

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN062520\
 Data File : VN062102.D
 Acq On : 25 Jun 2020 11:16
 Operator : JC/MD
 Sample : VN0625WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0625WBL01

Quant Time: Jun 26 01:42:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 15:33:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	207645	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	386959	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	367312	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	134257	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	152133	52.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.42%	
35) Dibromofluoromethane	7.55	113	127223	51.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.50%	
50) Toluene-d8	10.06	98	491085	49.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.98%	
62) 4-Bromofluorobenzene	12.38	95	154984	46.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.46%	

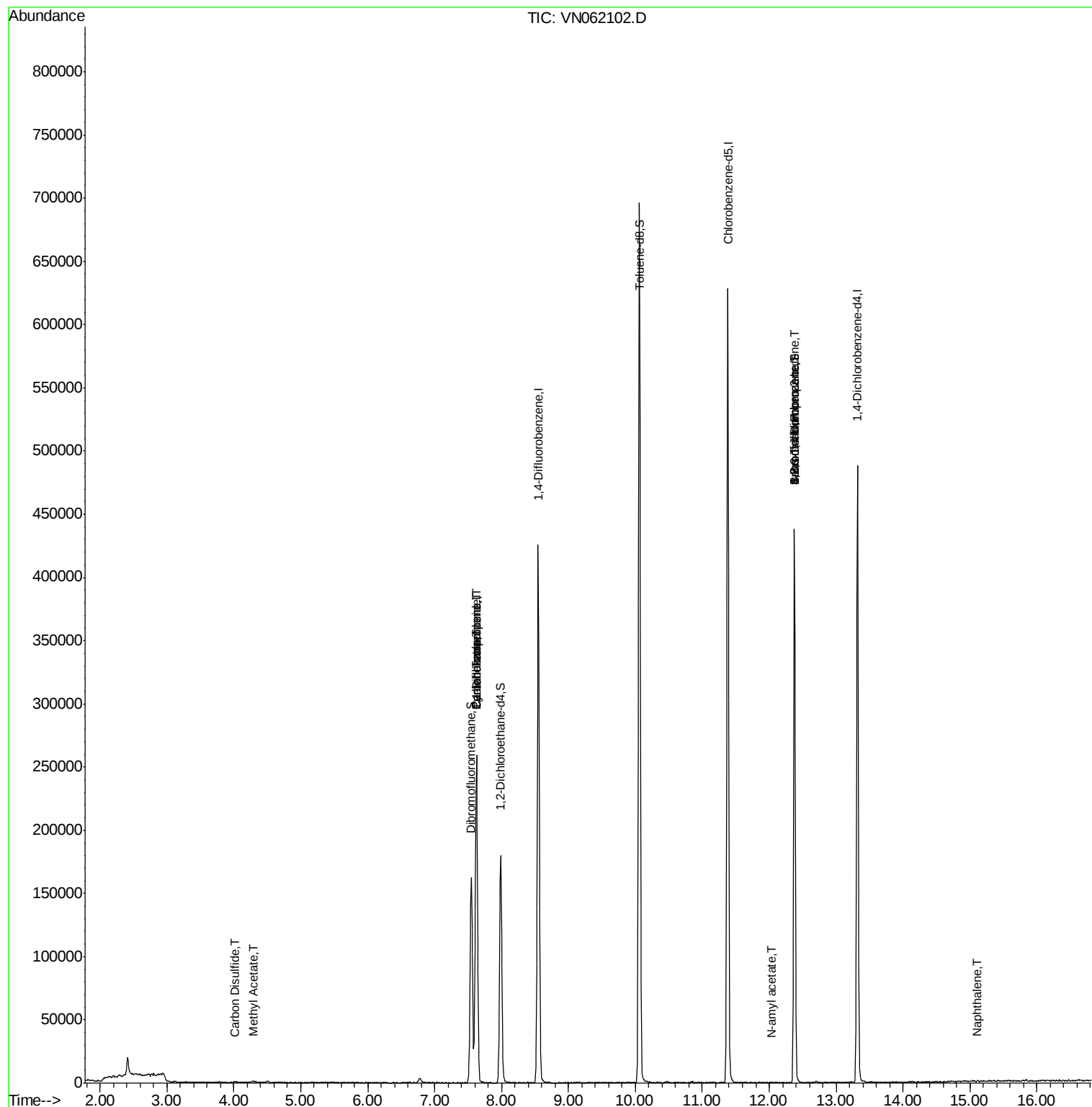
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	172	Below Cal	#	41
16) Acetone	3.78	43	342	Below Cal	#	40
17) Carbon Disulfide	4.02	76	1437	0.261	ug/l #	75
18) Methyl Acetate	4.28	43	1243	0.537	ug/l #	86
31) Cyclohexane	7.62	56	5009	1.244	ug/l #	27
36) 1,1-Dichloropropene	7.62	75	17441	4.484	ug/l #	44
38) Carbon Tetrachloride	7.63	117	21474	5.856	ug/l #	15
71) Bromoform	12.37	173	1427	0.720	ug/l #	1
74) N-amyl acetate	12.04	43	160	3.382	ug/l #	38
76) 1,2,3-Trichloropropane	12.38	75	79346	25.105	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	79346	73.317	ug/l #	13
95) Naphthalene	15.12	128	928	4.128	ug/l #	69

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

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Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 24 15:33:00 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: VN062102.D

Acq: 25 Jun 2020 11:16

Instrument :

MSVOA_N

ClientSampleId :

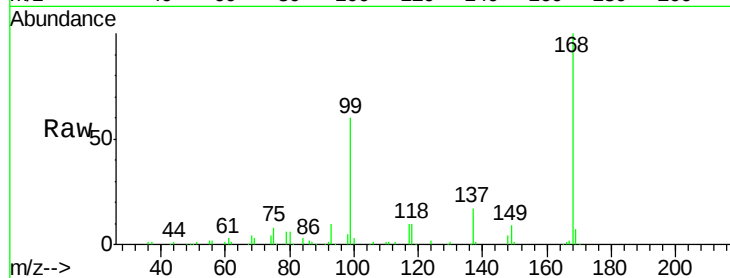
VN0625WBL01

Tgt Ion:168 Resp: 207645

Ion Ratio Lower Upper

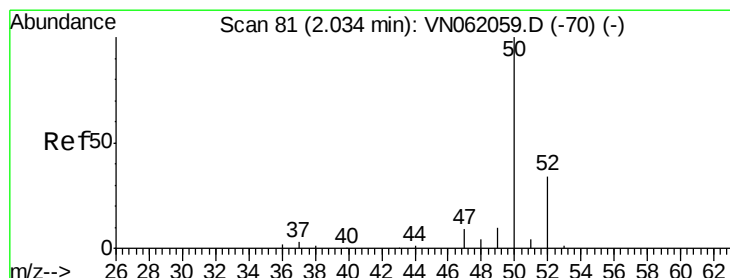
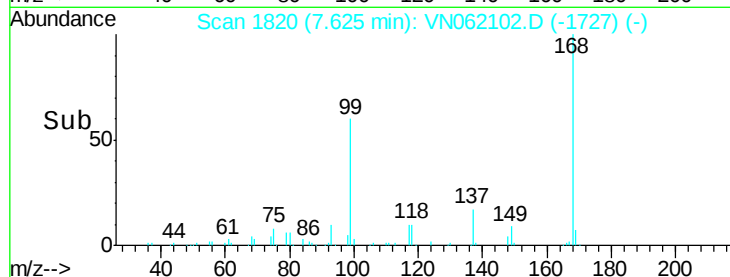
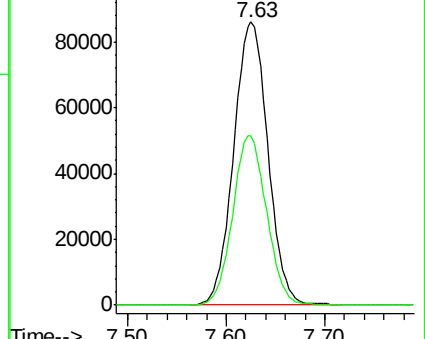
168 100

