

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061920\
 Data File : VN061973.D
 Acq On : 20 Jun 2020 3:39
 Operator : JC/MD
 Sample : L3043-07 20X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT101D2-20200615DL

Quant Time: Jun 22 00:41:35 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

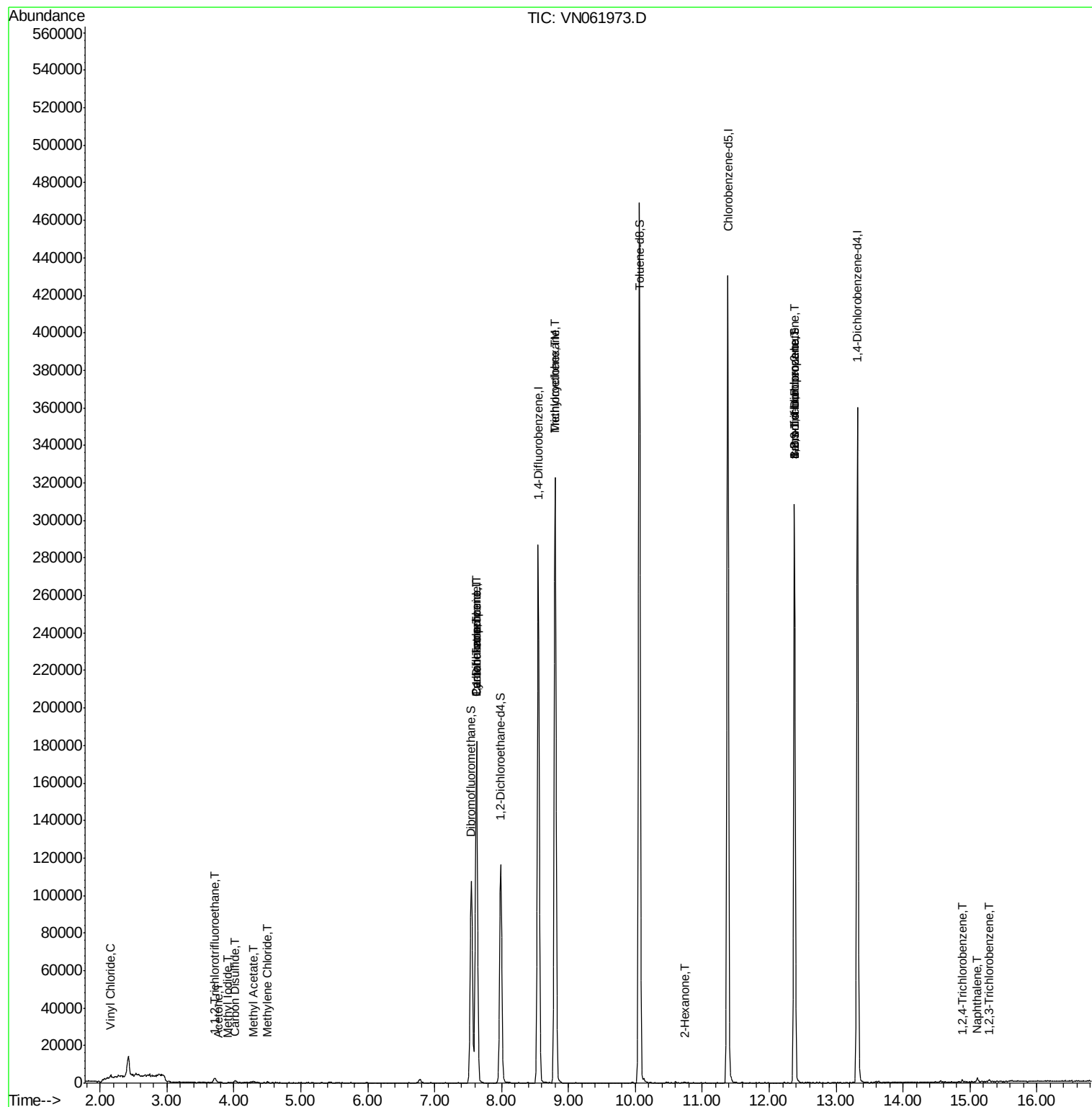
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	144784	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	265995	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	253988	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	98611	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	97175	50.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.08%	
35) Dibromofluoromethane	7.55	113	83324	48.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.94%	
50) Toluene-d8	10.06	98	333298	49.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.64%	
62) 4-Bromofluorobenzene	12.38	95	109622	47.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.54%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.16	62	1363	0.569	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.72	101	1818	1.238	ug/l	95
10) Methyl Iodide	3.91	142	158	5.398	ug/l #	42
16) Acetone	3.77	43	162	0.282	ug/l #	40
17) Carbon Disulfide	4.01	76	1009	0.234	ug/l #	75
18) Methyl Acetate	4.28	43	1219	0.738	ug/l #	46
20) Methylene Chloride	4.50	84	392	0.210	ug/l #	43
31) Cyclohexane	7.63	56	3197	1.249	ug/l #	32
36) 1,1-Dichloropropene	7.62	75	11740	4.839	ug/l #	48
38) Carbon Tetrachloride	7.63	117	14576	6.067	ug/l #	16
39) Methylcyclohexane	8.80	83	1403	0.537	ug/l #	1
44) Trichloroethene	8.80	130	120189	62.139	ug/l	98
59) 2-Hexanone	10.73	43	482	13.709	ug/l #	20
71) Bromoform	12.37	173	680	0.499	ug/l #	1
76) 1,2,3-Trichloropropane	12.37	75	54846	28.330	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.37	75	54846	77.267	ug/l #	14
93) 1,2,4-Trichlorobenzene	14.89	180	479	0.327	ug/l #	79
95) Naphthalene	15.11	128	2700	3.995	ug/l #	75
96) 1,2,3-Trichlorobenzene	15.29	180	578	0.398	ug/l #	83

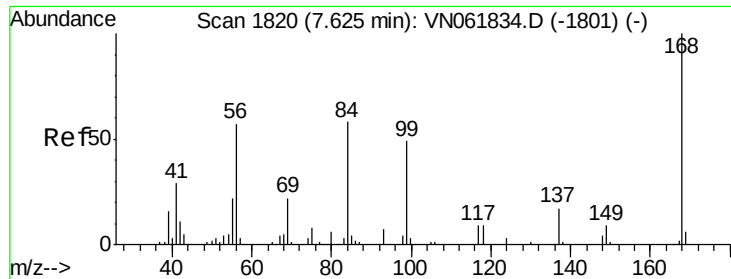
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN061973.D

Acq: 20 Jun 2020 3:39

Instrument :

MSVOA_N

ClientSampleId :

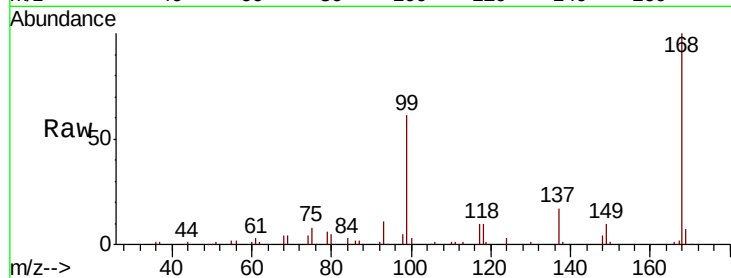
TT101D2-20200615DL

Tot Ion:168 Resp: 144784

Ion Ratio Lower Upper

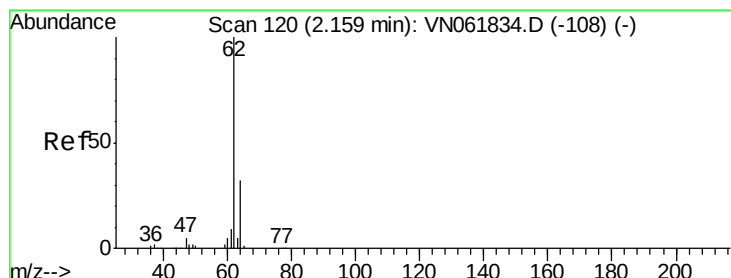
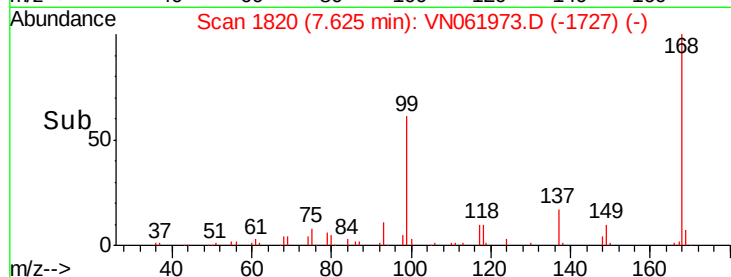
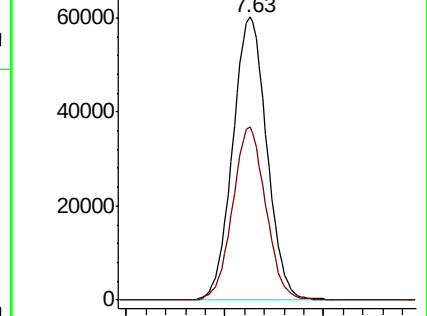
168 100

99 61.1 44.6 67.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#4

Vinyl Chloride

Concen: 0.569 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN061973.D

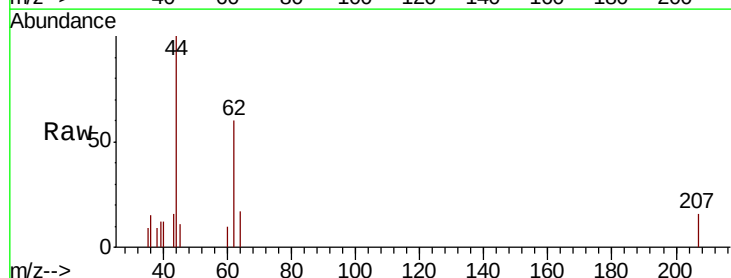
Acq: 20 Jun 2020 3:39

Tgt Ion: 62 Resp: 1363

Ion Ratio Lower Upper

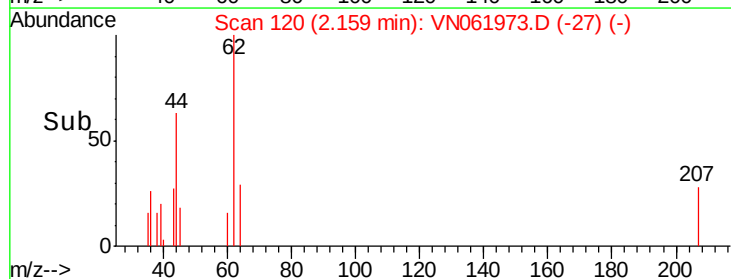
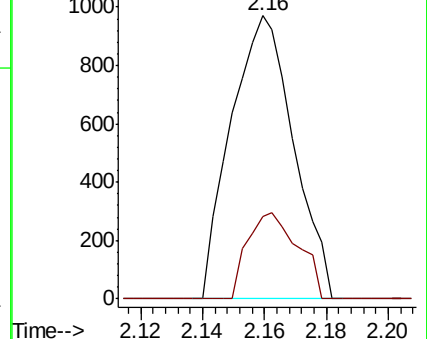
62 100

