

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061820\
 Data File : VN061892.D
 Acq On : 18 Jun 2020 12:02
 Operator : JC/MD
 Sample : L2989-06DL 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE103D2-20200610DL

Quant Time: Jun 19 05:23:50 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	7.62	168	128798	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	232429	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	229797	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	93898	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.98	65	84850	49.12	ug/l	0.00
Spiked Amount			Recovery	=	98.24%	
35) Dibromofluoromethane	7.54	113	74121	49.85	ug/l	0.00
Spiked Amount			Recovery	=	99.70%	
50) Toluene-d8	10.06	98	294677	50.41	ug/l	0.00
Spiked Amount			Recovery	=	100.82%	
62) 4-Bromofluorobenzene	12.38	95	100631	50.18	ug/l	0.00
Spiked Amount			Recovery	=	100.36%	

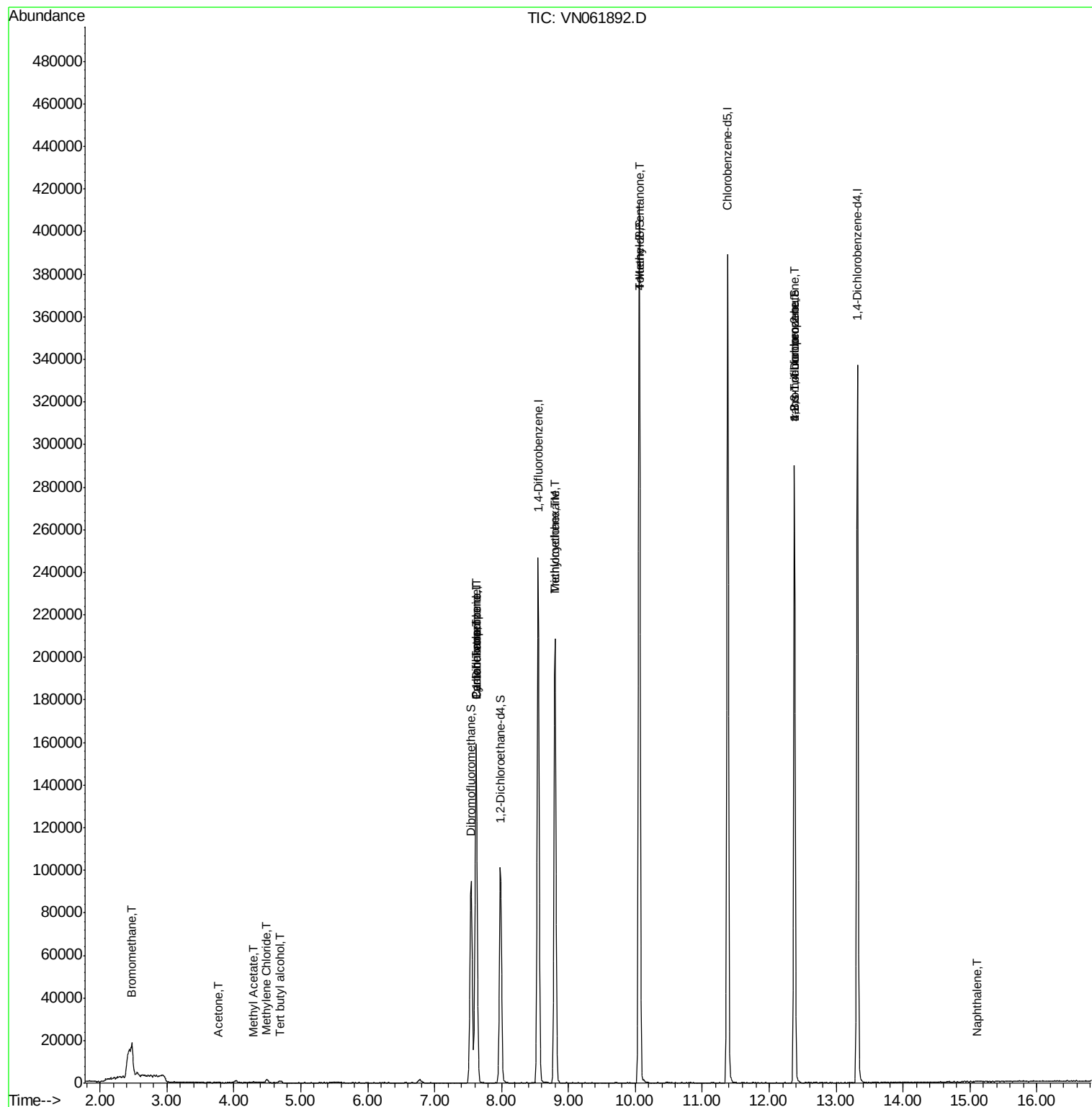
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.48	94	385	0.235	ug/l #	74
11) Tert butyl alcohol	4.69	59	477	1.996	ug/l #	74
16) Acetone	3.78	43	667	1.307	ug/l #	40
18) Methyl Acetate	4.28	43	858	0.584	ug/l #	46
20) Methylene Chloride	4.48	84	495	0.298	ug/l #	81
31) Cyclohexane	7.62	56	2578	1.133	ug/l #	2
36) 1,1-Dichloropropene	7.62	75	10211	4.816	ug/l #	45
38) Carbon Tetrachloride	7.62	117	12433	5.922	ug/l #	16
39) Methylcyclohexane	8.79	83	477	0.209	ug/l #	1
44) Trichloroethene	8.80	130	78907	46.688	ug/l	96
51) 4-Methyl-2-Pentanone	10.06	43	1113	0.675	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	51148	27.746	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	51148	75.674	ug/l #	14
95) Naphthalene	15.12	128	269	3.537	ug/l #	69

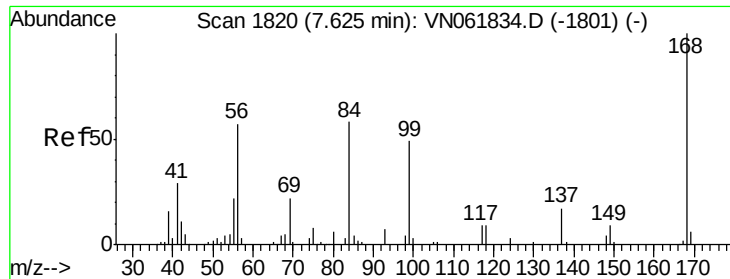
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN061820\
Data File : VN061892.D
Acq On : 18 Jun 2020 12:02
Operator : JC/MD
Sample : L2989-06DL 10X
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
RE103D2-20200610DL

Quant Time: Jun 19 05:23:50 2020
Quant Method : Z:\V0ASRV\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: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN061892.D

Acq: 18 Jun 2020 12:02

Instrument :

MSVOA_N

ClientSampleId :

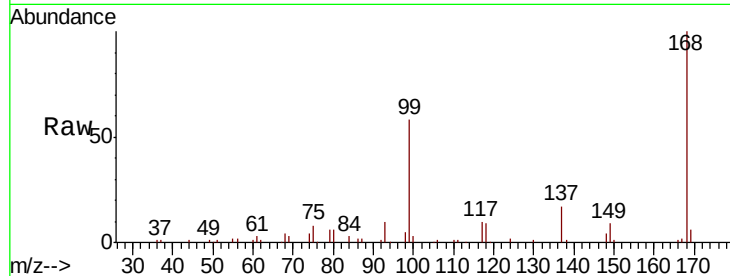
RE103D2-20200610DL

Tot Ion:168 Resp: 128798

Ion Ratio Lower Upper

168 100

99 57.6 44.6 67.0



Abundance Ion 167.90 (167.60 to 168.60): VN061834.D (-1801) (-)

Ion 98.90 (98.60 to 99.60): VN061834.D (-1801) (-)