99 59.9 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#3

Chloromethane

Concen: Below Cal

RT: 2.03 min Scan# 80

Delta R.T. -0.00 min

Lab File: VN062102.D

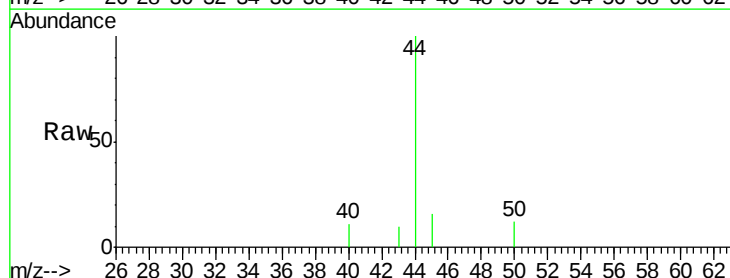
Acq: 25 Jun 2020 11:16

Tgt Ion: 50 Resp: 172

Ion Ratio Lower Upper

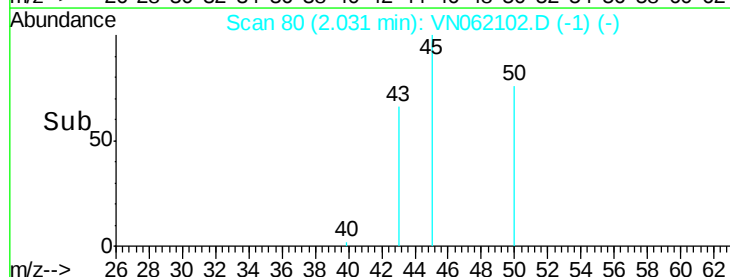
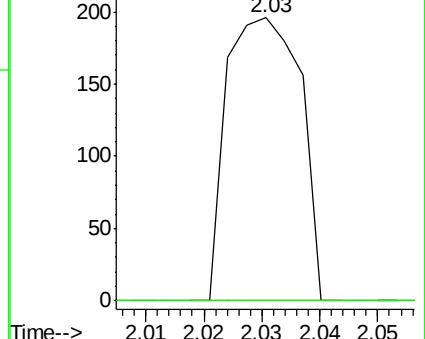
50 100

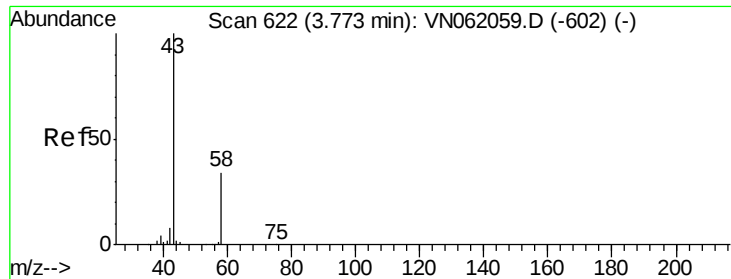
52 0.0 27.0 40.6#



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

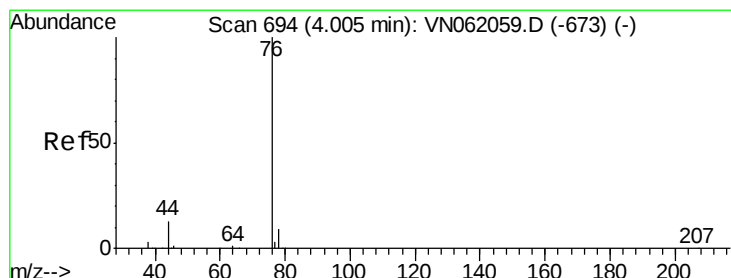
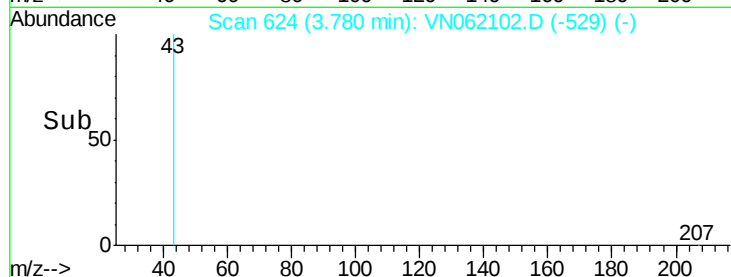
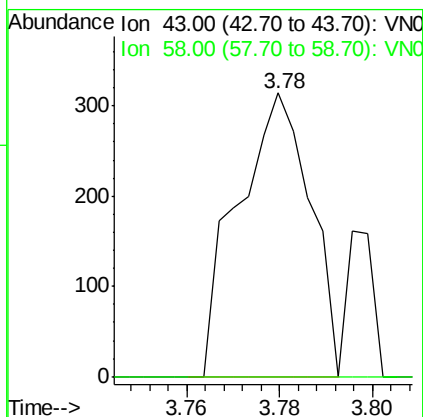
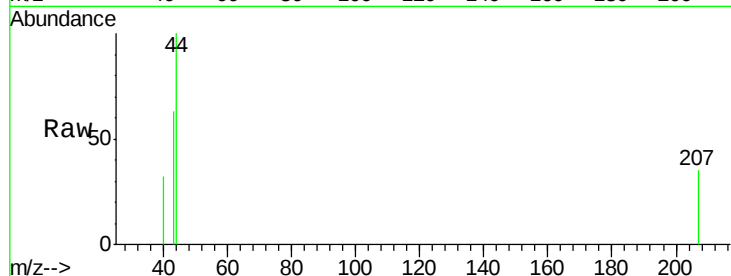




#16
Acetone
Concen: Below Cal
RT: 3.78 min Scan# 624
Delta R.T. 0.01 min
Lab File: VN062102.D
Acq: 25 Jun 2020 11:16

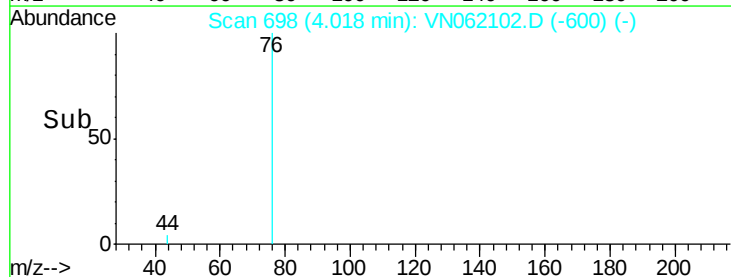
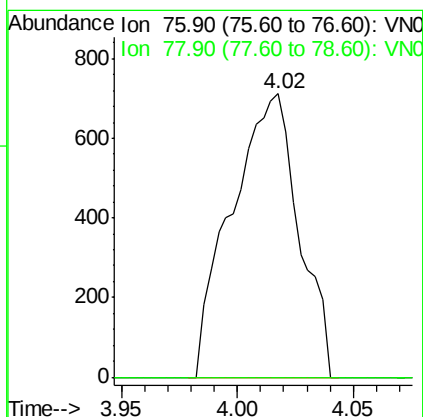
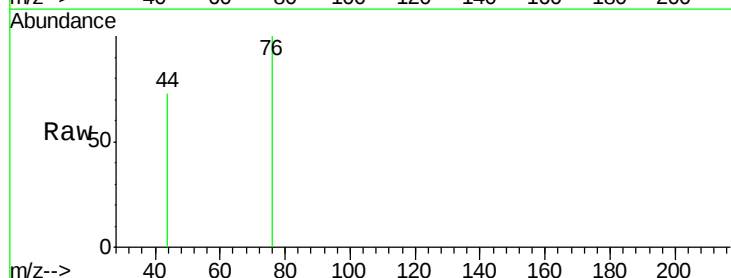
Instrument :
MSVOA_N
ClientSampled :
VN0625WBL01

