

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062920\
 Data File : VN062189.D
 Acq On : 29 Jun 2020 15:42
 Operator : JC/MD
 Sample : L3088-07DL 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 48BR-20200622DL

Quant Time: Jun 30 04:26:52 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	217736	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	416221	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	398203	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	146754	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	163718	53.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.16%	
35) Dibromofluoromethane	7.55	113	131297	49.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.34%	
50) Toluene-d8	10.06	98	527564	49.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.86%	
62) 4-Bromofluorobenzene	12.38	95	170146	47.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.36%	

Target Compounds

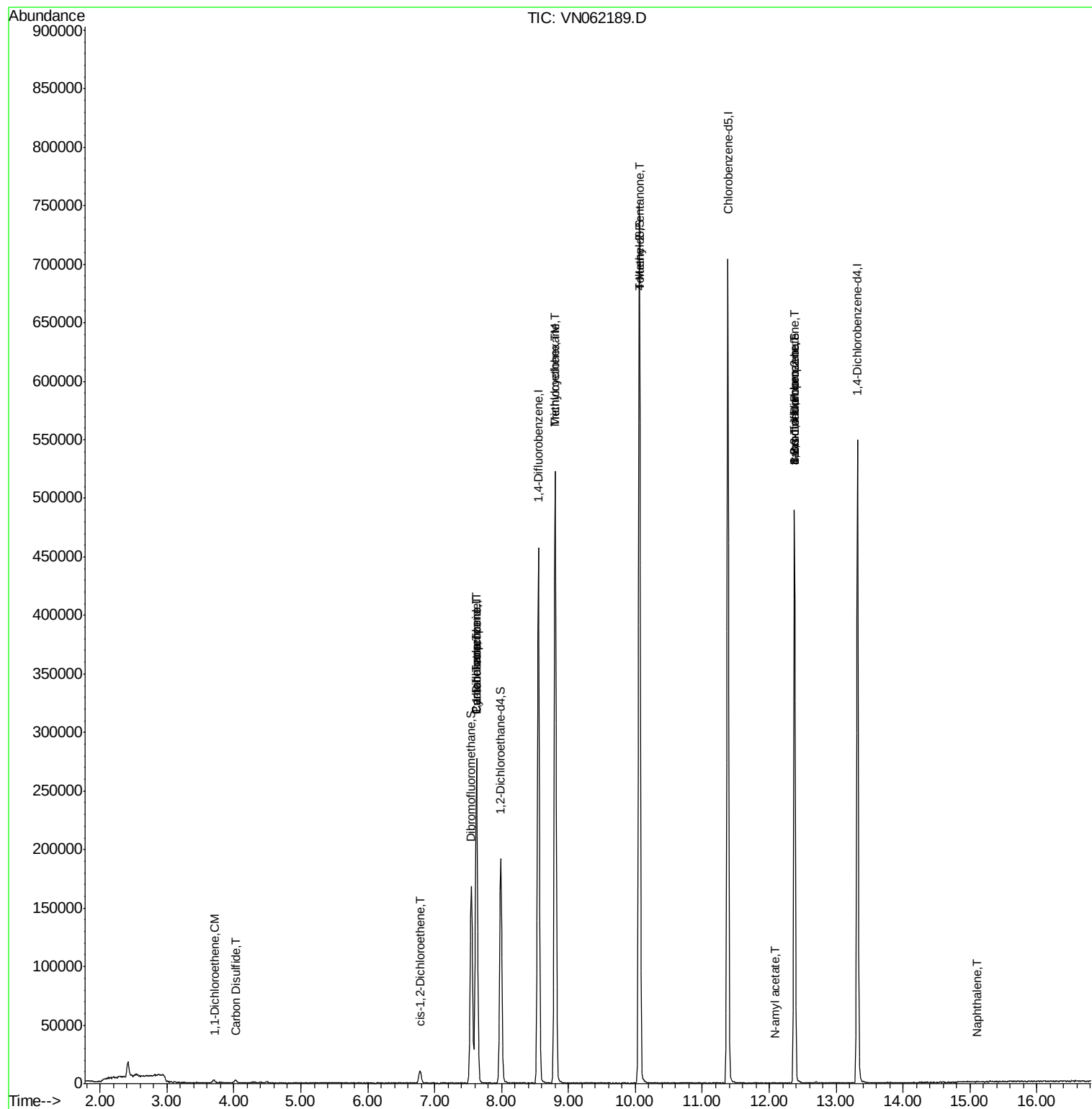
						Qvalue
3) Chloromethane	2.03	50	486	Below Cal	#	41
12) 1,1-Dichloroethene	3.70	96	1326	0.530	ug/l #	60
16) Acetone	3.78	43	887	Below Cal	#	40
17) Carbon Disulfide	4.01	76	1151	0.211	ug/l #	75
20) Methylene Chloride	4.50	84	172	Below Cal	#	42
27) cis-1,2-Dichloroethene	6.78	96	6838	2.134	ug/l	85
31) Cyclohexane	7.63	56	5270	1.248	ug/l #	27
36) 1,1-Dichloropropene	7.62	75	18532	4.430	ug/l #	49
38) Carbon Tetrachloride	7.63	117	22516	5.709	ug/l #	15
39) Methylcyclohexane	8.80	83	2482	0.541	ug/l #	1
44) Trichloroethene	8.80	130	193633	60.198	ug/l	100
51) 4-Methyl-2-Pentanone	10.06	43	2031	0.616	ug/l #	1
71) Bromoform	12.38	173	1519	0.707	ug/l #	1
74) N-amyl acetate	12.09	43	29	3.350	ug/l #	38
76) 1,2,3-Trichloropropane	12.38	75	87153	25.227	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	87153	73.673	ug/l #	13
95) Naphthalene	15.11	128	810	4.101	ug/l #	69

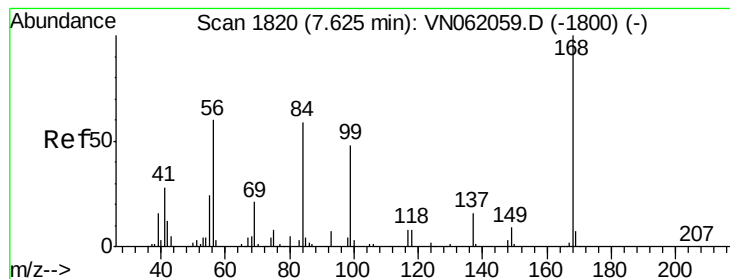
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062189.D

Acq: 29 Jun 2020 15:42

Instrument :

MSVOA_N

ClientSampleId :

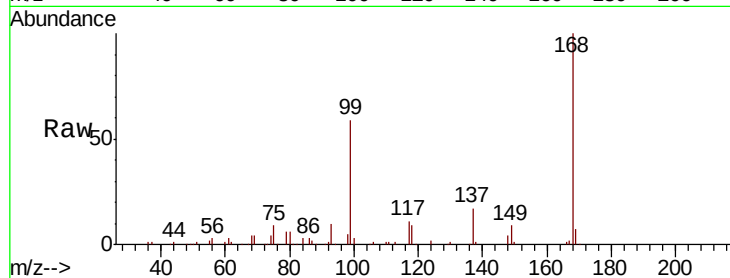
48BR-20200622DL

Tot Ion:168 Resp: 217736

Ion Ratio Lower Upper

168 100

99 58.9 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

100000

80000

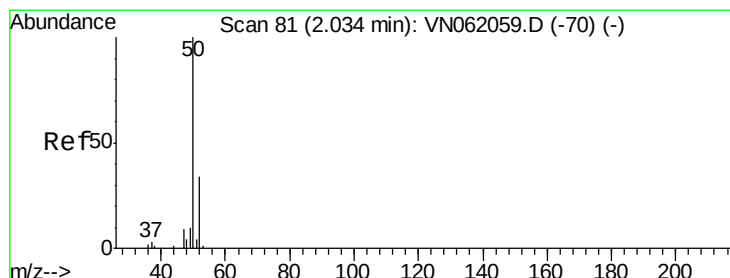
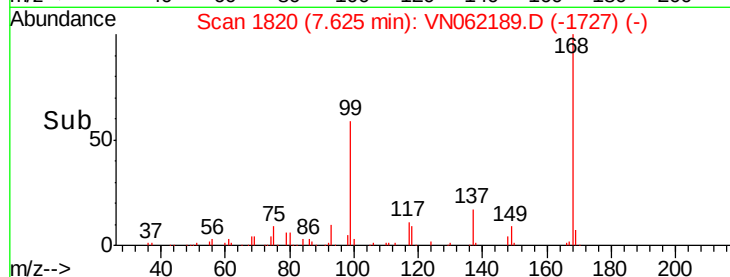
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: Below Cal

