

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071020\
 Data File : VN062496.D
 Acq On : 10 Jul 2020 16:43
 Operator : JC/MD
 Sample : L3250-10 50X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 11 02:08:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070820W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 10 00:55:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	188660	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	332741	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	317586	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	116419	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	144432	49.77	ug/l	0.00
Spiked Amount			Recovery	=	99.54%	
35) Dibromofluoromethane	7.55	113	109900	53.43	ug/l	0.00
Spiked Amount			Recovery	=	106.86%	
50) Toluene-d8	10.06	98	429527	52.90	ug/l	0.00
Spiked Amount			Recovery	=	105.80%	
62) 4-Bromofluorobenzene	12.38	95	151353	51.01	ug/l	0.00
Spiked Amount			Recovery	=	102.02%	

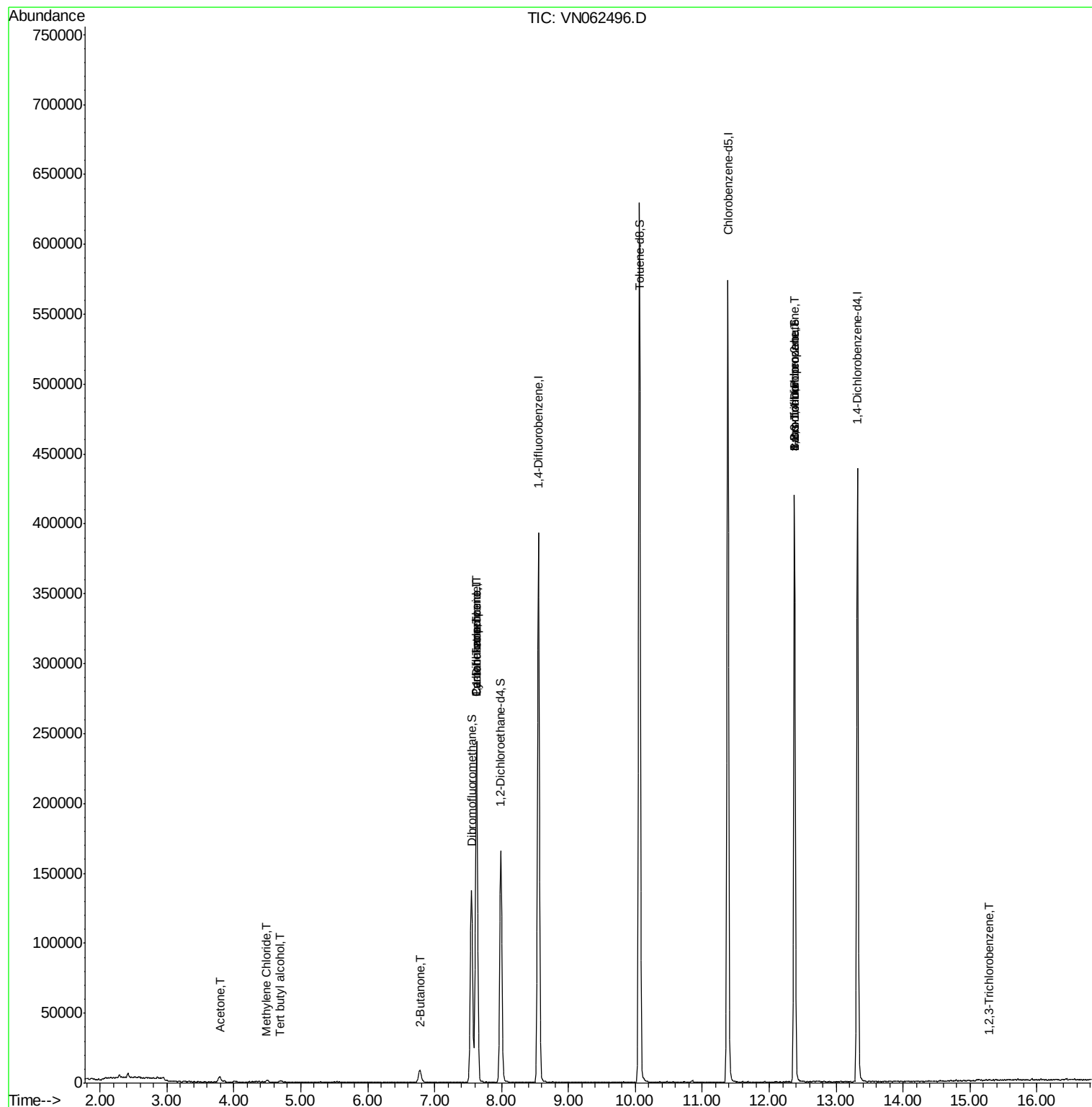
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.69	59	661	1.373	ug/l #	74
16) Acetone	3.79	43	7499	6.087	ug/l	95
20) Methylene Chloride	4.50	84	896	0.340	ug/l #	69
25) 2-Butanone	6.80	43	432	0.240	ug/l #	53
31) Cyclohexane	7.63	56	4574	1.038	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	16509	4.925	ug/l #	52
38) Carbon Tetrachloride	7.63	117	19394	6.435	ug/l #	16
71) Bromoform	12.38	173	888	0.532	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	80096	28.040	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	80096	75.051	ug/l #	10
95) Naphthalene	15.11	128	953	Below Cal	#	70
96) 1,2,3-Trichlorobenzene	15.29	180	171	3.307	ug/l #	66

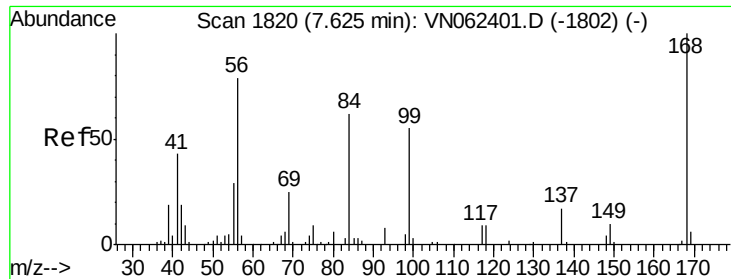
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jul 10 00:55:52 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: VN062496.D

Acq: 10 Jul 2020 16:43

Instrument :

MSVOA_N

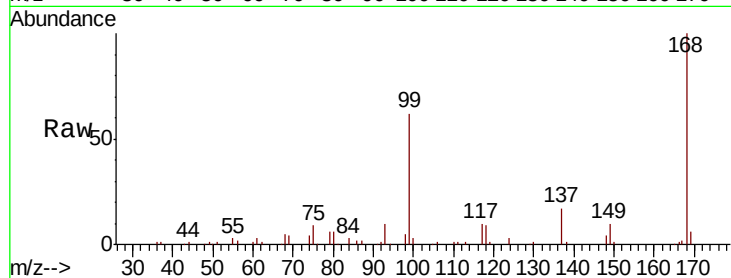
ClientSampled :

