

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061820\
 Data File : VN061893.D
 Acq On : 18 Jun 2020 12:26
 Operator : JC/MD
 Sample : L2989-07DL 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE103D3-20200610DL

Quant Time: Jun 19 05:24:02 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	133970	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	246646	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	242866	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	91642	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	92270	51.35	ug/l	0.00
Spiked Amount			Recovery	=	102.70%	
35) Dibromofluoromethane	7.55	113	80686	51.13	ug/l	0.00
Spiked Amount			Recovery	=	102.26%	
50) Toluene-d8	10.06	98	312257	50.34	ug/l	0.00
Spiked Amount			Recovery	=	100.68%	
62) 4-Bromofluorobenzene	12.38	95	101208	47.56	ug/l	0.00
Spiked Amount			Recovery	=	95.12%	

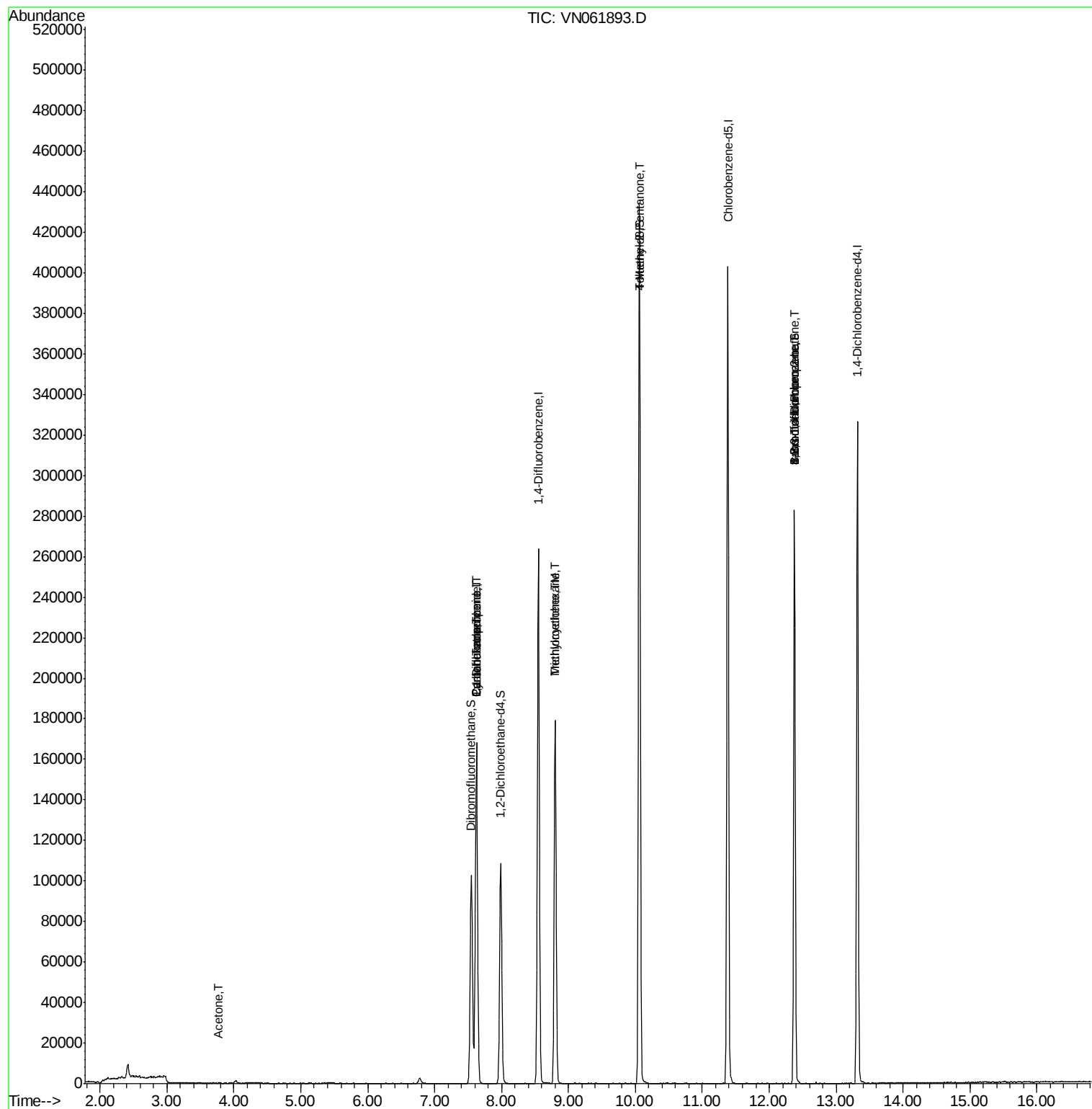
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.77	43	287	0.541	ug/l #	40
31) Cyclohexane	7.62	56	1369	0.578	ug/l #	4
36) 1,1-Dichloropropene	7.62	75	10745	4.776	ug/l #	48
38) Carbon Tetrachloride	7.62	117	13182	5.917	ug/l #	17
39) Methylcyclohexane	8.80	83	588	0.243	ug/l #	1
44) Trichloroethene	8.80	130	68924	38.430	ug/l	94
51) 4-Methyl-2-Pentanone	10.05	43	633	0.362	ug/l #	1
71) Bromoform	12.38	173	619	0.475	ug/l #	1
76) 1,2,3-Trichloropropane	12.37	75	49039	27.257	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.37	75	49039	74.340	ug/l #	14

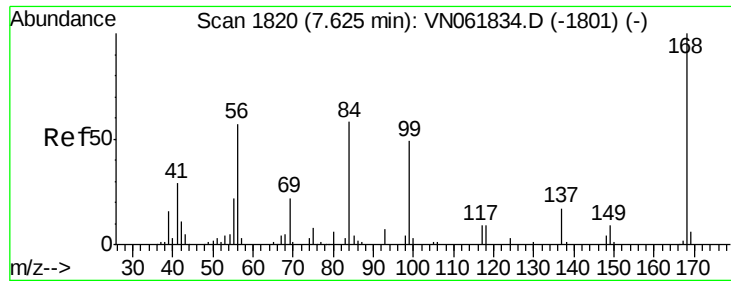
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN061893.D

Acq: 18 Jun 2020 12:26

Instrument :

MSVOA_N

ClientSampleId :