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN062189.D

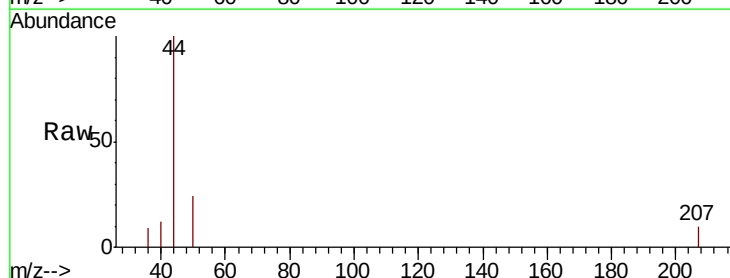
Acq: 29 Jun 2020 15:42

Tgt Ion: 50 Resp: 486

Ion Ratio Lower Upper

50 100

52 0.0 27.0 40.6#



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.03

500

400

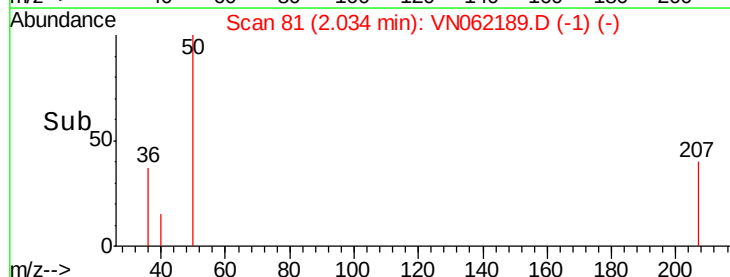
300

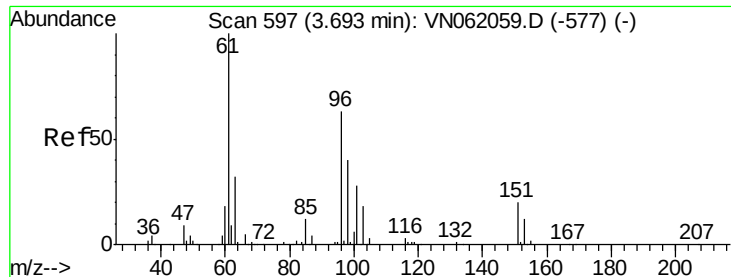
200

100

0

Time--> 2.00 2.02 2.04 2.06

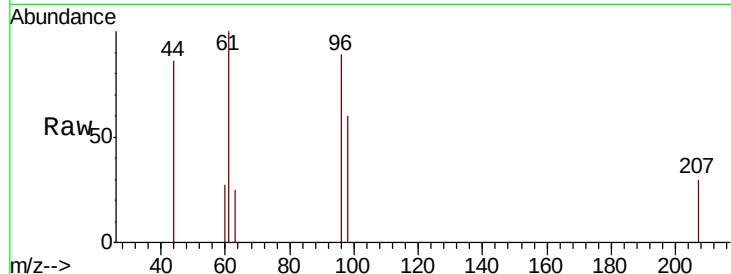




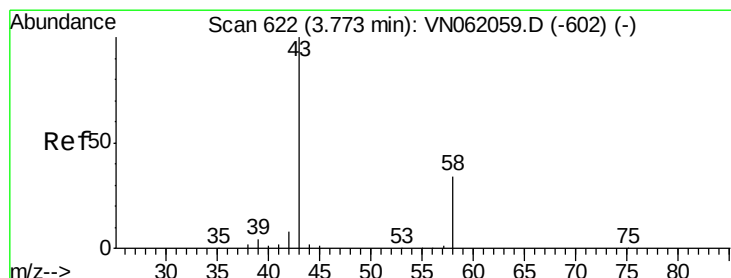
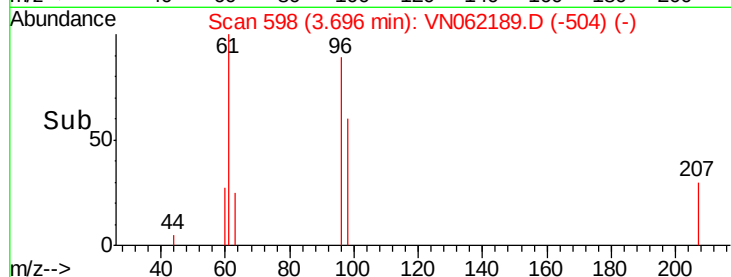
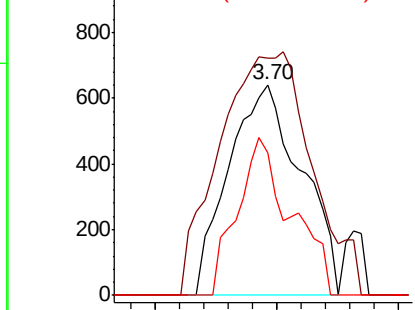
#12
 1,1-Dichloroethene
 Concen: 0.530 ug/l
 RT: 3.70 min Scan# 598
 Delta R.T. 0.00 min
 Lab File: VN062189.D
 Acq: 29 Jun 2020 15:42

Instrument :
 MSVOA_N
 ClientSampleId :
 48BR-20200622DL

Tot Ion: 96 Resp: 1326
 Ion Ratio Lower Upper
 96 100
 61 88.0 126.7 190.1#
 98 67.4 51.0 76.4

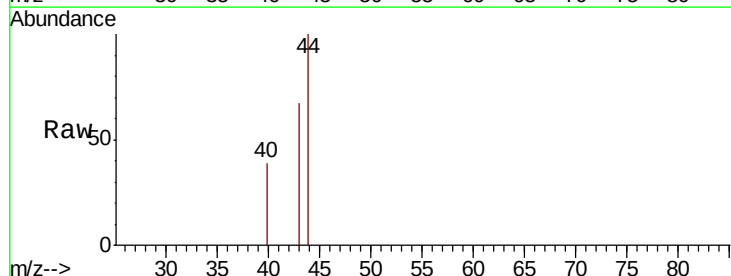


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

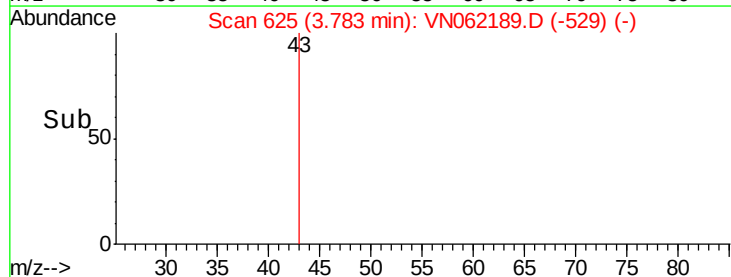
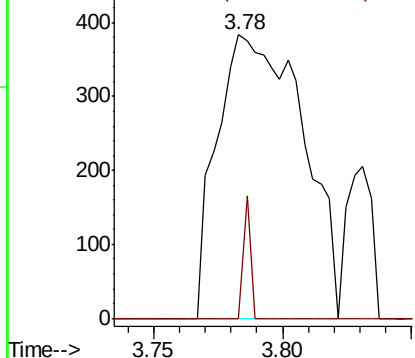


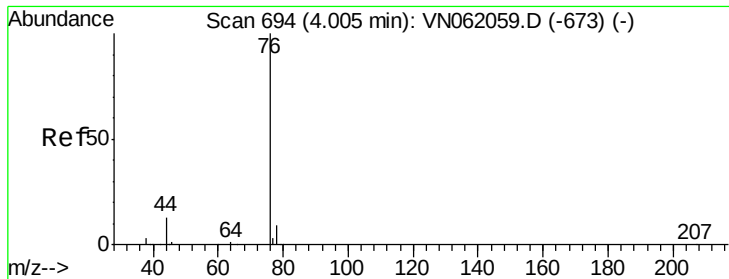
#16
 Acetone
 Concen: Below Cal
 RT: 3.78 min Scan# 625
 Delta R.T. 0.01 min
 Lab File: VN062189.D
 Acq: 29 Jun 2020 15:42

Tgt Ion: 43 Resp: 887
 Ion Ratio Lower Upper
 43 100
 58 0.0 27.5 41.3#



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





#17

Carbon Disulfide

Concen: 0.211 ug/l

RT: 4.01 min Scan# 697

Delta R.T. 0.01 min

Lab File: VN062189.D

Acq: 29 Jun 2020 15:42

Instrument :

MSVOA_N

ClientSampleId :