7.62

60000

50000

40000

30000

20000

10000

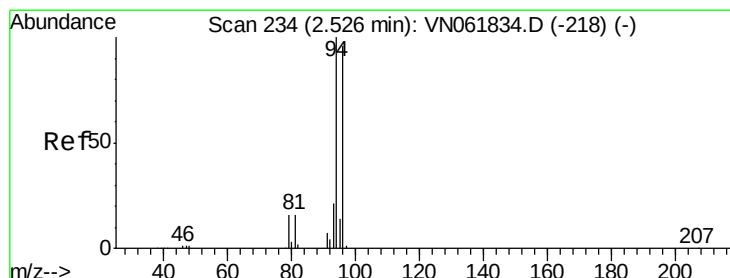
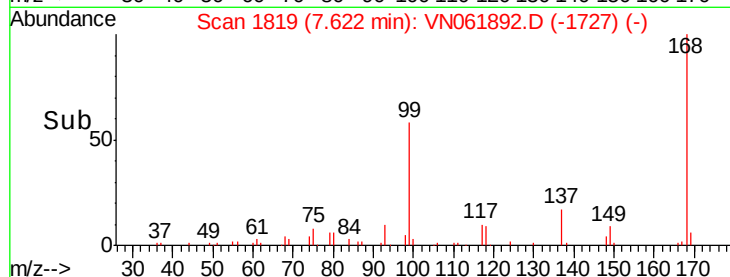
0

Time-->

7.50

7.60

7.70



#5

Bromomethane

Concen: 0.235 ug/l

RT: 2.48 min Scan# 221

Delta R.T. -0.04 min

Lab File: VN061892.D

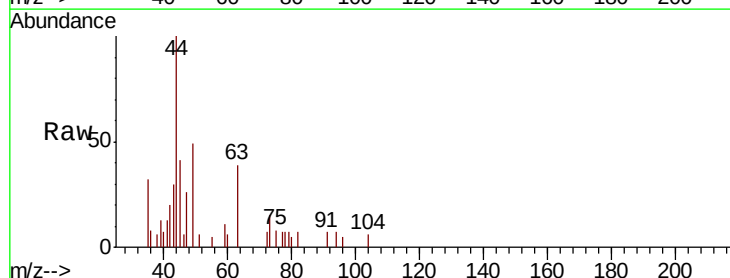
Acq: 18 Jun 2020 12:02

Tgt Ion: 94 Resp: 385

Ion Ratio Lower Upper

94 100

96 70.5 76.7 115.1#



Abundance Ion 93.90 (93.60 to 94.60): VN061834.D (-218) (-)

Ion 95.90 (95.60 to 96.60): VN061834.D (-218) (-)

2.48

250

200

150

100

50

0

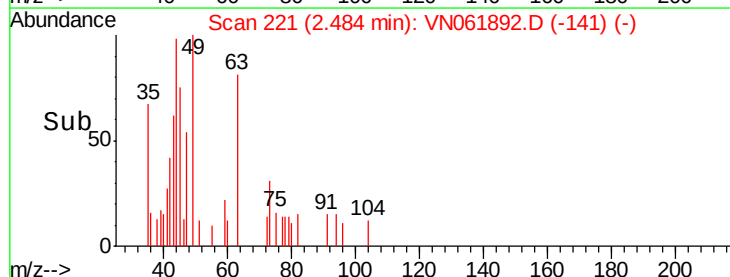
Time-->

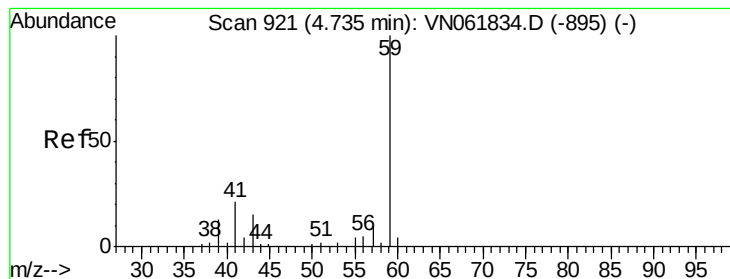
2.46

2.48

2.50

2.52





#11

Tert butyl alcohol

Concen: 1.996 ug/l

RT: 4.69 min Scan# 908

Delta R.T. -0.04 min

Lab File: VN061892.D

Acq: 18 Jun 2020 12:02

Instrument :

MSVOA_N

ClientSampleId :

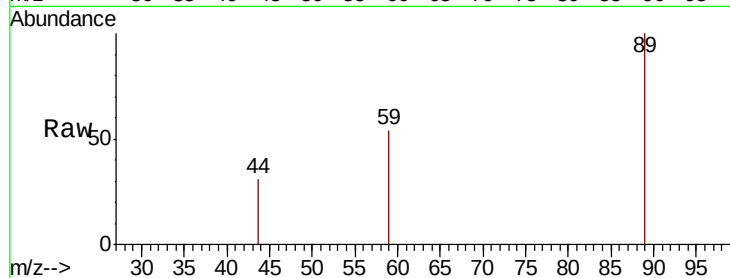
RE103D2-20200610DL

Tot Ion: 59 Resp: 477

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VN061892.D (-828) (-)

Ion 57.00 (56.70 to 57.70): VN061892.D (-828) (-)

4.69

300

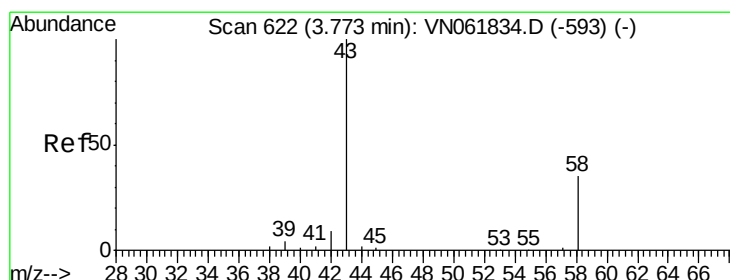
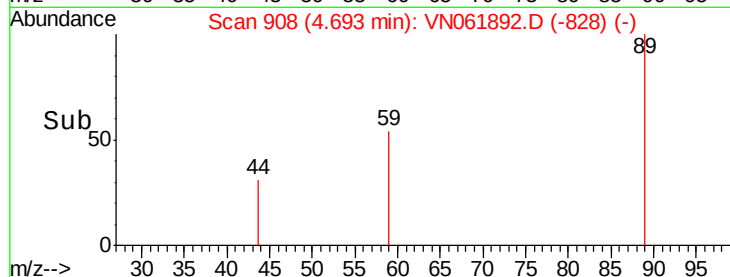
200

100

0

4.68 4.70 4.72

Time-->



#16

Acetone

Concen: 1.307 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN061892.D

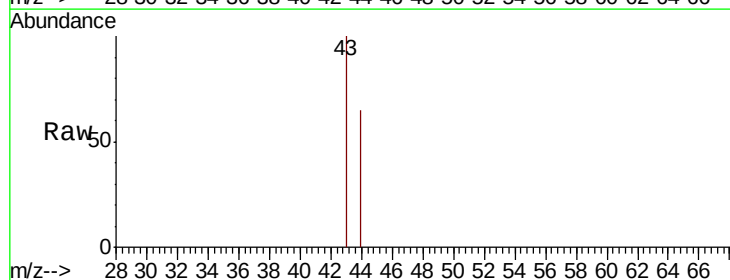
Acq: 18 Jun 2020 12:02

Tgt Ion: 43 Resp: 667

Ion Ratio Lower Upper

43 100

58 0.0 27.8 41.8#



Abundance Ion 43.00 (42.70 to 43.70): VN061892.D (-529) (-)

Ion 58.00 (57.70 to 58.70): VN061892.D (-529) (-)

3.78

300

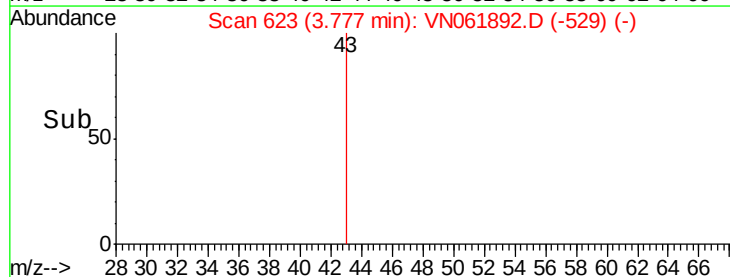
200

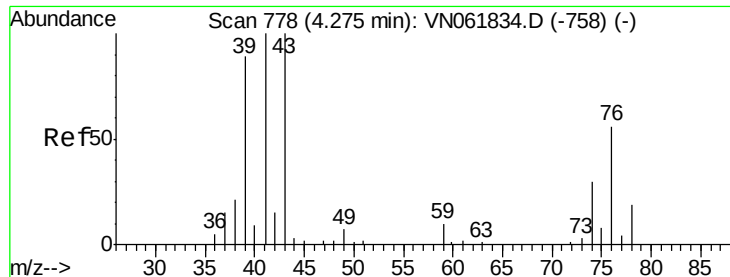
100

0

3.74 3.76 3.78 3.80

Time-->





#18

Methyl Acetate

Concen: 0.584 ug/l

RT: 4.28 min Scan# 779

Delta R.T. 0.00 min

Lab File: VN061892.D

Acq: 18 Jun 2020 12:02

Instrument :