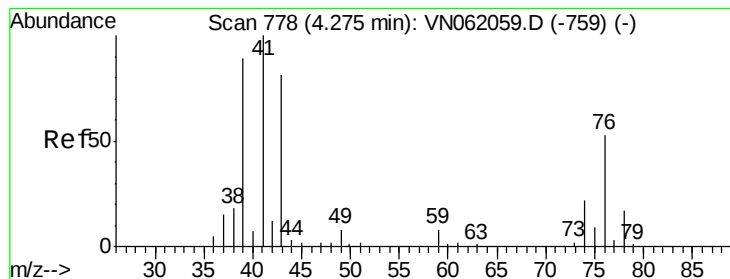
Tgt Ion: 43 Resp: 342
Ion Ratio Lower Upper
43 100
58 0.0 27.5 41.3#



#17
Carbon Disulfide
Concen: 0.261 ug/l
RT: 4.02 min Scan# 698
Delta R.T. 0.01 min
Lab File: VN062102.D
Acq: 25 Jun 2020 11:16

Tgt Ion: 76 Resp: 1437
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#





#18

Methyl Acetate

Concen: 0.537 ug/l

RT: 4.28 min Scan# 780

Delta R.T. 0.01 min

Lab File: VN062102.D

Acq: 25 Jun 2020 11:16

Instrument :

MSVOA_N

ClientSampleId :

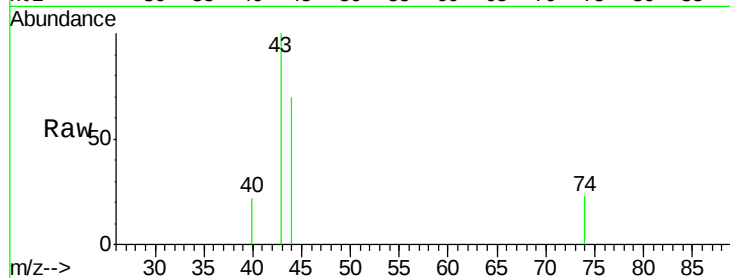
VN0625WBL01

Tgt Ion: 43 Resp: 1243

Ion Ratio Lower Upper

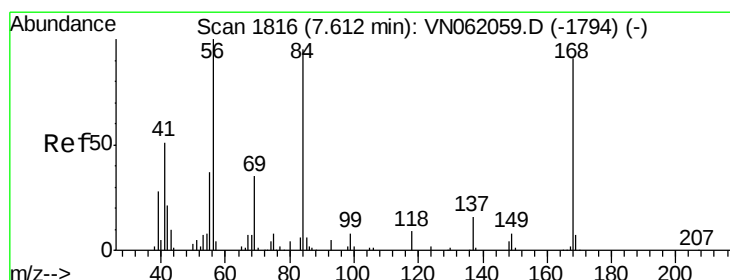
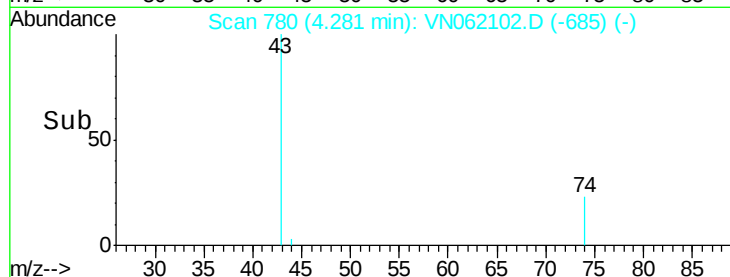
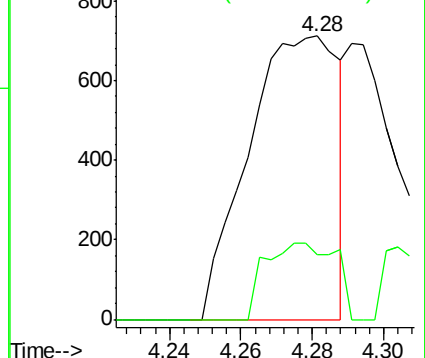
43 100

74 21.1 22.9 34.3#



Abundance Ion 43.00 (42.70 to 43.70): VN062102.D (-1723) (-)

Ion 74.00 (73.70 to 74.70): VN062102.D (-1723) (-)



#31

Cyclohexane

Concen: 1.244 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VN062102.D

Acq: 25 Jun 2020 11:16

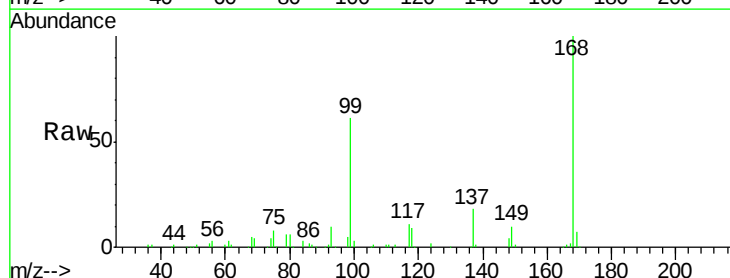
Tgt Ion: 56 Resp: 5009

Ion Ratio Lower Upper

56 100

69 154.4 28.0 42.0#

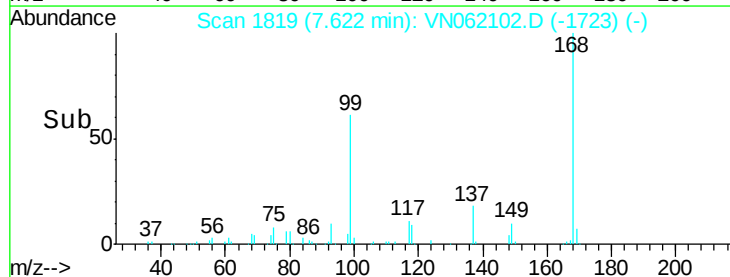
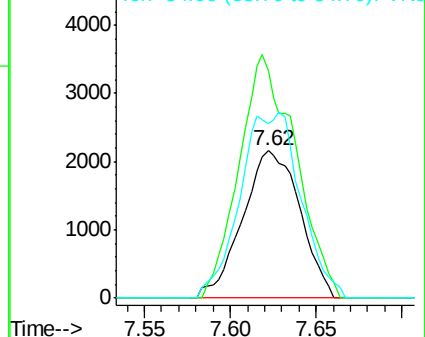
84 118.5 76.1 114.1#

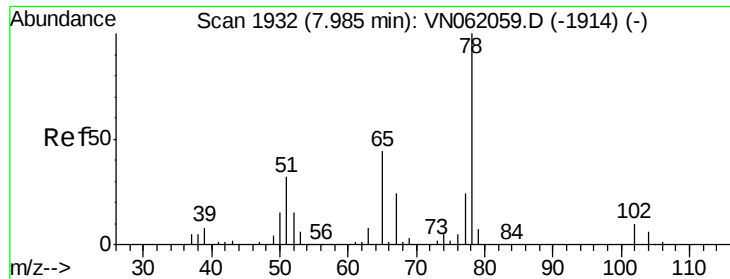


Abundance Ion 56.00 (55.70 to 56.70): VN062102.D (-1723) (-)

Ion 69.00 (68.70 to 69.70): VN062102.D (-1723) (-)

Ion 84.00 (83.70 to 84.70): VN062102.D (-1723) (-)





#33

1,2-Dichloroethane-d4

Concen: 52.208 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN062102.D

Acq: 25 Jun 2020 11:16

Instrument :

MSVOA_N

ClientSampleId :

