

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061720\
 Data File : VN061871.D
 Acq On : 18 Jun 2020 1:04
 Operator : JC/MD
 Sample : L3011-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE109D2-20200611

Quant Time: Jun 18 04:00:27 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	136685	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	248588	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	241523	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	92816	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	89420	48.78	ug/l	0.00
Spiked Amount			Recovery	=	97.56%	
35) Dibromofluoromethane	7.55	113	79285	49.85	ug/l	0.00
Spiked Amount			Recovery	=	99.70%	
50) Toluene-d8	10.06	98	311812	49.87	ug/l	0.00
Spiked Amount			Recovery	=	99.74%	
62) 4-Bromofluorobenzene	12.38	95	101681	47.41	ug/l	0.00
Spiked Amount			Recovery	=	94.82%	

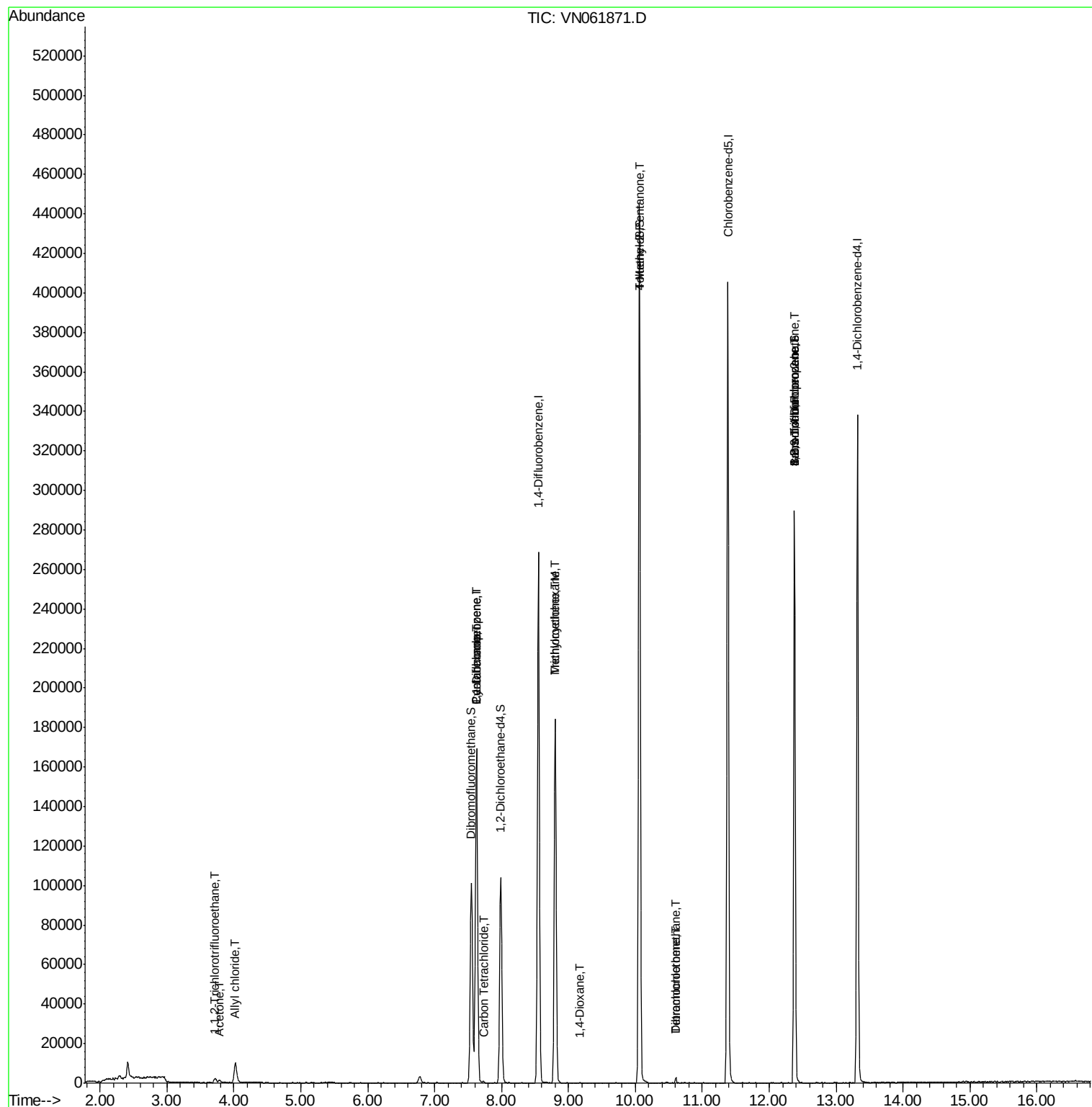
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	3.72	101	1664	1.201	ug/l #	74
14) Allyl chloride	4.02	41	1748	0.948	ug/l #	72
16) Acetone	3.79	43	2248	4.152	ug/l	91
31) Cyclohexane	7.63	56	2582	1.069	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	10950	4.829	ug/l #	48
38) Carbon Tetrachloride	7.73	117	576	0.257	ug/l #	71
39) Methylcyclohexane	8.80	83	800	0.328	ug/l #	1
44) Trichloroethene	8.80	130	71032	39.296	ug/l	99
49) 1,4-Dioxane	9.17	88	63	2.022	ug/l #	28
51) 4-Methyl-2-Pentanone	10.06	43	1005	0.570	ug/l #	1
60) Dibromochloromethane	10.60	129	636	0.336	ug/l #	11
64) Tetrachloroethene	10.61	164	562	0.365	ug/l	89
71) Bromoform	12.38	173	834	0.644	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	50404	27.661	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	50404	75.443	ug/l #	14

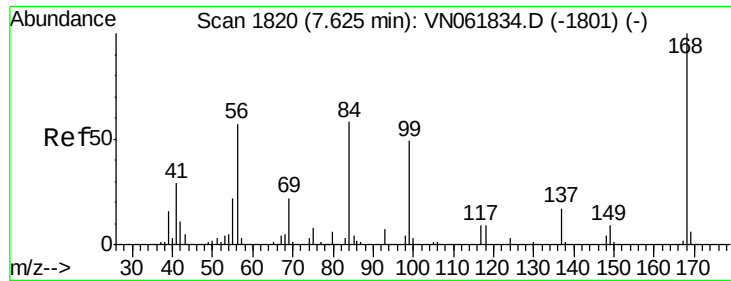
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN061871.D

Acq: 18 Jun 2020 1:04

Instrument :

MSVOA_N

ClientSampleId :

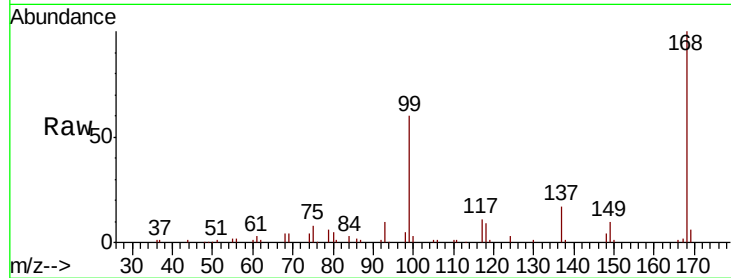
RE109D2-20200611

Tot Ion:168 Resp: 136685

Ion Ratio Lower Upper

168 100

99 60.1 44.6 67.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

60000

50000

40000

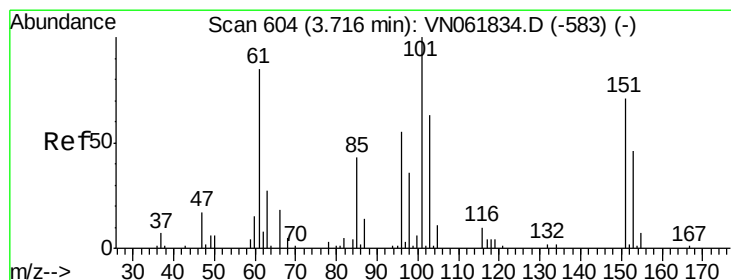
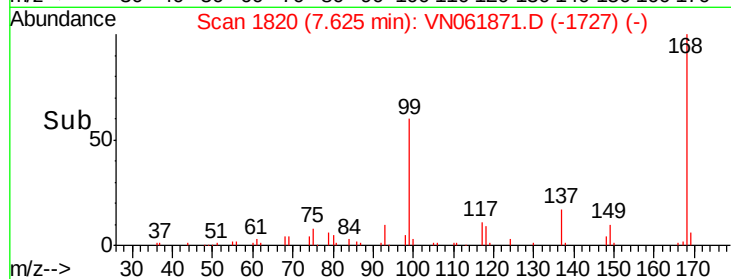
30000

