

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061820\
 Data File : VN061897.D
 Acq On : 18 Jun 2020 14:02
 Operator : JC/MD
 Sample : L3011-07DL 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE126D2-20200611DL

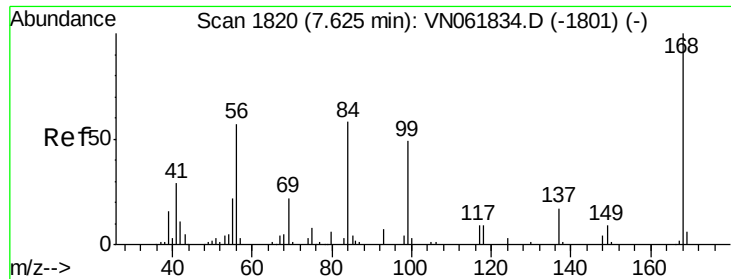
Quant Time: Jun 19 05:25:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 17 01:19:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	139795	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	254496	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	245371	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	95671	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	91436	48.77	ug/l	0.00
Spiked Amount			Recovery	=	97.54%	
35) Dibromofluoromethane	7.55	113	81248	49.90	ug/l	0.00
Spiked Amount			Recovery	=	99.80%	
50) Toluene-d8	10.06	98	315326	49.26	ug/l	0.00
Spiked Amount			Recovery	=	98.52%	
62) 4-Bromofluorobenzene	12.38	95	103453	47.12	ug/l	0.00
Spiked Amount			Recovery	=	94.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	874	1.578	ug/l #	83
18) Methyl Acetate	4.29	43	433	0.272	ug/l #	46
20) Methylene Chloride	4.50	84	889	0.493	ug/l #	64
31) Cyclohexane	7.63	56	2618	1.060	ug/l #	9
36) 1,1-Dichloropropene	7.63	75	10852	4.675	ug/l #	49
38) Carbon Tetrachloride	7.62	117	13323	5.796	ug/l #	18
39) Methylcyclohexane	8.80	83	979	0.392	ug/l #	1
44) Trichloroethene	8.80	130	85687	46.303	ug/l	97
51) 4-Methyl-2-Pentanone	10.06	43	1206	0.668	ug/l #	1
71) Bromoform	12.38	173	820	0.623	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	52073	27.724	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	52073	75.615	ug/l #	14
95) Naphthalene	15.11	128	411	3.563	ug/l #	69

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

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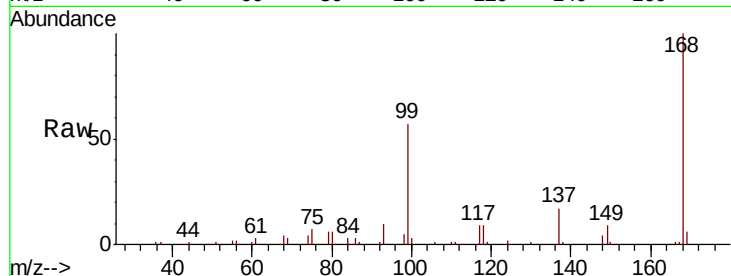
RE126D2-20200611DL

Tot Ion:168 Resp: 139795

Ion Ratio Lower Upper

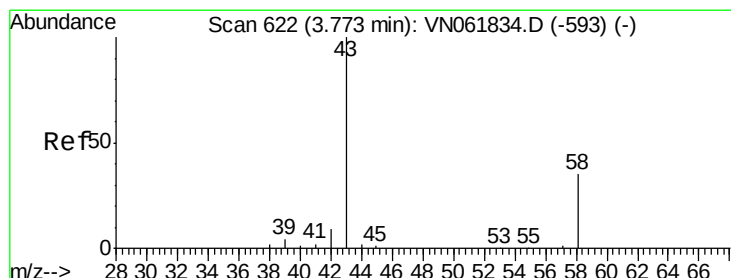
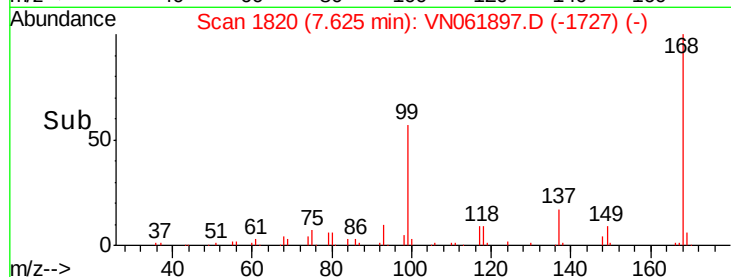
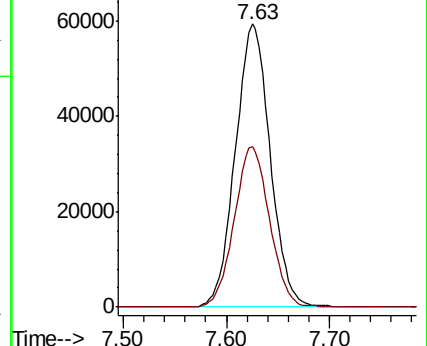
168 100

99 56.8 44.6 67.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#16

Acetone

Concen: 1.578 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.01 min

Lab File: VN061897.D

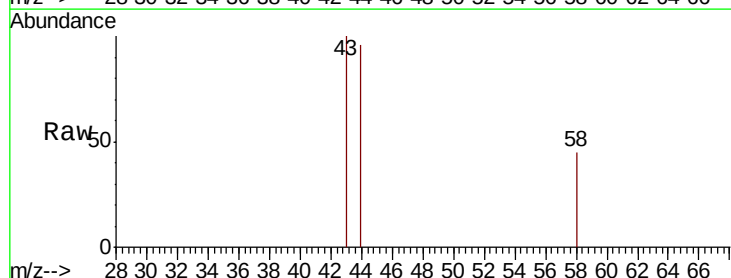
Acq: 18 Jun 2020 14:02

Tgt Ion: 43 Resp: 874

Ion Ratio Lower Upper

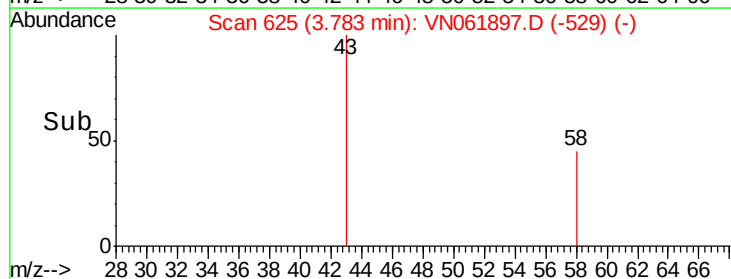
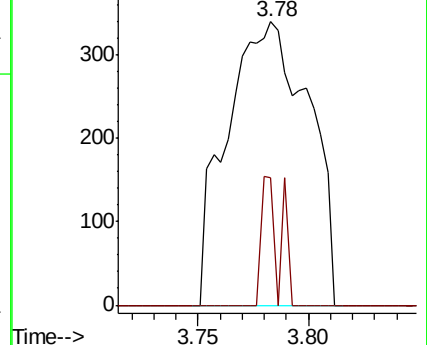
43 100

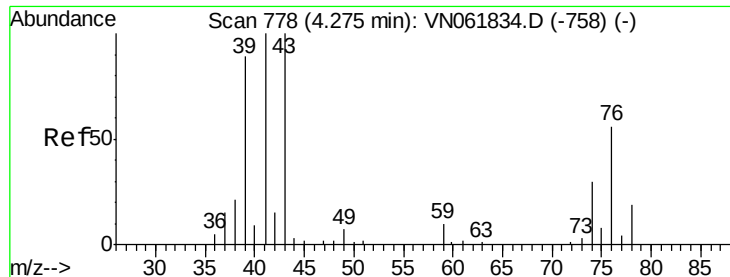
58 44.8 27.8 41.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

