

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070120\
 Data File : VN062303.D
 Acq On : 1 Jul 2020 19:43
 Operator : JC/MD
 Sample : L3155-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MH-D19

Quant Time: Jul 02 06:56:28 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	185949	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	370634	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	360284	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	133238	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	150425	57.65	ug/l	0.00
Spiked Amount			Recovery	=	115.30%	
35) Dibromofluoromethane	7.55	113	119244	50.15	ug/l	0.00
Spiked Amount			Recovery	=	100.30%	
50) Toluene-d8	10.06	98	481069	50.61	ug/l	0.00
Spiked Amount			Recovery	=	101.22%	
62) 4-Bromofluorobenzene	12.38	95	157102	48.92	ug/l	0.00
Spiked Amount			Recovery	=	97.84%	

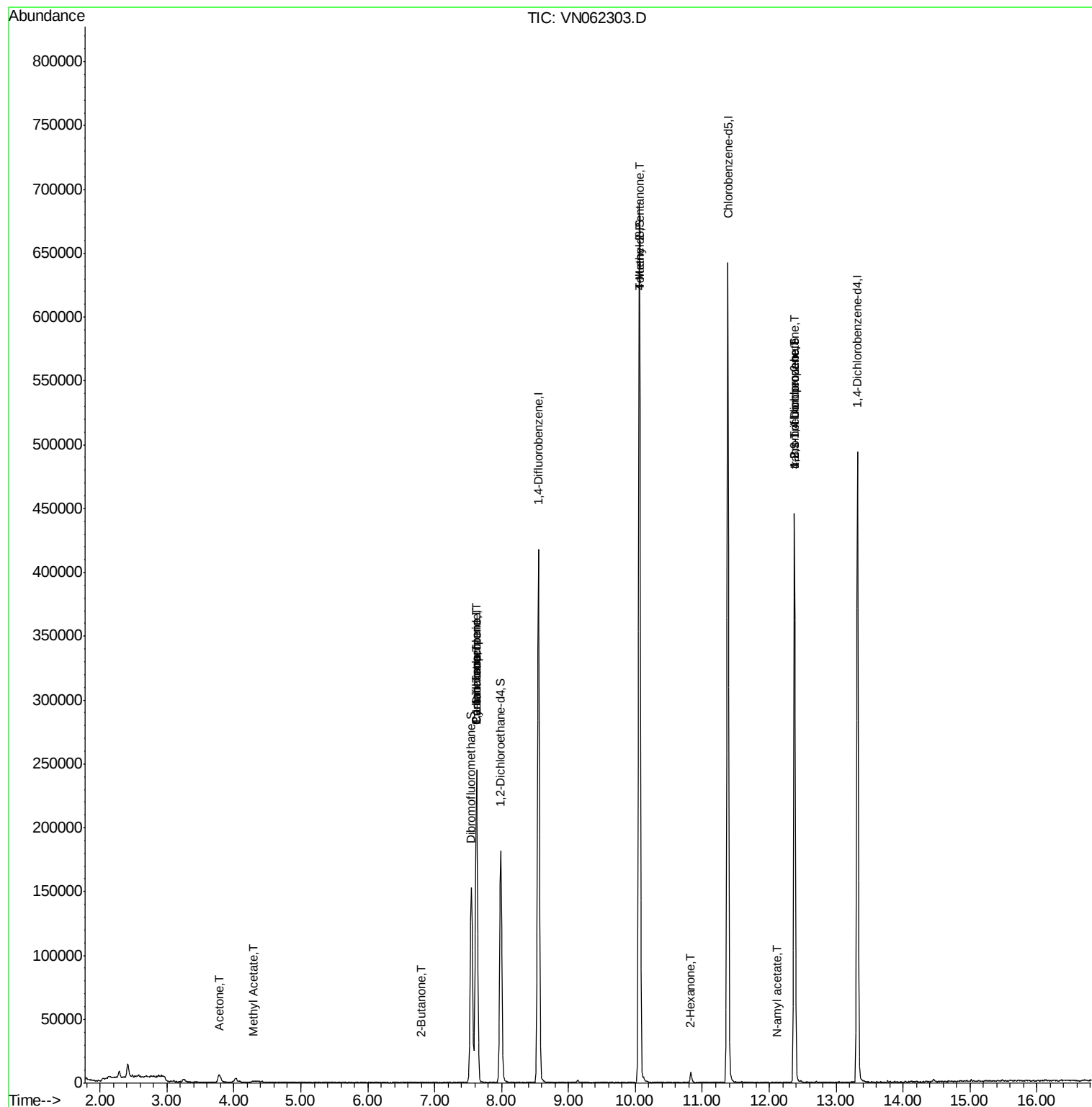
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	589	Below Cal		94
16) Acetone	3.78	43	11372	9.995	ug/l	96
18) Methyl Acetate	4.29	43	957	0.461	ug/l #	46
20) Methylene Chloride	4.51	84	30	Below Cal	#	64
25) 2-Butanone	6.79	43	427	0.335	ug/l #	44
31) Cyclohexane	7.62	56	4454	1.235	ug/l #	6
36) 1,1-Dichloropropene	7.62	75	16133	4.331	ug/l #	46
38) Carbon Tetrachloride	7.63	117	19773	5.630	ug/l #	15
51) 4-Methyl-2-Pentanone	10.06	43	2174	0.740	ug/l #	1
59) 2-Hexanone	10.83	43	1607	0.757	ug/l #	30
74) N-amyl acetate	12.10	43	99	3.367	ug/l #	38
76) 1,2,3-Trichloropropane	12.38	75	80976	25.817	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	80976	75.395	ug/l #	13

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

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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: VN062303.D

Acq: 1 Jul 2020 19:43

Instrument :

MSVOA_N

ClientSampled :

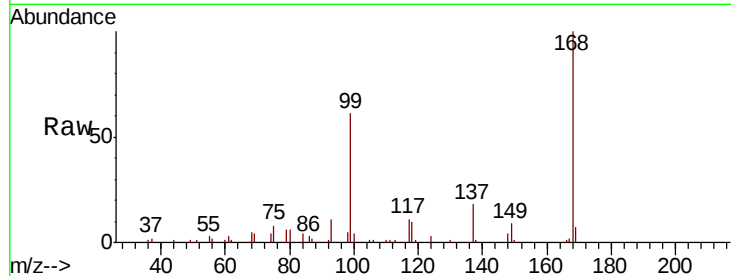
MH-D19

Tot Ion:168 Resp: 185949

Ion Ratio Lower Upper

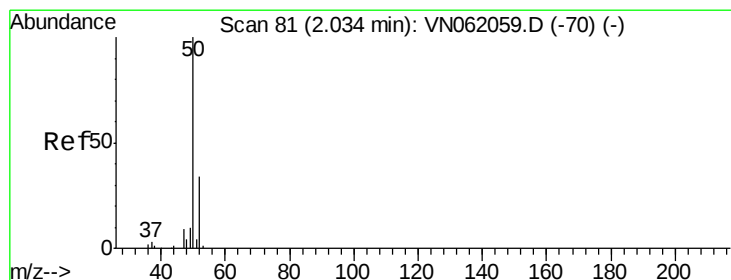
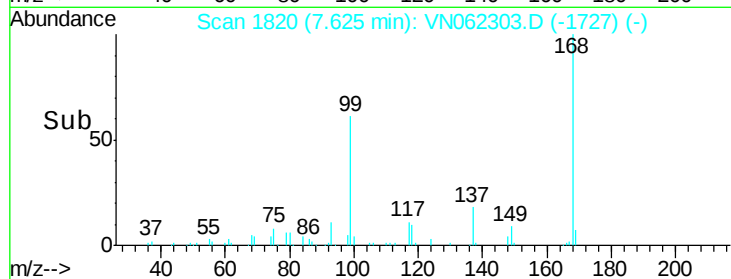
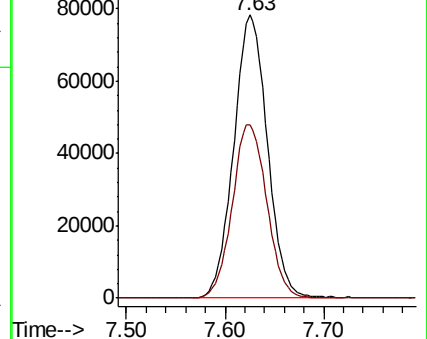
168 100

