

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062220\
 Data File : VN061999.D
 Acq On : 22 Jun 2020 15:06
 Operator : JC/MD
 Sample : L3043-03DL 5X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP05-20200615DL

Quant Time: Jun 23 05:16:54 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	142863	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	265036	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	258521	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	104922	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	99305	51.83	ug/l	0.00
Spiked Amount			Recovery	=	103.66%	
35) Dibromofluoromethane	7.54	113	84028	49.56	ug/l	0.00
Spiked Amount			Recovery	=	99.12%	
50) Toluene-d8	10.06	98	333471	50.03	ug/l	0.00
Spiked Amount			Recovery	=	100.06%	
62) 4-Bromofluorobenzene	12.38	95	113546	49.66	ug/l	0.00
Spiked Amount			Recovery	=	99.32%	

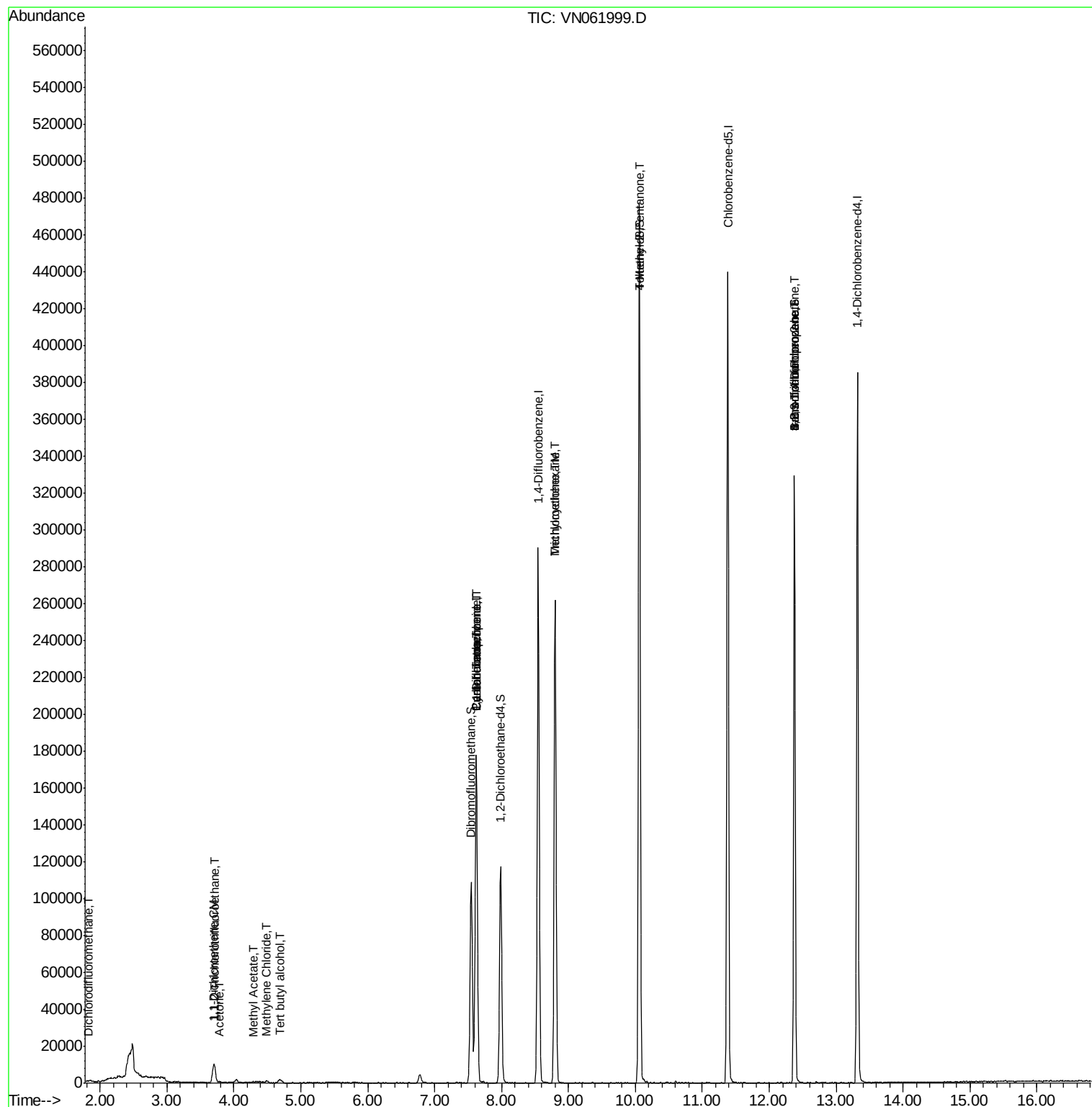
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	173	0.384	ug/l #	41
9) 1,1,2-Trichlorotrifluoroet	3.72	101	5755	3.973	ug/l	99
11) Tert butyl alcohol	4.69	59	1775	6.695	ug/l #	74
12) 1,1-Dichloroethene	3.68	96	2351	1.620	ug/l	98
16) Acetone	3.78	43	1127	1.991	ug/l #	40
18) Methyl Acetate	4.28	43	606	0.372	ug/l #	46
20) Methylene Chloride	4.49	84	463	0.251	ug/l #	50
31) Cyclohexane	7.63	56	3132	1.240	ug/l #	29
36) 1,1-Dichloropropene	7.63	75	12043	4.982	ug/l #	48
38) Carbon Tetrachloride	7.63	117	14733	6.154	ug/l #	18
39) Methylcyclohexane	8.80	83	1035	0.398	ug/l #	1
44) Trichloroethene	8.80	130	98371	51.043	ug/l	97
51) 4-Methyl-2-Pentanone	10.06	43	1293	0.688	ug/l #	1
71) Bromoform	12.38	173	1021	0.736	ug/l #	1
76) 1,2,3-Trichloropropane	12.37	75	56489	27.423	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.37	75	56489	74.795	ug/l #	14

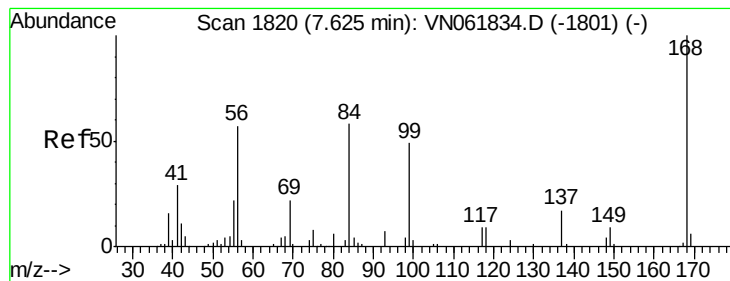
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN061999.D

Acq: 22 Jun 2020 15:06

Instrument :

MSVOA_N

ClientSampleId :

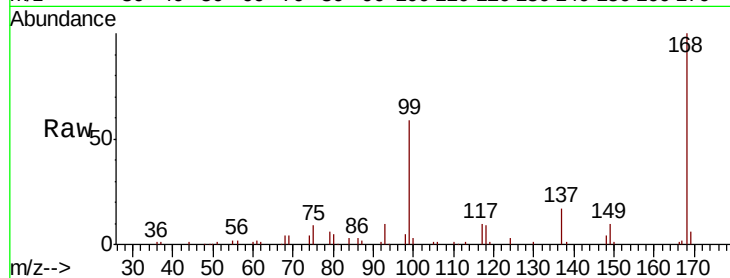
DUP05-20200615DL

Tot Ion:168 Resp: 142863

Ion Ratio Lower Upper

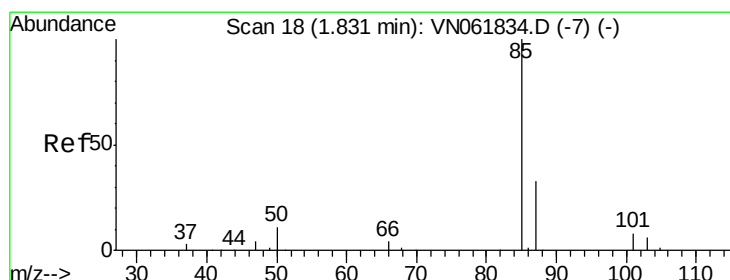
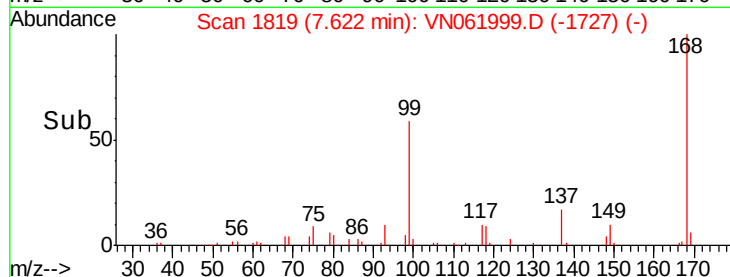
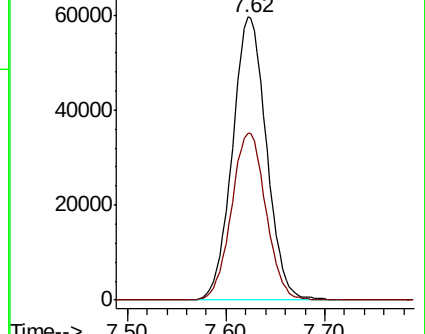
168 100