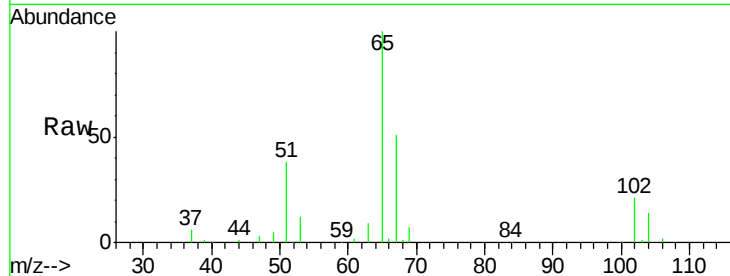
VN0625WBL01

Tgt Ion: 65 Resp: 152133

Ion Ratio Lower Upper

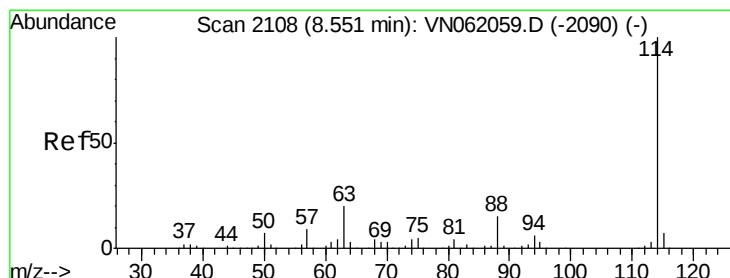
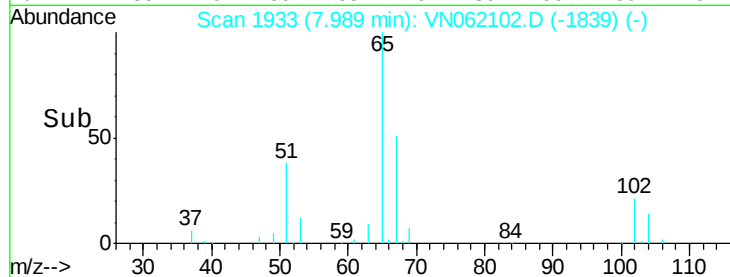
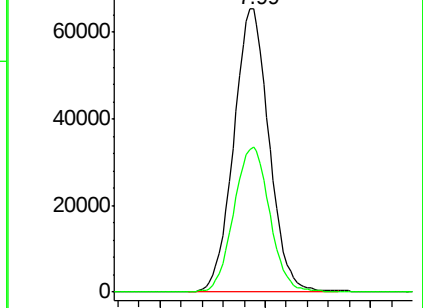
65 100

67 52.3 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VN062102.D (-1839) (-)

Ion 66.90 (66.60 to 67.60): VN062102.D (-1839) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2107

Delta R.T. -0.00 min

Lab File: VN062102.D

Acq: 25 Jun 2020 11:16

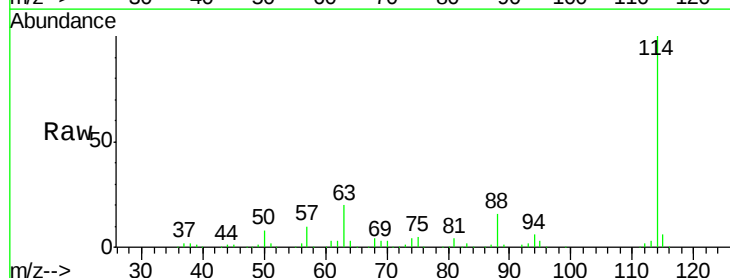
Tgt Ion: 114 Resp: 386959

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.2

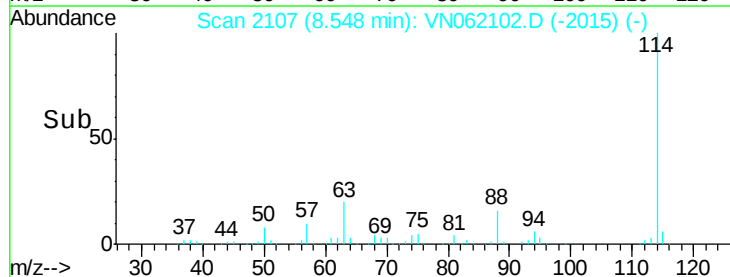
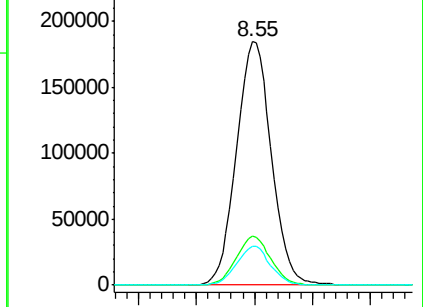
88 15.8 0.0 30.8

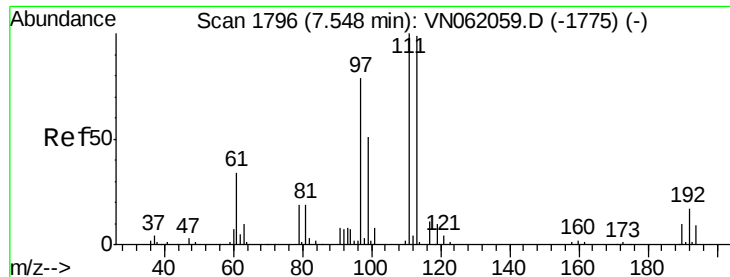


Abundance Ion 113.90 (113.60 to 114.60): VN062102.D (-2015) (-)

Ion 63.00 (62.70 to 63.70): VN062102.D (-2015) (-)

Ion 87.90 (87.60 to 88.60): VN062102.D (-2015) (-)

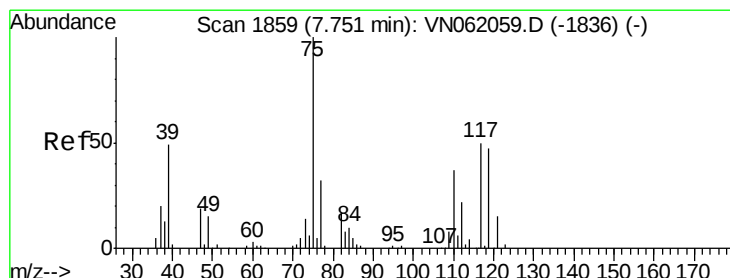
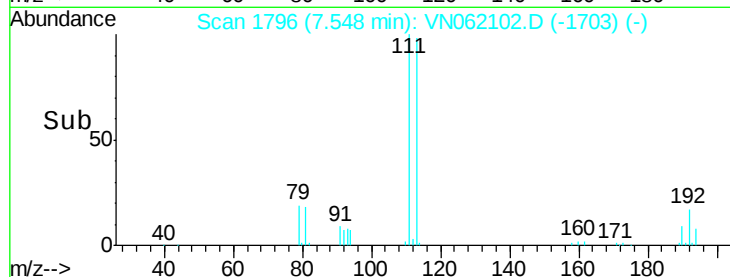
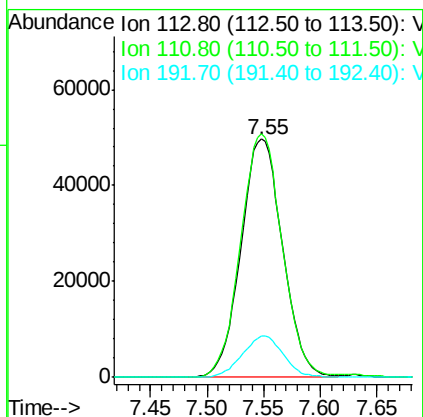
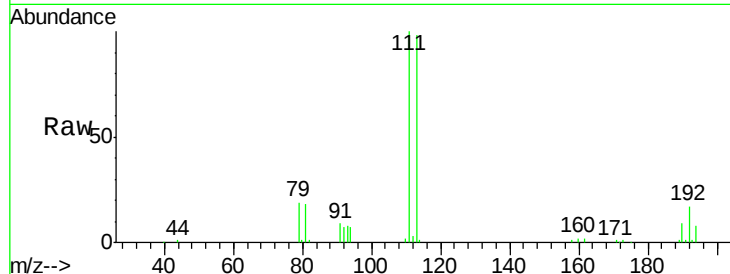