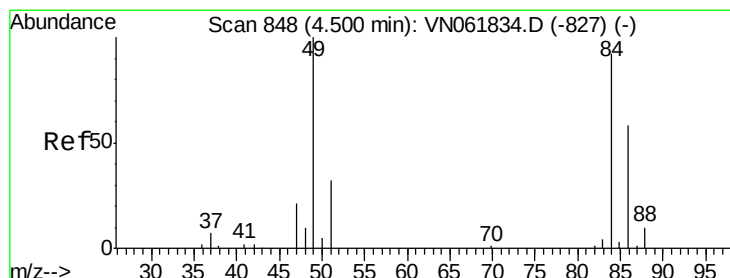
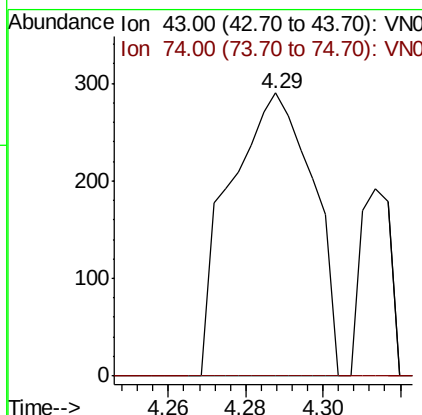
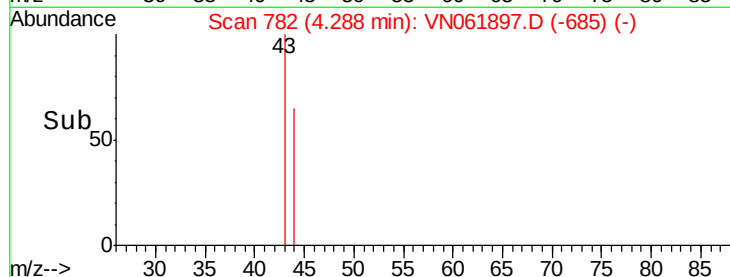
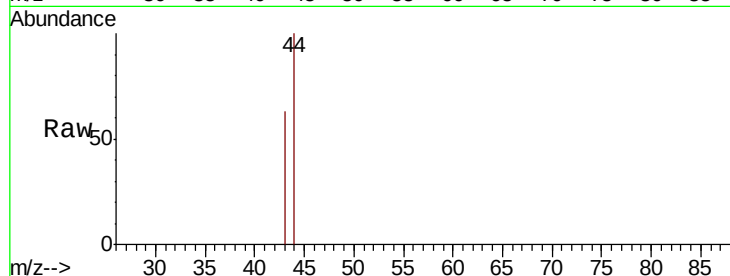




#18
Methvl Acetate
Concen: 0.272 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.01 min
Lab File: VN061897.D
Acq: 18 Jun 2020 14:02

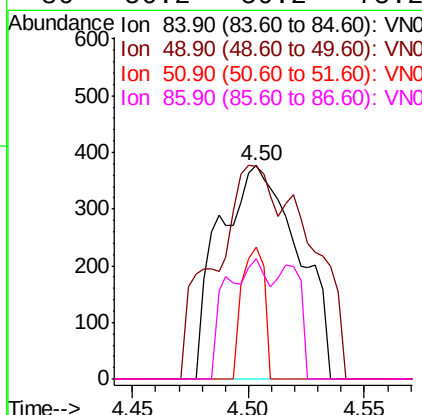
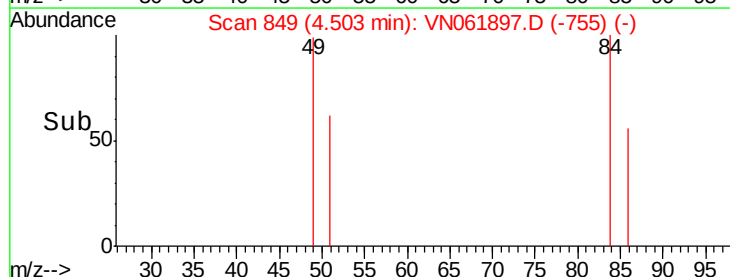
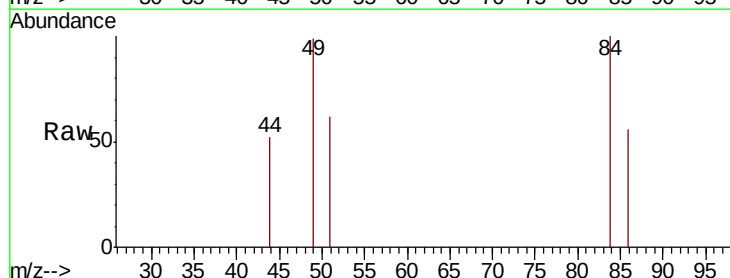
Instrument :
MSVOA_N
ClientSampleId :
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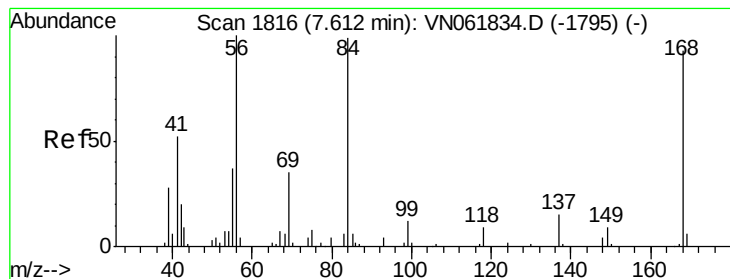
Tot Ion: 43 Resp: 433
Ion Ratio Lower Upper
43 100
74 0.0 23.0 34.4#



#20
Methylene Chloride
Concen: 0.493 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN061897.D
Acq: 18 Jun 2020 14:02

Tgt Ion: 84 Resp: 889
Ion Ratio Lower Upper
84 100
49 58.4 87.0 130.4#
51 61.5 27.8 41.6#
86 56.2 50.2 75.2