99 59.1 44.6 67.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 0.384 ug/l

RT: 1.83 min Scan# 17

Delta R.T. -0.00 min

Lab File: VN061999.D

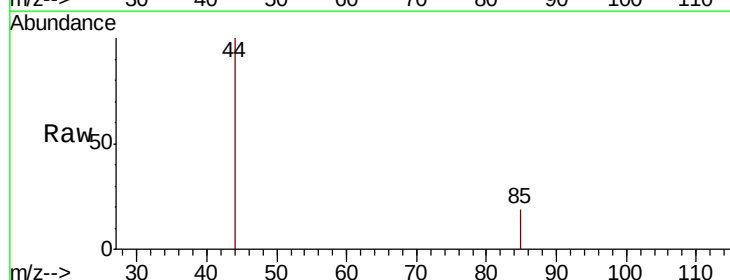
Acq: 22 Jun 2020 15:06

Tgt Ion: 85 Resp: 173

Ion Ratio Lower Upper

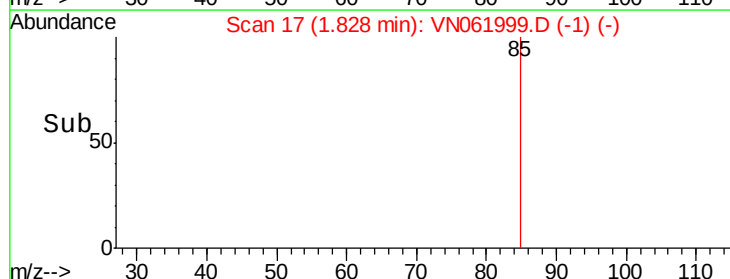
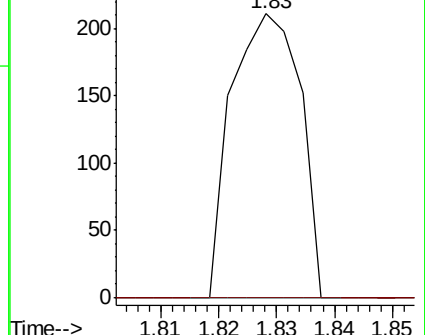
85 100

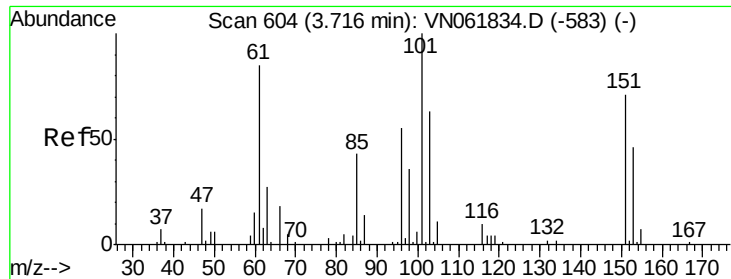
87 0.0 16.6 49.8#



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 3.973 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN061999.D

Acq: 22 Jun 2020 15:06

Instrument :

MSVOA_N

ClientSampleId :

DUP05-20200615DL

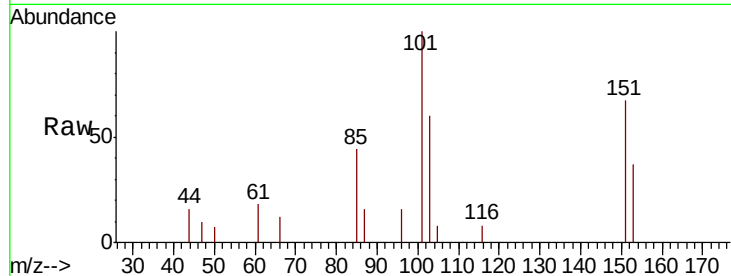
Tot Ion:101 Resp: 5755

Ion Ratio Lower Upper

101 100

85 45.4 35.0 52.6

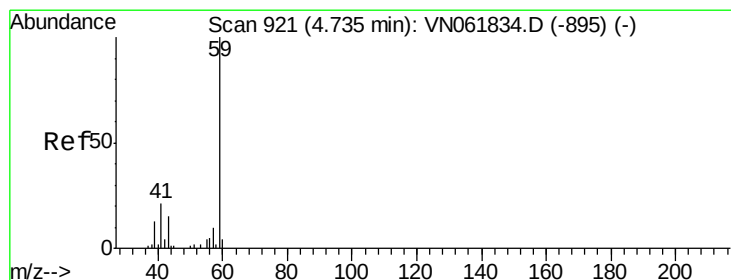
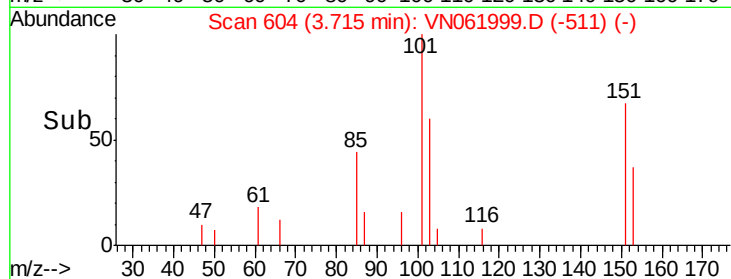
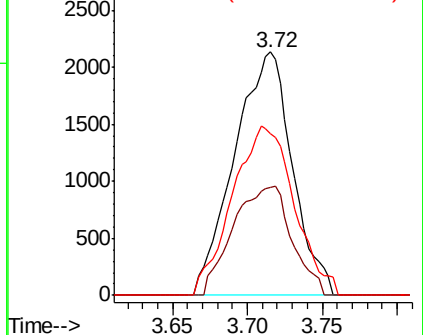
151 74.4 59.2 88.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#11

Tert butyl alcohol

Concen: 6.695 ug/l

RT: 4.69 min Scan# 907

Delta R.T. -0.05 min

Lab File: VN061999.D

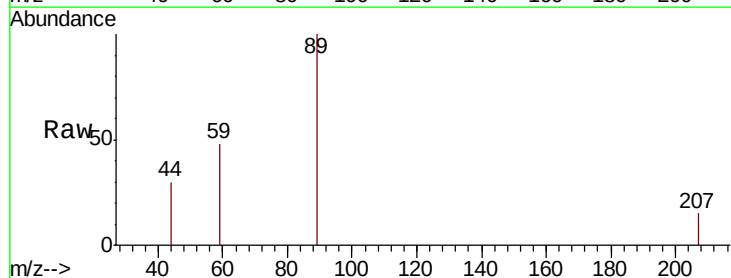
Acq: 22 Jun 2020 15:06

Tgt Ion: 59 Resp: 1775

Ion Ratio Lower Upper

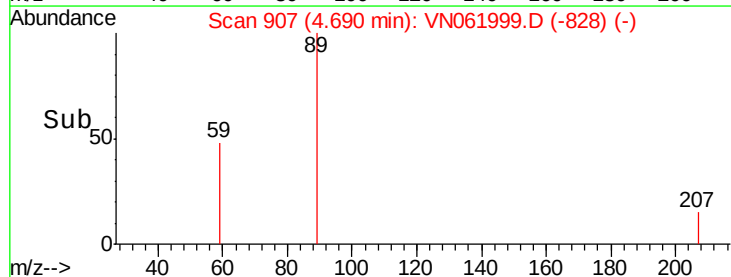
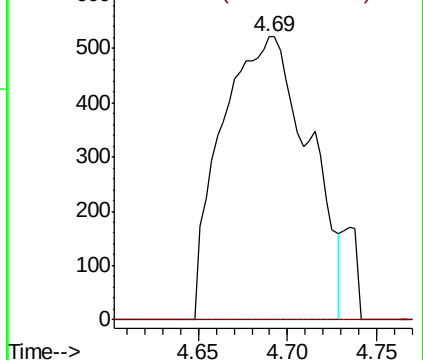
59 100

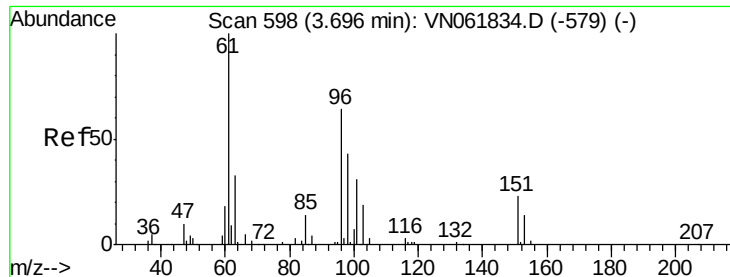
57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0





#12

1,1-Dichloroethene

Concen: 1.620 ug/l

RT: 3.68 min Scan# 594

Delta R.T. -0.01 min

Lab File: VN061999.D

Acq: 22 Jun 2020 15:06

Instrument :

MSVOA_N

ClientSampleId :