Tot Ion:168 Resp: 188660

Ion Ratio Lower Upper

168 100

99 61.5 48.8 73.2



Abundance Ion 167.90 (167.60 to 168.60): VN062401.D (-1802) (-)

Ion 98.90 (98.60 to 99.60): VN062401.D (-1802) (-)

7.63

80000

60000

40000

20000

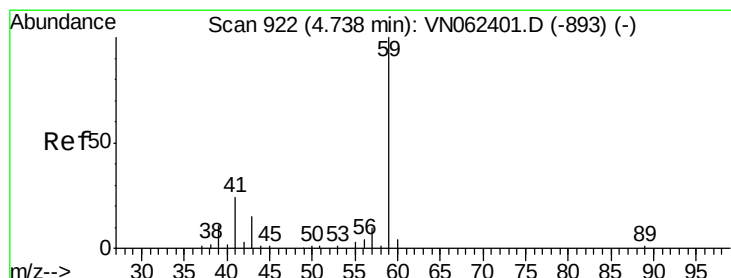
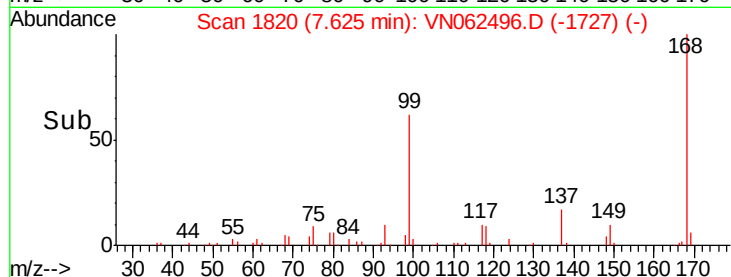
0

7.50

7.60

7.70

Time-->



#11

Tert butyl alcohol

Concen: 1.373 ug/l

RT: 4.69 min Scan# 906

Delta R.T. -0.05 min

Lab File: VN062496.D

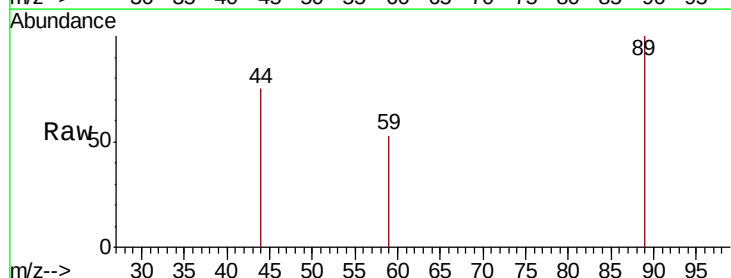
Acq: 10 Jul 2020 16:43

Tgt Ion: 59 Resp: 661

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VN062496.D (-829) (-)

Ion 57.00 (56.70 to 57.70): VN062496.D (-829) (-)

4.69

300

200

100

0

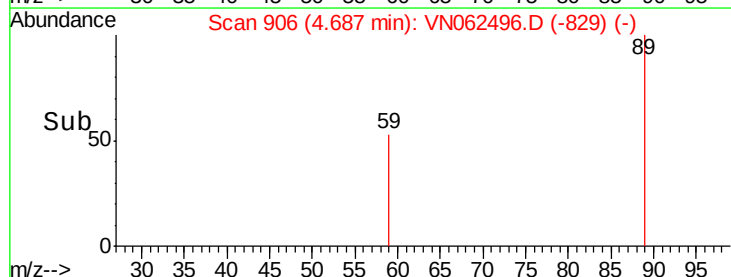
4.66

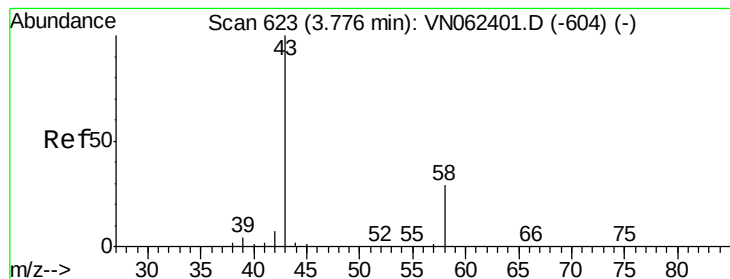
4.68

4.70

4.72

Time-->





#16

Acetone

Concen: 6.087 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN062496.D

Acq: 10 Jul 2020 16:43

Instrument :

MSVOA_N

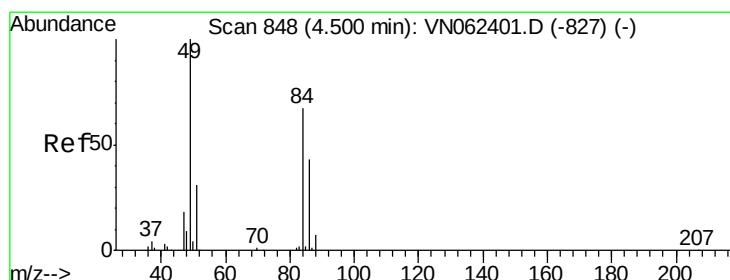
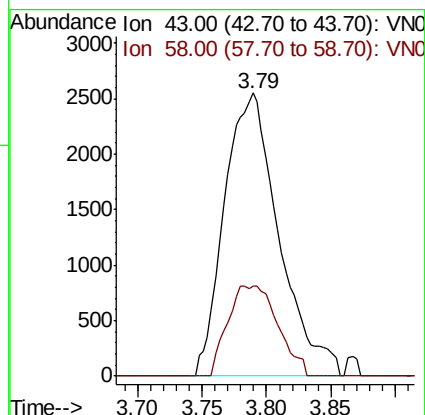
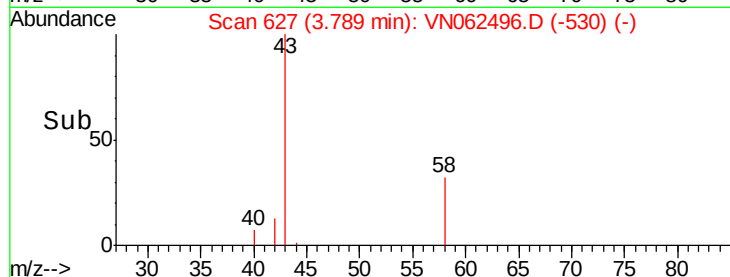
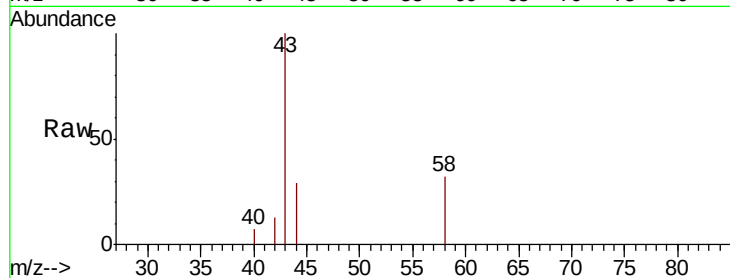
ClientSampleId :