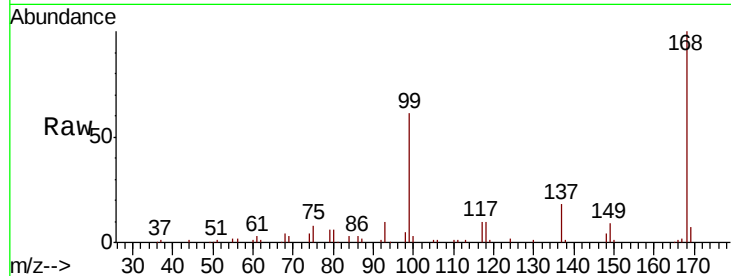
RE103D3-20200610DL

Tot Ion:168 Resp: 133970

Ion Ratio Lower Upper

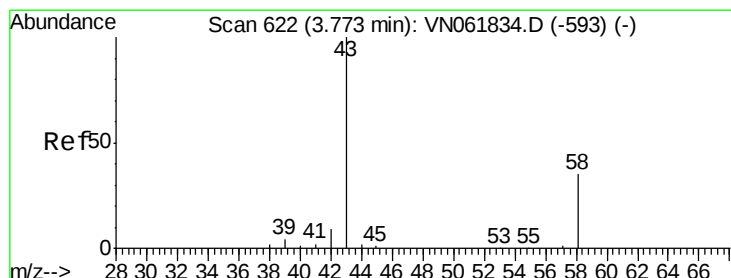
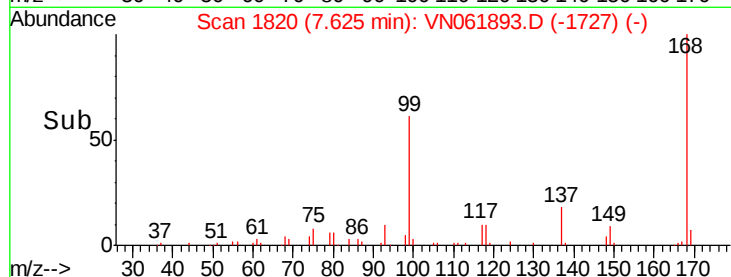
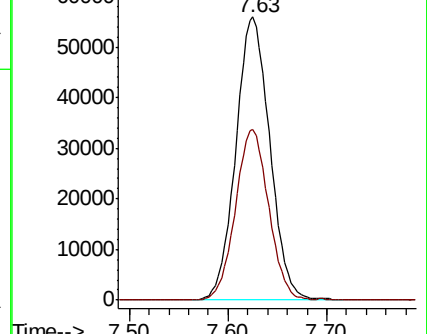
168 100

99 60.5 44.6 67.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#16

Acetone

Concen: 0.541 ug/l

RT: 3.77 min Scan# 620

Delta R.T. -0.01 min

Lab File: VN061893.D

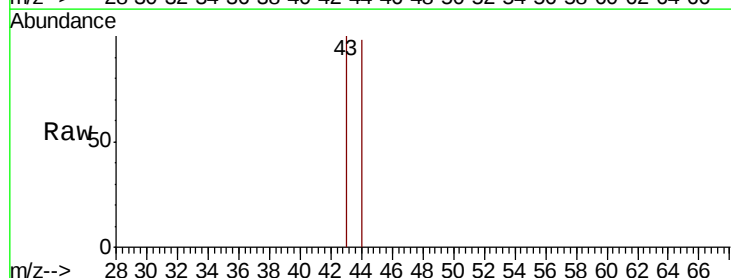
Acq: 18 Jun 2020 12:26

Tgt Ion: 43 Resp: 287

Ion Ratio Lower Upper

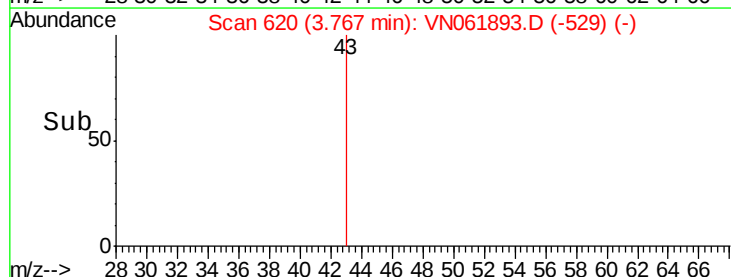
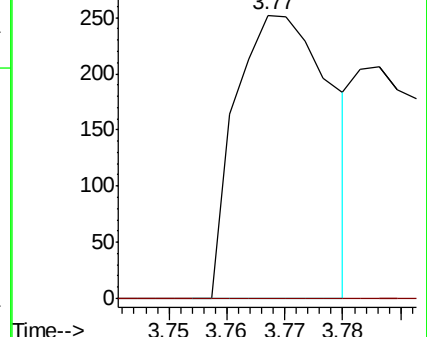
43 100

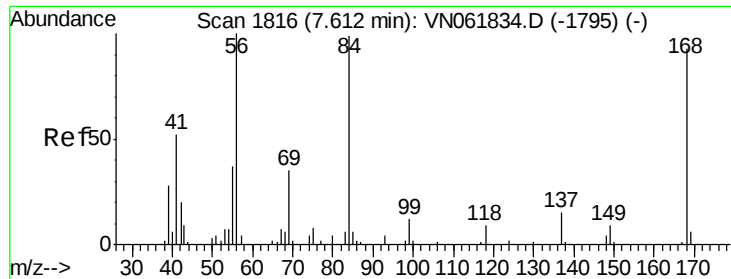
58 0.0 27.8 41.8#



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

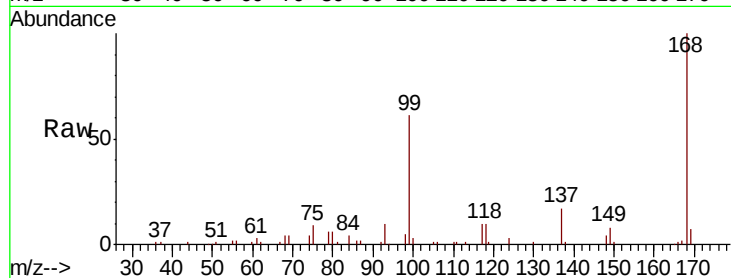




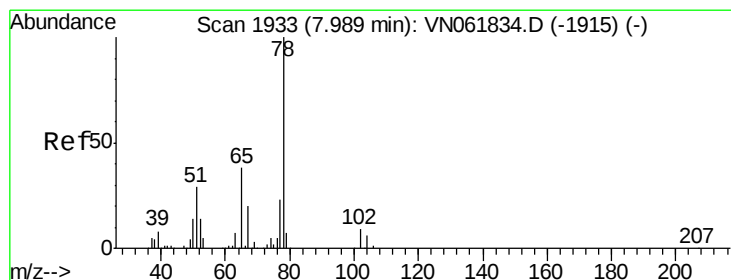
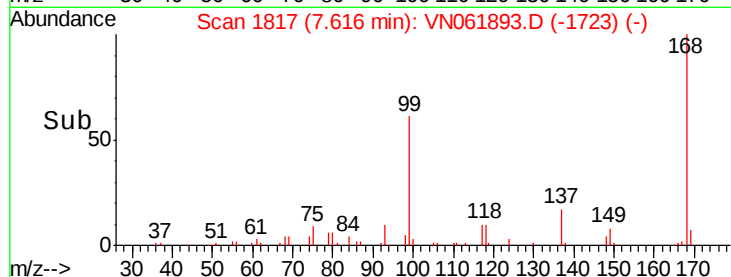
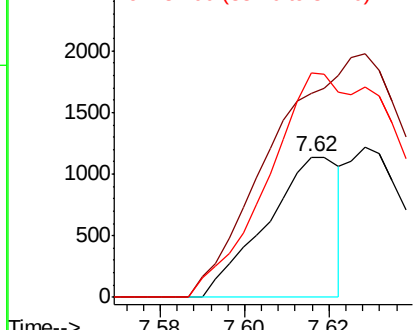
#31
Cyclohexane
Concen: 0.578 ug/l
RT: 7.62 min Scan# 1817
Delta R.T. 0.00 min
Lab File: VN061893.D
Acq: 18 Jun 2020 12:26