DUP05-20200615DL

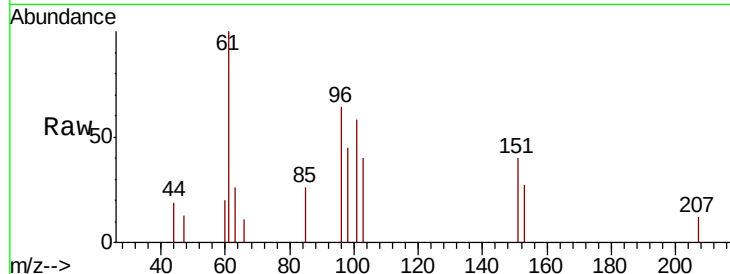
Tot Ion: 96 Resp: 2351

Ion Ratio Lower Upper

96 100

61 156.0 124.3 186.5

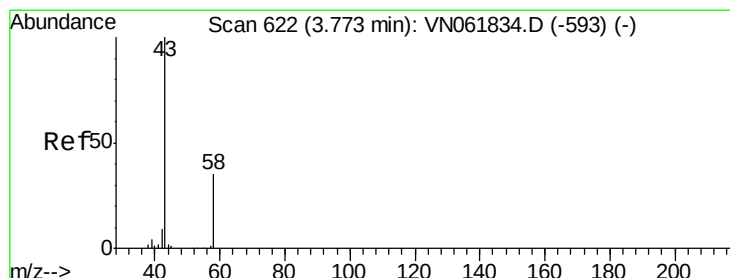
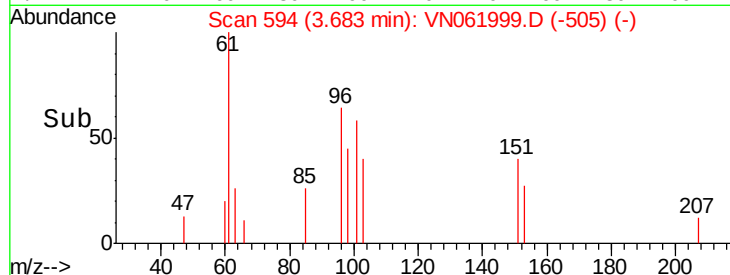
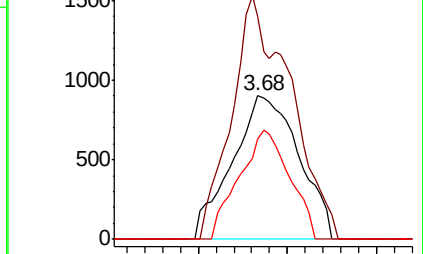
98 69.7 53.1 79.7



Abundance Ion 95.90 (95.60 to 96.60): VN061834.D (-579) (-)

Ion 60.90 (60.60 to 61.60): VN061834.D (-579) (-)

Ion 97.90 (97.60 to 98.60): VN061834.D (-579) (-)



#16

Acetone

Concen: 1.991 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.01 min

Lab File: VN061999.D

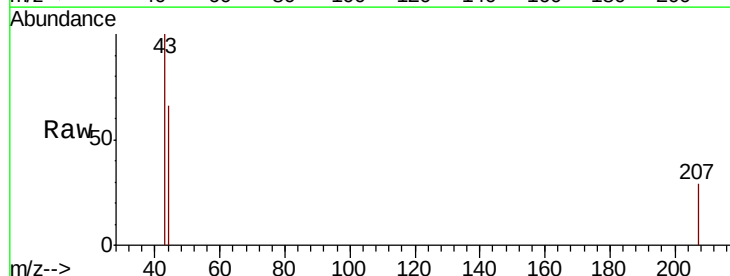
Acq: 22 Jun 2020 15:06

Tgt Ion: 43 Resp: 1127

Ion Ratio Lower Upper

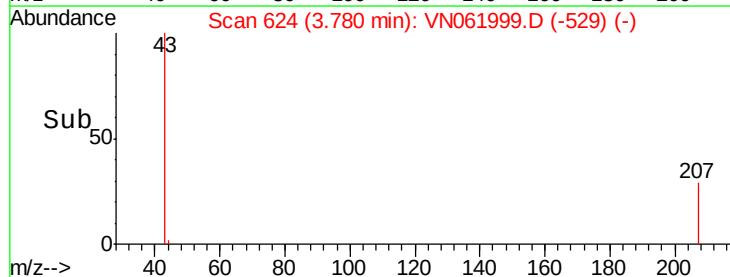
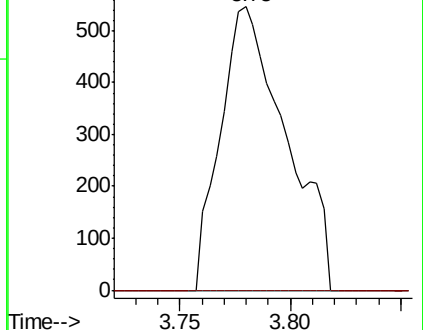
43 100

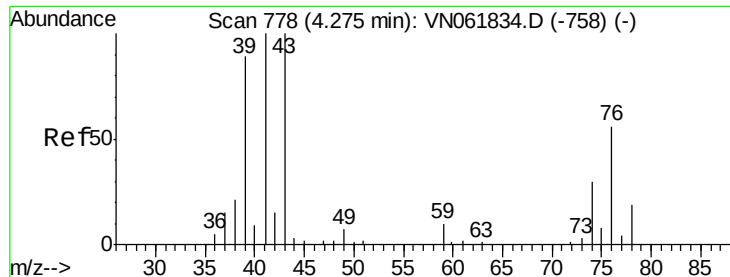
58 0.0 27.8 41.8#



Abundance Ion 43.00 (42.70 to 43.70): VN061834.D (-593) (-)

Ion 58.00 (57.70 to 58.70): VN061834.D (-593) (-)

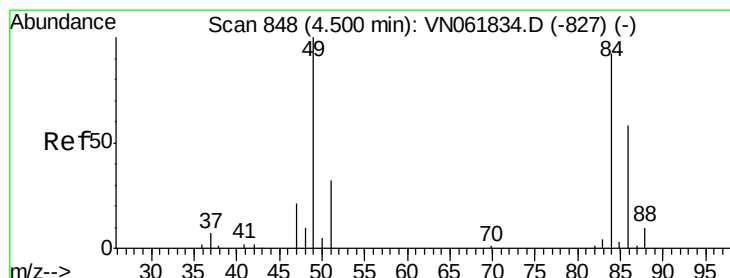
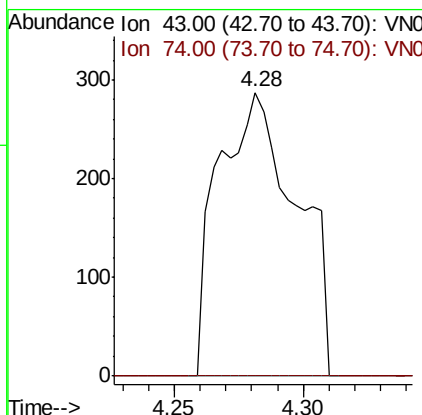
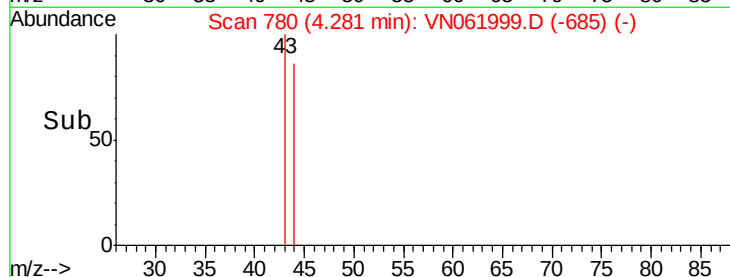
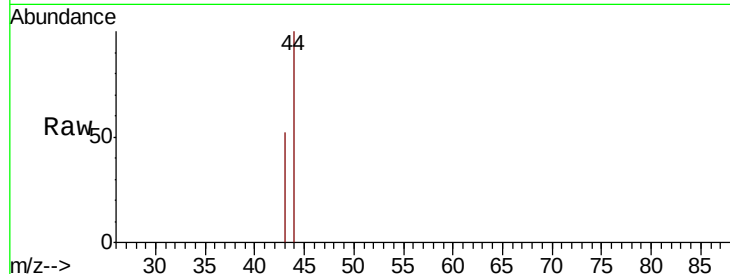




#18
Methvl Acetate
Concen: 0.372 ug/l
RT: 4.28 min Scan# 780
Delta R.T. 0.01 min
Lab File: VN061999.D
Acq: 22 Jun 2020 15:06