Tot Ion: 43 Resp: 7499

Ion Ratio Lower Upper

43 100

58 32.1 23.5 35.3



#20

Methylene Chloride

Concen: 0.340 ug/l

RT: 4.50 min Scan# 847

Delta R.T. -0.00 min

Lab File: VN062496.D

Acq: 10 Jul 2020 16:43

Tgt Ion: 84 Resp: 896

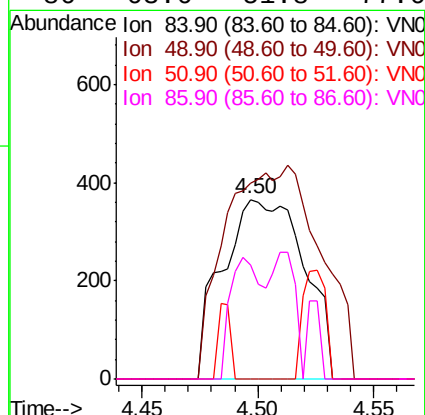
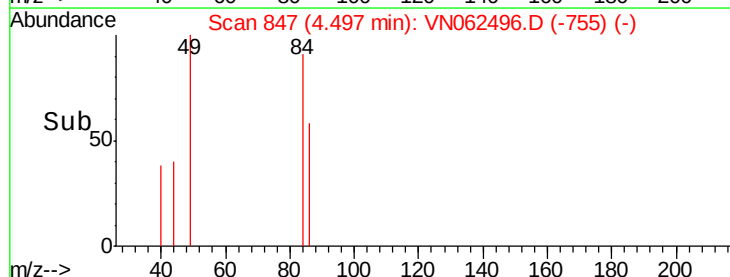
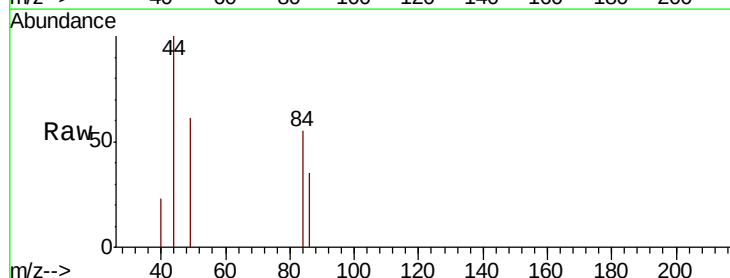
Ion Ratio Lower Upper

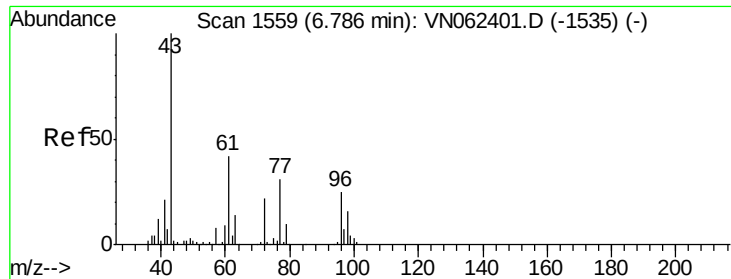
84 100

49 109.3 120.0 180.0#

51 0.0 37.0 55.6#

86 63.6 51.8 77.6

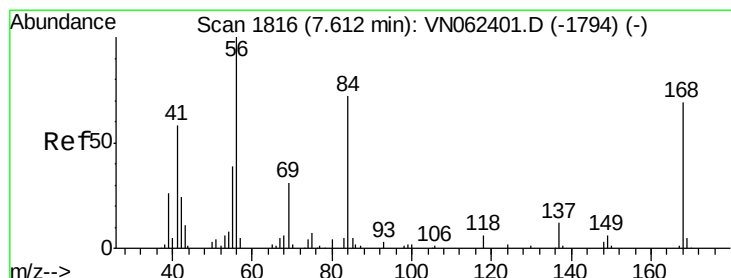
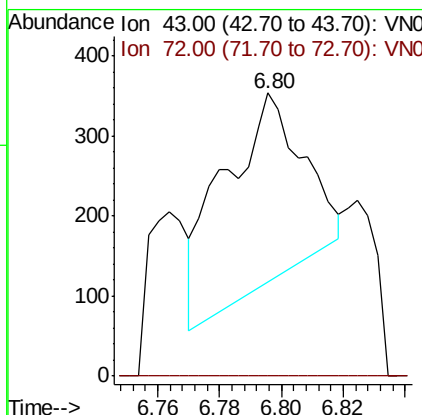
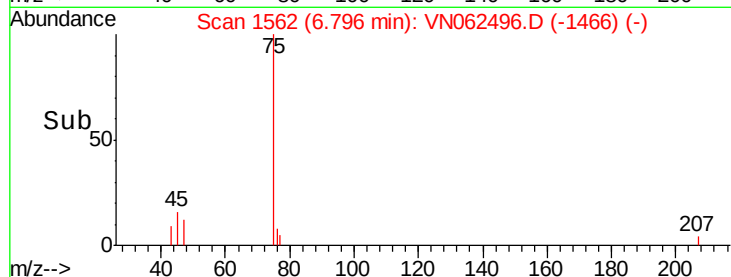
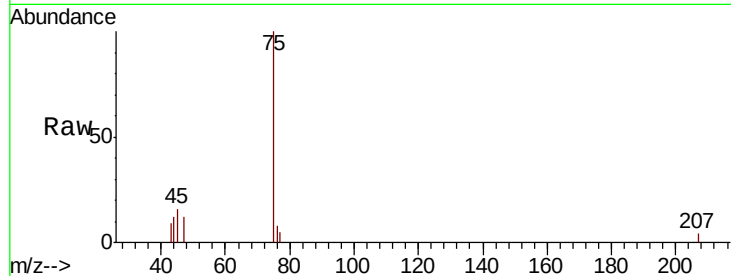




#25
2-Butanone
Concen: 0.240 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.01 min
Lab File: VN062496.D
Acq: 10 Jul 2020 16:43