#31

Cyclohexane

Concen: 1.060 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.01 min

Lab File: VN061897.D

Acq: 18 Jun 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

RE126D2-20200611DL

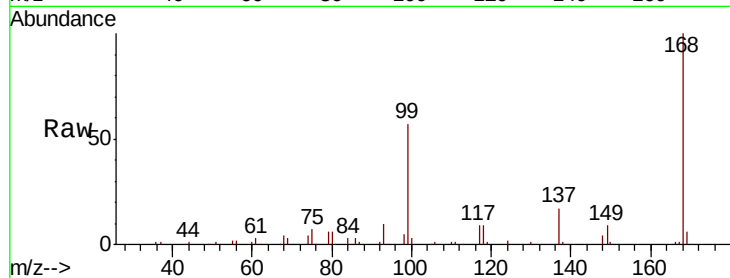
Tot Ion: 56 Resp: 2618

Ion Ratio Lower Upper

56 100

69 172.7 27.7 41.5#

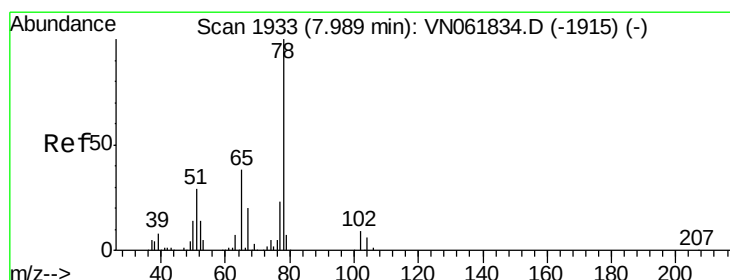
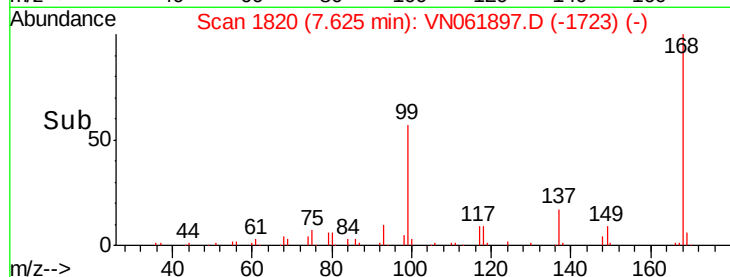
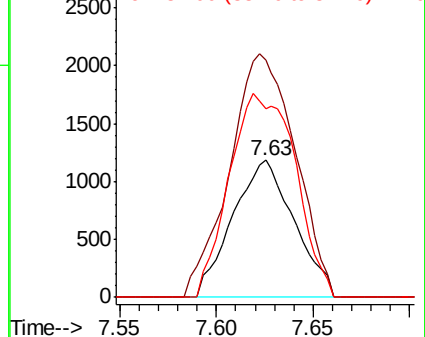
84 137.8 79.1 118.7#



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: 48.770 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN061897.D

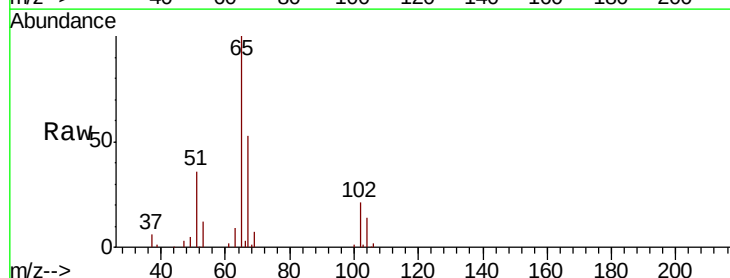
Acq: 18 Jun 2020 14:02

Tgt Ion: 65 Resp: 91436

Ion Ratio Lower Upper

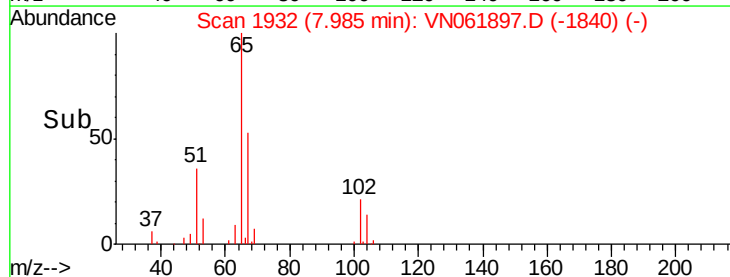
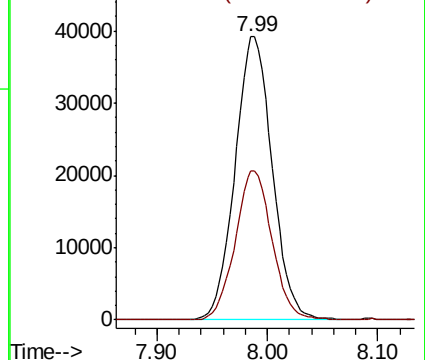
65 100

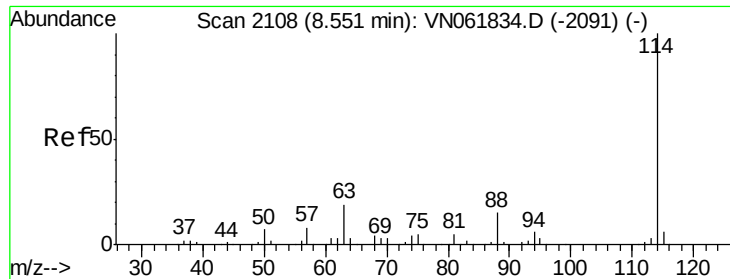
67 52.1 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

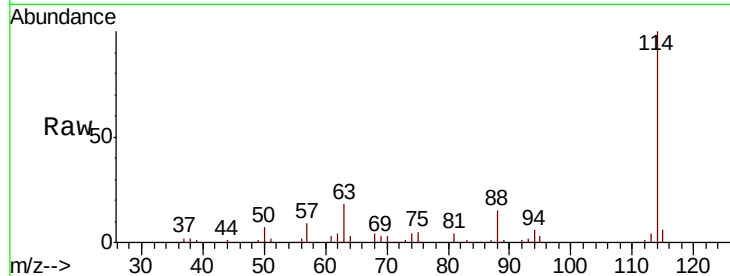




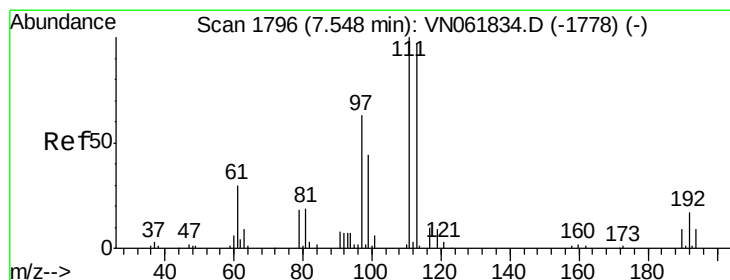
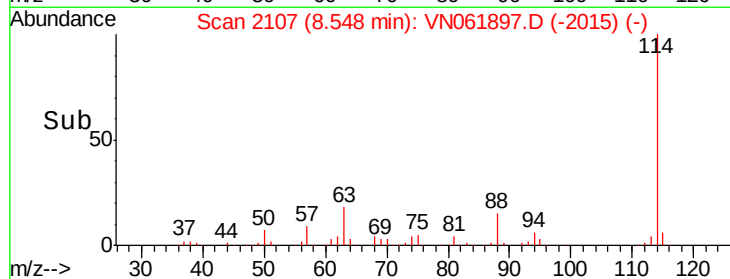
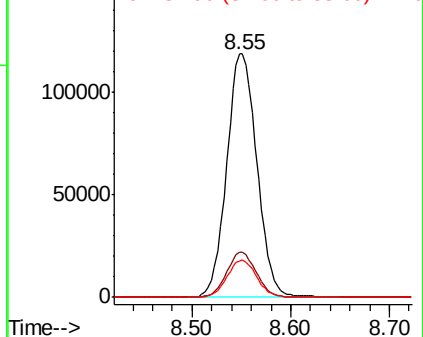
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2107
Delta R.T. -0.00 min
Lab File: VN061897.D
Acq: 18 Jun 2020 14:02

Instrument :
MSVOA_N
ClientSampleId :
RE126D2-20200611DL

Tot Ion:114 Resp: 254496
Ion Ratio Lower Upper
114 100
63 18.5 0.0 37.6
88 15.0 0.0 31.0

