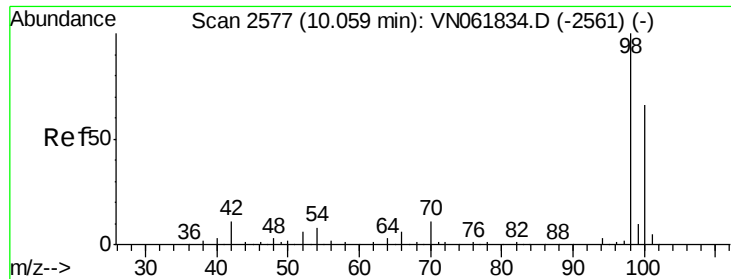
95 98.6 0.0 195.6



Abundance Ion 129.80 (129.50 to 130.50): VN061834.D (-2170) (-)

Ion 94.90 (94.60 to 95.60): VN061834.D (-2170) (-)





#50

Toluene-d8

Concen: 50.733 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN062009.D

Acq: 22 Jun 2020 19:07

Instrument :

MSVOA_N

ClientSampleId :

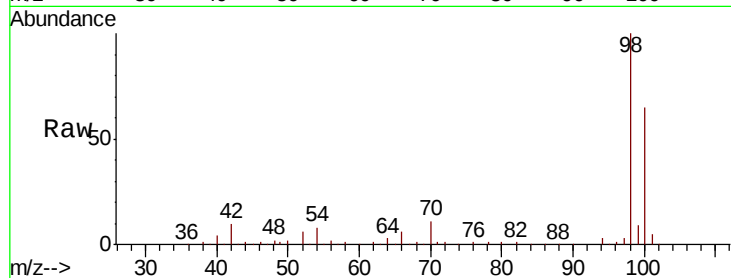
RE120D3-20200615

Tot Ion: 98 Resp: 335878

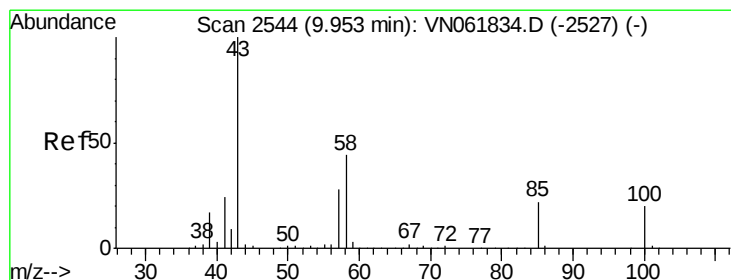
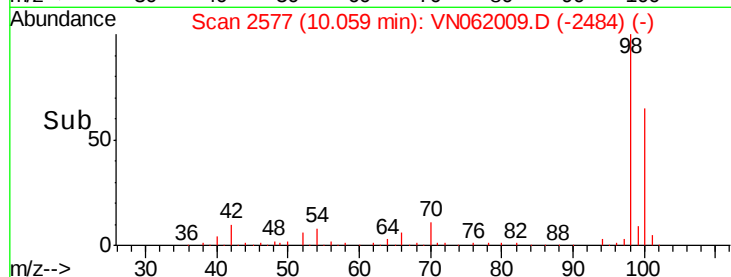
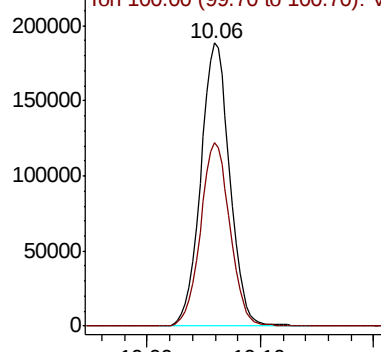
Ion Ratio Lower Upper

98 100

100 65.8 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VN061834.D (-2561) (-)