20000

10000

0

Time--> 7.50 7.60 7.70



#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.201 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN061871.D

Acq: 18 Jun 2020 1:04

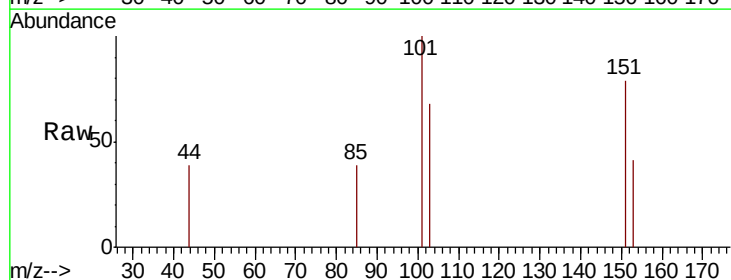
Tgt Ion:101 Resp: 1664

Ion Ratio Lower Upper

101 100

85 34.1 35.0 52.6#

151 46.1 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

800

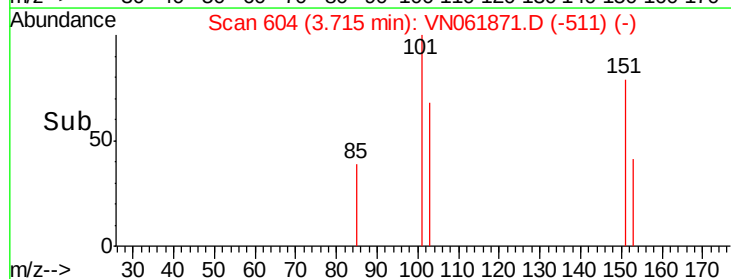
600

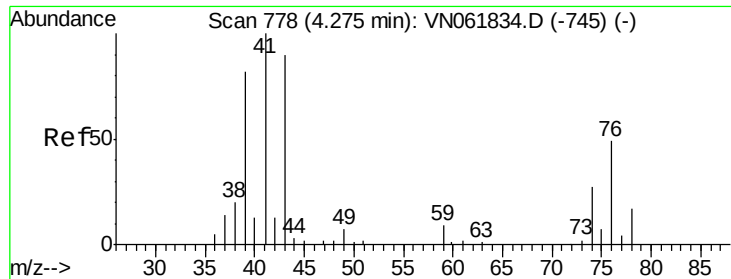
400

200

0

Time--> 3.65 3.70 3.75

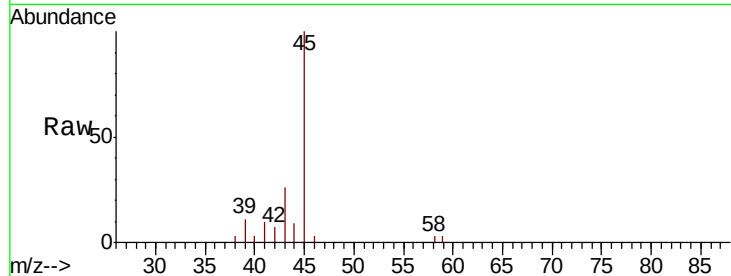




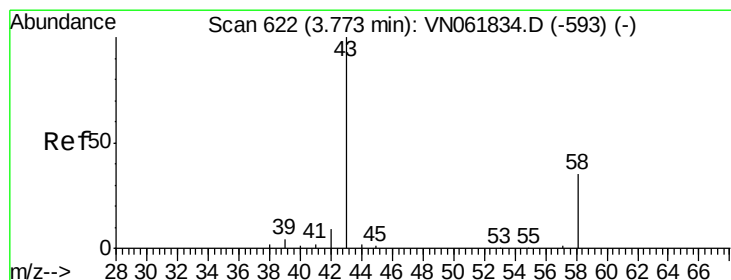
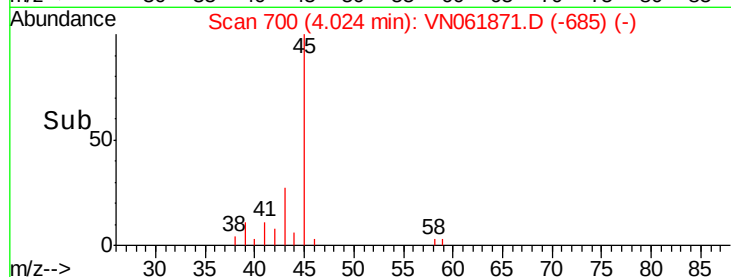
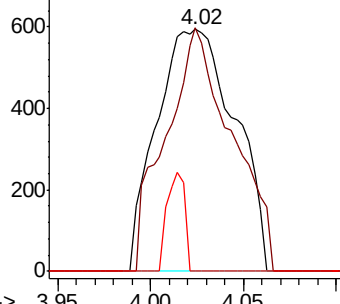
#14
Allvl chloride
Concen: 0.948 ug/l
RT: 4.02 min Scan# 700
Delta R.T. -0.25 min
Lab File: VN061871.D
Acq: 18 Jun 2020 1:04

Instrument :
MSVOA_N
ClientSampleId :
RE109D2-20200611

Tot Ion: 41 Resp: 1748
Ion Ratio Lower Upper
41 100
39 85.0 60.2 90.2
76 9.1 36.3 54.5#

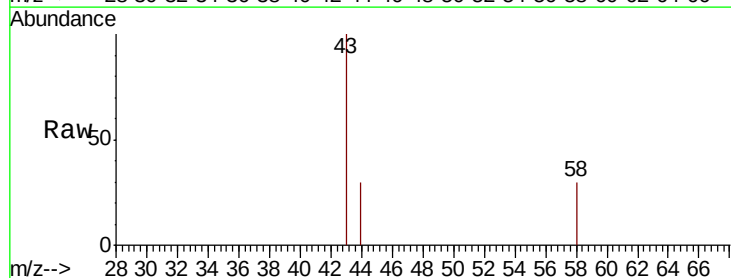


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 75.90 (75.60 to 76.60): VN0

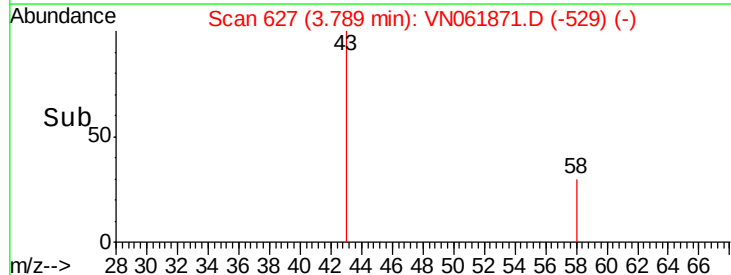
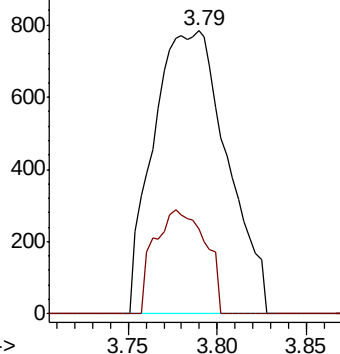


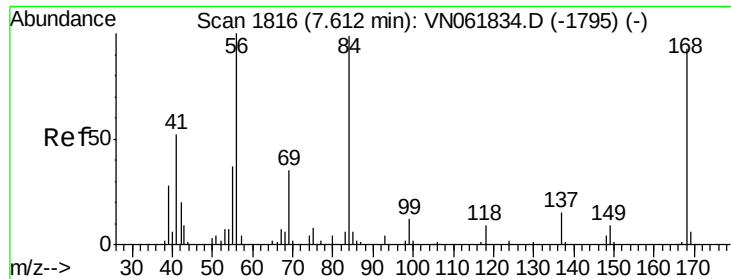
#16
Acetone
Concen: 4.152 ug/l
RT: 3.79 min Scan# 627
Delta R.T. 0.02 min
Lab File: VN061871.D
Acq: 18 Jun 2020 1:04

