

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062220\
 Data File : VN061994.D
 Acq On : 22 Jun 2020 13:01
 Operator : JC/MD
 Sample : L2988-20DL 4X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE131D1-20200609DL

Quant Time: Jun 23 05:15:14 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	156158	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	291618	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	282118	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	105920	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	108894	52.00	ug/l	0.00
Spiked Amount			Recovery	=	104.00%	
35) Dibromofluoromethane	7.55	113	92012	49.32	ug/l	0.00
Spiked Amount			Recovery	=	98.64%	
50) Toluene-d8	10.06	98	369035	50.31	ug/l	0.00
Spiked Amount			Recovery	=	100.62%	
62) 4-Bromofluorobenzene	12.37	95	118813	47.23	ug/l	0.00
Spiked Amount			Recovery	=	94.46%	

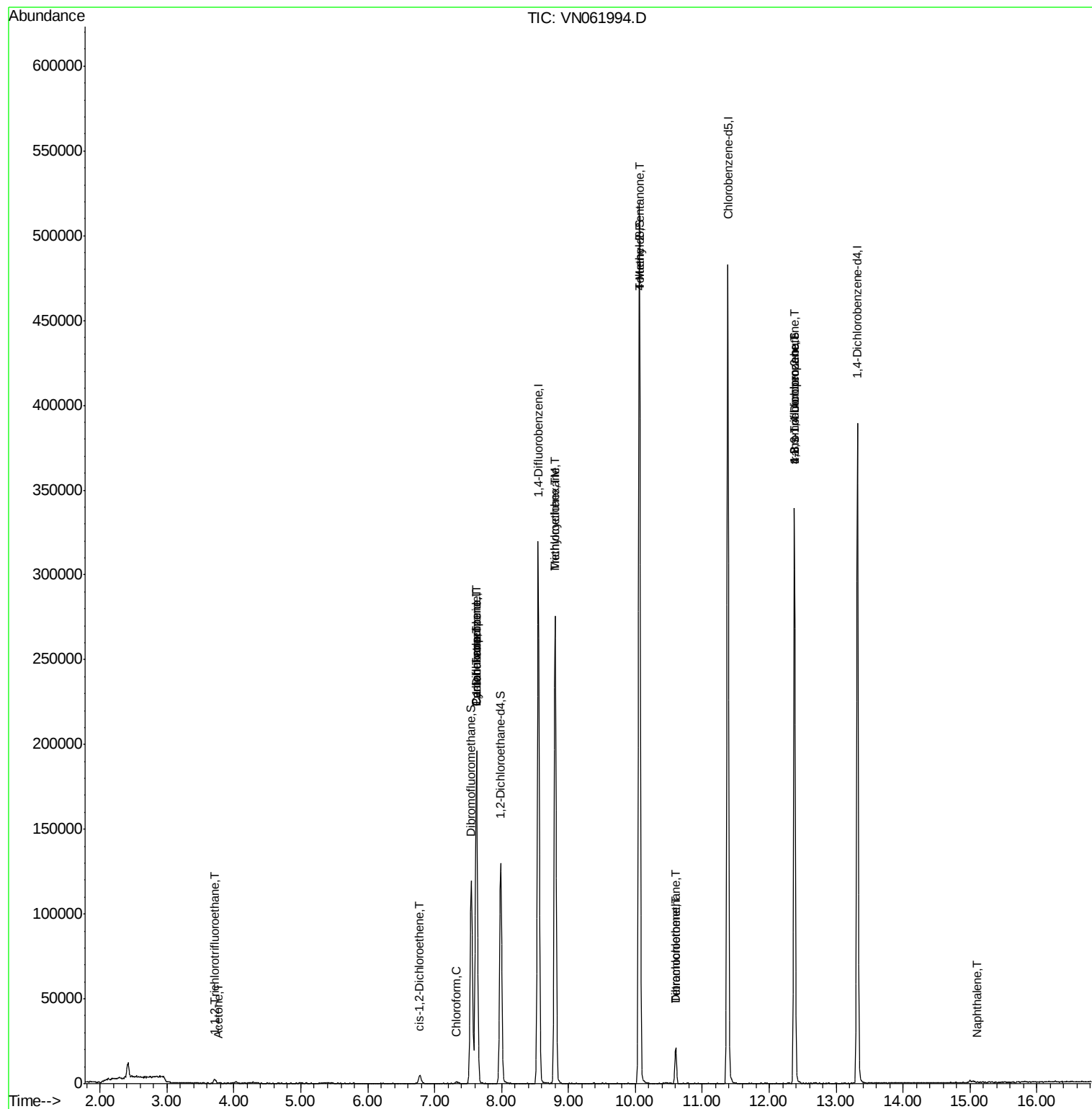
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	3.71	101	1508	0.952	ug/l #	64
16) Acetone	3.76	43	192	0.310	ug/l #	40
27) cis-1,2-Dichloroethene	6.78	96	2174	1.034	ug/l	81
30) Chloroform	7.33	83	1376	0.408	ug/l #	77
31) Cyclohexane	7.63	56	3614	1.309	ug/l #	47
36) 1,1-Dichloropropene	7.63	75	12437	4.676	ug/l #	48
38) Carbon Tetrachloride	7.63	117	15182	5.764	ug/l #	18
39) Methylcyclohexane	8.80	83	1280	0.447	ug/l #	1
44) Trichloroethene	8.80	130	104583	49.320	ug/l	100
51) 4-Methyl-2-Pentanone	10.06	43	1531	0.740	ug/l #	1
60) Dibromochloromethane	10.60	129	4493	2.022	ug/l #	11
64) Tetrachloroethene	10.60	164	4846	2.695	ug/l	96
76) 1,2,3-Trichloropropane	12.37	75	60877	29.275	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.37	75	60877	79.846	ug/l #	14
95) Naphthalene	15.10	128	242	3.526	ug/l #	69

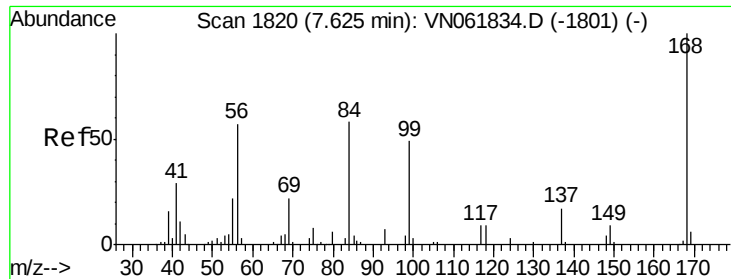
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN061994.D

Acq: 22 Jun 2020 13:01

Instrument :

MSVOA_N

ClientSampleId :

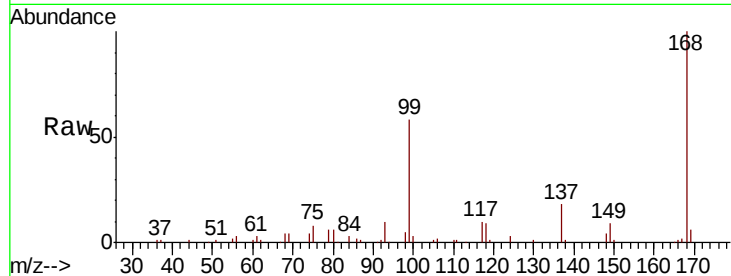
RE131D1-20200609DL

Tot Ion:168 Resp: 156158

Ion Ratio Lower Upper

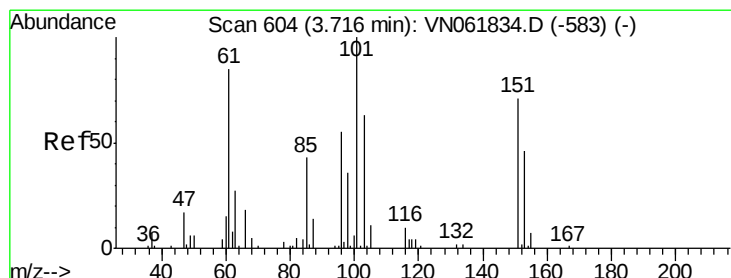
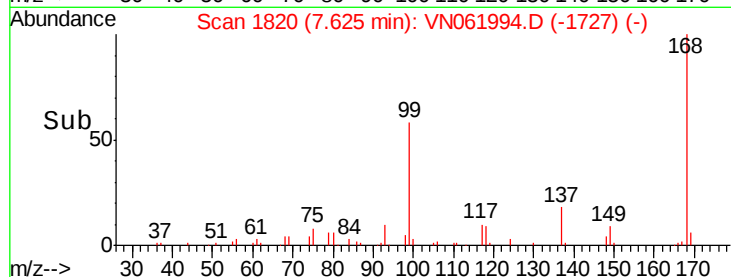
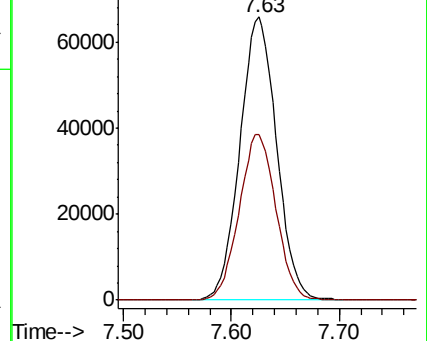
168 100