MSVOA_N

ClientSampleId :

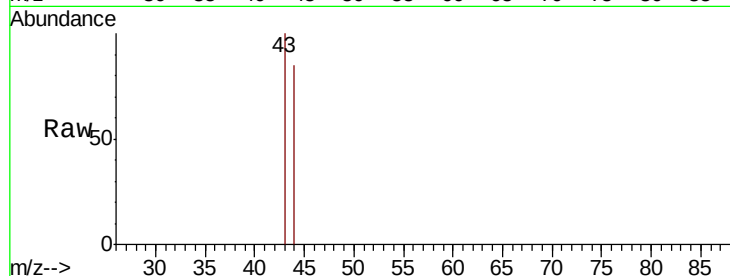
RE103D2-20200610DL

Tot Ion: 43 Resp: 858

Ion Ratio Lower Upper

43 100

74 0.0 23.0 34.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.28

400

300

200

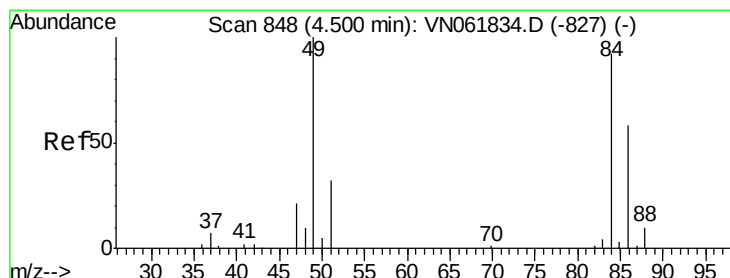
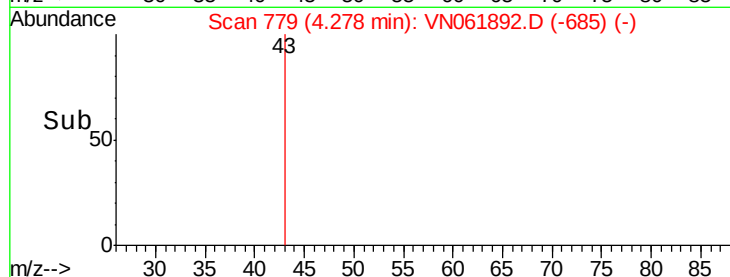
100

0

4.25

4.30

Time-->



#20

Methylene Chloride

Concen: 0.298 ug/l

RT: 4.48 min Scan# 843

Delta R.T. -0.02 min

Lab File: VN061892.D

Acq: 18 Jun 2020 12:02

Tgt Ion: 84 Resp: 495

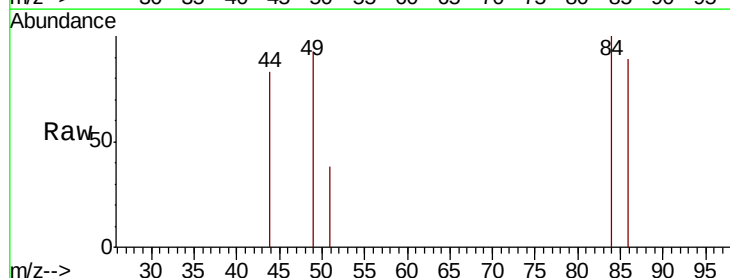
Ion Ratio Lower Upper

84 100

49 93.2 87.0 130.4

51 37.6 27.8 41.6

86 89.3 50.2 75.2#



Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0

600

400

200

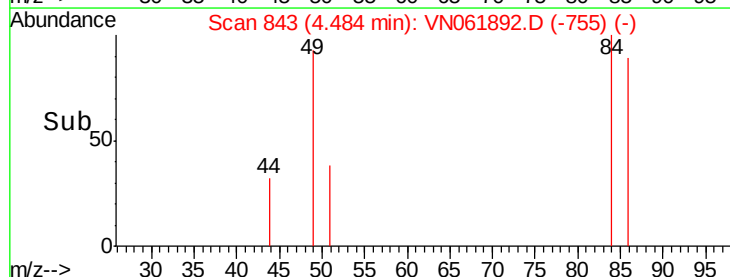
0

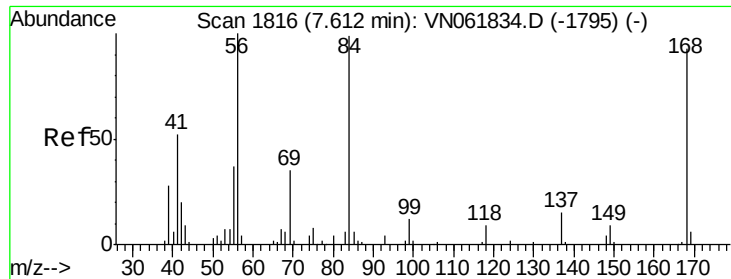
4.46

4.48

4.50

Time-->

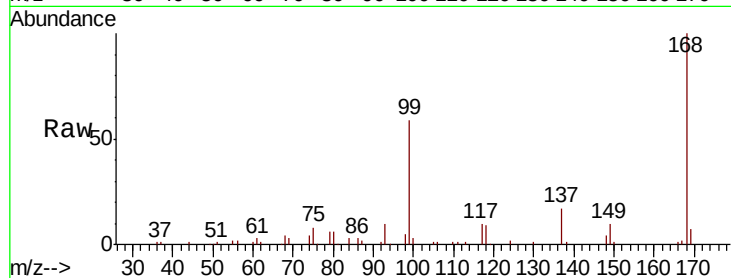




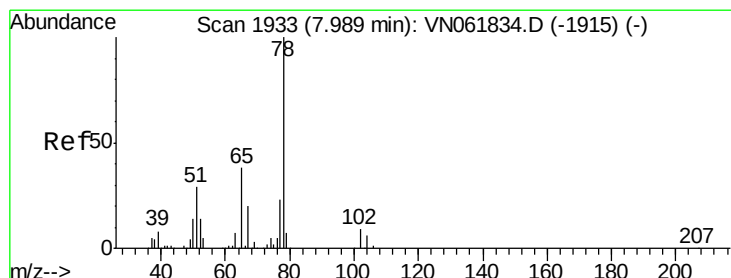
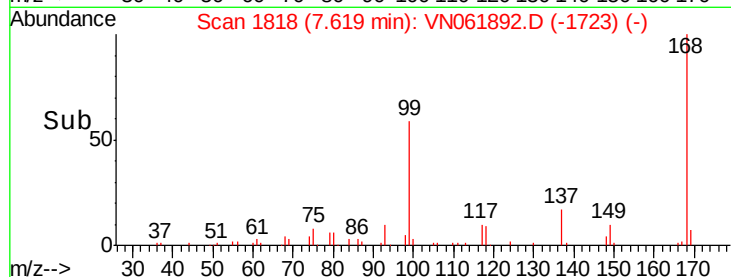
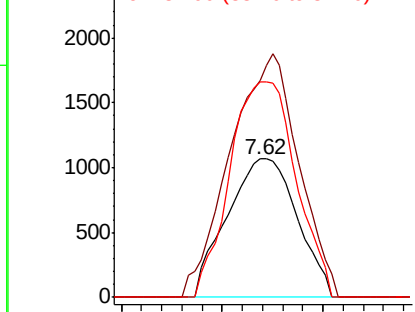
#31
Cyclohexane
Concen: 1.133 ug/l
RT: 7.62 min Scan# 1816
Delta R.T. 0.01 min
Lab File: VN061892.D
Acq: 18 Jun 2020 12:02

Instrument :
MSVOA_N
ClientSampleId :
RE103D2-20200610DL

Tot Ion: 56 Resp: 2578
Ion Ratio Lower Upper
56 100
69 156.6 27.7 41.5#
84 156.4 79.1 118.7#