Tgt Ion: 43 Resp: 2248
Ion Ratio Lower Upper
43 100
58 29.8 27.8 41.8



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

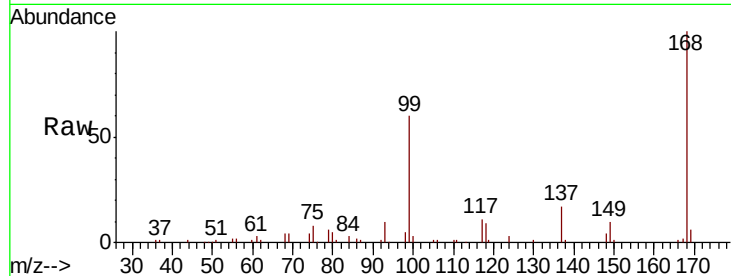




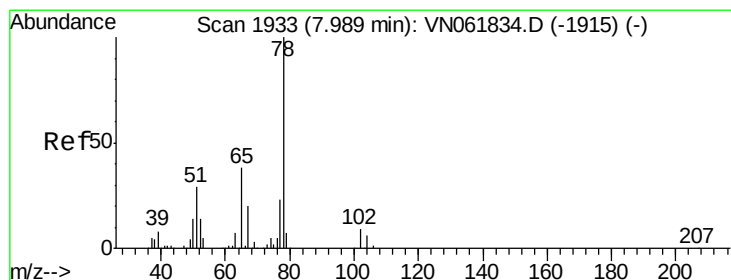
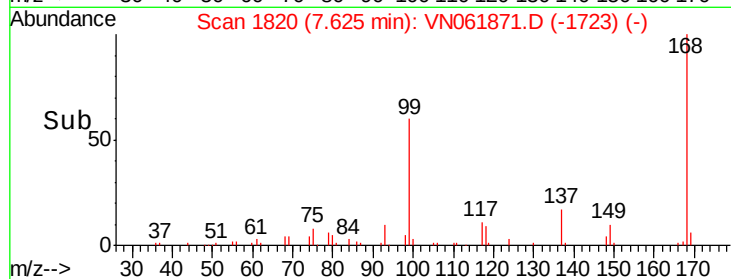
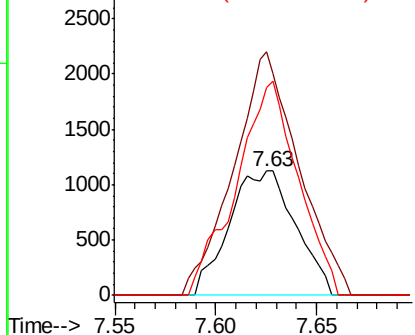
#31
Cyclohexane
Concen: 1.069 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. 0.01 min
Lab File: VN061871.D
Acq: 18 Jun 2020 1:04

Instrument :
MSVOA_N
ClientSampleId :
RE109D2-20200611

Tot Ion: 56 Resp: 2582
Ion Ratio Lower Upper
56 100
69 182.2 27.7 41.5#
84 166.8 79.1 118.7#

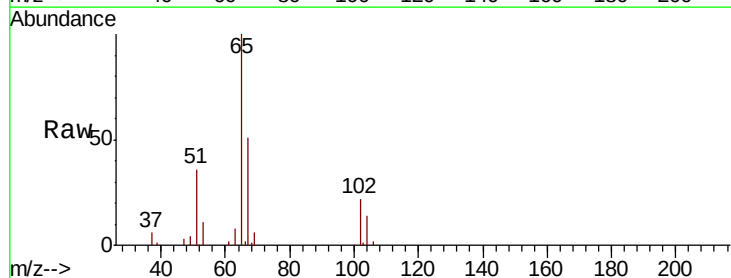


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

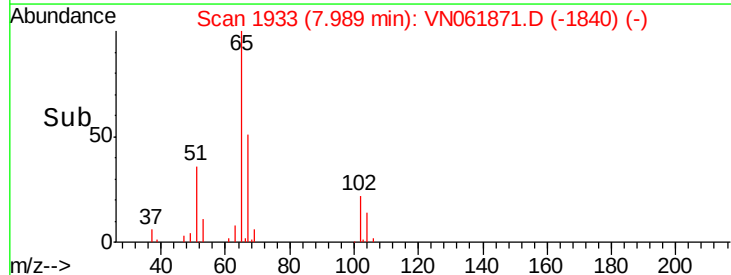
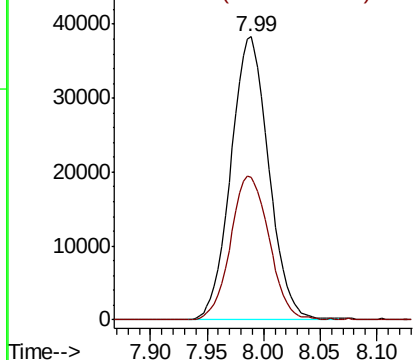


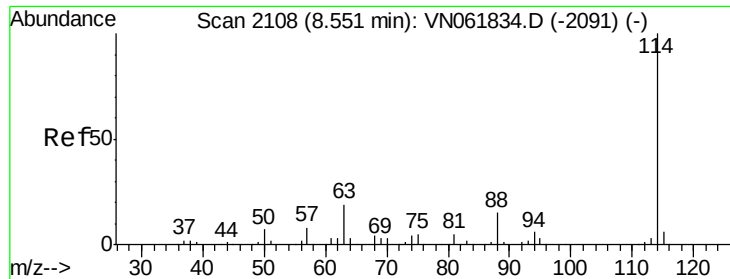
#33
1,2-Dichloroethane-d4
Concen: 48.780 ug/l
RT: 7.99 min Scan# 1933
Delta R.T. -0.00 min
Lab File: VN061871.D
Acq: 18 Jun 2020 1:04

Tgt Ion: 65 Resp: 89420
Ion Ratio Lower Upper
65 100
67 51.5 0.0 106.2



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

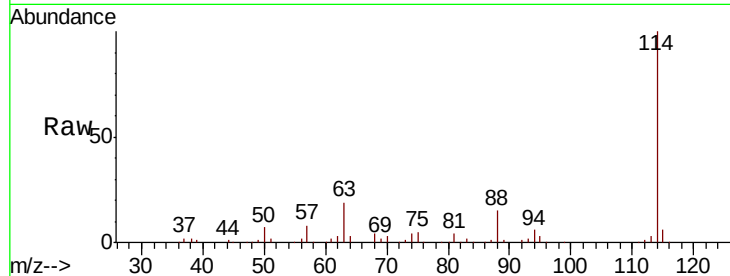




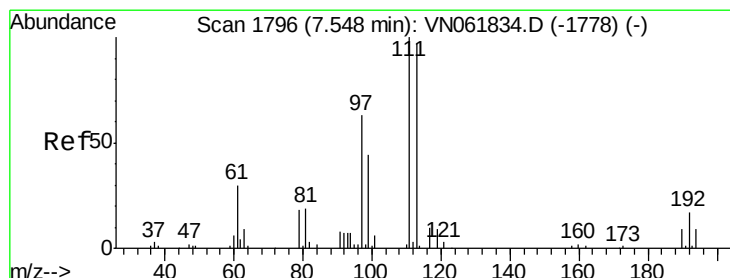
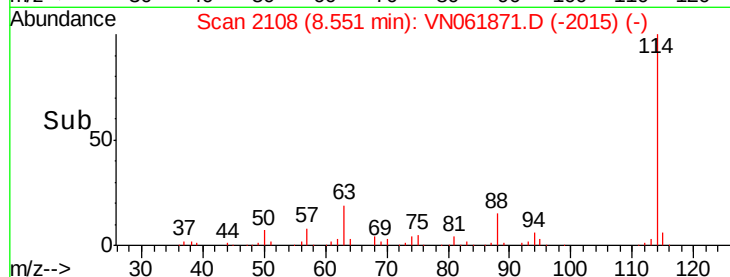
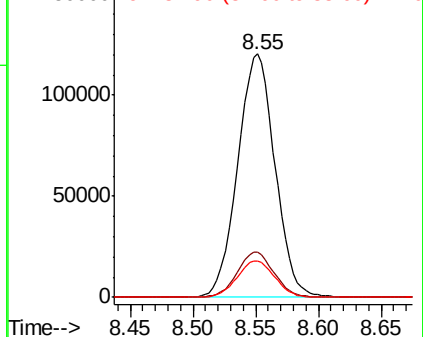
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN061871.D
 Acq: 18 Jun 2020 1:04

Instrument :
 MSVOA_N
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 RE109D2-20200611

Tot Ion:114 Resp: 248588
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 37.6
 88 15.1 0.0 31.0