99 58.4 44.6 67.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.952 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.00 min

Lab File: VN061994.D

Acq: 22 Jun 2020 13:01

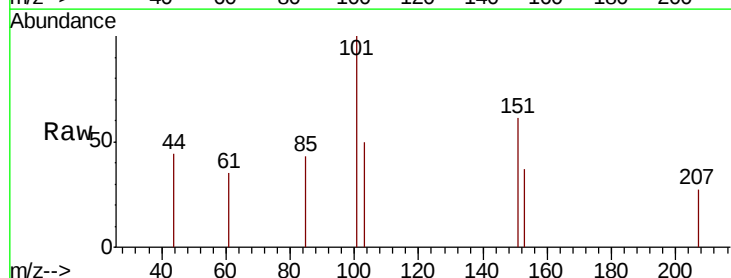
Tgt Ion:101 Resp: 1508

Ion Ratio Lower Upper

101 100

85 36.7 35.0 52.6

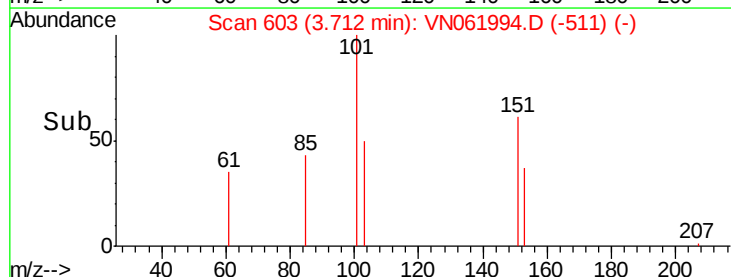
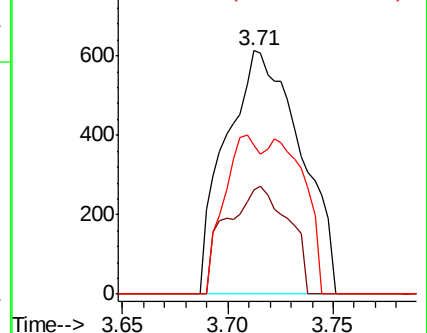
151 31.7 59.2 88.8#

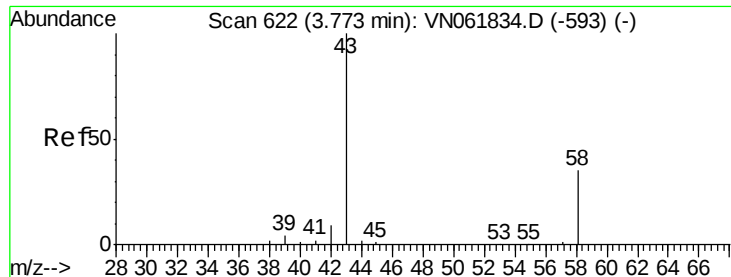


Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V

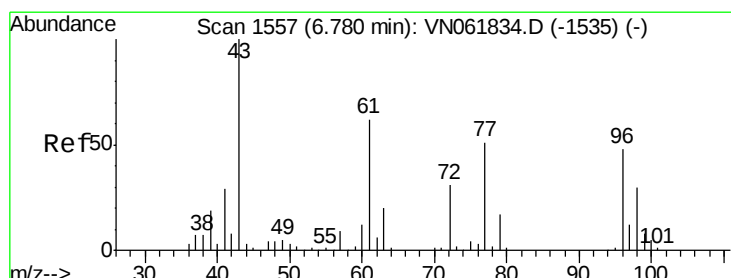
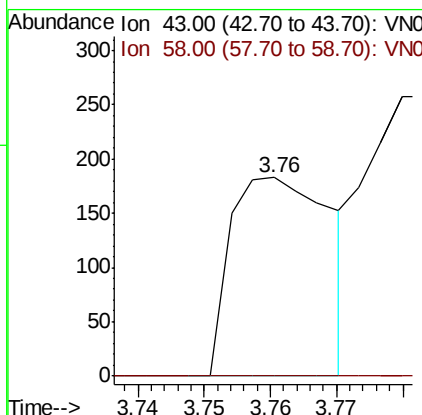
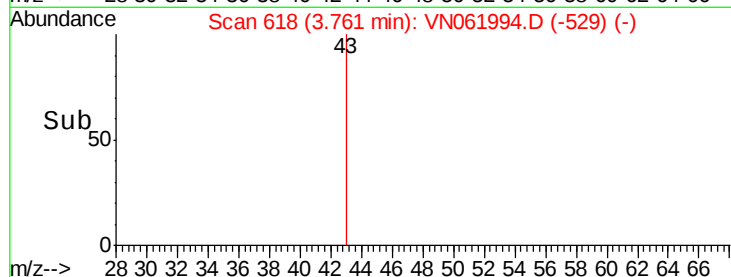
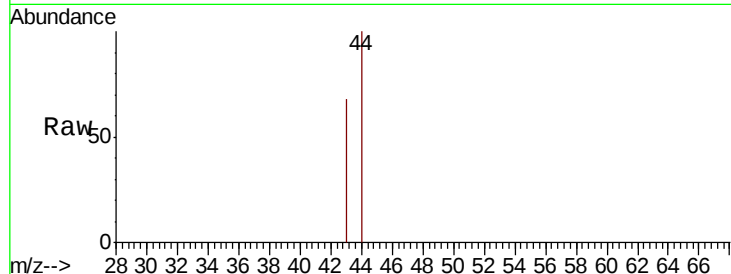




#16
Acetone
Concen: 0.310 ug/l
RT: 3.76 min Scan# 618
Delta R.T. -0.01 min
Lab File: VN061994.D
Acq: 22 Jun 2020 13:01

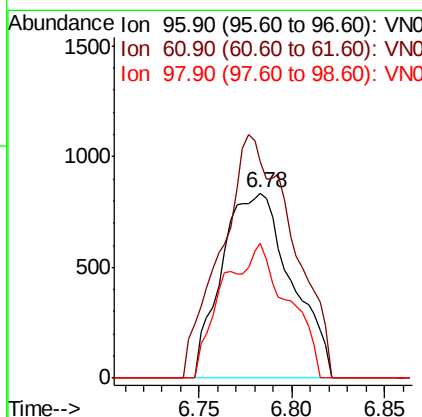
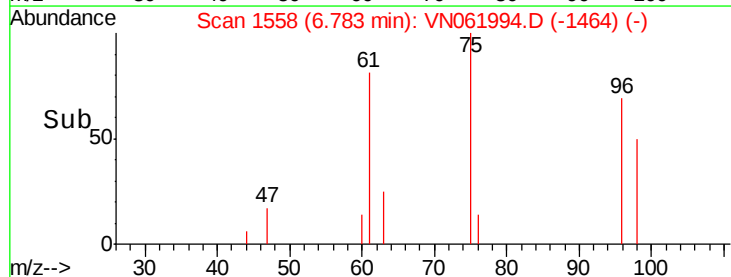
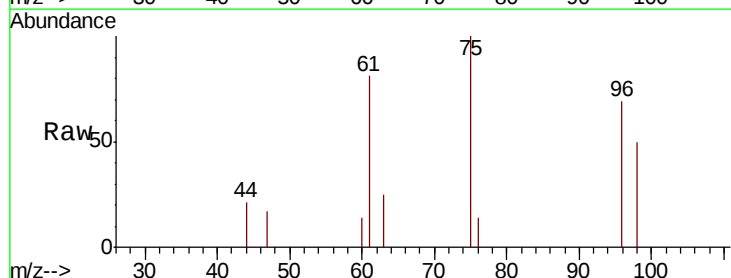
Instrument :
MSVOA_N
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RE131D1-20200609DL

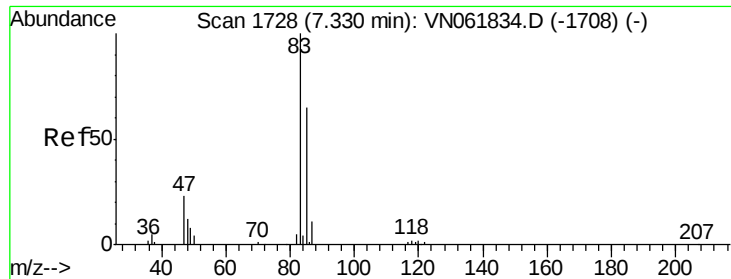
Tot Ion: 43 Resp: 192
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#



#27
cis-1,2-Dichloroethene
Concen: 1.034 ug/l
RT: 6.78 min Scan# 1558
Delta R.T. 0.00 min
Lab File: VN061994.D
Acq: 22 Jun 2020 13:01

