

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061920\
 Data File : VN061970.D
 Acq On : 20 Jun 2020 1:22
 Operator : JC/MD
 Sample : VN0619WBL02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBL02

Quant Time: Jun 22 00:39:56 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	149328	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	276390	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	264259	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	101130	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	102027	50.94	ug/l	0.00
Spiked Amount			Recovery	=	101.88%	
35) Dibromofluoromethane	7.55	113	87942	49.74	ug/l	0.00
Spiked Amount			Recovery	=	99.48%	
50) Toluene-d8	10.06	98	342245	49.23	ug/l	0.00
Spiked Amount			Recovery	=	98.46%	
62) 4-Bromofluorobenzene	12.38	95	113560	47.62	ug/l	0.00
Spiked Amount			Recovery	=	95.24%	

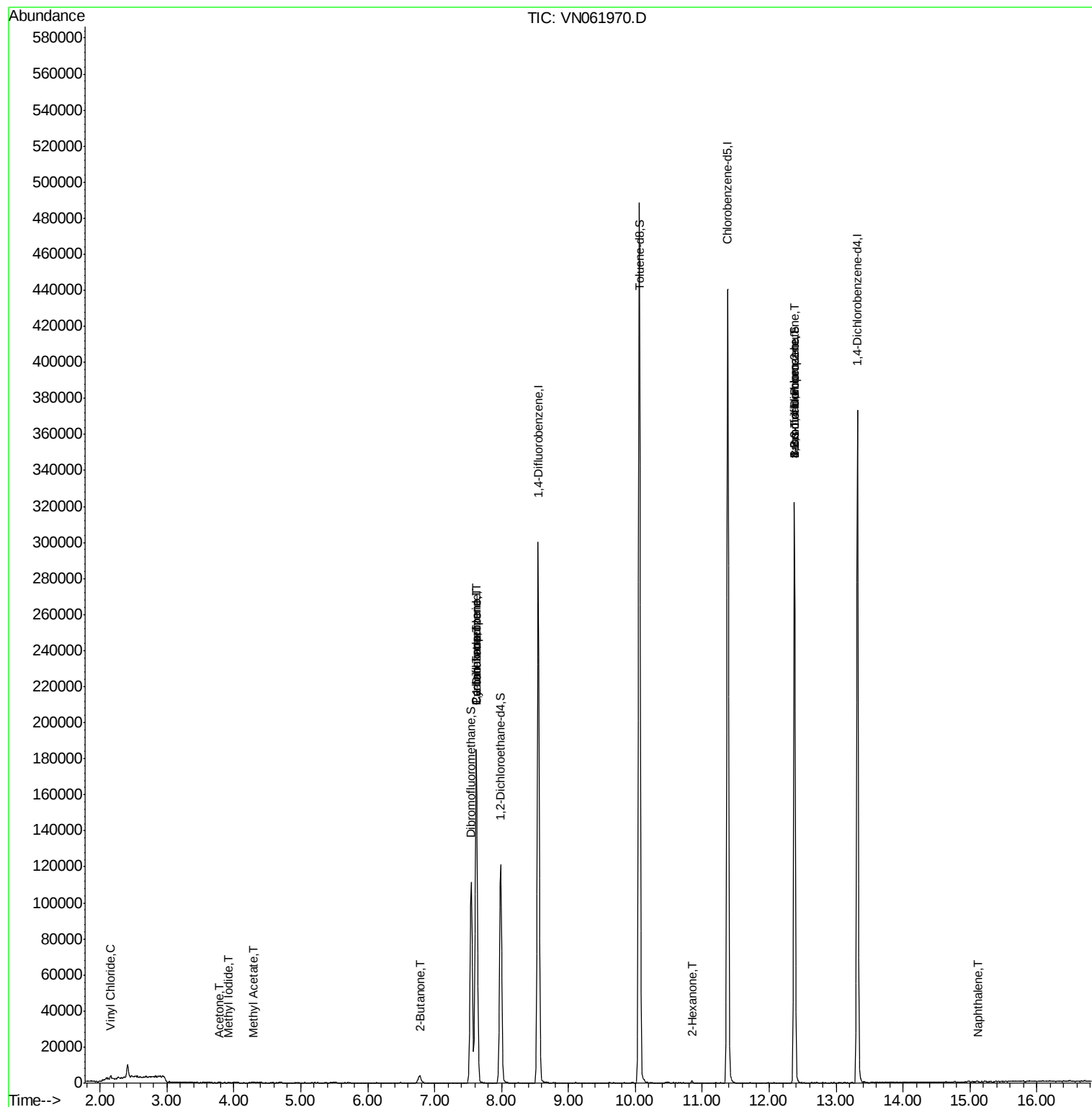
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.16	62	1541	0.624	ug/l	96
10) Methyl Iodide	3.91	142	31	5.334	ug/l #	42
16) Acetone	3.78	43	178	0.301	ug/l #	40
18) Methyl Acetate	4.28	43	365	0.214	ug/l #	46
25) 2-Butanone	6.79	43	191	0.221	ug/l #	44
31) Cyclohexane	7.62	56	3139	1.189	ug/l #	25
36) 1,1-Dichloropropene	7.62	75	11593	4.599	ug/l #	50
38) Carbon Tetrachloride	7.63	117	14766	5.915	ug/l #	17
59) 2-Hexanone	10.84	43	30	13.425	ug/l #	20
71) Bromoform	12.37	173	387	0.273	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	56712	28.564	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	56712	77.906	ug/l #	14
95) Naphthalene	15.11	128	481	3.572	ug/l #	69

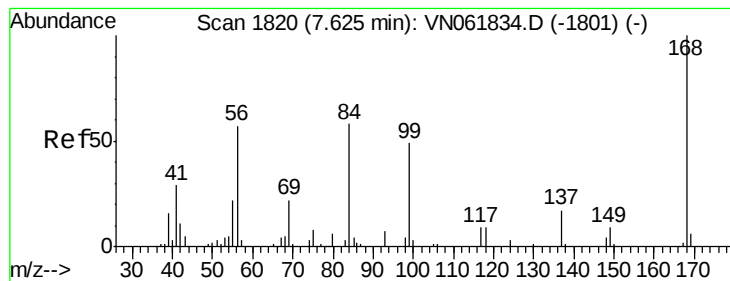
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN061970.D

Acq: 20 Jun 2020 1:22

Instrument :

MSVOA_N

ClientSampled :

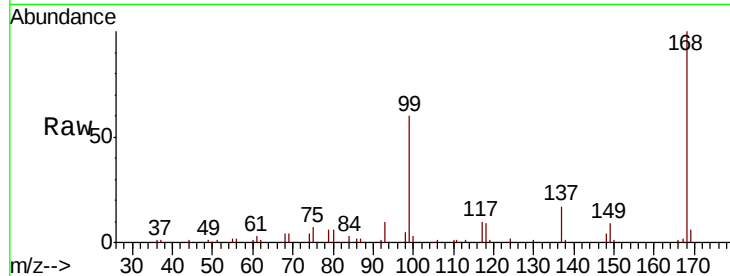
VN0619WBL02

Tot Ion:168 Resp: 149328

Ion Ratio Lower Upper

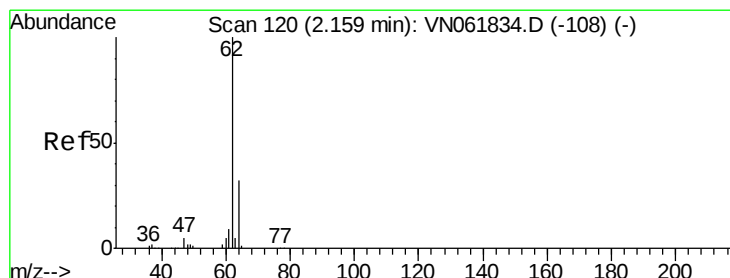
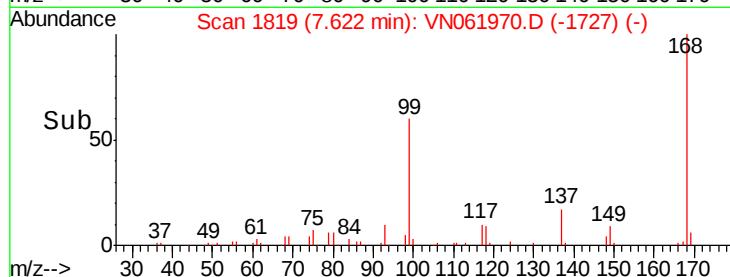
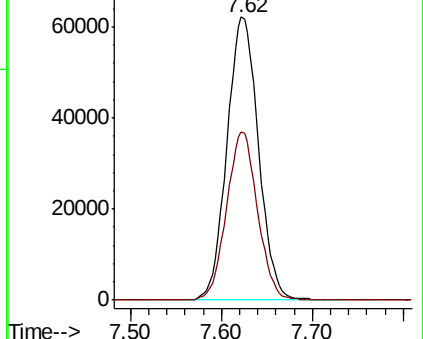
168 100