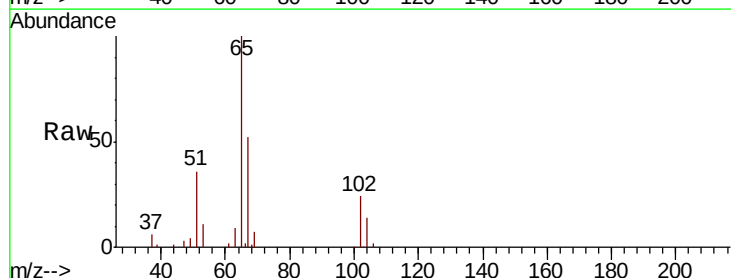


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

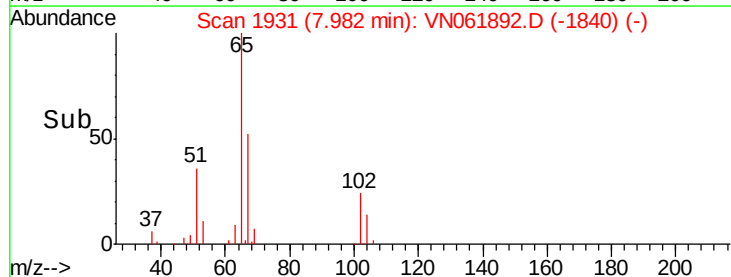
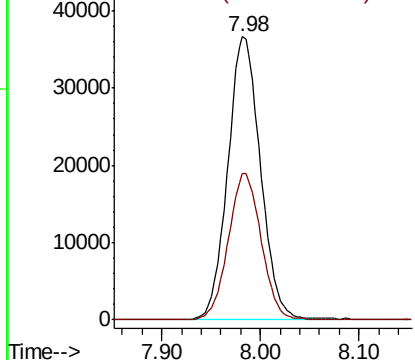


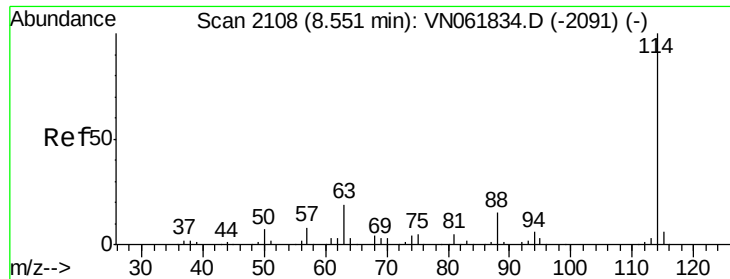
#33
1,2-Dichloroethane-d4
Concen: 49.121 ug/l
RT: 7.98 min Scan# 1931
Delta R.T. -0.01 min
Lab File: VN061892.D
Acq: 18 Jun 2020 12:02

Tgt Ion: 65 Resp: 84850
Ion Ratio Lower Upper
65 100
67 51.8 0.0 106.2



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

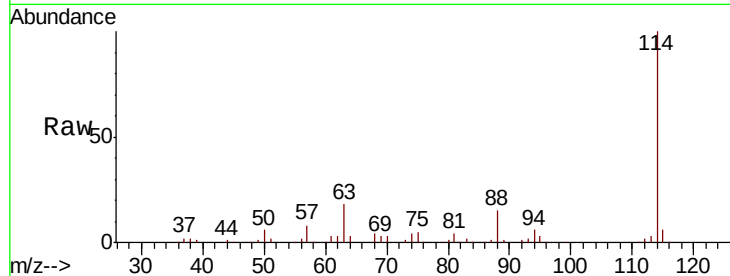




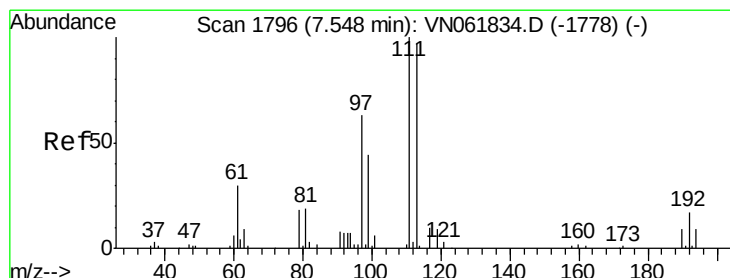
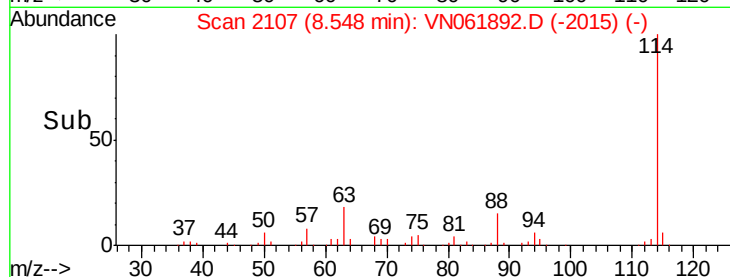
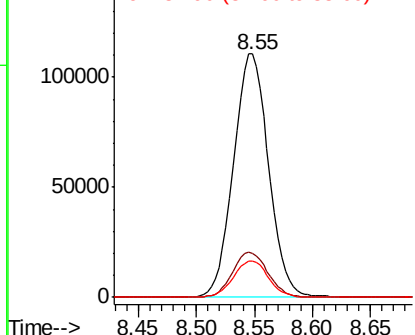
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2107
Delta R.T. -0.00 min
Lab File: VN061892.D
Acq: 18 Jun 2020 12:02

Instrument :
MSVOA_N
ClientSampleId :
RE103D2-20200610DL

Tot Ion:114 Resp: 232429
Ion Ratio Lower Upper
114 100
63 18.0 0.0 37.6
88 15.1 0.0 31.0

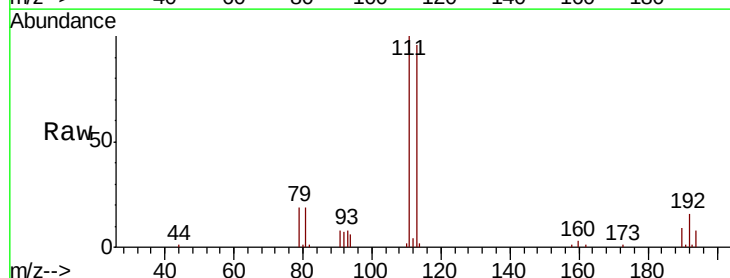


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

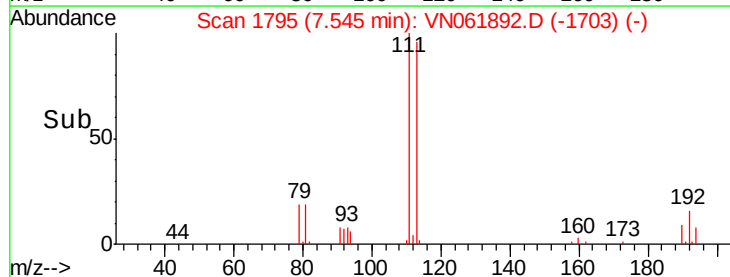
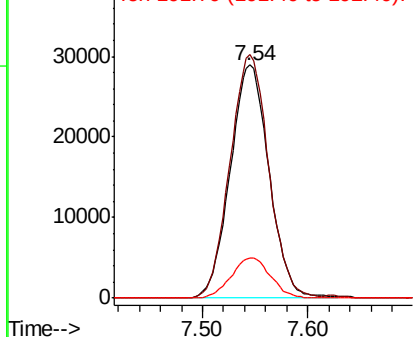


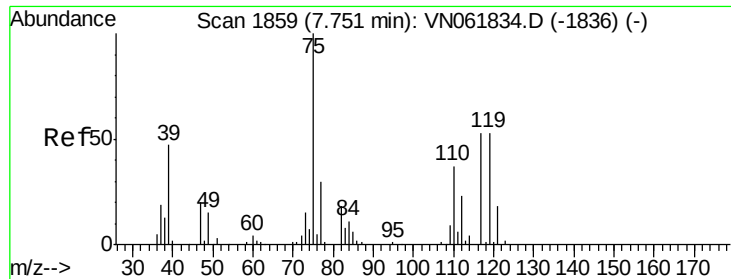
#35
Dibromofluoromethane
Concen: 49.847 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN061892.D
Acq: 18 Jun 2020 12:02

