

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070120\
 Data File : VN062296.D
 Acq On : 1 Jul 2020 16:54
 Operator : JC/MD
 Sample : L3170-09
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP-BLANK

Quant Time: Jul 02 06:55:08 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	194105	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	385447	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	368061	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	129321	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	156005	57.27	ug/l	0.00
Spiked Amount			Recovery	=	114.54%	
35) Dibromofluoromethane	7.55	113	122143	49.39	ug/l	0.00
Spiked Amount			Recovery	=	98.78%	
50) Toluene-d8	10.06	98	497309	50.31	ug/l	0.00
Spiked Amount			Recovery	=	100.62%	
62) 4-Bromofluorobenzene	12.38	95	156262	46.79	ug/l	0.00
Spiked Amount			Recovery	=	93.58%	

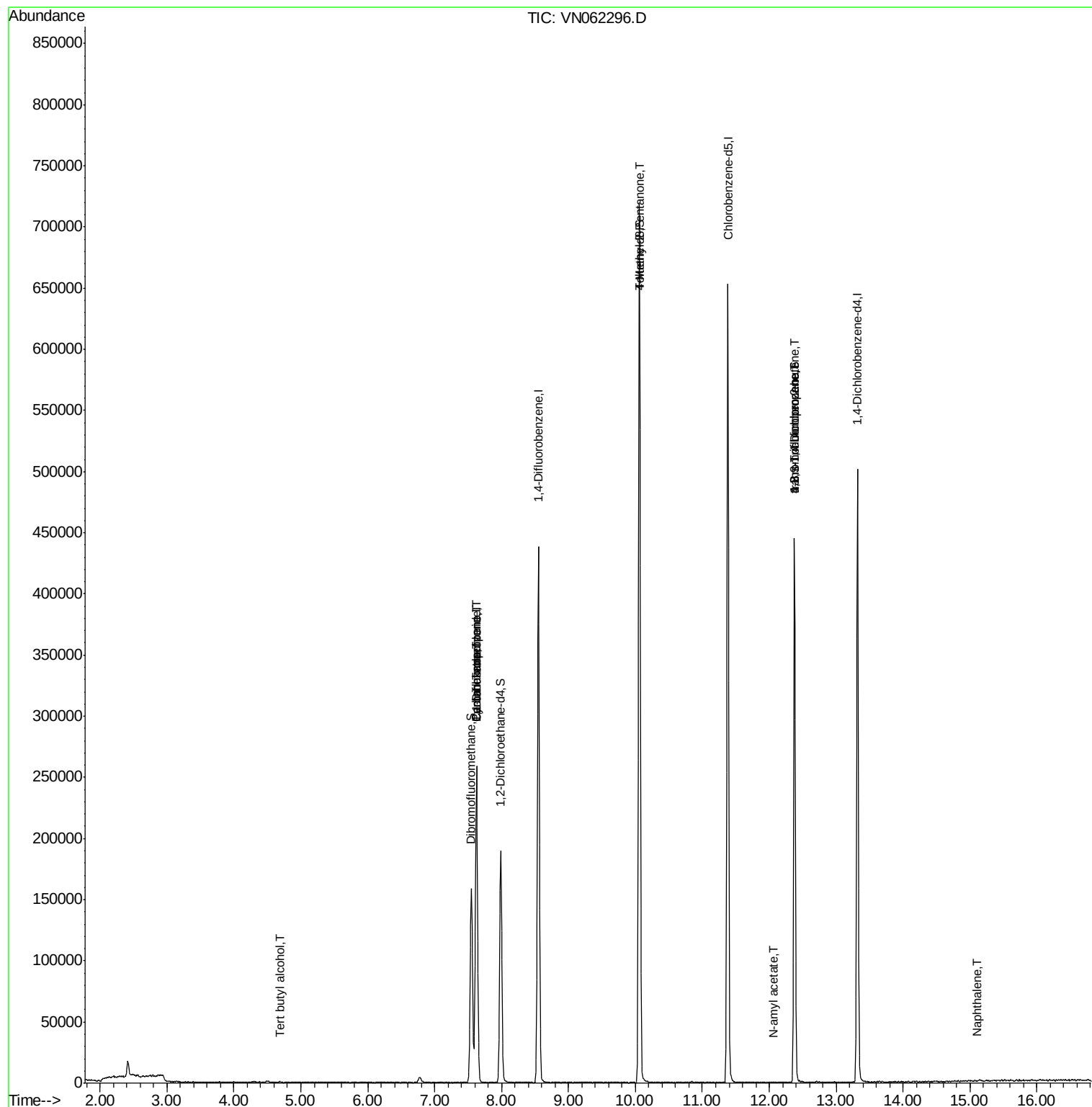
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	361	Below Cal	#	41
11) Tert butyl alcohol	4.68	59	173	0.442	ug/l #	72
16) Acetone	3.79	43	454	Below Cal	#	40
20) Methylene Chloride	4.51	84	528	Below Cal	#	61
31) Cyclohexane	7.63	56	4995	1.327	ug/l #	31
36) 1,1-Dichloropropene	7.62	75	17989	4.643	ug/l #	47
38) Carbon Tetrachloride	7.63	117	20850	5.708	ug/l #	15
51) 4-Methyl-2-Pentanone	10.06	43	2289	0.749	ug/l #	1
74) N-amyl acetate	12.06	43	65	3.360	ug/l #	38
76) 1,2,3-Trichloropropane	12.38	75	81380	26.732	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	81380	78.067	ug/l #	13
95) Naphthalene	15.11	128	290	4.038	ug/l #	69

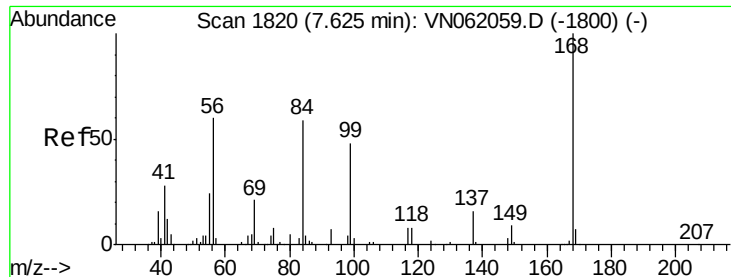
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Time: Jul 02 06:55:08 2020
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: VN062296.D

Acq: 1 Jul 2020 16:54

Instrument :

MSVOA_N

ClientSampleId :

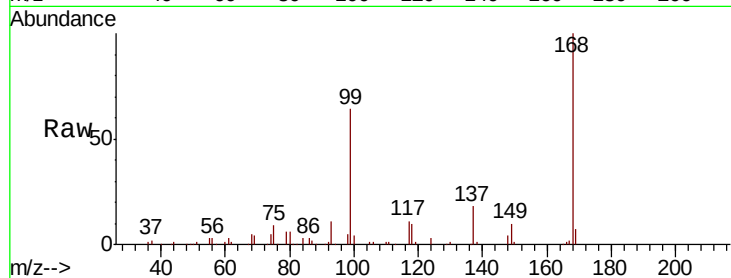
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Tot Ion:168 Resp: 194105