99 59.6 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: 0.624 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN061970.D

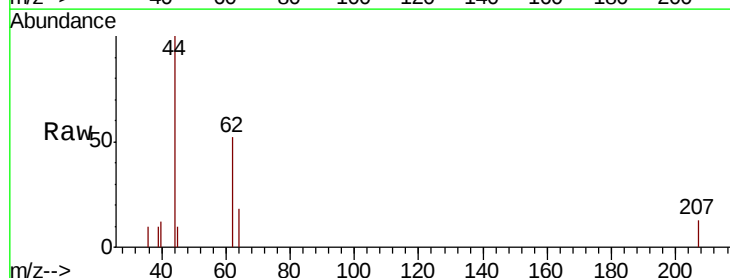
Acq: 20 Jun 2020 1:22

Tgt Ion: 62 Resp: 1541

Ion Ratio Lower Upper

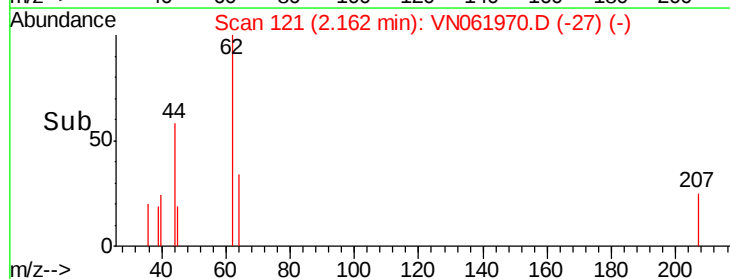
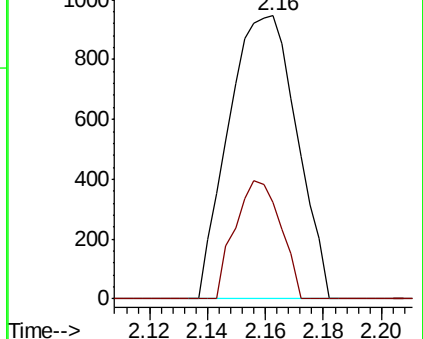
62 100

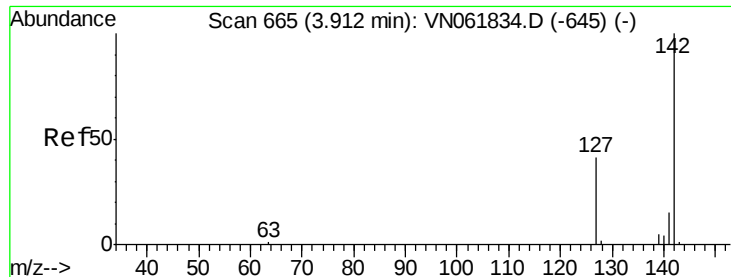
64 34.0 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN

Ion 63.90 (63.60 to 64.60): VN

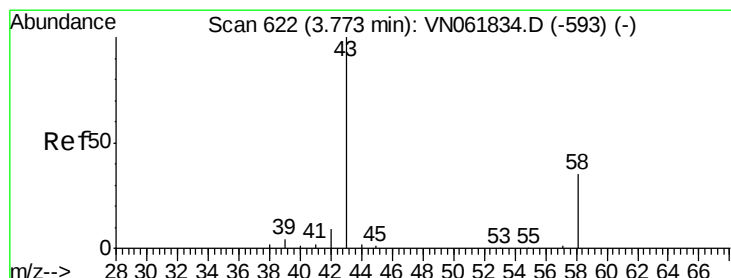
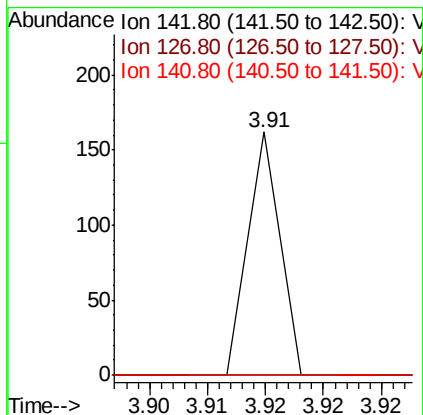
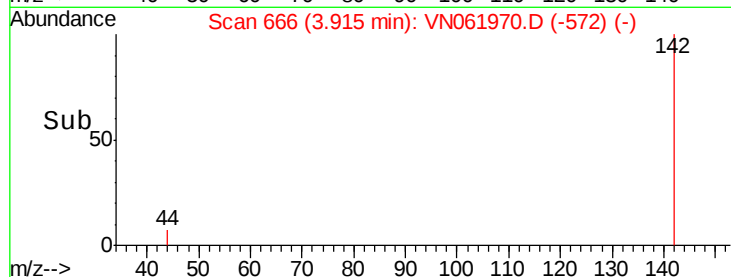
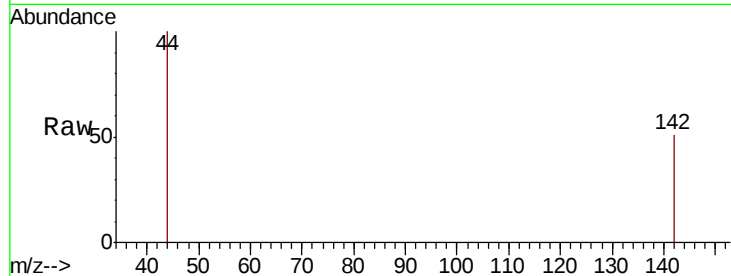




#10
Methyl Iodide
Concen: 5.334 ug/l
RT: 3.91 min Scan# 666
Delta R.T. 0.00 min
Lab File: VN061970.D
Acq: 20 Jun 2020 1:22

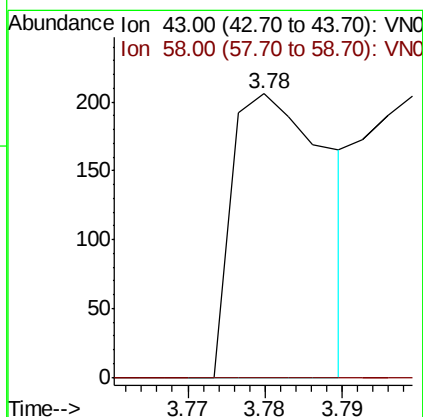
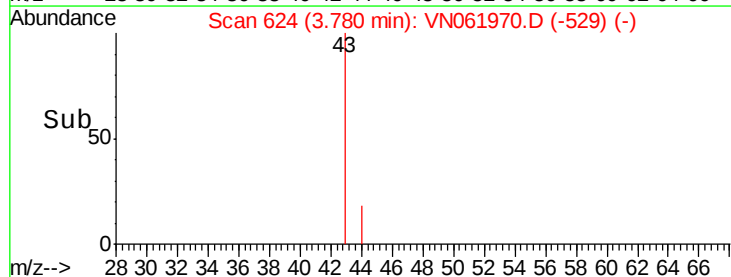
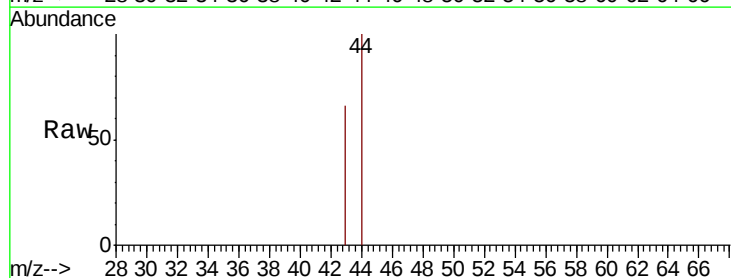
Instrument :
MSVOA_N
ClientSampleId :
VN0619WBL02