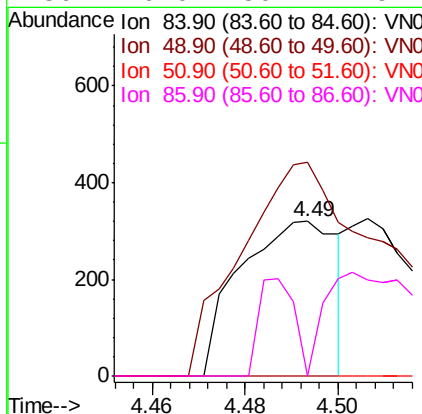
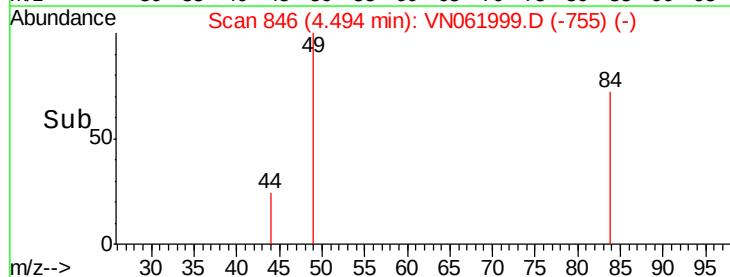
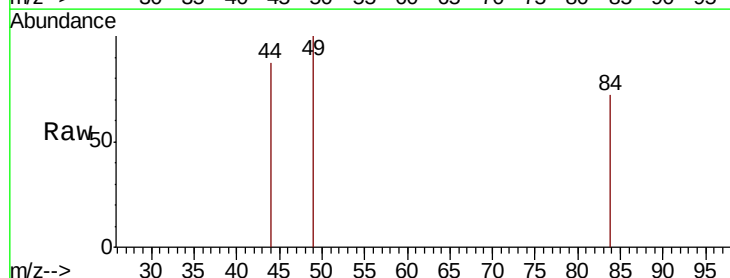
Instrument :
MSVOA_N
ClientSampleId :
DUP05-20200615DL

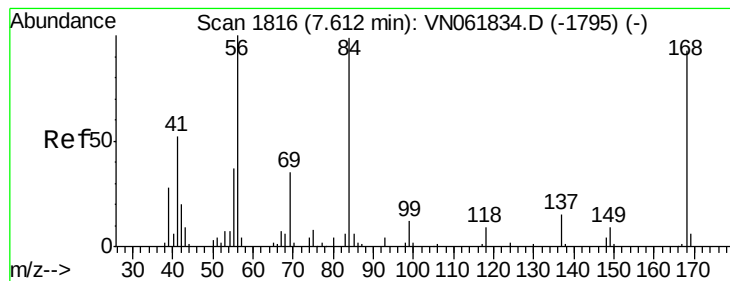
Tot Ion: 43 Resp: 606
Ion Ratio Lower Upper
43 100
74 0.0 23.0 34.4#



#20
Methylene Chloride
Concen: 0.251 ug/l
RT: 4.49 min Scan# 846
Delta R.T. -0.01 min
Lab File: VN061999.D
Acq: 22 Jun 2020 15:06

Tgt Ion: 84 Resp: 463
Ion Ratio Lower Upper
84 100
49 138.1 87.0 130.4#
51 0.0 27.8 41.6#
86 0.0 50.2 75.2#





#31

Cyclohexane

Concen: 1.240 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.01 min

Lab File: VN061999.D

Acq: 22 Jun 2020 15:06

Instrument :

MSVOA_N

ClientSampleId :

DUP05-20200615DL

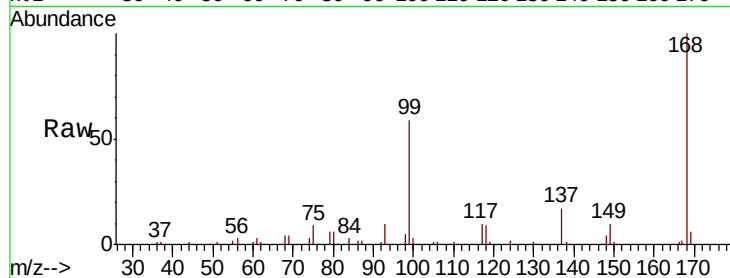
Tot Ion: 56 Resp: 3132

Ion Ratio Lower Upper

56 100

69 153.0 27.7 41.5#

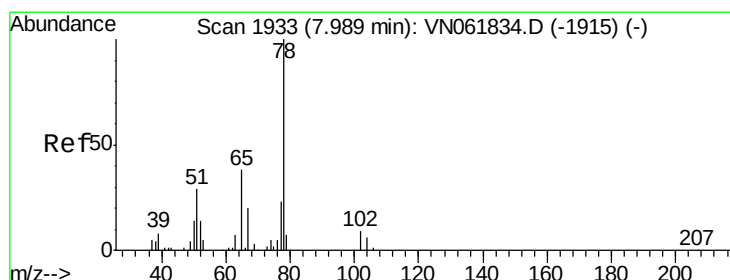
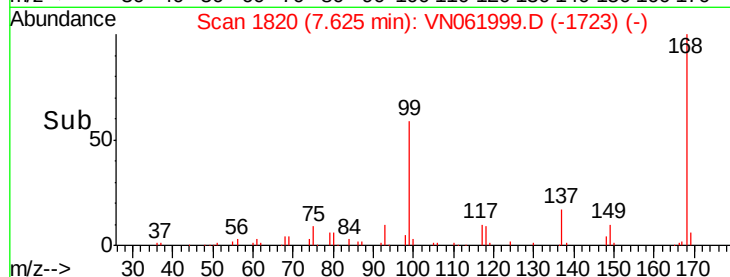
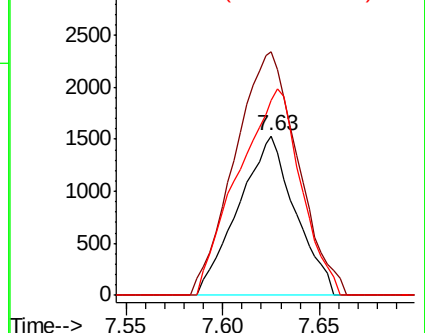
84 122.2 79.1 118.7#



Abundance Ion 56.00 (55.70 to 56.70): VN061999.D (-1795) (-)

Ion 69.00 (68.70 to 69.70): VN061999.D (-1795) (-)

Ion 84.00 (83.70 to 84.70): VN061999.D (-1795) (-)



#33

1,2-Dichloroethane-d4

Concen: 51.829 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN061999.D

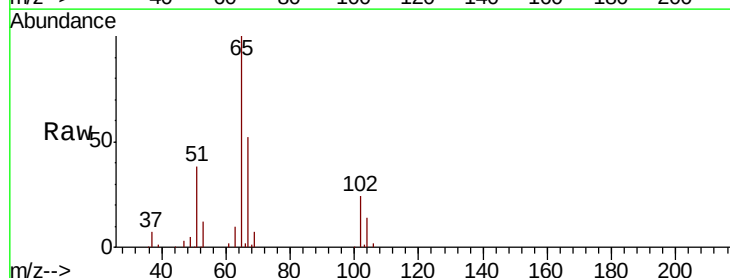
Acq: 22 Jun 2020 15:06

Tgt Ion: 65 Resp: 99305

Ion Ratio Lower Upper

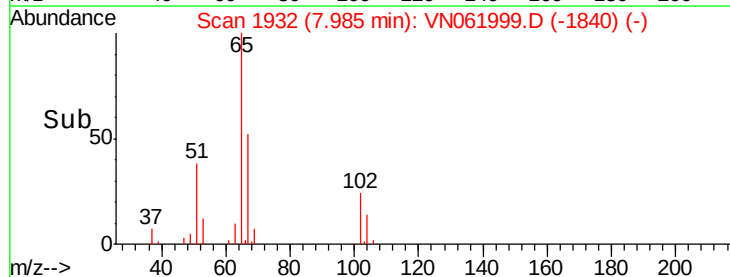
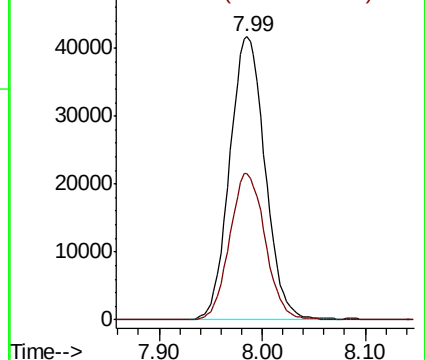
65 100

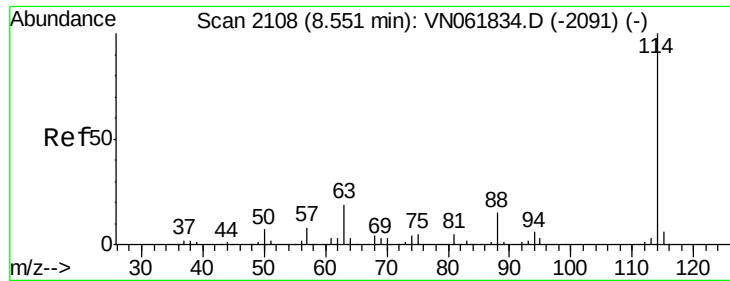
67 52.0 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VN061999.D (-1840) (-)

Ion 66.90 (66.60 to 67.60): VN061999.D (-1840) (-)