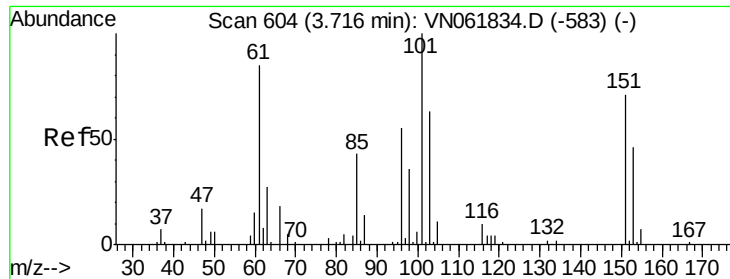
64 29.3 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN

Ion 63.90 (63.60 to 64.60): VN





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.238 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN061973.D

Acq: 20 Jun 2020 3:39

Instrument :

MSVOA_N

ClientSampleId :

TT101D2-20200615DL

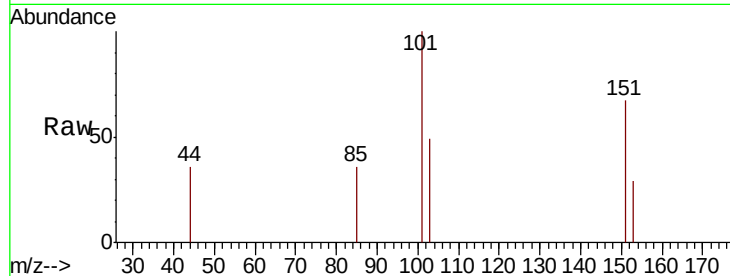
Tot Ion:101 Resp: 1818

Ion Ratio Lower Upper

101 100

85 41.0 35.0 52.6

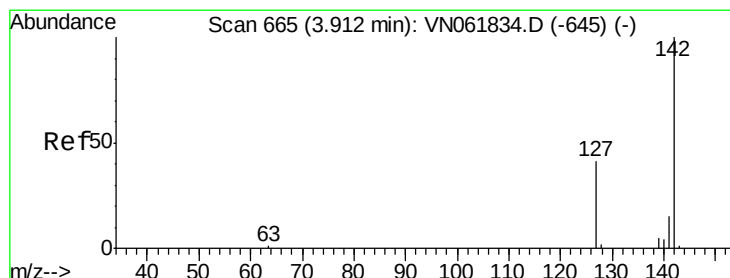
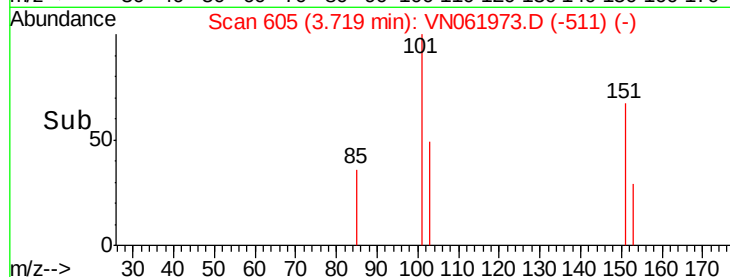
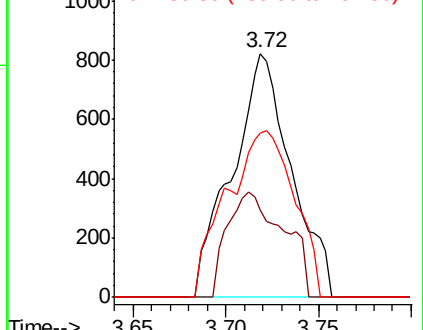
151 78.4 59.2 88.8



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



#10

Methyl Iodide

Concen: 5.398 ug/l

RT: 3.91 min Scan# 664

Delta R.T. -0.00 min

Lab File: VN061973.D

Acq: 20 Jun 2020 3:39

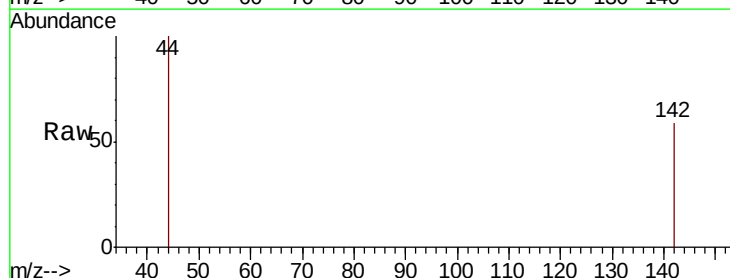
Tgt Ion:142 Resp: 158

Ion Ratio Lower Upper

142 100

127 0.0 33.4 50.0#

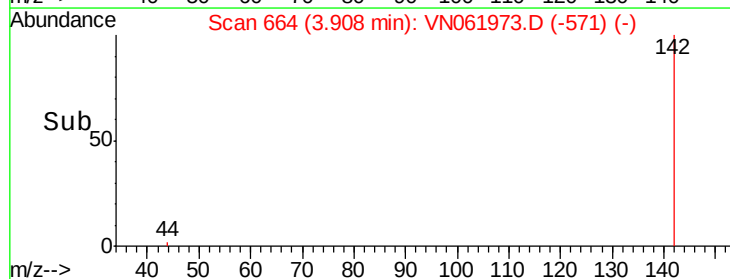
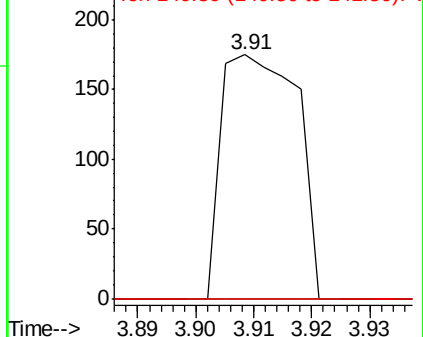
141 0.0 11.3 16.9#

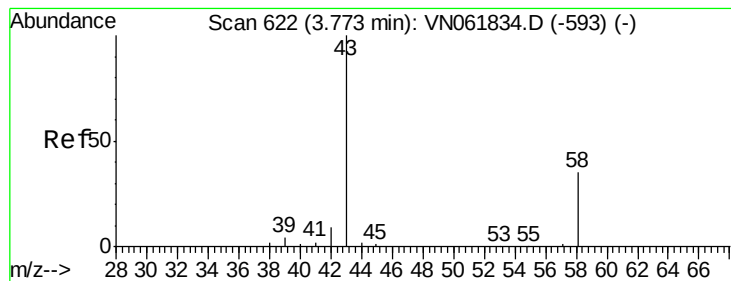


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#16

Acetone

Concen: 0.282 ug/l

RT: 3.77 min Scan# 621

Delta R.T. -0.00 min

Lab File: VN061973.D

Acq: 20 Jun 2020 3:39

Instrument :

MSVOA_N

ClientSampleId :

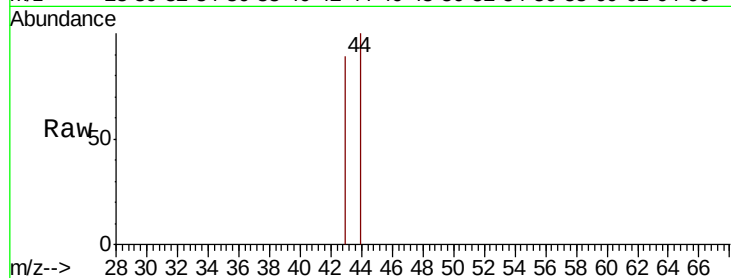
TT101D2-20200615DL

Tot Ion: 43 Resp: 162

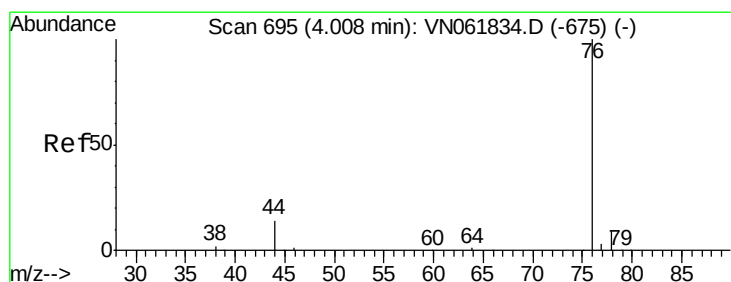
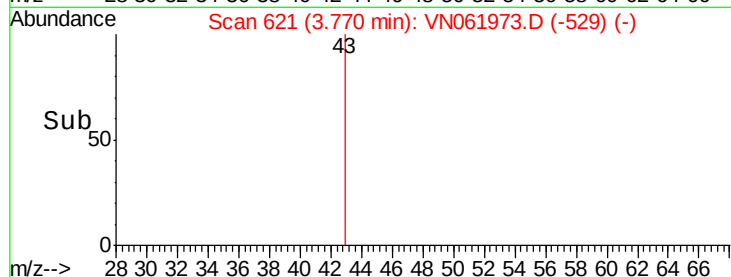
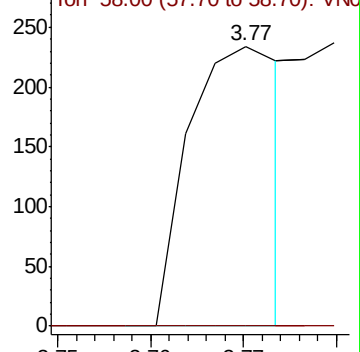
Ion Ratio Lower Upper