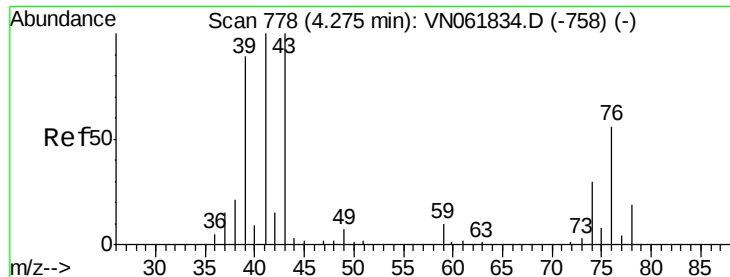
Tot Ion: 142 Resp: 31
Ion Ratio Lower Upper
142 100
127 0.0 33.4 50.0#
141 0.0 11.3 16.9#



#16
Acetone
Concen: 0.301 ug/l
RT: 3.78 min Scan# 624
Delta R.T. 0.01 min
Lab File: VN061970.D
Acq: 20 Jun 2020 1:22

Tgt Ion: 43 Resp: 178
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#

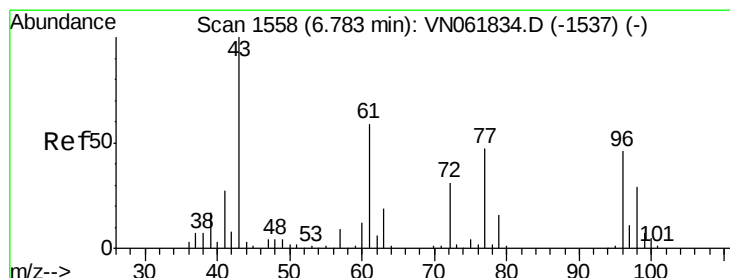
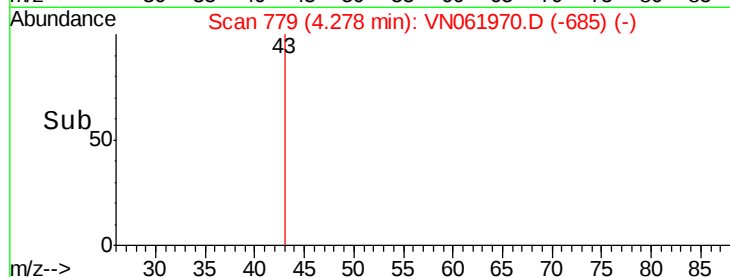
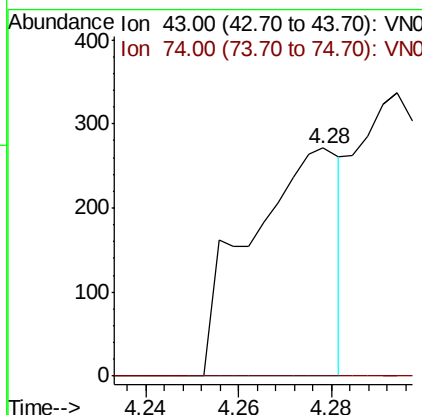
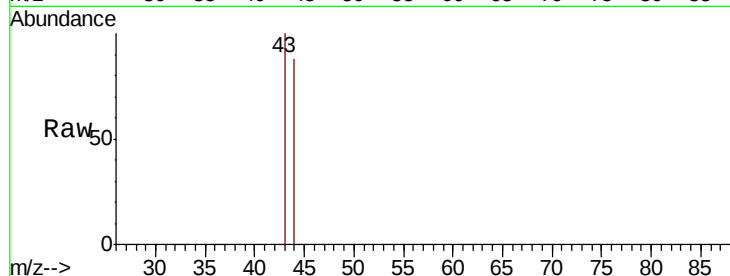




#18
Methyl Acetate
Concen: 0.214 ug/l
RT: 4.28 min Scan# 779
Delta R.T. 0.00 min
Lab File: VN061970.D
Acq: 20 Jun 2020 1:22

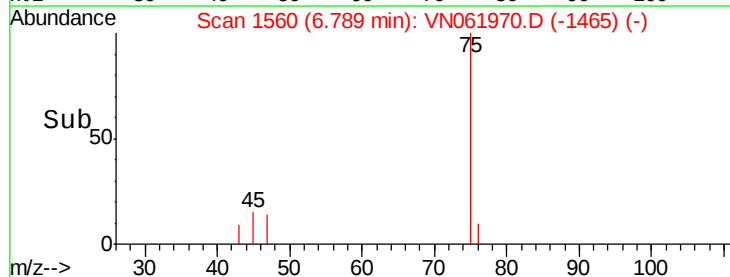
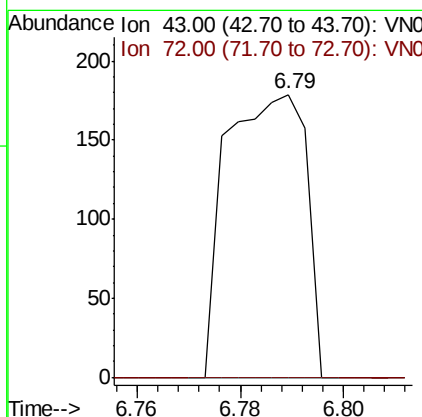
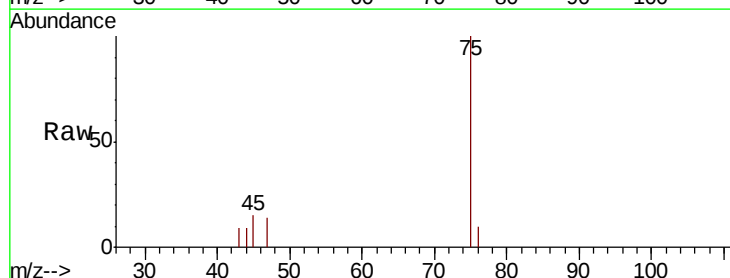
Instrument :
MSVOA_N
ClientSampled :
VN0619WBL02

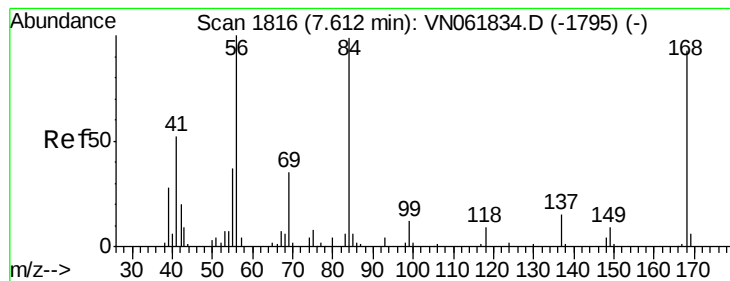
Tot Ion: 43 Resp: 365
Ion Ratio Lower Upper
43 100
74 0.0 23.0 34.4#



#25
2-Butanone
Concen: 0.221 ug/l
RT: 6.79 min Scan# 1560
Delta R.T. 0.01 min
Lab File: VN061970.D
Acq: 20 Jun 2020 1:22