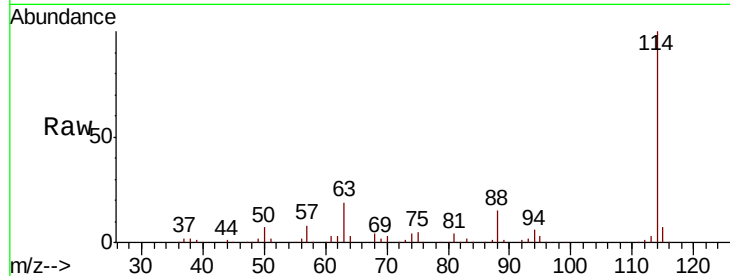




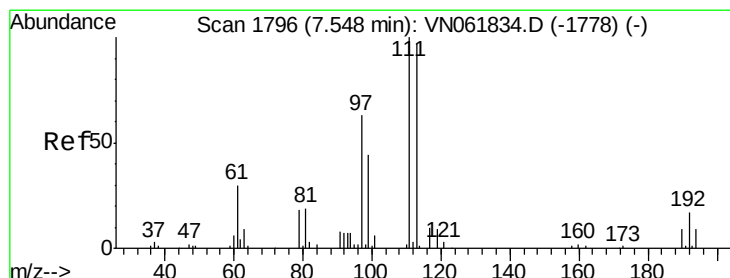
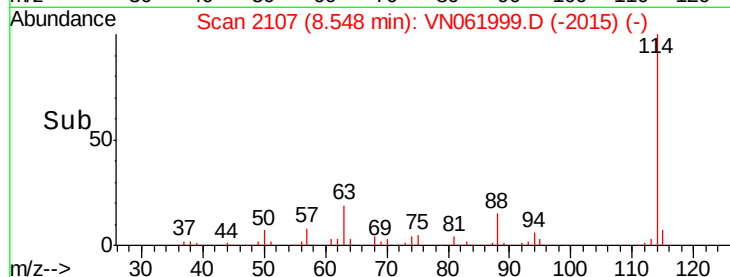
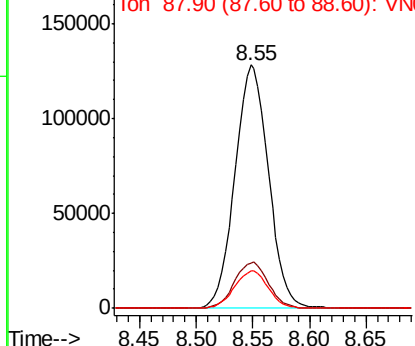
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2107
Delta R.T. -0.00 min
Lab File: VN061999.D
Acq: 22 Jun 2020 15:06

Instrument :
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DUP05-20200615DL

Tot Ion:114 Resp: 265036
Ion Ratio Lower Upper
114 100
63 18.8 0.0 37.6
88 15.3 0.0 31.0

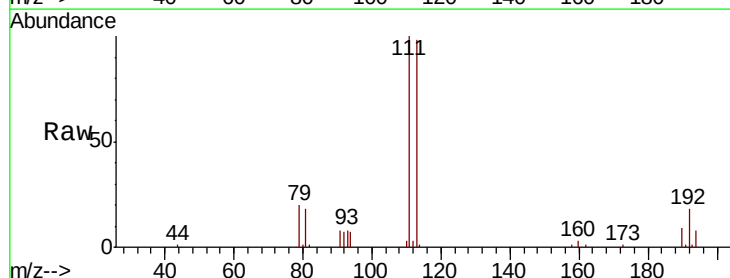


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

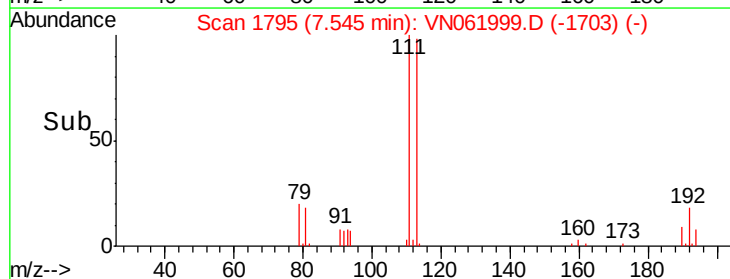
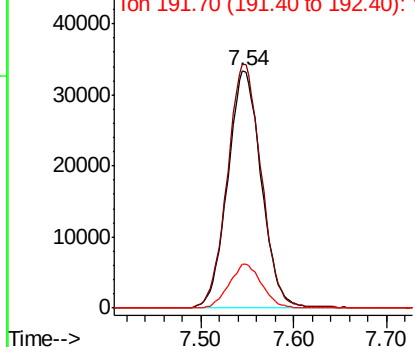


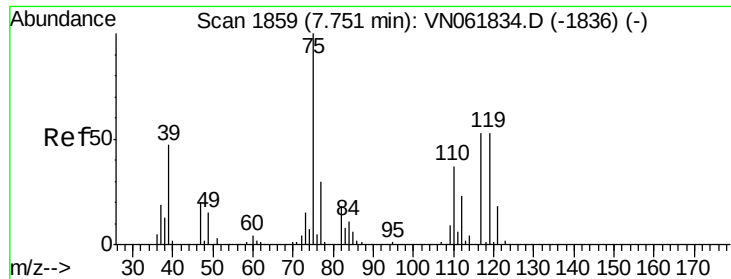
#35
Dibromofluoromethane
Concen: 49.558 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN061999.D
Acq: 22 Jun 2020 15:06

Tgt Ion:113 Resp: 84028
Ion Ratio Lower Upper
113 100
111 103.4 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

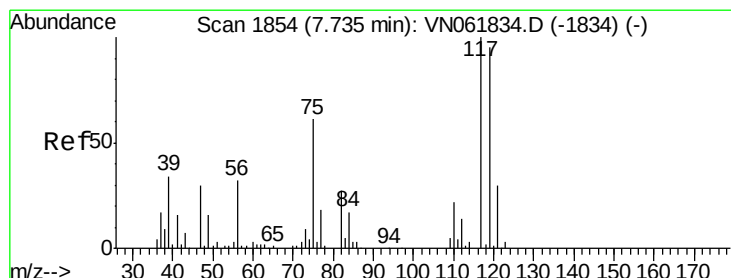
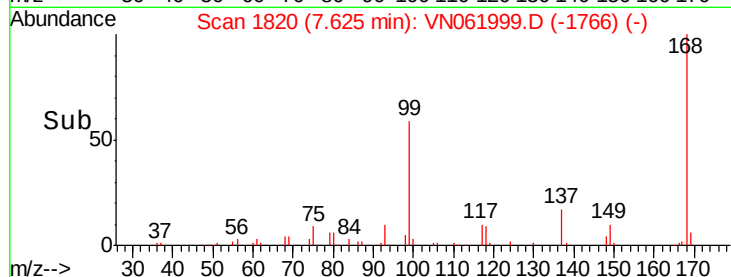
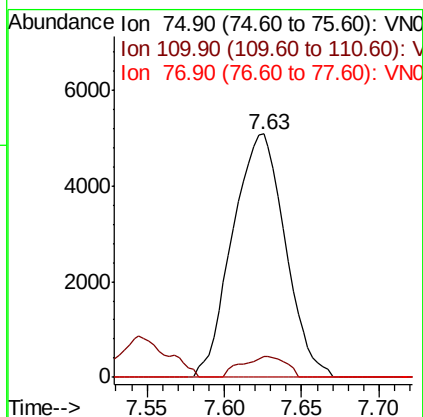
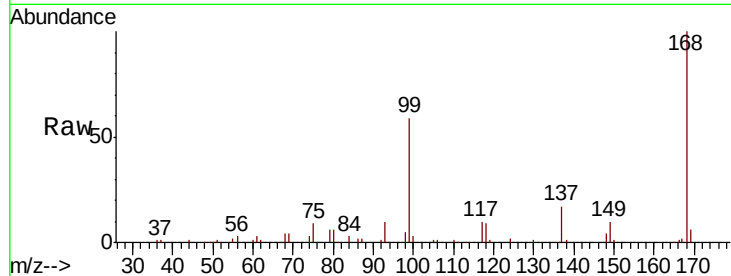




#36
 1,1-Dichloropropene
 Concen: 4.982 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN061999.D
 Acq: 22 Jun 2020 15:06

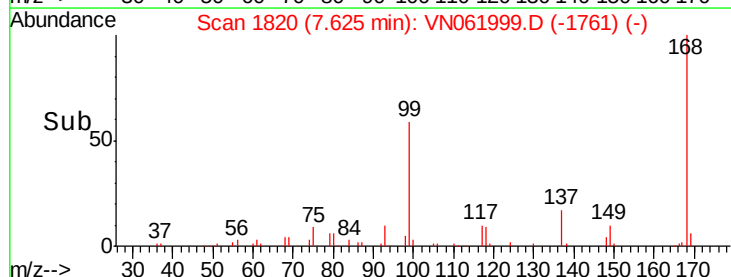
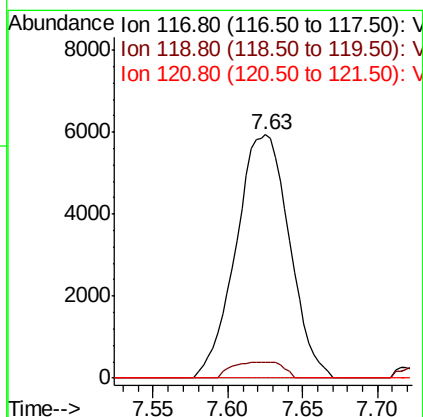
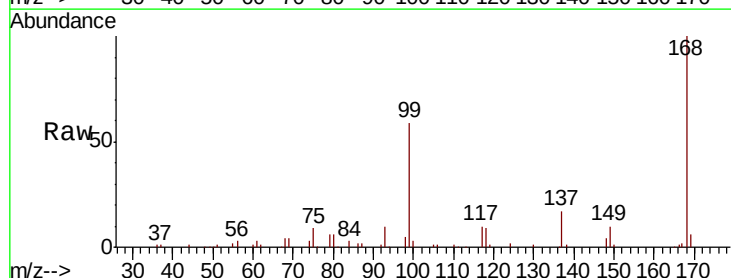
Instrument :
 MSVOA_N
 ClientSampleId :
 DUP05-20200615DL