43 100

58 0.0 27.8 41.8#



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



#17

Carbon Disulfide

Concen: 0.234 ug/l

RT: 4.01 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN061973.D

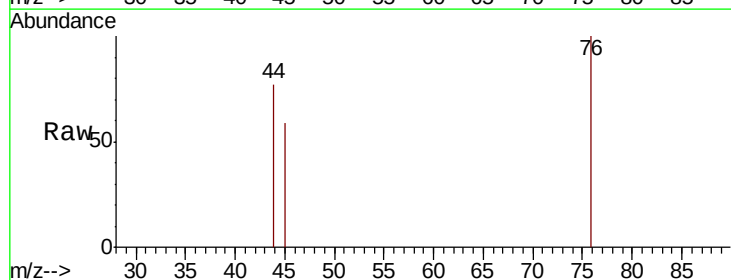
Acq: 20 Jun 2020 3:39

Tgt Ion: 76 Resp: 1009

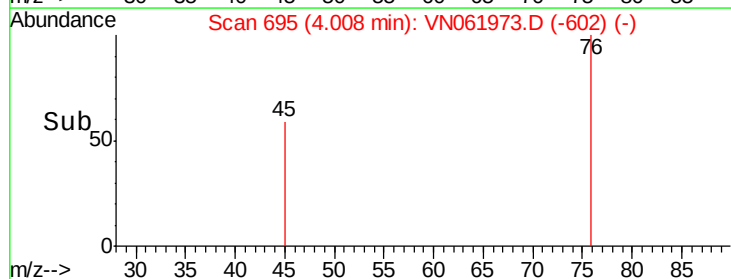
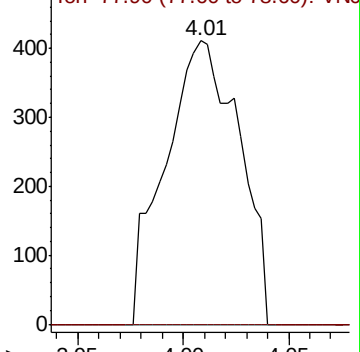
Ion Ratio Lower Upper

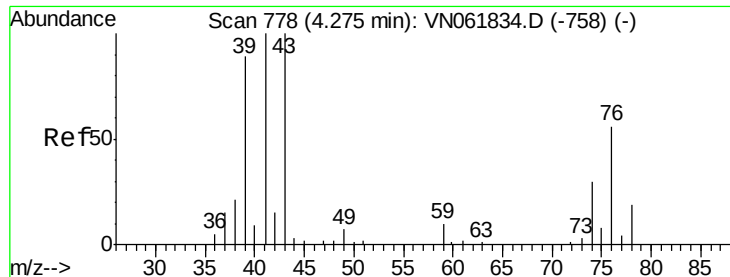
76 100

78 0.0 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VN061834.D (-675) (-)

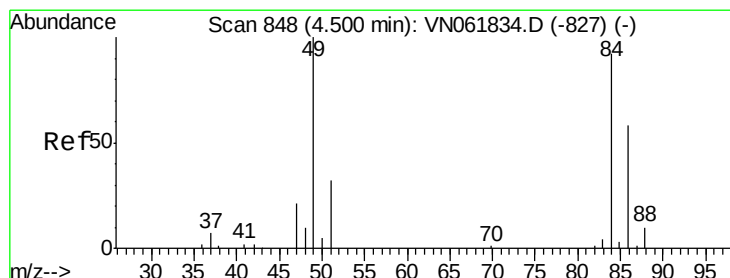
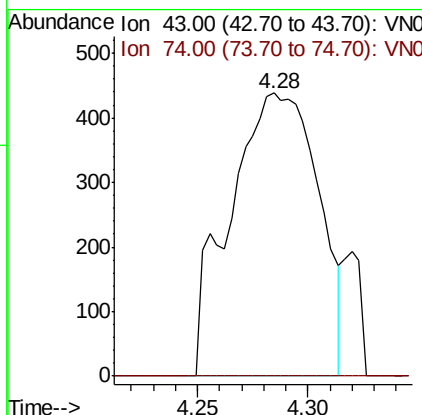
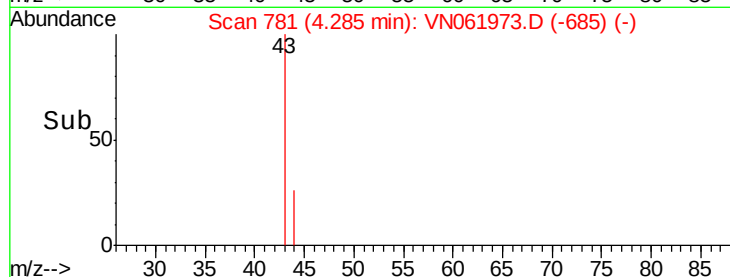
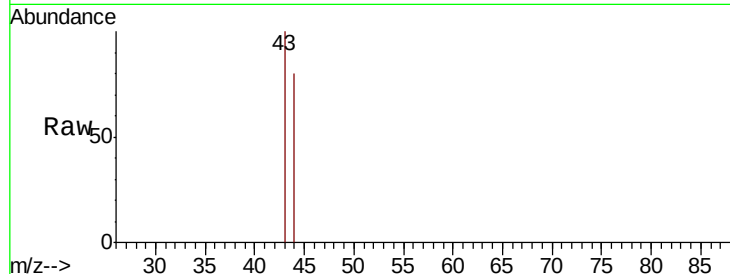




#18
Methyl Acetate
Concen: 0.738 ug/l
RT: 4.28 min Scan# 781
Delta R.T. 0.01 min
Lab File: VN061973.D
Acq: 20 Jun 2020 3:39

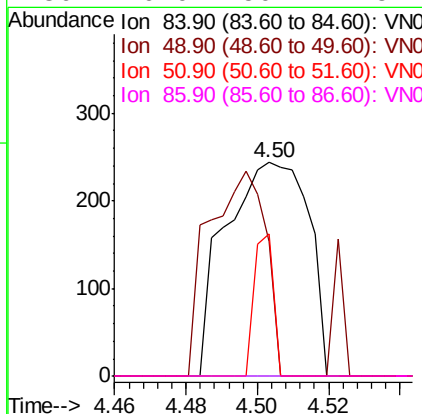
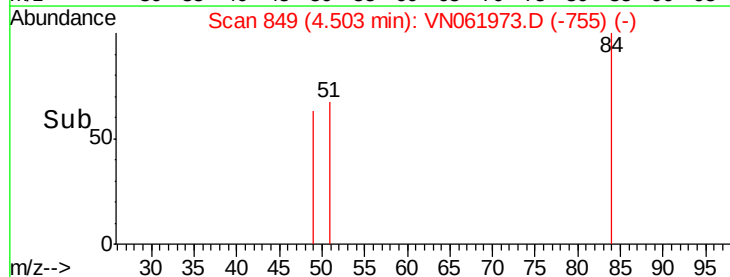
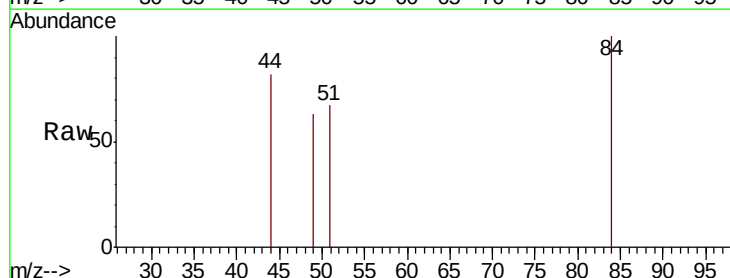
Instrument :
MSVOA_N
ClientSampleId :
TT101D2-20200615DL

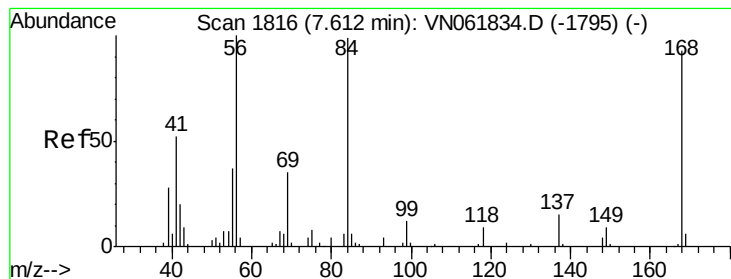
Tot Ion: 43 Resp: 1219
Ion Ratio Lower Upper
43 100
74 0.0 23.0 34.4#



#20
Methylene Chloride
Concen: 0.210 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN061973.D
Acq: 20 Jun 2020 3:39

Tgt Ion: 84 Resp: 392
Ion Ratio Lower Upper
84 100
49 63.1 87.0 130.4#
51 66.8 27.8 41.6#
86 0.0 50.2 75.2#





#31

Cyclohexane

Concen: 1.249 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.02 min

Lab File: VN061973.D

Acq: 20 Jun 2020 3:39

Instrument :

MSVOA_N

ClientSampleId :