Tgt Ion: 43 Resp: 191
Ion Ratio Lower Upper
43 100
72 0.0 24.6 37.0#





#31

Cyclohexane

Concen: 1.189 ug/l

RT: 7.62 min Scan# 1818

Delta R.T. 0.01 min

Lab File: VN061970.D

Acq: 20 Jun 2020 1:22

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBL02

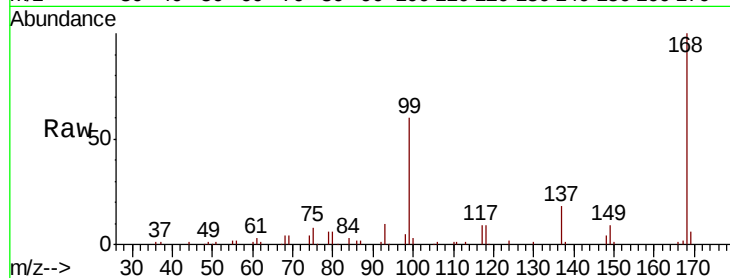
Tot Ion: 56 Resp: 3139

Ion Ratio Lower Upper

56 100

69 153.5 27.7 41.5#

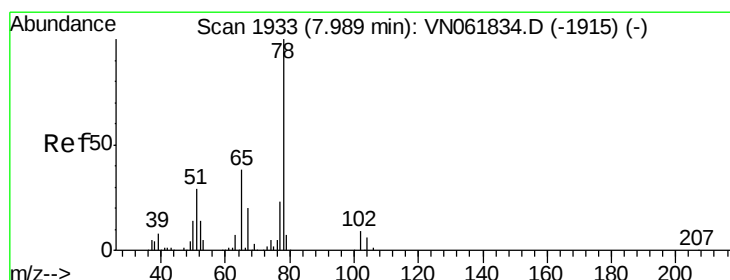
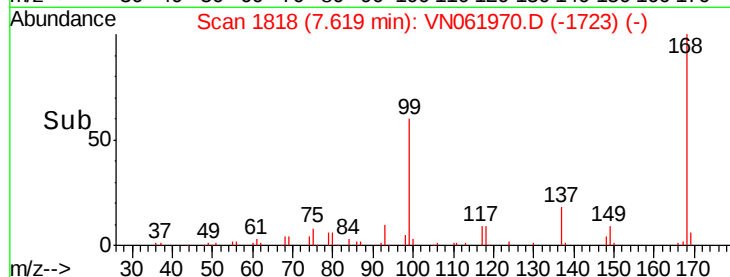
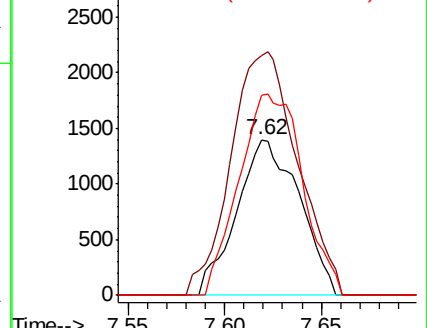
84 128.3 79.1 118.7#



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: 50.945 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN061970.D

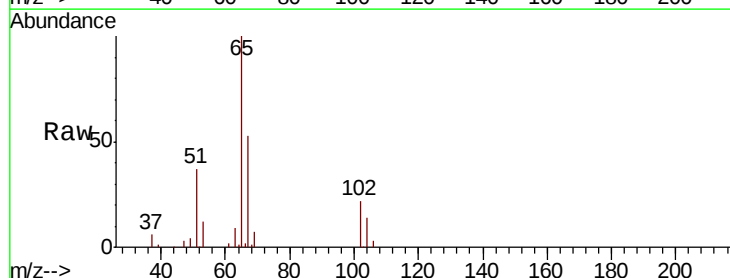
Acq: 20 Jun 2020 1:22

Tgt Ion: 65 Resp: 102027

Ion Ratio Lower Upper

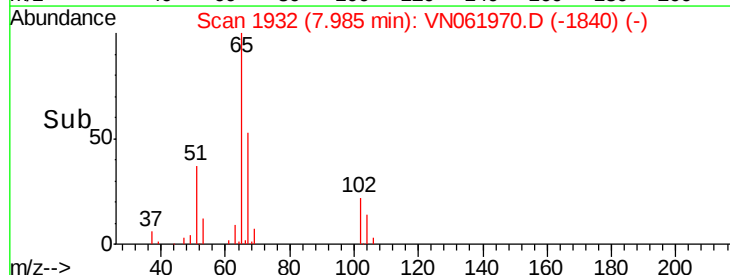
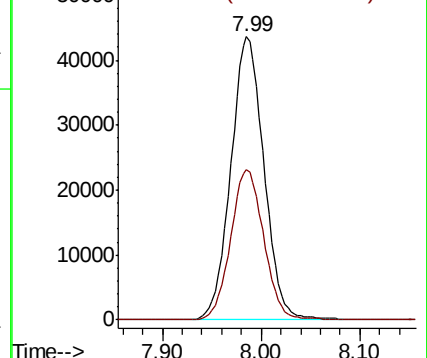
65 100

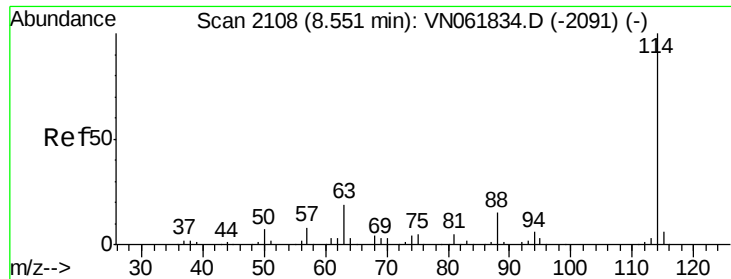
67 53.1 0.0 106.2



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

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

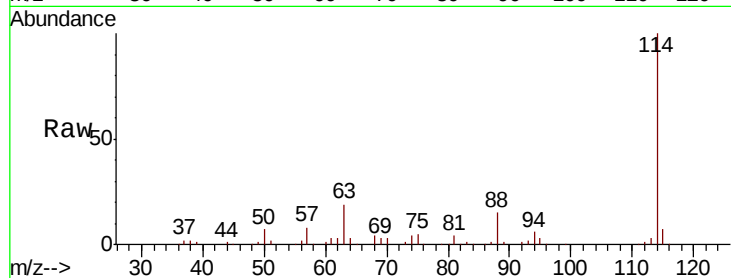




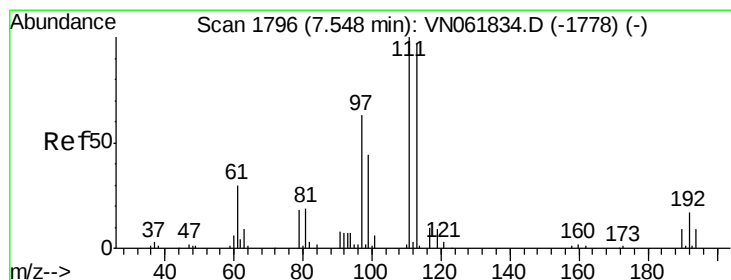
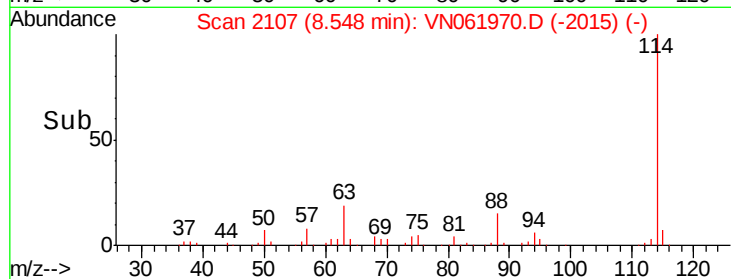
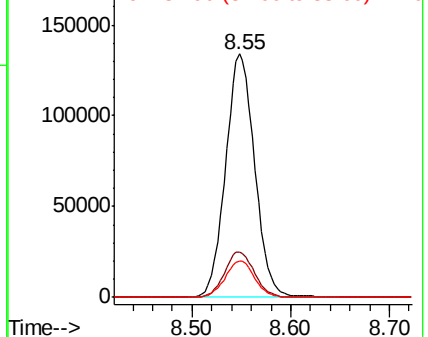
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2107
Delta R.T. -0.00 min
Lab File: VN061970.D
Acq: 20 Jun 2020 1:22

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBL02

Tot Ion:114 Resp: 276390
Ion Ratio Lower Upper
114 100
63 18.7 0.0 37.6
88 15.1 0.0 31.0