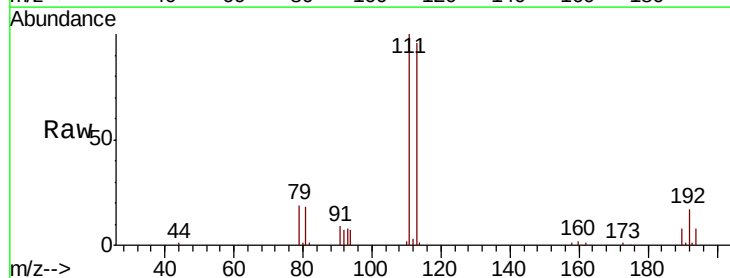


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

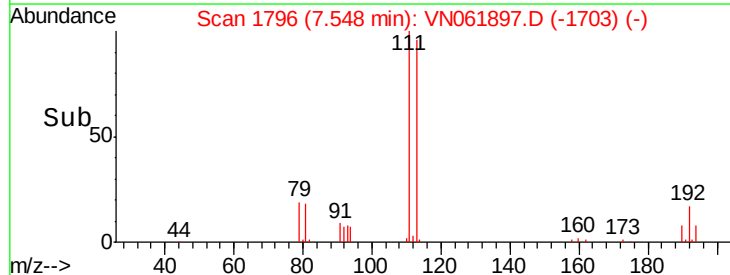
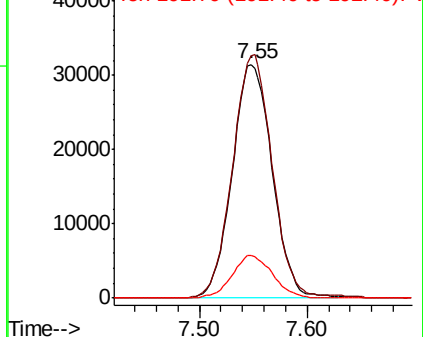


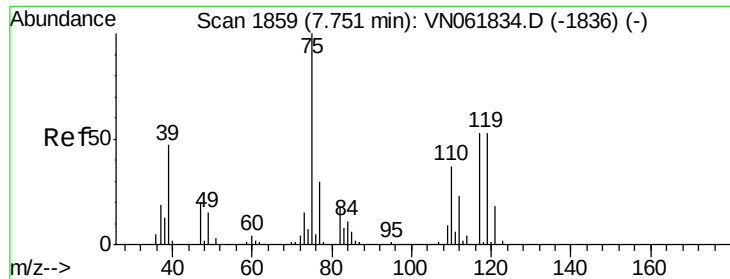
#35
Dibromofluoromethane
Concen: 49.903 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN061897.D
Acq: 18 Jun 2020 14:02

Tgt Ion:113 Resp: 81248
Ion Ratio Lower Upper
113 100
111 103.2 83.7 125.5
192 18.3 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: 4.675 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.13 min

Lab File: VN061897.D

Acq: 18 Jun 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

RE126D2-20200611DL

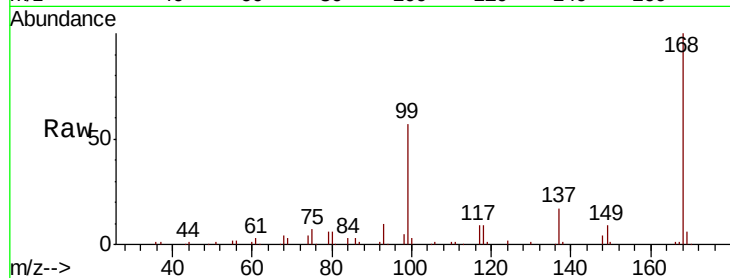
Tot Ion: 75 Resp: 10852

Ion Ratio Lower Upper

75 100

110 8.1 18.2 54.6#

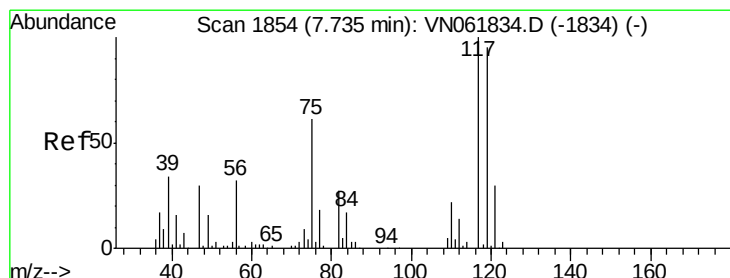
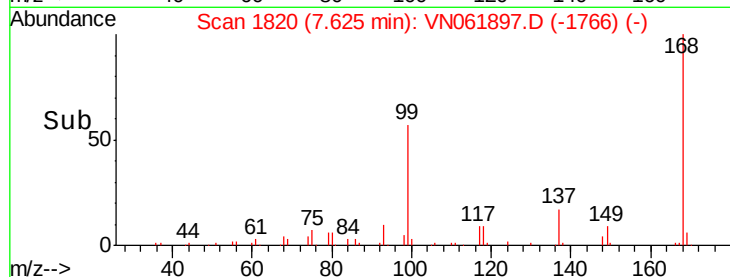
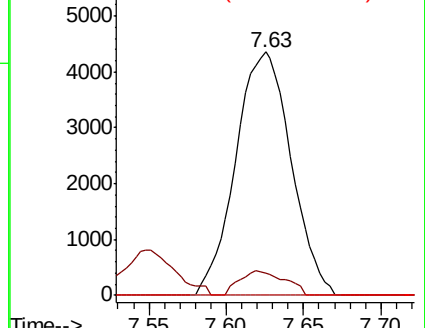
77 0.0 24.2 36.4#



Abundance Ion 74.90 (74.60 to 75.60): VN061897.D (-1766) (-)

Ion 109.90 (109.60 to 110.60): VN061897.D (-1766) (-)

Ion 76.90 (76.60 to 77.60): VN061897.D (-1766) (-)



#38

Carbon Tetrachloride

Concen: 5.796 ug/l

RT: 7.62 min Scan# 1818

Delta R.T. -0.12 min

Lab File: VN061897.D

Acq: 18 Jun 2020 14:02

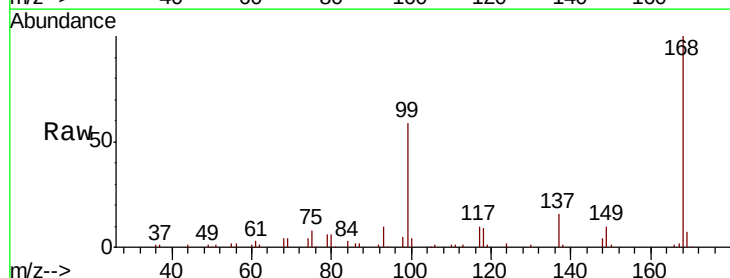
Tgt Ion: 117 Resp: 13323

Ion Ratio Lower Upper

117 100

119 6.5 75.8 113.6#

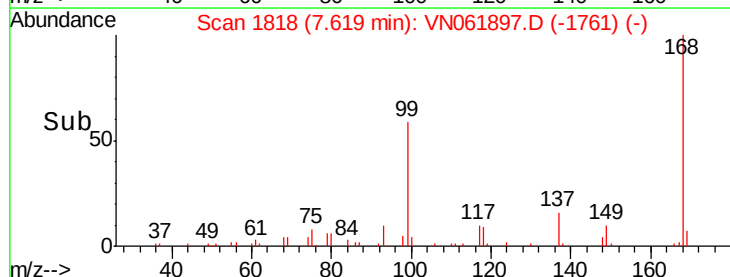
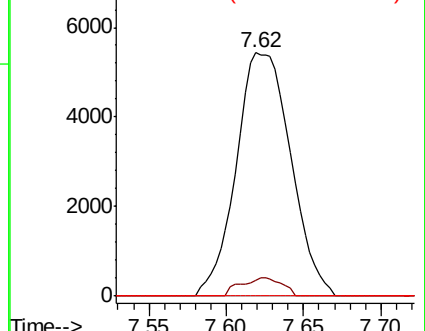
121 0.0 23.8 35.6#