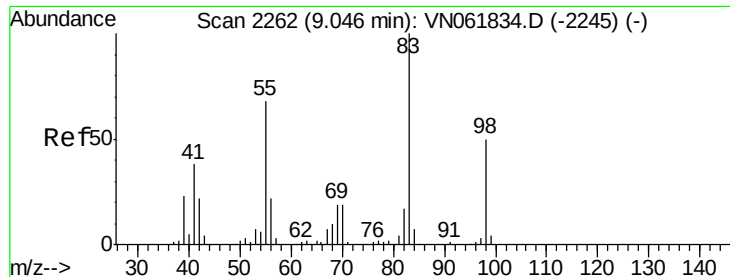
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.1	18.2	54.6#
77	0.0	24.2	36.4#



#38
 Carbon Tetrachloride
 Concen: 6.154 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.11 min
 Lab File: VN061999.D
 Acq: 22 Jun 2020 15:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.5	75.8	113.6#
121	0.0	23.8	35.6#

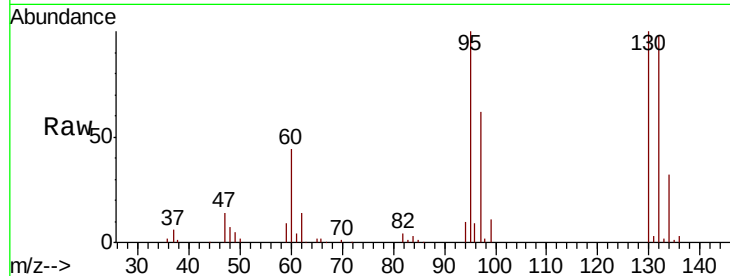




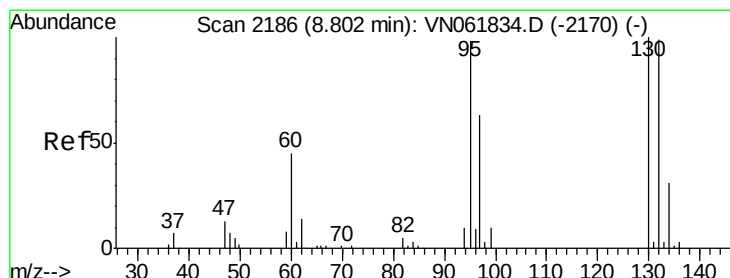
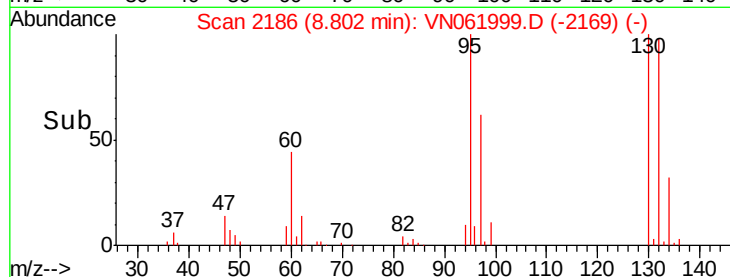
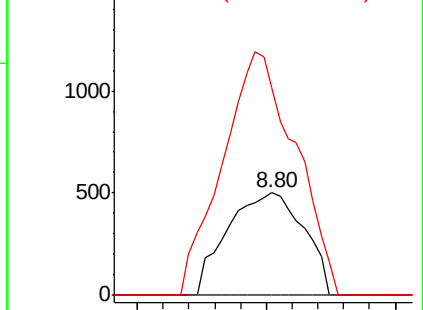
#39
Methylvlcyclohexane
Concen: 0.398 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. -0.24 min
Lab File: VN061999.D
Acq: 22 Jun 2020 15:06

Instrument :
MSVOA_N
ClientSampleId :
DUP05-20200615DL

Tot Ion: 83 Resp: 1035
Ion Ratio Lower Upper
83 100
55 0.0 54.2 81.4#
98 203.2 39.8 59.6#

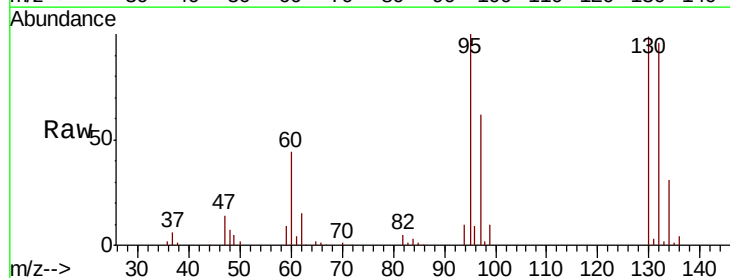


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

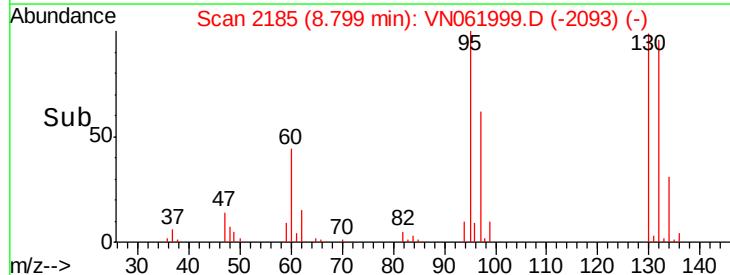
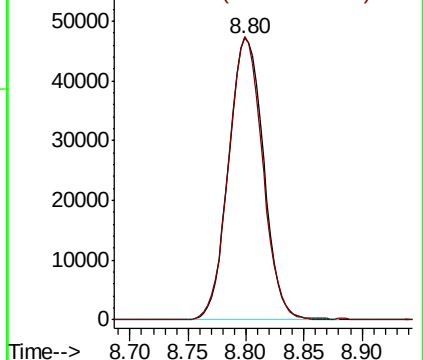


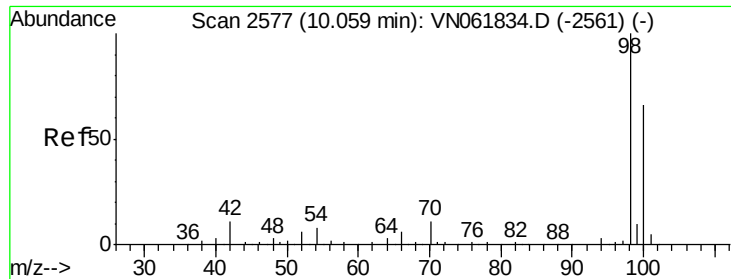
#44
Trichloroethene
Concen: 51.043 ug/l
RT: 8.80 min Scan# 2185
Delta R.T. -0.00 min
Lab File: VN061999.D
Acq: 22 Jun 2020 15:06

Tgt Ion:130 Resp: 98371
Ion Ratio Lower Upper
130 100
95 100.5 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: 50.026 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN061999.D

Acq: 22 Jun 2020 15:06

Instrument :

MSVOA_N

ClientSampleId :

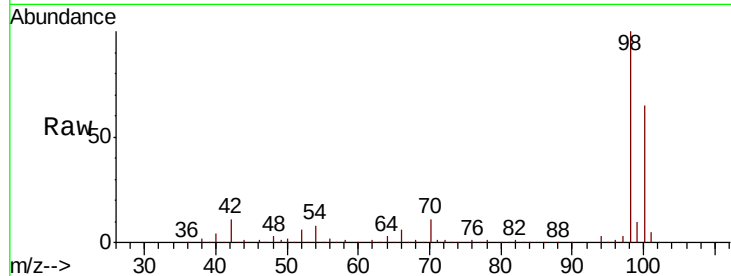
DUP05-20200615DL

Tot Ion: 98 Resp: 333471

Ion Ratio Lower Upper

98 100

100 64.7 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

200000

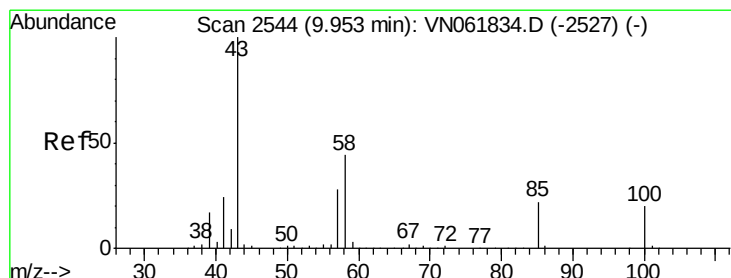
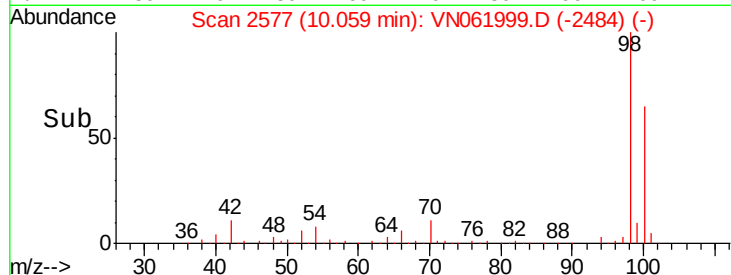
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.688 ug/l