#51

4-Methyl-2-Pentanone

Concen: 0.721 ug/l

RT: 10.06 min Scan# 2576

Delta R.T. 0.10 min

Lab File: VN062009.D

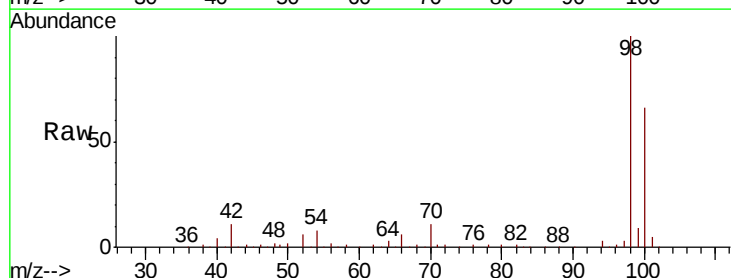
Acq: 22 Jun 2020 19:07

Tgt Ion: 43 Resp: 1346

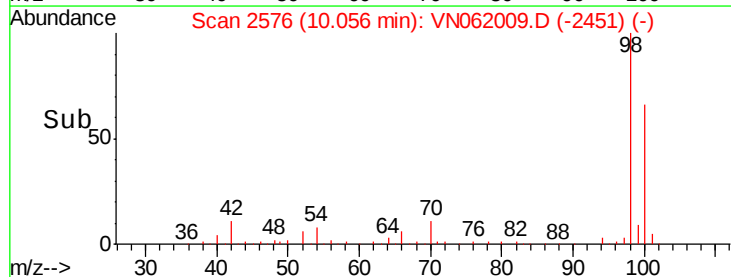
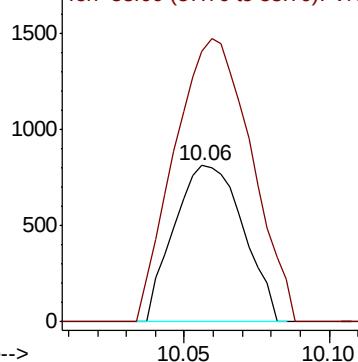
Ion Ratio Lower Upper

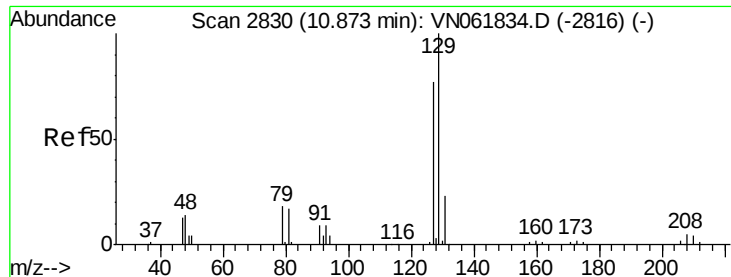
43 100

58 201.3 34.6 52.0#



Abundance Ion 43.00 (42.70 to 43.70): VN061834.D (-2527) (-)