Instrument :
MSVOA_N
ClientSampleId :
RE103D3-20200610DL

Tot Ion: 56 Resp: 1369
Ion Ratio Lower Upper
56 100
69 145.4 27.7 41.5#
84 160.5 79.1 118.7#

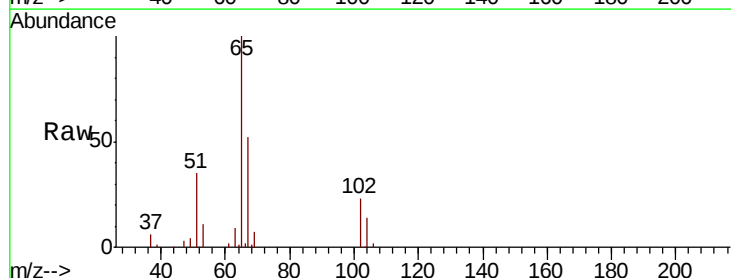


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

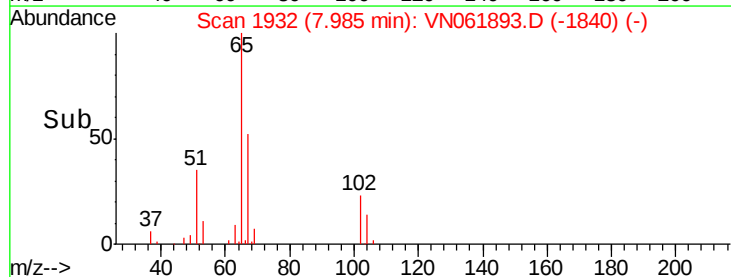
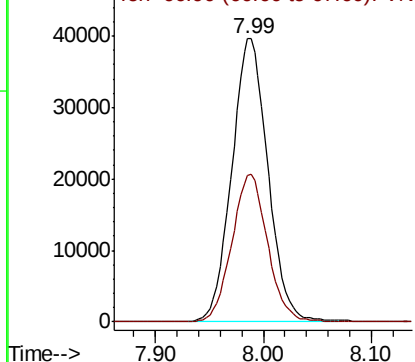


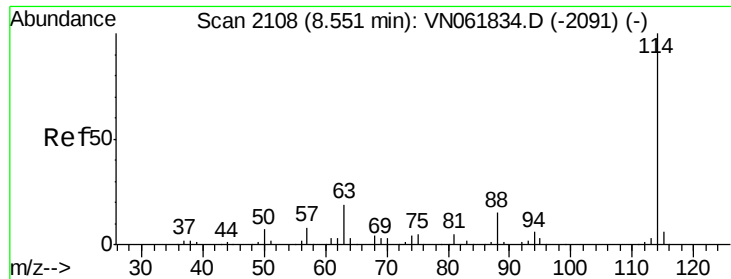
#33
1,2-Dichloroethane-d4
Concen: 51.354 ug/l
RT: 7.99 min Scan# 1932
Delta R.T. -0.00 min
Lab File: VN061893.D
Acq: 18 Jun 2020 12:26

Tgt Ion: 65 Resp: 92270
Ion Ratio Lower Upper
65 100
67 51.3 0.0 106.2



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

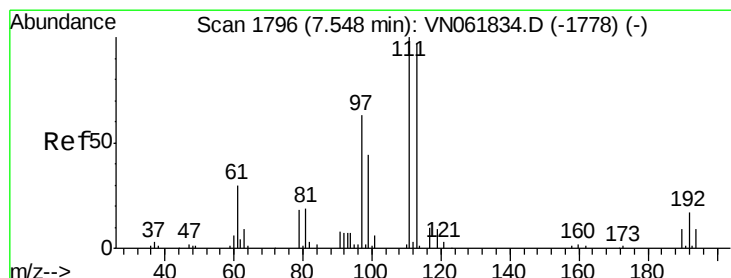
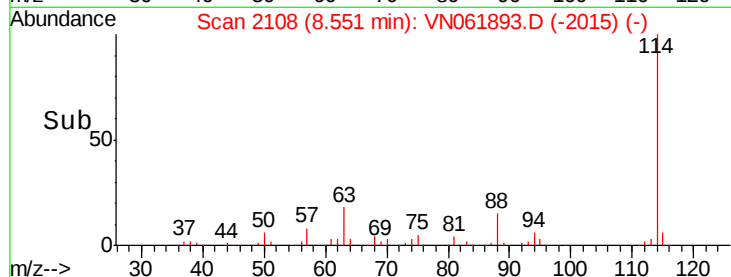
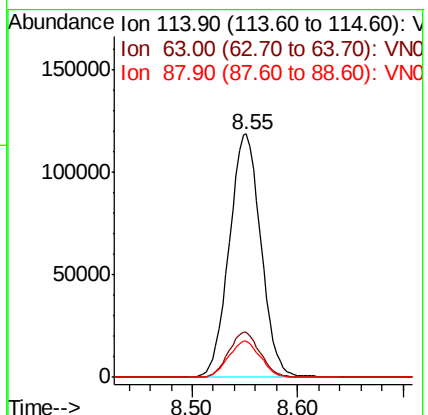
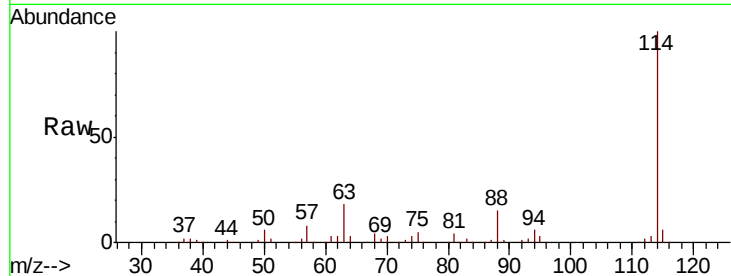




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2108
Delta R.T. 0.00 min
Lab File: VN061893.D
Acq: 18 Jun 2020 12:26

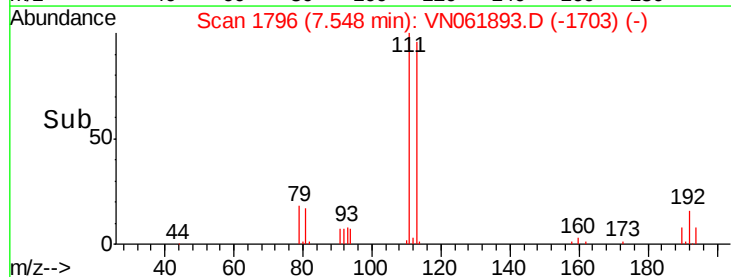
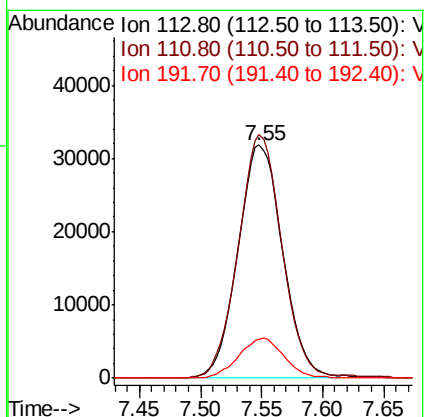
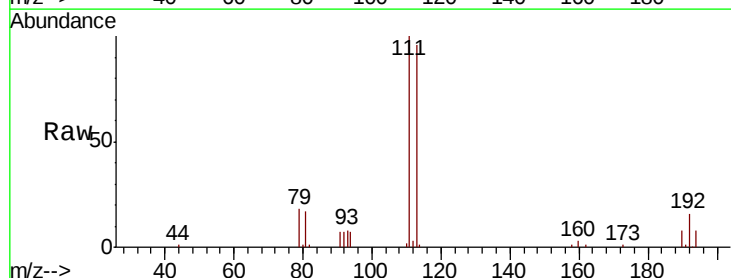
Instrument :
MSVOA_N
ClientSampleId :
RE103D3-20200610DL