Ion Ratio Lower Upper

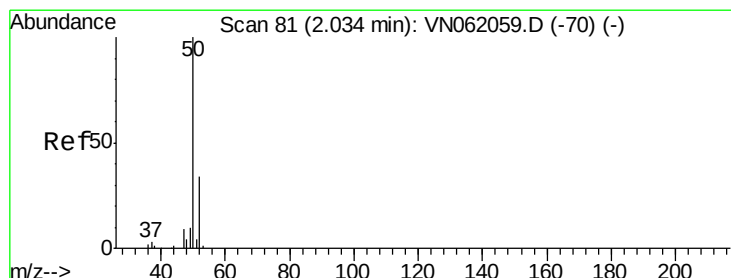
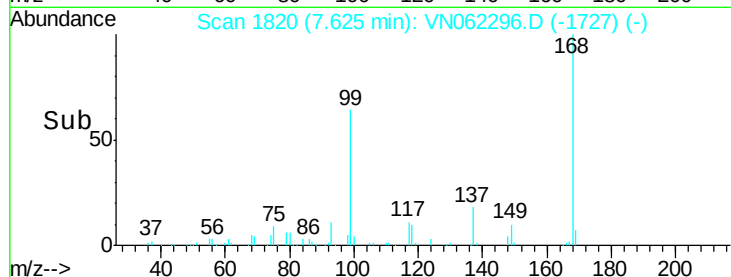
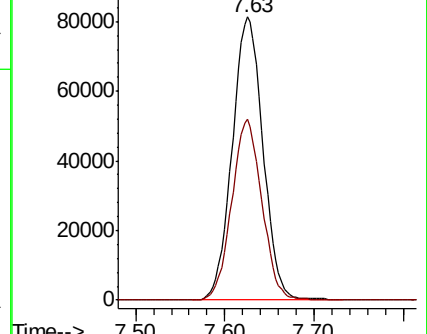
168 100

99 63.8 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#3

Chloromethane

Concen: Below Cal

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN062296.D

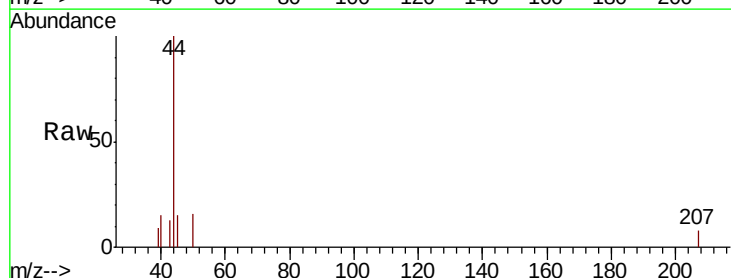
Acq: 1 Jul 2020 16:54

Tgt Ion: 50 Resp: 361

Ion Ratio Lower Upper

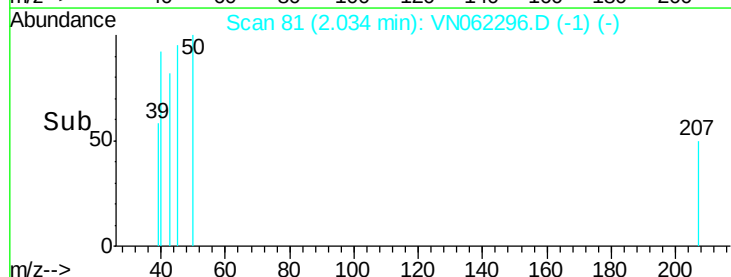
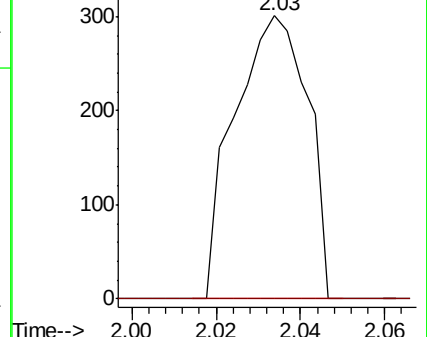
50 100

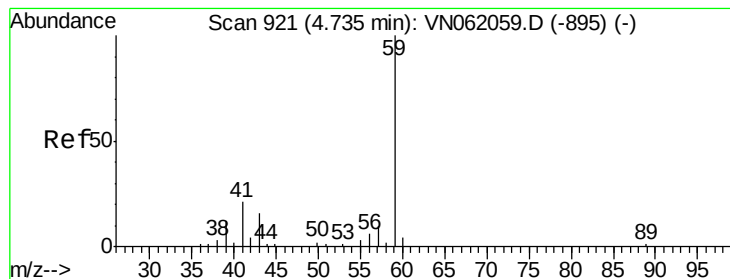
52 0.0 27.0 40.6#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



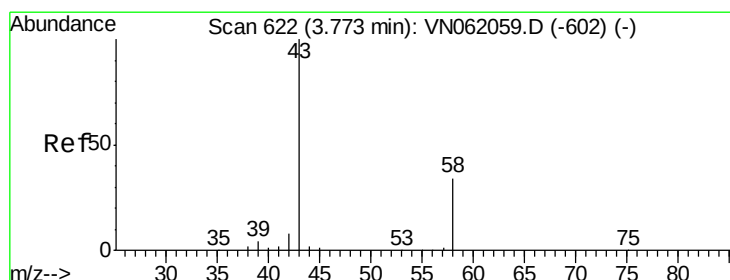
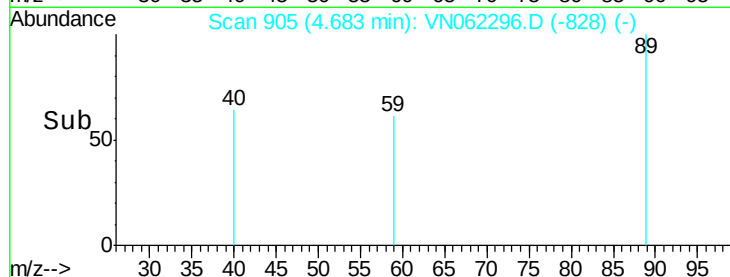
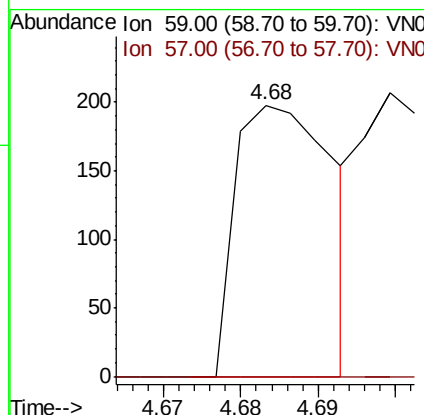
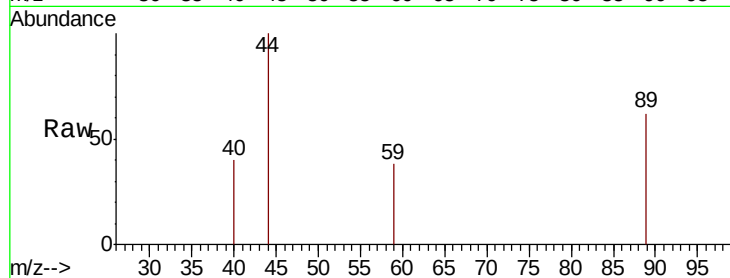


#11

Tert butyl alcohol
 Concen: 0.442 ug/l
 RT: 4.68 min Scan# 905
 Delta R.T. -0.05 min
 Lab File: VN062296.D
 Acq: 1 Jul 2020 16:54