99 61.4 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# 80

Delta R.T. -0.00 min

Lab File: VN062303.D

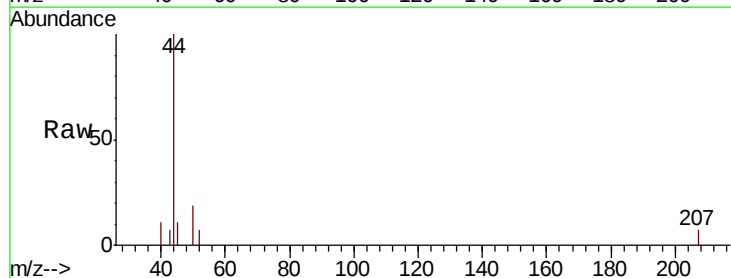
Acq: 1 Jul 2020 19:43

Tgt Ion: 50 Resp: 589

Ion Ratio Lower Upper

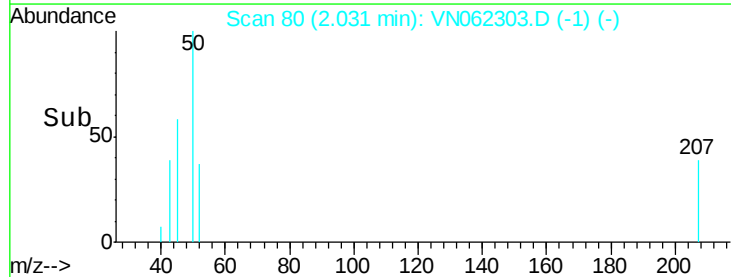
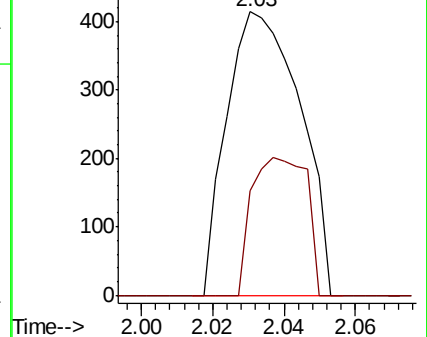
50 100

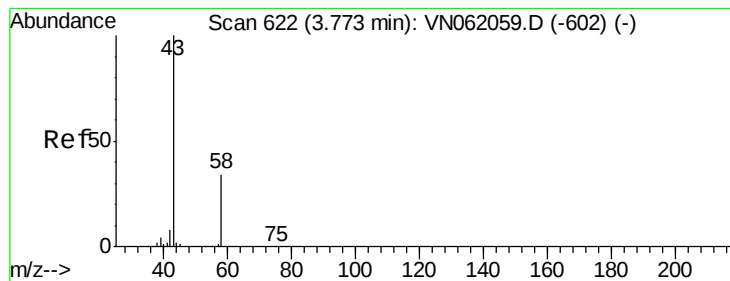
52 37.0 27.0 40.6



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO





#16

Acetone

Concen: 9.995 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.01 min

Lab File: VN062303.D

Acq: 1 Jul 2020 19:43

Instrument :

MSVOA_N

ClientSampled :

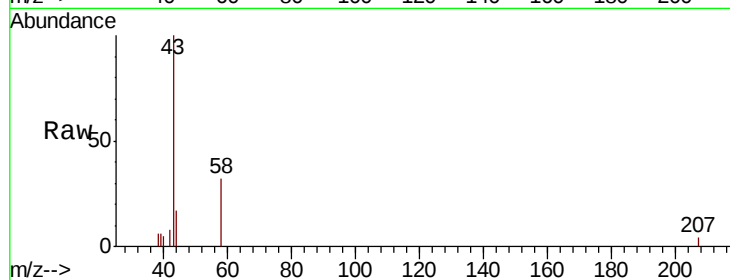
MH-D19

Tot Ion: 43 Resp: 11372

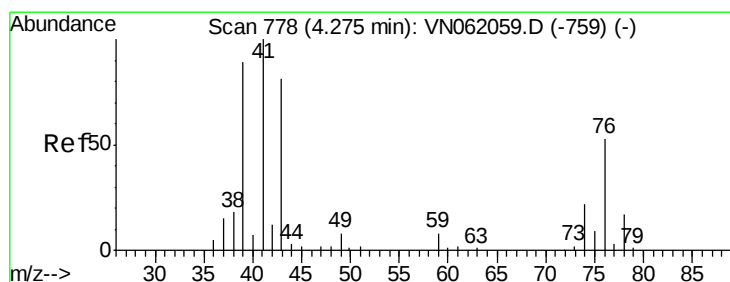
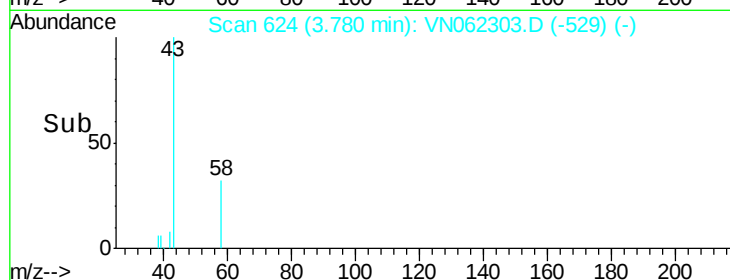
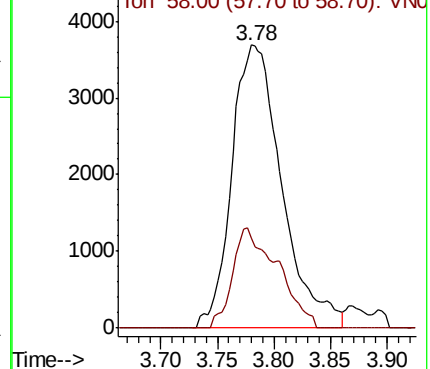
Ion Ratio Lower Upper

43 100

58 31.9 27.5 41.3



Abundance Ion 43.00 (42.70 to 43.70): VN062303.D (-529) (-)



#18

Methyl Acetate

Concen: 0.461 ug/l

RT: 4.29 min Scan# 783

Delta R.T. 0.02 min

Lab File: VN062303.D

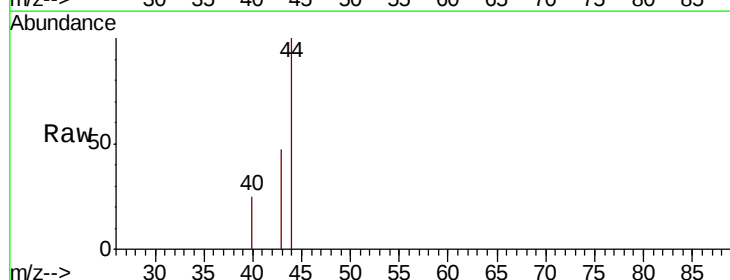
Acq: 1 Jul 2020 19:43

Tgt Ion: 43 Resp: 957

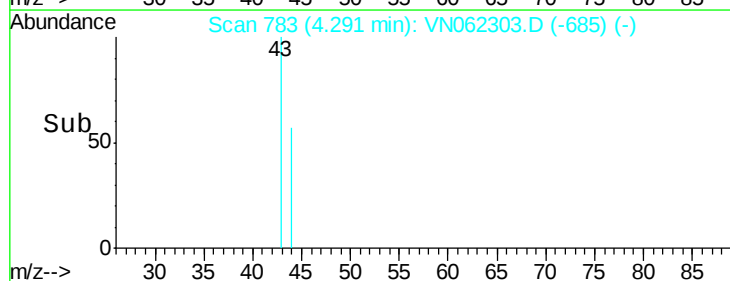
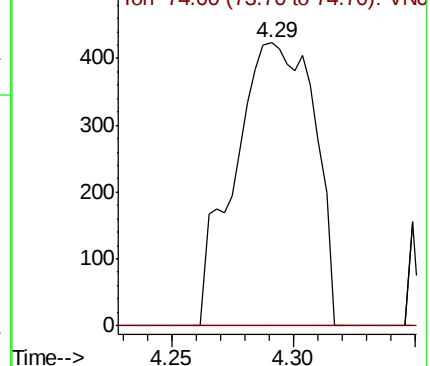
Ion Ratio Lower Upper