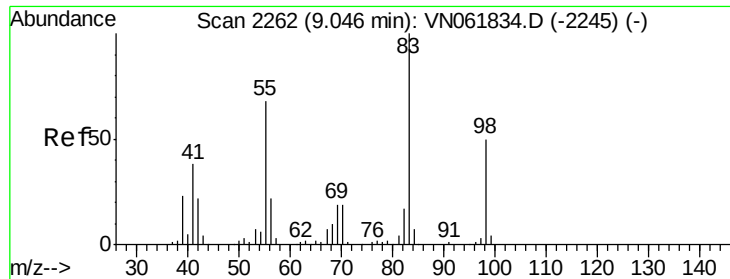


Abundance Ion 116.80 (116.50 to 117.50): VN061897.D (-1761) (-)

Ion 118.80 (118.50 to 119.50): VN061897.D (-1761) (-)

Ion 120.80 (120.50 to 121.50): VN061897.D (-1761) (-)

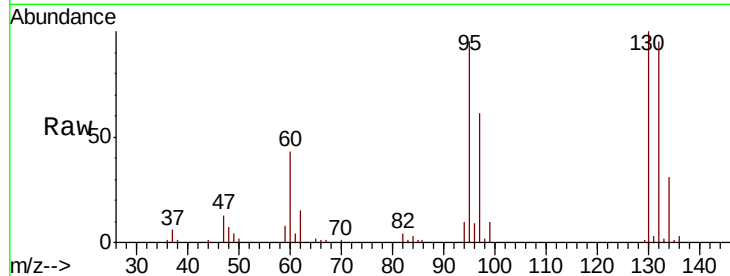




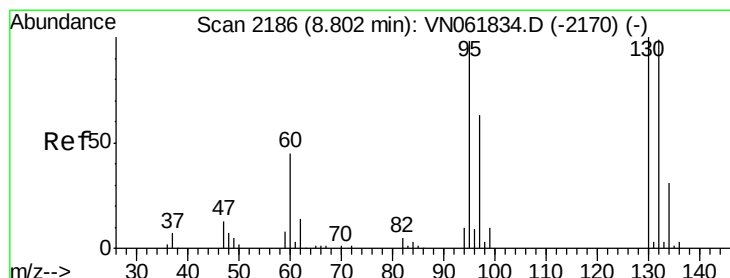
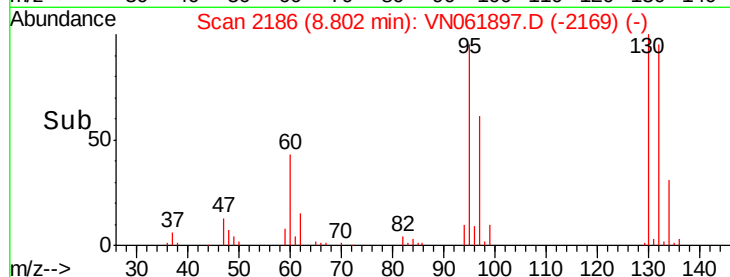
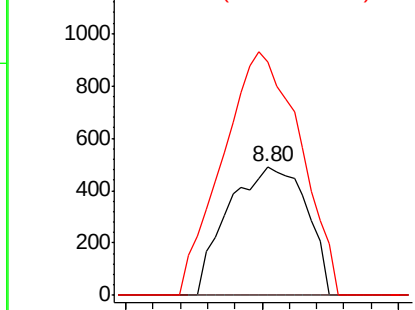
#39
Methvlcvclohexane
Concen: 0.392 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. -0.24 min
Lab File: VN061897.D
Acq: 18 Jun 2020 14:02

Instrument :
MSVOA_N
ClientSampleId :
RE126D2-20200611DL

Tot Ion: 83 Resp: 979
Ion Ratio Lower Upper
83 100
55 0.0 54.2 81.4#
98 181.3 39.8 59.6#

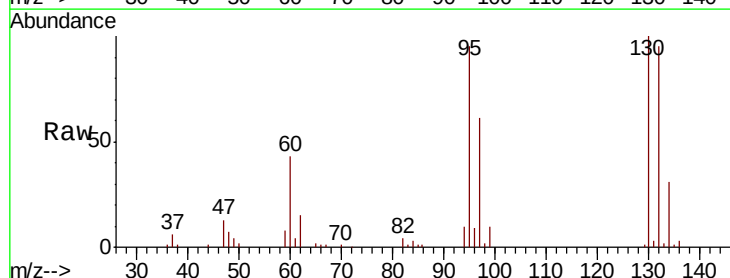


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

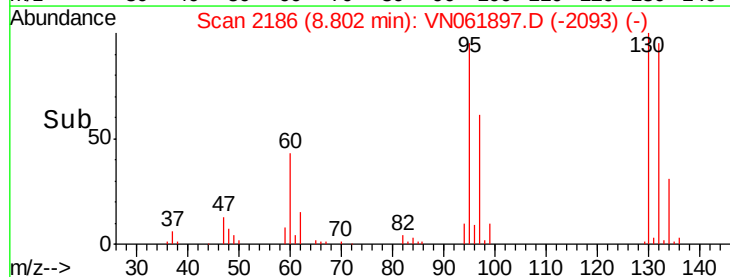
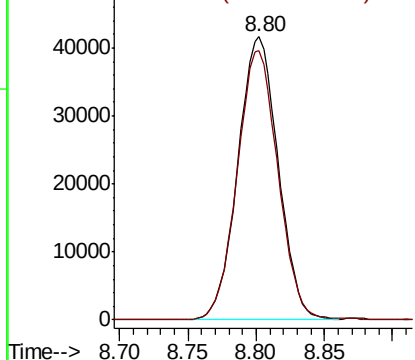


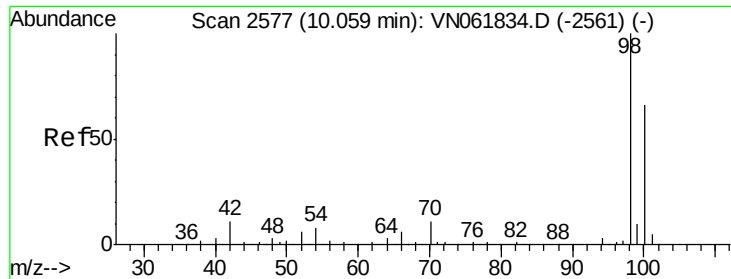
#44
Trichloroethene
Concen: 46.303 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. -0.00 min
Lab File: VN061897.D
Acq: 18 Jun 2020 14:02

Tgt Ion:130 Resp: 85687
Ion Ratio Lower Upper
130 100
95 95.2 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: 49.263 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN061897.D

Acq: 18 Jun 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

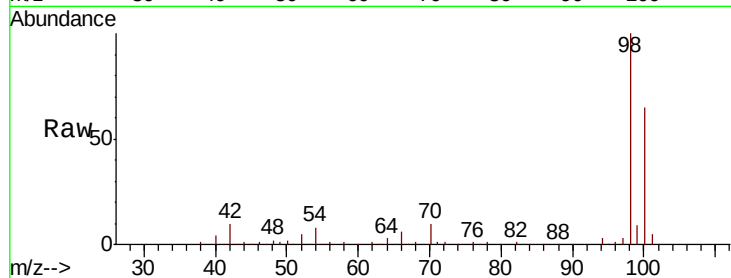
RE126D2-20200611DL

Tot Ion: 98 Resp: 315326

Ion Ratio Lower Upper

98 100

100 64.9 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) (-)