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP-BLANK

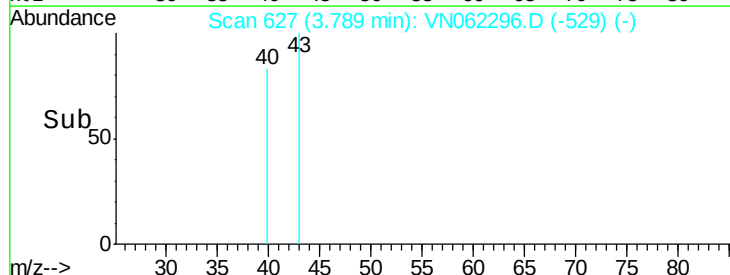
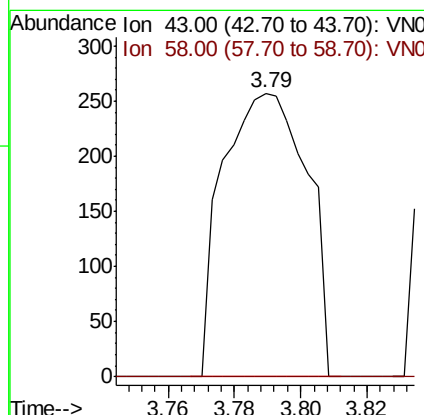
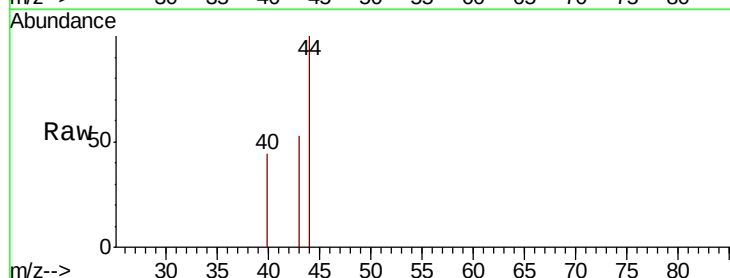
Tot Ion: 59 Resp: 173
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

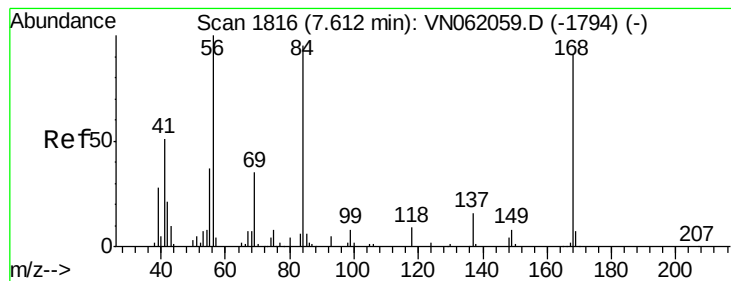


#16

Acetone
 Concen: Below Cal
 RT: 3.79 min Scan# 627
 Delta R.T. 0.02 min
 Lab File: VN062296.D
 Acq: 1 Jul 2020 16:54

Tgt Ion: 43 Resp: 454
 Ion Ratio Lower Upper
 43 100
 58 0.0 27.5 41.3#





#31

Cyclohexane

Concen: 1.327 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.01 min

Lab File: VN062296.D

Acq: 1 Jul 2020 16:54

Instrument :

MSVOA_N

ClientSampled :

TRIP-BLANK

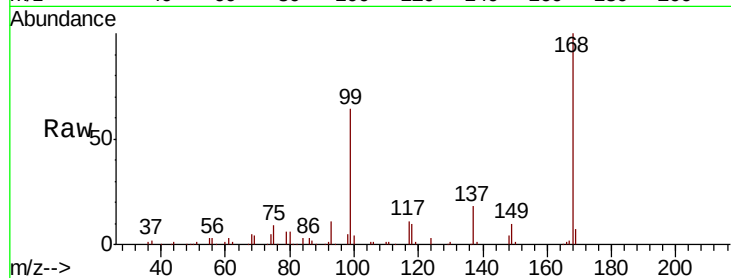
Tot Ion: 56 Resp: 4995

Ion Ratio Lower Upper

56 100

69 144.8 28.0 42.0#

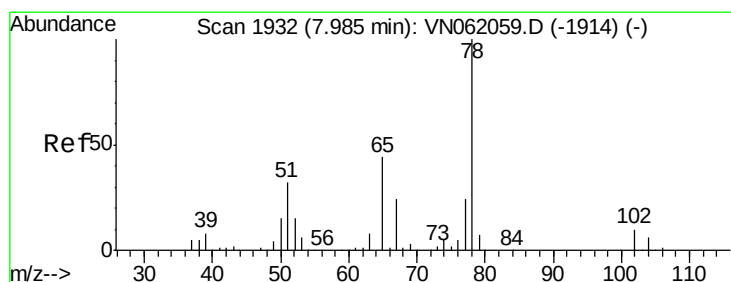
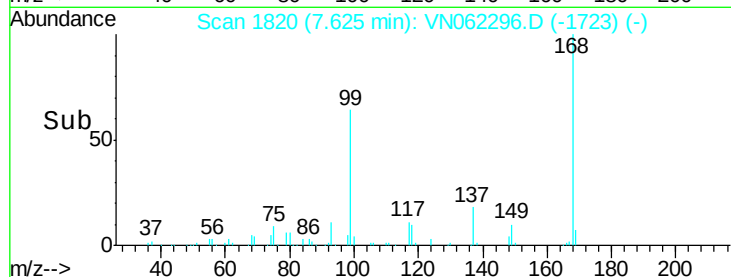
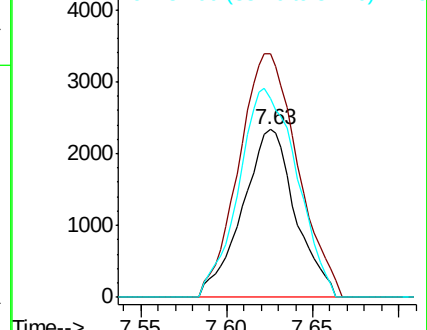
84 118.7 76.1 114.1#



Abundance Ion 56.00 (55.70 to 56.70): VN062296.D (-1723) (-)

Ion 69.00 (68.70 to 69.70): VN062296.D (-1723) (-)

Ion 84.00 (83.70 to 84.70): VN062296.D (-1723) (-)



#33

1,2-Dichloroethane-d4

Concen: 57.272 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN062296.D

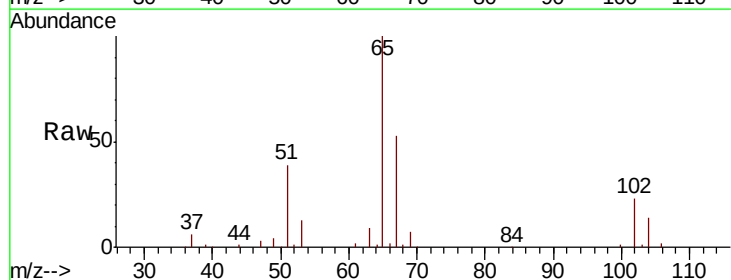
Acq: 1 Jul 2020 16:54

Tgt Ion: 65 Resp: 156005

Ion Ratio Lower Upper

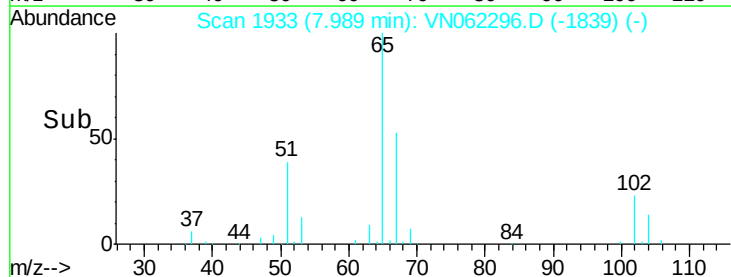
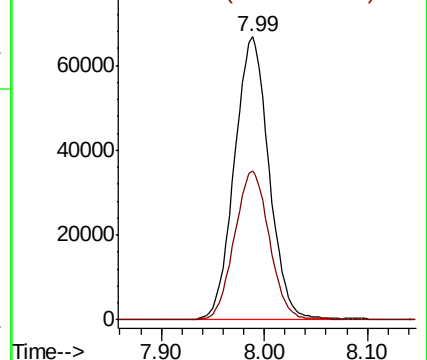
65 100