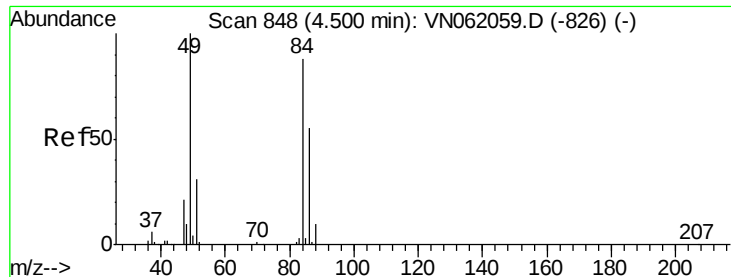
43 100

74 0.0 22.9 34.3#



Abundance Ion 43.00 (42.70 to 43.70): VN062303.D (-685) (-)

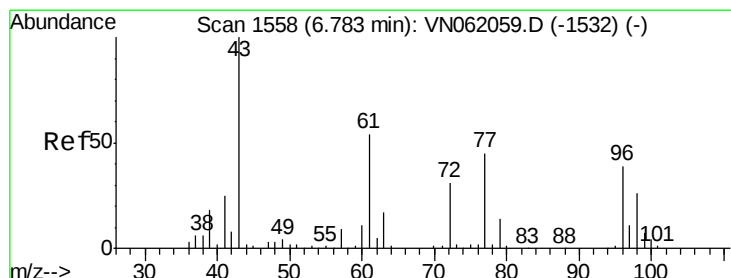
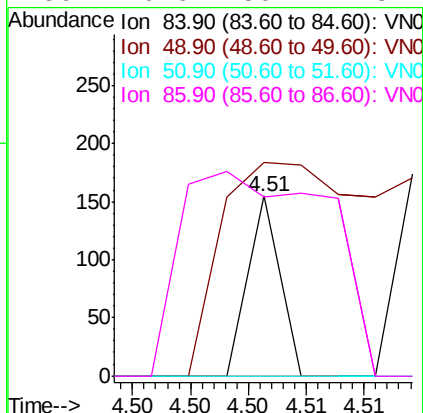
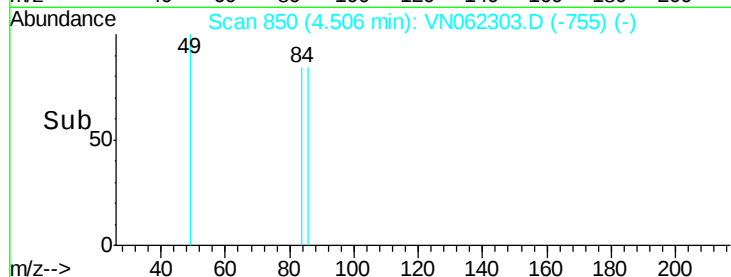
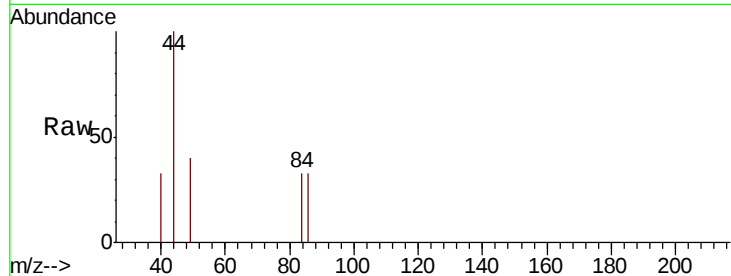




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.51 min Scan# 850
Delta R.T. 0.01 min
Lab File: VN062303.D
Acq: 1 Jul 2020 19:43

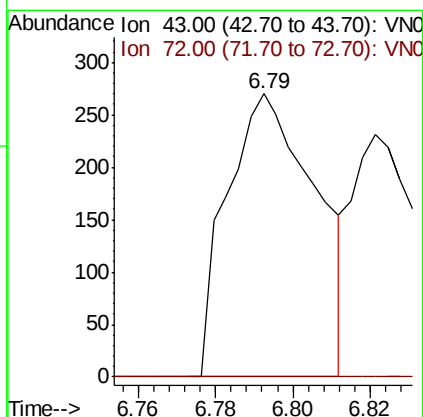
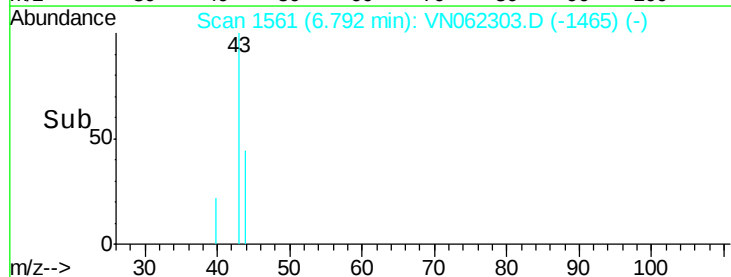
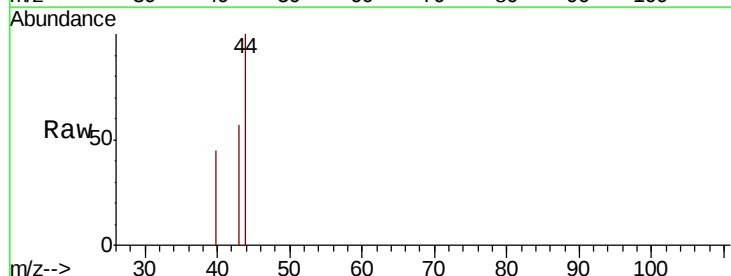
Instrument :
MSVOA_N
ClientSampled :
MH-D19

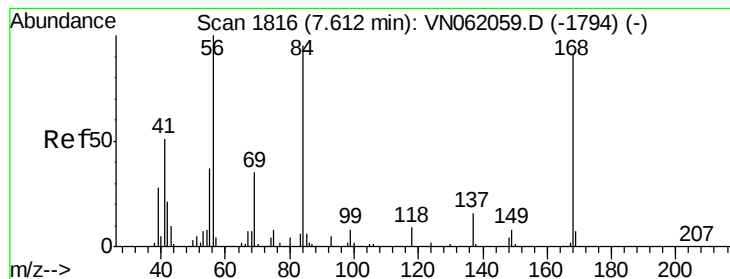
Tot Ion: 84 Resp: 30
Ion Ratio Lower Upper
84 100
49 118.7 90.6 136.0
51 0.0 27.8 41.8#
86 0.6 50.1 75.1#



#25
2-Butanone
Concen: 0.335 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. 0.01 min
Lab File: VN062303.D
Acq: 1 Jul 2020 19:43

Tgt Ion: 43 Resp: 427
Ion Ratio Lower Upper
43 100
72 0.0 24.8 37.2#





#31

Cyclohexane

Concen: 1.235 ug/l

RT: 7.62 min Scan# 1816

Delta R.T. 0.01 min

Lab File: VN062303.D

Acq: 1 Jul 2020 19:43

Instrument :

MSVOA_N

ClientSampled :