Tgt Ion:113 Resp: 74121
Ion Ratio Lower Upper
113 100
111 103.6 83.7 125.5
192 17.4 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

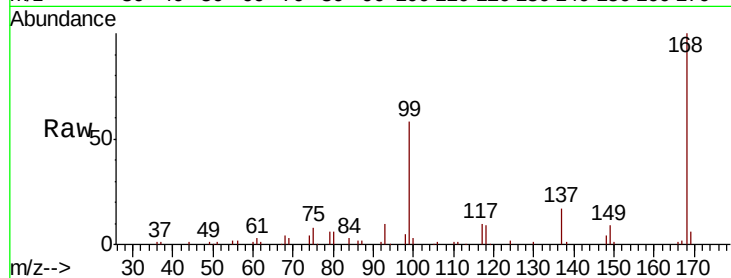




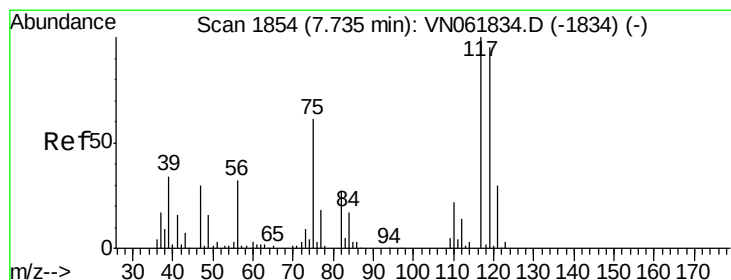
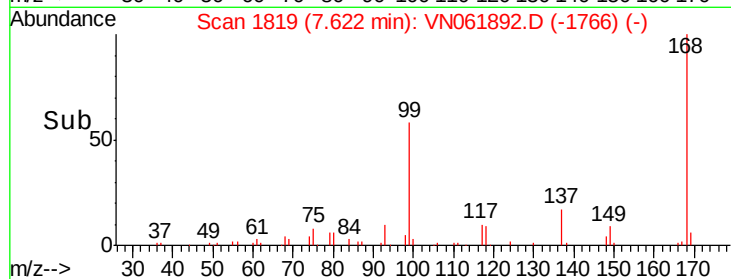
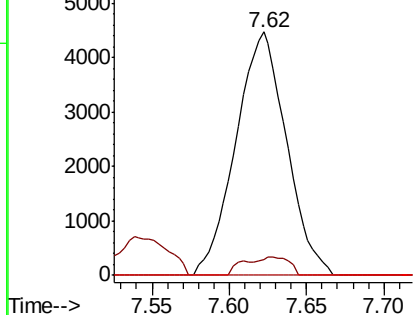
#36
 1,1-Dichloropropene
 Concen: 4.816 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.13 min
 Lab File: VN061892.D
 Acq: 18 Jun 2020 12:02

Instrument :
 MSVOA_N
 ClientSampleId :
 RE103D2-20200610DL

Tot Ion	Ratio	Lower	Upper
75	100		
110	4.4	18.2	54.6#
77	0.0	24.2	36.4#

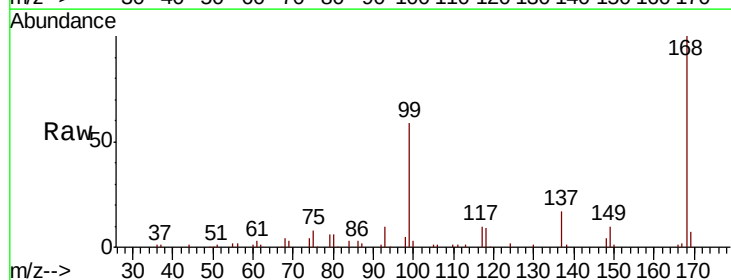


Abundance Ion 74.90 (74.60 to 75.60): VN061892.D (-1766) (-)
 Ion 109.90 (109.60 to 110.60): VN061892.D (-1766) (-)
 Ion 76.90 (76.60 to 77.60): VN061892.D (-1766) (-)

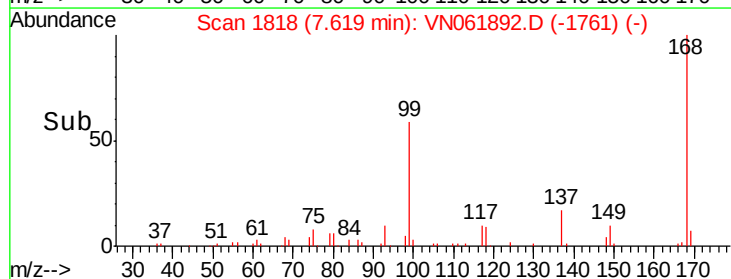
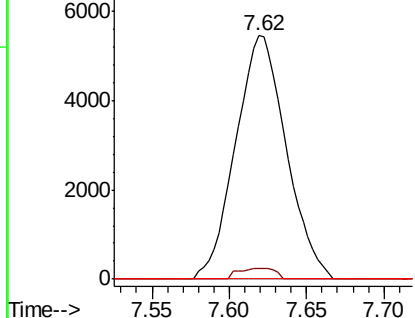


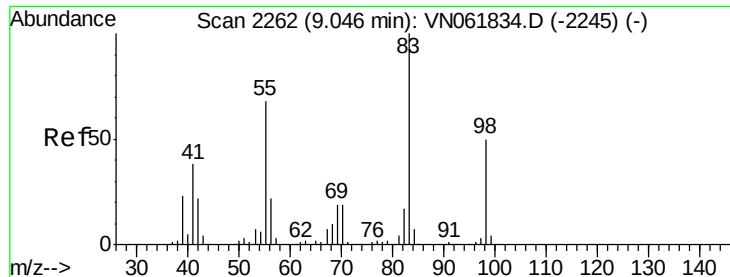
#38
 Carbon Tetrachloride
 Concen: 5.922 ug/l
 RT: 7.62 min Scan# 1818
 Delta R.T. -0.12 min
 Lab File: VN061892.D
 Acq: 18 Jun 2020 12:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.4	75.8	113.6#
121	0.0	23.8	35.6#



Abundance Ion 116.80 (116.50 to 117.50): VN061892.D (-1761) (-)
 Ion 118.80 (118.50 to 119.50): VN061892.D (-1761) (-)
 Ion 120.80 (120.50 to 121.50): VN061892.D (-1761) (-)

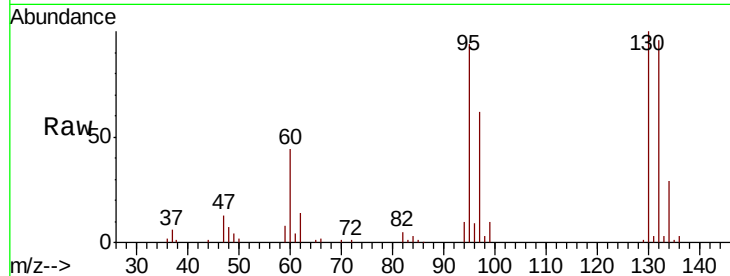




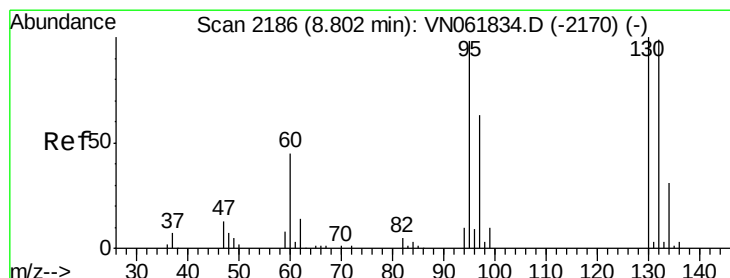
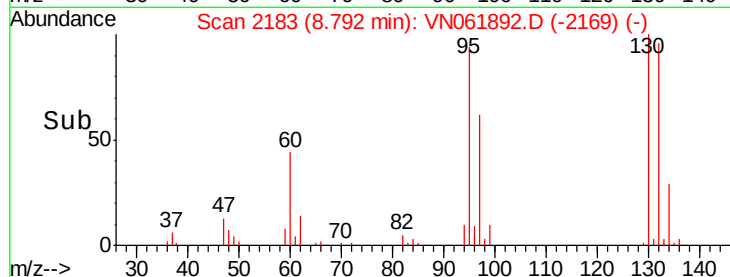
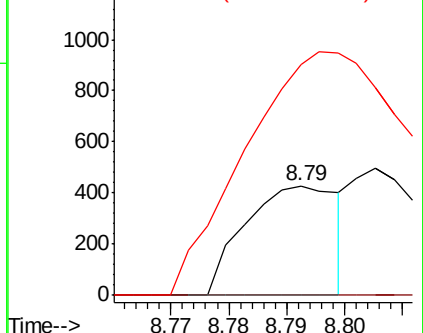
#39
Methvlcvclohexane
Concen: 0.209 ug/l
RT: 8.79 min Scan# 2183
Delta R.T. -0.25 min
Lab File: VN061892.D
Acq: 18 Jun 2020 12:02