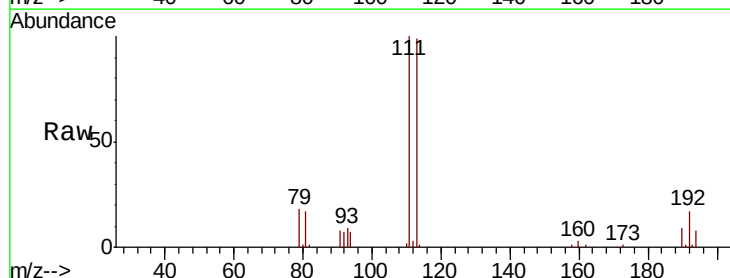


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

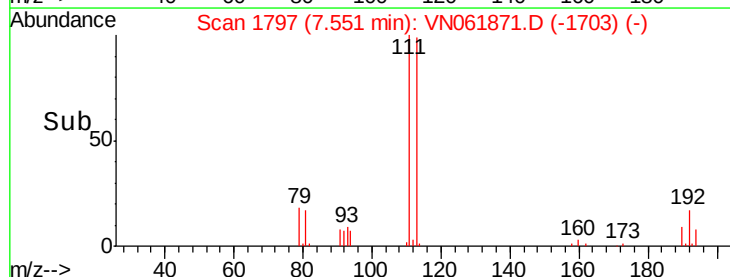
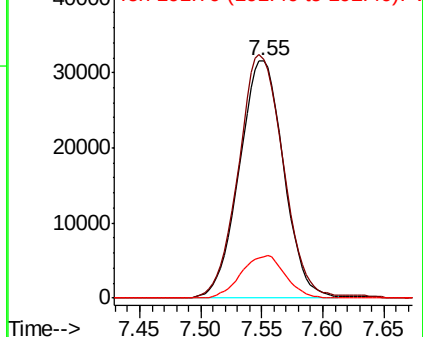


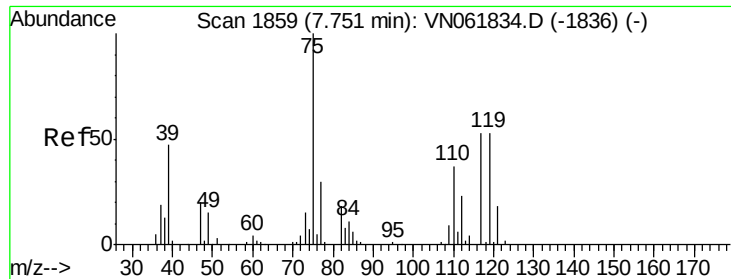
#35
 Dibromofluoromethane
 Concen: 49.854 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN061871.D
 Acq: 18 Jun 2020 1:04

Tgt Ion:113 Resp: 79285
 Ion Ratio Lower Upper
 113 100
 111 104.5 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

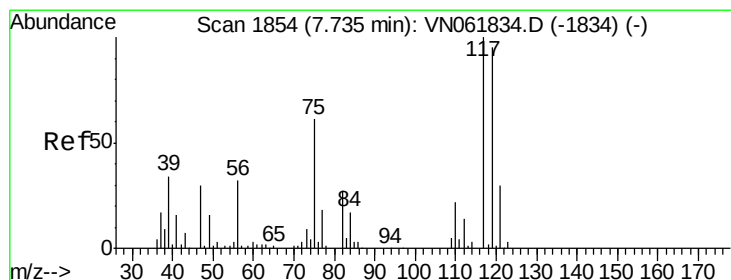
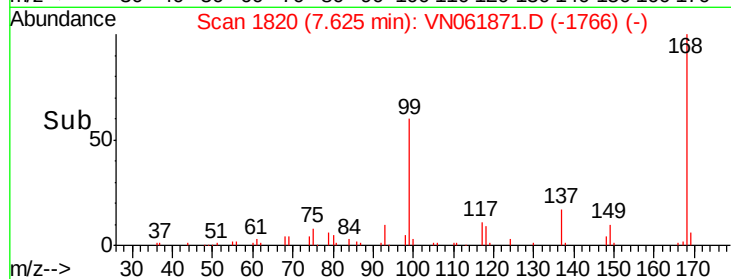
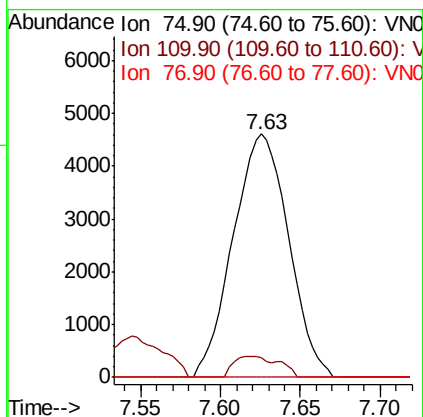
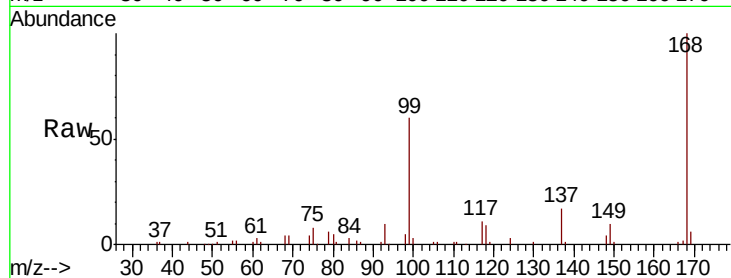




#36
 1,1-Dichloropropene
 Concen: 4.829 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN061871.D
 Acq: 18 Jun 2020 1:04

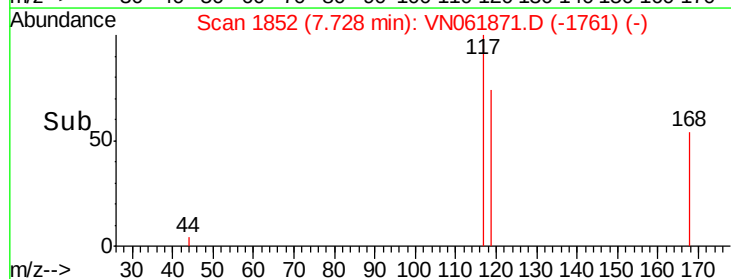
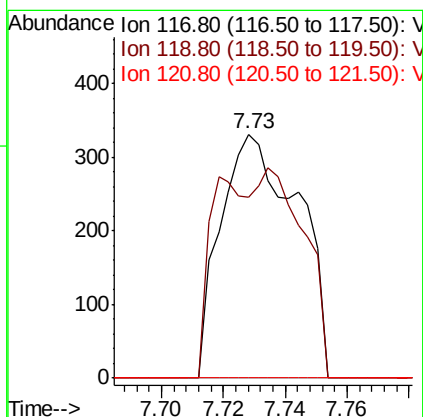
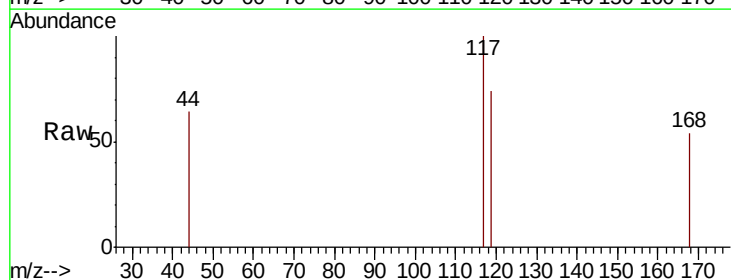
Instrument :
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 ClientSampleId :
 RE109D2-20200611

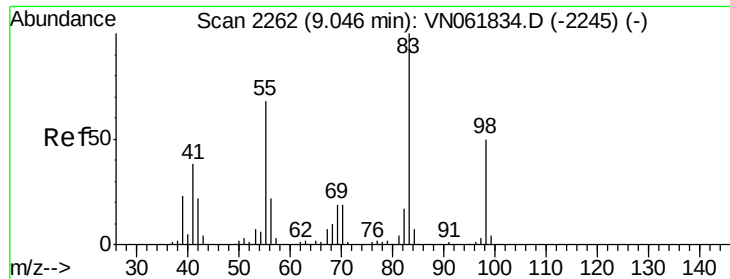
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.0	18.2	54.6#
77	0.0	24.2	36.4#



#38
 Carbon Tetrachloride
 Concen: 0.257 ug/l
 RT: 7.73 min Scan# 1852
 Delta R.T. -0.01 min
 Lab File: VN061871.D
 Acq: 18 Jun 2020 1:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	74.0	75.8	113.6#
121	0.0	23.8	35.6#





#39

Methylcyclohexane

Concen: 0.328 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. -0.24 min

Lab File: VN061871.D

Acq: 18 Jun 2020 1:04

Instrument :

MSVOA_N

ClientSampleId :