MH-D19

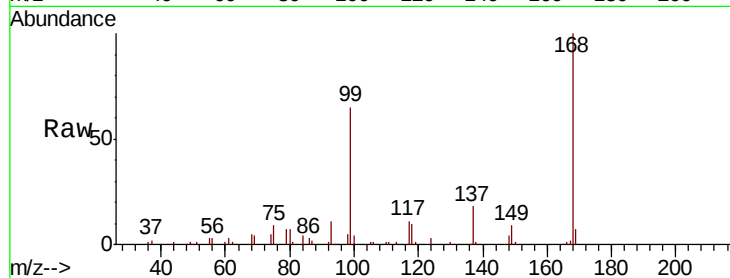
Tot Ion: 56 Resp: 4454

Ion Ratio Lower Upper

56 100

69 157.9 28.0 42.0#

84 145.0 76.1 114.1#

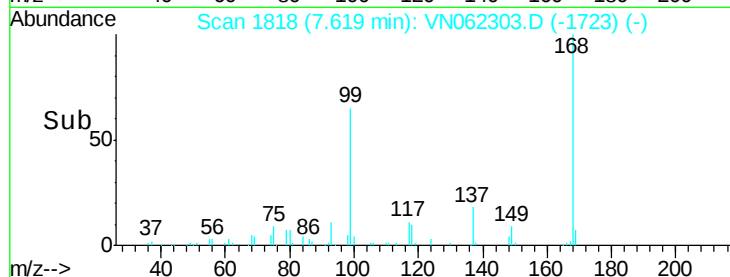


Abundance Ion 56.00 (55.70 to 56.70): VN062059.D (-1794) (-)

Ion 69.00 (68.70 to 69.70): VN062059.D (-1794) (-)

Ion 84.00 (83.70 to 84.70): VN062059.D (-1794) (-)

Time-->

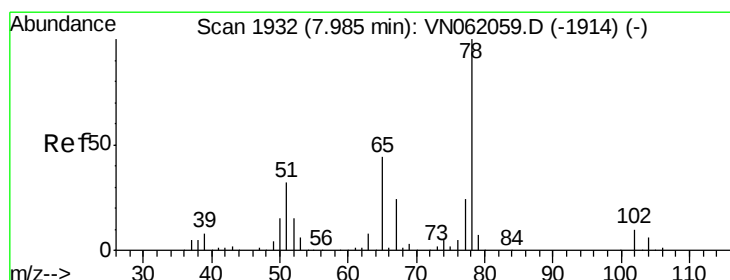


Abundance Ion 56.00 (55.70 to 56.70): VN062303.D (-1723) (-)

Ion 69.00 (68.70 to 69.70): VN062303.D (-1723) (-)

Ion 84.00 (83.70 to 84.70): VN062303.D (-1723) (-)

Time-->



#33

1,2-Dichloroethane-d4

Concen: 57.645 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN062303.D

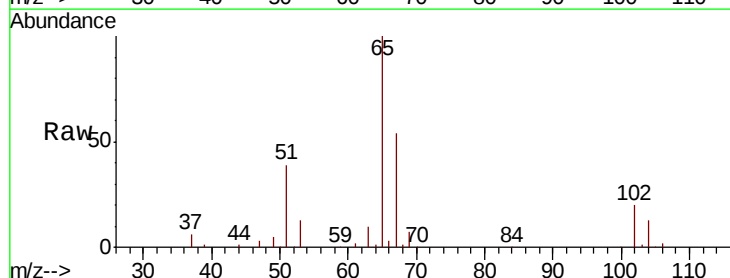
Acq: 1 Jul 2020 19:43

Tgt Ion: 65 Resp: 150425

Ion Ratio Lower Upper

65 100

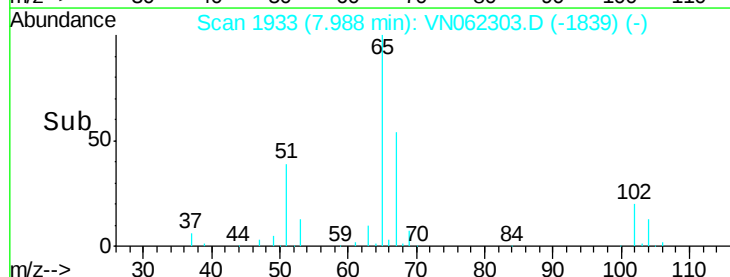
67 52.9 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VN062059.D (-1914) (-)

Ion 66.90 (66.60 to 67.60): VN062059.D (-1914) (-)

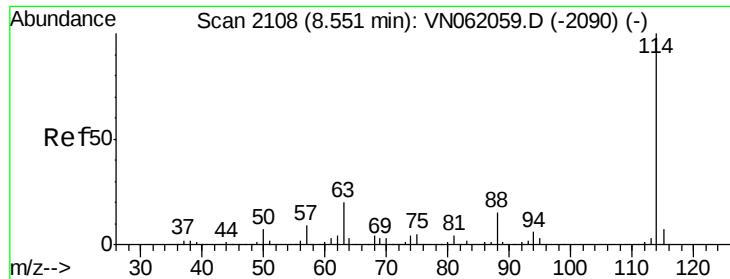
Time-->



Abundance Ion 64.90 (64.60 to 65.60): VN062303.D (-1839) (-)

Ion 66.90 (66.60 to 67.60): VN062303.D (-1839) (-)

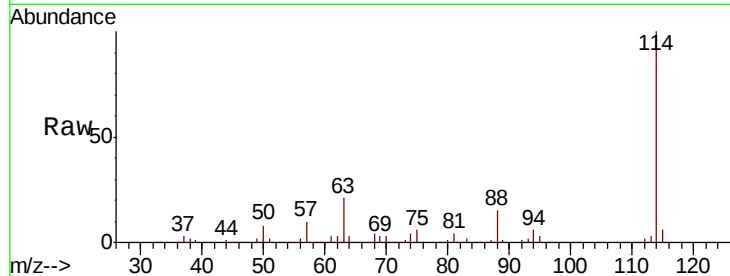
Time-->



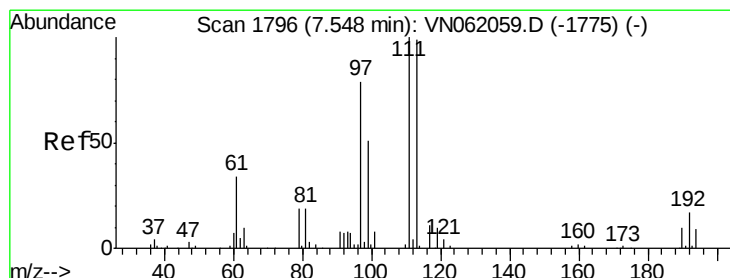
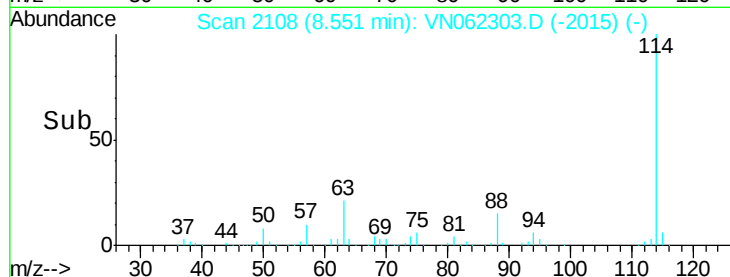
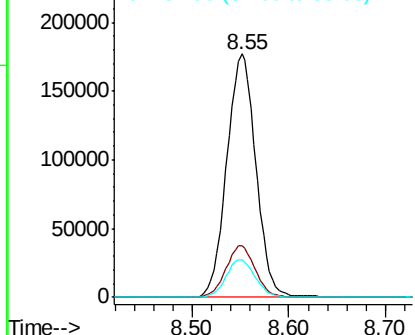
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2108
Delta R.T. -0.00 min
Lab File: VN062303.D
Acq: 1 Jul 2020 19:43

Instrument :
MSVOA_N
ClientSampleId :
MH-D19

Tot Ion:114 Resp: 370634
Ion Ratio Lower Upper
114 100
63 21.0 0.0 39.2
88 15.4 0.0 30.8