Instrument :
MSVOA_N
ClientSampleId :
RE103D2-20200610DL

Tot Ion: 83 Resp: 477
Ion Ratio Lower Upper
83 100
55 0.0 54.2 81.4#
98 169.9 39.8 59.6#

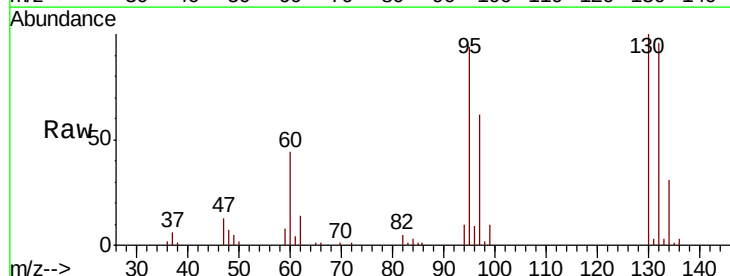


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

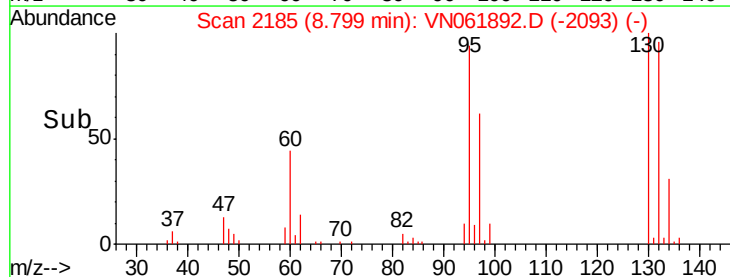
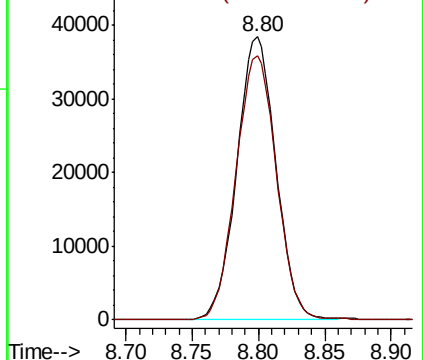


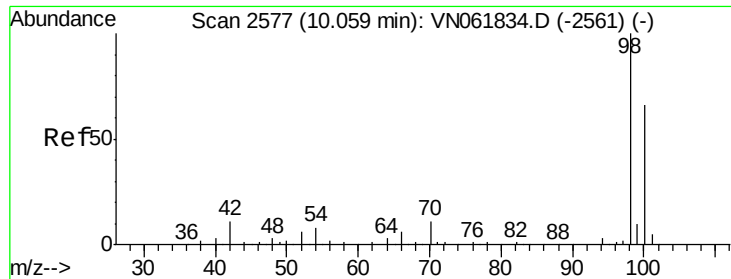
#44
Trichloroethene
Concen: 46.688 ug/l
RT: 8.80 min Scan# 2185
Delta R.T. -0.00 min
Lab File: VN061892.D
Acq: 18 Jun 2020 12:02

Tgt Ion:130 Resp: 78907
Ion Ratio Lower Upper
130 100
95 93.6 0.0 195.6



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VN0





#50

Toluene-d8

Concen: 50.408 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN061892.D

Acq: 18 Jun 2020 12:02

Instrument :

MSVOA_N

ClientSampleId :

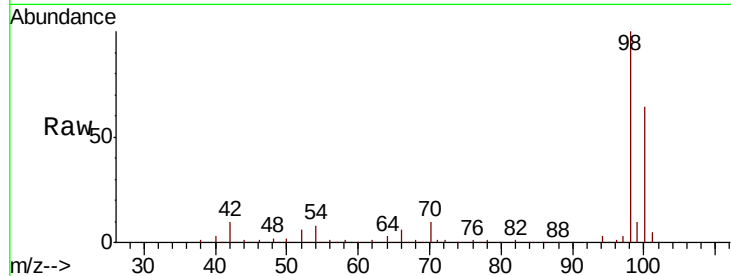
RE103D2-20200610DL

Tot Ion: 98 Resp: 294677

Ion Ratio Lower Upper

98 100

100 64.6 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

150000

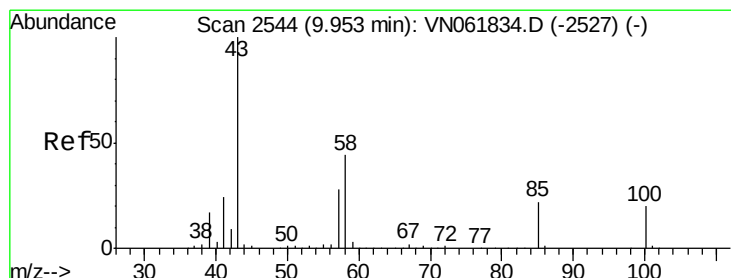
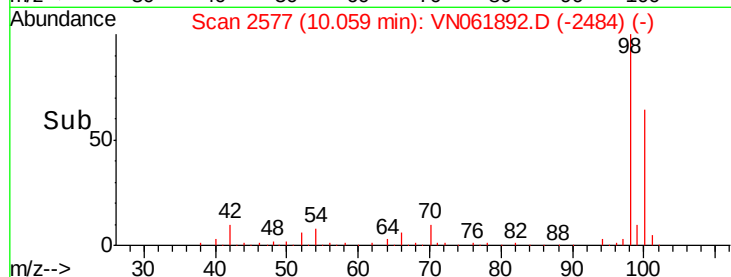
100000

50000

0

10.00 10.10 10.20

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.675 ug/l

RT: 10.06 min Scan# 2578

Delta R.T. 0.11 min

Lab File: VN061892.D

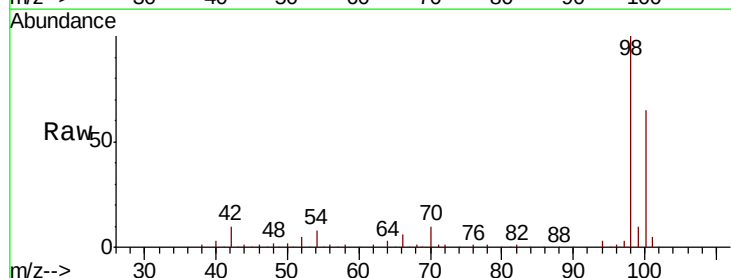
Acq: 18 Jun 2020 12:02

Tgt Ion: 43 Resp: 1113

Ion Ratio Lower Upper

43 100

58 193.9 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) (-)