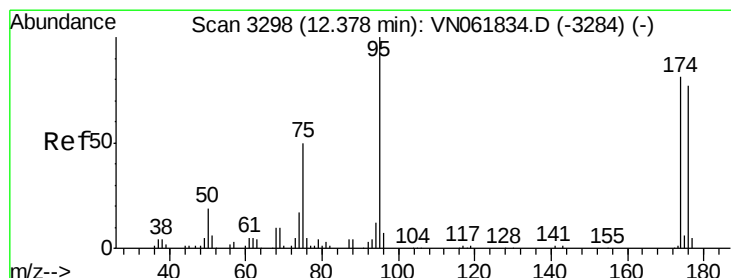
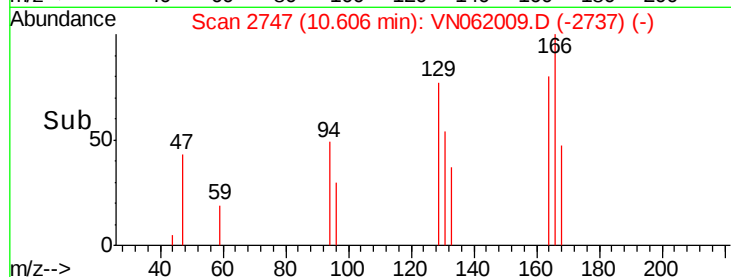
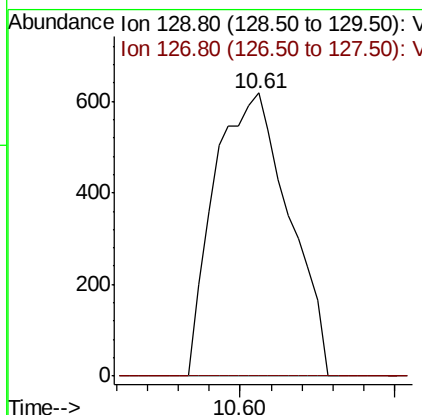
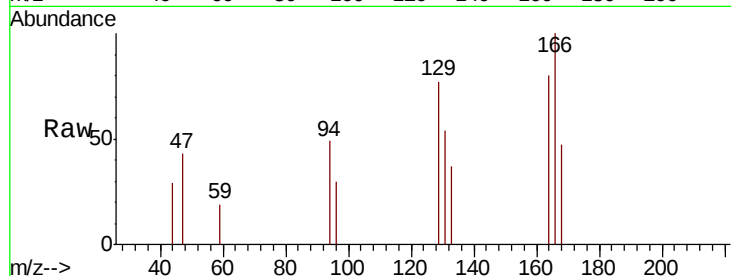




#60
Dibromochloromethane
Concen: 0.518 ug/l
RT: 10.61 min Scan# 2747
Delta R.T. -0.27 min
Lab File: VN062009.D
Acq: 22 Jun 2020 19:07

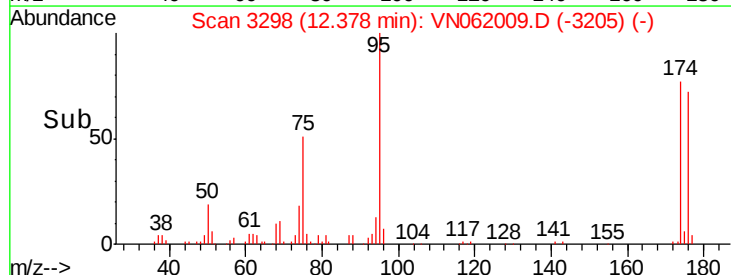
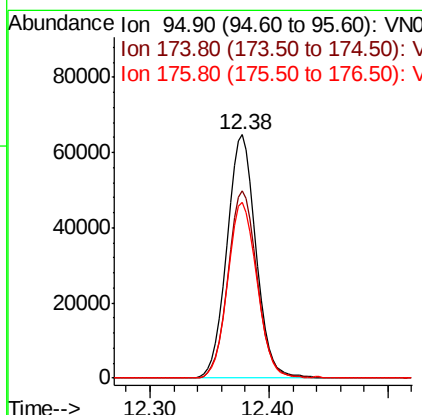
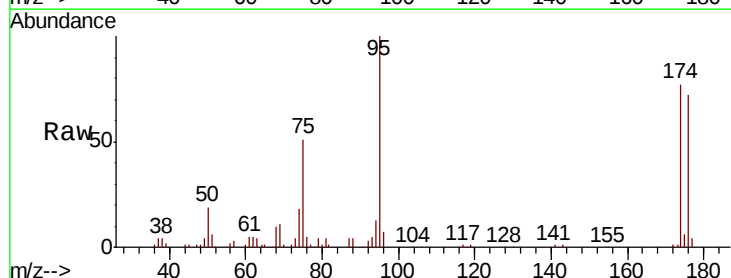
Instrument :
MSVOA_N
ClientSampleId :
RE120D3-20200615