RE109D2-20200611

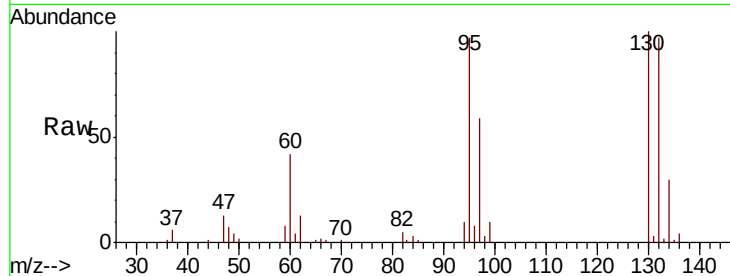
Tot Ion: 83 Resp: 800

Ion Ratio Lower Upper

83 100

55 0.0 54.2 81.4#

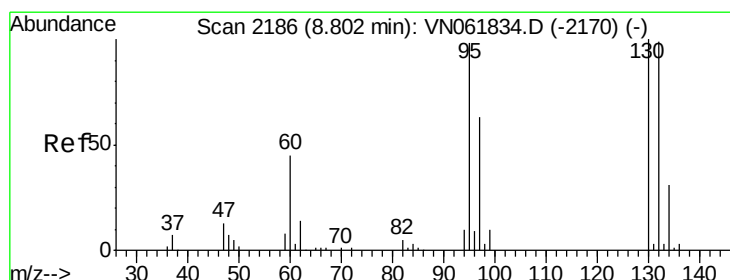
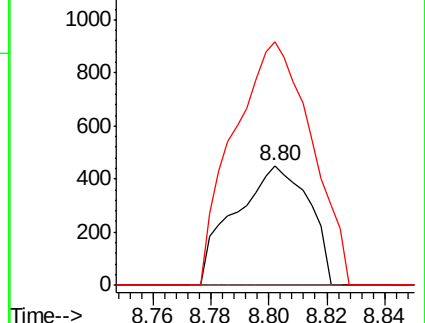
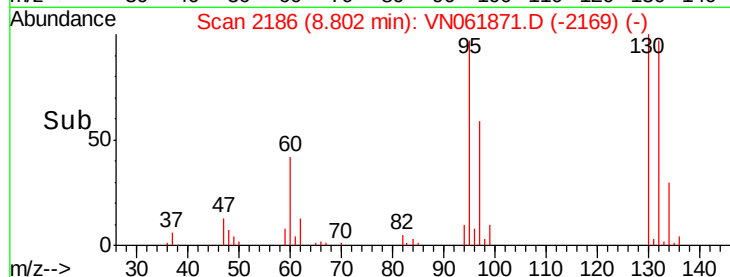
98 203.3 39.8 59.6#



Abundance Ion 83.00 (82.70 to 83.70): VN061871.D (-2186) (-)

Ion 55.00 (54.70 to 55.70): VN061871.D (-2186) (-)

Ion 98.00 (97.70 to 98.70): VN061871.D (-2186) (-)



#44

Trichloroethene

Concen: 39.296 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VN061871.D

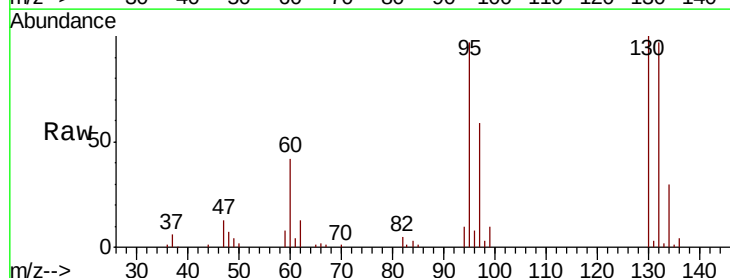
Acq: 18 Jun 2020 1:04

Tgt Ion: 130 Resp: 71032

Ion Ratio Lower Upper

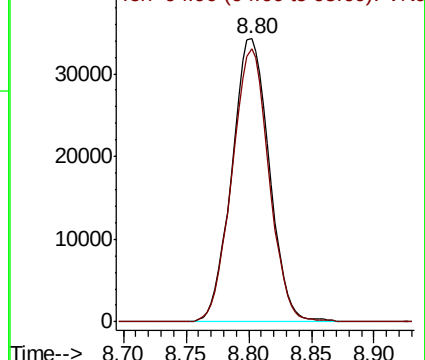
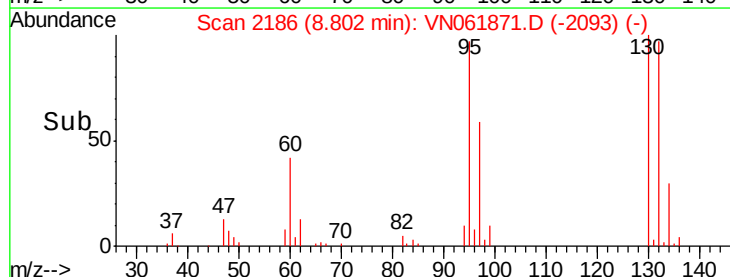
130 100

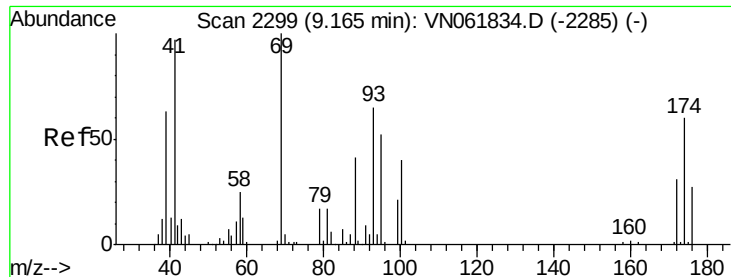
95 96.5 0.0 195.6



Abundance Ion 129.80 (129.50 to 130.50): VN061871.D (-2186) (-)

Ion 94.90 (94.60 to 95.60): VN061871.D (-2186) (-)





#49

1,4-Dioxane

Concen: 2.022 ug/l

RT: 9.17 min Scan# 2300

Delta R.T. 0.00 min

Lab File: VN061871.D

Acq: 18 Jun 2020 1:04

Instrument :

MSVOA_N

ClientSampleId :

RE109D2-20200611

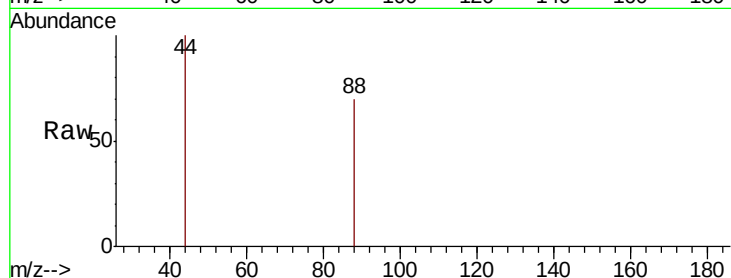
Tot Ion: 88 Resp: 63

Ion Ratio Lower Upper

88 100

43 0.0 23.4 35.2#

58 0.0 49.8 74.6#



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.17

150

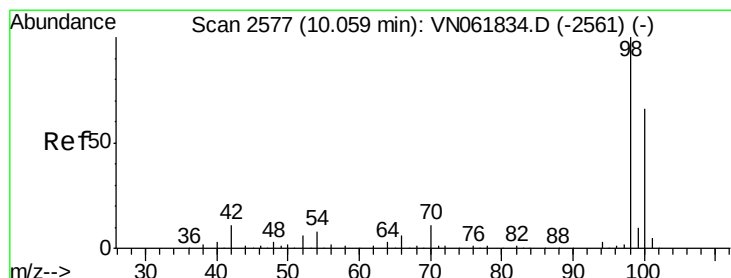
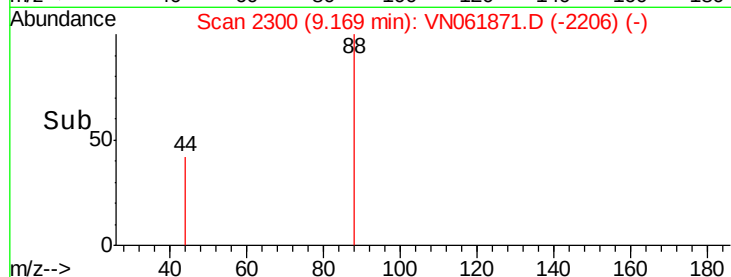
100