TT101D2-20200615DL

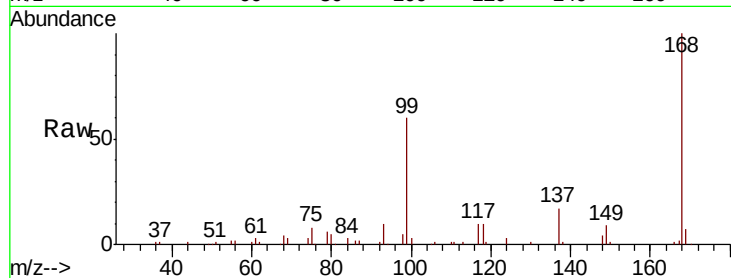
Tot Ion: 56 Resp: 3197

Ion Ratio Lower Upper

56 100

69 142.5 27.7 41.5#

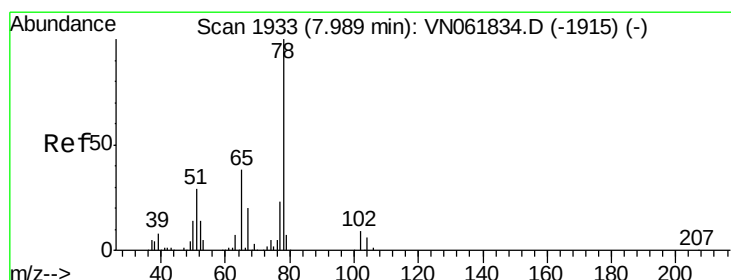
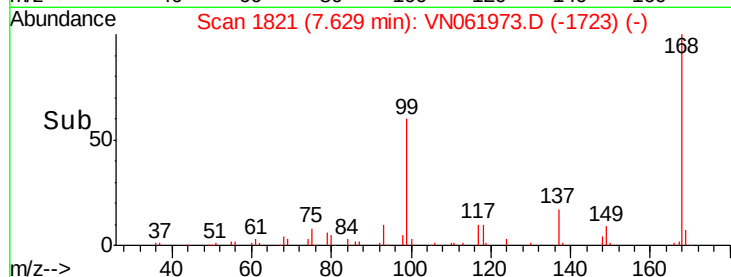
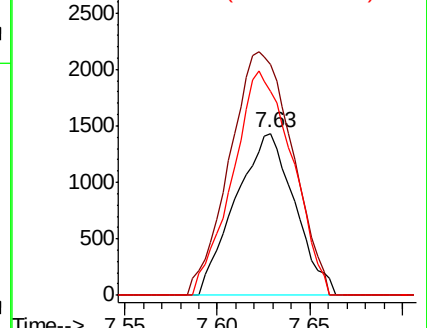
84 125.7 79.1 118.7#



Abundance Ion 56.00 (55.70 to 56.70): VN061834.D (-1795) (-)

Ion 69.00 (68.70 to 69.70): VN061834.D (-1795) (-)

Ion 84.00 (83.70 to 84.70): VN061834.D (-1795) (-)



#33

1,2-Dichloroethane-d4

Concen: 50.045 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN061973.D

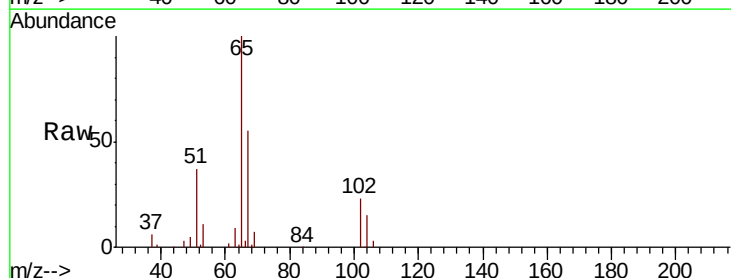
Acq: 20 Jun 2020 3:39

Tgt Ion: 65 Resp: 97175

Ion Ratio Lower Upper

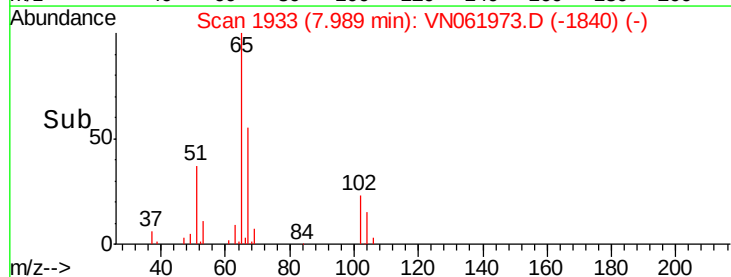
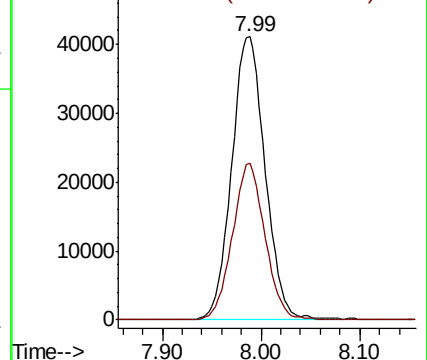
65 100

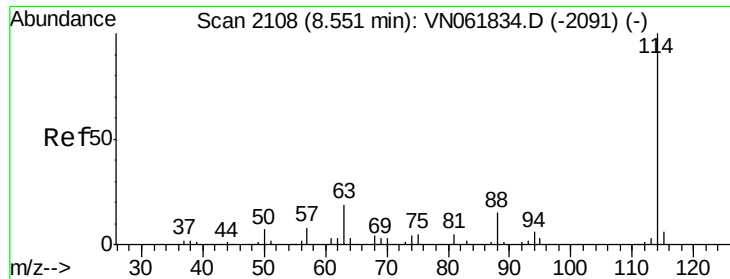
67 53.7 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VN061834.D (-1915) (-)

Ion 66.90 (66.60 to 67.60): VN061834.D (-1915) (-)

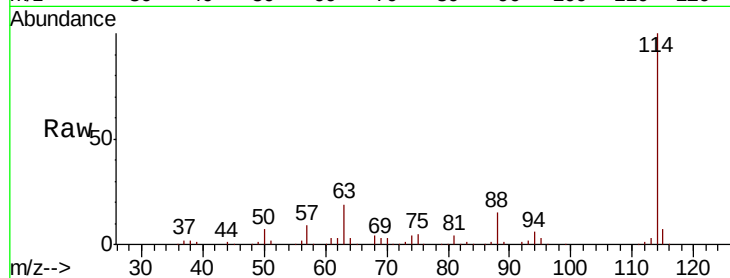




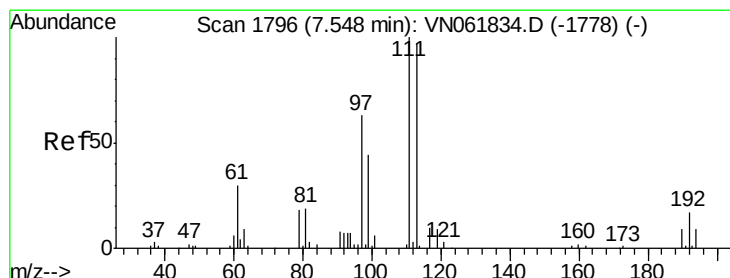
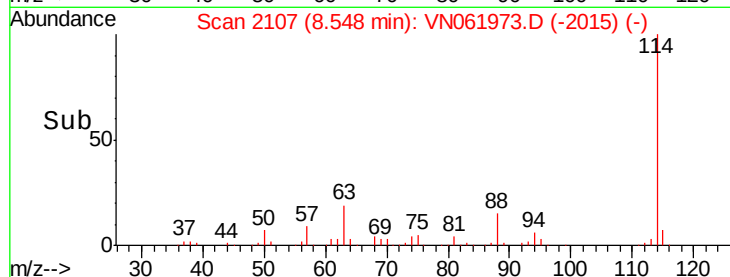
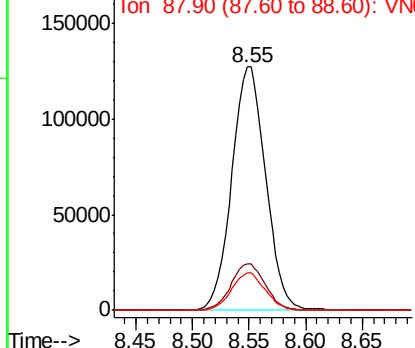
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2107
Delta R.T. -0.00 min
Lab File: VN061973.D
Acq: 20 Jun 2020 3:39

Instrument :
MSVOA_N
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TT101D2-20200615DL

Tot Ion:114 Resp: 265995
Ion Ratio Lower Upper
114 100
63 19.0 0.0 37.6
88 15.3 0.0 31.0

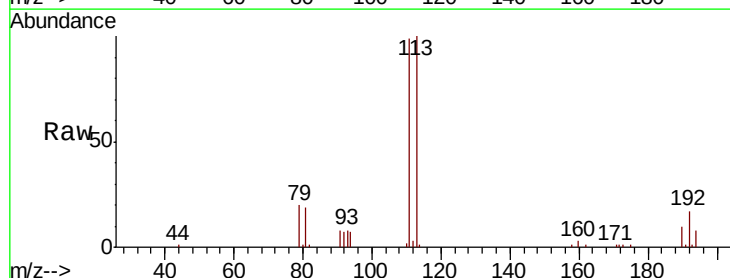


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

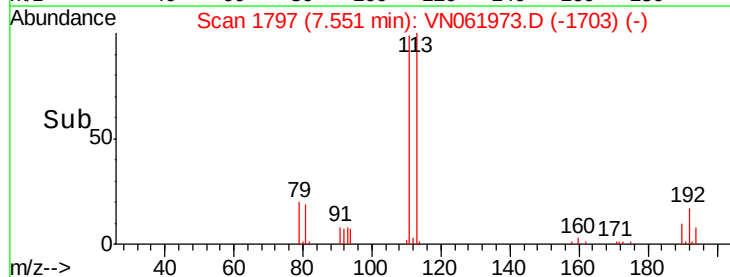
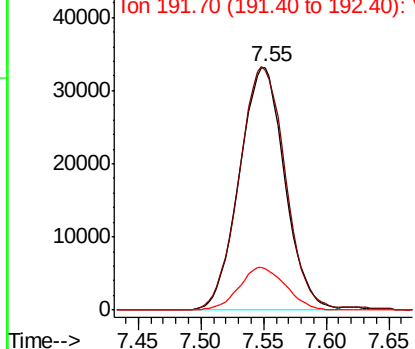


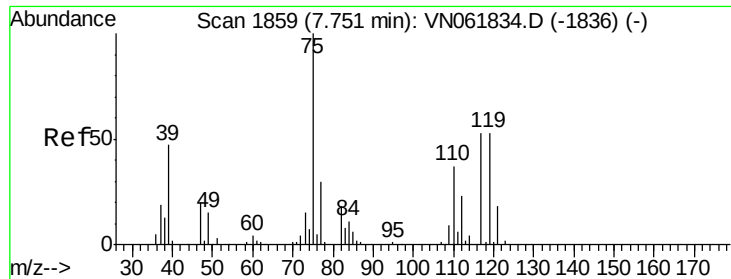
#35
Dibromofluoromethane
Concen: 48.965 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VN061973.D
Acq: 20 Jun 2020 3:39