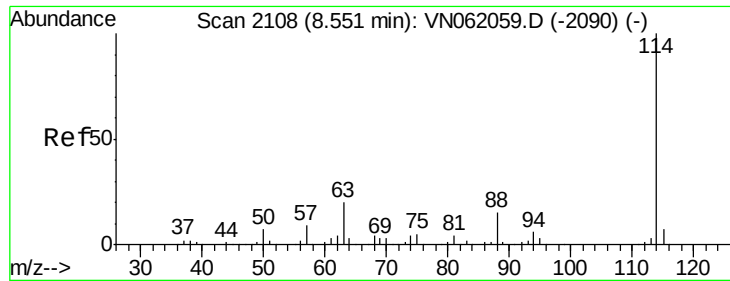
67 53.3 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VN062296.D (-1839) (-)

Ion 66.90 (66.60 to 67.60): VN062296.D (-1839) (-)

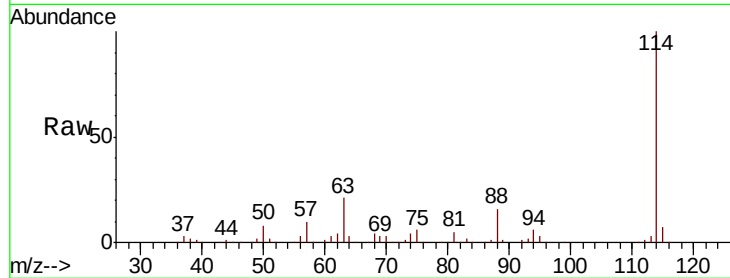




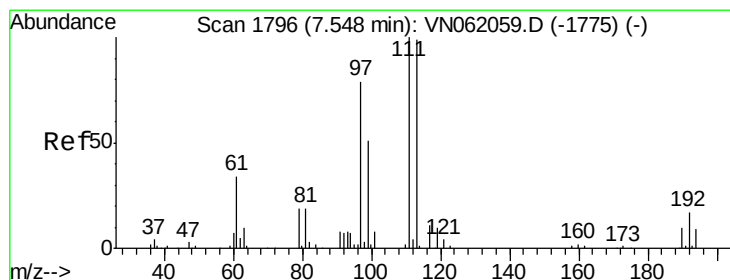
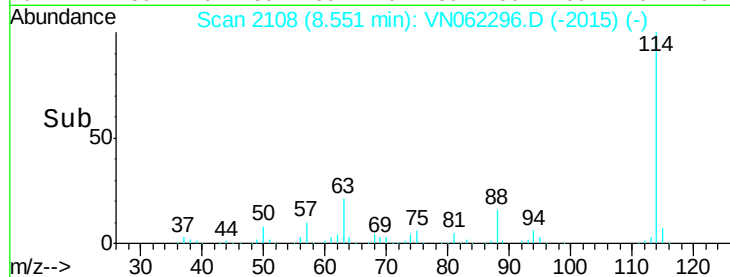
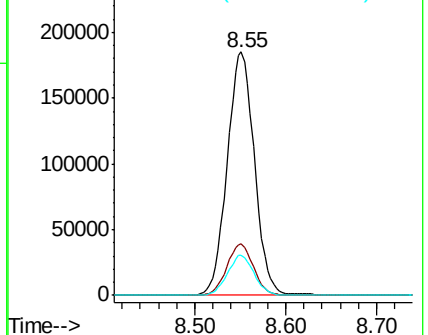
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062296.D
 Acq: 1 Jul 2020 16:54

Instrument :
 MSVOA_N
 ClientSampleId :
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Tot Ion:114 Resp: 385447
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 39.2
 88 16.4 0.0 30.8

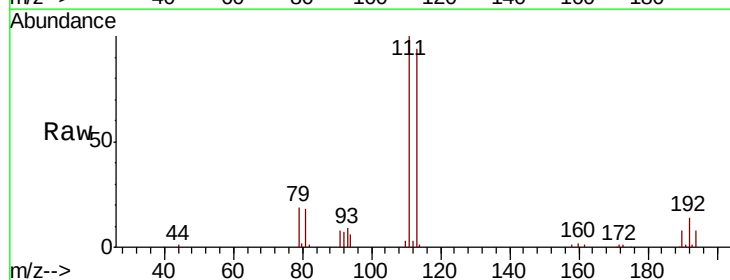


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

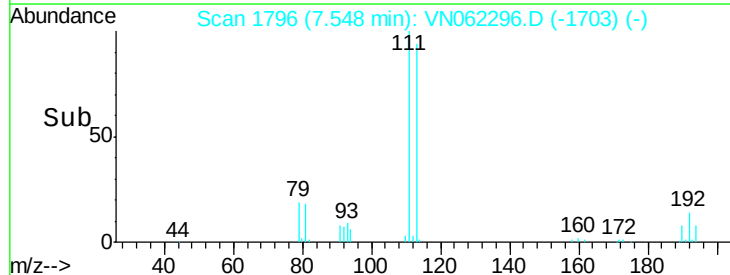
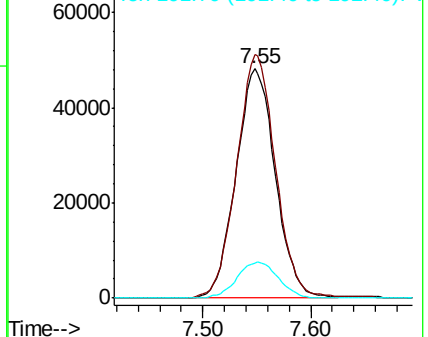


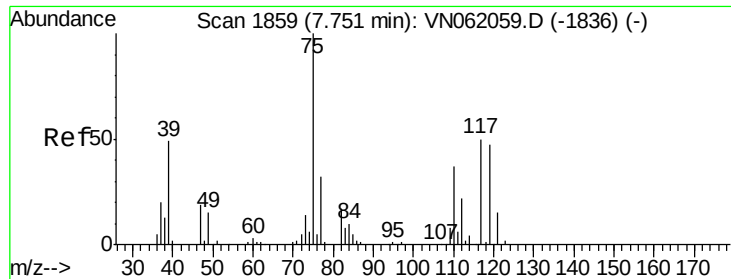
#35
 Dibromofluoromethane
 Concen: 49.394 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062296.D
 Acq: 1 Jul 2020 16:54

Tgt Ion:113 Resp: 122143
 Ion Ratio Lower Upper
 113 100
 111 104.9 82.2 123.4
 192 16.5 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

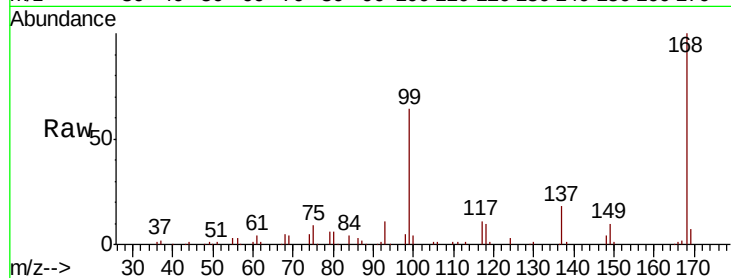




#36
 1,1-Dichloropropene
 Concen: 4.643 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.13 min
 Lab File: VN062296.D
 Acq: 1 Jul 2020 16:54