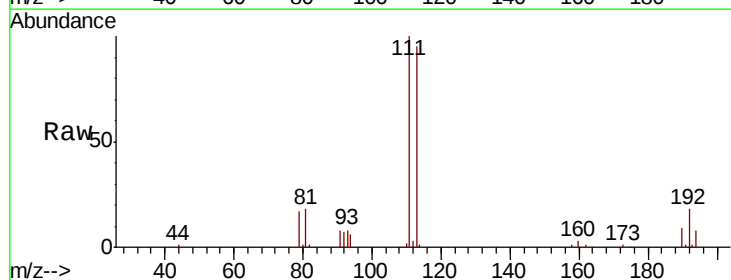


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

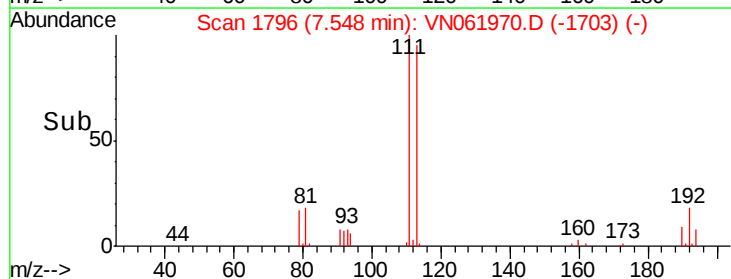
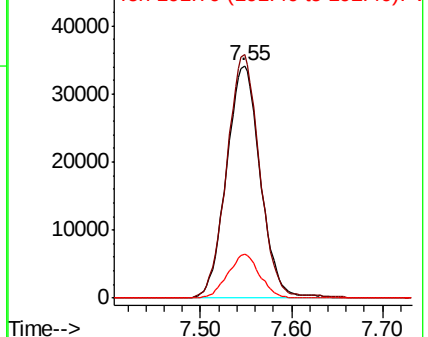


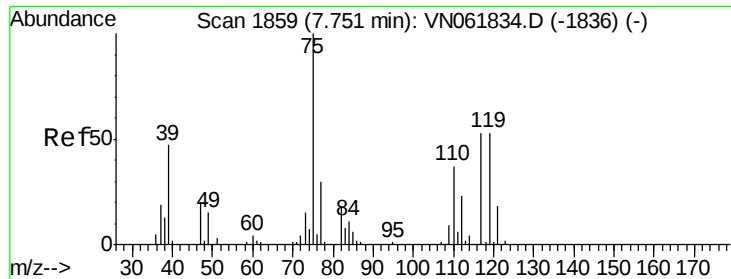
#35
Dibromofluoromethane
Concen: 49.735 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN061970.D
Acq: 20 Jun 2020 1:22

Tgt Ion:113 Resp: 87942
Ion Ratio Lower Upper
113 100
111 102.4 83.7 125.5
192 17.7 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: 4.599 ug/l

RT: 7.62 min Scan# 1818

Delta R.T. -0.13 min

Lab File: VN061970.D

Acq: 20 Jun 2020 1:22

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBL02

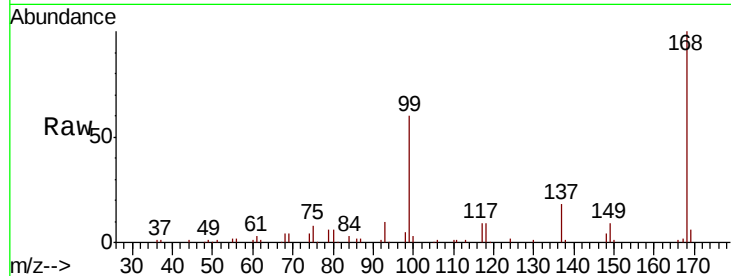
Tot Ion: 75 Resp: 11593

Ion Ratio Lower Upper

75 100

110 10.0 18.2 54.6#

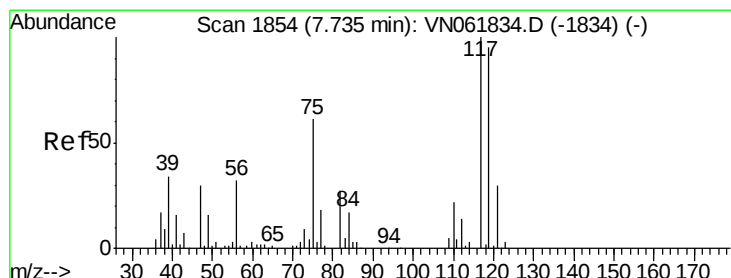
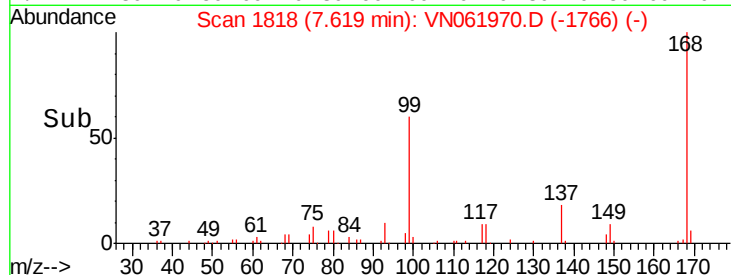
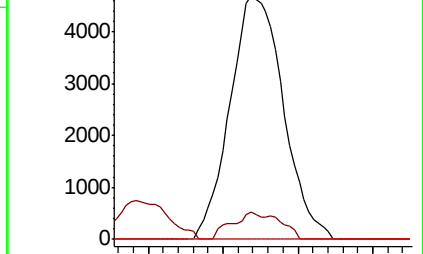
77 0.0 24.2 36.4#



Abundance Ion 74.90 (74.60 to 75.60): VN061834.D (-1836) (-)

Ion 109.90 (109.60 to 110.60): VN061834.D (-1836) (-)

Ion 76.90 (76.60 to 77.60): VN061834.D (-1836) (-)



#38

Carbon Tetrachloride

Concen: 5.915 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN061970.D

Acq: 20 Jun 2020 1:22

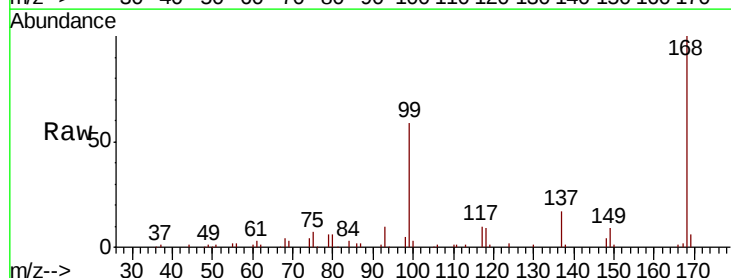
Tgt Ion: 117 Resp: 14766

Ion Ratio Lower Upper

117 100

119 5.6 75.8 113.6#

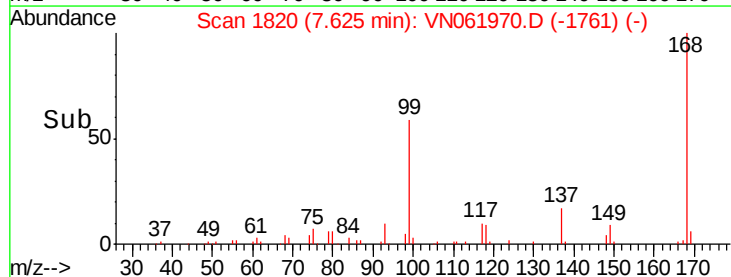
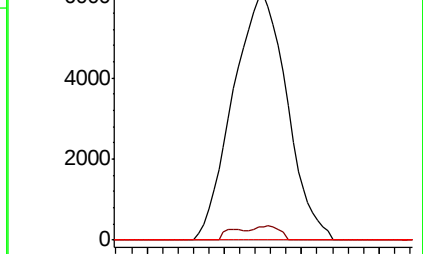
121 0.0 23.8 35.6#

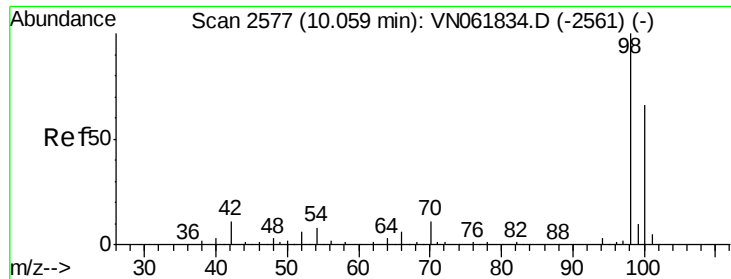


Abundance Ion 116.80 (116.50 to 117.50): VN061834.D (-1834) (-)

Ion 118.80 (118.50 to 119.50): VN061834.D (-1834) (-)

Ion 120.80 (120.50 to 121.50): VN061834.D (-1834) (-)





#50

Toluene-d8

Concen: 49.233 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN061970.D

Acq: 20 Jun 2020 1:22

Instrument :

MSVOA_N

ClientSampleId :