Tgt Ion:113 Resp: 83324
Ion Ratio Lower Upper
113 100
111 102.8 83.7 125.5
192 18.0 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

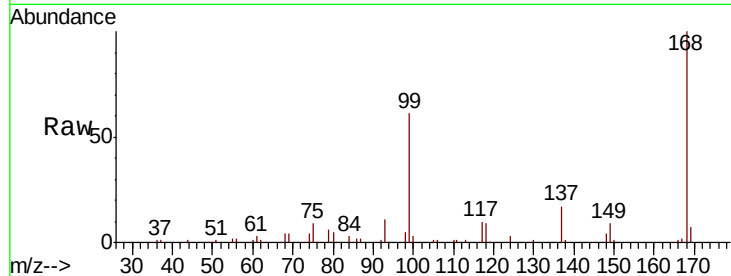




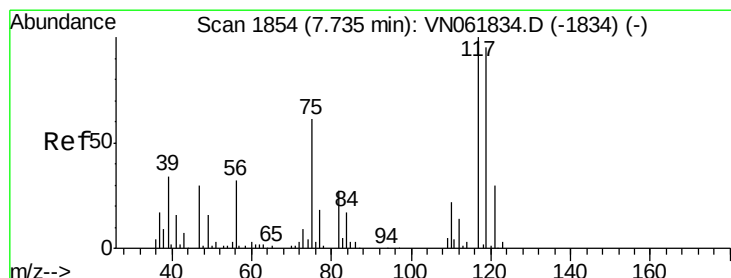
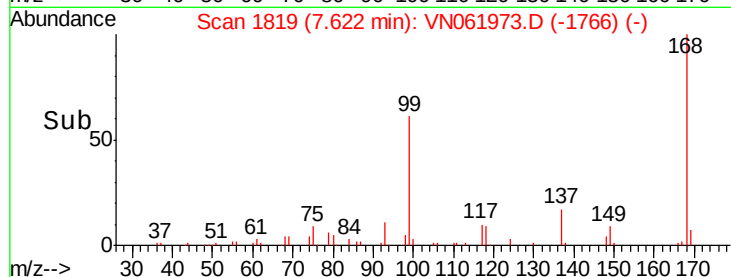
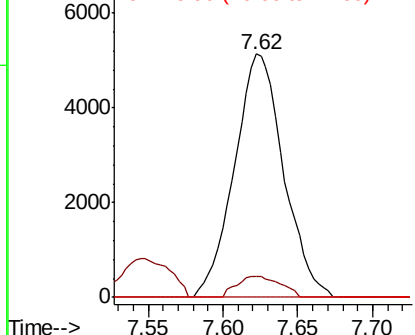
#36
 1,1-Dichloropropene
 Concen: 4.839 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.13 min
 Lab File: VN061973.D
 Acq: 20 Jun 2020 3:39

Instrument :
 MSVOA_N
 ClientSampleId :
 TT101D2-20200615DL

Tot Ion: 75 Resp: 11740
 Ion Ratio Lower Upper
 75 100
 110 7.6 18.2 54.6#
 77 0.0 24.2 36.4#

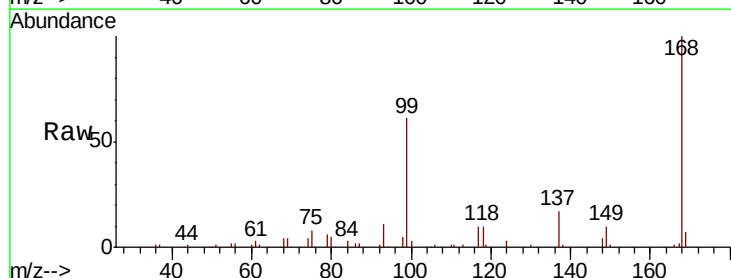


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

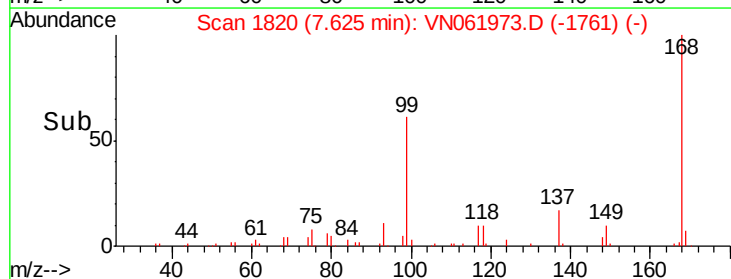
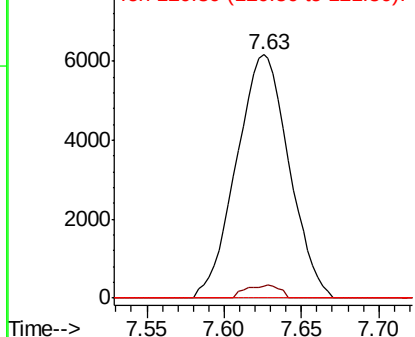


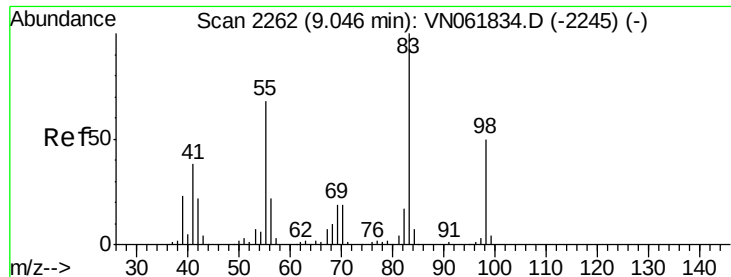
#38
 Carbon Tetrachloride
 Concen: 6.067 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.11 min
 Lab File: VN061973.D
 Acq: 20 Jun 2020 3:39

Tgt Ion: 117 Resp: 14576
 Ion Ratio Lower Upper
 117 100
 119 4.9 75.8 113.6#
 121 0.0 23.8 35.6#



Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 118.80 (118.50 to 119.50): V
 Ion 120.80 (120.50 to 121.50): V

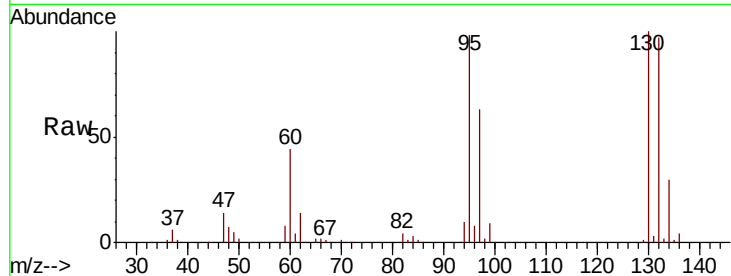




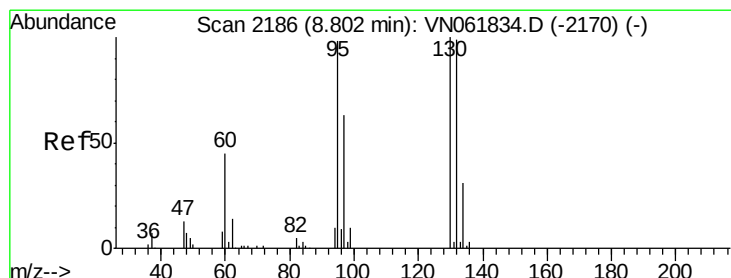
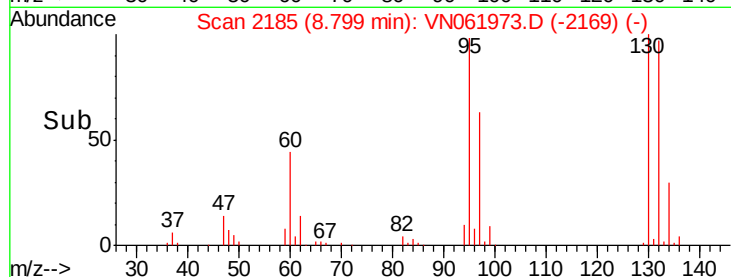
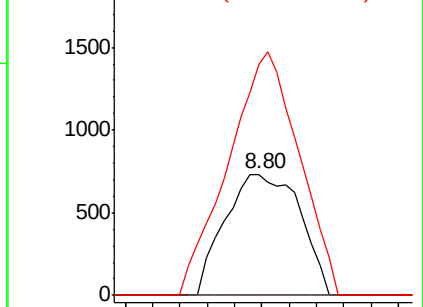
#39
Methylvlcyclohexane
Concen: 0.537 ug/l
RT: 8.80 min Scan# 2185
Delta R.T. -0.25 min
Lab File: VN061973.D
Acq: 20 Jun 2020 3:39

Instrument :
MSVOA_N
ClientSampleId :
TT101D2-20200615DL

Tot Ion: 83 Resp: 1403
Ion Ratio Lower Upper
83 100
55 0.0 54.2 81.4#
98 190.1 39.8 59.6#

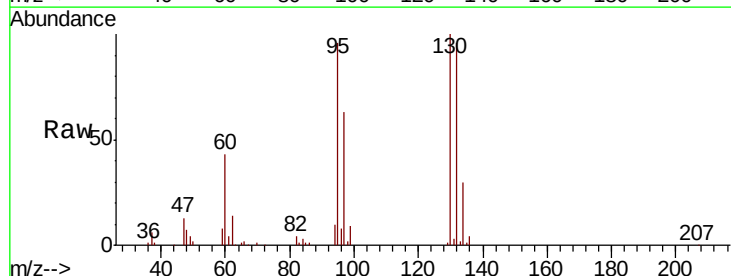


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

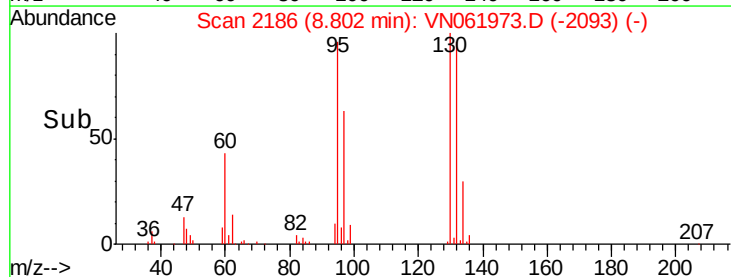
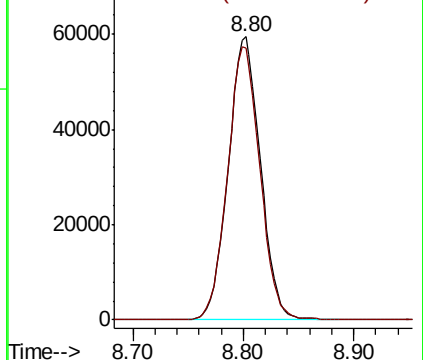