200000

150000

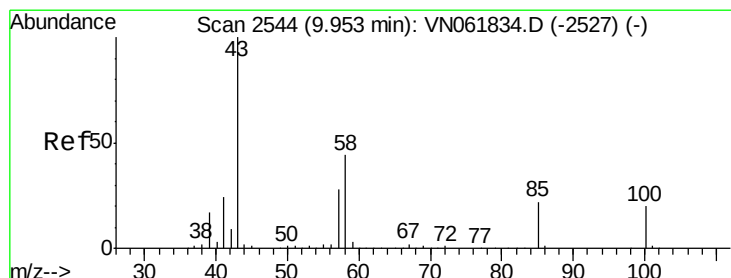
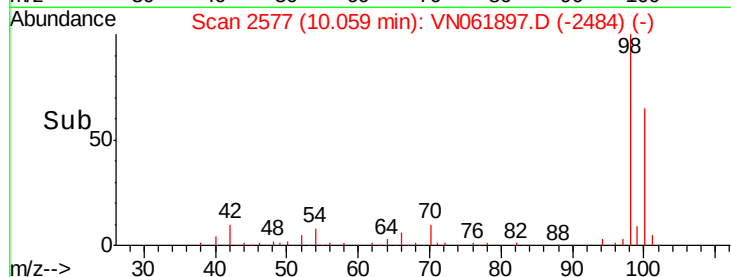
100000

50000

0

10.00 10.10

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.668 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.11 min

Lab File: VN061897.D

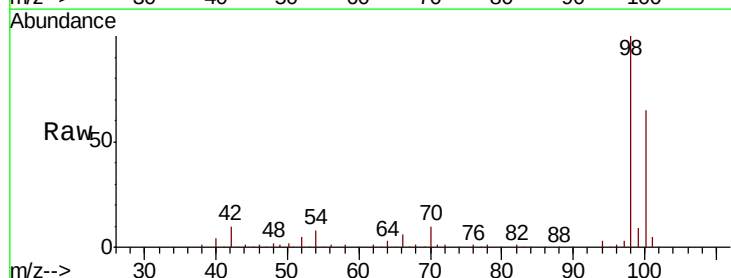
Acq: 18 Jun 2020 14:02

Tgt Ion: 43 Resp: 1206

Ion Ratio Lower Upper

43 100

58 183.6 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) (-)

1500

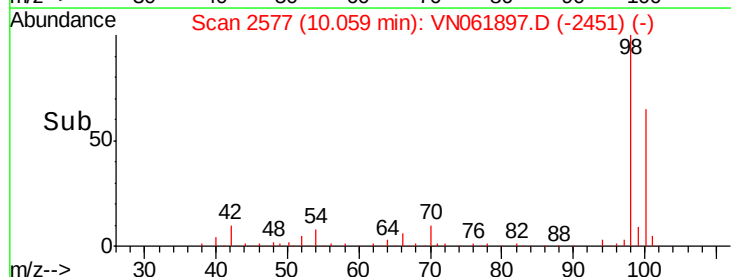
1000

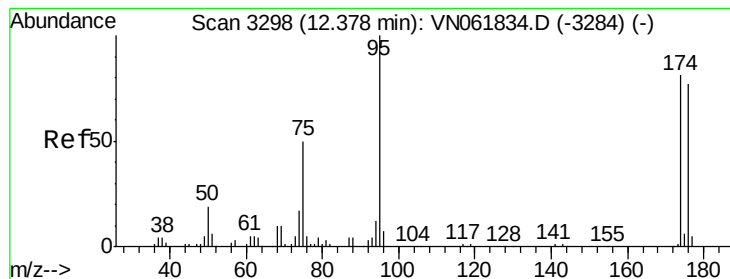
500

0

10.05 10.10

Time-->





#62

4-Bromofluorobenzene

Concen: 47.119 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN061897.D

Acq: 18 Jun 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

RE126D2-20200611DL

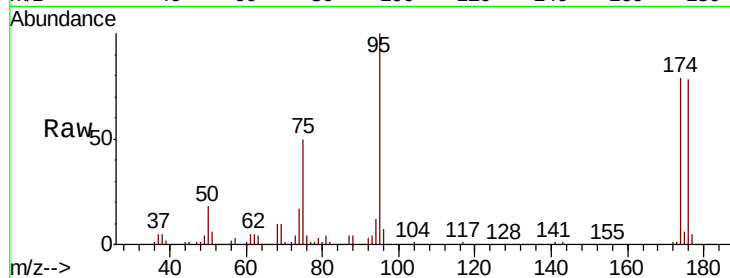
Tot Ion: 95 Resp: 103453

Ion Ratio Lower Upper

95 100

174 78.7 0.0 158.6

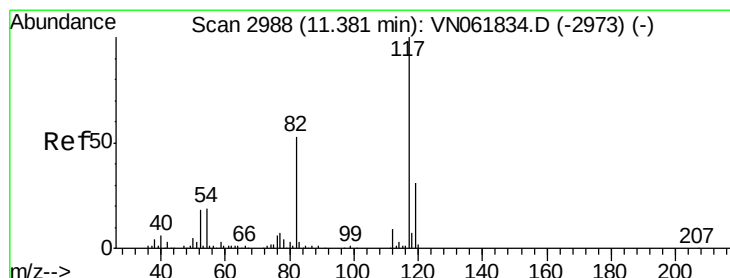
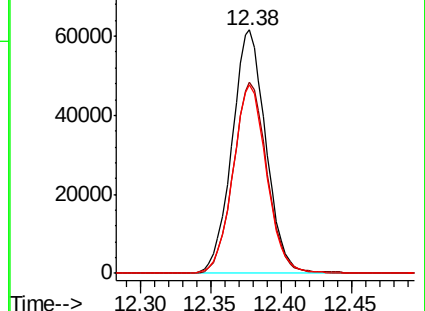
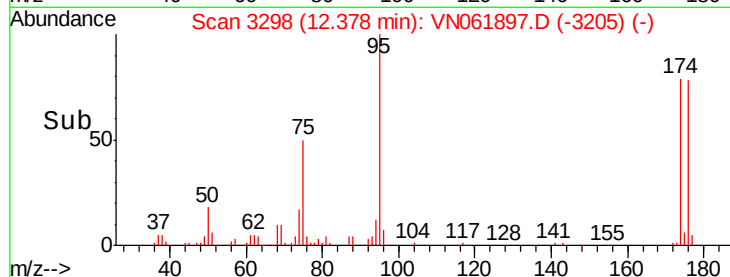
176 77.1 0.0 152.0



Abundance Ion 94.90 (94.60 to 95.60): VN061897.D (-3205) (-)

Ion 173.80 (173.50 to 174.50): VN061897.D (-3205) (-)

Ion 175.80 (175.50 to 176.50): VN061897.D (-3205) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN061897.D