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP-BLANK

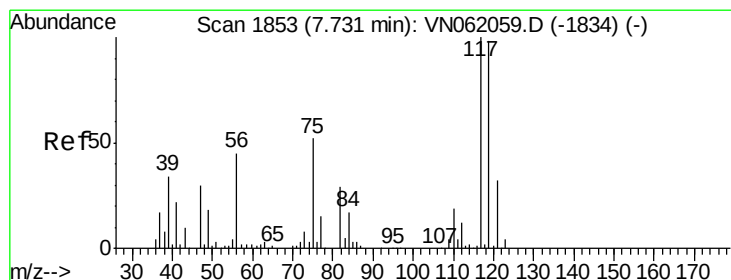
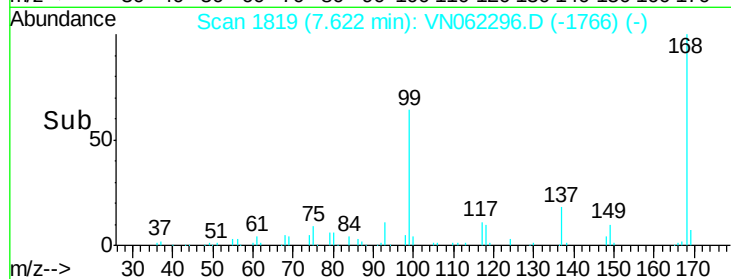
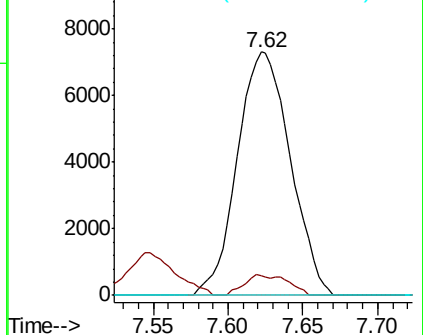
Tot Ion	75	Resp	17989
Ion Ratio	Lower	Upper	
75	100		
110	6.9	17.9	53.8#
77	0.0	24.9	37.3#



Abundance Ion 74.90 (74.60 to 75.60): VN062296.D (-1766) (-)

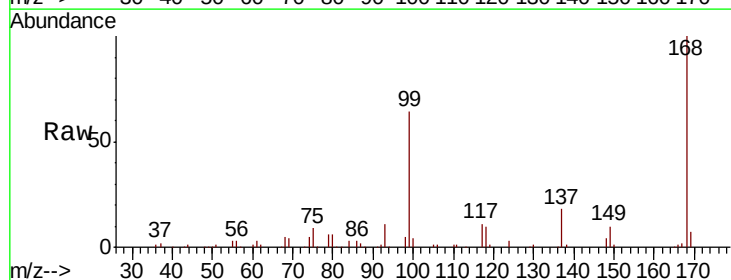
Ion 109.90 (109.60 to 110.60): VN062296.D (-1766) (-)

Ion 76.90 (76.60 to 77.60): VN062296.D (-1766) (-)



#38
 Carbon Tetrachloride
 Concen: 5.708 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.11 min
 Lab File: VN062296.D
 Acq: 1 Jul 2020 16:54

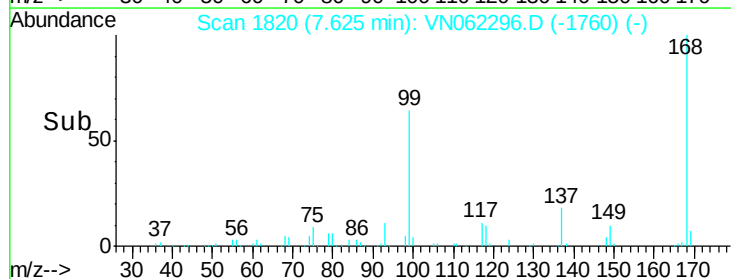
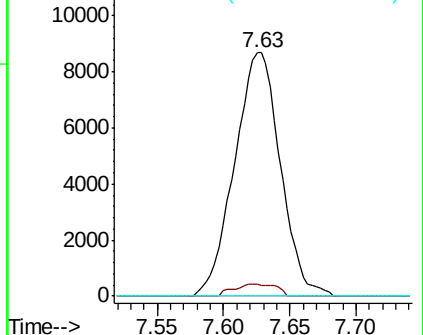
Tgt Ion	117	Resp	20850
Ion Ratio	Lower	Upper	
117	100		
119	4.7	78.2	117.2#
121	0.0	25.8	38.6#

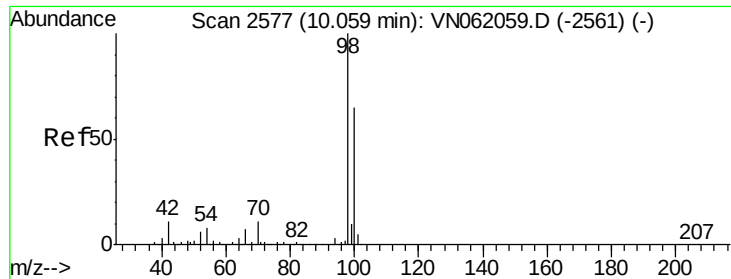


Abundance Ion 116.80 (116.50 to 117.50): VN062296.D (-1760) (-)

Ion 118.80 (118.50 to 119.50): VN062296.D (-1760) (-)

Ion 120.80 (120.50 to 121.50): VN062296.D (-1760) (-)

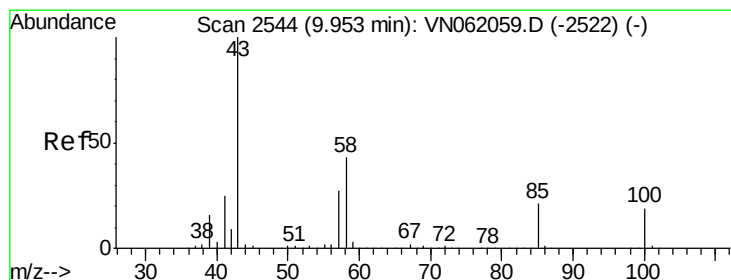
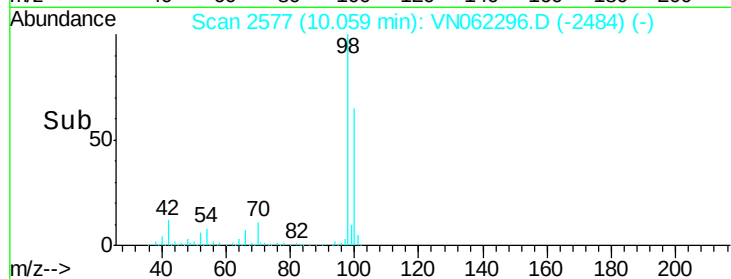
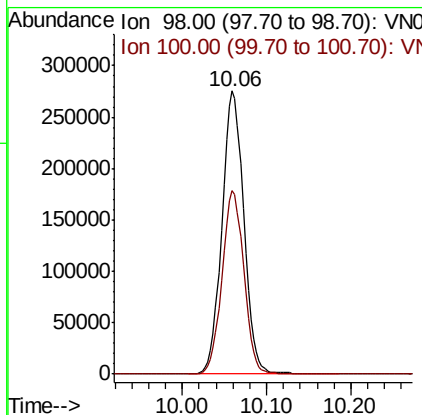
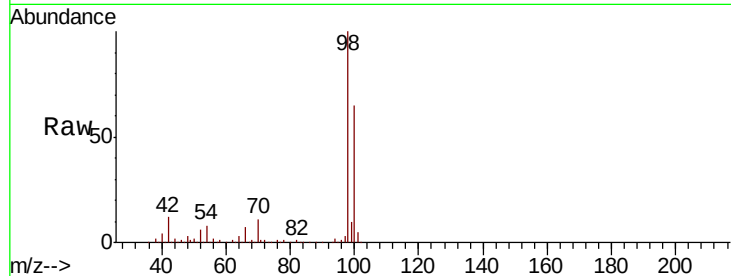