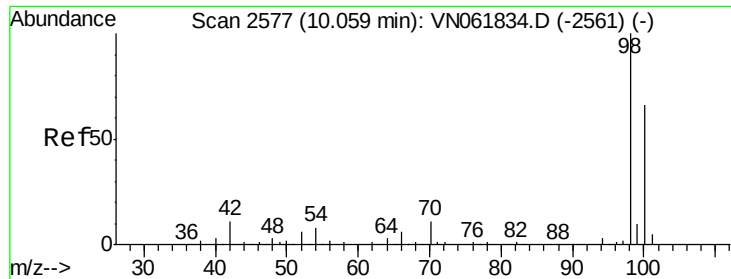
#44
Trichloroethene
Concen: 62.139 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. 0.00 min
Lab File: VN061973.D
Acq: 20 Jun 2020 3:39

Tgt Ion:130 Resp: 120189
Ion Ratio Lower Upper
130 100
95 96.0 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: 49.820 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN061973.D

Acq: 20 Jun 2020 3:39

Instrument :

MSVOA_N

ClientSampleId :

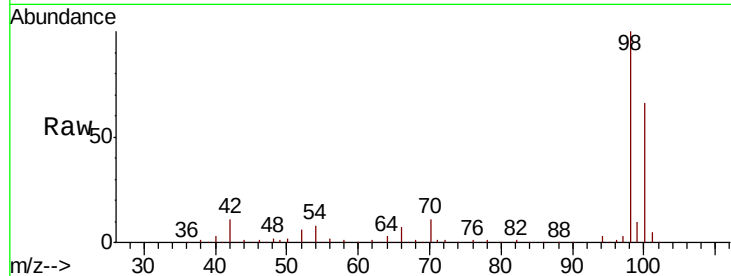
TT101D2-20200615DL

Tot Ion: 98 Resp: 333298

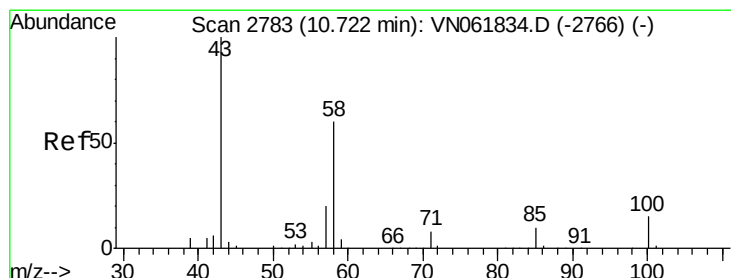
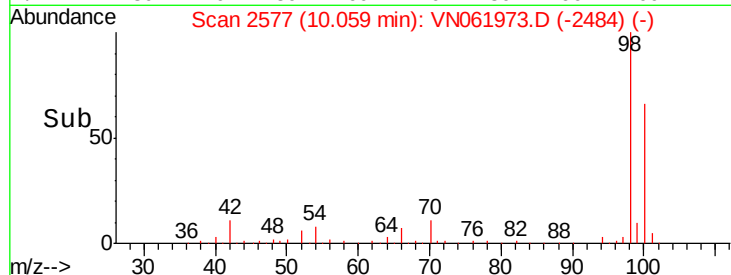
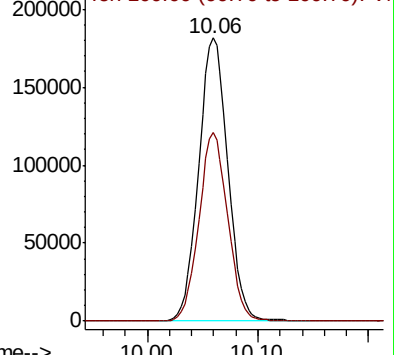
Ion Ratio Lower Upper

98 100

100 65.7 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VN061834.D (-2561) (-)



#59

2-Hexanone

Concen: 13.709 ug/l

RT: 10.73 min Scan# 2787

Delta R.T. 0.01 min

Lab File: VN061973.D

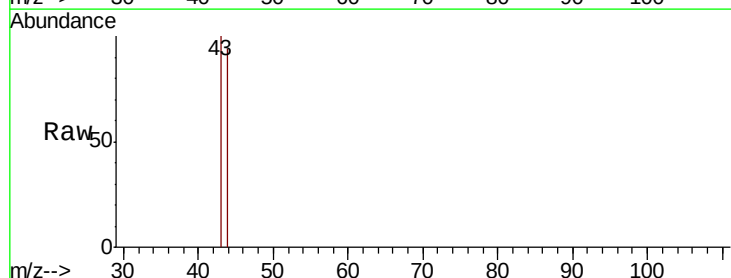
Acq: 20 Jun 2020 3:39

Tgt Ion: 43 Resp: 482

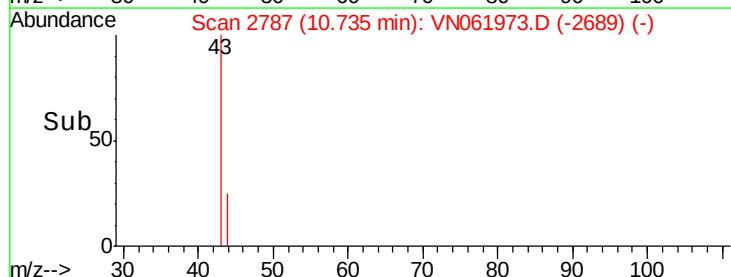
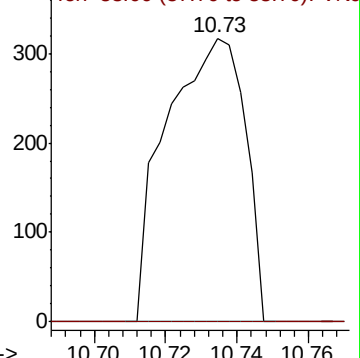
Ion Ratio Lower Upper

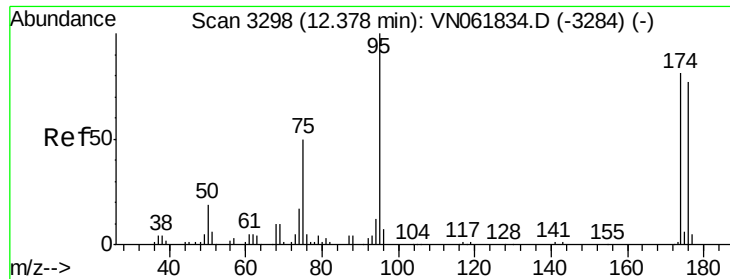
43 100

58 0.0 30.1 90.5#



Abundance Ion 43.00 (42.70 to 43.70): VN061834.D (-2766) (-)

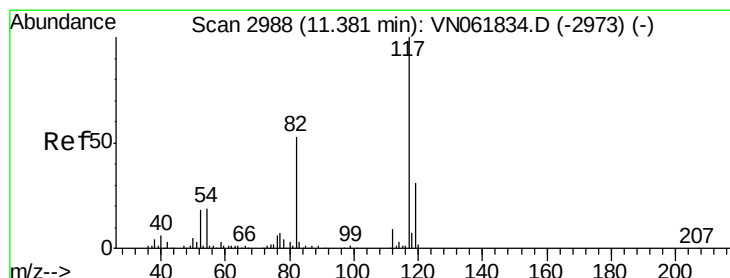
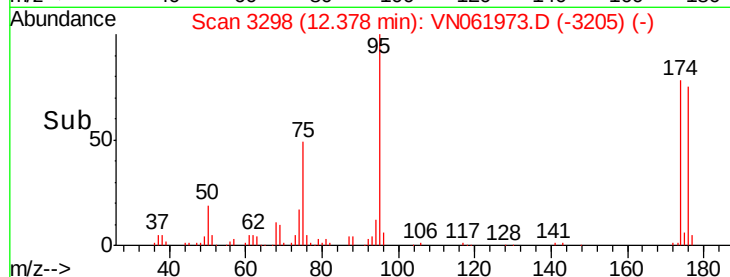
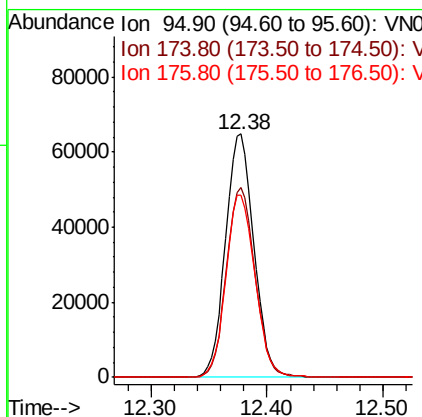
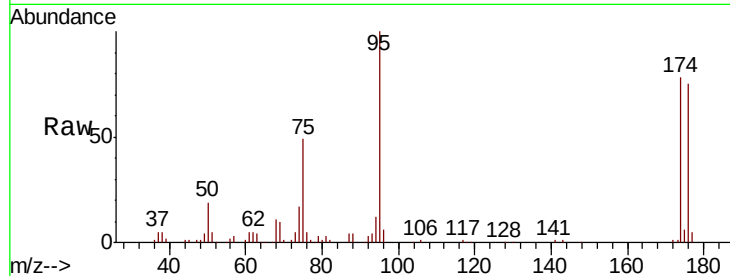




#62
 4-Bromofluorobenzene
 Concen: 47.770 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VN061973.D
 Acq: 20 Jun 2020 3:39