Acq: 18 Jun 2020 14:02

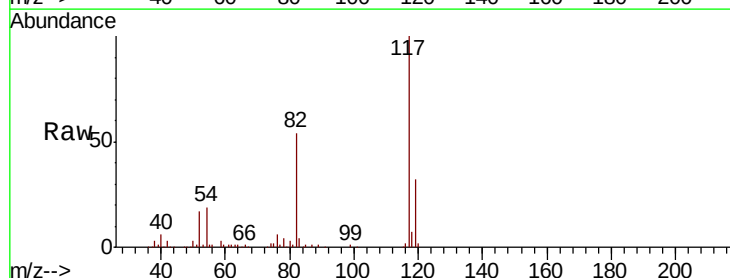
Tgt Ion: 117 Resp: 245371

Ion Ratio Lower Upper

117 100

82 53.8 42.6 64.0

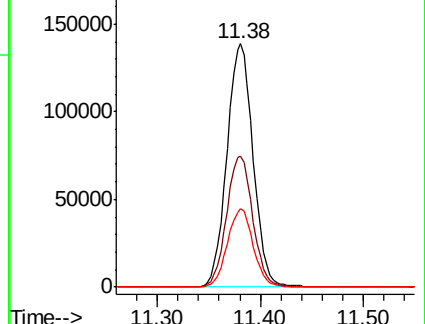
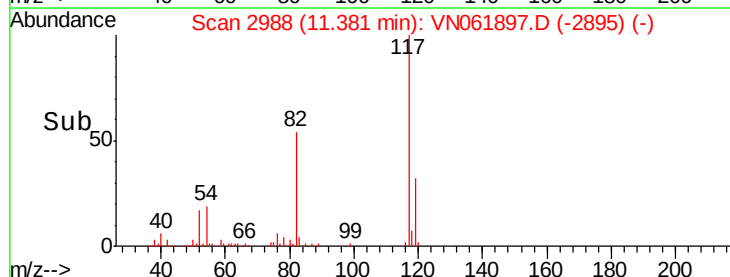
119 32.2 24.7 37.1

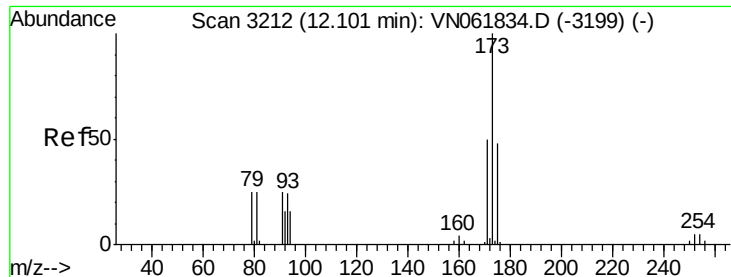


Abundance Ion 116.90 (116.60 to 117.60): VN061897.D (-2895) (-)

Ion 82.00 (81.70 to 82.70): VN061897.D (-2895) (-)

Ion 118.90 (118.60 to 119.60): VN061897.D (-2895) (-)





#71

Bromoform

Concen: 0.623 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.28 min

Lab File: VN061897.D

Acq: 18 Jun 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

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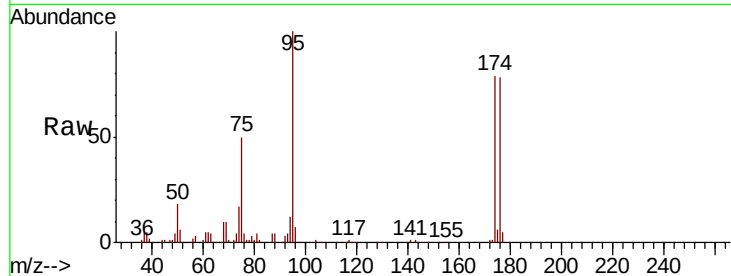
Tot Ion:173 Resp: 820

Ion Ratio Lower Upper

173 100

175 642.6 23.9 71.7#

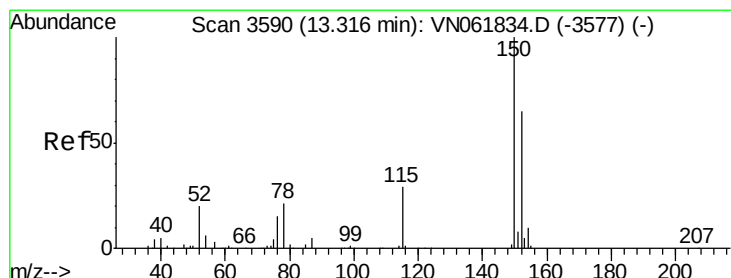
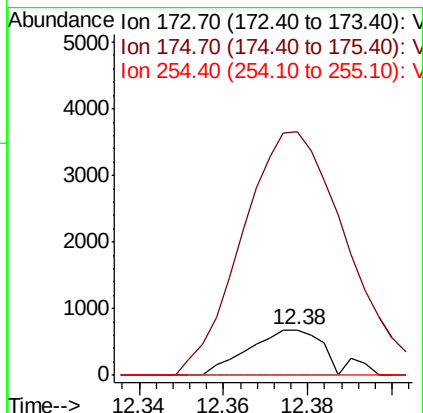
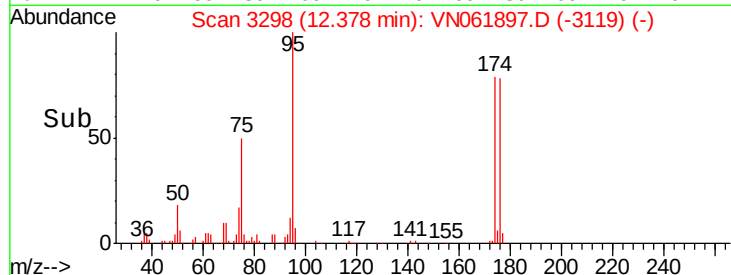
254 0.0 0.0 0.0



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: VN061897.D

Acq: 18 Jun 2020 14:02

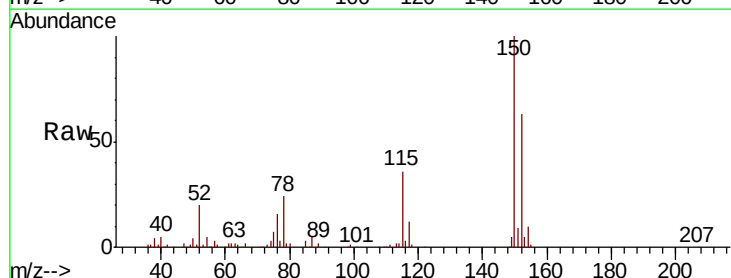
Tgt Ion:152 Resp: 95671

Ion Ratio Lower Upper

152 100

115 57.3 29.1 87.3

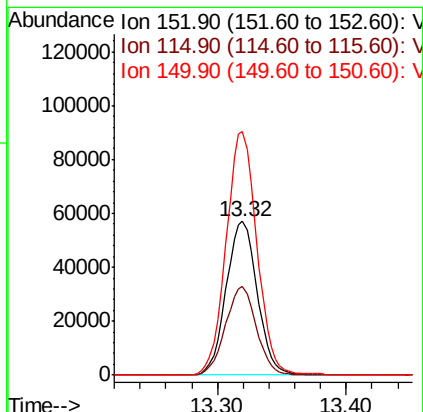
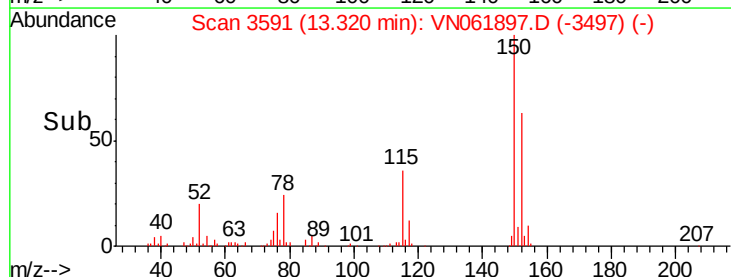
150 157.3 0.0 347.6