#50
Toluene-d8
Concen: 50.311 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062296.D
Acq: 1 Jul 2020 16:54

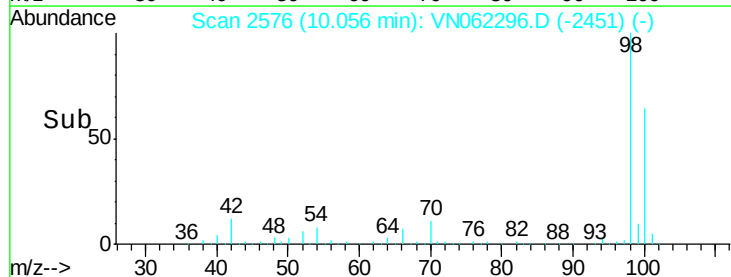
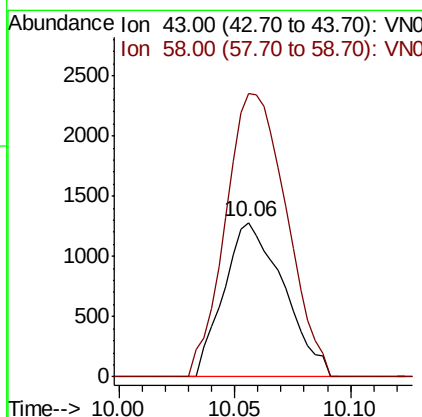
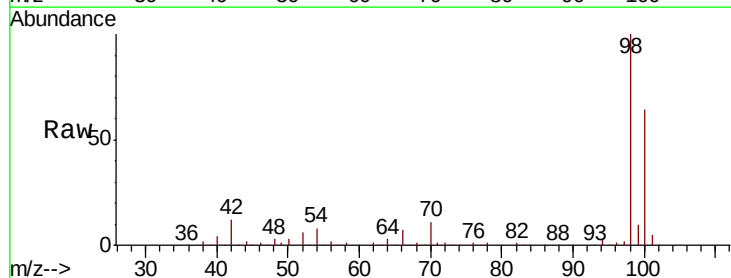
Instrument :
MSVOA_N
ClientSampleId :
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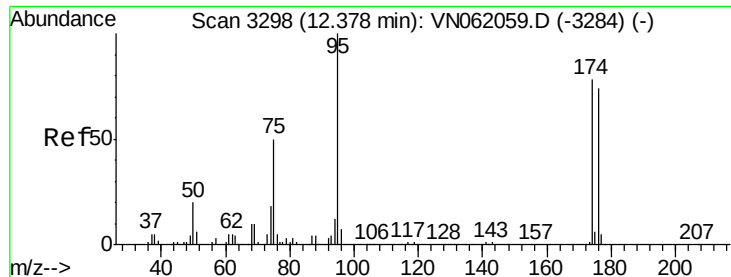
Tot Ion: 98 Resp: 497309
Ion Ratio Lower Upper
98 100
100 64.5 51.2 76.8



#51
4-Methyl-2-Pentanone
Concen: 0.749 ug/l
RT: 10.06 min Scan# 2576
Delta R.T. 0.10 min
Lab File: VN062296.D
Acq: 1 Jul 2020 16:54

Tgt Ion: 43 Resp: 2289
Ion Ratio Lower Upper
43 100
58 187.2 34.2 51.2#





#62

4-Bromofluorobenzene

Concen: 46.790 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062296.D

Acq: 1 Jul 2020 16:54

Instrument :

MSVOA_N

ClientSampleId :

TRIP-BLANK

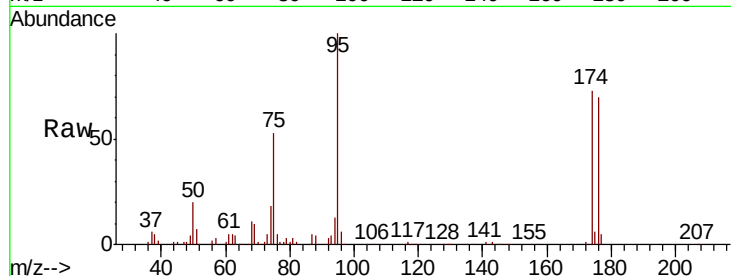
Tot Ion: 95 Resp: 156262

Ion Ratio Lower Upper

95 100

174 73.0 0.0 154.8

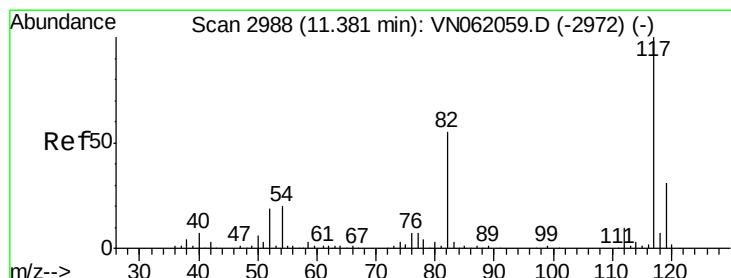
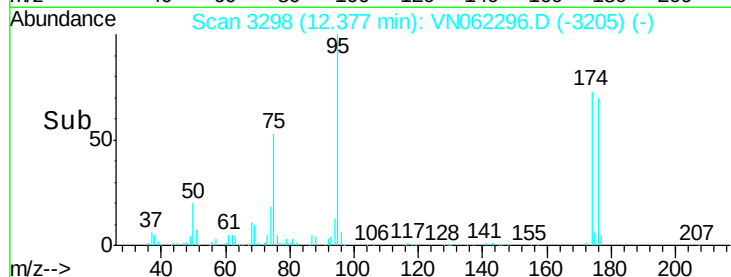
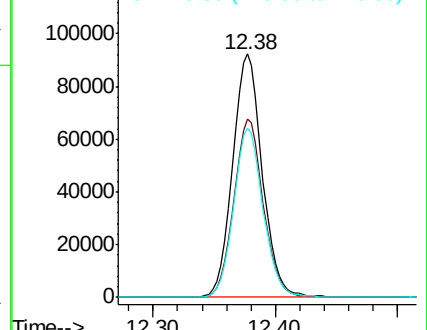
176 69.5 0.0 147.4



Abundance Ion 94.90 (94.60 to 95.60): VN062296.D (-3205) (-)

Ion 173.80 (173.50 to 174.50): VN062296.D (-3205) (-)

Ion 175.80 (175.50 to 176.50): VN062296.D (-3205) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN062296.D

Acq: 1 Jul 2020 16:54

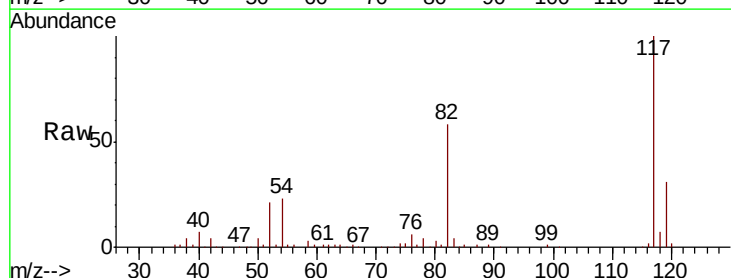
Tgt Ion: 117 Resp: 368061

Ion Ratio Lower Upper

117 100

82 58.3 43.8 65.8

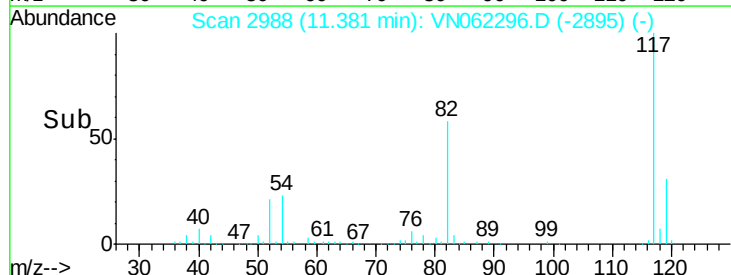
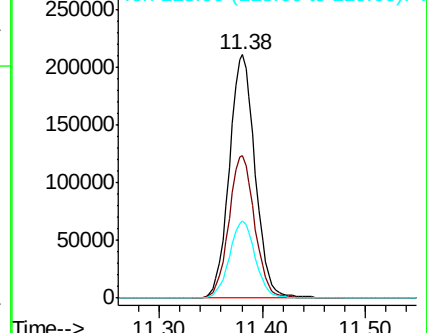
119 31.5 25.2 37.8