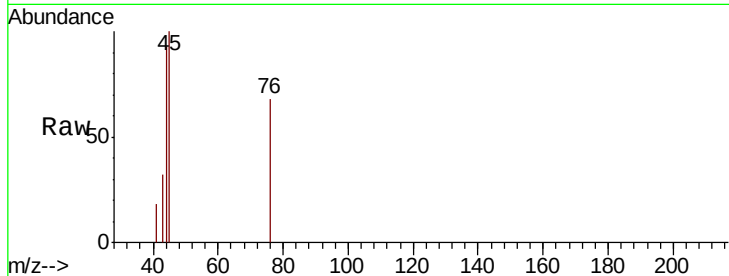
48BR-20200622DL

Tot Ion: 76 Resp: 1151

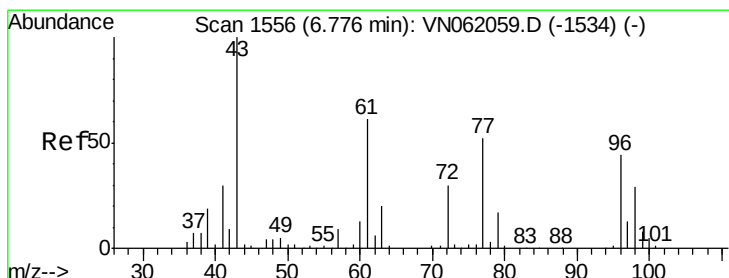
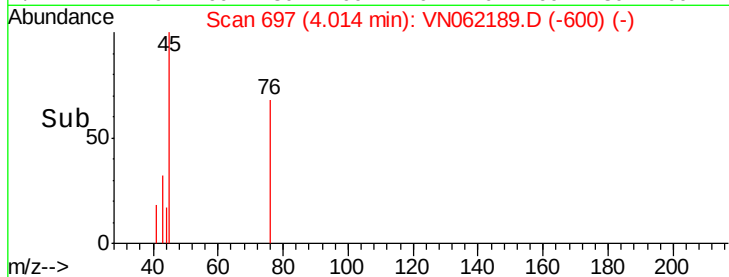
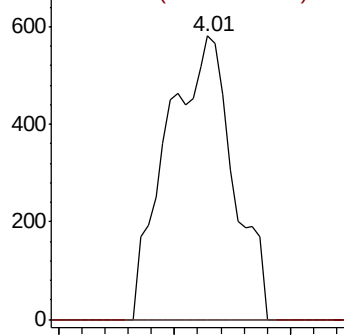
Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VN062189.D (-600) (-)



#27

cis-1,2-Dichloroethene

Concen: 2.134 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. -0.00 min

Lab File: VN062189.D

Acq: 29 Jun 2020 15:42

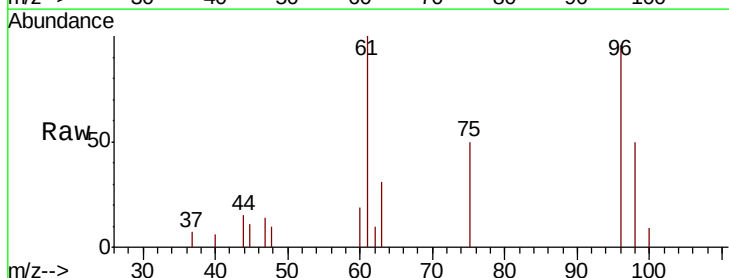
Tgt Ion: 96 Resp: 6838

Ion Ratio Lower Upper

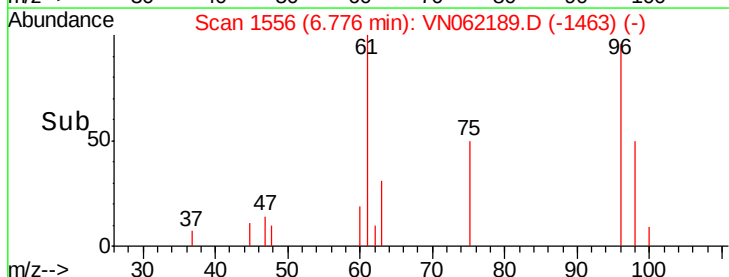
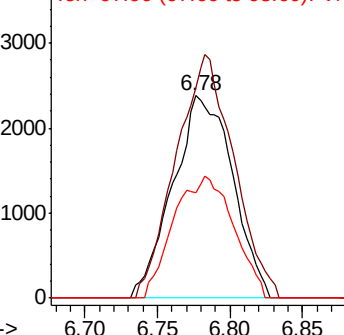
96 100

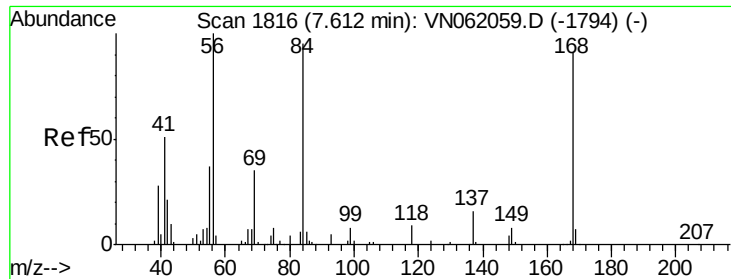
61 116.2 0.0 280.4

98 60.4 0.0 129.4



Abundance Ion 95.90 (95.60 to 96.60): VN062189.D (-1463) (-)

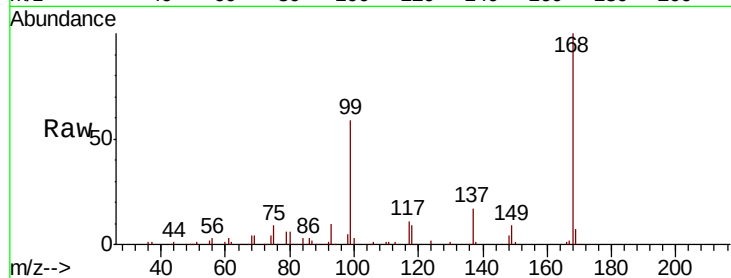




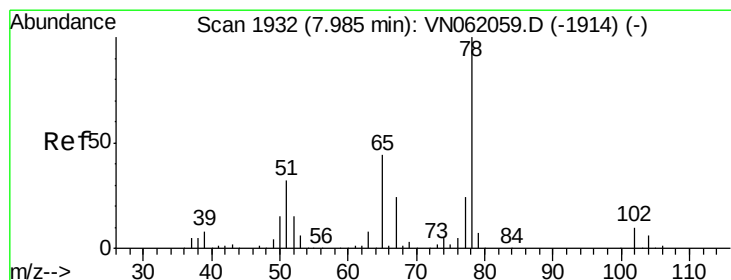
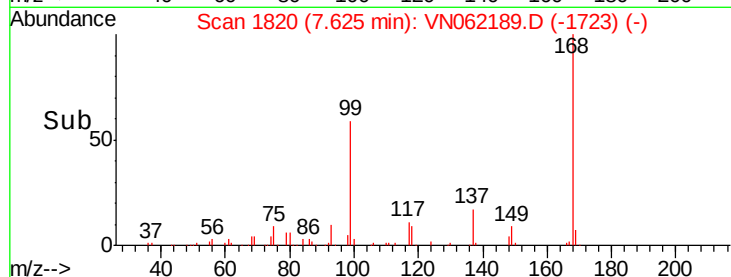
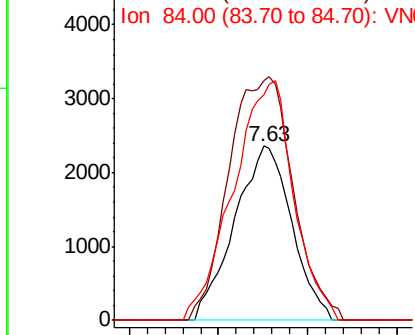
#31
Cyclohexane
Concen: 1.248 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. 0.01 min
Lab File: VN062189.D
Acq: 29 Jun 2020 15:42

Instrument :
MSVOA_N
ClientSampleId :
48BR-20200622DL

Tot Ion: 56 Resp: 5270
Ion Ratio Lower Upper
56 100
69 137.2 28.0 42.0#
84 129.8 76.1 114.1#

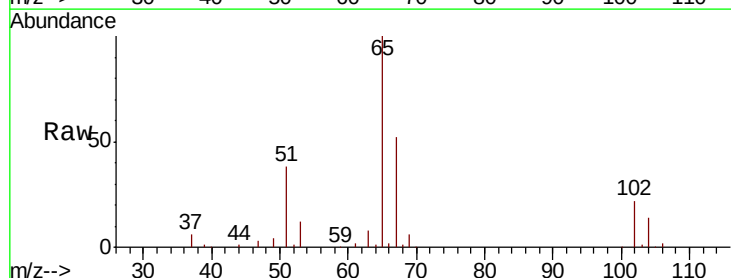


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

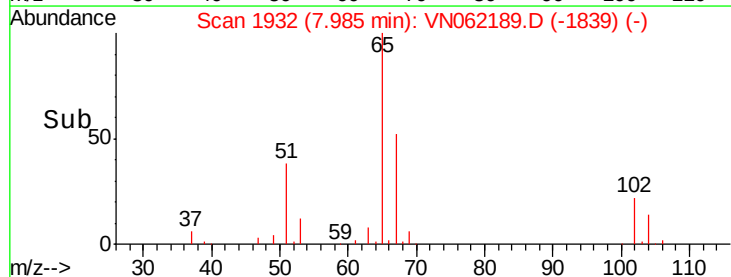
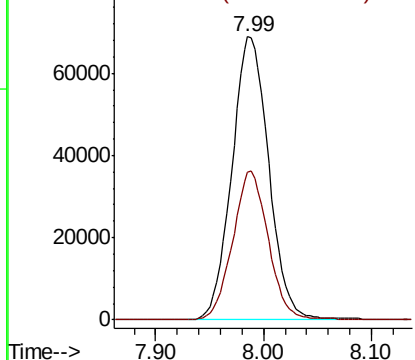