RT: 10.06 min Scan# 2576

Delta R.T. 0.10 min

Lab File: VN061999.D

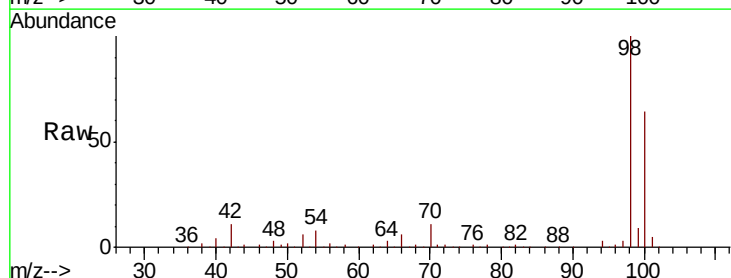
Acq: 22 Jun 2020 15:06

Tgt Ion: 43 Resp: 1293

Ion Ratio Lower Upper

43 100

58 191.4 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) (-)

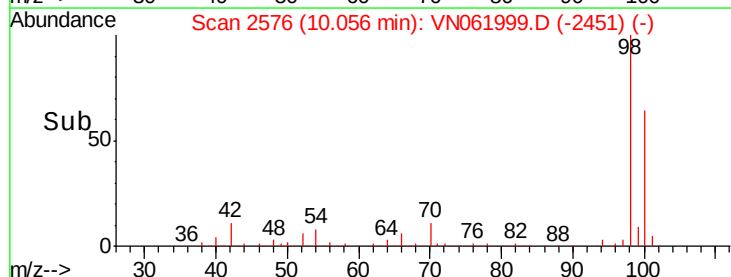
1500

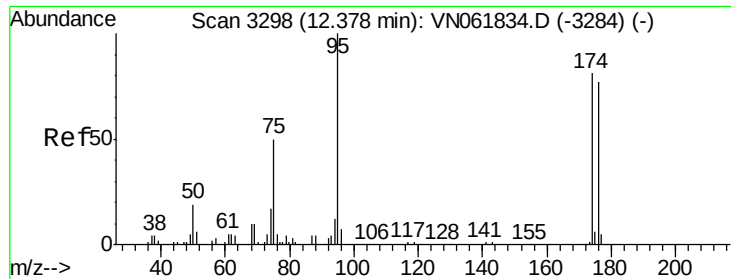
1000

500

0

Time-->





#62

4-Bromofluorobenzene

Concen: 49.659 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN061999.D

Acq: 22 Jun 2020 15:06

Instrument :

MSVOA_N

ClientSampleId :

DUP05-20200615DL

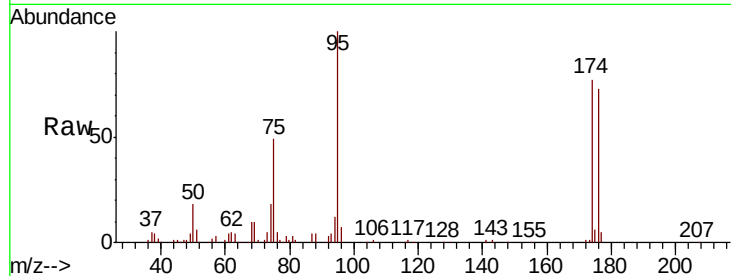
Tot Ion: 95 Resp: 113546

Ion Ratio Lower Upper

95 100

174 77.8 0.0 158.6

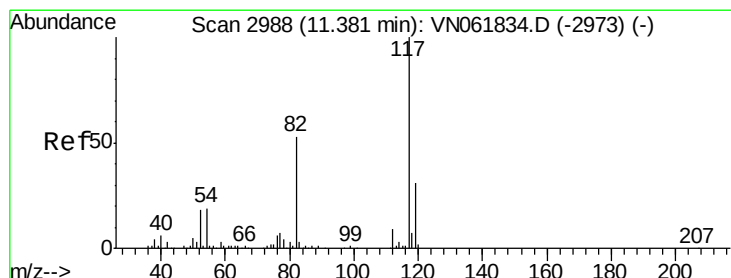
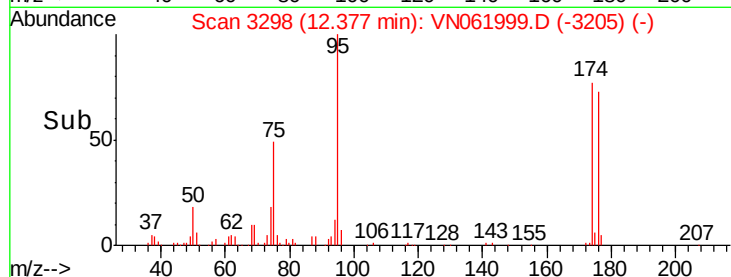
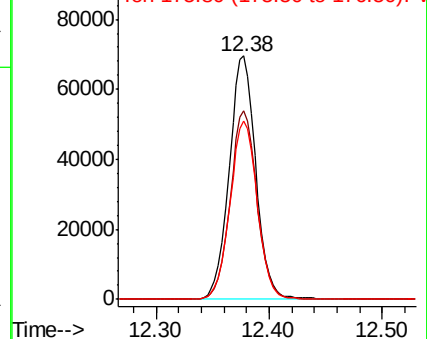
176 75.0 0.0 152.0



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

Ion 173.80 (173.50 to 174.50): VN061834.D (-3284) (-)

Ion 175.80 (175.50 to 176.50): VN061834.D (-3284) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN061999.D

Acq: 22 Jun 2020 15:06

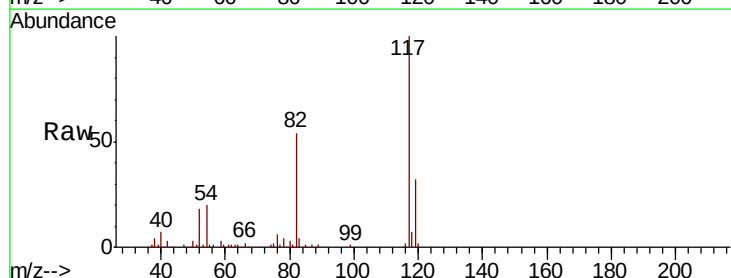
Tgt Ion: 117 Resp: 258521

Ion Ratio Lower Upper

117 100

82 54.4 42.6 64.0

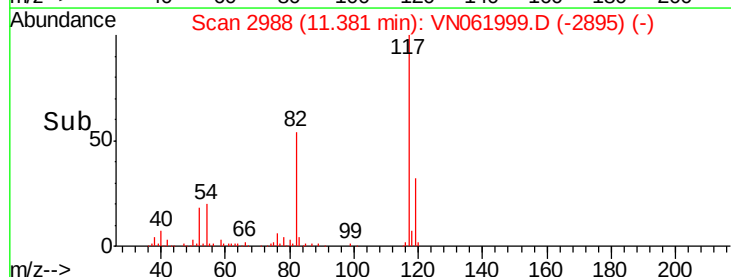
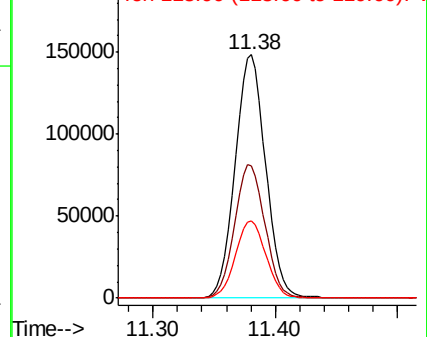
119 31.5 24.7 37.1

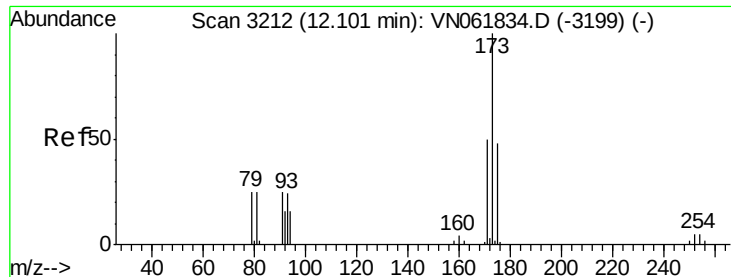


Abundance Ion 116.90 (116.60 to 117.60): VN061834.D (-2973) (-)