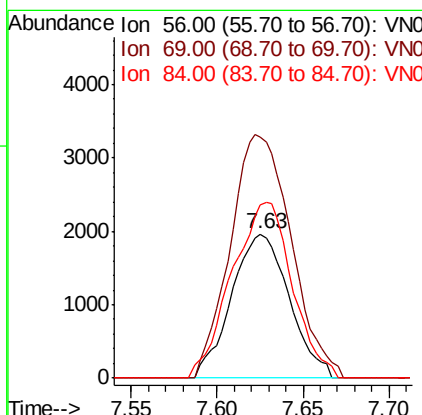
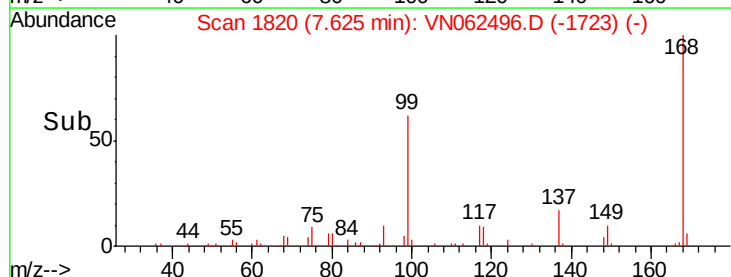
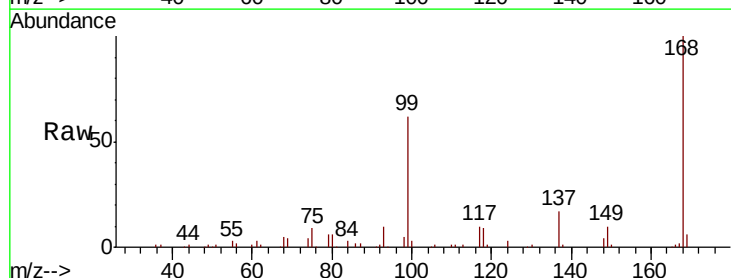
Instrument :
MSVOA_N
ClientSampleId :

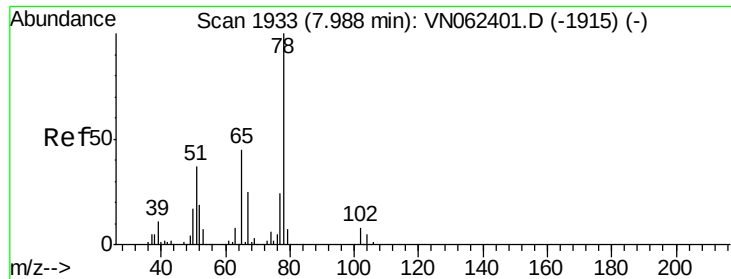
Tot Ion: 43 Resp: 432
Ion Ratio Lower Upper
43 100
72 0.0 17.9 26.9#



#31
Cyclohexane
Concen: 1.038 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. 0.01 min
Lab File: VN062496.D
Acq: 10 Jul 2020 16:43

Tgt Ion: 56 Resp: 4574
Ion Ratio Lower Upper
56 100
69 167.5 24.5 36.7#
84 120.7 57.4 86.2#

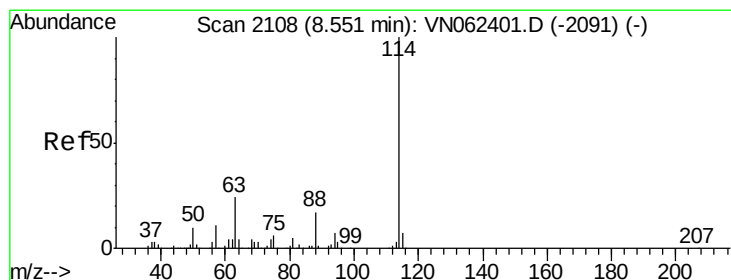
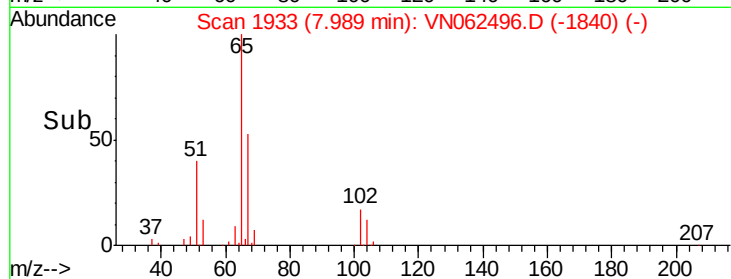
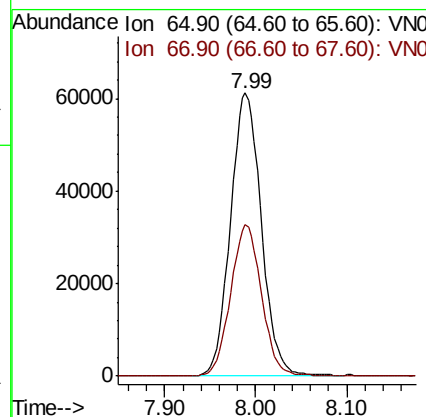
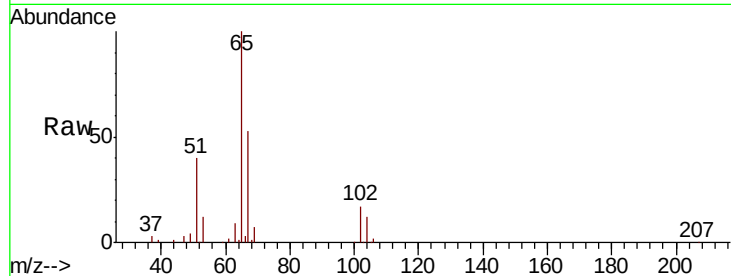




#33
 1,2-Dichloroethane-d4
 Concen: 49.773 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN062496.D
 Acq: 10 Jul 2020 16:43

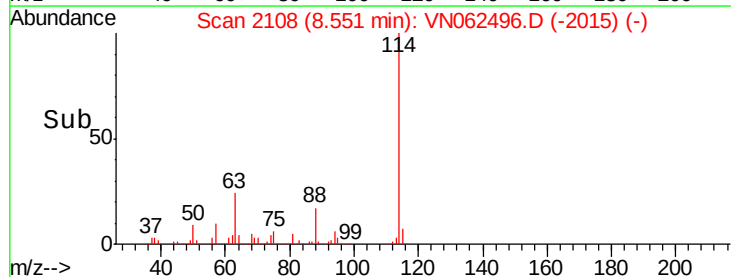
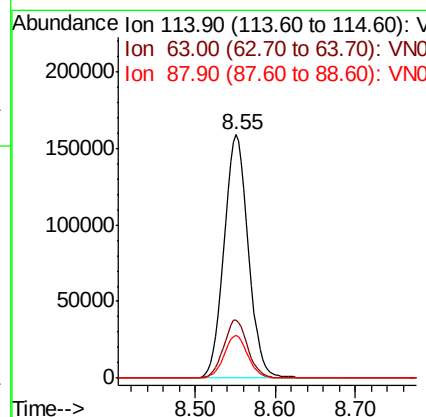
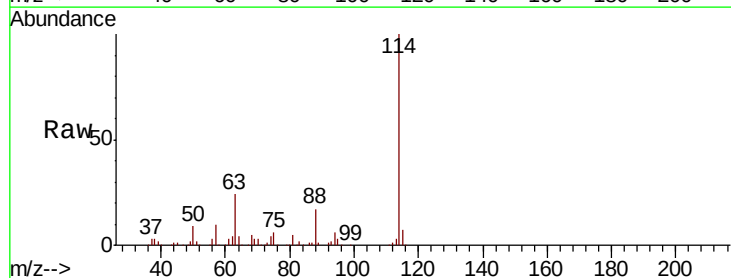
Instrument :
 MSVOA_N
 ClientSampleId :