50

0

9.15 9.16 9.17 9.18

Time-->



#50

Toluene-d8

Concen: 49.872 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN061871.D

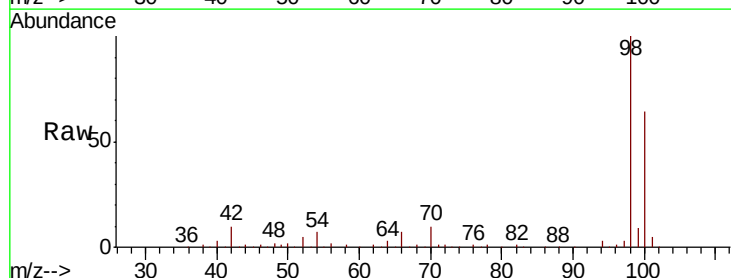
Acq: 18 Jun 2020 1:04

Tgt Ion: 98 Resp: 311812

Ion Ratio Lower Upper

98 100

100 64.5 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

200000

150000

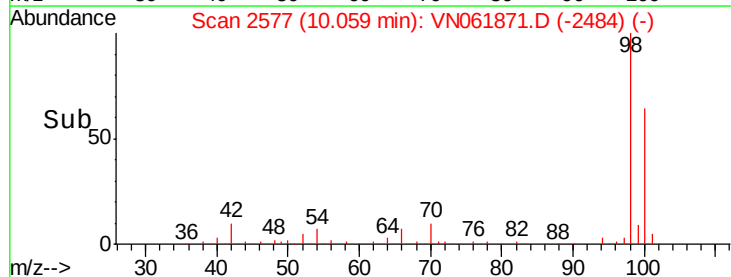
100000

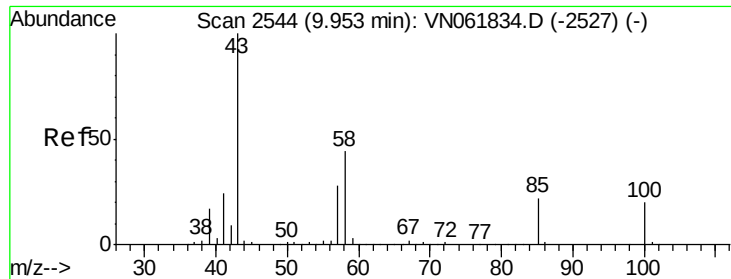
50000

0

10.00 10.10 10.20

Time-->

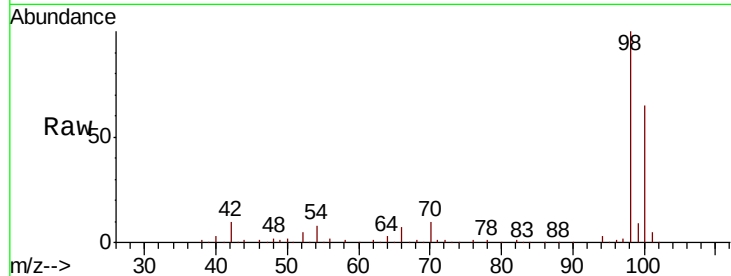




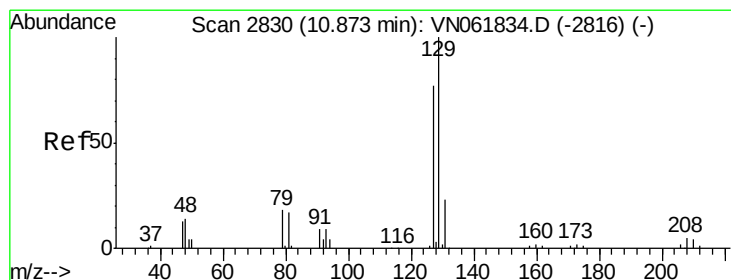
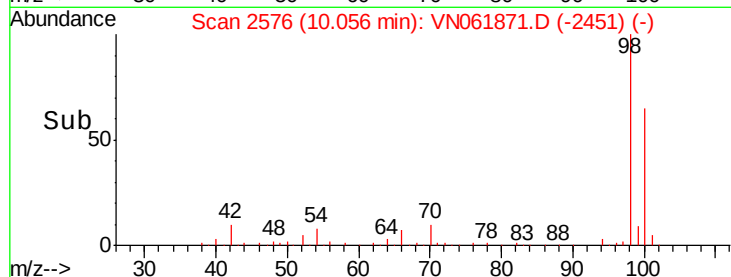
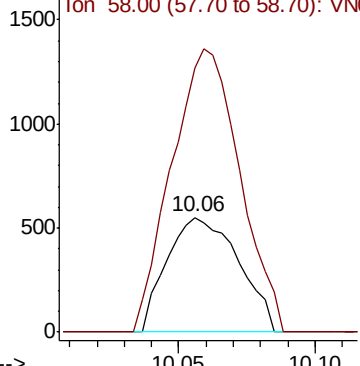
#51
4-Methyl-2-Pentanone
Concen: 0.570 ug/l
RT: 10.06 min Scan# 2576
Delta R.T. 0.10 min
Lab File: VN061871.D
Acq: 18 Jun 2020 1:04

Instrument :
MSVOA_N
ClientSampleId :
RE109D2-20200611

Tot Ion: 43 Resp: 1005
Ion Ratio Lower Upper
43 100
58 234.5 34.6 52.0#

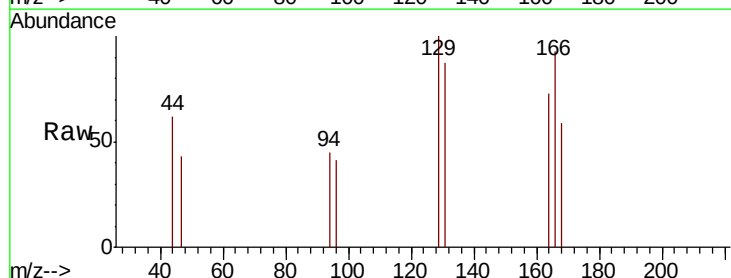


Abundance Ion 43.00 (42.70 to 43.70): VN061834.D (-2527) (-)
Ion 58.00 (57.70 to 58.70): VN061834.D (-2527) (-)

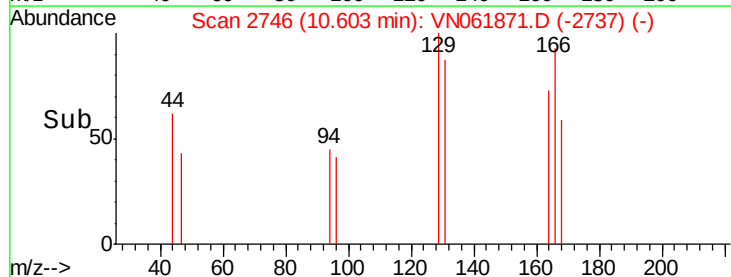
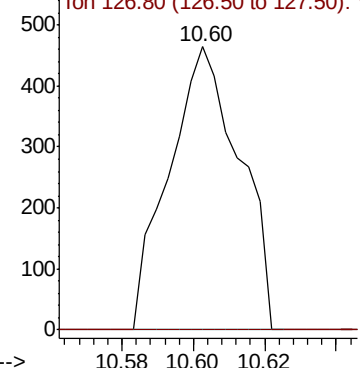


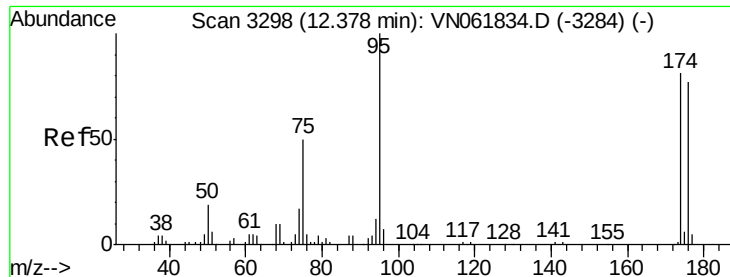
#60
Dibromochloromethane
Concen: 0.336 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.27 min
Lab File: VN061871.D
Acq: 18 Jun 2020 1:04

Tgt Ion: 129 Resp: 636
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) (-)