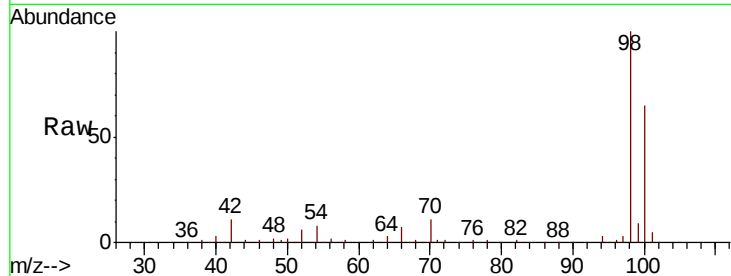
VN0619WBL02

Tot Ion: 98 Resp: 342245

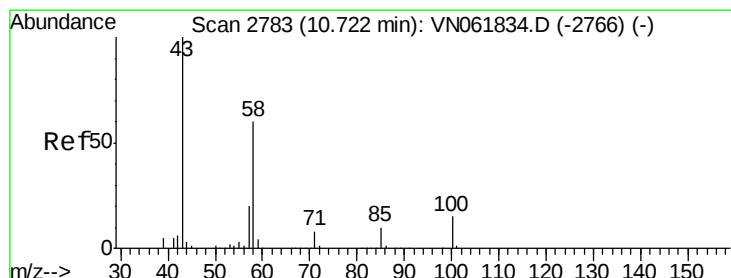
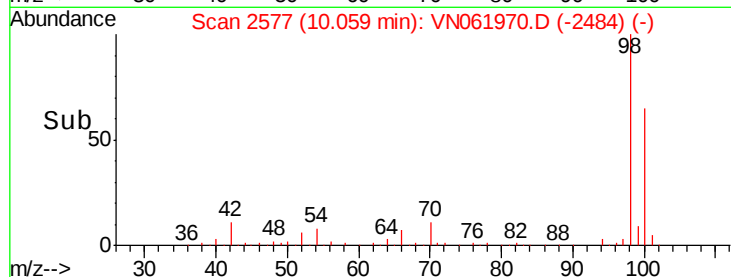
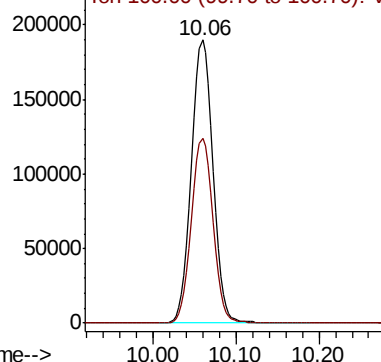
Ion Ratio Lower Upper

98 100

100 65.6 52.7 79.1



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



#59

2-Hexanone

Concen: 13.425 ug/l

RT: 10.84 min Scan# 2821

Delta R.T. 0.12 min

Lab File: VN061970.D

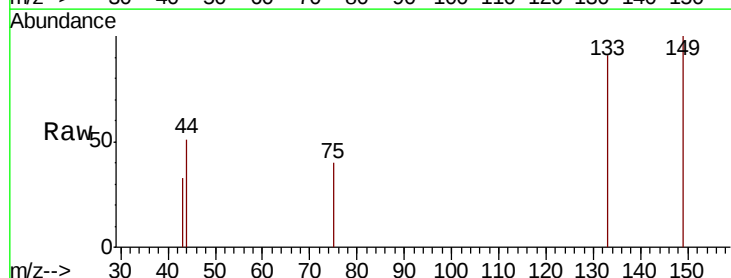
Acq: 20 Jun 2020 1:22

Tgt Ion: 43 Resp: 30

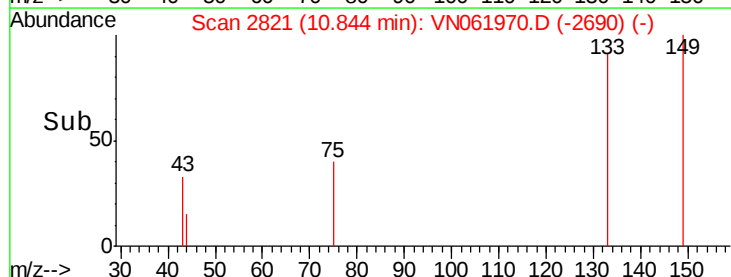
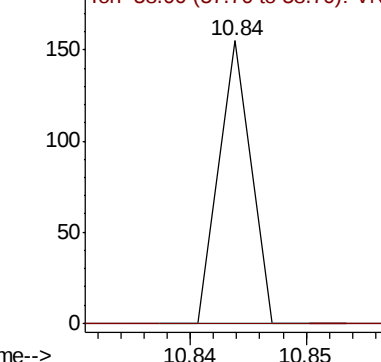
Ion Ratio Lower Upper

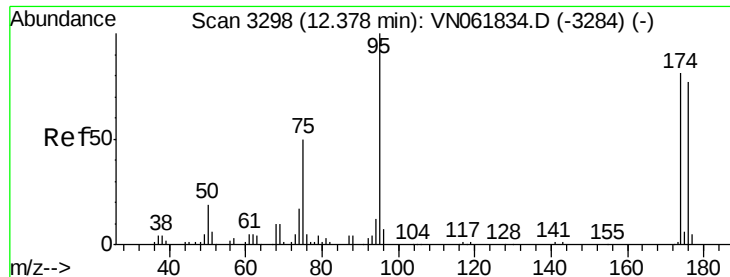
43 100

58 0.0 30.1 90.5#



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

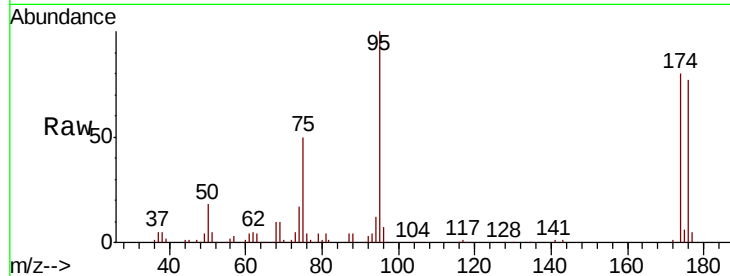




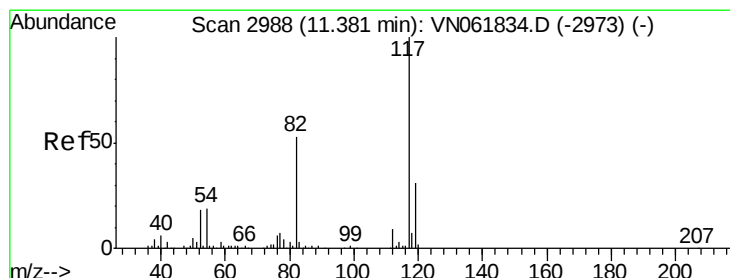
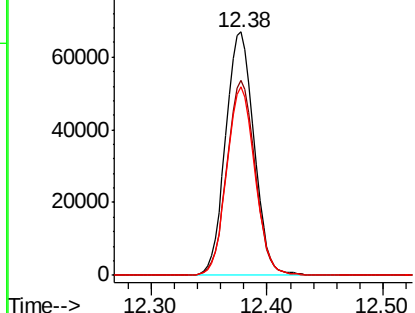
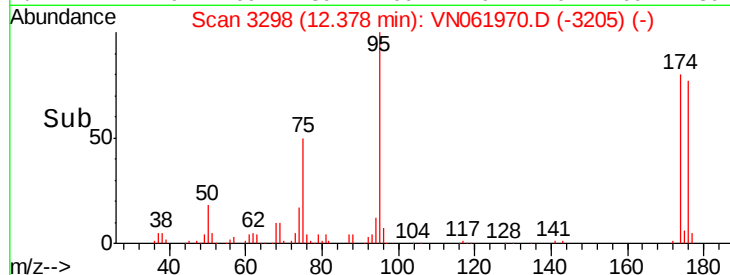
#62
4-Bromofluorobenzene
Concen: 47.625 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN061970.D
Acq: 20 Jun 2020 1:22

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBL02

Tot Ion: 95 Resp: 113560
Ion Ratio Lower Upper
95 100
174 79.1 0.0 158.6
176 76.5 0.0 152.0