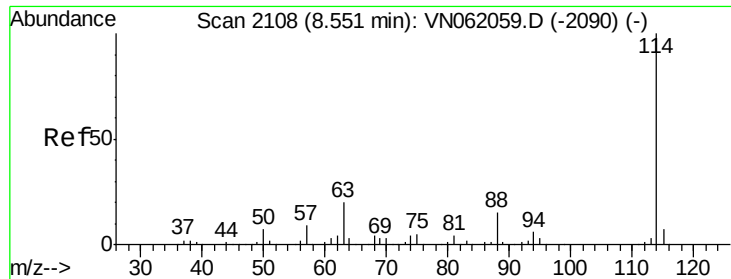
#33
1,2-Dichloroethane-d4
Concen: 53.580 ug/l
RT: 7.99 min Scan# 1932
Delta R.T. -0.00 min
Lab File: VN062189.D
Acq: 29 Jun 2020 15:42

Tgt Ion: 65 Resp: 163718
Ion Ratio Lower Upper
65 100
67 50.8 0.0 106.2



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

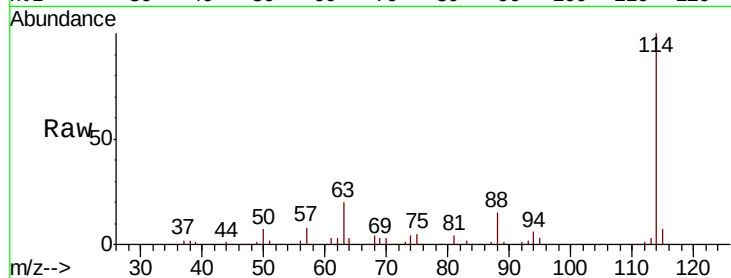




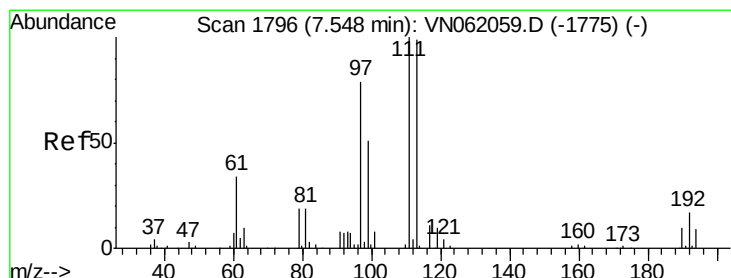
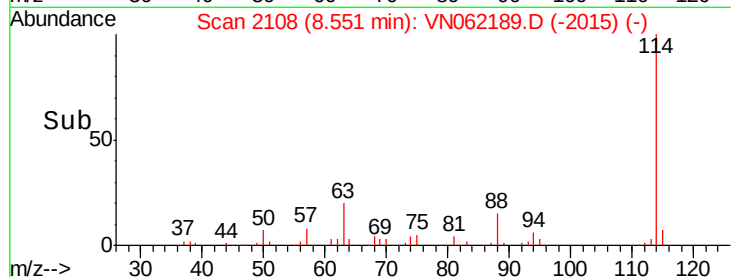
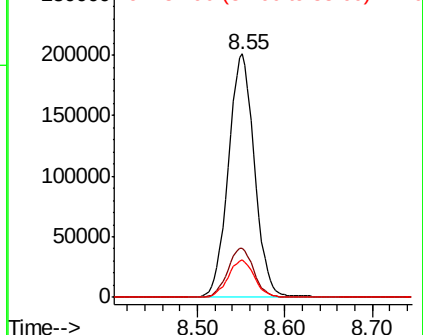
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062189.D
 Acq: 29 Jun 2020 15:42

Instrument :
 MSVOA_N
 ClientSampleId :
 48BR-20200622DL

Tot Ion:114 Resp: 416221
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 39.2
 88 15.2 0.0 30.8

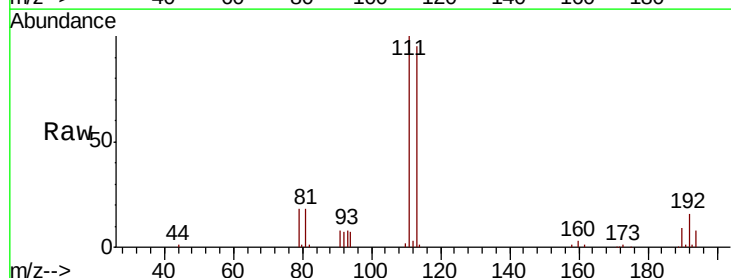


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

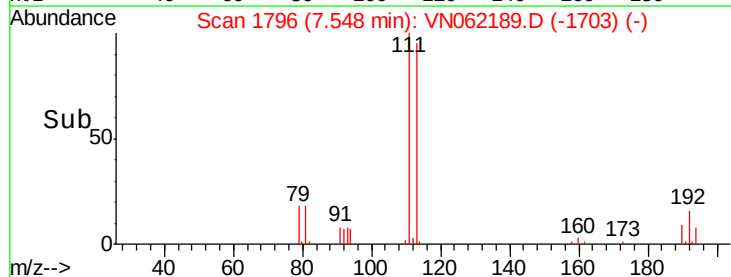
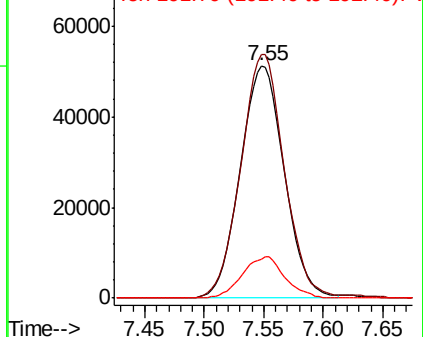


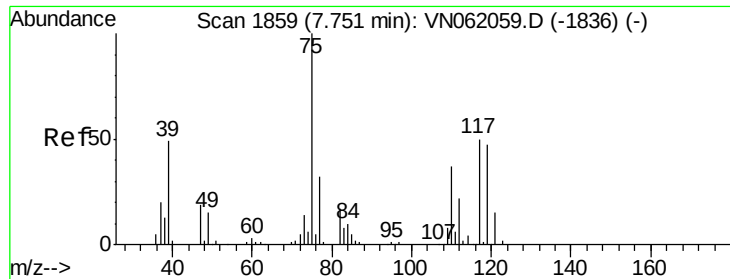
#35
 Dibromofluoromethane
 Concen: 49.170 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062189.D
 Acq: 29 Jun 2020 15:42

Tgt Ion:113 Resp: 131297
 Ion Ratio Lower Upper
 113 100
 111 103.5 82.2 123.4
 192 17.2 14.0 21.0



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

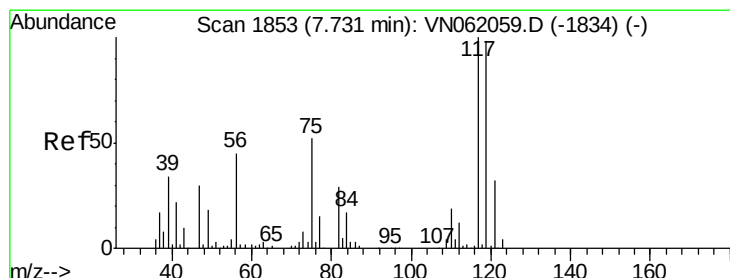
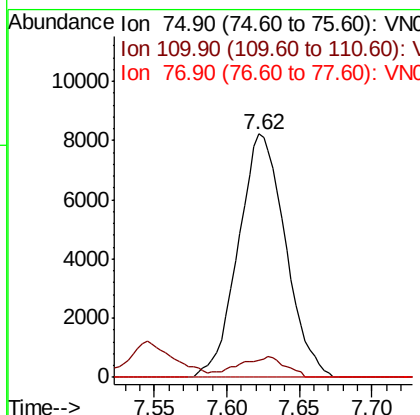
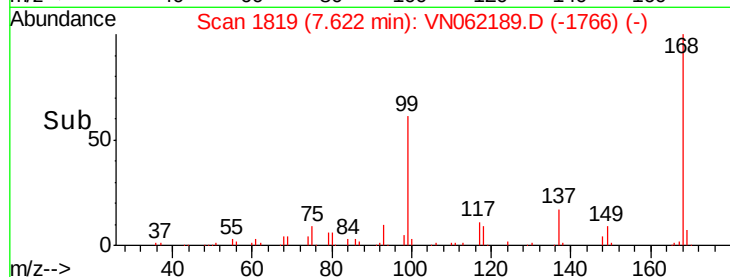
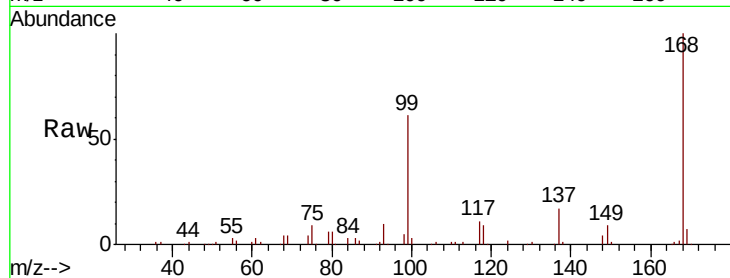