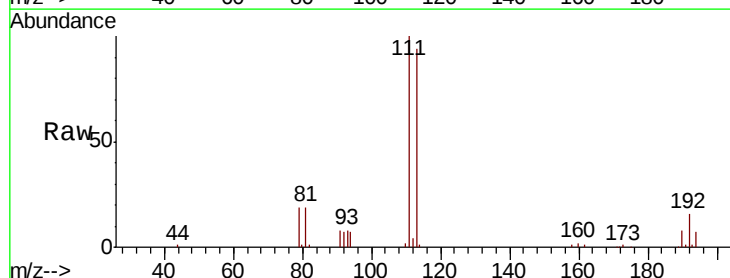


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

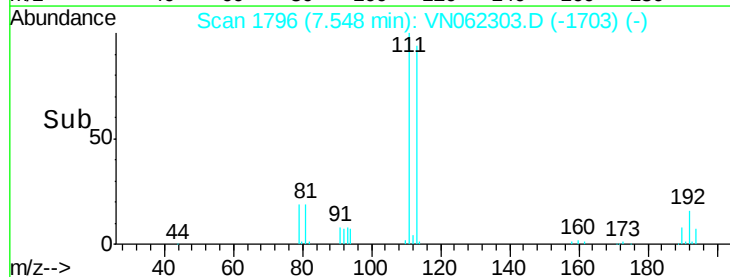
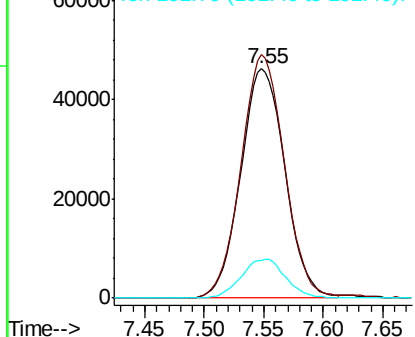


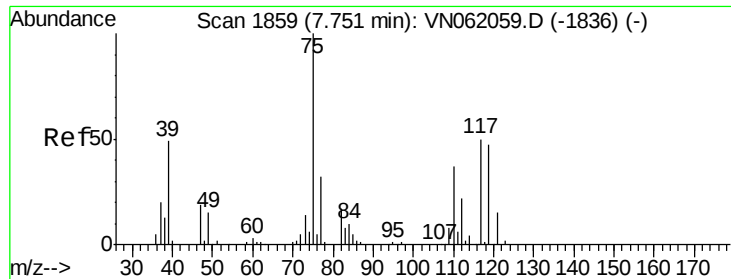
#35
Dibromofluoromethane
Concen: 50.149 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN062303.D
Acq: 1 Jul 2020 19:43

Tgt Ion:113 Resp: 119244
Ion Ratio Lower Upper
113 100
111 104.2 82.2 123.4
192 17.0 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

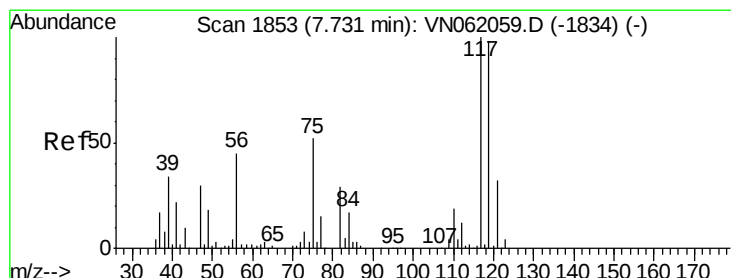
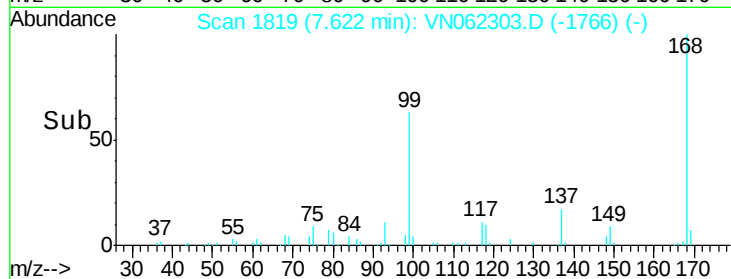
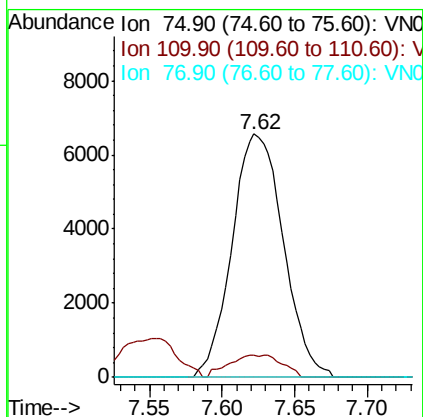
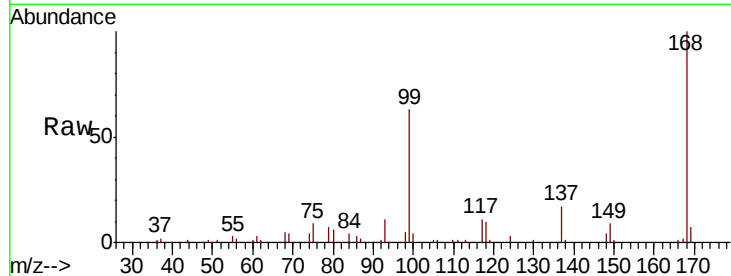




#36
 1,1-Dichloropropene
 Concen: 4.331 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.13 min
 Lab File: VN062303.D
 Acq: 1 Jul 2020 19:43

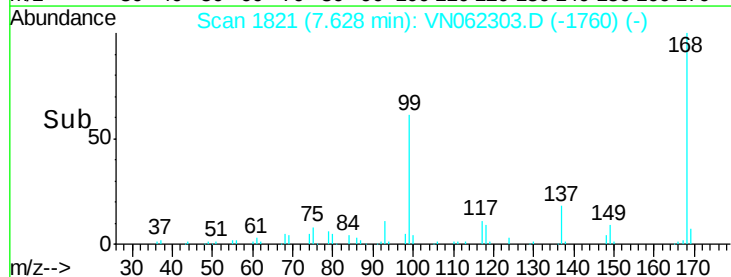
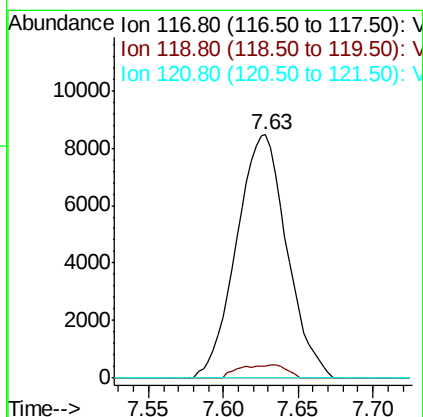
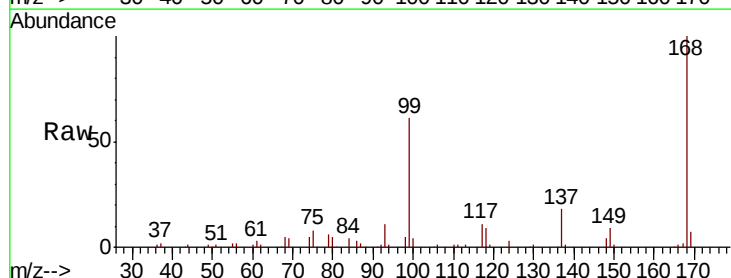
Instrument :
 MSVOA_N
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 MH-D19

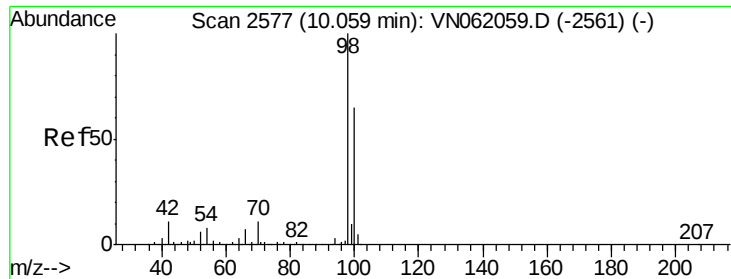
Tot Ion	Ratio	Lower	Upper
75	100		
110	5.6	17.9	53.8#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 5.630 ug/l
 RT: 7.63 min Scan# 1821
 Delta R.T. -0.10 min
 Lab File: VN062303.D
 Acq: 1 Jul 2020 19:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.0	78.2	117.2#
121	0.0	25.8	38.6#