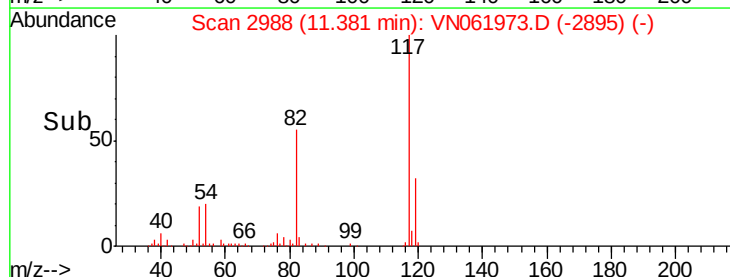
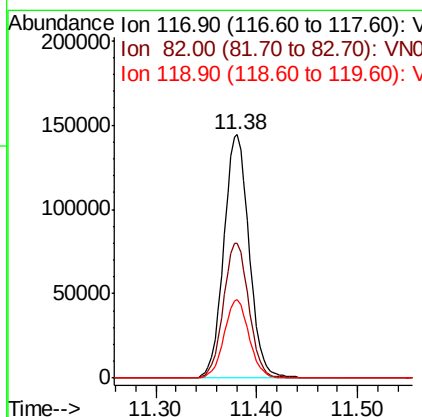
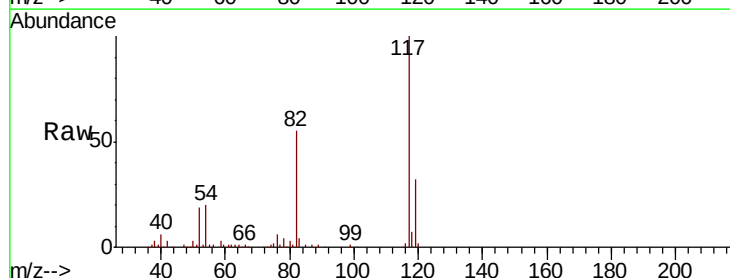
Instrument :
 MSVOA_N
 ClientSampleId :
 TT101D2-20200615DL

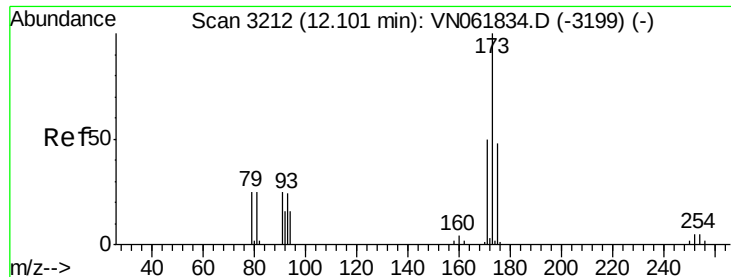
Tot Ion: 95 Resp: 109622
 Ion Ratio Lower Upper
 95 100
 174 78.7 0.0 158.6
 176 76.5 0.0 152.0



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.38 min Scan# 2988
 Delta R.T. 0.00 min
 Lab File: VN061973.D
 Acq: 20 Jun 2020 3:39

Tgt Ion: 117 Resp: 253988
 Ion Ratio Lower Upper
 117 100
 82 55.2 42.6 64.0
 119 32.2 24.7 37.1





#71

Bromoform

Concen: 0.499 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. 0.27 min

Lab File: VN061973.D

Acq: 20 Jun 2020 3:39

Instrument :

MSVOA_N

ClientSampleId :

TT101D2-20200615DL

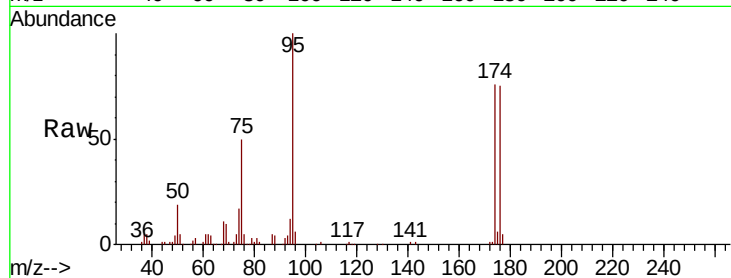
Tot Ion:173 Resp: 680

Ion Ratio Lower Upper

173 100

175 814.3 23.9 71.7#

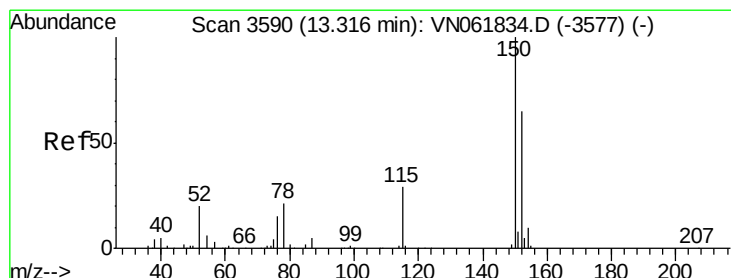
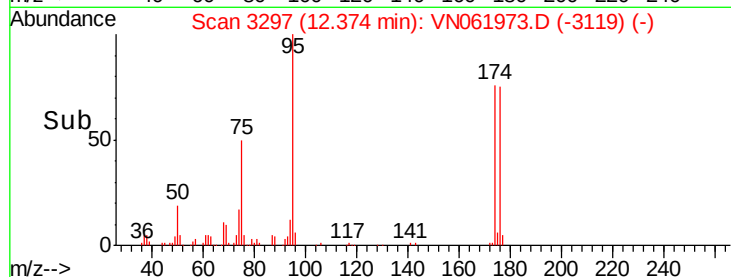
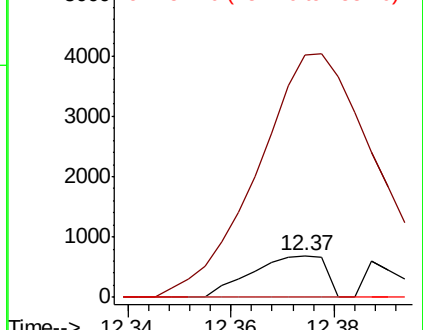
254 0.0 0.0 0.0



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: VN061973.D

Acq: 20 Jun 2020 3:39

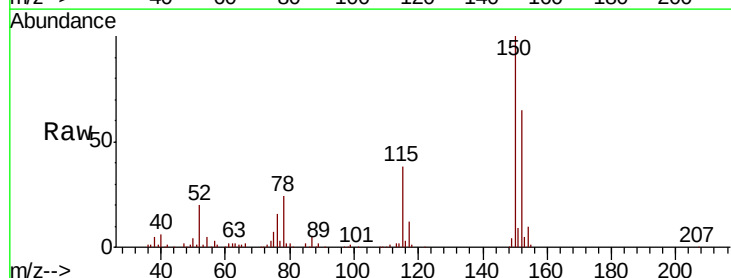
Tgt Ion:152 Resp: 98611

Ion Ratio Lower Upper

152 100

115 58.8 29.1 87.3

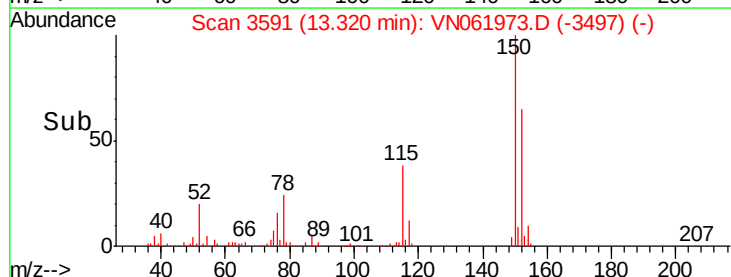
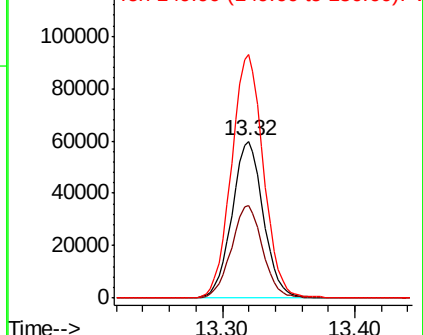
150 158.3 0.0 347.6

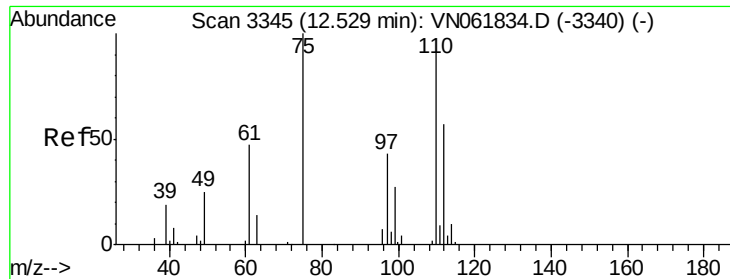


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 28.330 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. -0.15 min

Lab File: VN061973.D

Acq: 20 Jun 2020 3:39

Instrument :

MSVOA_N

ClientSampleId :

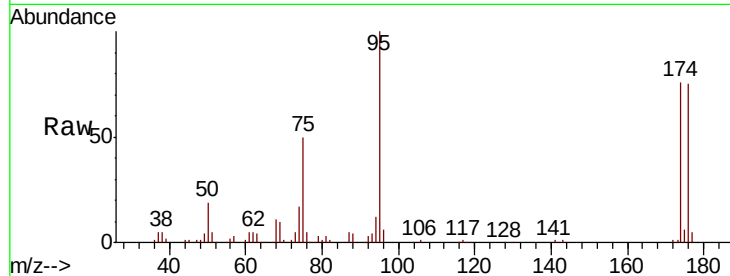
TT101D2-20200615DL

Tot Ion: 75 Resp: 54846

Ion Ratio Lower Upper

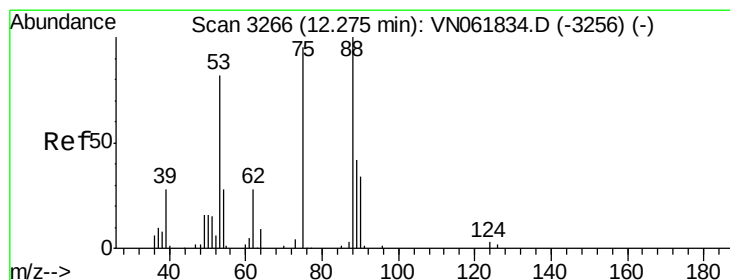
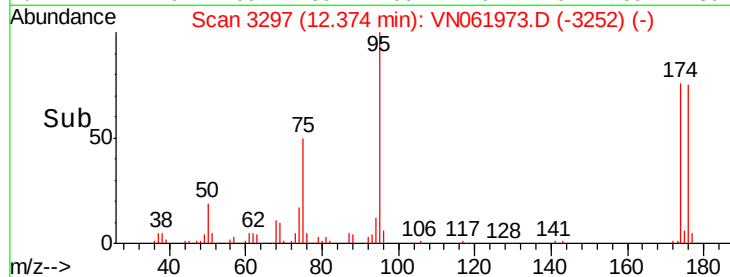
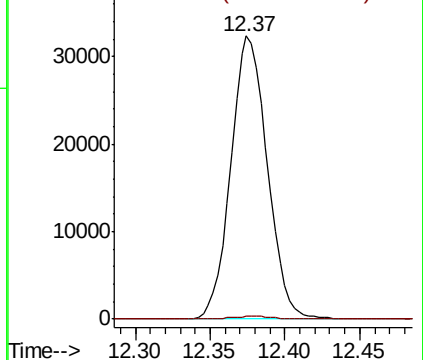
75 100