Tgt Ion: 96 Resp: 2174
Ion Ratio Lower Upper
96 100
61 134.5 0.0 265.6
98 21.9 0.0 128.2

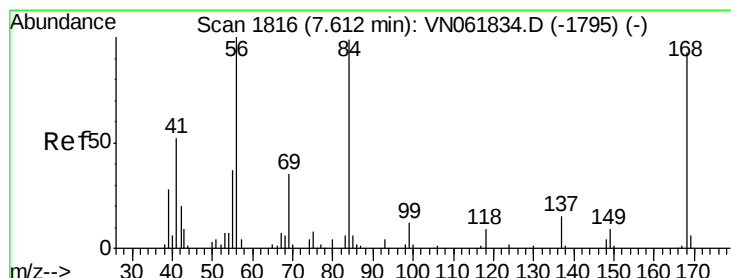
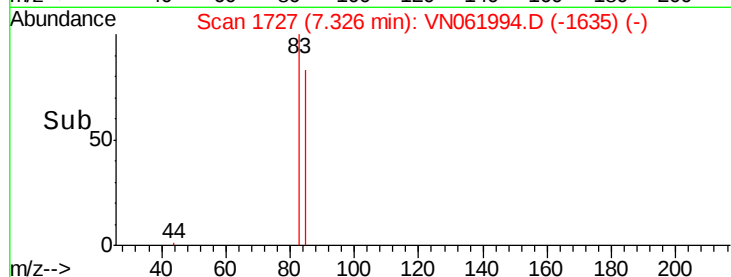
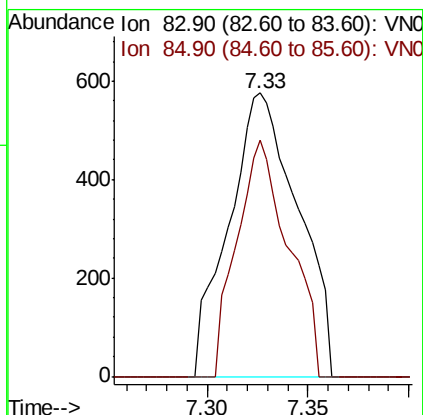
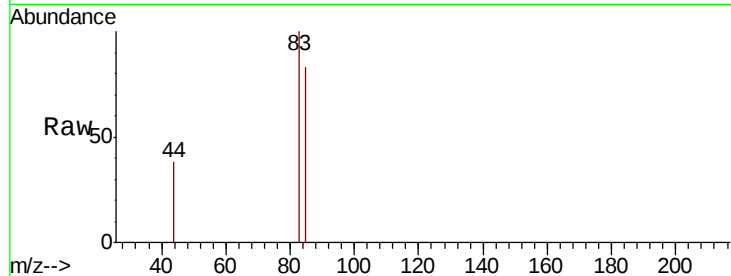




#30
Chloroform
Concen: 0.408 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN061994.D
Acq: 22 Jun 2020 13:01

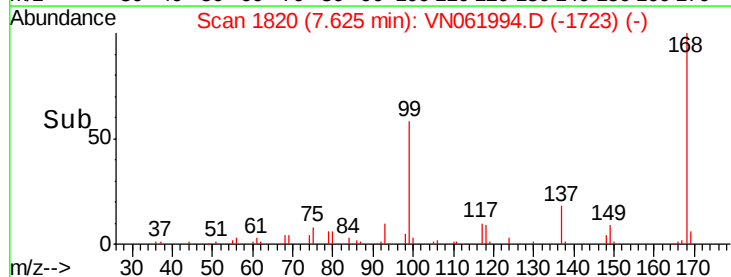
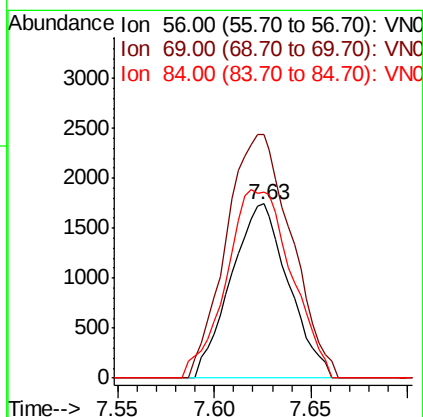
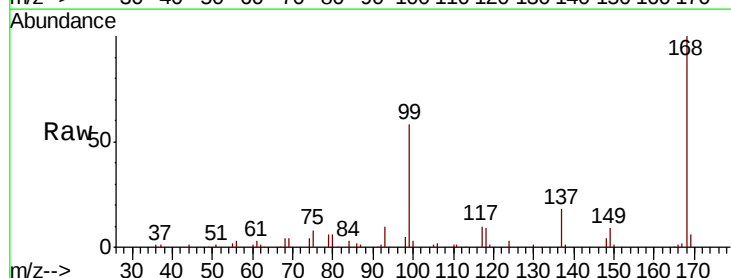
Instrument :
MSVOA_N
ClientSampleId :
RE131D1-20200609DL

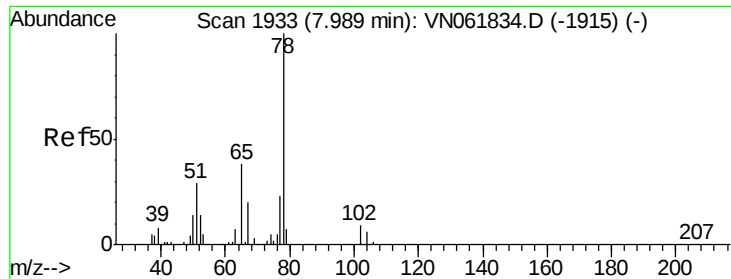
Tot Ion: 83 Resp: 1376
Ion Ratio Lower Upper
83 100
85 83.2 52.0 78.0#



#31
Cyclohexane
Concen: 1.309 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. 0.01 min
Lab File: VN061994.D
Acq: 22 Jun 2020 13:01

Tgt Ion: 56 Resp: 3614
Ion Ratio Lower Upper
56 100
69 139.6 27.7 41.5#
84 106.5 79.1 118.7





#33

1,2-Dichloroethane-d4

Concen: 51.995 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN061994.D

Acq: 22 Jun 2020 13:01

Instrument :

MSVOA_N

ClientSampleId :

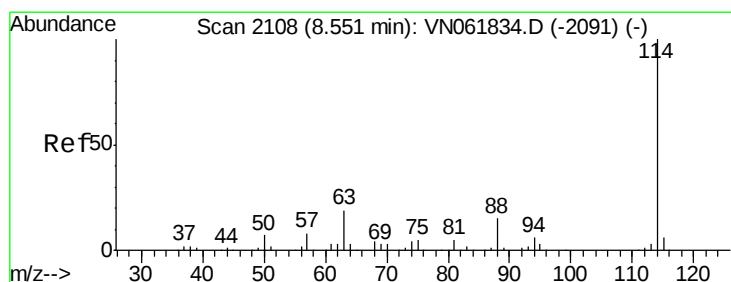
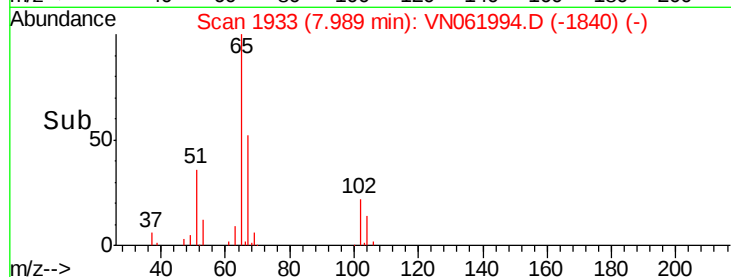
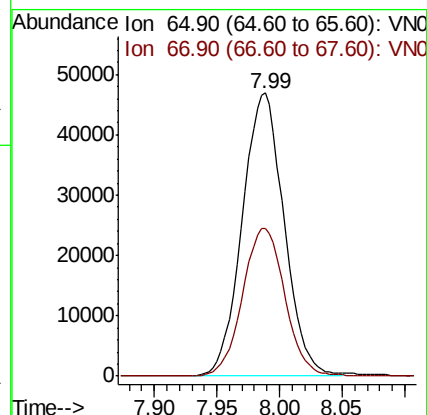
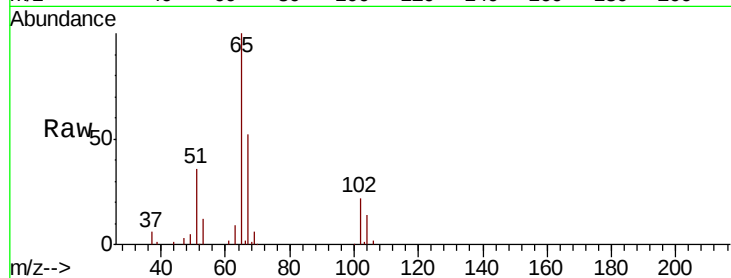
RE131D1-20200609DL