#50

Toluene-d8

Concen: 50.613 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062303.D

Acq: 1 Jul 2020 19:43

Instrument :

MSVOA_N

ClientSampleId :

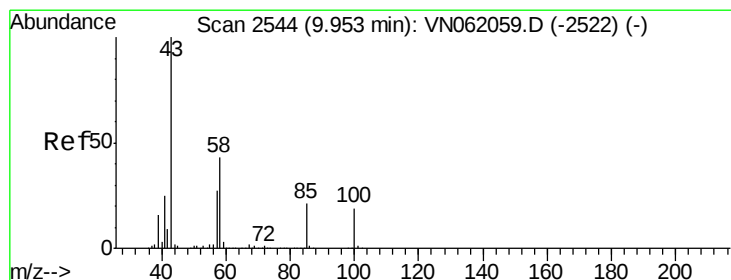
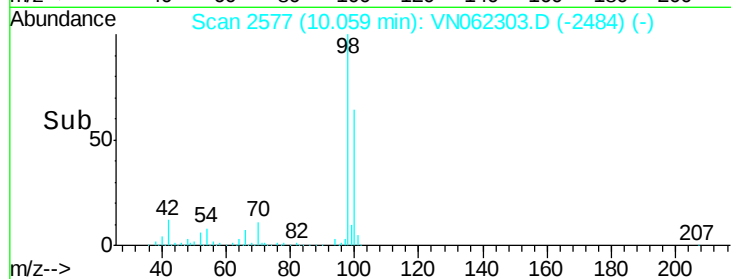
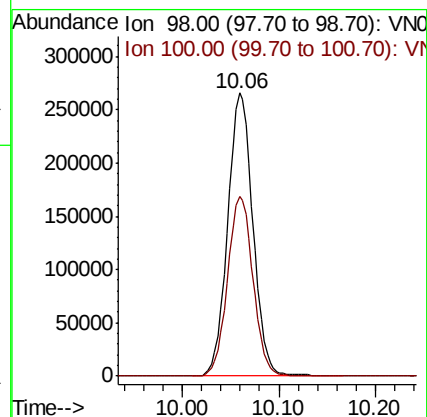
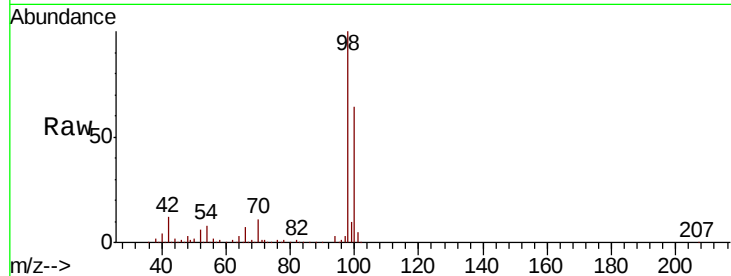
MH-D19

Tot Ion: 98 Resp: 481069

Ion Ratio Lower Upper

98 100

100 64.3 51.2 76.8



#51

4-Methyl-2-Pentanone

Concen: 0.740 ug/l

RT: 10.06 min Scan# 2578

Delta R.T. 0.11 min

Lab File: VN062303.D

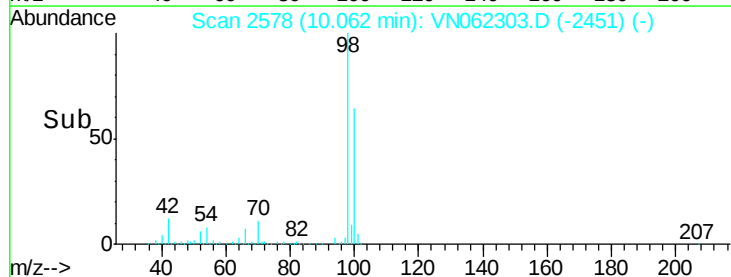
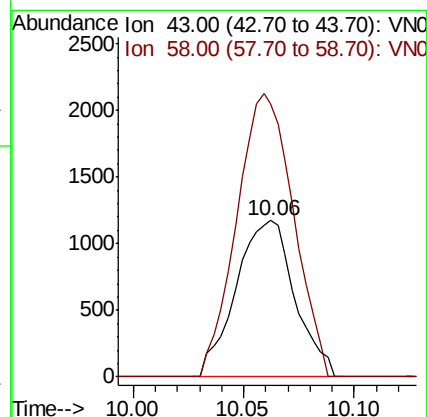
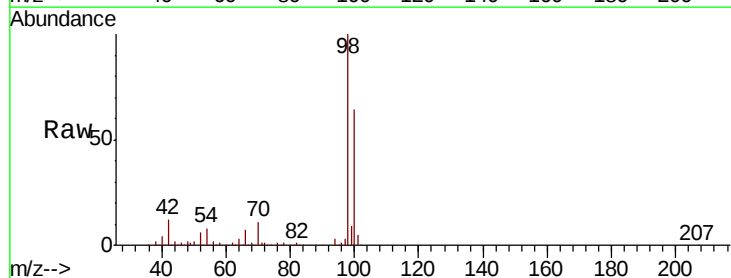
Acq: 1 Jul 2020 19:43

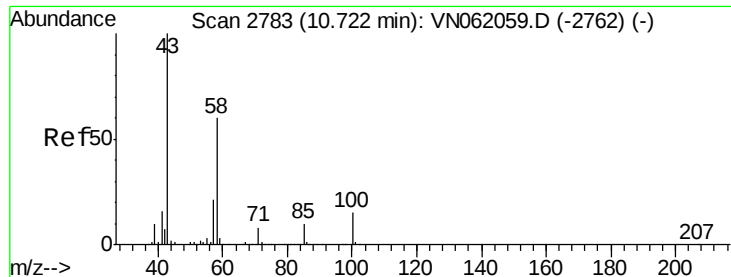
Tgt Ion: 43 Resp: 2174

Ion Ratio Lower Upper

43 100

58 174.3 34.2 51.2#

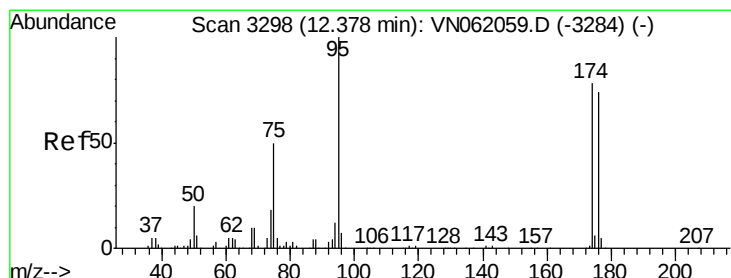
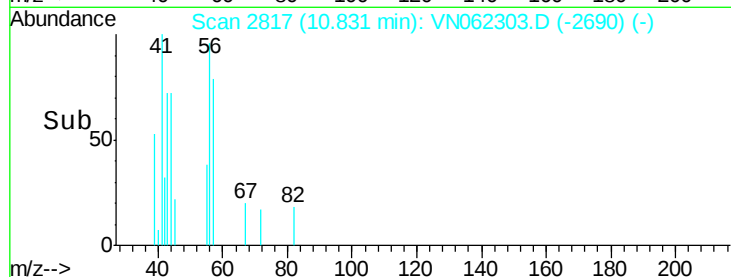
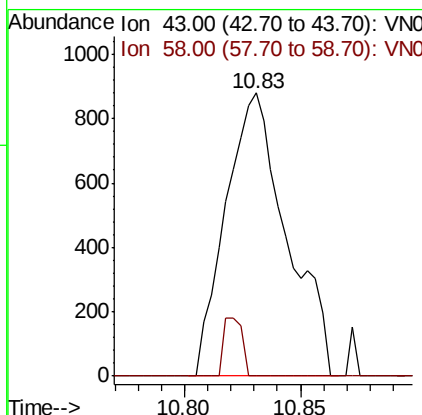
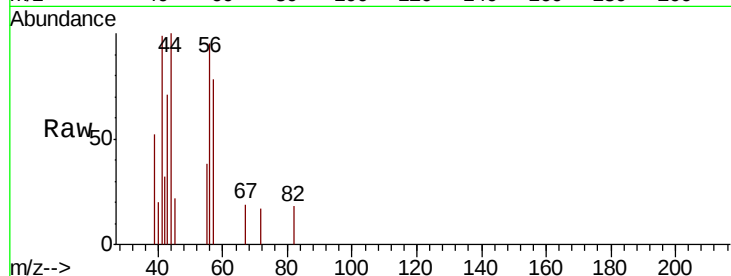