Ion 82.00 (81.70 to 82.70): VN061834.D (-2973) (-)

Ion 118.90 (118.60 to 119.60): VN061834.D (-2973) (-)





#71

Bromoform

Concen: 0.736 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.28 min

Lab File: VN061999.D

Acq: 22 Jun 2020 15:06

Instrument :

MSVOA_N

ClientSampleId :

DUP05-20200615DL

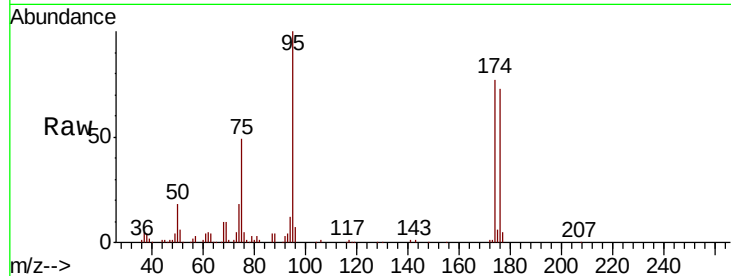
Tot Ion:173 Resp: 1021

Ion Ratio Lower Upper

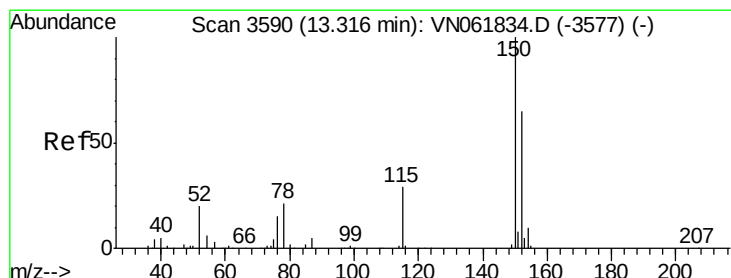
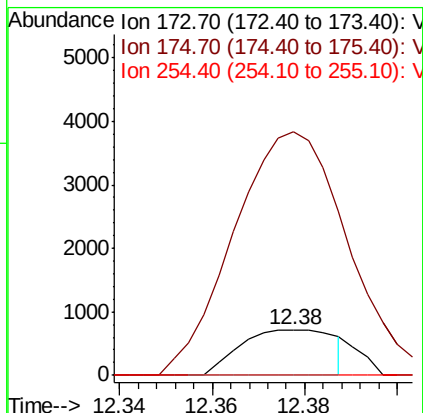
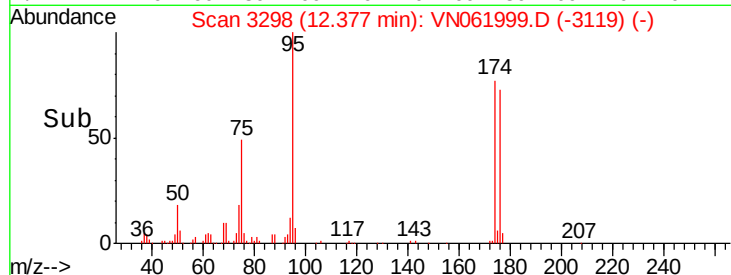
173 100

175 547.7 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: VN061999.D

Acq: 22 Jun 2020 15:06

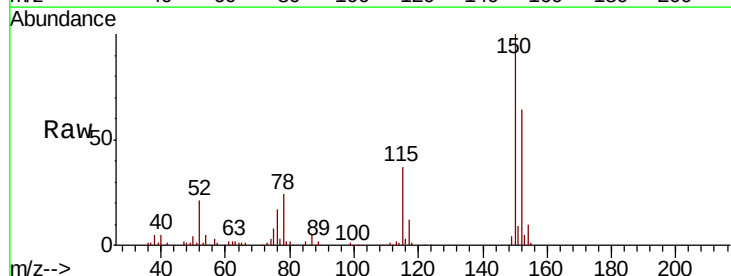
Tgt Ion:152 Resp: 104922

Ion Ratio Lower Upper

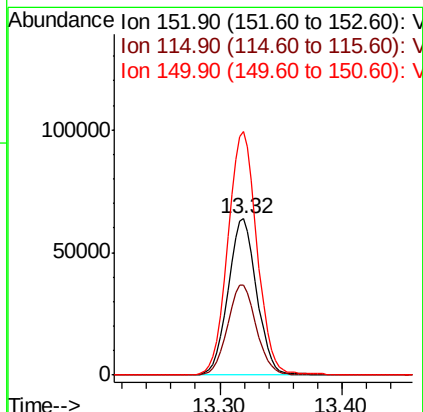
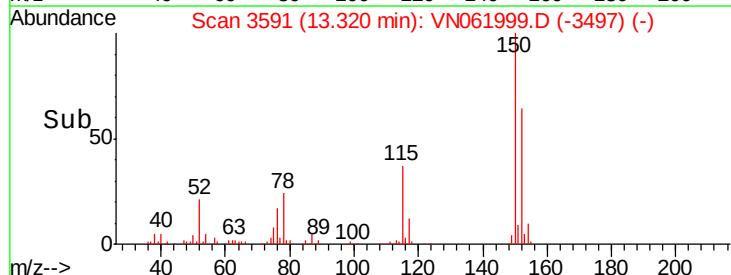
152 100

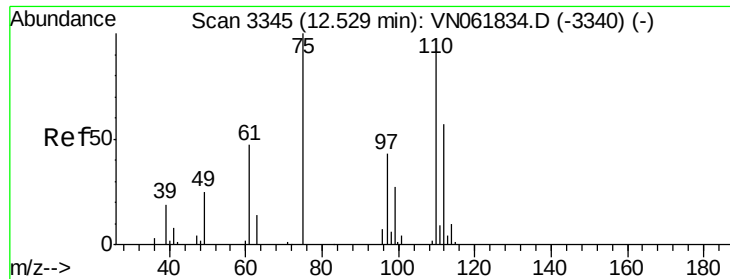
115 58.1 29.1 87.3

150 157.9 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

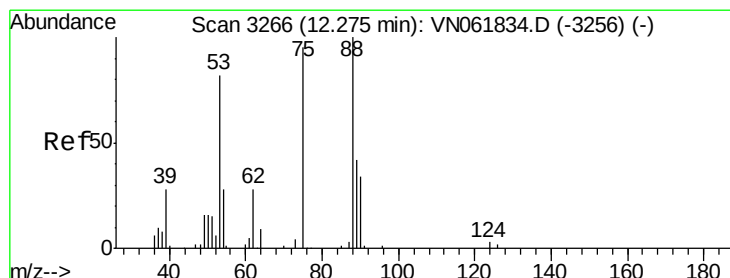
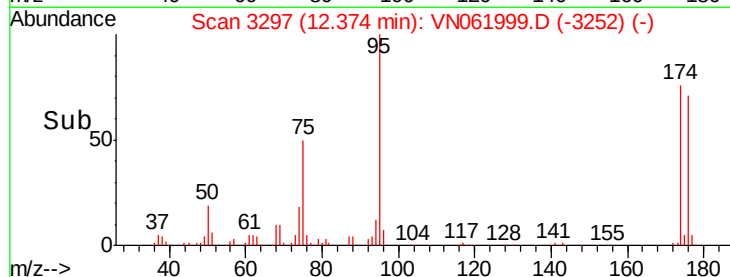
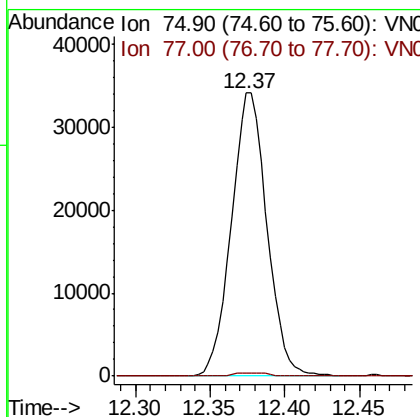
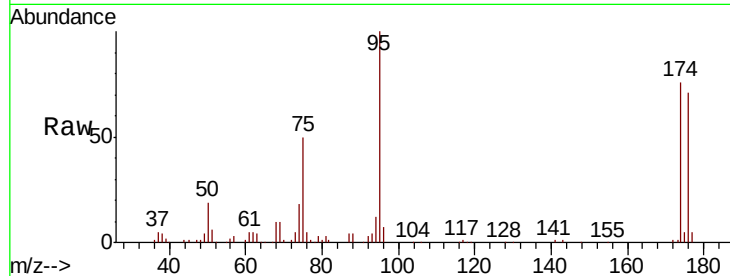




#76
 1,2,3-Trichloropropane
 Concen: 27.423 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. -0.15 min
 Lab File: VN061999.D
 Acq: 22 Jun 2020 15:06

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP05-20200615DL

Tot Ion: 75 Resp: 56489
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.795 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. 0.10 min
 Lab File: VN061999.D
 Acq: 22 Jun 2020 15:06

Tgt Ion: 75 Resp: 56489
 Ion Ratio Lower Upper
 75 100
 53 0.0 70.4 105.6#
 89 0.0 36.0 54.0#