#36
 1,1-Dichloropropene
 Concen: 4.430 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.13 min
 Lab File: VN062189.D
 Acq: 29 Jun 2020 15:42

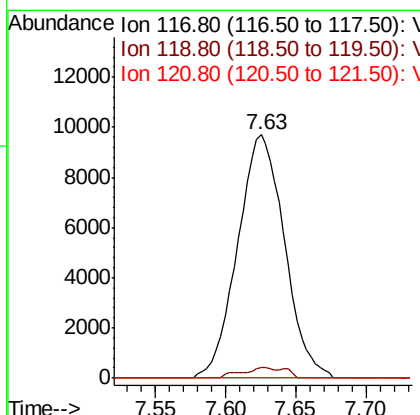
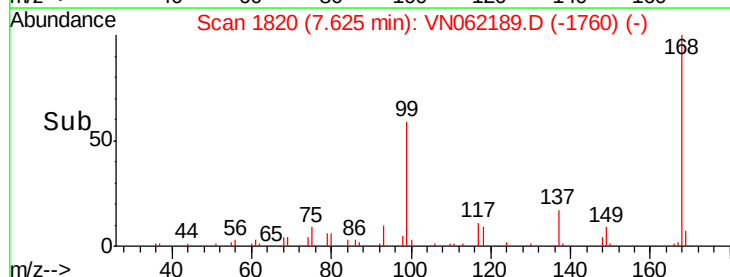
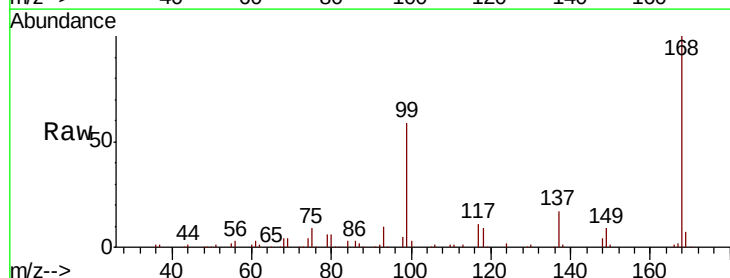
Instrument :
 MSVOA_N
 ClientSampleId :
 48BR-20200622DL

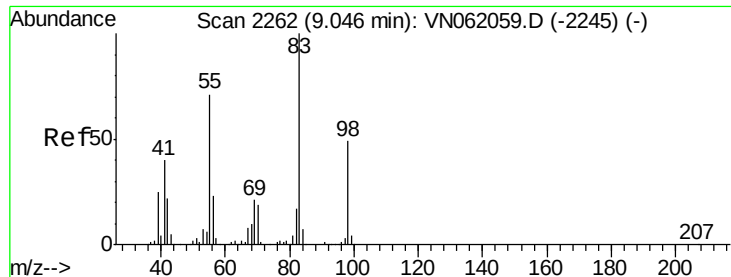
Tot Ion: 75 Resp: 18532
 Ion Ratio Lower Upper
 75 100
 110 8.4 17.9 53.8#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 5.709 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.11 min
 Lab File: VN062189.D
 Acq: 29 Jun 2020 15:42

Tgt Ion: 117 Resp: 22516
 Ion Ratio Lower Upper
 117 100
 119 4.5 78.2 117.2#
 121 0.0 25.8 38.6#

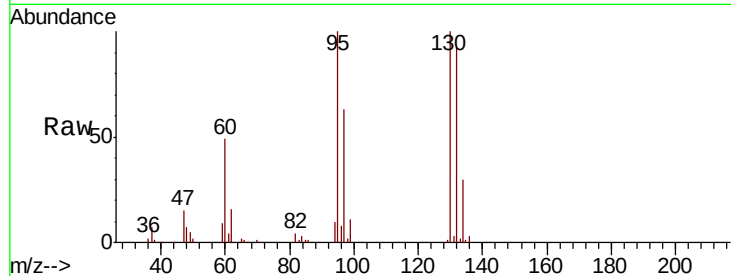




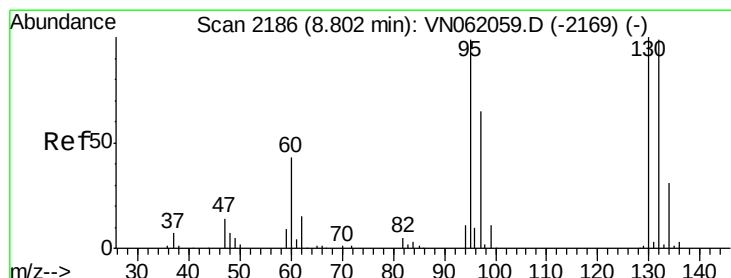
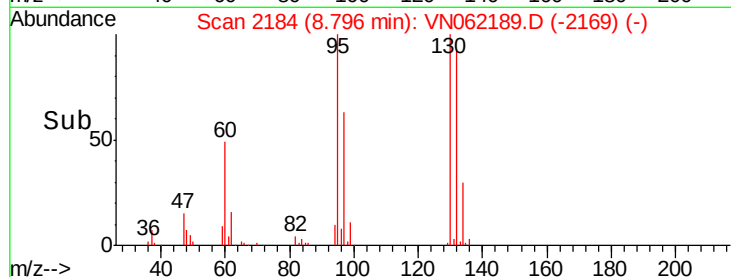
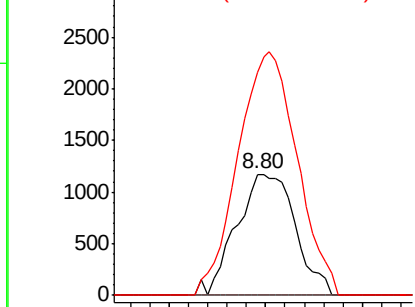
#39
Methylcyclohexane
Concen: 0.541 ug/l
RT: 8.80 min Scan# 2184
Delta R.T. -0.25 min
Lab File: VN062189.D
Acq: 29 Jun 2020 15:42

Instrument :
MSVOA_N
ClientSampleId :
48BR-20200622DL

Tot Ion: 83 Resp: 2482
Ion Ratio Lower Upper
83 100
55 0.0 57.0 85.6#
98 183.9 39.0 58.6#

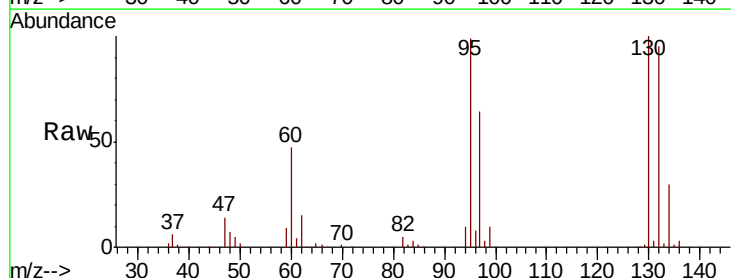


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

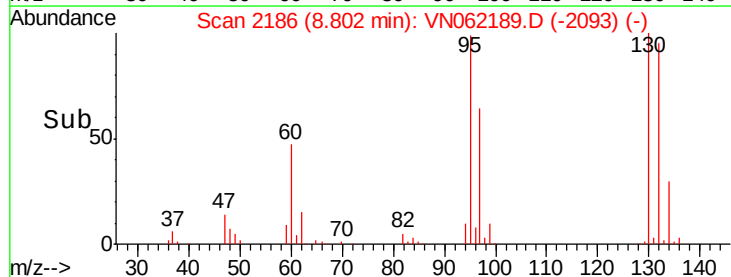
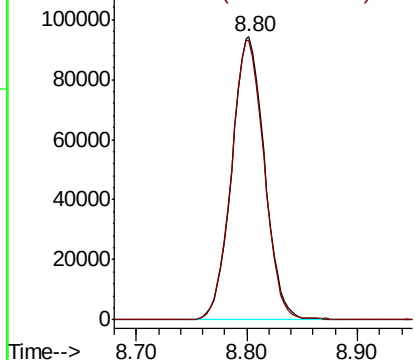


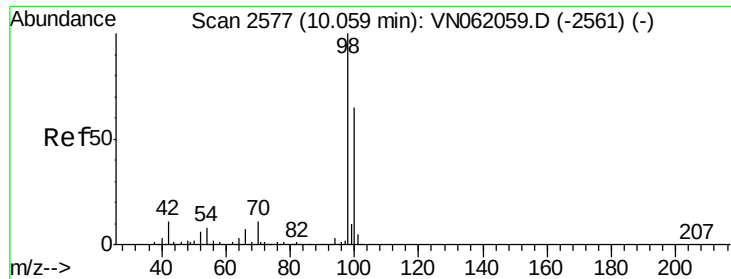
#44
Trichloroethene
Concen: 60.198 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. -0.00 min
Lab File: VN062189.D
Acq: 29 Jun 2020 15:42

Tgt Ion: 130 Resp: 193633
Ion Ratio Lower Upper
130 100
95 98.7 0.0 197.8



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VN0





#50

Toluene-d8

Concen: 49.426 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062189.D

Acq: 29 Jun 2020 15:42

Instrument :

MSVOA_N

ClientSampleId :