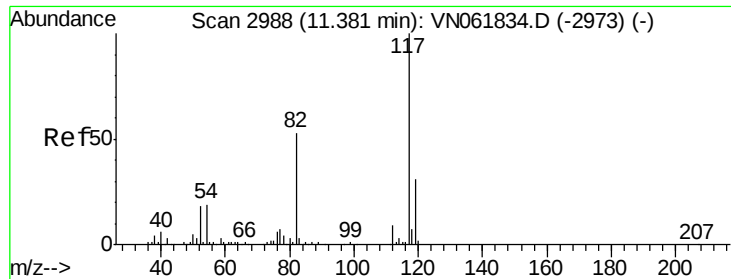
Tot Ion:129 Resp: 1038
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#



#62
4-Bromofluorobenzene
Concen: 48.182 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN062009.D
Acq: 22 Jun 2020 19:07

Tgt Ion: 95 Resp: 109418
Ion Ratio Lower Upper
95 100
174 77.2 0.0 158.6
176 73.0 0.0 152.0

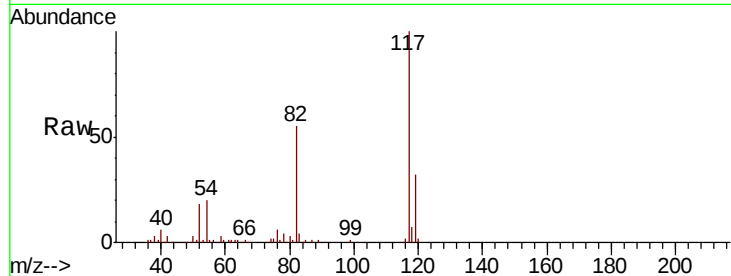




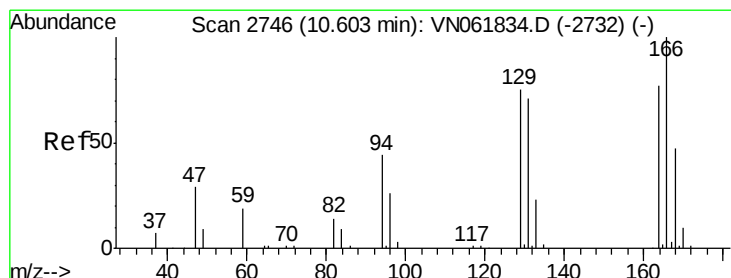
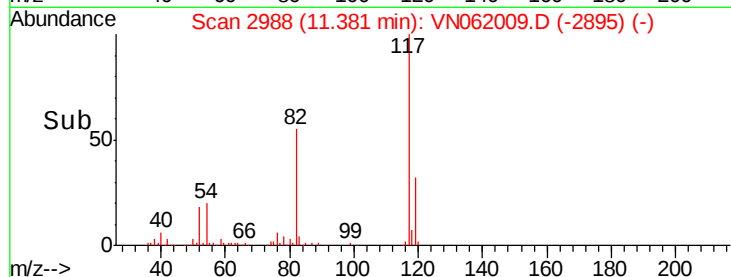
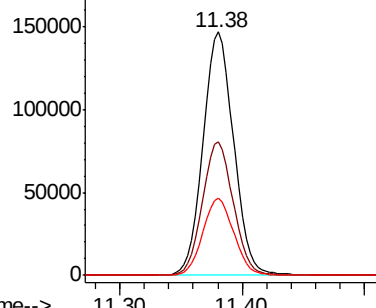
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062009.D
Acq: 22 Jun 2020 19:07

Instrument :
MSVOA_N
ClientSampleId :
RE120D3-20200615

Tot Ion:117 Resp: 256328
Ion Ratio Lower Upper
117 100
82 54.9 42.6 64.0
119 31.8 24.7 37.1