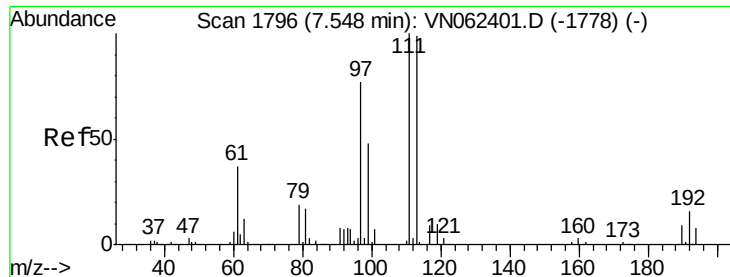
Tot Ion: 65 Resp: 144432
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062496.D
 Acq: 10 Jul 2020 16:43

Tgt Ion: 114 Resp: 332741
 Ion Ratio Lower Upper
 114 100
 63 23.8 0.0 48.4
 88 17.4 0.0 33.8

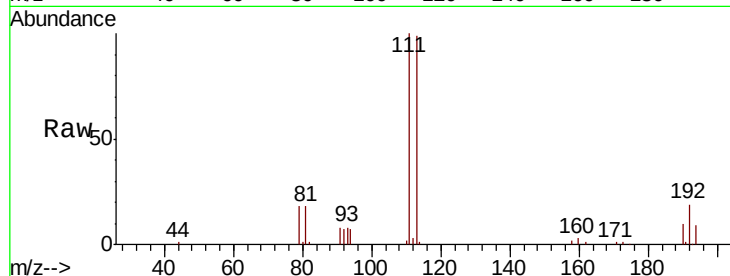




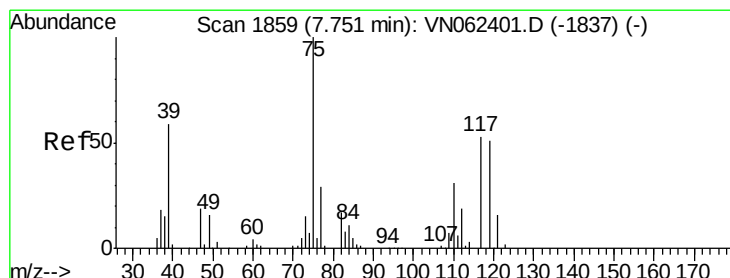
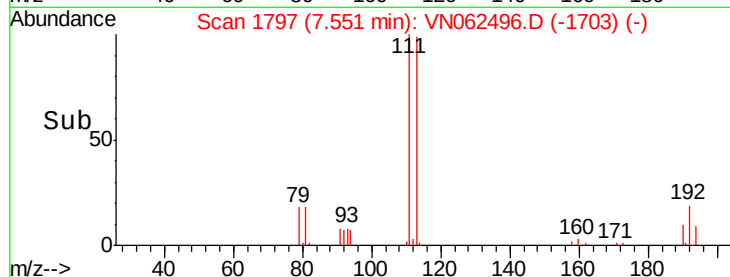
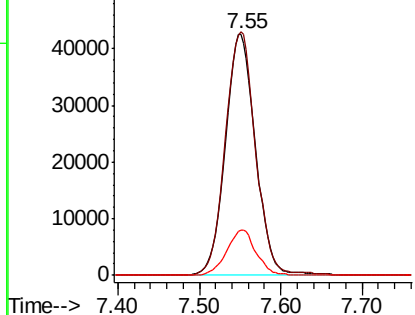
#35
 Dibromofluoromethane
 Concen: 53.433 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN062496.D
 Acq: 10 Jul 2020 16:43

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.8	83.1	124.7
192	18.2	14.1	21.1

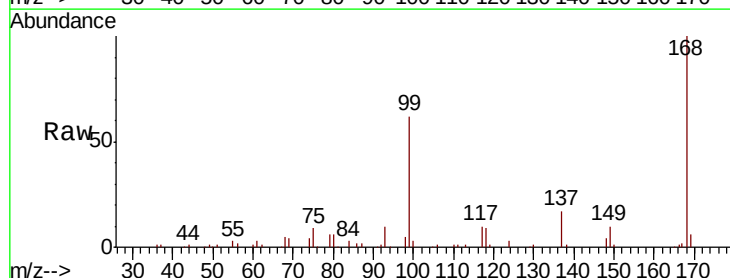


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

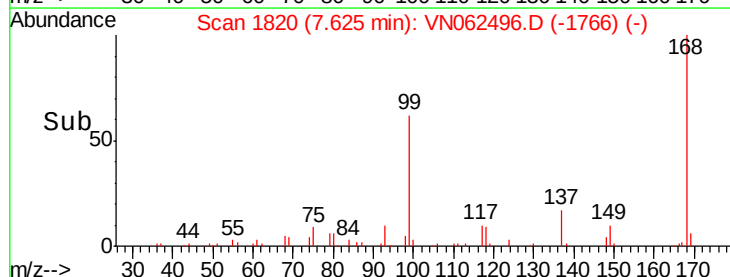
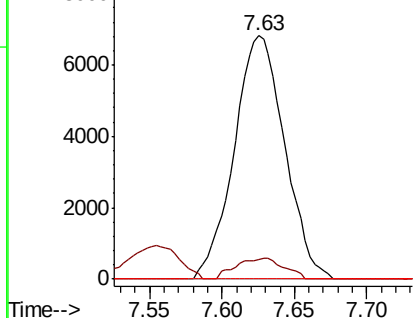


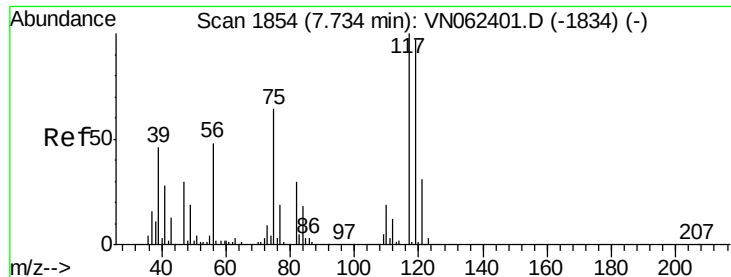
#36
 1,1-Dichloropropene
 Concen: 4.925 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062496.D
 Acq: 10 Jul 2020 16:43