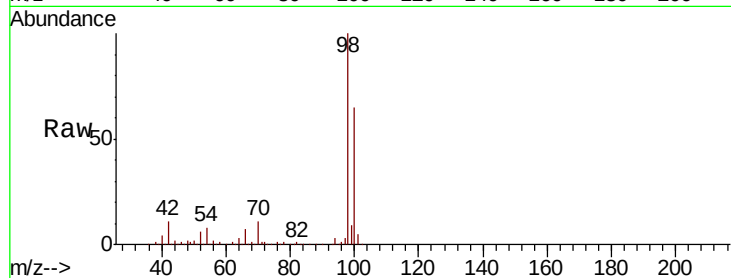
48BR-20200622DL

Tot Ion: 98 Resp: 527564

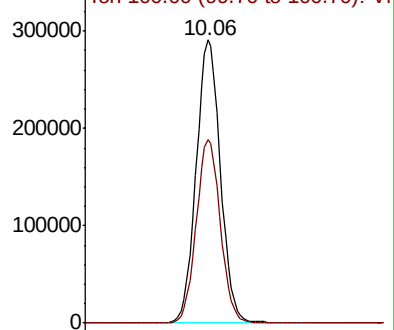
Ion Ratio Lower Upper

98 100

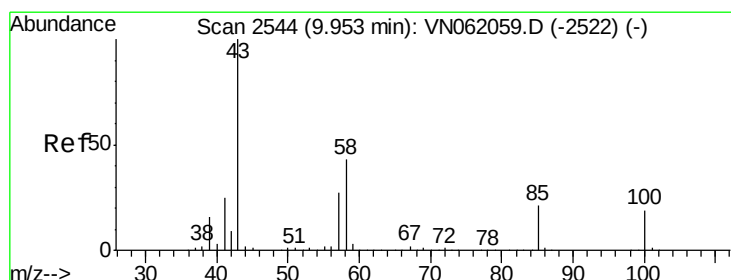
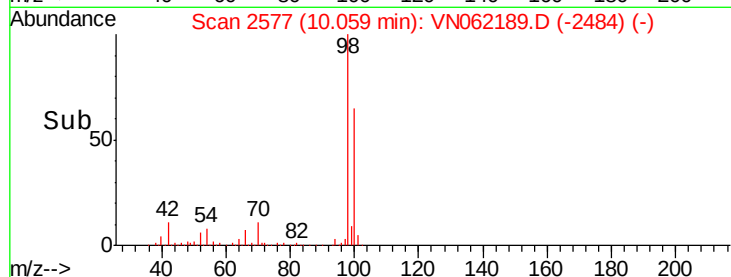
100 64.5 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN062189.D (-2484) (-)



Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.616 ug/l

RT: 10.06 min Scan# 2578

Delta R.T. 0.11 min

Lab File: VN062189.D

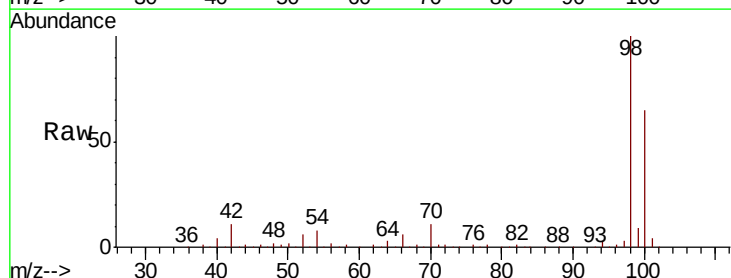
Acq: 29 Jun 2020 15:42

Tgt Ion: 43 Resp: 2031

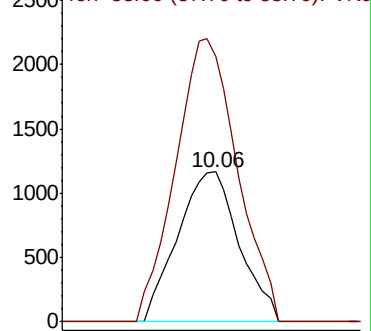
Ion Ratio Lower Upper

43 100

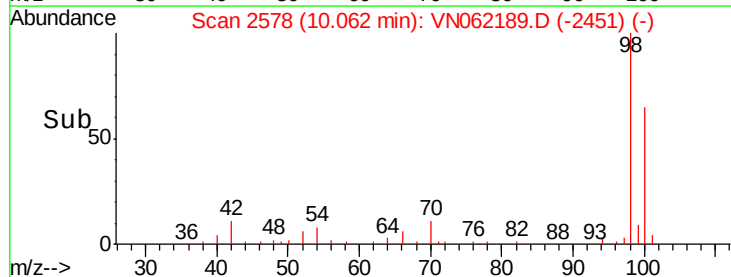
58 190.5 34.2 51.2#

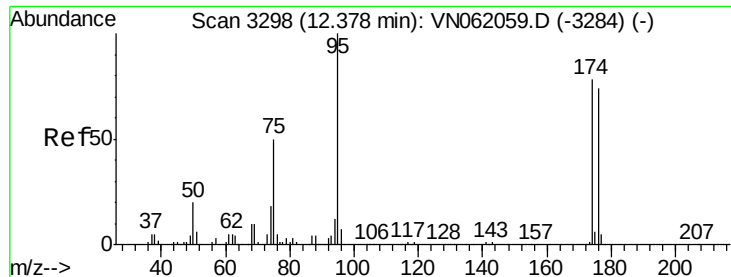


Abundance Ion 43.00 (42.70 to 43.70): VN062189.D (-2451) (-)



Time-->

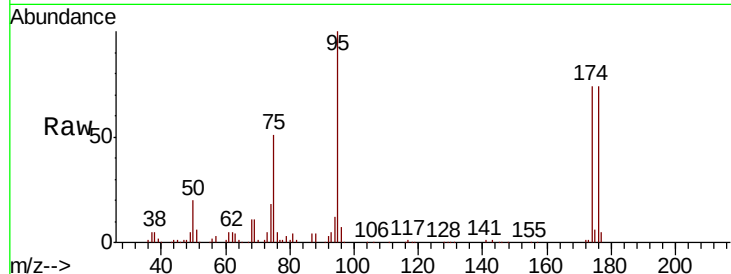




#62
4-Bromofluorobenzene
Concen: 47.181 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN062189.D
Acq: 29 Jun 2020 15:42

Instrument :
MSVOA_N
ClientSampleId :
48BR-20200622DL

Tot Ion	Ratio	Lower	Upper
95	100		
174	75.3	0.0	154.8
176	73.0	0.0	147.4

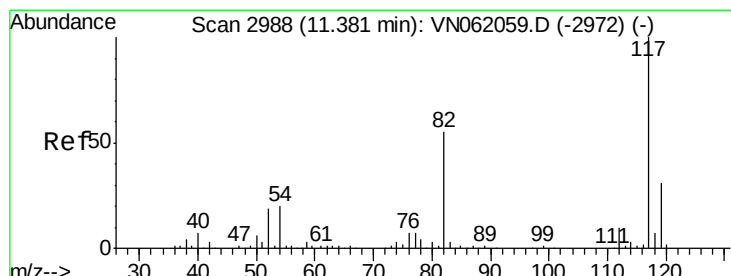
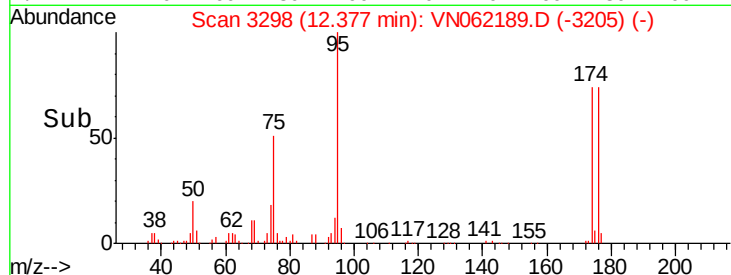
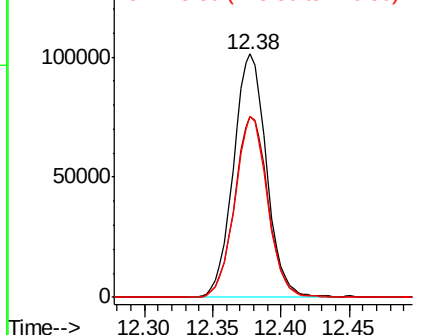


Abundance

Ion 94.90 (94.60 to 95.60): VN062189.D (-3205) (-)

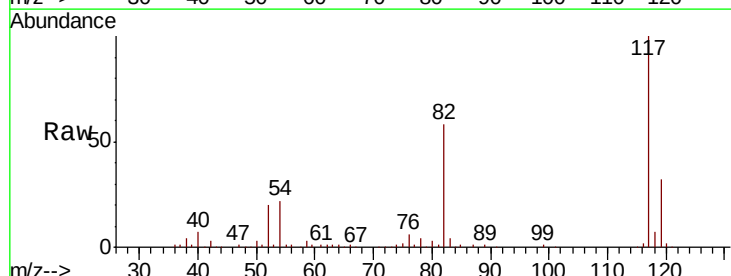
Ion 173.80 (173.50 to 174.50): VN062189.D (-3205) (-)