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: 77.267 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. 0.10 min

Lab File: VN061973.D

Acq: 20 Jun 2020 3:39

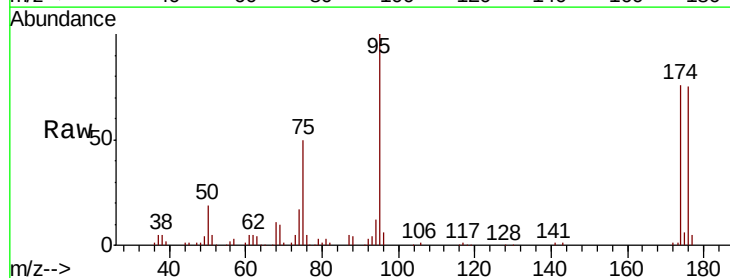
Tgt Ion: 75 Resp: 54846

Ion Ratio Lower Upper

75 100

53 0.0 70.4 105.6#

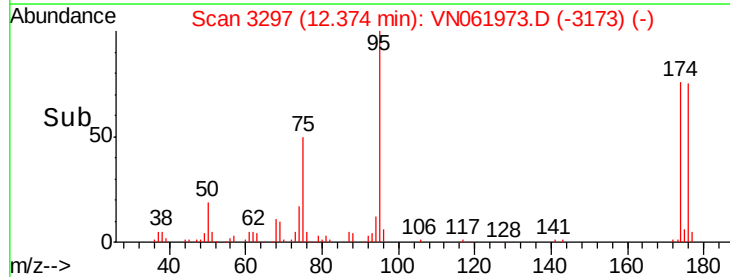
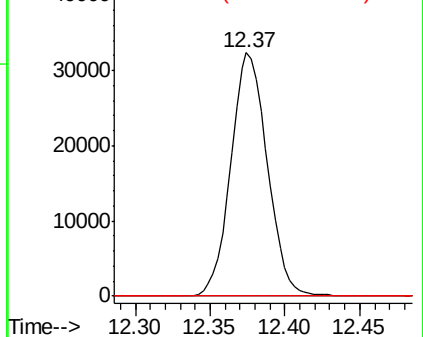
89 0.0 36.0 54.0#

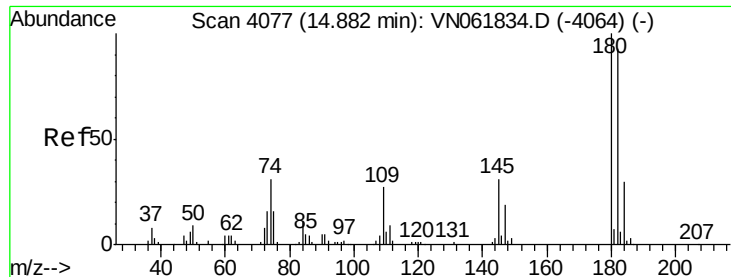


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

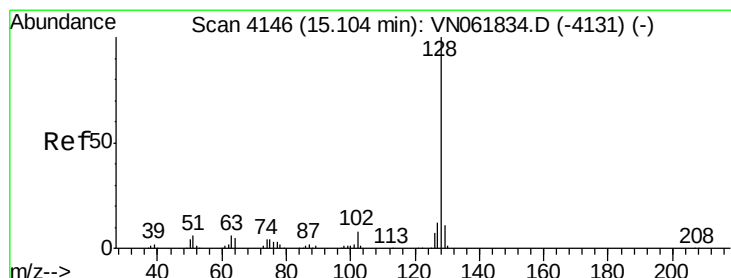
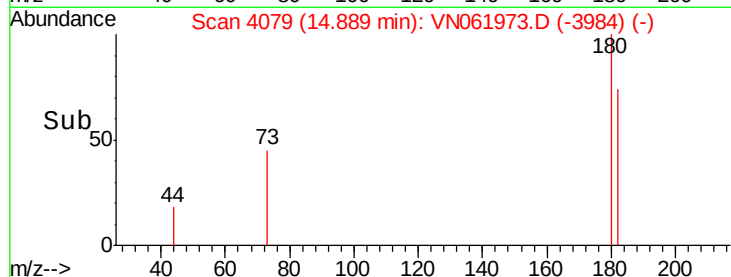
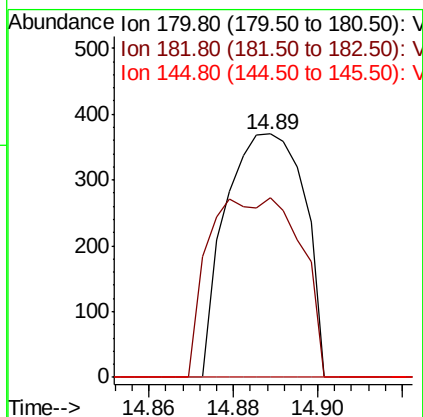
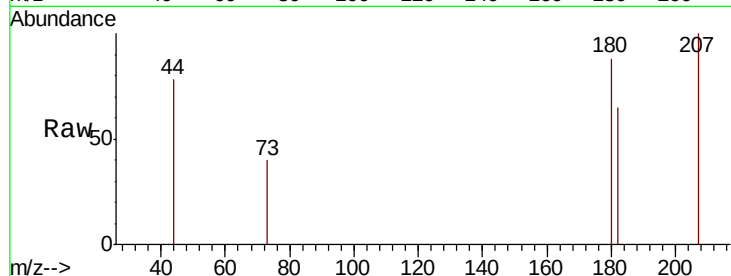




#93
 1,2,4-Trichlorobenzene
 Concen: 0.327 ug/l
 RT: 14.89 min Scan# 4079
 Delta R.T. 0.01 min
 Lab File: VN061973.D
 Acq: 20 Jun 2020 3:39

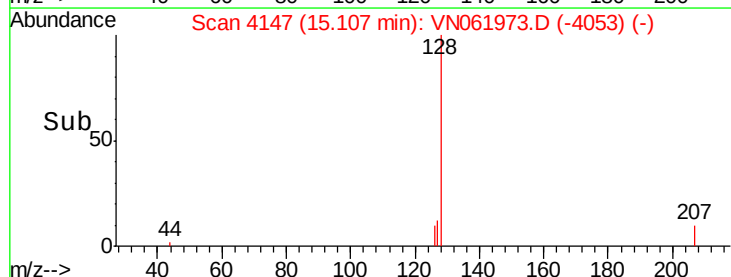
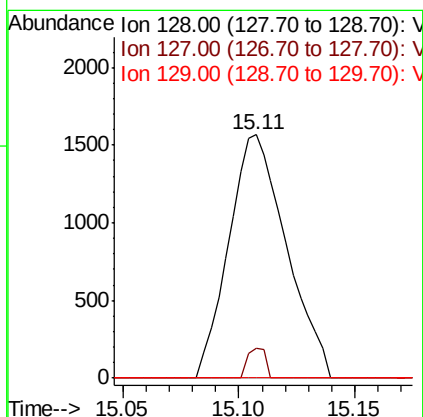
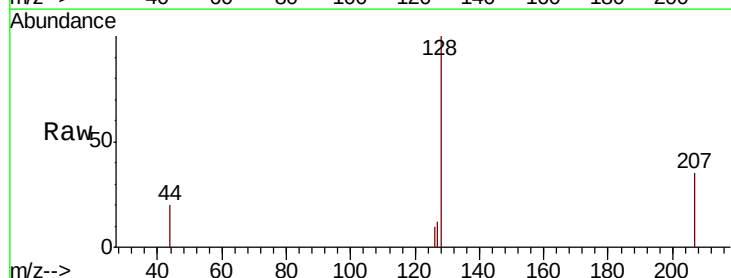
Instrument :
 MSVOA_N
 ClientSampleId :
 TT101D2-20200615DL

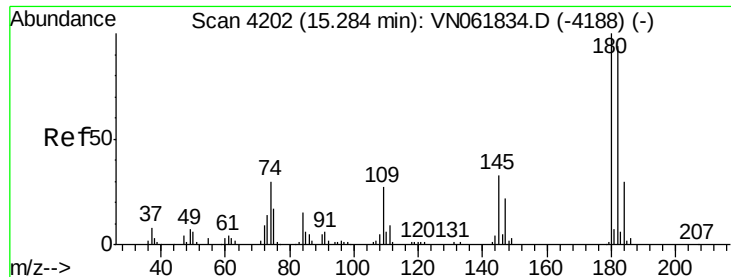
Tot Ion:180 Resp: 479
 Ion Ratio Lower Upper
 180 100
 182 85.6 47.0 141.2
 145 0.0 15.8 47.3#



#95
 Naphthalene
 Concen: 3.995 ug/l
 RT: 15.11 min Scan# 4147
 Delta R.T. 0.00 min
 Lab File: VN061973.D
 Acq: 20 Jun 2020 3:39

Tgt Ion:128 Resp: 2700
 Ion Ratio Lower Upper
 128 100
 127 3.8 10.3 15.5#
 129 0.0 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.398 ug/l
 RT: 15.29 min Scan# 4203
 Delta R.T. 0.00 min
 Lab File: VN061973.D
 Acq: 20 Jun 2020 3:39

Instrument :
 MSVOA_N
 ClientSampleId :
 TT101D2-20200615DL

Tot Ion	Ratio	Lower	Upper
180	100		
182	87.2	47.9	143.6
145	10.7	16.5	49.5