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.2	15.4	46.2#
77	0.0	24.1	36.1#



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 6.435 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN062496.D

Acq: 10 Jul 2020 16:43

Instrument :

MSVOA_N

ClientSampled :

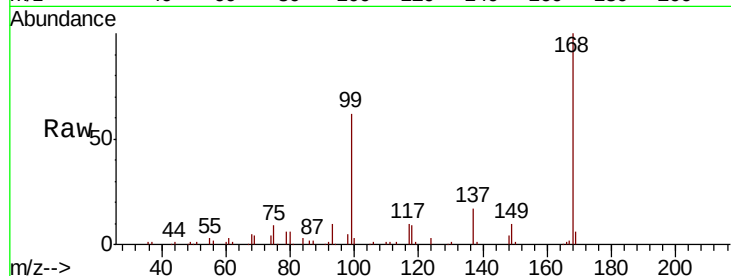
Tot Ion:117 Resp: 19394

Ion Ratio Lower Upper

117 100

119 5.9 77.2 115.8#

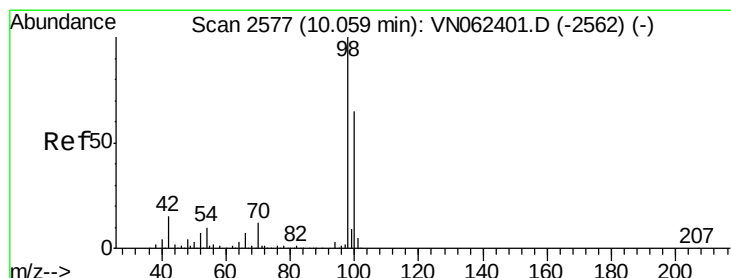
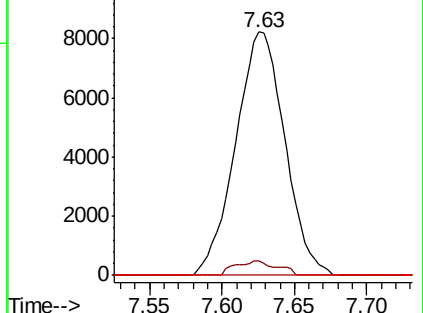
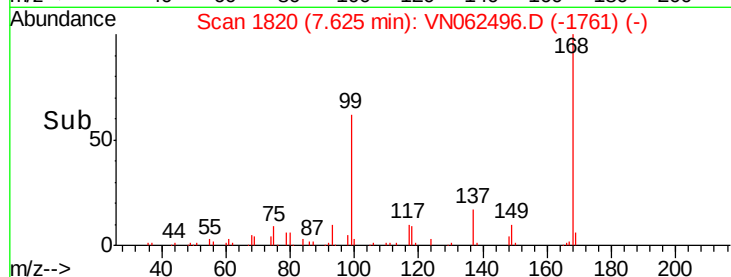
121 0.0 24.8 37.2#



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: 52.900 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN062496.D

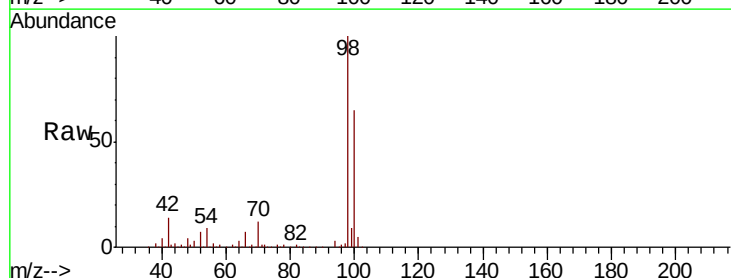
Acq: 10 Jul 2020 16:43

Tgt Ion: 98 Resp: 429527

Ion Ratio Lower Upper

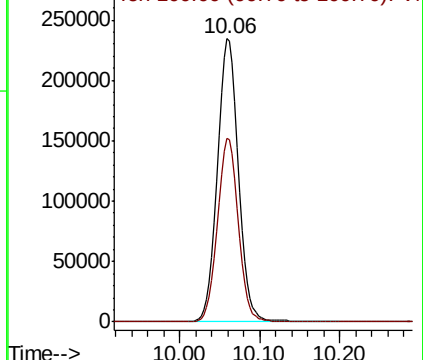
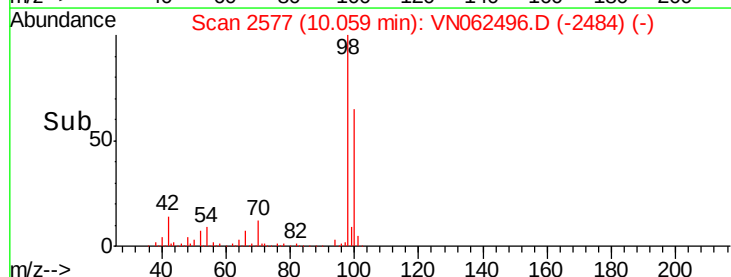
98 100

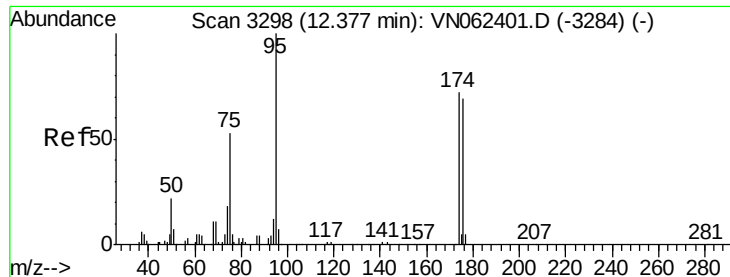
100 64.0 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN





#62

4-Bromofluorobenzene

Concen: 51.009 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN062496.D

Acq: 10 Jul 2020 16:43

Instrument :

MSVOA_N

ClientSampled :