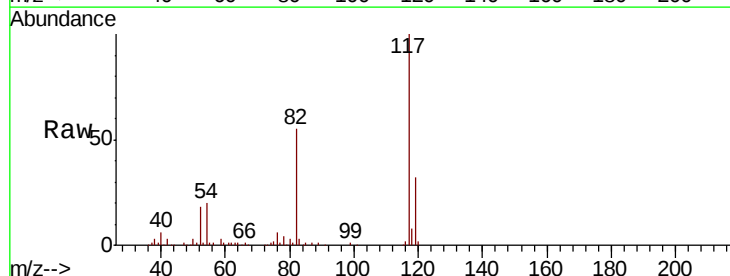


Abundance Ion 94.90 (94.60 to 95.60): VN061970.D (-3205) (-)
Ion 173.80 (173.50 to 174.50): VN061970.D (-3205) (-)
Ion 175.80 (175.50 to 176.50): VN061970.D (-3205) (-)

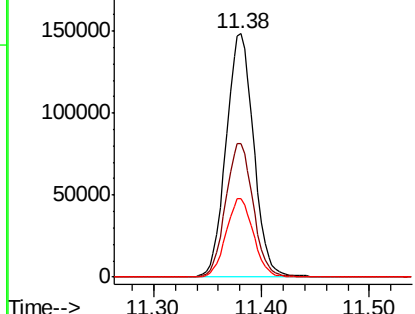
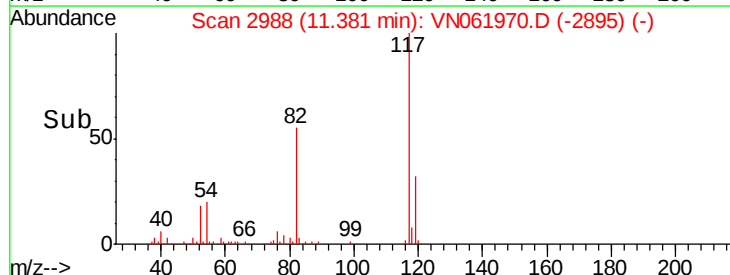


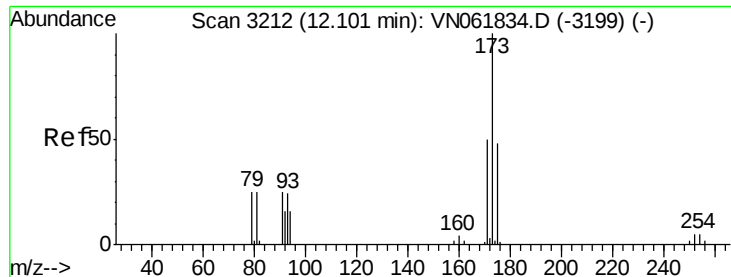
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061970.D
Acq: 20 Jun 2020 1:22

Tgt Ion: 117 Resp: 264259
Ion Ratio Lower Upper
117 100
82 54.7 42.6 64.0
119 32.2 24.7 37.1



Abundance Ion 116.90 (116.60 to 117.60): VN061970.D (-2895) (-)
Ion 82.00 (81.70 to 82.70): VN061970.D (-2895) (-)
Ion 118.90 (118.60 to 119.60): VN061970.D (-2895) (-)





#71

Bromoform

Concen: 0.273 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. 0.27 min

Lab File: VN061970.D

Acq: 20 Jun 2020 1:22

Instrument :

MSVOA_N

ClientSampled :

VN0619WBL02

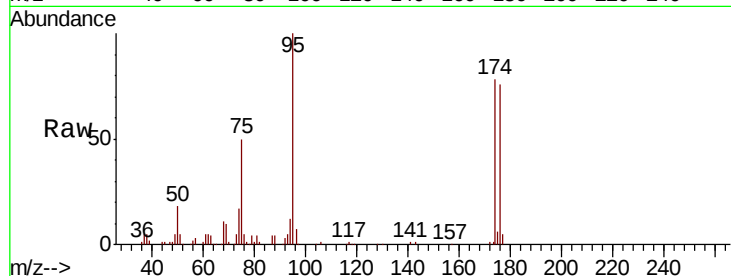
Tot Ion:173 Resp: 387

Ion Ratio Lower Upper

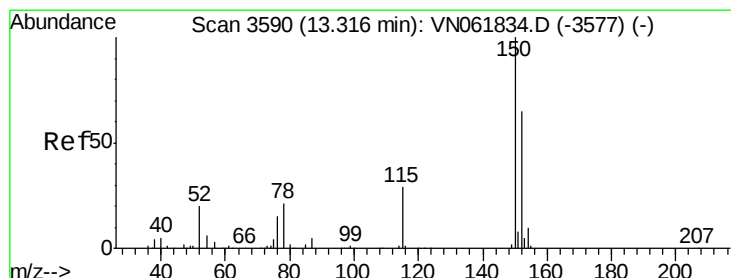
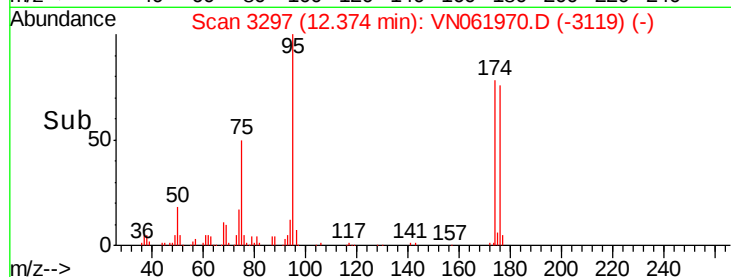
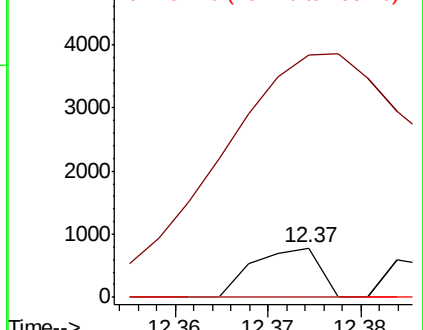
173 100

175 1421.7 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: VN061970.D

Acq: 20 Jun 2020 1:22

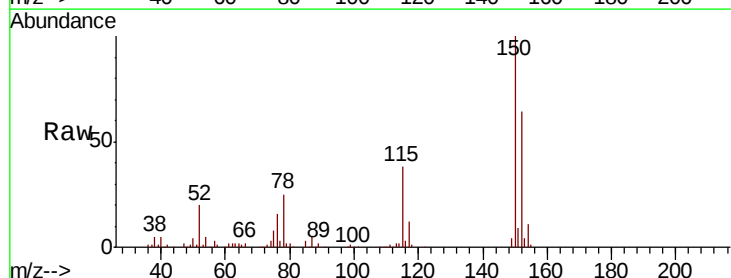
Tgt Ion:152 Resp: 101130

Ion Ratio Lower Upper

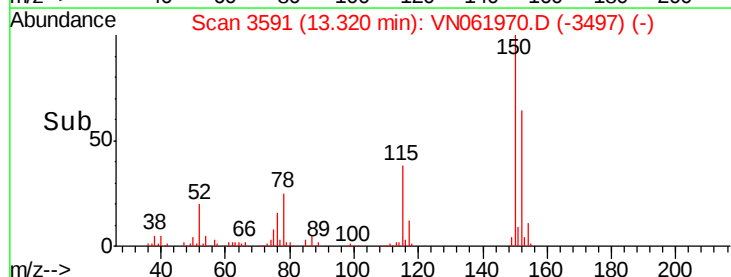
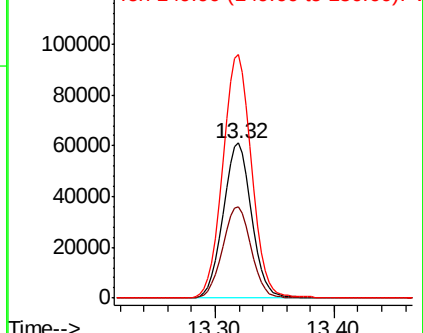
152 100