Tot Ion: 65 Resp: 108894

Ion Ratio Lower Upper

65 100

67 52.7 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. 0.00 min

Lab File: VN061994.D

Acq: 22 Jun 2020 13:01

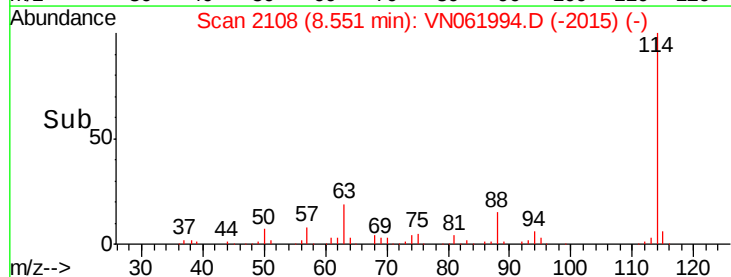
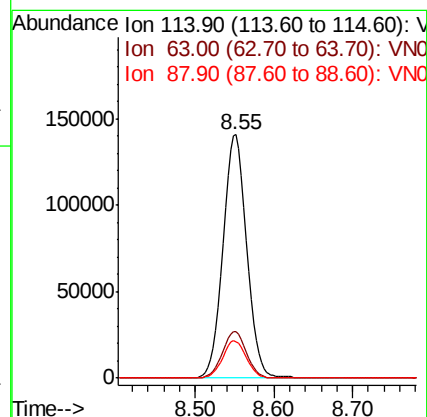
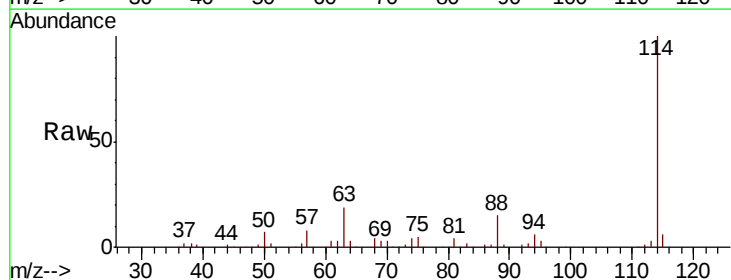
Tgt Ion: 114 Resp: 291618

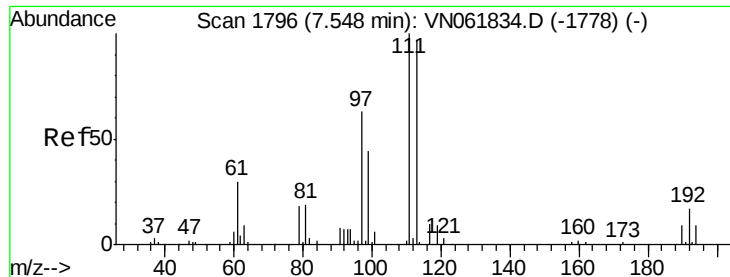
Ion Ratio Lower Upper

114 100

63 18.9 0.0 37.6

88 15.1 0.0 31.0

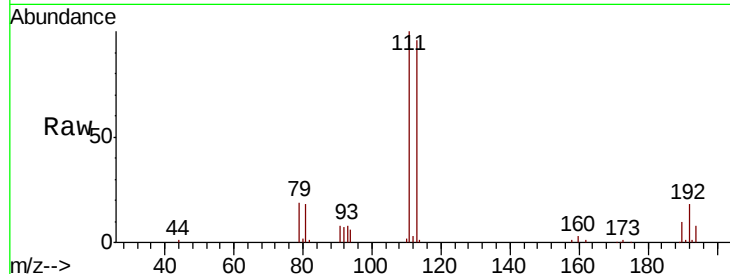




#35
 Dibromofluoromethane
 Concen: 49.320 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN061994.D
 Acq: 22 Jun 2020 13:01

Instrument :
 MSVOA_N
 ClientSampleId :
 RE131D1-20200609DL

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.9	83.7	125.5
192	17.9	13.9	20.9

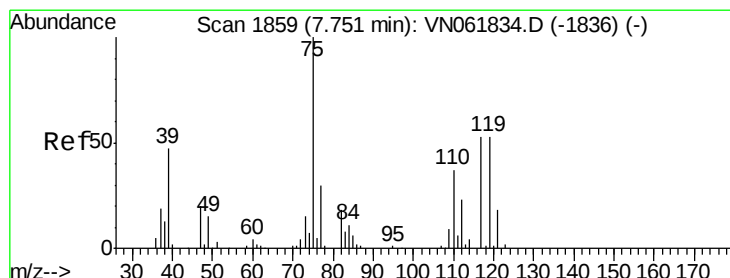
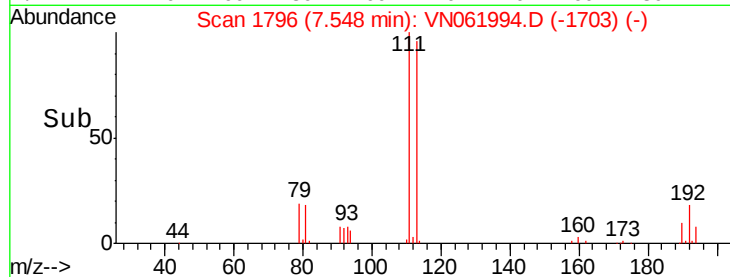
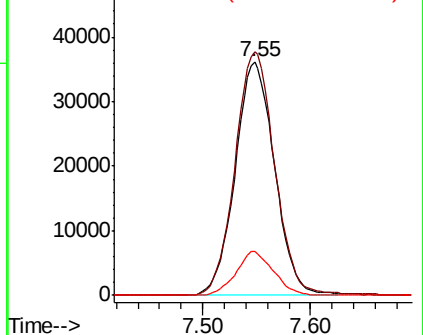


Abundance

Ion 112.80 (112.50 to 113.50): V

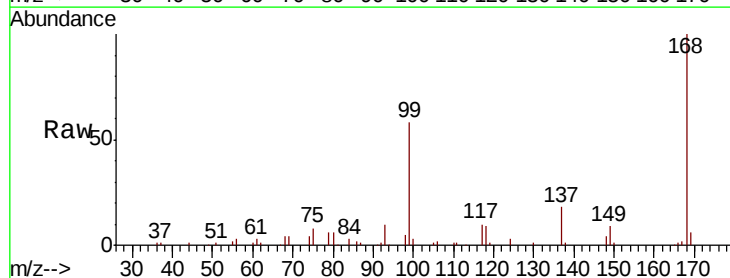
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 4.676 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN061994.D
 Acq: 22 Jun 2020 13:01

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.6	18.2	54.6#
77	0.0	24.2	36.4#

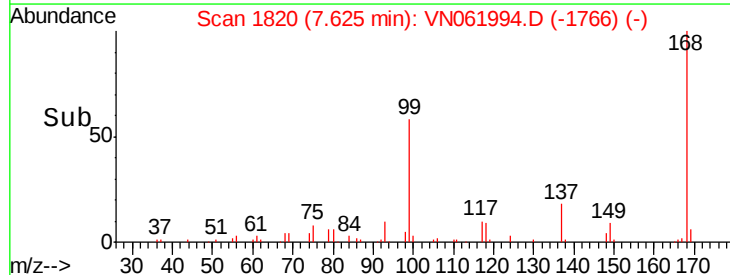
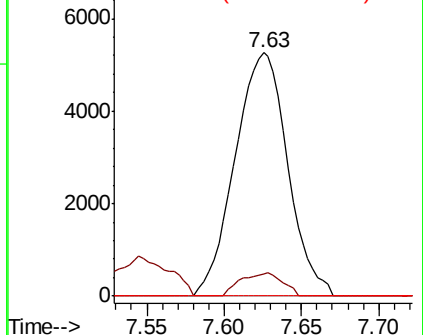


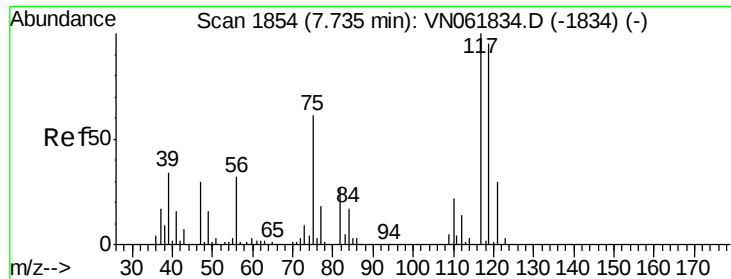
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