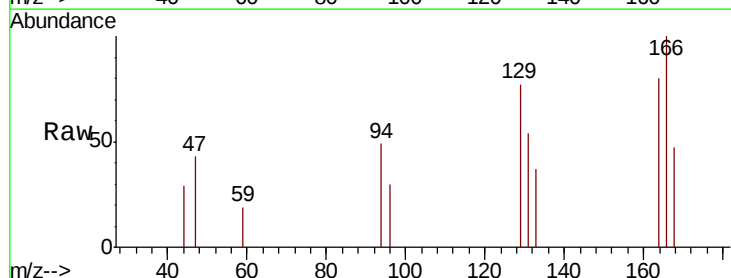


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

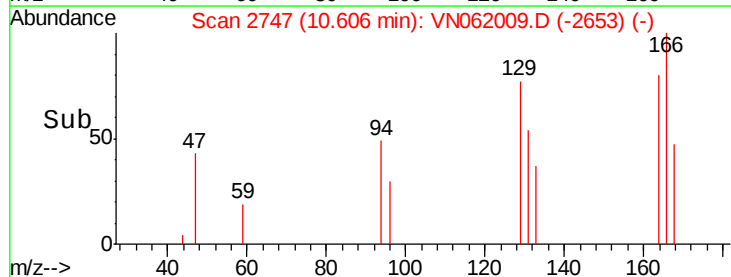
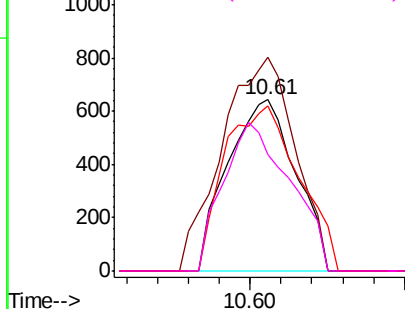


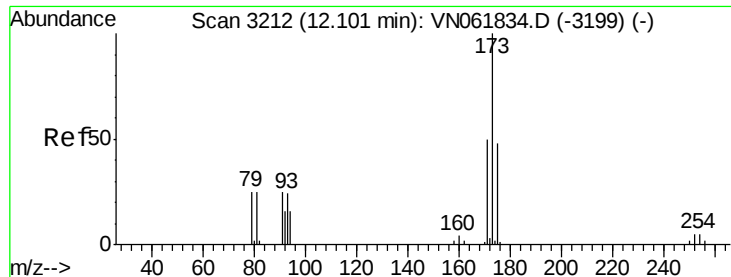
#64
Tetrachloroethene
Concen: 0.602 ug/l
RT: 10.61 min Scan# 2747
Delta R.T. 0.00 min
Lab File: VN062009.D
Acq: 22 Jun 2020 19:07

Tgt Ion:164 Resp: 984
Ion Ratio Lower Upper
164 100
166 124.9 103.5 155.3
129 96.3 77.5 116.3
131 67.9 73.8 110.8#



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: 0.781 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.28 min

Lab File: VN062009.D

Acq: 22 Jun 2020 19:07

Instrument :

MSVOA_N

ClientSampleId :