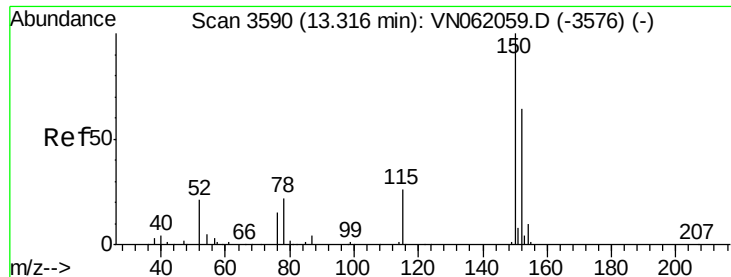


Abundance Ion 116.90 (116.60 to 117.60): VN062296.D (-2895) (-)

Ion 82.00 (81.70 to 82.70): VN062296.D (-2895) (-)

Ion 118.90 (118.60 to 119.60): VN062296.D (-2895) (-)

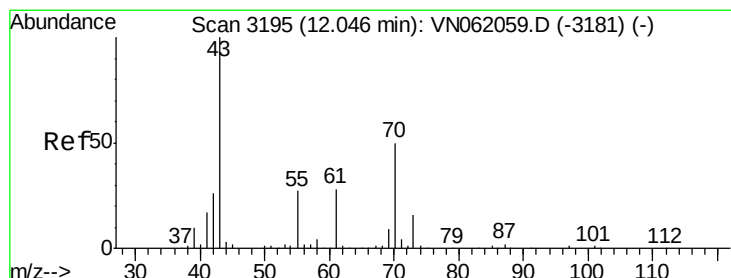
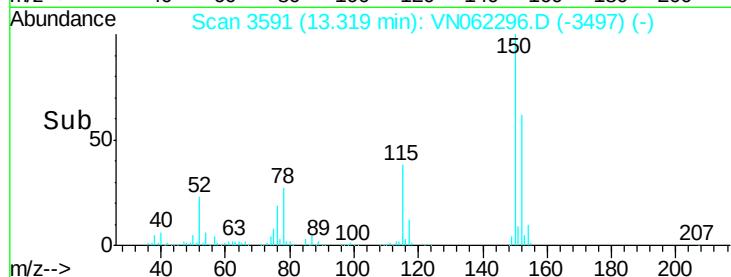
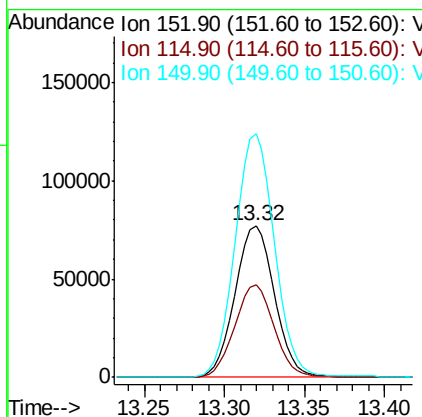
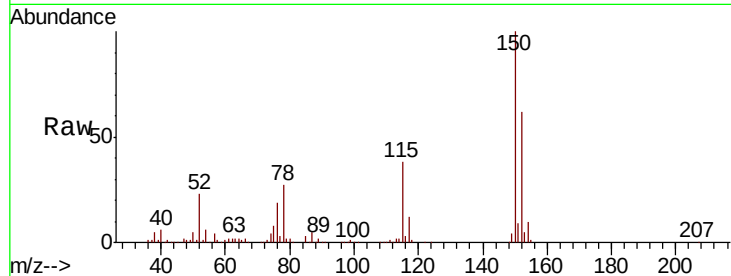




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.32 min Scan# 3591
 Delta R.T. 0.00 min
 Lab File: VN062296.D
 Acq: 1 Jul 2020 16:54

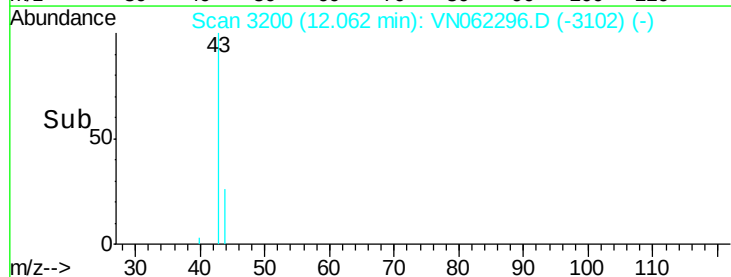
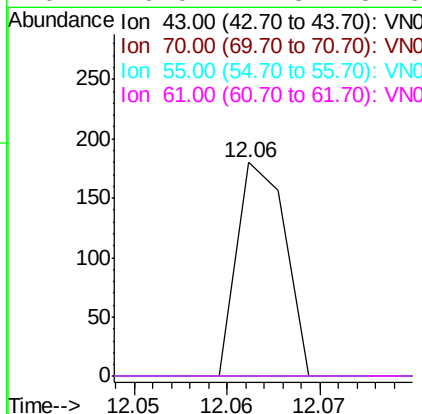
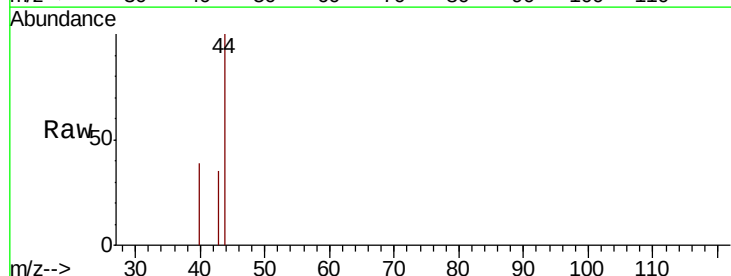
Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP-BLANK

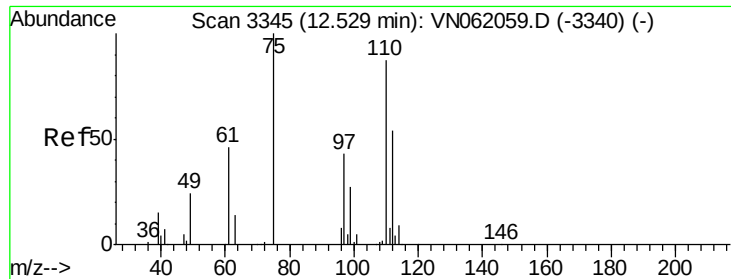
Tot Ion:152 Resp: 129321
 Ion Ratio Lower Upper
 152 100
 115 61.2 29.5 88.5
 150 160.6 0.0 351.4



#74
 N-ethyl acetate
 Concen: 3.360 ug/l
 RT: 12.06 min Scan# 3200
 Delta R.T. 0.02 min
 Lab File: VN062296.D
 Acq: 1 Jul 2020 16:54