10.06

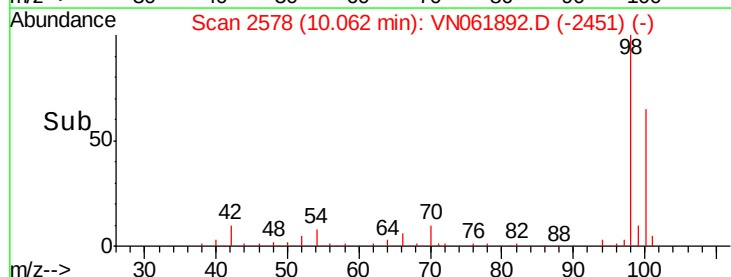
1000

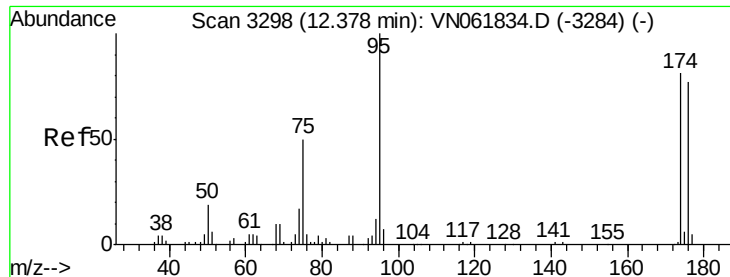
500

0

10.05 10.10

Time-->

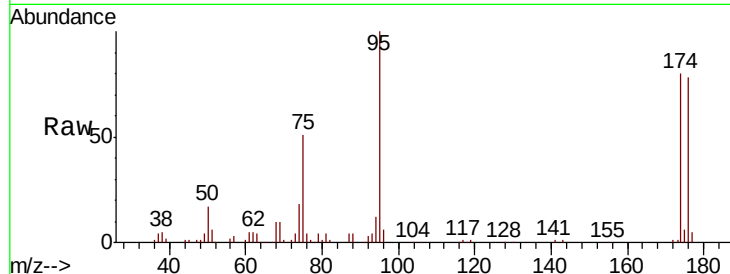




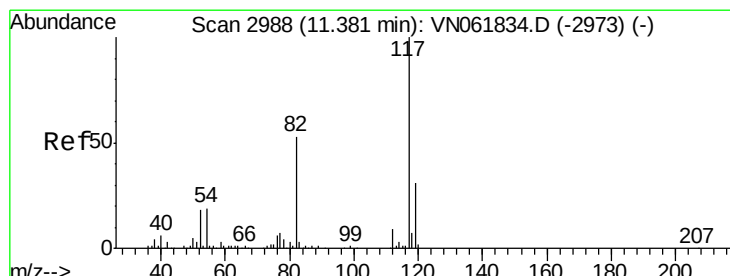
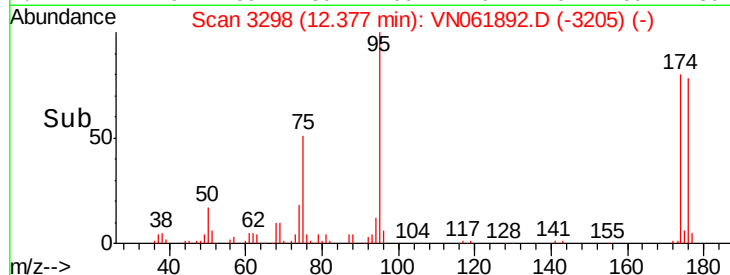
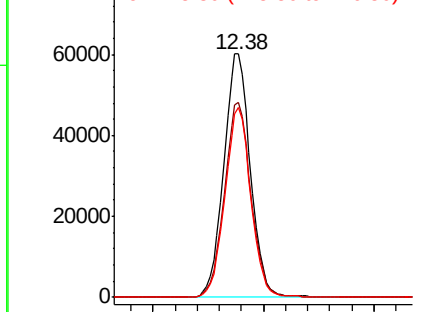
#62
 4-Bromofluorobenzene
 Concen: 50.185 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VN061892.D
 Acq: 18 Jun 2020 12:02

Instrument :
 MSVOA_N
 ClientSampleId :
 RE103D2-20200610DL

Tot Ion	95	Resp	100631
Ion Ratio	Lower	Upper	
95	100		
174	80.0	0.0	158.6
176	76.1	0.0	152.0

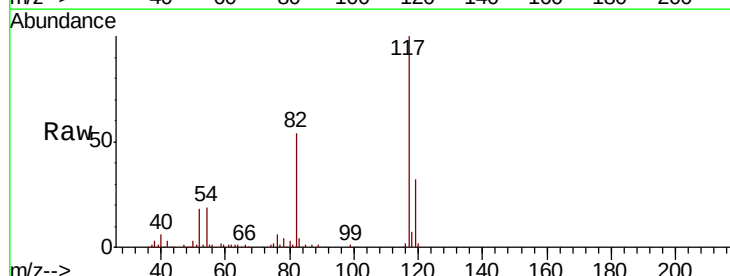


Abundance Ion 94.90 (94.60 to 95.60): VN061834.D (-3284) (-)

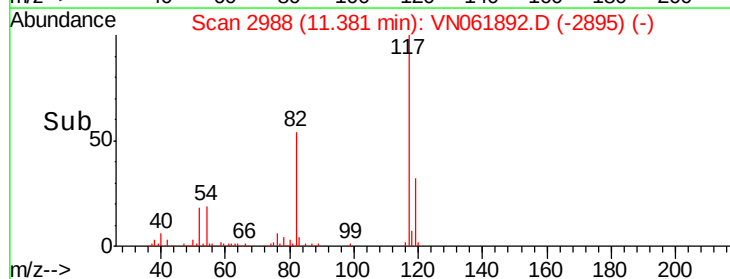
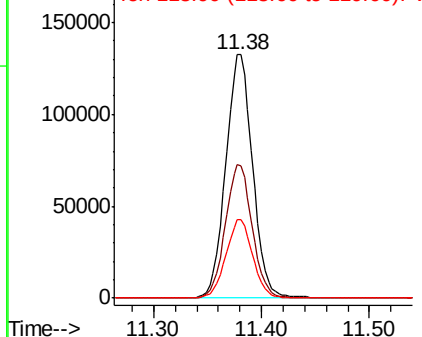


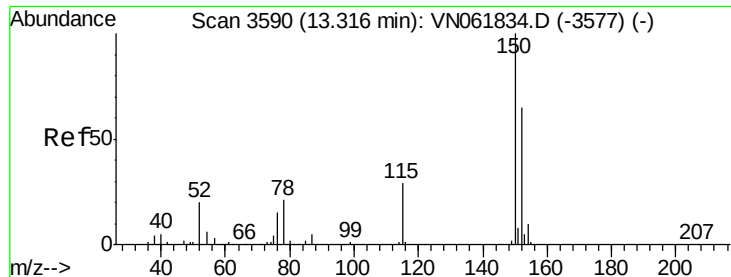
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.38 min Scan# 2988
 Delta R.T. -0.00 min
 Lab File: VN061892.D
 Acq: 18 Jun 2020 12:02

Tgt Ion	117	Resp	229797
Ion Ratio	Lower	Upper	
117	100		
82	54.5	42.6	64.0
119	32.2	24.7	37.1



Abundance Ion 116.90 (116.60 to 117.60): VN061834.D (-2973) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN061892.D

Acq: 18 Jun 2020 12:02

Instrument :

MSVOA_N

ClientSampleId :