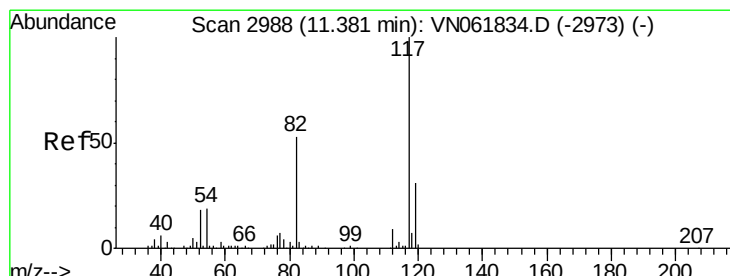
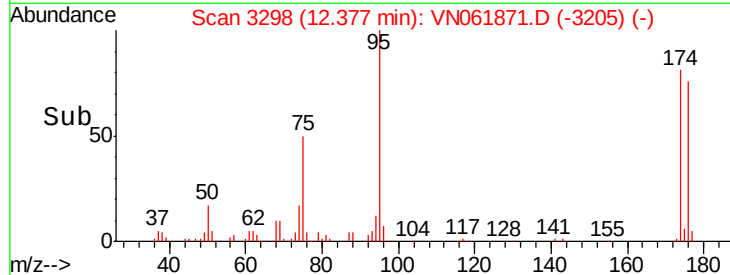
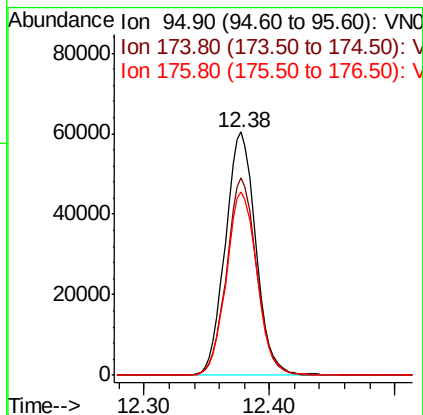
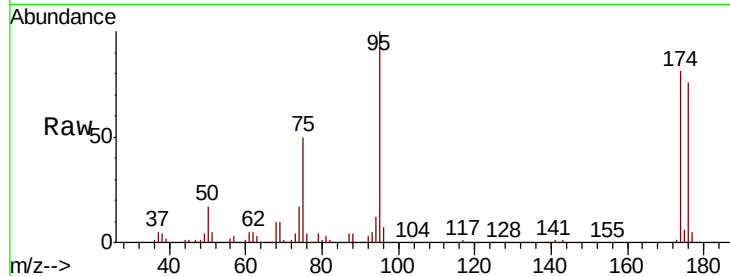




#62
 4-Bromofluorobenzene
 Concen: 47.412 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VN061871.D
 Acq: 18 Jun 2020 1:04

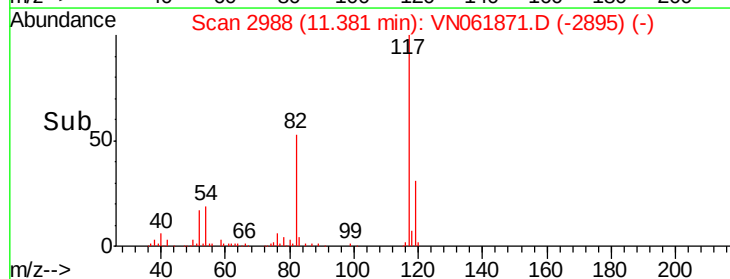
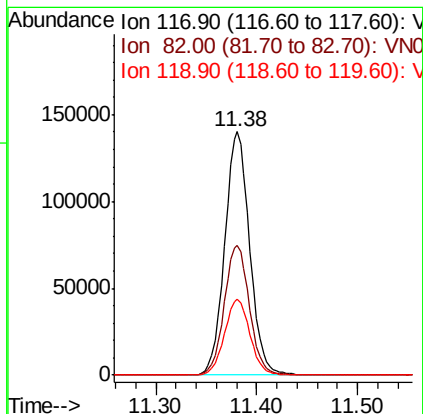
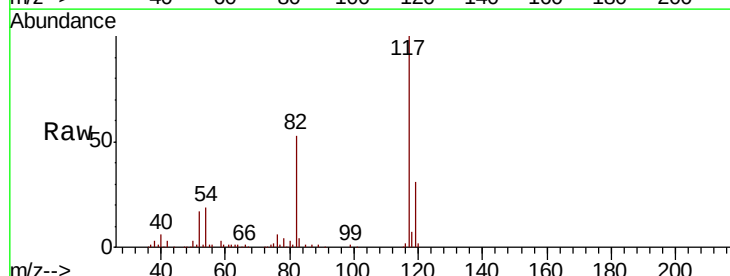
Instrument :
 MSVOA_N
 ClientSampleId :
 RE109D2-20200611

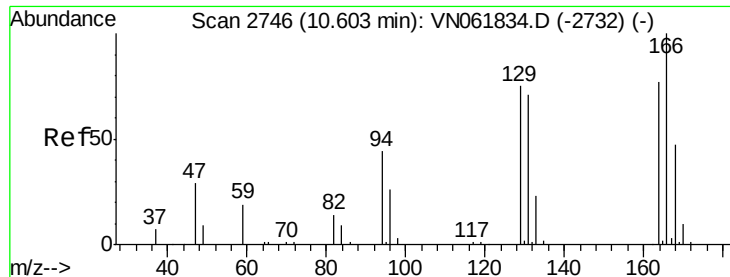
Tot Ion: 95 Resp: 101681
 Ion Ratio Lower Upper
 95 100
 174 80.1 0.0 158.6
 176 76.1 0.0 152.0



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.38 min Scan# 2988
 Delta R.T. -0.00 min
 Lab File: VN061871.D
 Acq: 18 Jun 2020 1:04

Tgt Ion: 117 Resp: 241523
 Ion Ratio Lower Upper
 117 100
 82 53.3 42.6 64.0
 119 31.0 24.7 37.1





#64

Tetrachloroethene

Concen: 0.365 ug/l

RT: 10.61 min Scan# 2748

Delta R.T. 0.01 min

Lab File: VN061871.D

Acq: 18 Jun 2020 1:04

Instrument :

MSVOA_N

ClientSampleId :

RE109D2-20200611

Tot Ion:164 Resp: 562

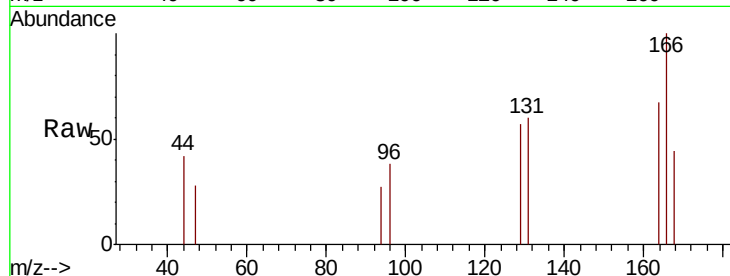
Ion Ratio Lower Upper

164 100

166 149.3 103.5 155.3

129 84.6 77.5 116.3

131 90.3 73.8 110.8

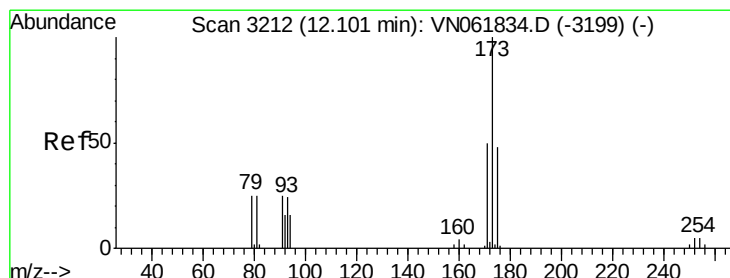
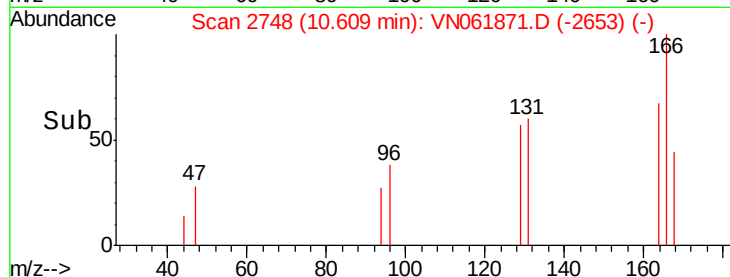
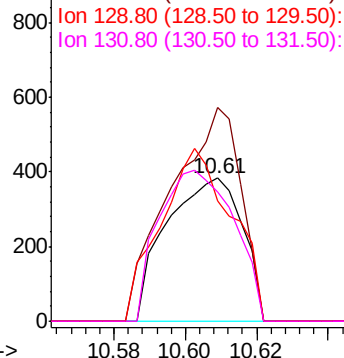