Tgt Ion: 43 Resp: 65
 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: 26.732 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062296.D

Acq: 1 Jul 2020 16:54

Instrument :

MSVOA_N

ClientSampled :

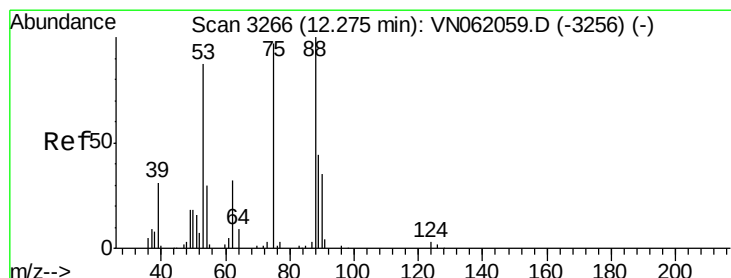
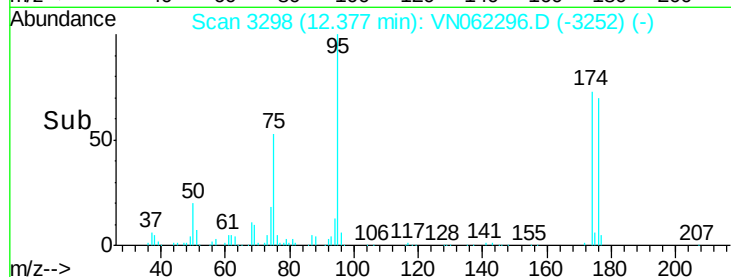
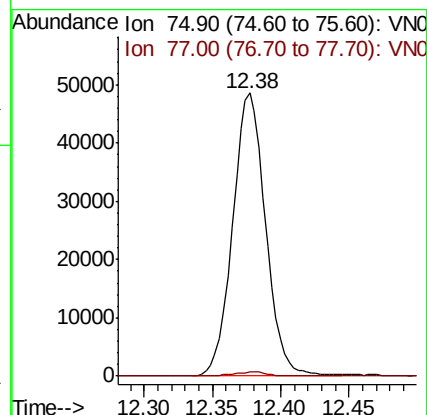
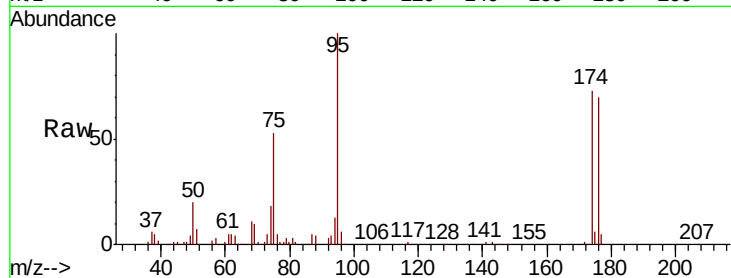
TRIP-BLANK

Tot Ion: 75 Resp: 81380

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 78.067 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062296.D

Acq: 1 Jul 2020 16:54

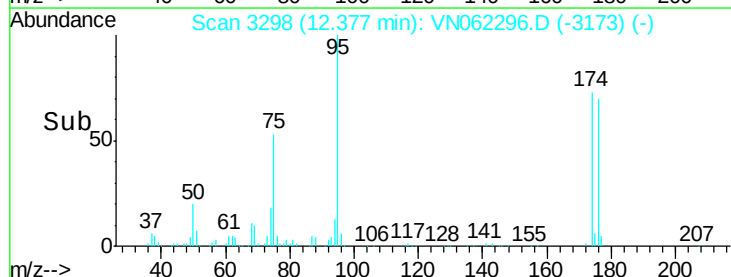
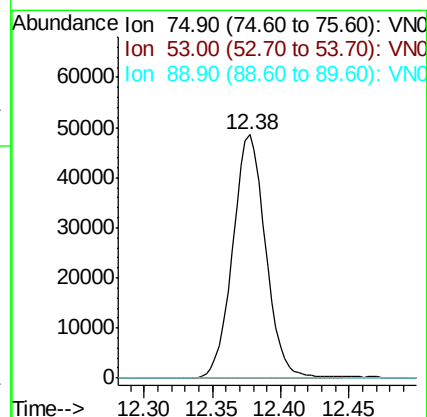
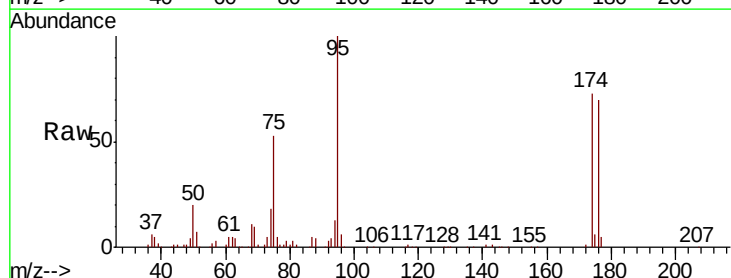
Tgt Ion: 75 Resp: 81380

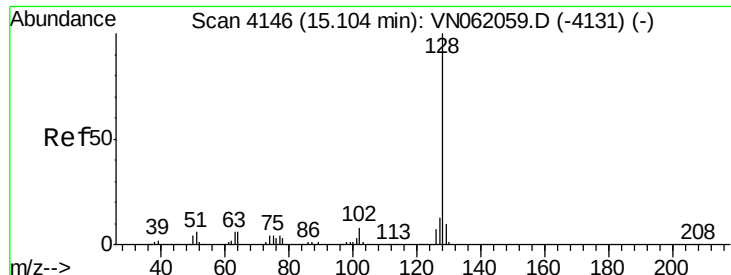
Ion Ratio Lower Upper

75 100

53 0.0 72.0 108.0#

89 0.0 36.9 55.3#





#95

Naphthalene

Concen: 4.038 ug/l

RT: 15.11 min Scan# 4147

Delta R.T. 0.00 min

Lab File: VN062296.D

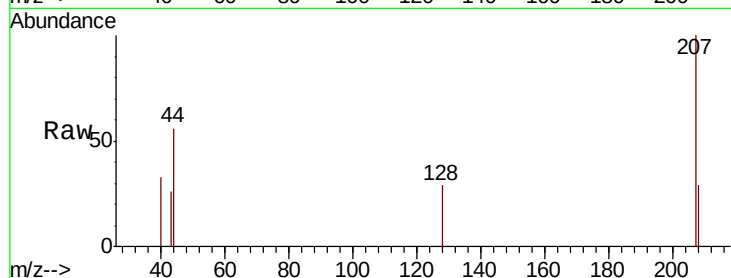
Acq: 1 Jul 2020 16:54

Instrument :

MSVOA_N

ClientSampleId :

TRIP-BLANK



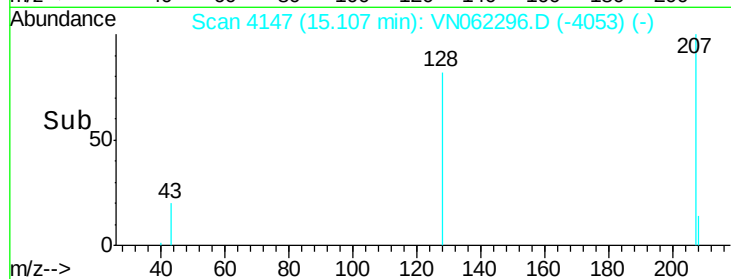
Tot Ion:128 Resp: 290

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): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

300

250

200

150

100

50

0

15.10

15.11

15.12

15.14

Time-->