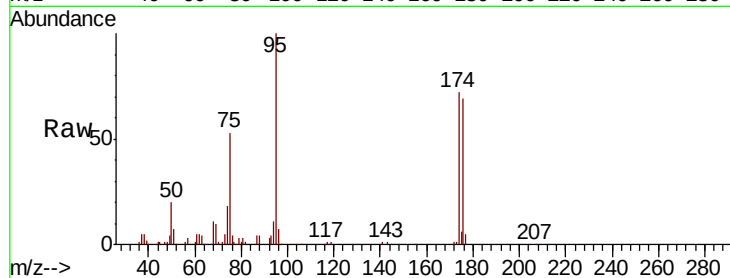
Tot Ion: 95 Resp: 151353

Ion Ratio Lower Upper

95 100

174 72.8 0.0 141.6

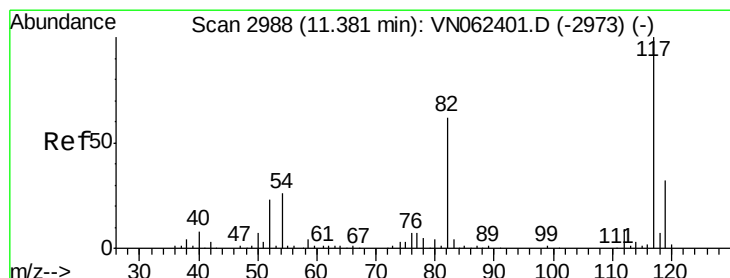
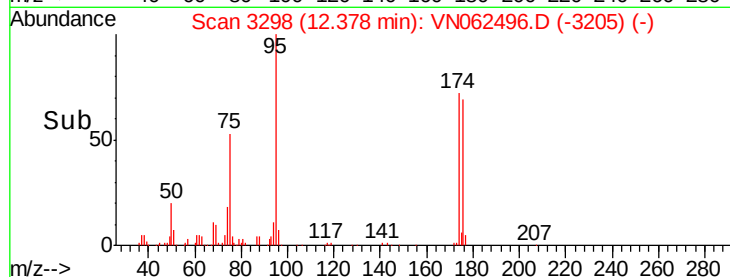
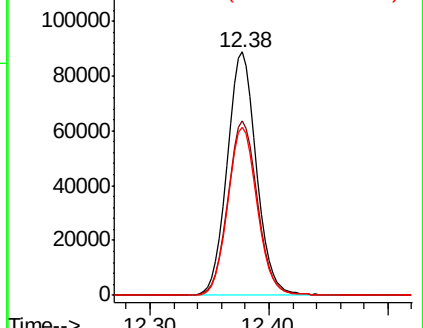
176 69.6 0.0 137.2



Abundance Ion 94.90 (94.60 to 95.60): VN062496.D (-3205) (-)

Ion 173.80 (173.50 to 174.50): VN062496.D (-3205) (-)

Ion 175.80 (175.50 to 176.50): VN062496.D (-3205) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. 0.00 min

Lab File: VN062496.D

Acq: 10 Jul 2020 16:43

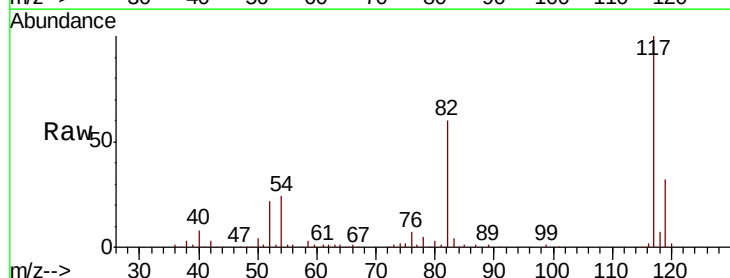
Tgt Ion: 117 Resp: 317586

Ion Ratio Lower Upper

117 100

82 60.2 49.6 74.4

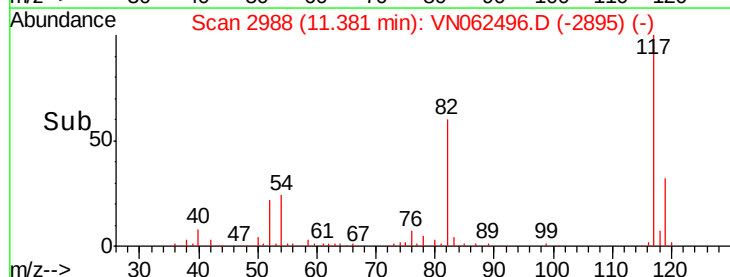
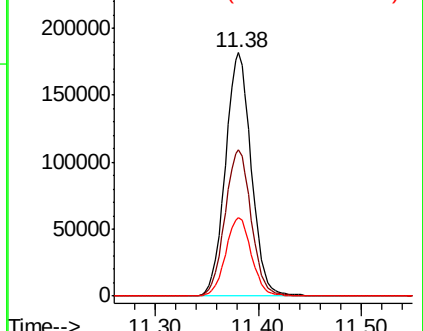
119 32.4 25.4 38.0

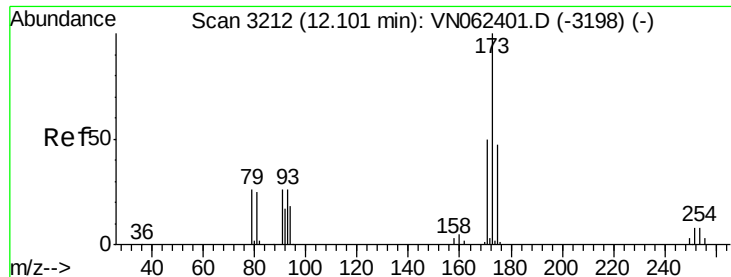


Abundance Ion 116.90 (116.60 to 117.60): VN062496.D (-2895) (-)

Ion 82.00 (81.70 to 82.70): VN062496.D (-2895) (-)

Ion 118.90 (118.60 to 119.60): VN062496.D (-2895) (-)





#71

Bromoform

Concen: 0.532 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.28 min

Lab File: VN062496.D

Acq: 10 Jul 2020 16:43

Instrument :

MSVOA_N

ClientSampled :