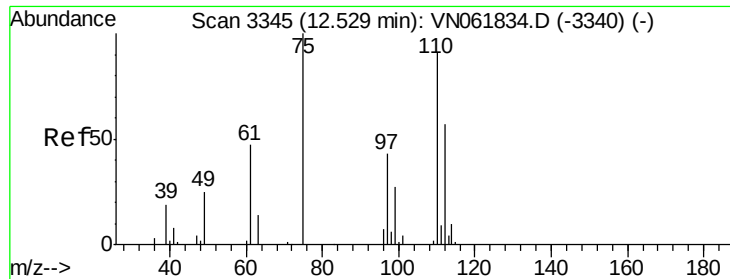


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

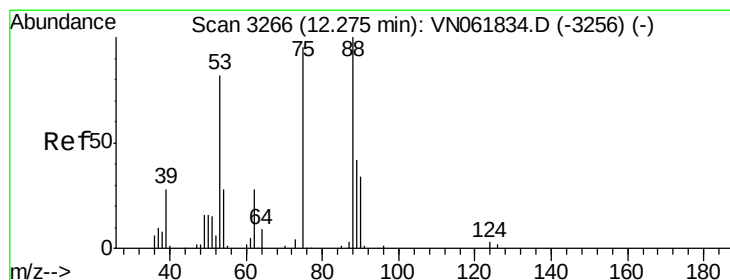
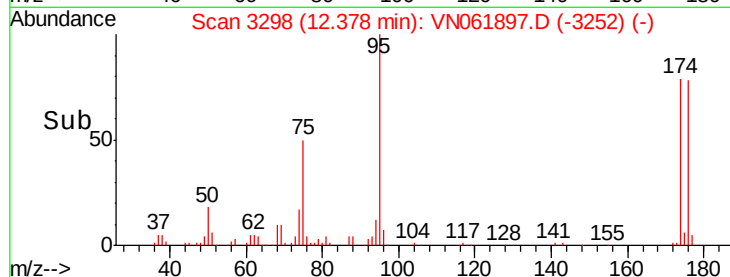
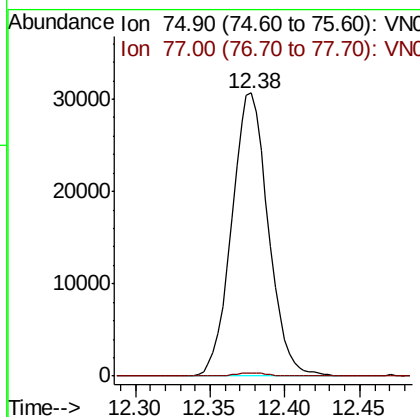
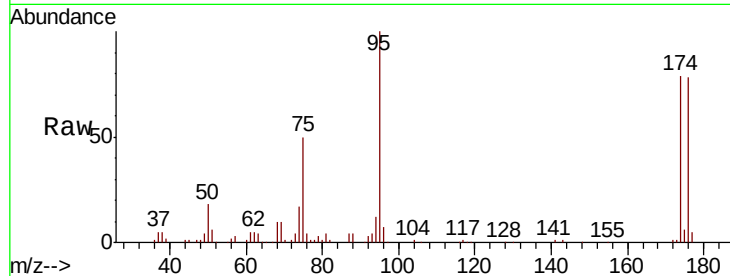




#76
 1,2,3-Trichloropropane
 Concen: 27.724 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.15 min
 Lab File: VN061897.D
 Acq: 18 Jun 2020 14:02

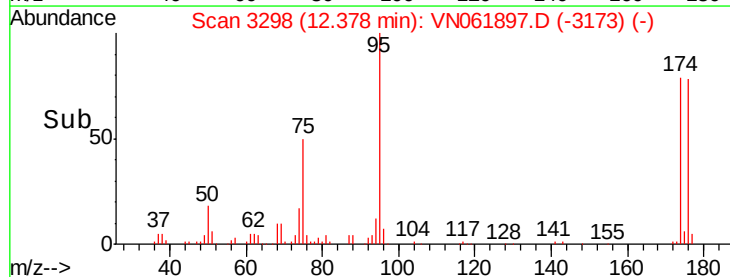
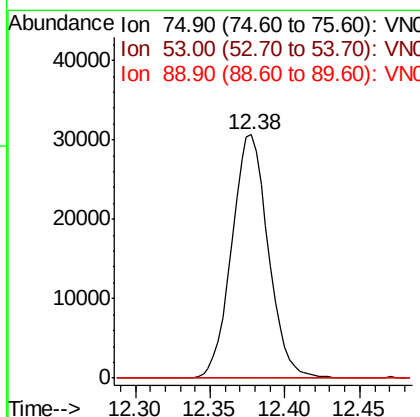
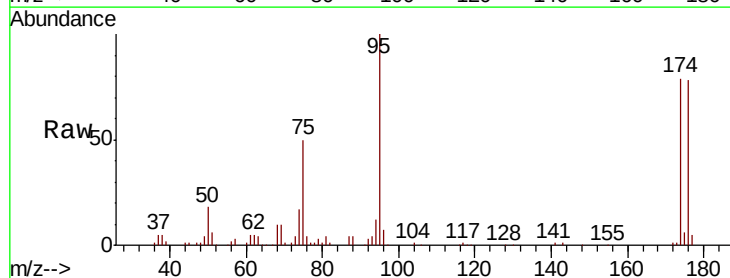
Instrument :
 MSVOA_N
 ClientSampleId :
 RE126D2-20200611DL

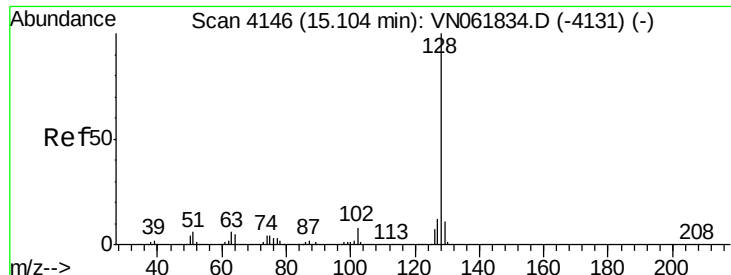
Tot Ion: 75 Resp: 52073
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 75.615 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.10 min
 Lab File: VN061897.D
 Acq: 18 Jun 2020 14:02

Tgt Ion: 75 Resp: 52073
 Ion Ratio Lower Upper
 75 100
 53 0.0 70.4 105.6#
 89 0.0 36.0 54.0#





#95

Naphthalene

Concen: 3.563 ug/l

RT: 15.11 min Scan# 4148

Delta R.T. 0.01 min

Lab File: VN061897.D

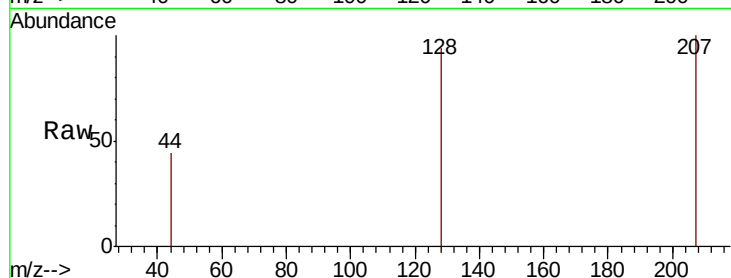
Acq: 18 Jun 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

RE126D2-20200611DL



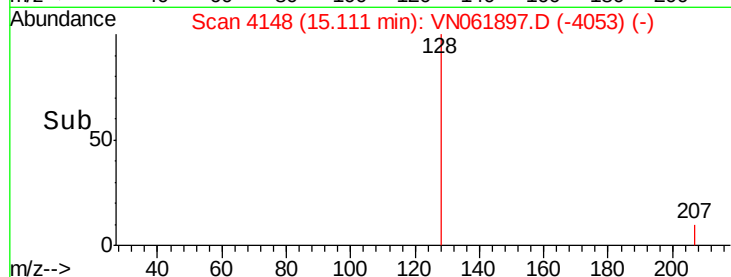
Tot Ion:128 Resp: 411

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