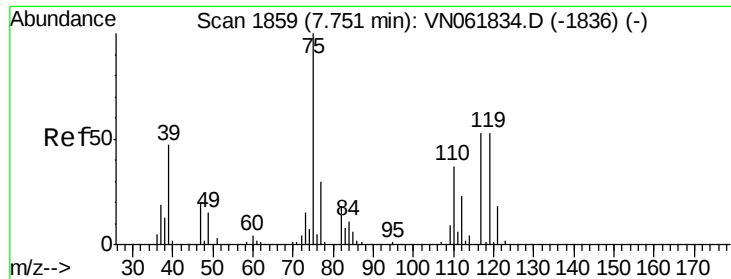
Tot Ion:114 Resp: 246646
Ion Ratio Lower Upper
114 100
63 18.5 0.0 37.6
88 15.1 0.0 31.0



#35
Dibromofluoromethane
Concen: 51.135 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN061893.D
Acq: 18 Jun 2020 12:26

Tgt Ion:113 Resp: 80686
Ion Ratio Lower Upper
113 100
111 101.6 83.7 125.5
192 17.2 13.9 20.9

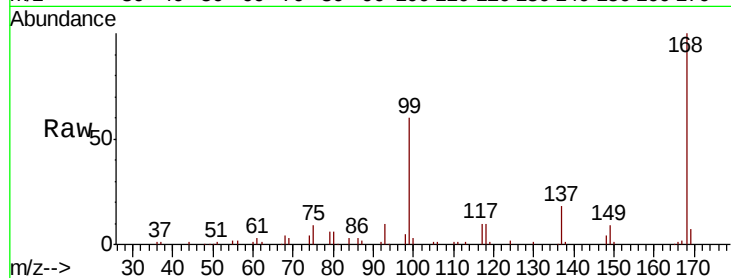




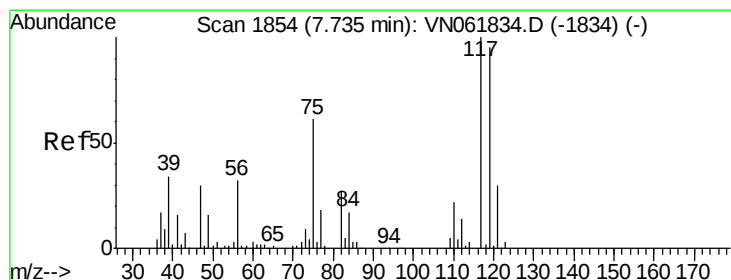
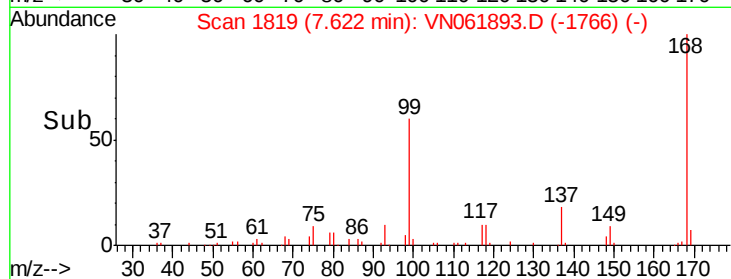
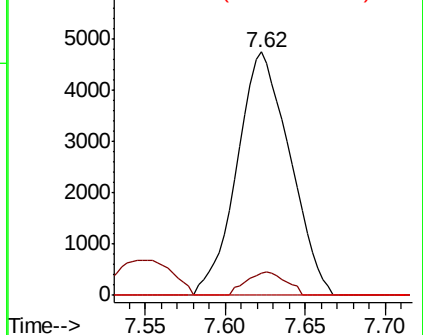
#36
 1,1-Dichloropropene
 Concen: 4.776 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.13 min
 Lab File: VN061893.D
 Acq: 18 Jun 2020 12:26

Instrument :
 MSVOA_N
 ClientSampleId :
 RE103D3-20200610DL

Tot Ion	Ratio	Lower	Upper
75	100		
110	7.1	18.2	54.6#
77	0.0	24.2	36.4#

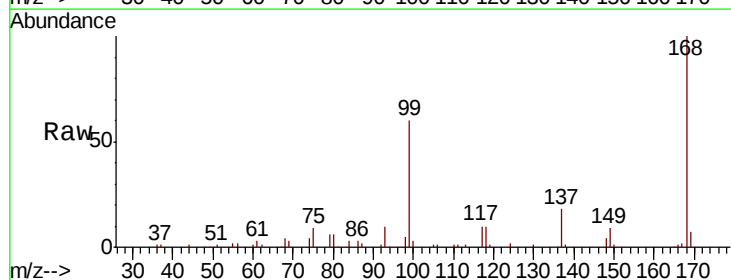


Abundance Ion 74.90 (74.60 to 75.60): VN061834.D (-1836) (-)
 Ion 109.90 (109.60 to 110.60): VN061834.D (-1836) (-)
 Ion 76.90 (76.60 to 77.60): VN061834.D (-1836) (-)

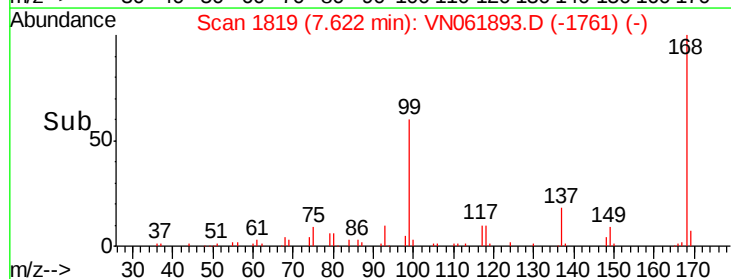
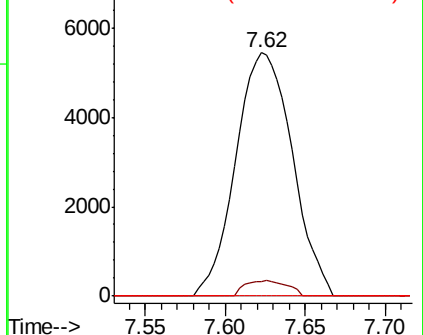