RE120D3-20200615

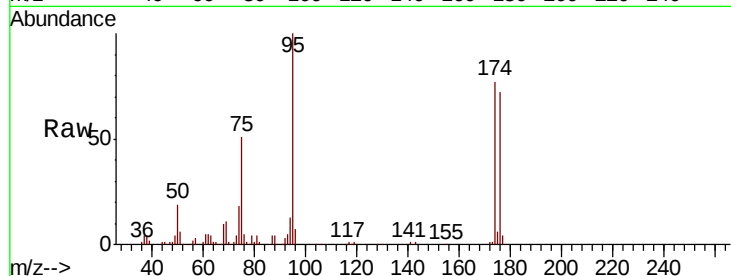
Tot Ion:173 Resp: 1074

Ion Ratio Lower Upper

173 100

175 504.4 23.9 71.7#

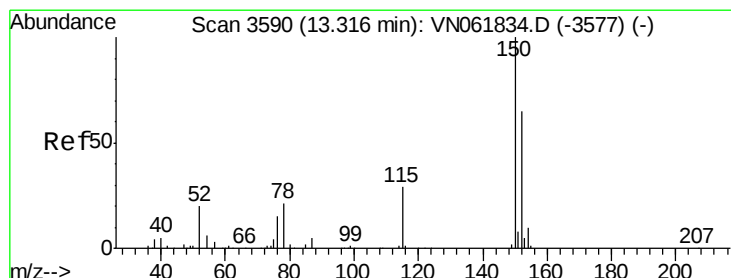
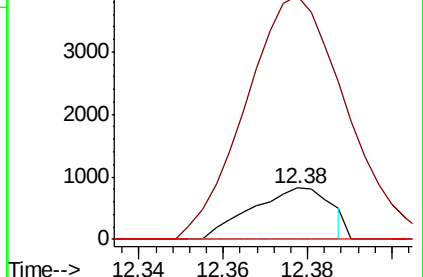
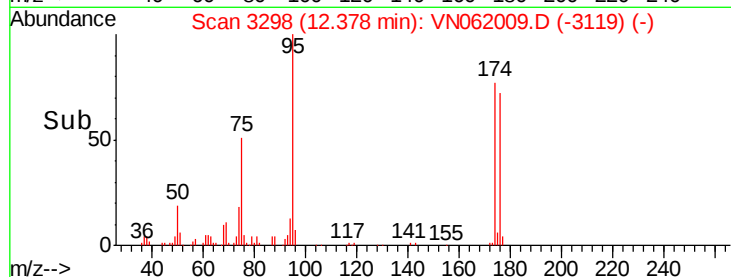
254 0.0 0.0 0.0



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# 3591

Delta R.T. 0.00 min

Lab File: VN062009.D

Acq: 22 Jun 2020 19:07

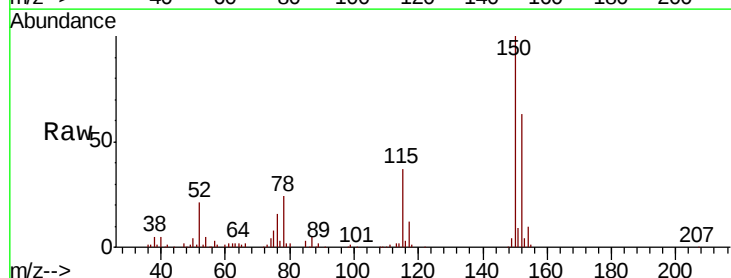
Tgt Ion:152 Resp: 93941

Ion Ratio Lower Upper

152 100

115 59.3 29.1 87.3

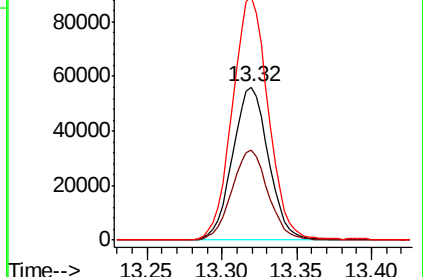
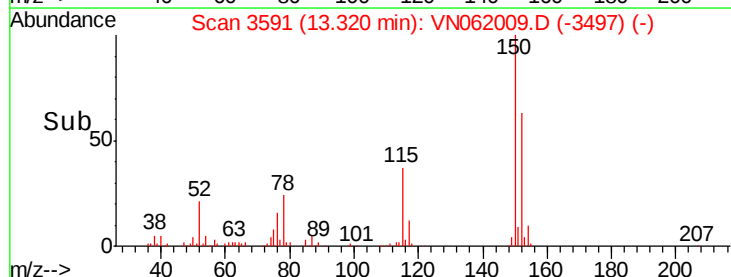
150 159.0 0.0 347.6