Ion 175.80 (175.50 to 176.50): VN062189.D (-3205) (-)



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062189.D
Acq: 29 Jun 2020 15:42

Tgt Ion	Ratio	Lower	Upper
117	100		
82	57.9	43.8	65.8
119	32.3	25.2	37.8

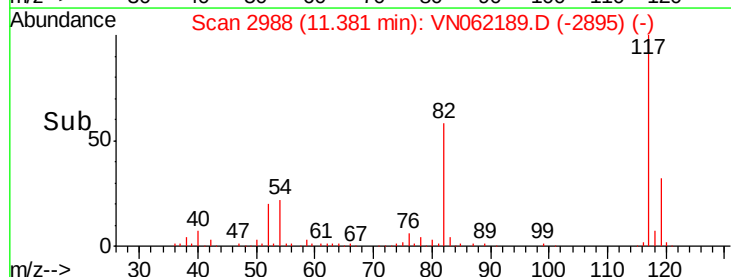
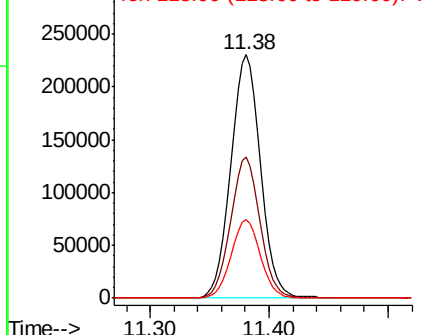


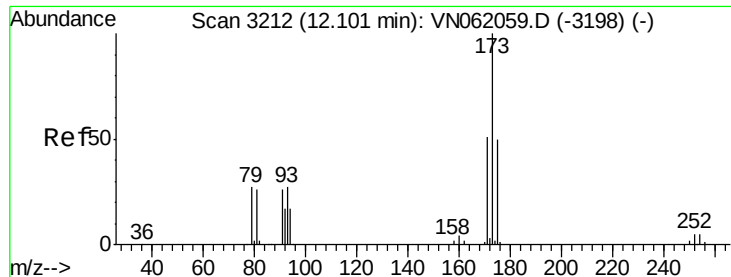
Abundance

Ion 116.90 (116.60 to 117.60): VN062189.D (-2895) (-)

Ion 82.00 (81.70 to 82.70): VN062189.D (-2895) (-)

Ion 118.90 (118.60 to 119.60): VN062189.D (-2895) (-)





#71

Bromoform

Concen: 0.707 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.28 min

Lab File: VN062189.D

Acq: 29 Jun 2020 15:42

Instrument :

MSVOA_N

ClientSampleId :

48BR-20200622DL

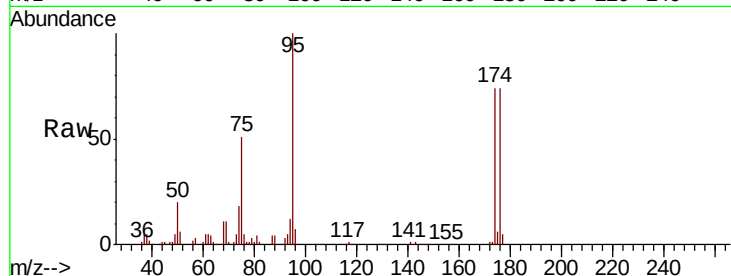
Tot Ion:173 Resp: 1519

Ion Ratio Lower Upper

173 100

175 542.3 24.7 74.1#

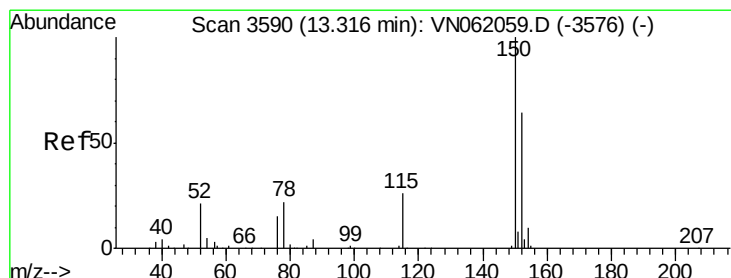
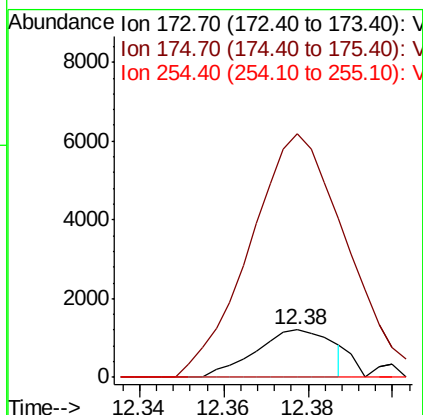
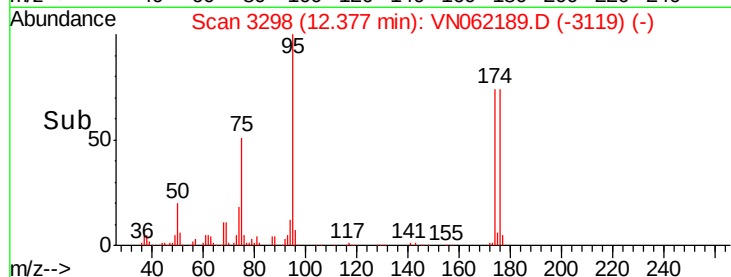
254 0.0 0.0 0.0



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: VN062189.D

Acq: 29 Jun 2020 15:42

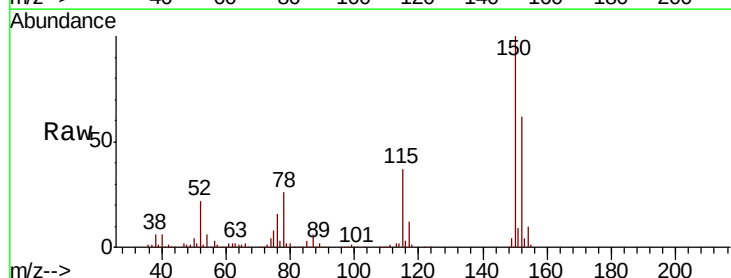
Tgt Ion:152 Resp: 146754

Ion Ratio Lower Upper

152 100

115 59.5 29.5 88.5

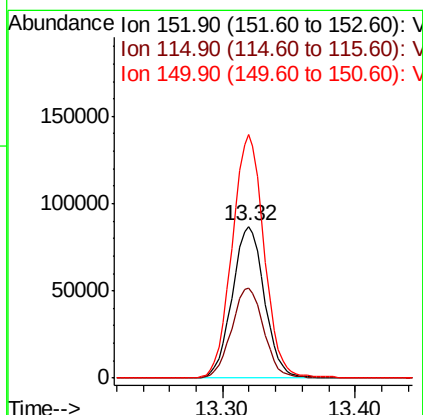
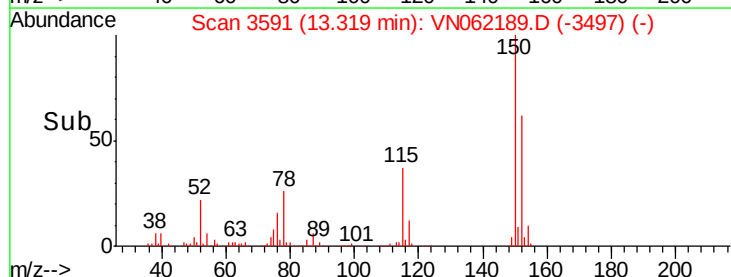
150 159.8 0.0 351.4

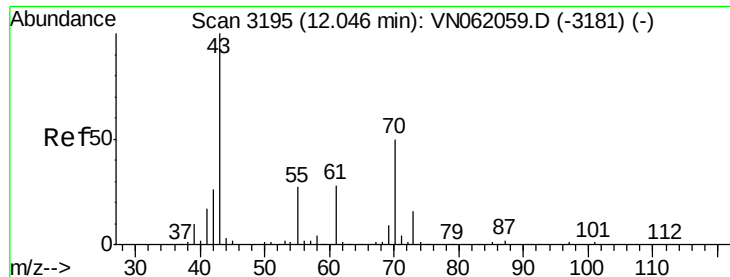


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 3.350 ug/l

RT: 12.09 min Scan# 3210

Delta R.T. 0.05 min

Lab File: VN062189.D

Acq: 29 Jun 2020 15:42

Instrument :

MSVOA_N

ClientSampleId :