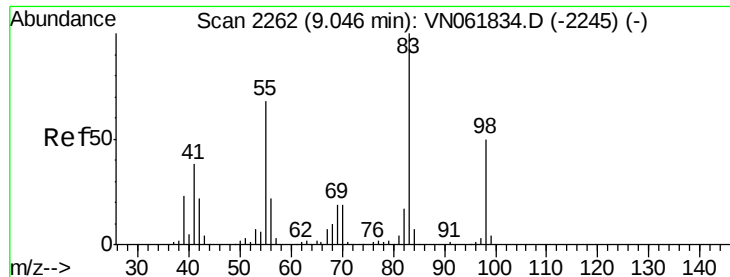
#38
 Carbon Tetrachloride
 Concen: 5.917 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.11 min
 Lab File: VN061893.D
 Acq: 18 Jun 2020 12:26

Tgt 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): VN061834.D (-1834) (-)
 Ion 118.80 (118.50 to 119.50): VN061834.D (-1834) (-)
 Ion 120.80 (120.50 to 121.50): VN061834.D (-1834) (-)





#39

Methvlcvclohexane

Concen: 0.243 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. -0.24 min

Lab File: VN061893.D

Acq: 18 Jun 2020 12:26

Instrument :

MSVOA_N

ClientSampleId :

RE103D3-20200610DL

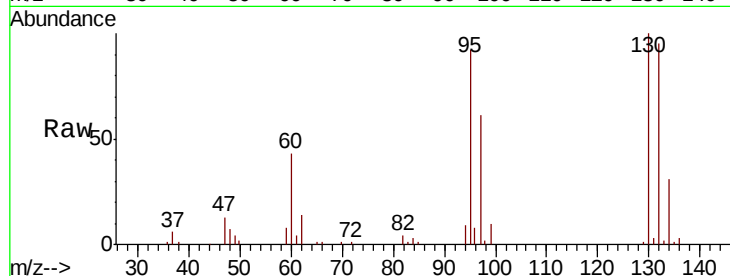
Tot Ion: 83 Resp: 588

Ion Ratio Lower Upper

83 100

55 0.0 54.2 81.4#

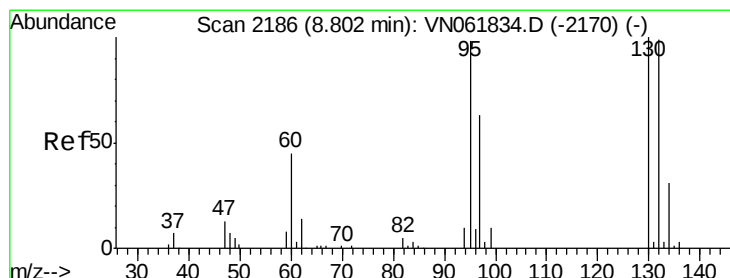
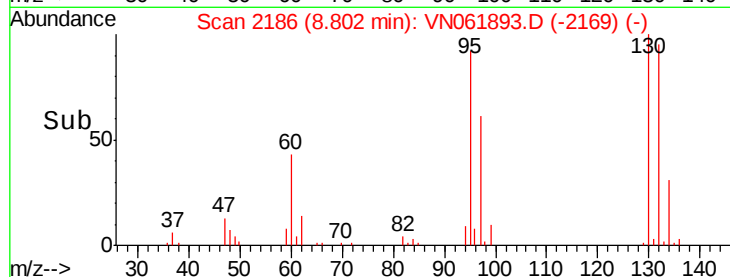
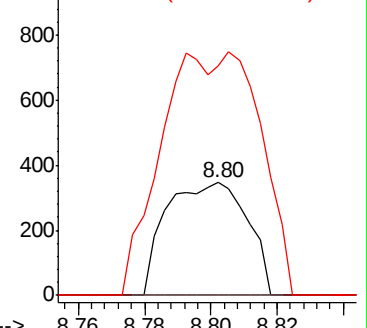
98 149.3 39.8 59.6#



Abundance Ion 83.00 (82.70 to 83.70): VN061893.D (-2186) (-)

Ion 55.00 (54.70 to 55.70): VN061893.D (-2186) (-)

Ion 98.00 (97.70 to 98.70): VN061893.D (-2186) (-)



#44

Trichloroethene

Concen: 38.430 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. 0.00 min

Lab File: VN061893.D

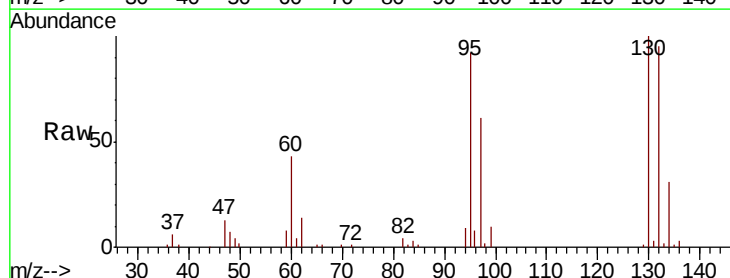
Acq: 18 Jun 2020 12:26

Tgt Ion:130 Resp: 68924

Ion Ratio Lower Upper

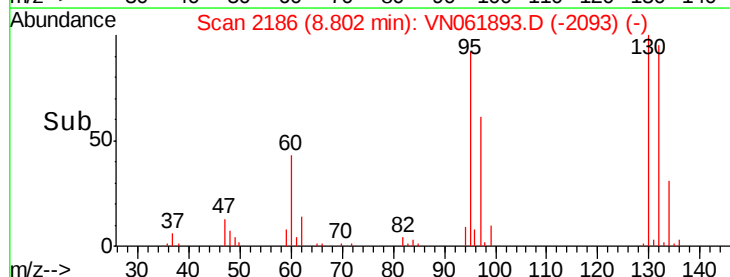
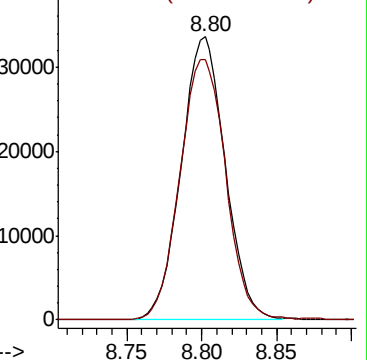
130 100

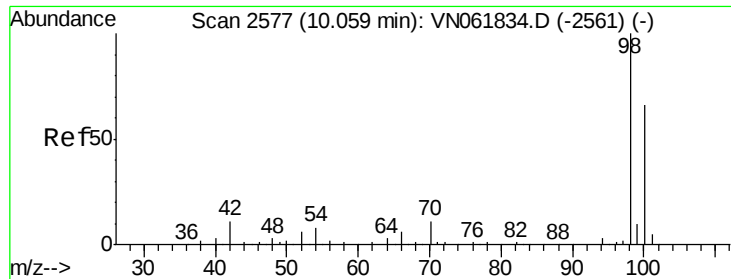
95 91.8 0.0 195.6



Abundance Ion 129.80 (129.50 to 130.50): VN061893.D (-2186) (-)

Ion 94.90 (94.60 to 95.60): VN061893.D (-2186) (-)





#50

Toluene-d8

Concen: 50.336 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN061893.D

Acq: 18 Jun 2020 12:26

Instrument :

MSVOA_N

ClientSampleId :