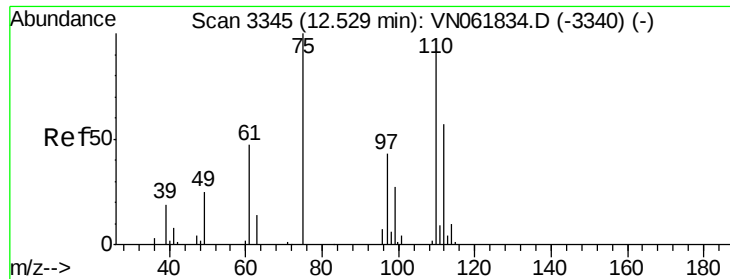


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

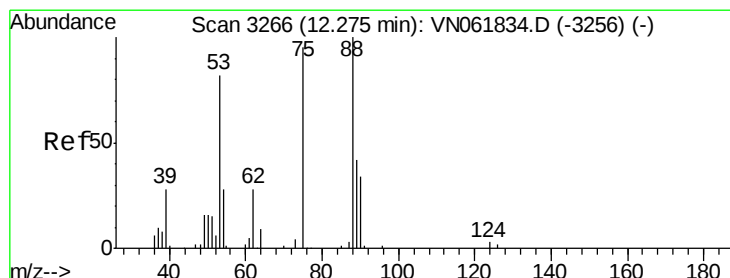
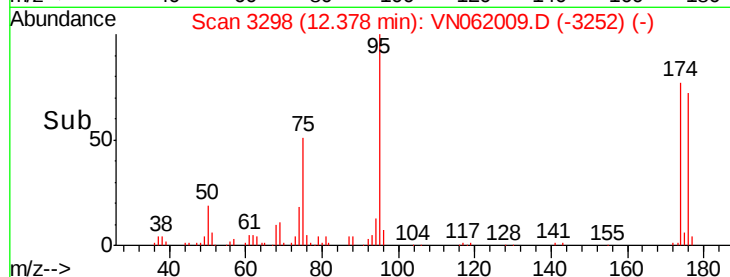
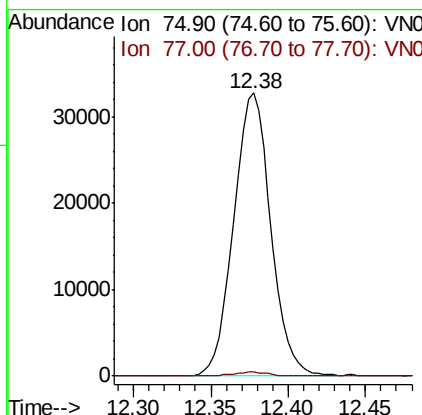
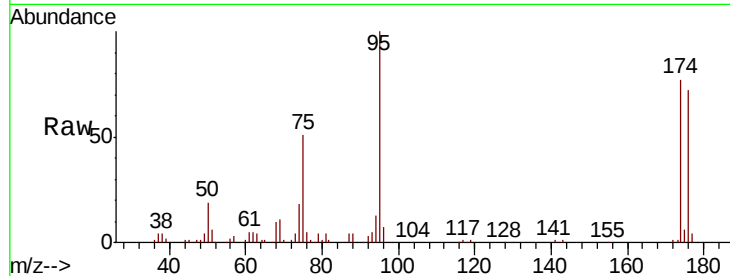




#76
 1,2,3-Trichloropropane
 Concen: 29.549 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.15 min
 Lab File: VN062009.D
 Acq: 22 Jun 2020 19:07

Instrument :
 MSVOA_N
 ClientSampleId :
 RE120D3-20200615

Tot Ion: 75 Resp: 54498
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 80.594 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.10 min
 Lab File: VN062009.D
 Acq: 22 Jun 2020 19:07

Tgt Ion: 75 Resp: 54498
 Ion Ratio Lower Upper
 75 100
 53 0.0 70.4 105.6#
 89 0.0 36.0 54.0#