#35
Dibromofluoromethane
Concen: 51.247 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN062102.D
Acq: 25 Jun 2020 11:16

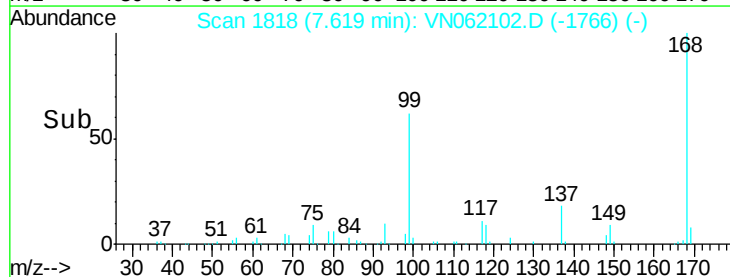
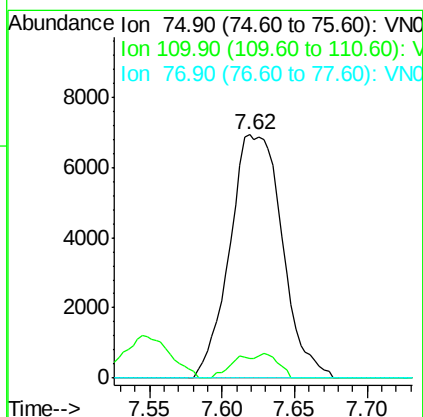
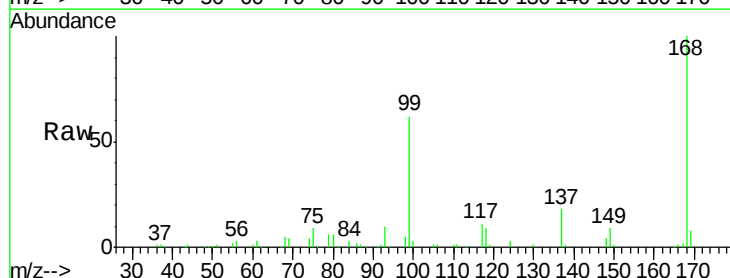
Instrument :
MSVOA_N
ClientSampleId :
VN0625WBL01

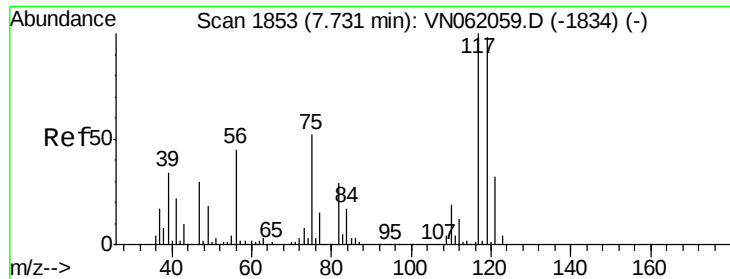
Tgt Ion:113 Resp: 127223
Ion Ratio Lower Upper
113 100
111 102.0 82.2 123.4
192 17.2 14.0 21.0



#36
1,1-Dichloropropene
Concen: 4.484 ug/l
RT: 7.62 min Scan# 1818
Delta R.T. -0.13 min
Lab File: VN062102.D
Acq: 25 Jun 2020 11:16

Tgt Ion: 75 Resp: 17441
Ion Ratio Lower Upper
75 100
110 3.6 17.9 53.8#
77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 5.856 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN062102.D

Acq: 25 Jun 2020 11:16

Instrument :

MSVOA_N

ClientSampleId :

VN0625WBL01

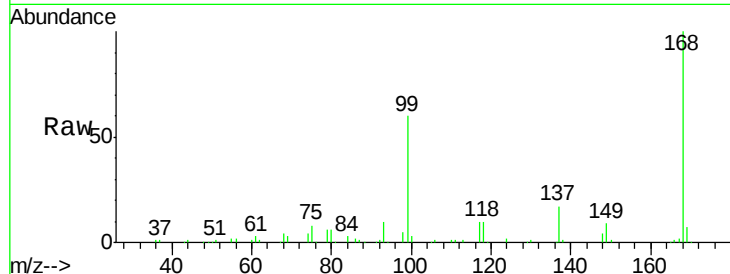
Tgt Ion: 117 Resp: 21474

Ion Ratio Lower Upper

117 100

119 4.6 78.2 117.2#

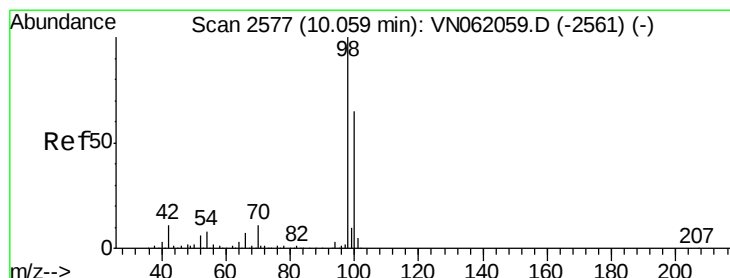
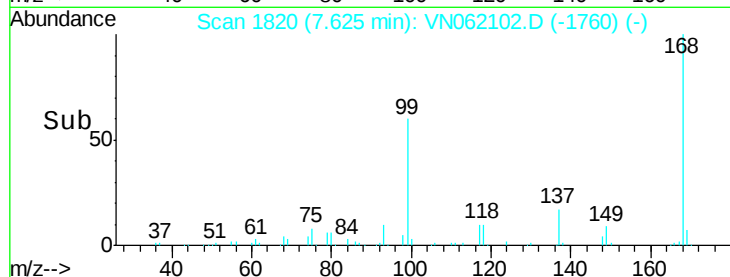
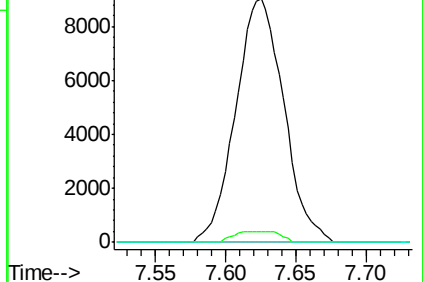
121 0.0 25.8 38.6#



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



#50

Toluene-d8

Concen: 49.487 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062102.D

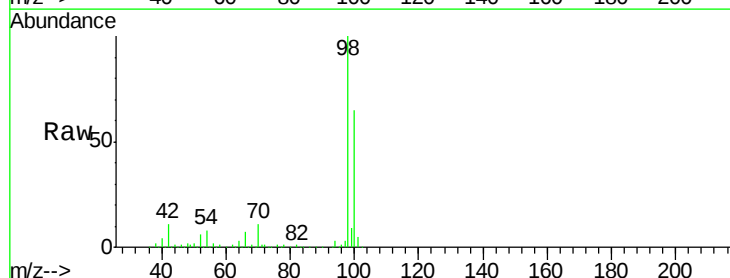
Acq: 25 Jun 2020 11:16

Tgt Ion: 98 Resp: 491085

Ion Ratio Lower Upper

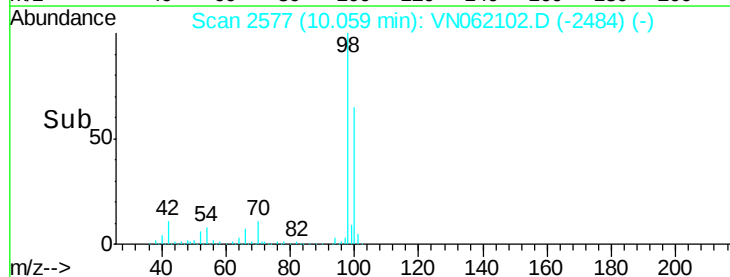
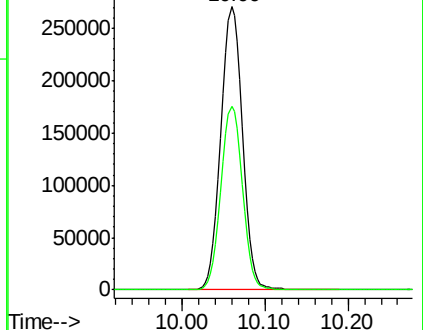
98 100