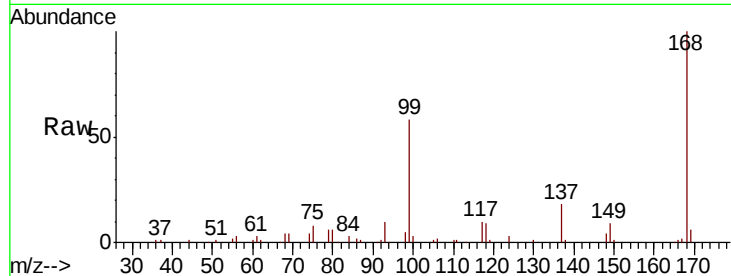




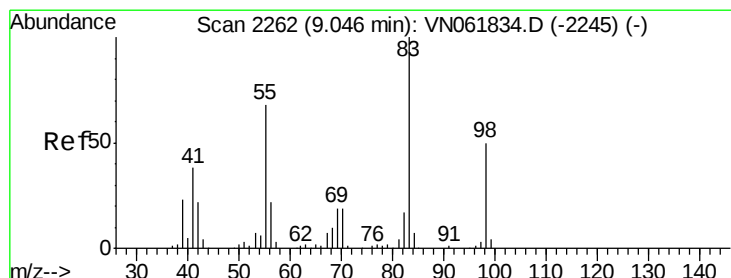
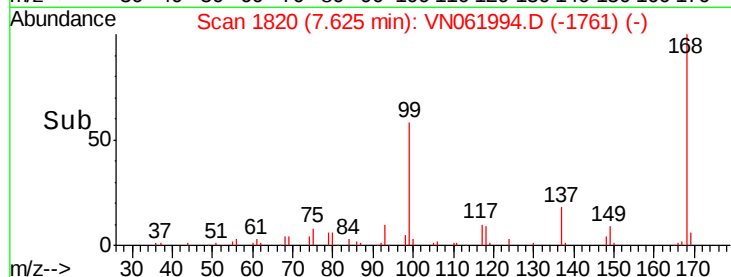
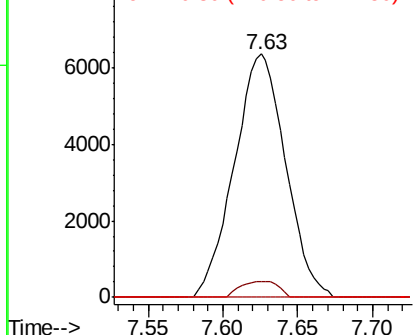
#38
Carbon Tetrachloride
Concen: 5.764 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. -0.11 min
Lab File: VN061994.D
Acq: 22 Jun 2020 13:01

Instrument :
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RE131D1-20200609DL

Tot Ion:117 Resp: 15182
Ion Ratio Lower Upper
117 100
119 6.5 75.8 113.6#
121 0.0 23.8 35.6#

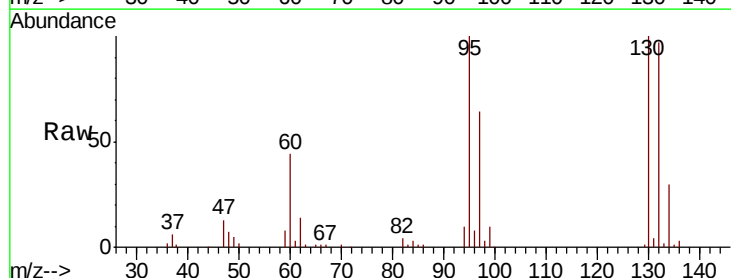


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

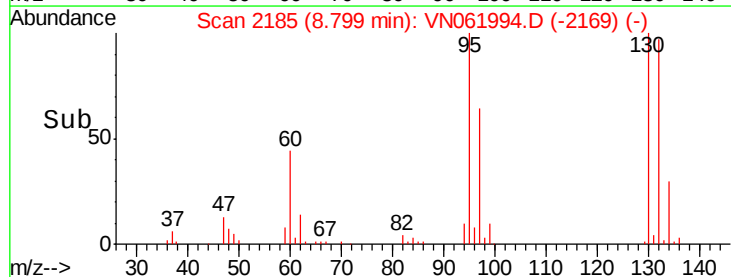
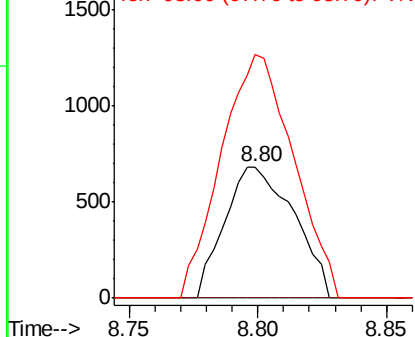


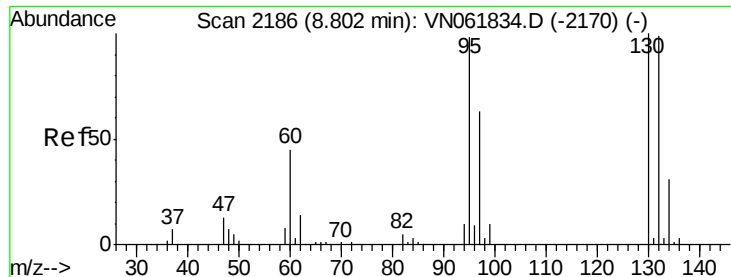
#39
Methylcyclohexane
Concen: 0.447 ug/l
RT: 8.80 min Scan# 2185
Delta R.T. -0.25 min
Lab File: VN061994.D
Acq: 22 Jun 2020 13:01

Tgt Ion: 83 Resp: 1280
Ion Ratio Lower Upper
83 100
55 0.0 54.2 81.4#
98 185.7 39.8 59.6#



Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0





#44

Trichloroethene

Concen: 49.320 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. 0.00 min

Lab File: VN061994.D

Acq: 22 Jun 2020 13:01

Instrument :

MSVOA_N

ClientSampleId :

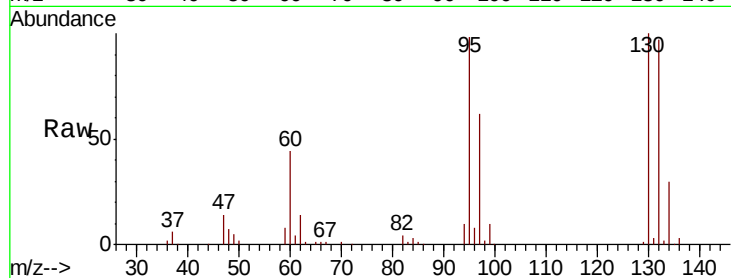
RE131D1-20200609DL

Tot Ion:130 Resp: 104583

Ion Ratio Lower Upper

130 100

95 98.2 0.0 195.6

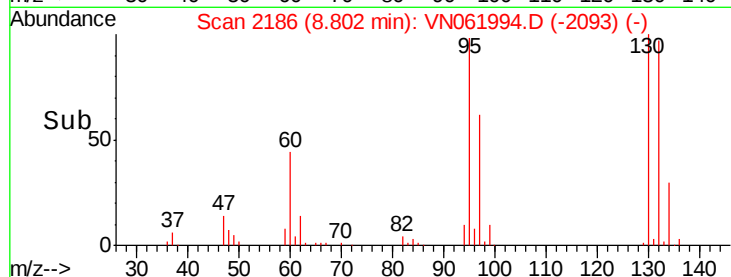


Abundance Ion 129.80 (129.50 to 130.50): VN061834.D (-2170) (-)

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

8.80

Time-->



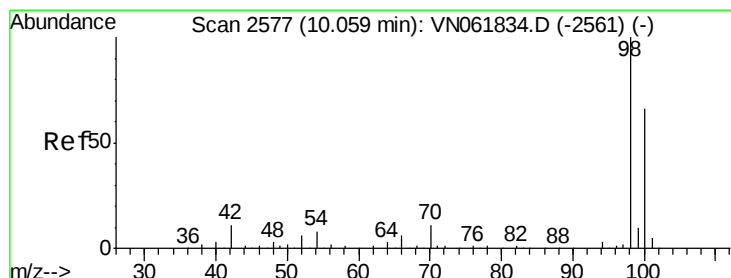
Abundance

Ion 129.80 (129.50 to 130.50): VN061994.D (-2093) (-)

Ion 94.90 (94.60 to 95.60): VN061994.D (-2093) (-)