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#71

Bromoform

Concen: 0.644 ug/l

RT: 12.38 min Scan# 3300

Delta R.T. 0.28 min

Lab File: VN061871.D

Acq: 18 Jun 2020 1:04

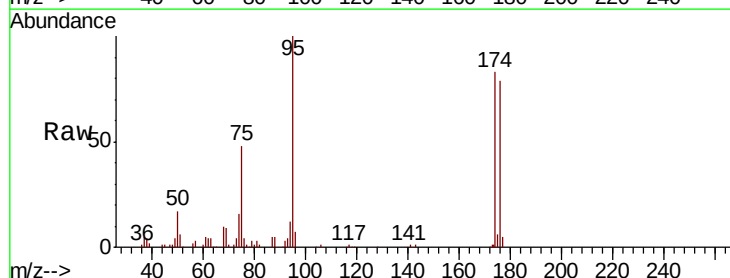
Tgt Ion:173 Resp: 834

Ion Ratio Lower Upper

173 100

175 602.8 23.9 71.7#

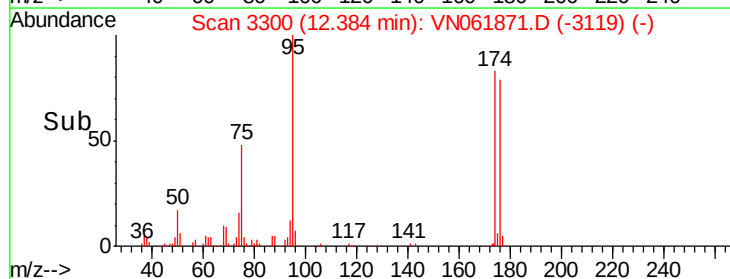
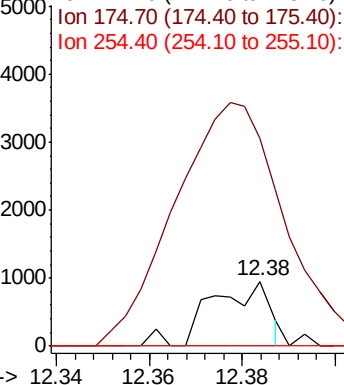
254 0.0 0.0 0.0

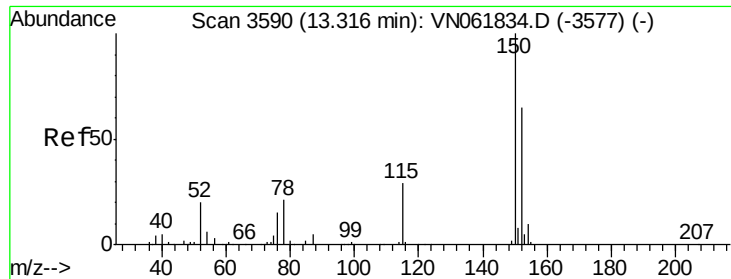


Abundance Ion 172.70 (172.40 to 173.40): V

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: VN061871.D

Acq: 18 Jun 2020 1:04

Instrument :

MSVOA_N

ClientSampleId :

RE109D2-20200611

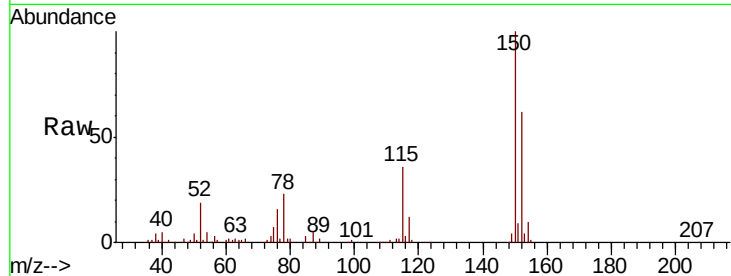
Tot Ion:152 Resp: 92816

Ion Ratio Lower Upper

152 100

115 57.9 29.1 87.3

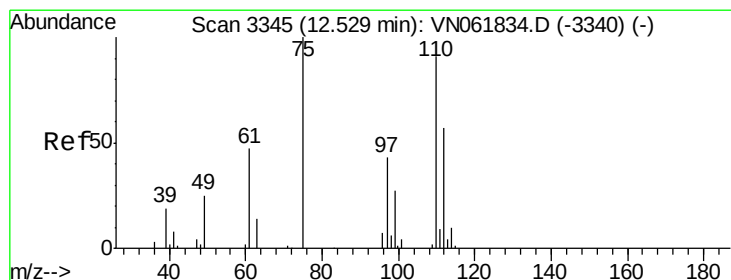
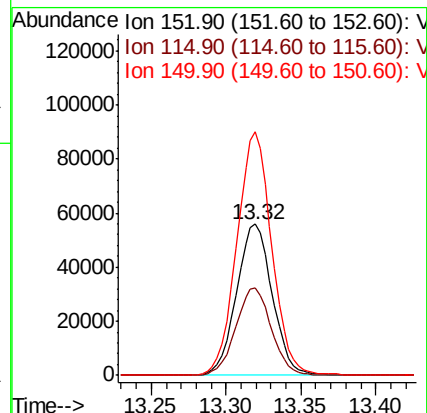
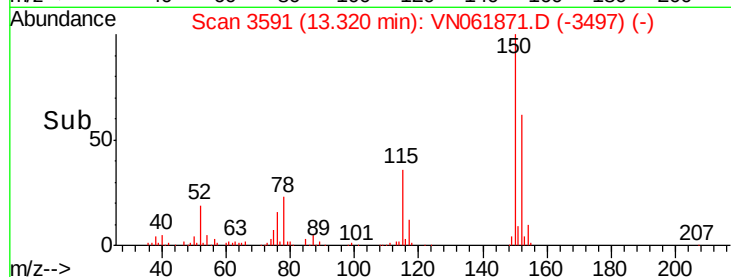
150 157.8 0.0 347.6



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: 27.661 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN061871.D

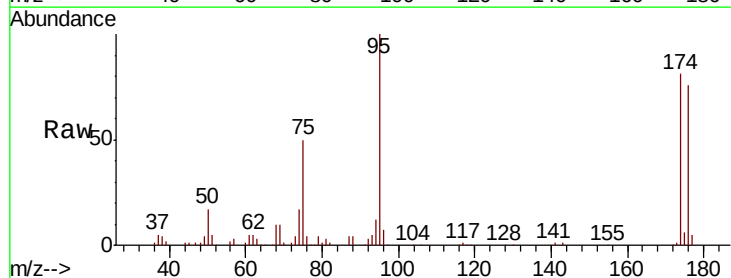
Acq: 18 Jun 2020 1:04

Tgt Ion: 75 Resp: 50404

Ion Ratio Lower Upper

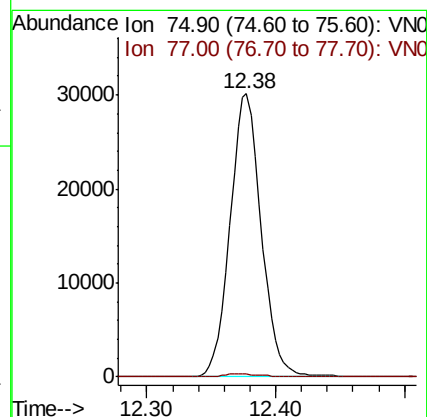
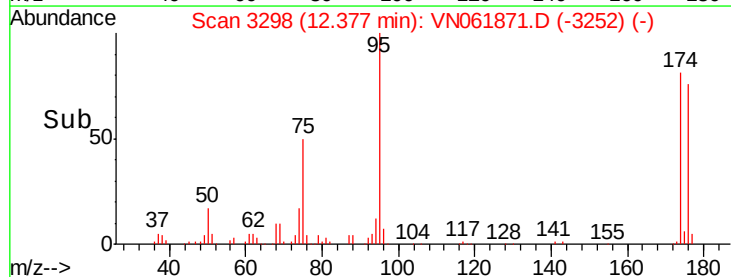
75 100

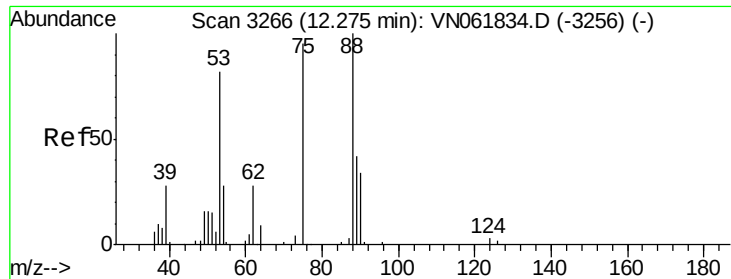
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 75.443 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN061871.D

Acq: 18 Jun 2020 1:04

Instrument :

MSVOA_N

ClientSampleId :

RE109D2-20200611

Tot Ion: 75 Resp: 50404

Ion Ratio Lower Upper

75 100

53 0.0 70.4 105.6#

89 0.0 36.0 54.0#