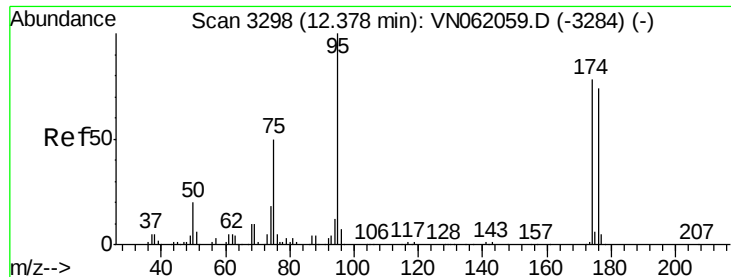
100 64.6 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN

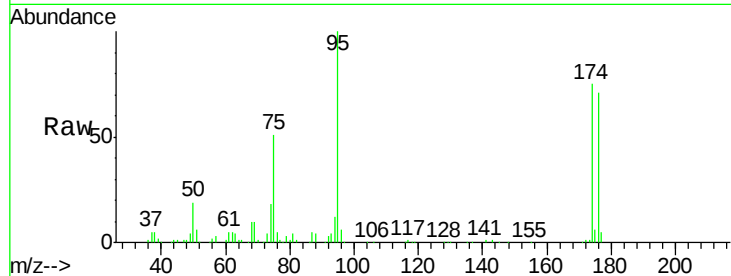




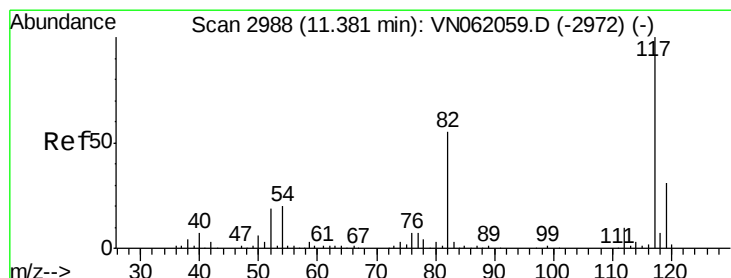
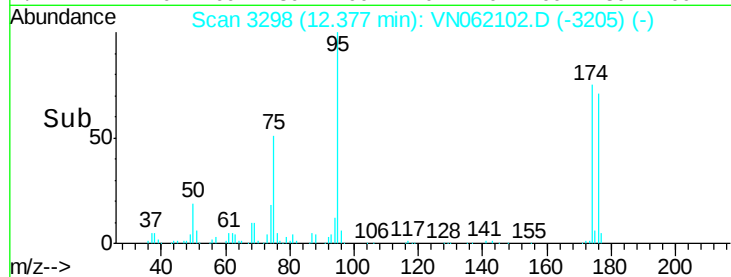
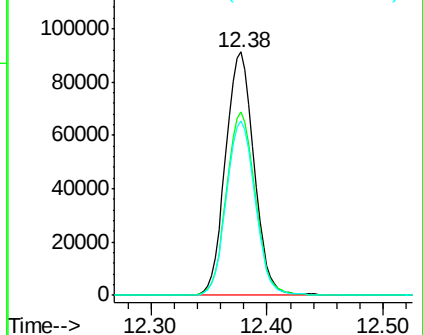
#62
4-Bromofluorobenzene
Concen: 46.226 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN062102.D
Acq: 25 Jun 2020 11:16

Instrument :
MSVOA_N
ClientSampleId :
VN0625WBL01

Tgt Ion: 95 Resp: 154984
Ion Ratio Lower Upper
95 100
174 76.2 0.0 154.8
176 72.2 0.0 147.4

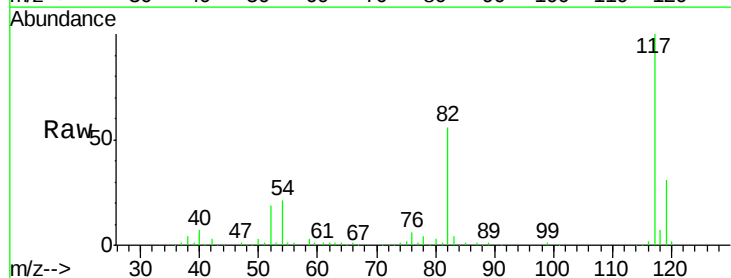


Abundance Ion 94.90 (94.60 to 95.60): VN062102.D (-3205) (-)
Ion 173.80 (173.50 to 174.50): VN062102.D (-3205) (-)
Ion 175.80 (175.50 to 176.50): VN062102.D (-3205) (-)

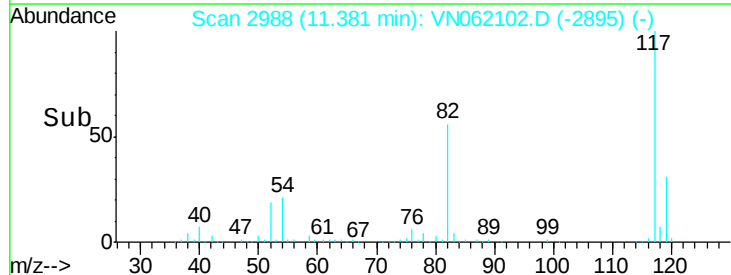
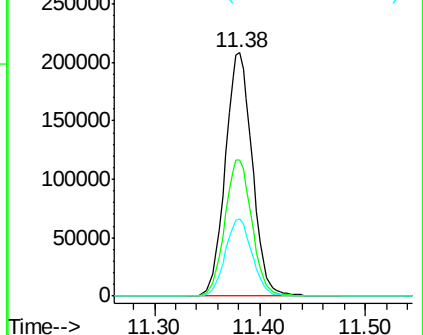


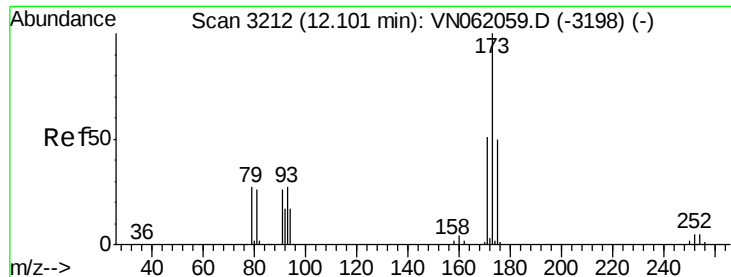
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062102.D
Acq: 25 Jun 2020 11:16

Tgt Ion: 117 Resp: 367312
Ion Ratio Lower Upper
117 100
82 56.1 43.8 65.8
119 31.5 25.2 37.8



Abundance Ion 116.90 (116.60 to 117.60): VN062102.D (-2895) (-)
Ion 82.00 (81.70 to 82.70): VN062102.D (-2895) (-)
Ion 118.90 (118.60 to 119.60): VN062102.D (-2895) (-)