8.80

Time-->



#50

Toluene-d8

Concen: 50.315 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN061994.D

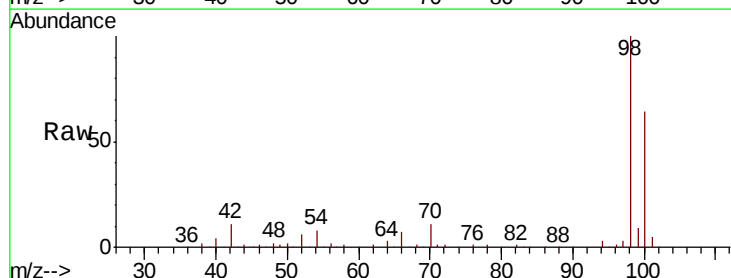
Acq: 22 Jun 2020 13:01

Tgt Ion: 98 Resp: 369035

Ion Ratio Lower Upper

98 100

100 64.2 52.7 79.1

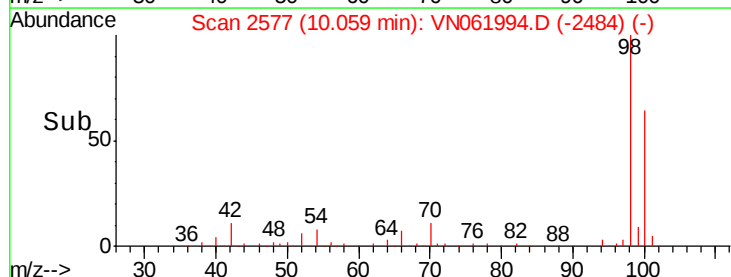


Abundance Ion 98.00 (97.70 to 98.70): VN061834.D (-2561) (-)

Ion 100.00 (99.70 to 100.70): VN061834.D (-2561) (-)

10.06

Time-->



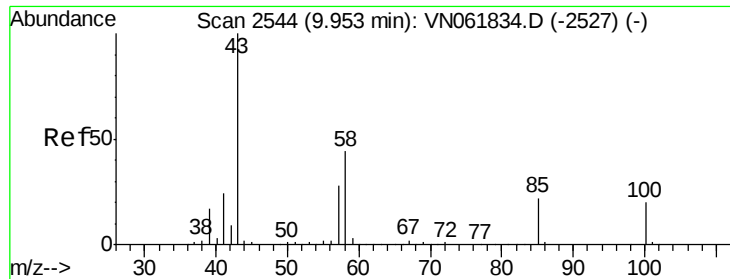
Abundance

Ion 98.00 (97.70 to 98.70): VN061994.D (-2484) (-)

Ion 100.00 (99.70 to 100.70): VN061994.D (-2484) (-)

10.06

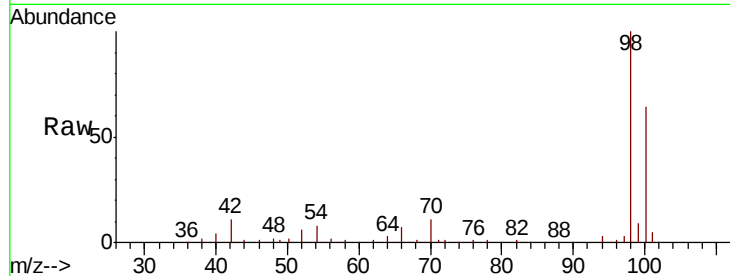
Time-->



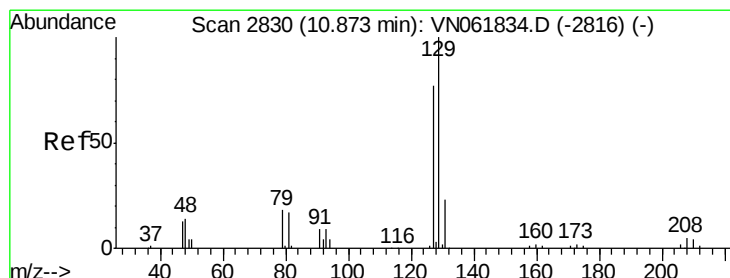
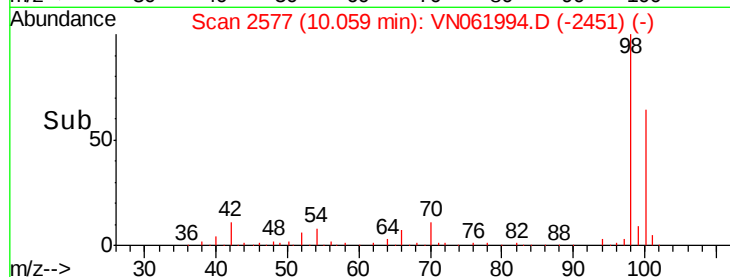
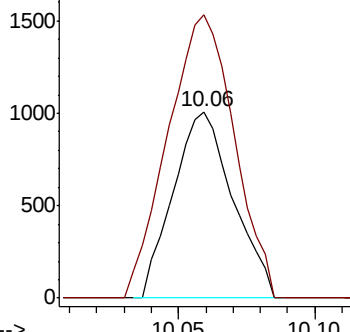
#51
 4-Methyl-2-Pentanone
 Concen: 0.740 ug/l
 RT: 10.06 min Scan# 2577
 Delta R.T. 0.11 min
 Lab File: VN061994.D
 Acq: 22 Jun 2020 13:01

Instrument :
 MSVOA_N
 ClientSampleId :
 RE131D1-20200609DL

Tot Ion: 43 Resp: 1531
 Ion Ratio Lower Upper
 43 100
 58 169.0 34.6 52.0#

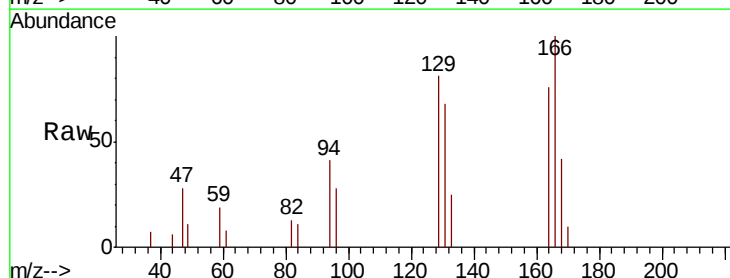


Abundance Ion 43.00 (42.70 to 43.70): VN061834.D (-2527) (-)
 Ion 58.00 (57.70 to 58.70): VN061834.D (-2527) (-)

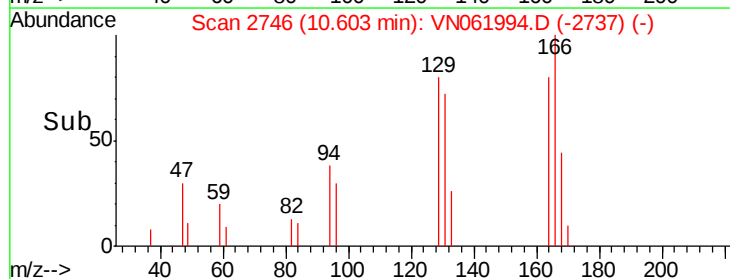
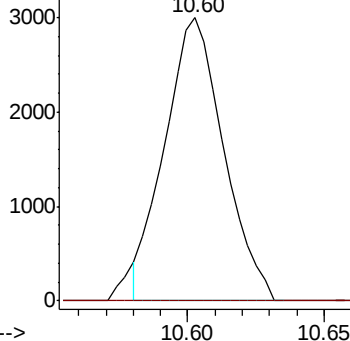


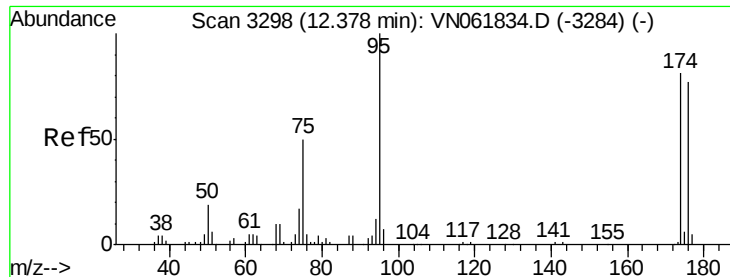
#60
 Dibromochloromethane
 Concen: 2.022 ug/l
 RT: 10.60 min Scan# 2746
 Delta R.T. -0.27 min
 Lab File: VN061994.D
 Acq: 22 Jun 2020 13:01

Tgt Ion: 129 Resp: 4493
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.5 115.5#



Abundance Ion 128.80 (128.50 to 129.50): VN061834.D (-2816) (-)
 Ion 126.80 (126.50 to 127.50): VN061834.D (-2816) (-)