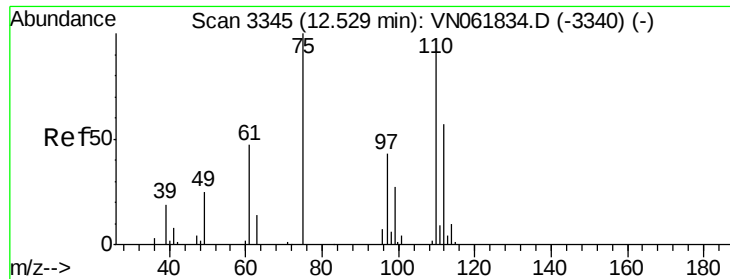
115 59.3 29.1 87.3

150 159.7 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

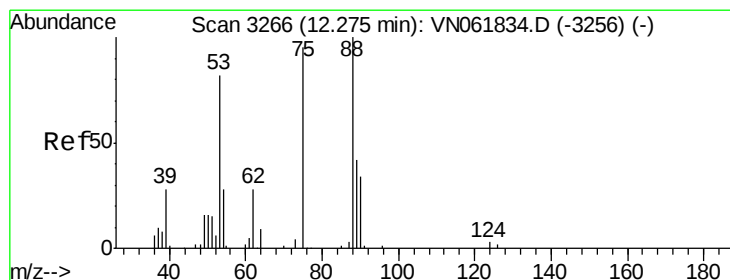
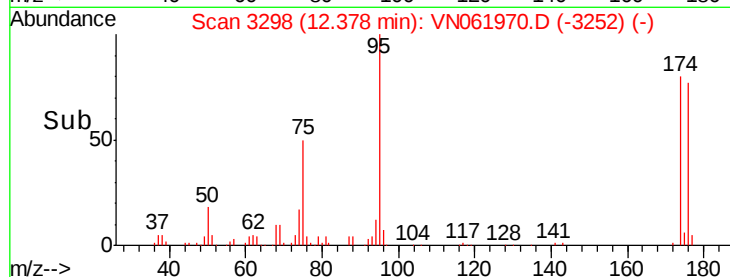
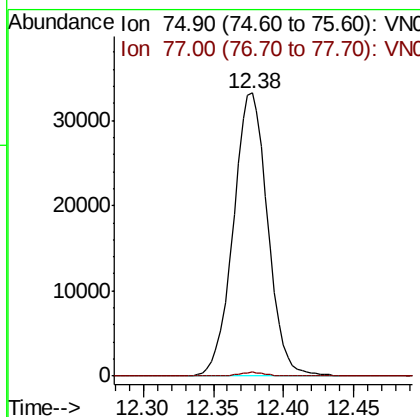
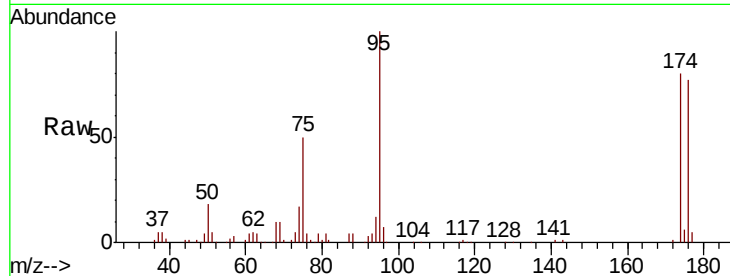




#76
 1,2,3-Trichloropropane
 Concen: 28.564 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.15 min
 Lab File: VN061970.D
 Acq: 20 Jun 2020 1:22

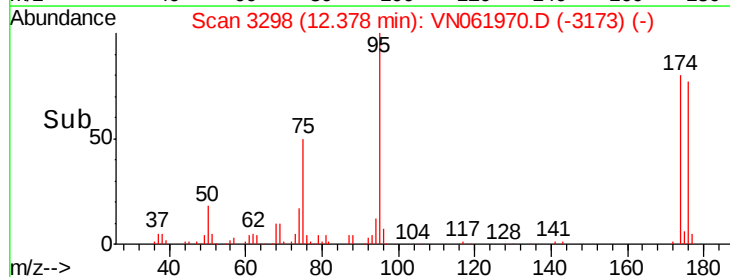
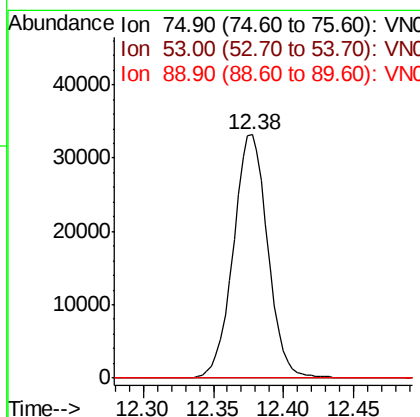
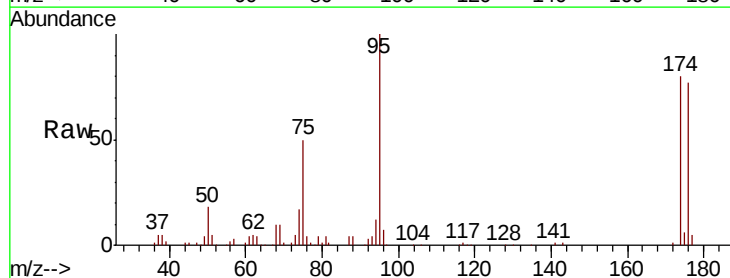
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBL02

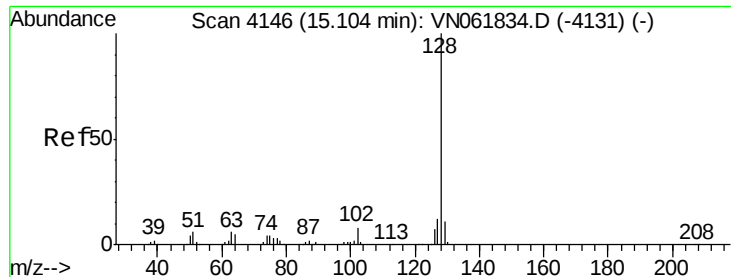
Tot Ion: 75 Resp: 56712
 Ion Ratio Lower Upper
 75 100
 77 0.9 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.906 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.10 min
 Lab File: VN061970.D
 Acq: 20 Jun 2020 1:22

Tgt Ion: 75 Resp: 56712
 Ion Ratio Lower Upper
 75 100
 53 0.0 70.4 105.6#
 89 0.0 36.0 54.0#





#95

Naphthalene

Concen: 3.572 ug/l

RT: 15.11 min Scan# 4149

Delta R.T. 0.01 min

Lab File: VN061970.D

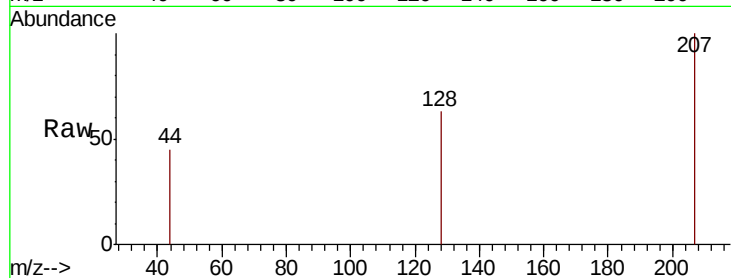
Acq: 20 Jun 2020 1:22

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBL02



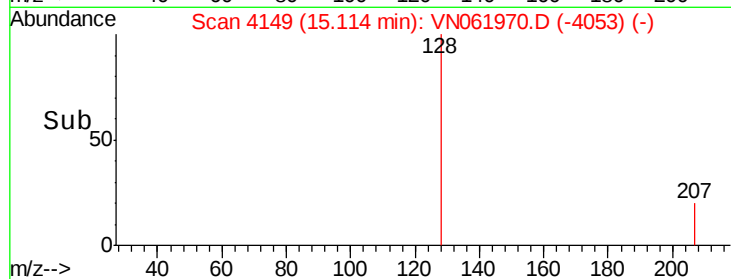
Tot Ion:128 Resp: 481

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

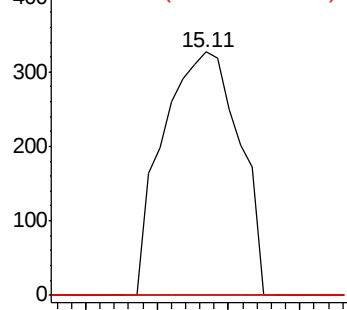
129 0.0 8.6 13.0#



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



Time--> 15.08 15.10 15.12 15.14