48BR-20200622DL

Tot Ion: 43 Resp: 29

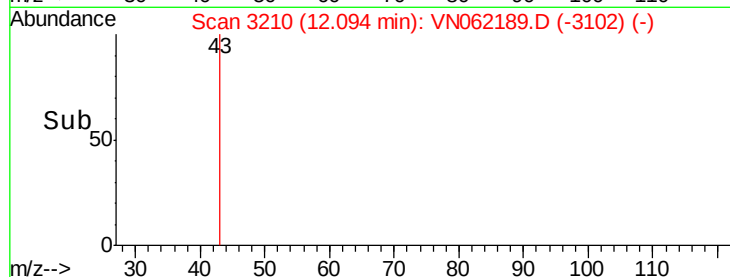
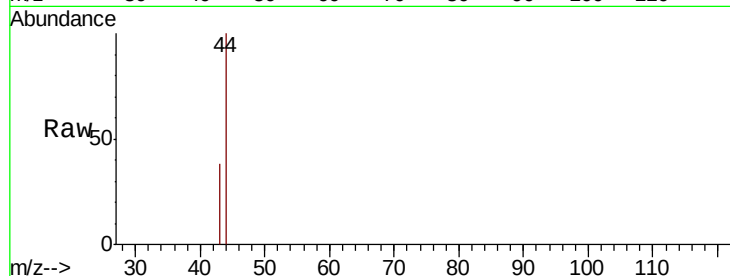
Ion Ratio Lower Upper

43 100

70 0.0 39.4 59.2#

55 0.0 21.7 32.5#

61 0.0 21.3 31.9#

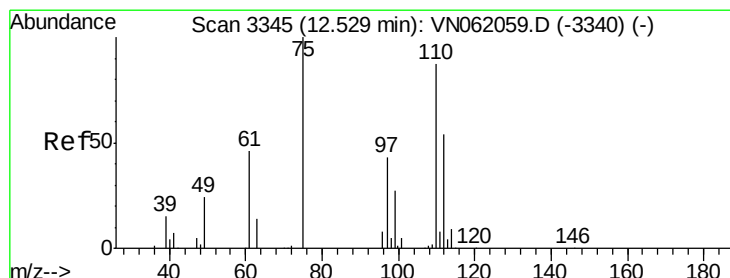
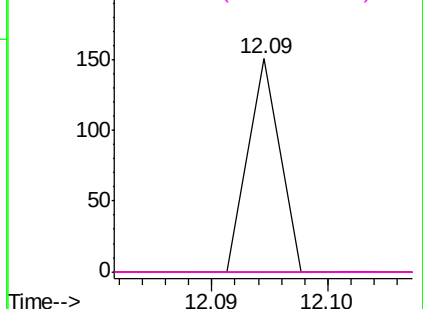


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 25.227 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062189.D

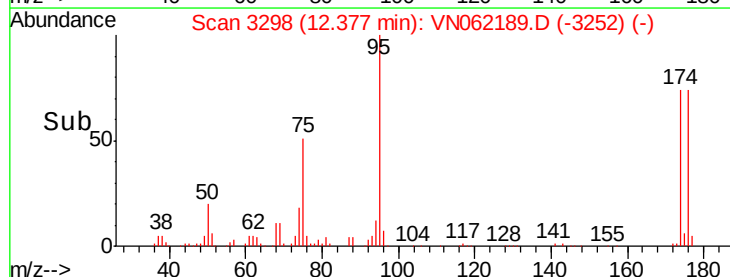
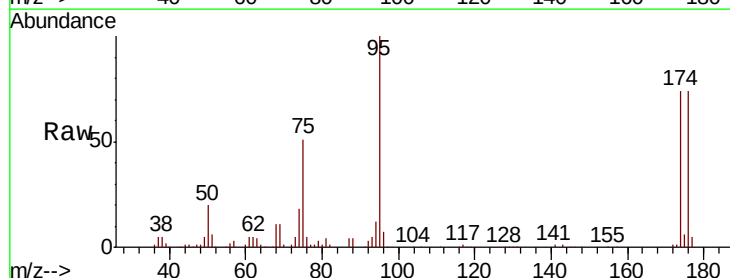
Acq: 29 Jun 2020 15:42

Tgt Ion: 75 Resp: 87153

Ion Ratio Lower Upper

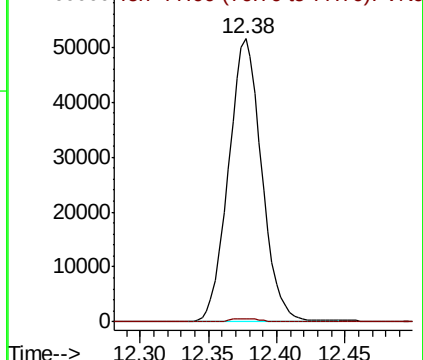
75 100

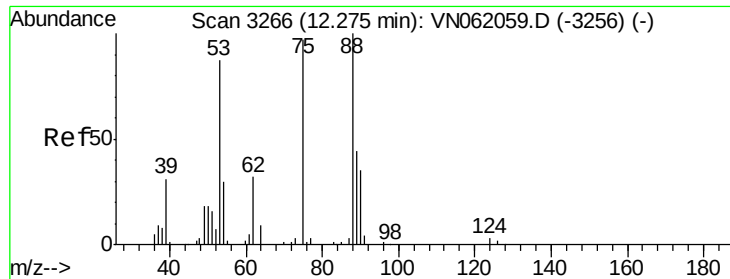
77 1.0 0.0 0.0#



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: 73.673 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062189.D

Acq: 29 Jun 2020 15:42

Instrument :

MSVOA_N

ClientSampleId :

48BR-20200622DL

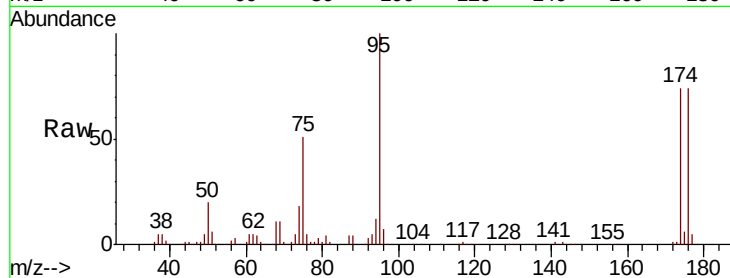
Tot Ion: 75 Resp: 87153

Ion Ratio Lower Upper

75 100

53 0.0 72.0 108.0#

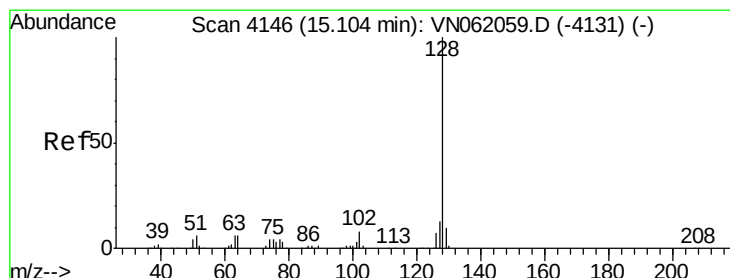
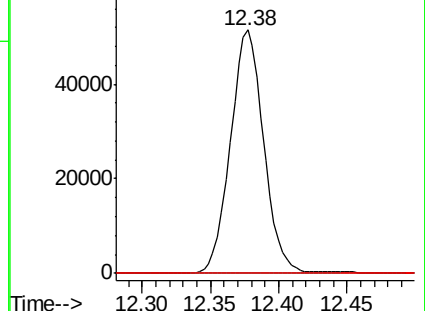
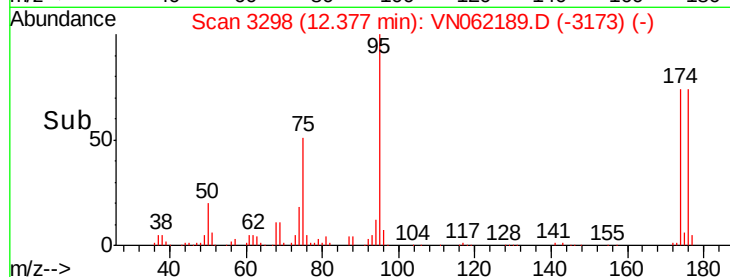
89 0.0 36.9 55.3#



Abundance Ion 74.90 (74.60 to 75.60): VN062189.D (-3173) (-)

Ion 53.00 (52.70 to 53.70): VN062189.D (-3173) (-)

Ion 88.90 (88.60 to 89.60): VN062189.D (-3173) (-)



#95

Naphthalene

Concen: 4.101 ug/l

RT: 15.11 min Scan# 4148

Delta R.T. 0.01 min

Lab File: VN062189.D

Acq: 29 Jun 2020 15:42

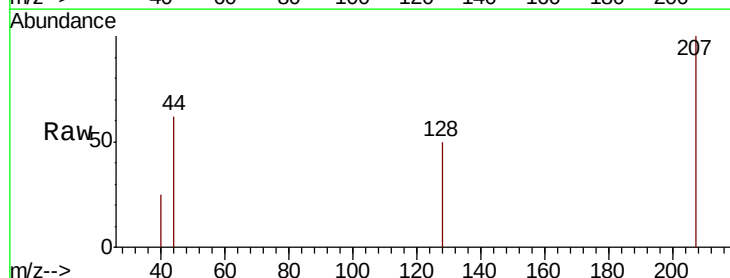
Tgt Ion: 128 Resp: 810

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): VN062189.D (-4053) (-)

Ion 127.00 (126.70 to 127.70): VN062189.D (-4053) (-)

Ion 129.00 (128.70 to 129.70): VN062189.D (-4053) (-)