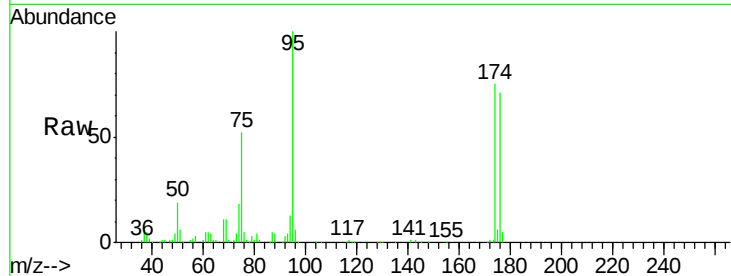




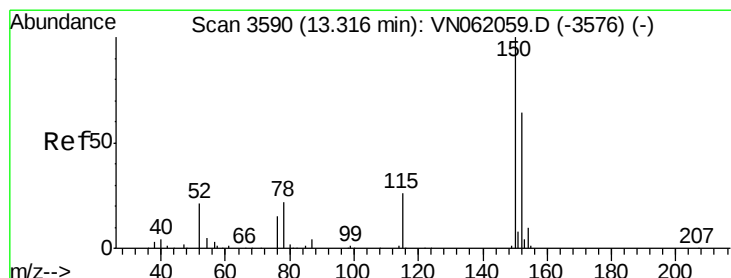
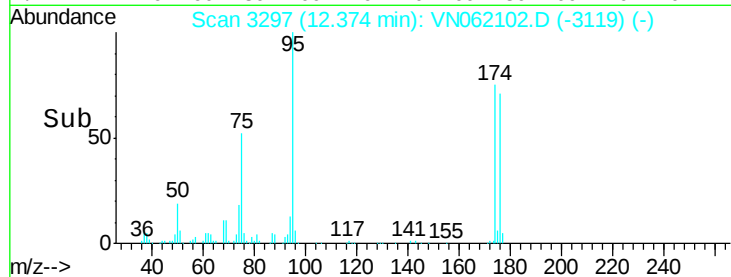
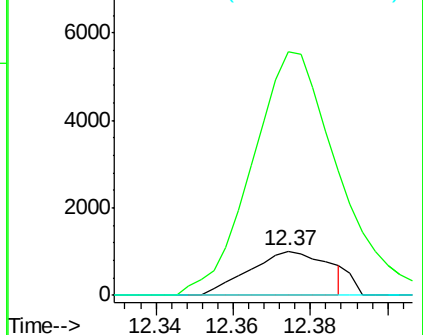
#71
Bromoform
Concen: 0.720 ug/l
RT: 12.37 min Scan# 3297
Delta R.T. 0.27 min
Lab File: VN062102.D
Acq: 25 Jun 2020 11:16

Instrument :
MSVOA_N
ClientSampleId :
VN0625WBL01

Tgt Ion:173 Resp: 1427
Ion Ratio Lower Upper
173 100
175 520.3 24.7 74.1#
254 0.0 0.0 0.0

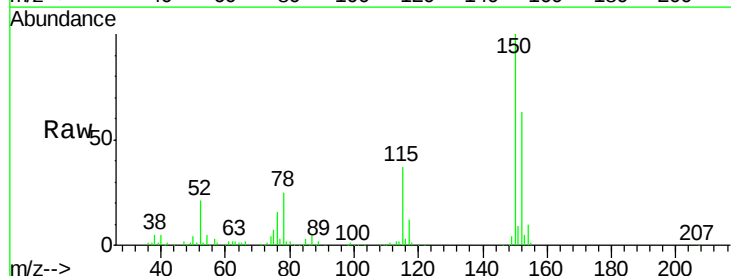


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

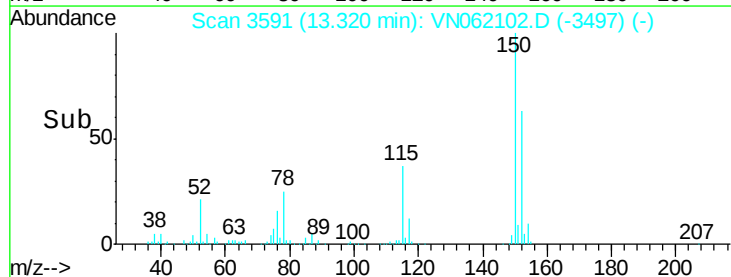
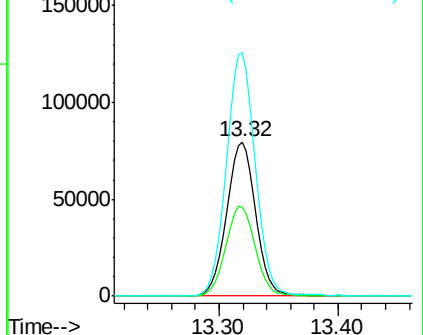


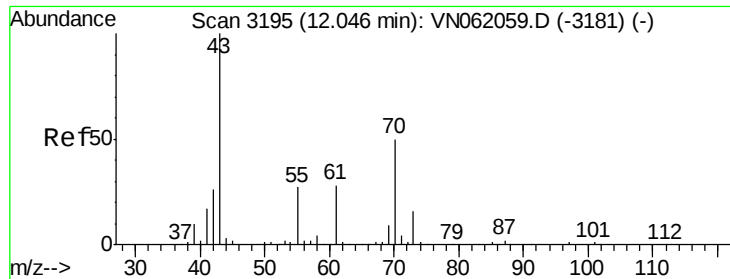
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. 0.00 min
Lab File: VN062102.D
Acq: 25 Jun 2020 11:16

Tgt Ion:152 Resp: 134257
Ion Ratio Lower Upper
152 100
115 59.5 29.5 88.5
150 157.3 0.0 351.4



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

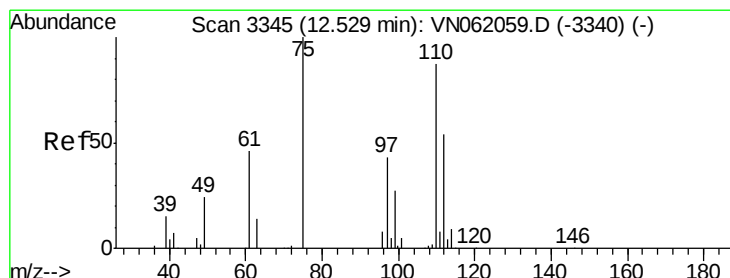
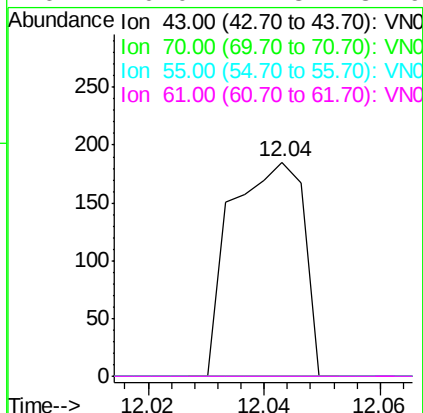
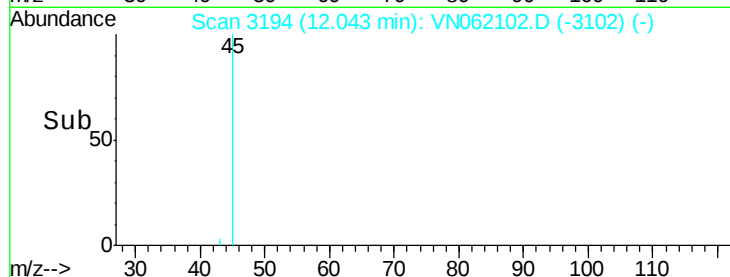
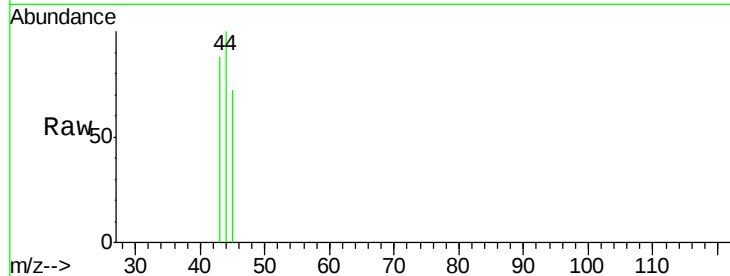