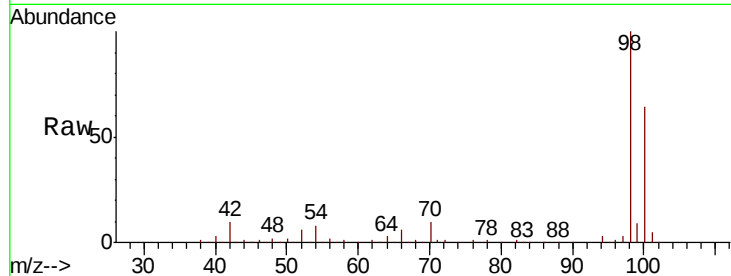
RE103D3-20200610DL

Tot Ion: 98 Resp: 312257

Ion Ratio Lower Upper

98 100

100 64.7 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VN061893.D (-2561) (-)

Ion 100.00 (99.70 to 100.70): VN061893.D (-2561) (-)

200000

150000

100000

50000

0

10.06

10.10

10.15

10.20

10.25

10.30

10.35

10.40

10.45

10.50

10.55

10.60

10.65

10.70

10.75

10.80

10.85

10.90

10.95

11.00

11.05

11.10

11.15

11.20

11.25

11.30

11.35

11.40

11.45

11.50

11.55

11.60

11.65

11.70

11.75

11.80

11.85

11.90

11.95

12.00

12.05

12.10

12.15

12.20

12.25

12.30

12.35

12.40

12.45

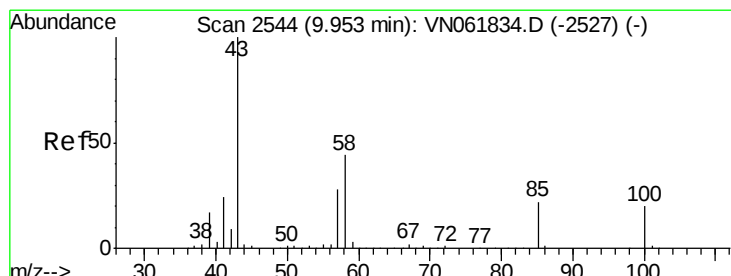
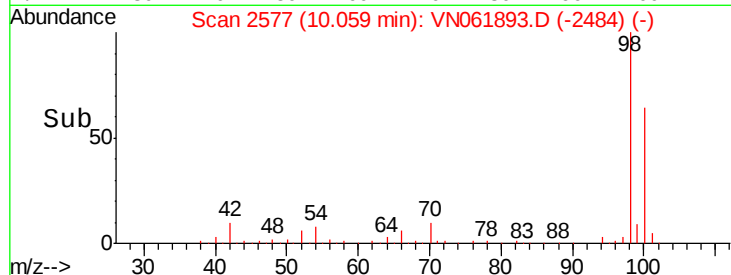
12.50

12.55

12.60

12.65

12.70



#51

4-Methyl-2-Pentanone

Concen: 0.362 ug/l

RT: 10.05 min Scan# 2575

Delta R.T. 0.10 min

Lab File: VN061893.D

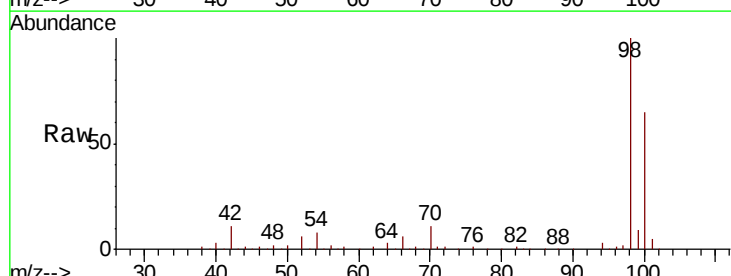
Acq: 18 Jun 2020 12:26

Tgt Ion: 43 Resp: 633

Ion Ratio Lower Upper

43 100

58 352.8 34.6 52.0#



Abundance Ion 43.00 (42.70 to 43.70): VN061893.D (-2451) (-)

Ion 58.00 (57.70 to 58.70): VN061893.D (-2451) (-)

1500

1000

500

0

10.05

10.10

10.15

10.20

10.25

10.30

10.35

10.40

10.45

10.50

10.55

10.60

10.65

10.70

10.75

10.80

10.85

10.90

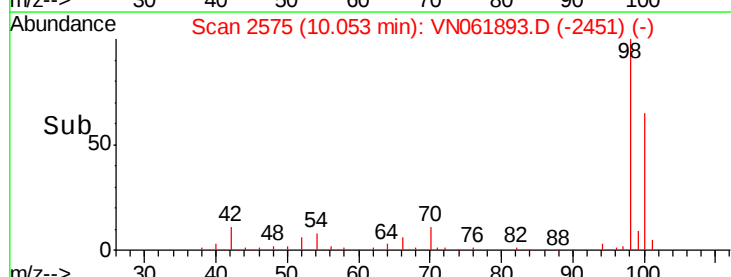
10.95

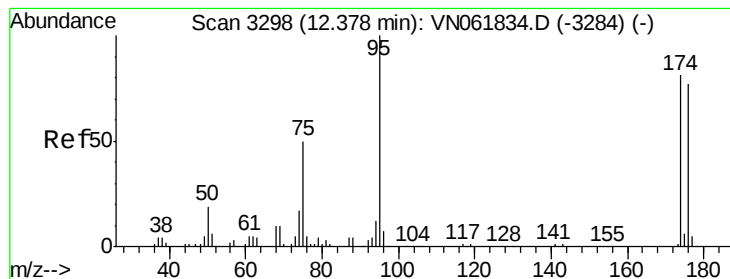
11.00

11.05

11.10

11.15





#62

4-Bromofluorobenzene

Concen: 47.563 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN061893.D

Acq: 18 Jun 2020 12:26

Instrument :

MSVOA_N

ClientSampleId :