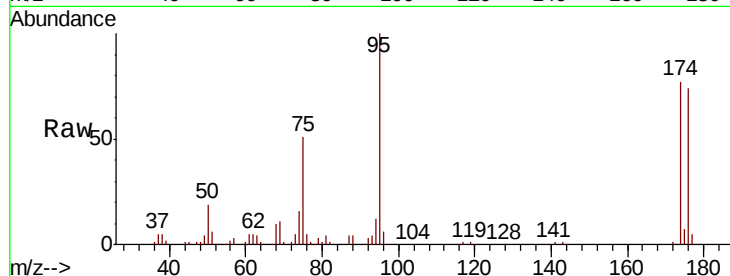




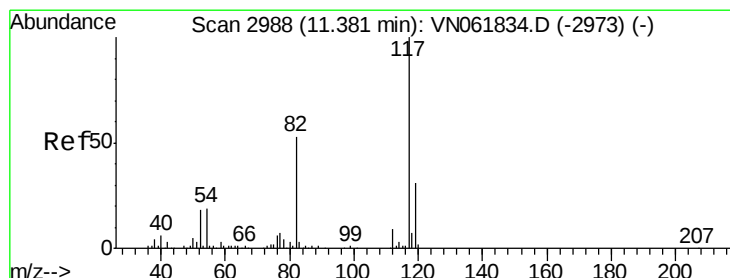
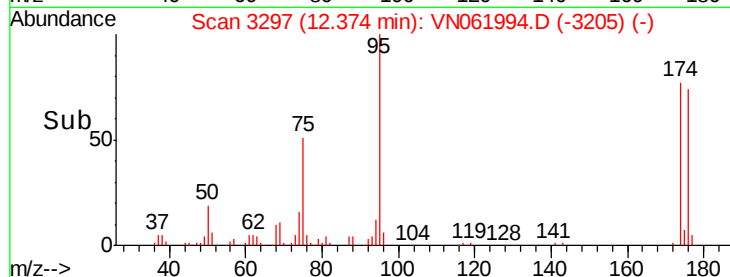
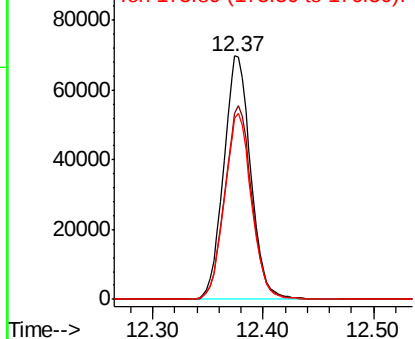
#62
4-Bromofluorobenzene
Concen: 47.226 ug/l
RT: 12.37 min Scan# 3297
Delta R.T. -0.00 min
Lab File: VN061994.D
Acq: 22 Jun 2020 13:01

Instrument :
MSVOA_N
ClientSampleId :
RE131D1-20200609DL

Tot Ion: 95 Resp: 118813
Ion Ratio Lower Upper
95 100
174 79.5 0.0 158.6
176 76.0 0.0 152.0

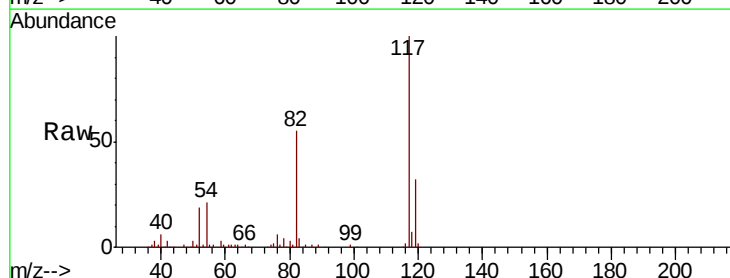


Abundance Ion 94.90 (94.60 to 95.60): VN061834.D (-3284) (-)
Ion 173.80 (173.50 to 174.50): VN061834.D (-3284) (-)
Ion 175.80 (175.50 to 176.50): VN061834.D (-3284) (-)

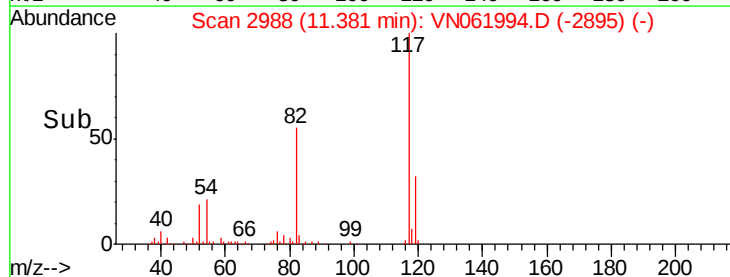
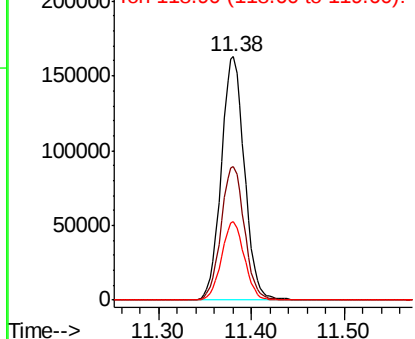


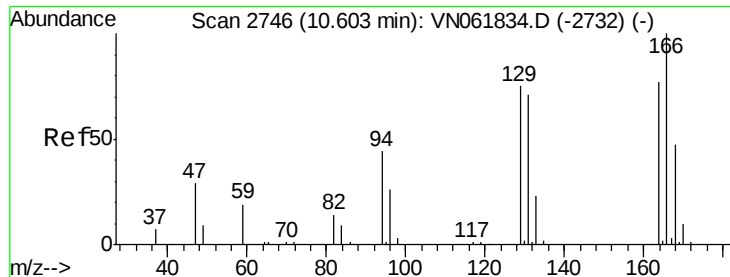
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061994.D
Acq: 22 Jun 2020 13:01

Tgt Ion: 117 Resp: 282118
Ion Ratio Lower Upper
117 100
82 54.8 42.6 64.0
119 32.1 24.7 37.1



Abundance Ion 116.90 (116.60 to 117.60): VN061834.D (-2973) (-)
Ion 82.00 (81.70 to 82.70): VN061834.D (-2973) (-)
Ion 118.90 (118.60 to 119.60): VN061834.D (-2973) (-)





#64

Tetrachloroethene

Concen: 2.695 ug/l

RT: 10.60 min Scan# 2746

Delta R.T. 0.00 min

Lab File: VN061994.D

Acq: 22 Jun 2020 13:01

Instrument :

MSVOA_N

ClientSampleId :

RE131D1-20200609DL

Tot Ion:164 Resp: 4846

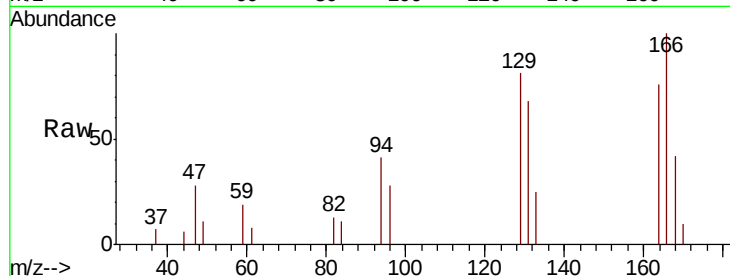
Ion Ratio Lower Upper

164 100

166 130.9 103.5 155.3

129 105.4 77.5 116.3

131 89.2 73.8 110.8

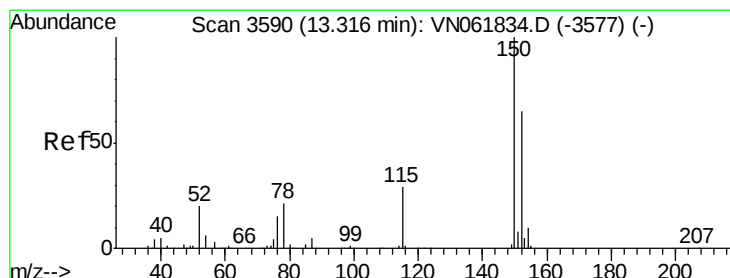
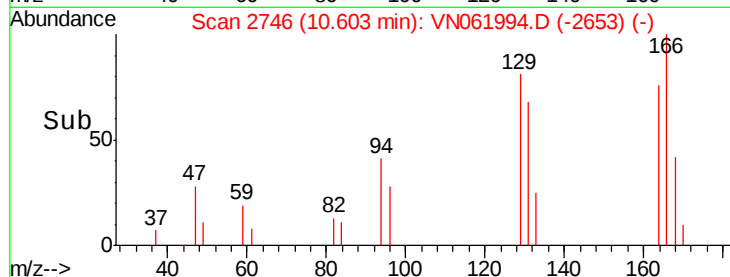
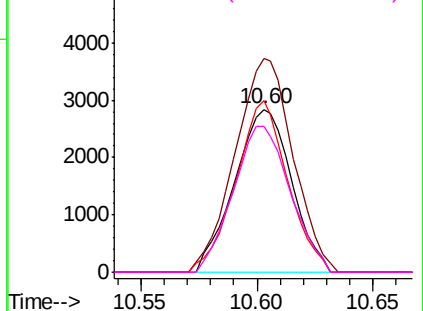