#59
2-Hexanone
Concen: 0.757 ug/l
RT: 10.83 min Scan# 2817
Delta R.T. 0.11 min
Lab File: VN062303.D
Acq: 1 Jul 2020 19:43

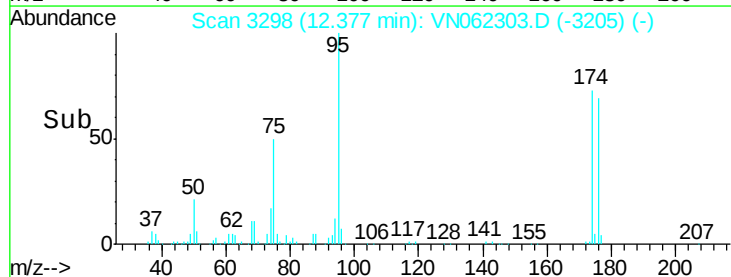
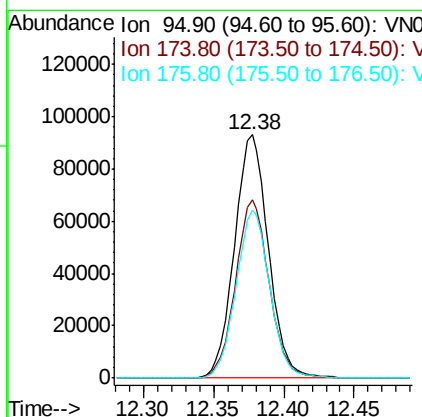
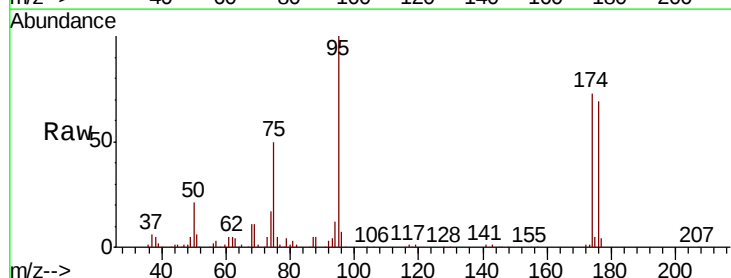
Instrument :
MSVOA_N
ClientSampled :
MH-D19

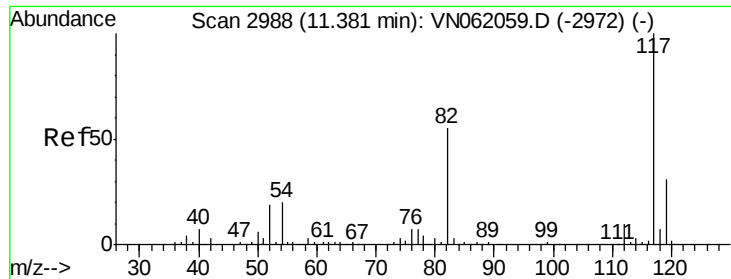
Tot Ion: 43 Resp: 1607
Ion Ratio Lower Upper
43 100
58 6.2 29.5 88.5#



#62
4-Bromofluorobenzene
Concen: 48.922 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN062303.D
Acq: 1 Jul 2020 19:43

Tgt Ion: 95 Resp: 157102
Ion Ratio Lower Upper
95 100
174 72.9 0.0 154.8
176 68.7 0.0 147.4

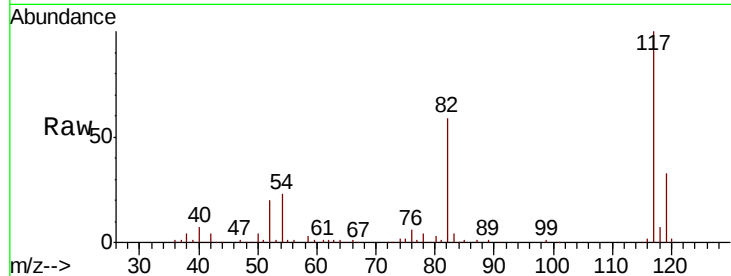




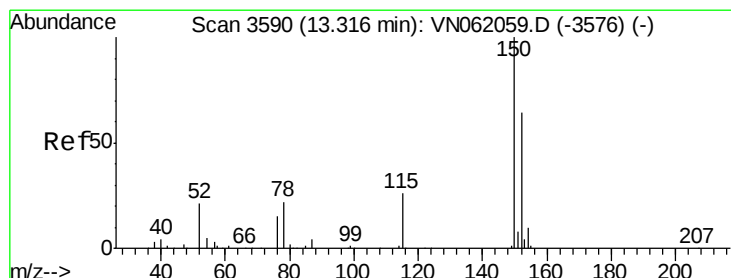
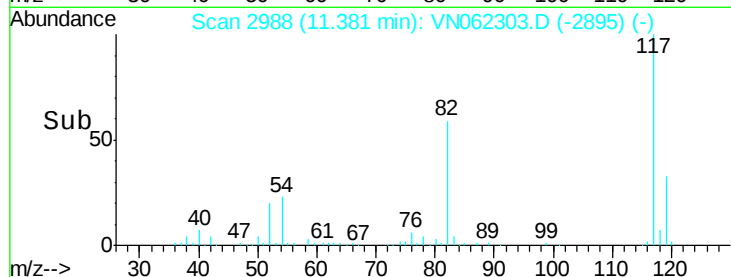
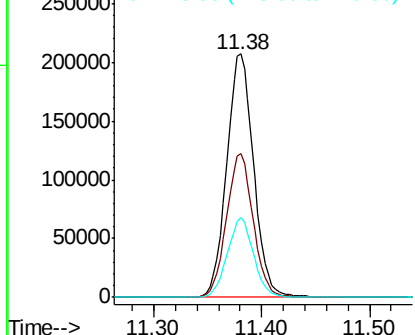
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.38 min Scan# 2988
 Delta R.T. -0.00 min
 Lab File: VN062303.D
 Acq: 1 Jul 2020 19:43

Instrument :
 MSVOA_N
 ClientSampled :
 MH-D19

Tot Ion:117 Resp: 360284
 Ion Ratio Lower Upper
 117 100
 82 59.0 43.8 65.8
 119 32.6 25.2 37.8

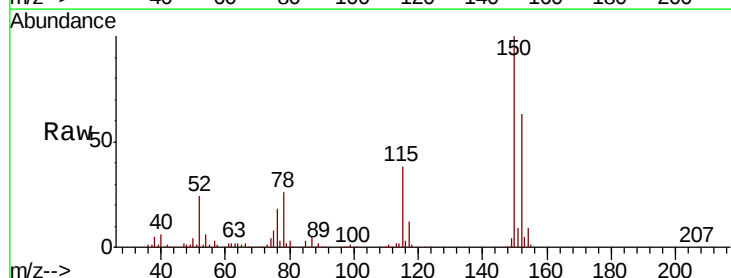


Abundance Ion 116.90 (116.60 to 117.60): V
 Ion 82.00 (81.70 to 82.70): VN
 Ion 118.90 (118.60 to 119.60): V