RE103D3-20200610DL

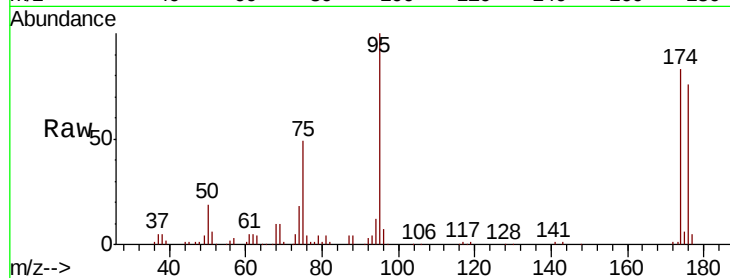
Tot Ion: 95 Resp: 101208

Ion Ratio Lower Upper

95 100

174 80.8 0.0 158.6

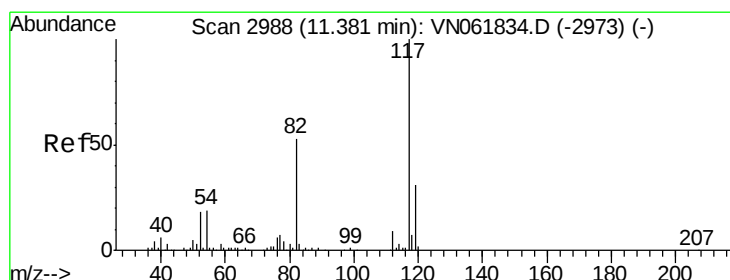
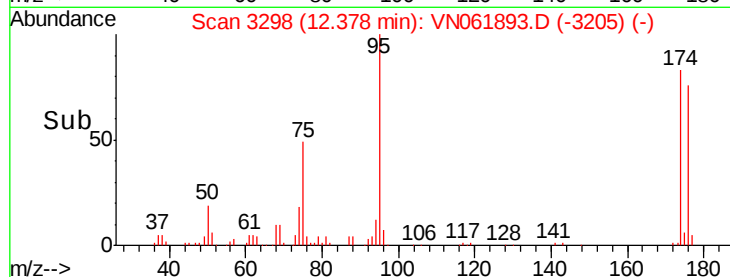
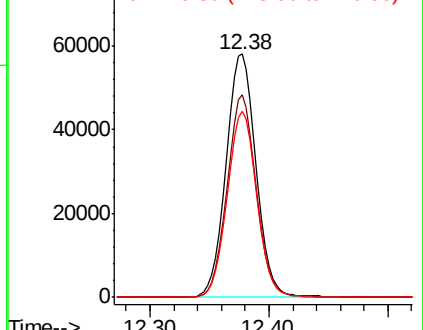
176 75.5 0.0 152.0



Abundance Ion 94.90 (94.60 to 95.60): VN061893.D (-3205) (-)

Ion 173.80 (173.50 to 174.50): VN061893.D (-3205) (-)

Ion 175.80 (175.50 to 176.50): VN061893.D (-3205) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. 0.00 min

Lab File: VN061893.D

Acq: 18 Jun 2020 12:26

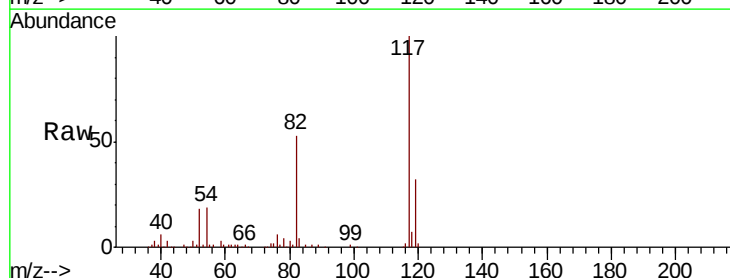
Tgt Ion: 117 Resp: 242866

Ion Ratio Lower Upper

117 100

82 52.7 42.6 64.0

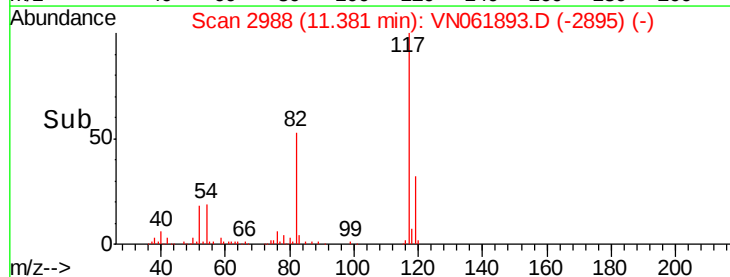
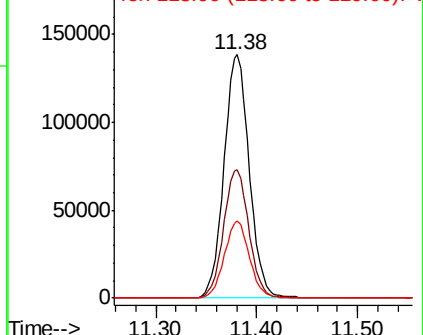
119 32.0 24.7 37.1

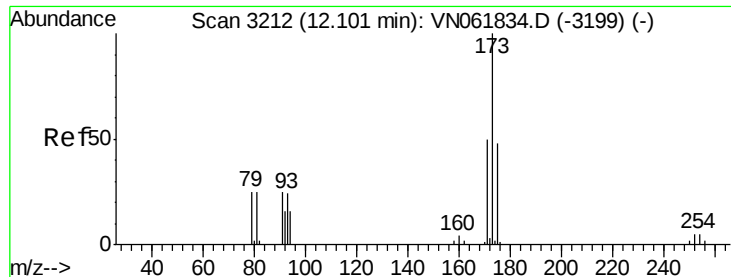


Abundance Ion 116.90 (116.60 to 117.60): VN061893.D (-2895) (-)

Ion 82.00 (81.70 to 82.70): VN061893.D (-2895) (-)

Ion 118.90 (118.60 to 119.60): VN061893.D (-2895) (-)





#71

Bromoform

Concen: 0.475 ug/l

RT: 12.38 min Scan# 3299

Delta R.T. 0.28 min

Lab File: VN061893.D

Acq: 18 Jun 2020 12:26

Instrument :

MSVOA_N

ClientSampleId :

RE103D3-20200610DL

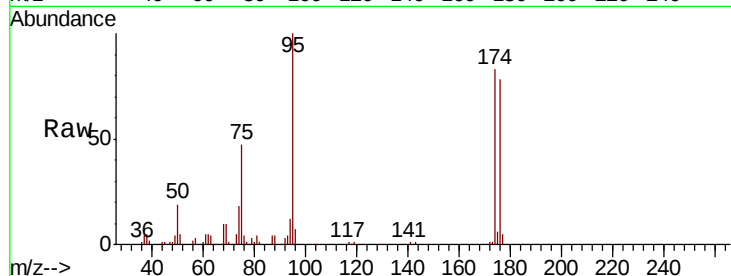
Tot Ion:173 Resp: 619

Ion Ratio Lower Upper

173 100

175 838.9 23.9 71.7#

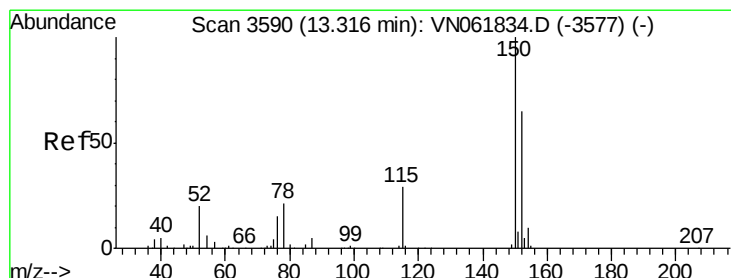
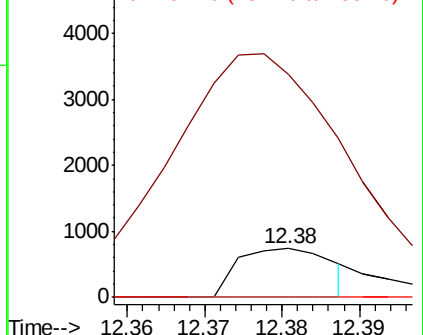
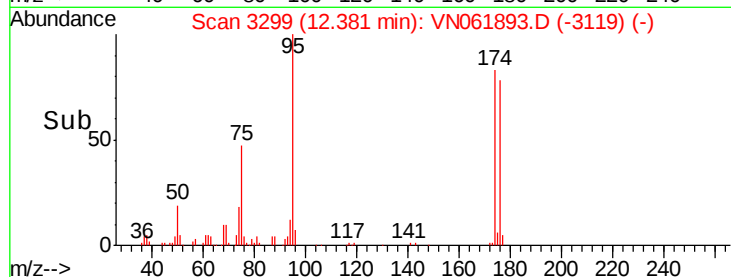
254 0.0 0.0 0.0