#74
N-ethyl acetate
Concen: 3.382 ug/l
RT: 12.04 min Scan# 3194
Delta R.T. -0.00 min
Lab File: VN062102.D
Acq: 25 Jun 2020 11:16

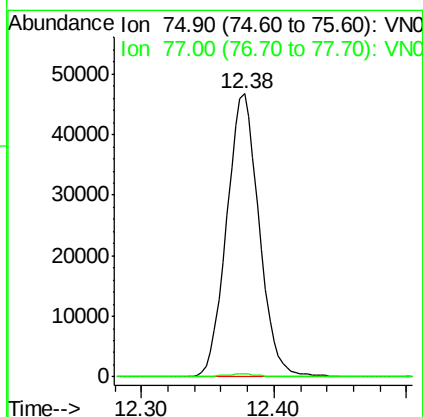
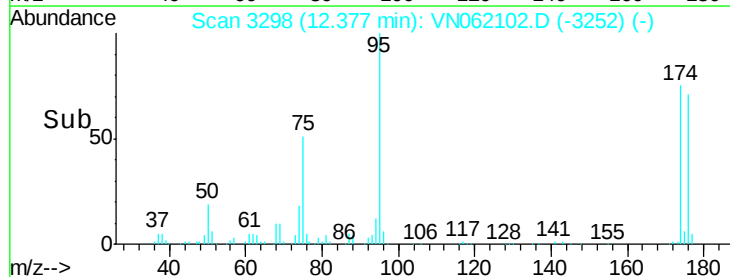
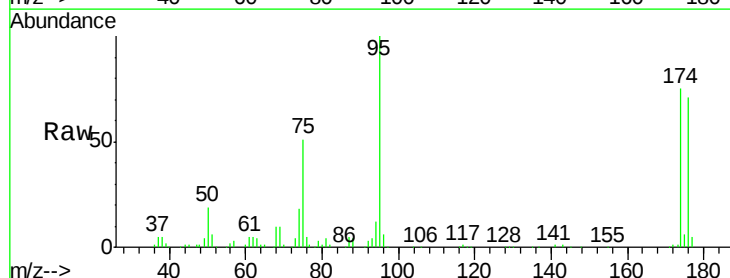
Instrument :
MSVOA_N
ClientSampleId :
VN0625WBL01

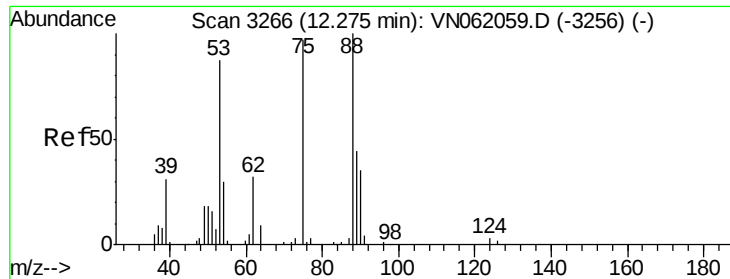
Tgt Ion: 43 Resp: 160
Ion Ratio Lower Upper
43 100
70 0.0 39.4 59.2#
55 0.0 21.7 32.5#
61 0.0 21.3 31.9#



#76
1,2,3-Trichloropropane
Concen: 25.105 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.15 min
Lab File: VN062102.D
Acq: 25 Jun 2020 11:16

Tgt Ion: 75 Resp: 79346
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 73.317 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062102.D

Acq: 25 Jun 2020 11:16

Instrument :

MSVOA_N

ClientSampleId :

VN0625WBL01

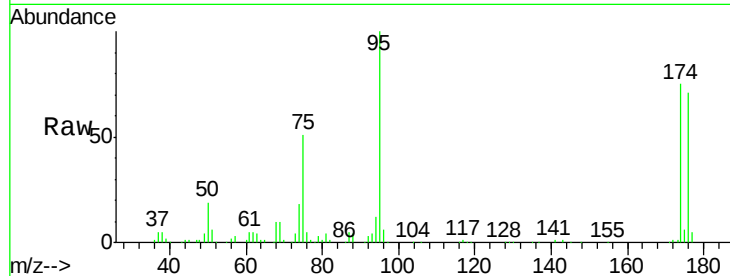
Tgt Ion: 75 Resp: 79346

Ion Ratio Lower Upper

75 100

53 0.0 72.0 108.0#

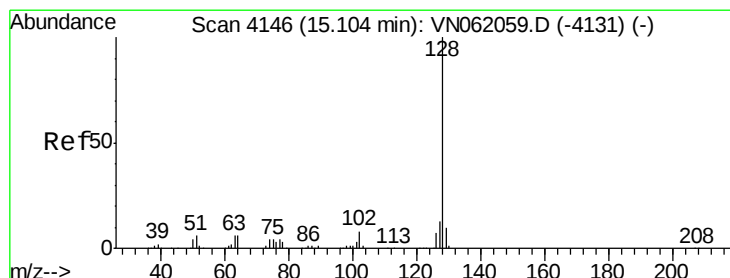
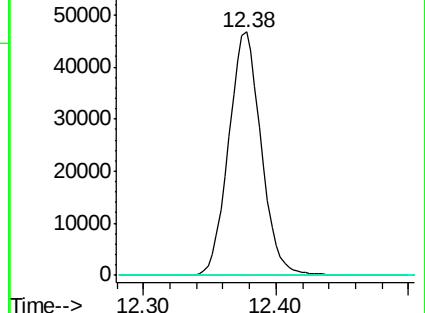
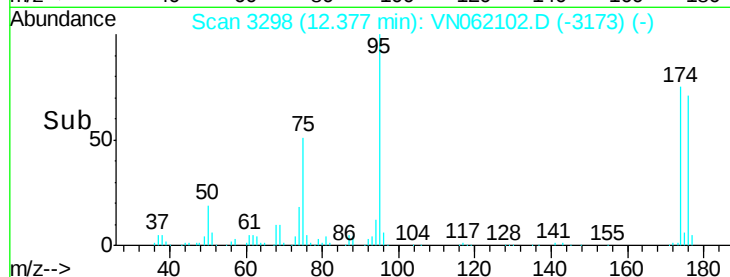
89 0.0 36.9 55.3#



Abundance Ion 74.90 (74.60 to 75.60): VN062102.D (-3173) (-)

Ion 53.00 (52.70 to 53.70): VN062102.D (-3173) (-)

Ion 88.90 (88.60 to 89.60): VN062102.D (-3173) (-)



#95

Naphthalene

Concen: 4.128 ug/l

RT: 15.12 min Scan# 4151

Delta R.T. 0.02 min

Lab File: VN062102.D

Acq: 25 Jun 2020 11:16

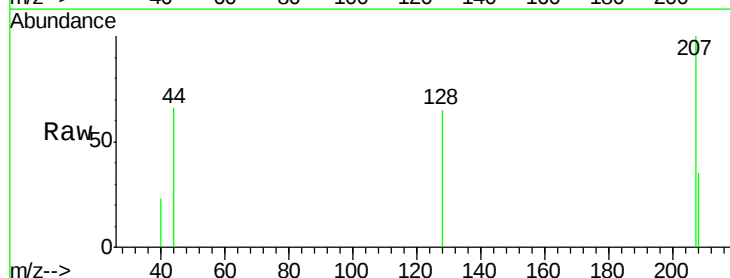
Tgt Ion: 128 Resp: 928

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 0.0 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): VN062102.D (-4053) (-)

Ion 127.00 (126.70 to 127.70): VN062102.D (-4053) (-)

Ion 129.00 (128.70 to 129.70): VN062102.D (-4053) (-)