Abundance Ion 163.80 (163.50 to 164.50): V

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN061994.D

Acq: 22 Jun 2020 13:01

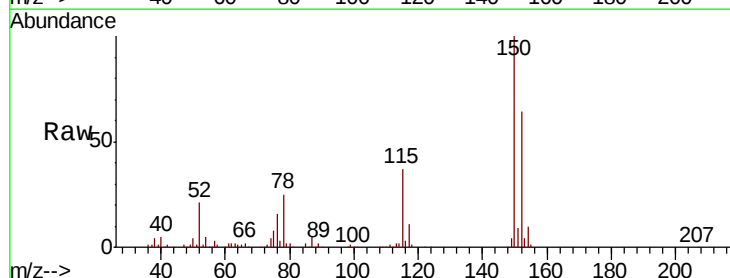
Tgt Ion:152 Resp: 105920

Ion Ratio Lower Upper

152 100

115 59.5 29.1 87.3

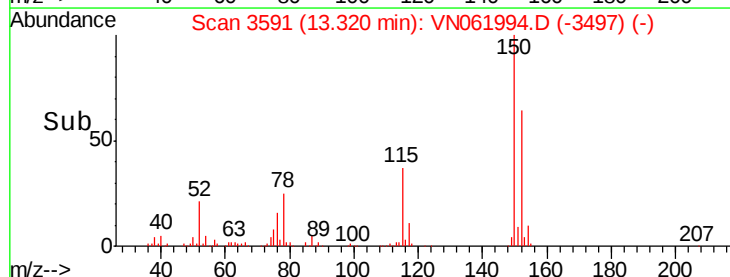
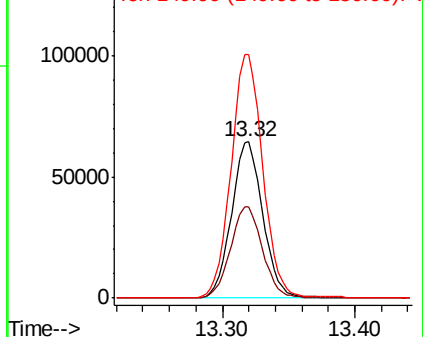
150 158.1 0.0 347.6

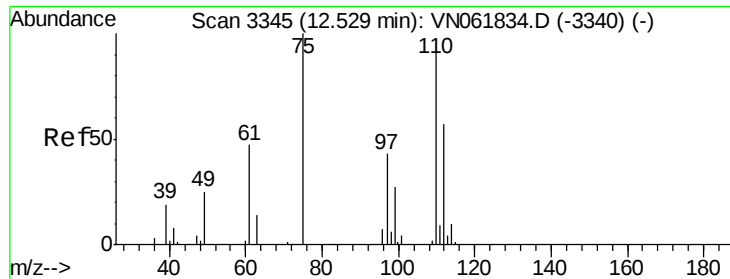


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

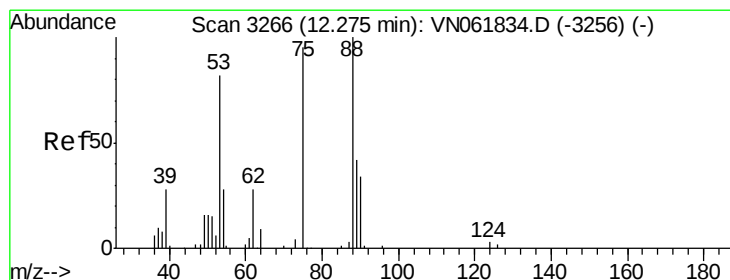
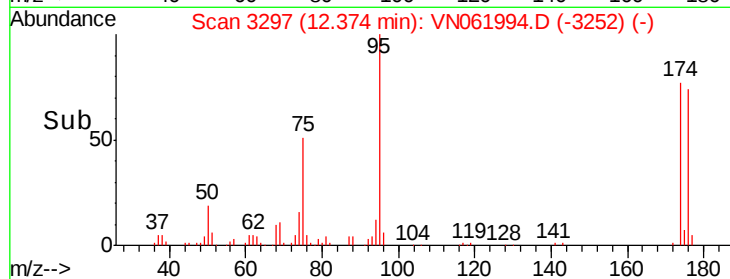
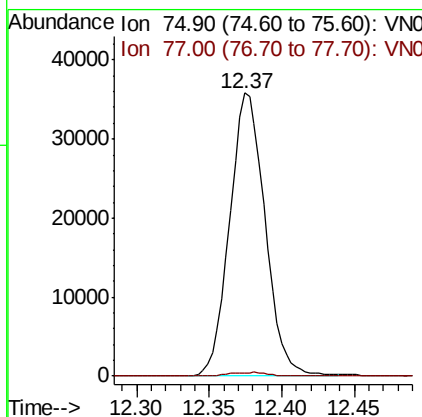
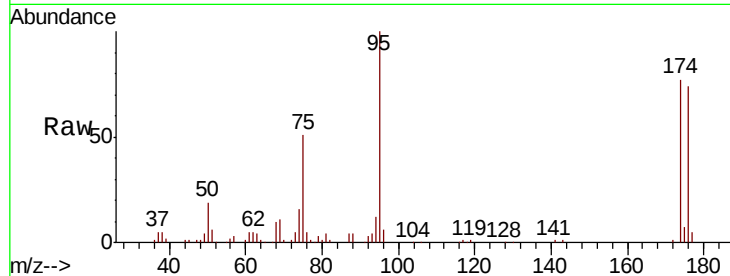




#76
 1,2,3-Trichloropropane
 Concen: 29.275 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. -0.15 min
 Lab File: VN061994.D
 Acq: 22 Jun 2020 13:01

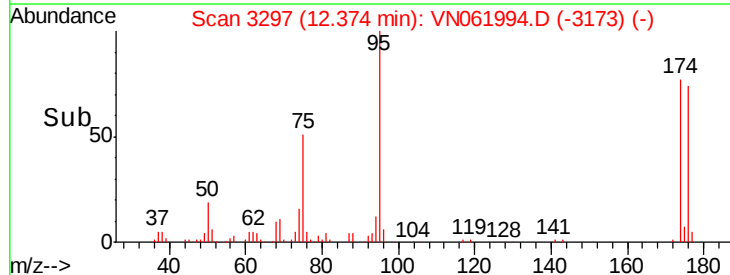
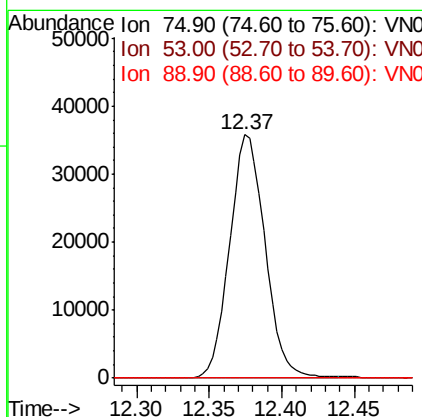
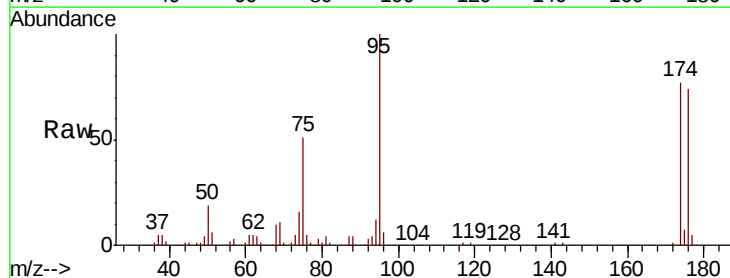
Instrument :
 MSVOA_N
 ClientSampleId :
 RE131D1-20200609DL

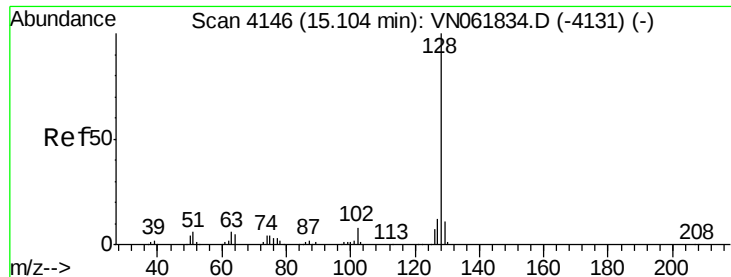
Tot Ion: 75 Resp: 60877
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 79.846 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. 0.10 min
 Lab File: VN061994.D
 Acq: 22 Jun 2020 13:01

Tgt Ion: 75 Resp: 60877
 Ion Ratio Lower Upper
 75 100
 53 0.0 70.4 105.6#
 89 0.0 36.0 54.0#

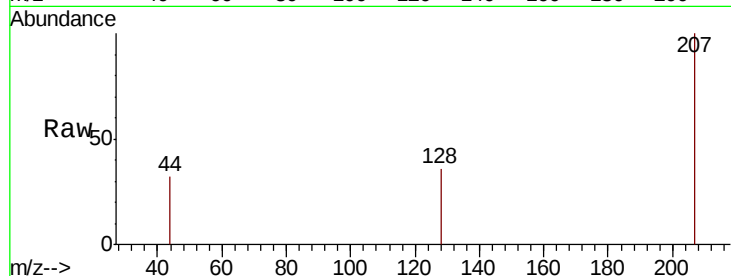




#95
Naphthalene
Concen: 3.526 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. 0.00 min
Lab File: VN061994.D
Acq: 22 Jun 2020 13:01

Instrument :
MSVOA_N
ClientSampleId :
RE131D1-20200609DL

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.6	13.0#



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