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: VN061893.D

Acq: 18 Jun 2020 12:26

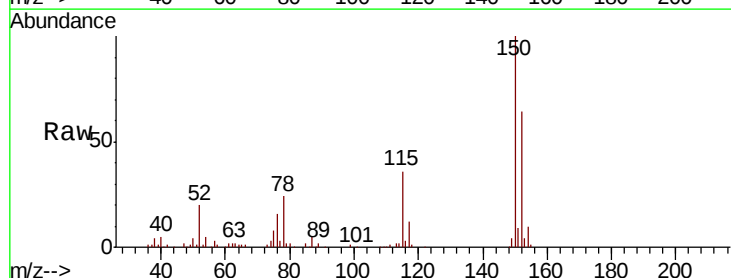
Tgt Ion:152 Resp: 91642

Ion Ratio Lower Upper

152 100

115 57.4 29.1 87.3

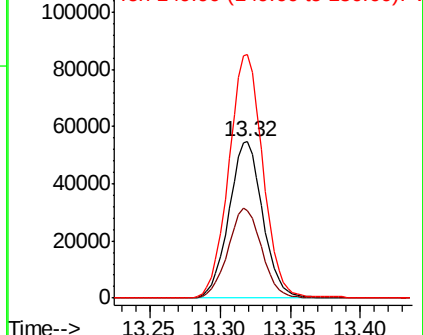
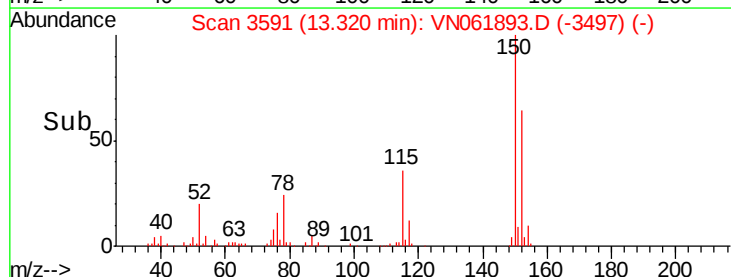
150 157.3 0.0 347.6

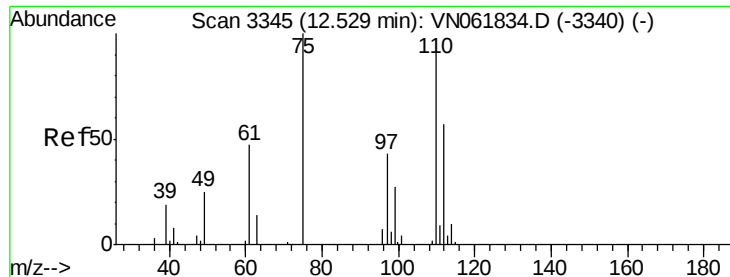


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 27.257 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. -0.15 min

Lab File: VN061893.D

Acq: 18 Jun 2020 12:26

Instrument :

MSVOA_N

ClientSampleId :

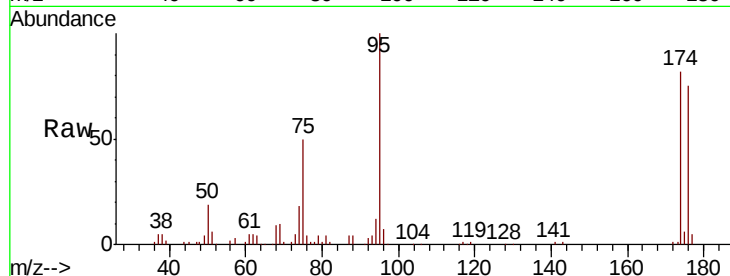
RE103D3-20200610DL

Tot Ion: 75 Resp: 49039

Ion Ratio Lower Upper

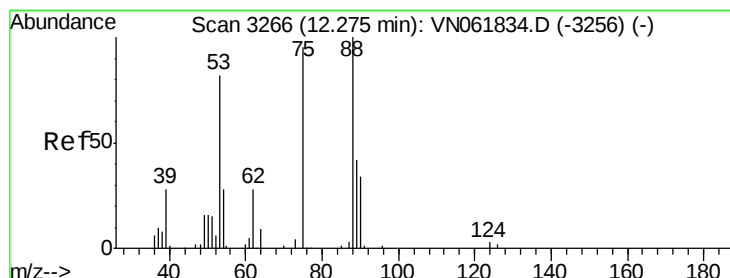
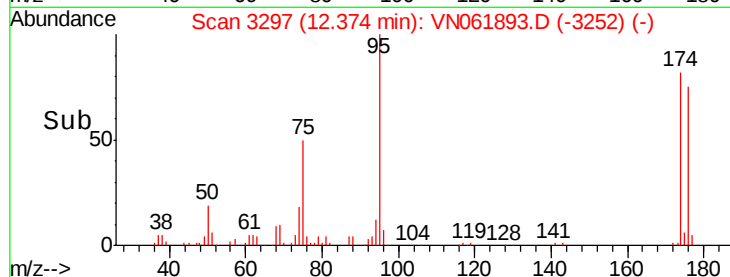
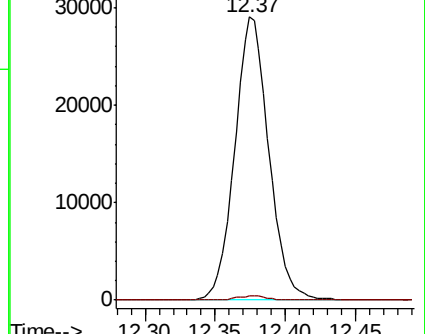
75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN061893.D (-3297) (-)

Ion 77.00 (76.70 to 77.70): VN061893.D (-3297) (-)



#81

trans-1,4-Dichloro-2-butene

Concen: 74.340 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. 0.10 min

Lab File: VN061893.D

Acq: 18 Jun 2020 12:26

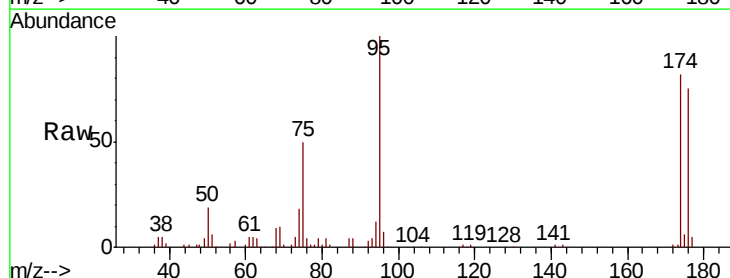
Tgt Ion: 75 Resp: 49039

Ion Ratio Lower Upper

75 100

53 0.0 70.4 105.6#

89 0.0 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VN061893.D (-3297) (-)

Ion 53.00 (52.70 to 53.70): VN061893.D (-3297) (-)

Ion 88.90 (88.60 to 89.60): VN061893.D (-3297) (-)