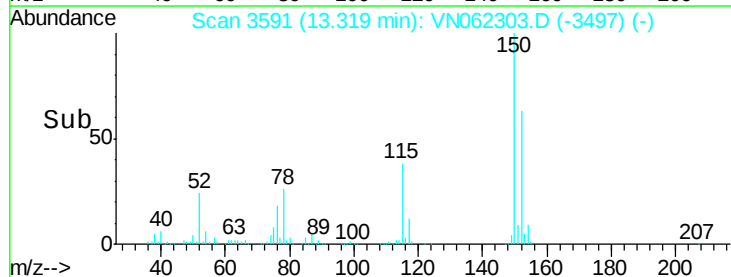
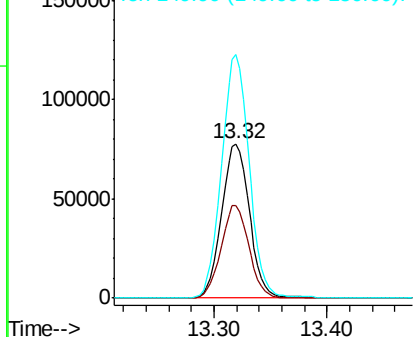


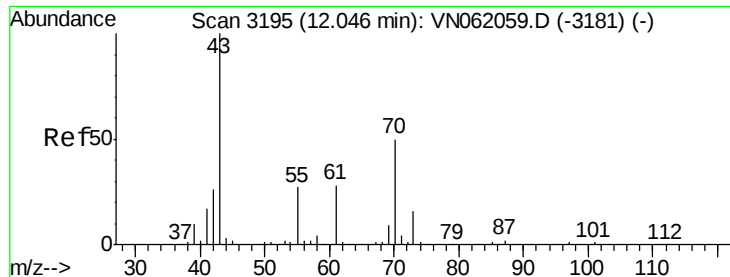
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.32 min Scan# 3591
 Delta R.T. 0.00 min
 Lab File: VN062303.D
 Acq: 1 Jul 2020 19:43

Tgt Ion:152 Resp: 133238
 Ion Ratio Lower Upper
 152 100
 115 59.7 29.5 88.5
 150 156.4 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: 3.367 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. 0.05 min

Lab File: VN062303.D

Acq: 1 Jul 2020 19:43

Instrument :

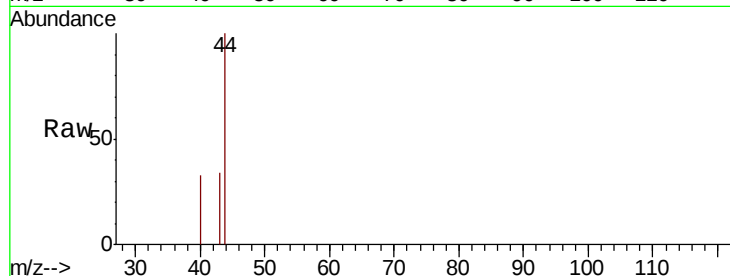
MSVOA_N

ClientSampled :

MH-D19

Tot Ion: 43 Resp: 99

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#

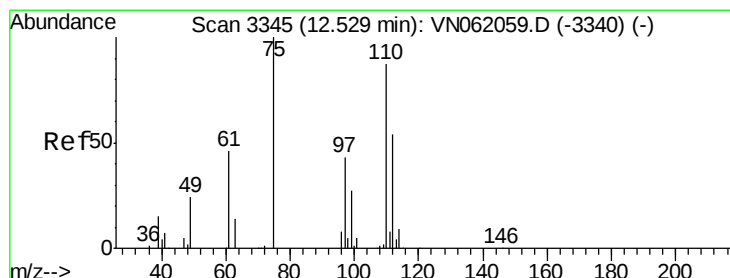
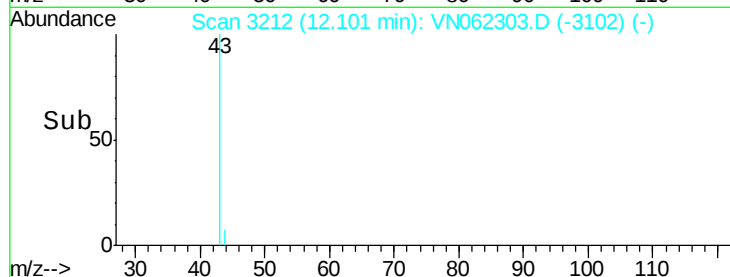
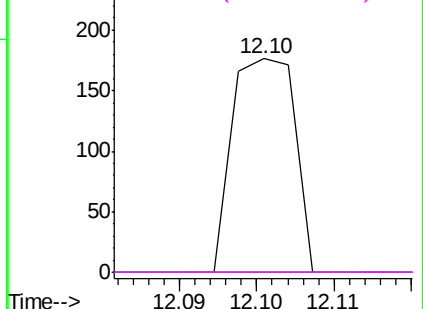


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO



#76

1,2,3-Trichloropropane

Concen: 25.817 ug/l

RT: 12.38 min Scan# 3298

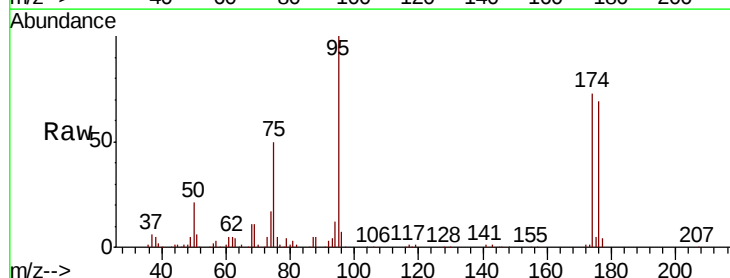
Delta R.T. -0.15 min

Lab File: VN062303.D

Acq: 1 Jul 2020 19:43

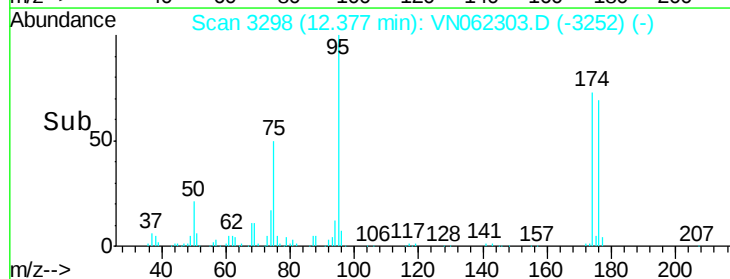
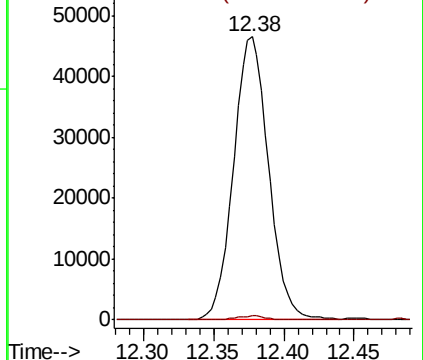
Tgt Ion: 75 Resp: 80976

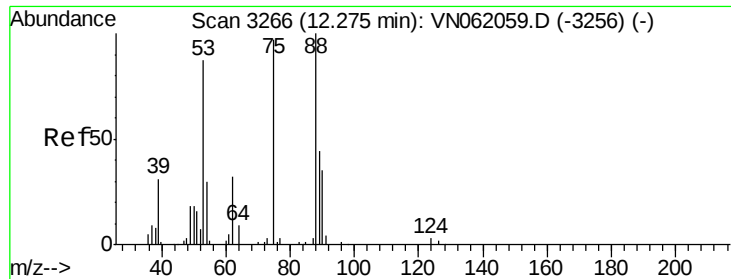
Ion	Ratio	Lower	Upper
75	100		
77	1.2	0.0	0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#81

trans-1,4-Dichloro-2-butene

Concen: 75.395 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062303.D

Acq: 1 Jul 2020 19:43

Instrument :

MSVOA_N

ClientSampleId :

MH-D19

Tot Ion: 75 Resp: 80976

Ion Ratio Lower Upper

75 100

53 0.0 72.0 108.0#

89 0.0 36.9 55.3#