RE103D2-20200610DL

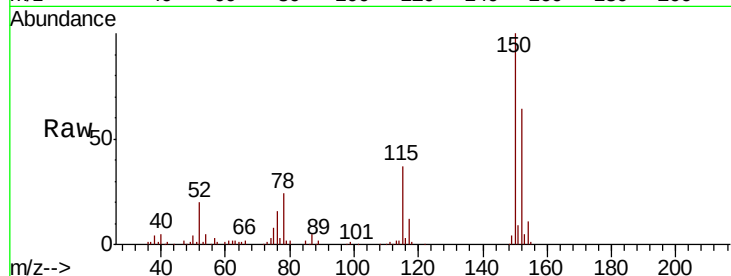
Tot Ion:152 Resp: 93898

Ion Ratio Lower Upper

152 100

115 58.6 29.1 87.3

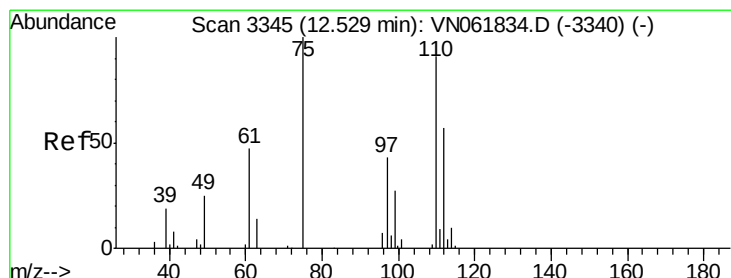
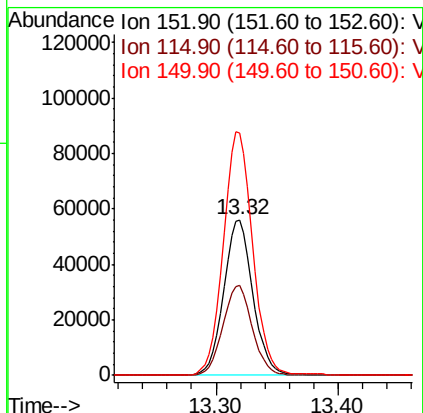
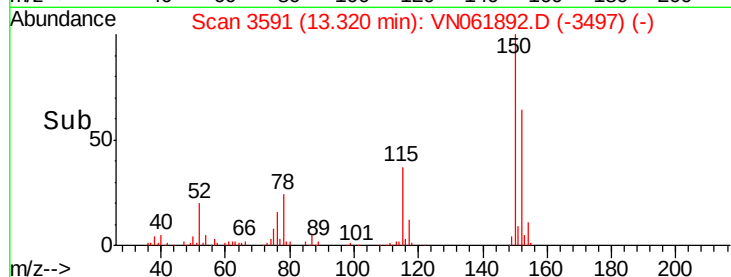
150 157.2 0.0 347.6



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: 27.746 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN061892.D

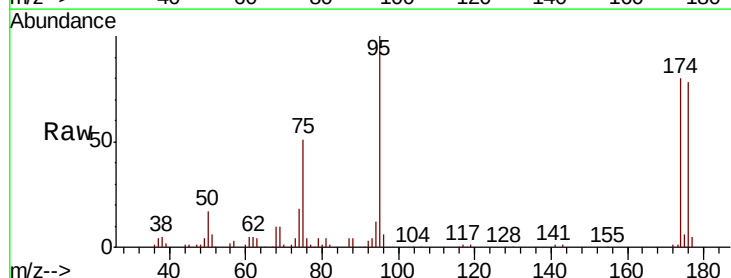
Acq: 18 Jun 2020 12:02

Tgt Ion: 75 Resp: 51148

Ion Ratio Lower Upper

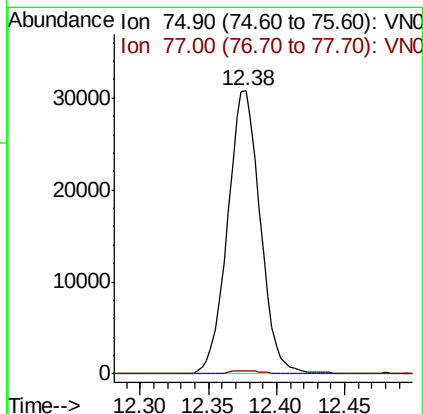
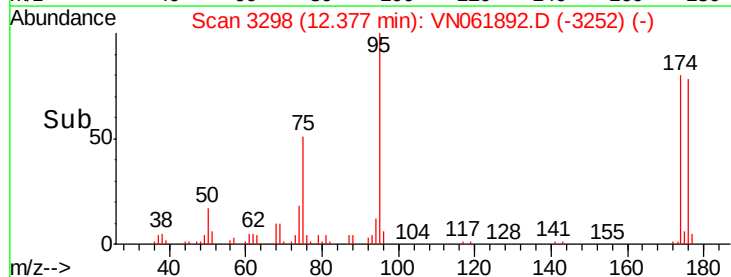
75 100

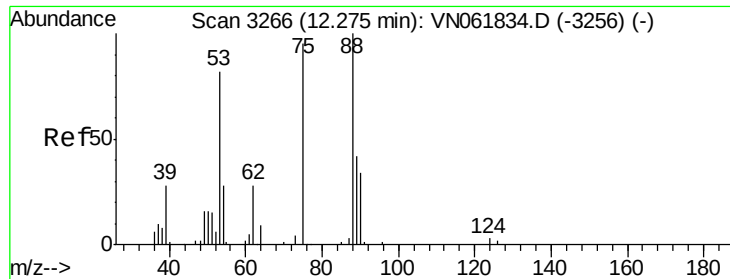
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 75.674 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN061892.D

Acq: 18 Jun 2020 12:02

Instrument :

MSVOA_N

ClientSampleId :

RE103D2-20200610DL

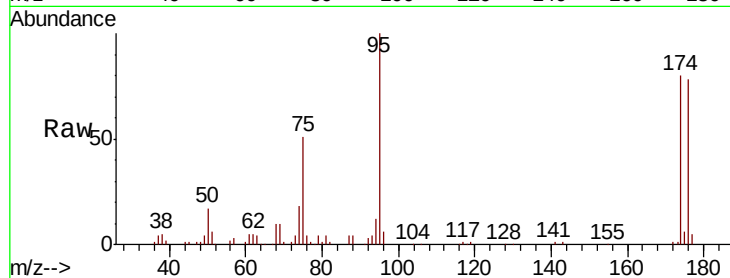
Tot Ion: 75 Resp: 51148

Ion Ratio Lower Upper

75 100

53 0.0 70.4 105.6#

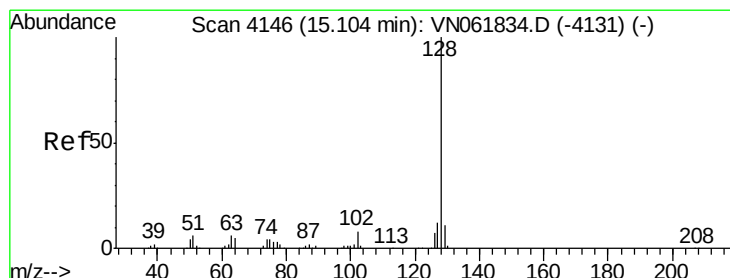
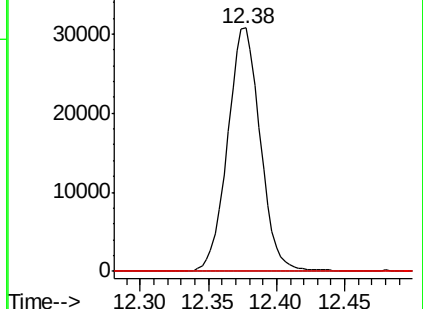
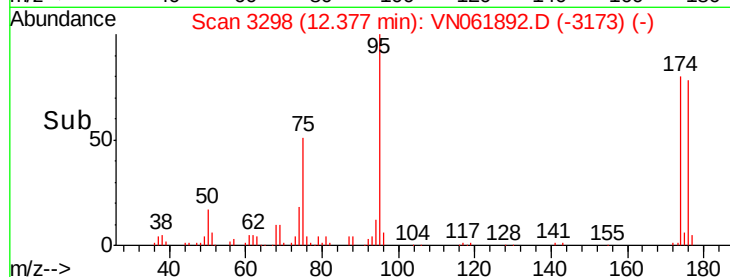
89 0.0 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VN061892.D (-3173) (-)

Ion 53.00 (52.70 to 53.70): VN061892.D (-3173) (-)

Ion 88.90 (88.60 to 89.60): VN061892.D (-3173) (-)



#95

Naphthalene

Concen: 3.537 ug/l

RT: 15.12 min Scan# 4150

Delta R.T. 0.01 min

Lab File: VN061892.D

Acq: 18 Jun 2020 12:02

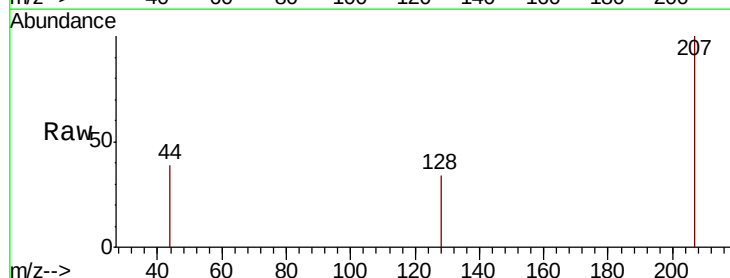
Tgt Ion: 128 Resp: 269

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): VN061892.D (-4053) (-)

Ion 127.00 (126.70 to 127.70): VN061892.D (-4053) (-)

Ion 129.00 (128.70 to 129.70): VN061892.D (-4053) (-)