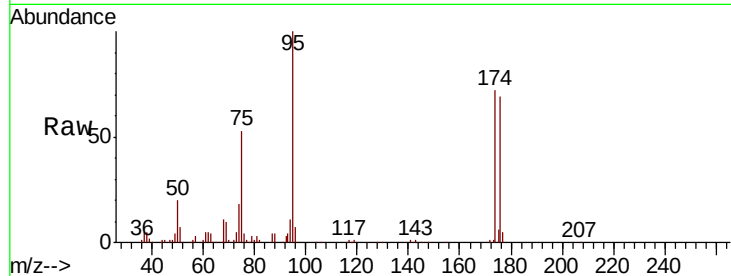
Tot Ion:173 Resp: 888

Ion Ratio Lower Upper

173 100

175 767.3 23.7 71.1#

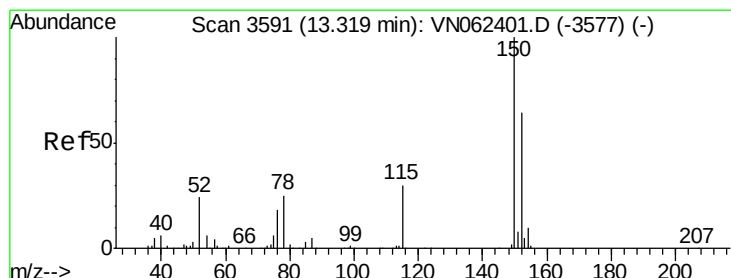
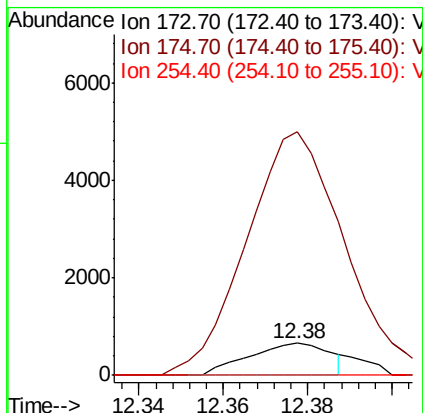
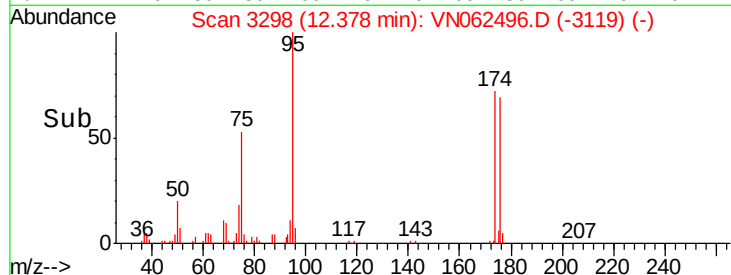
254 0.0 0.0 0.0



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: VN062496.D

Acq: 10 Jul 2020 16:43

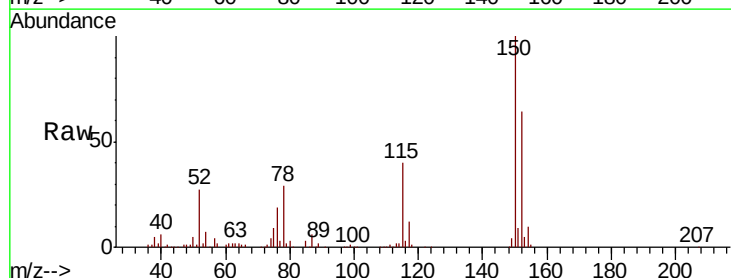
Tgt Ion:152 Resp: 116419

Ion Ratio Lower Upper

152 100

115 61.9 31.4 94.2

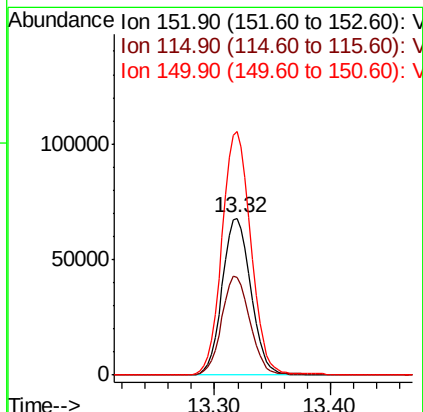
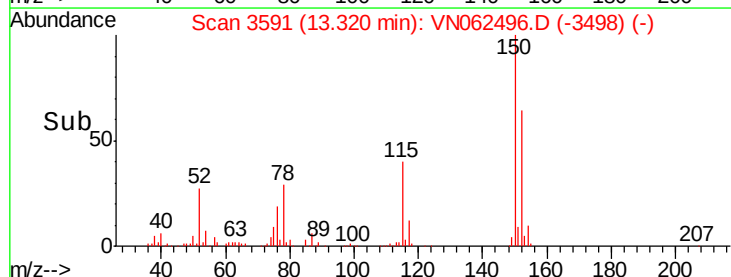
150 156.5 0.0 347.4

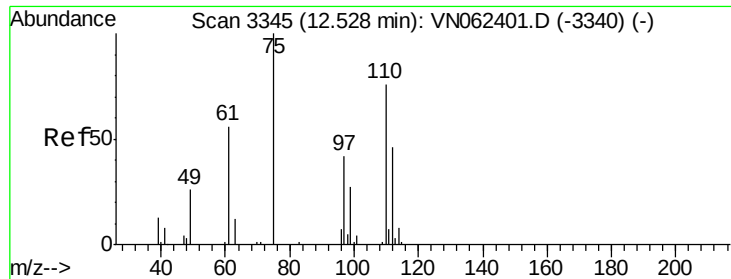


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

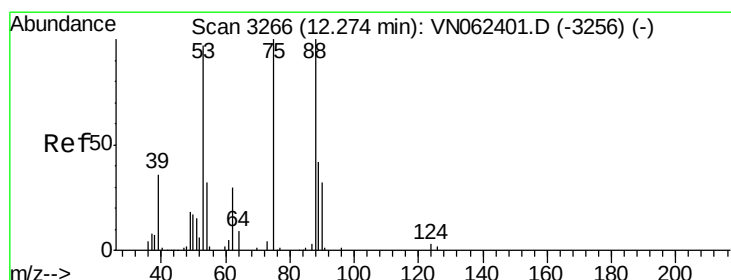
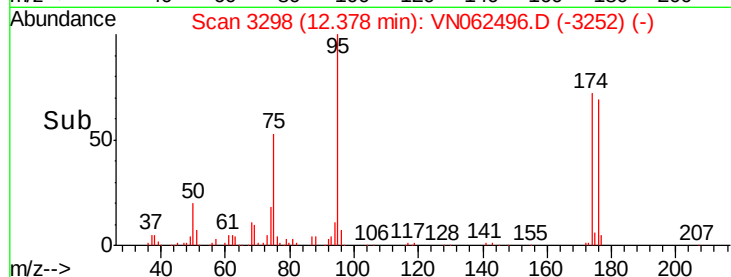
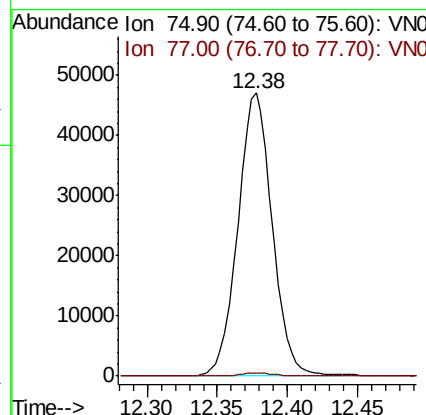
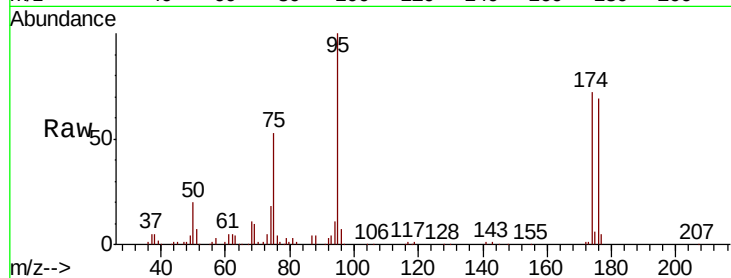




#76
 1,2,3-Trichloropropane
 Concen: 28.040 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.15 min
 Lab File: VN062496.D
 Acq: 10 Jul 2020 16:43

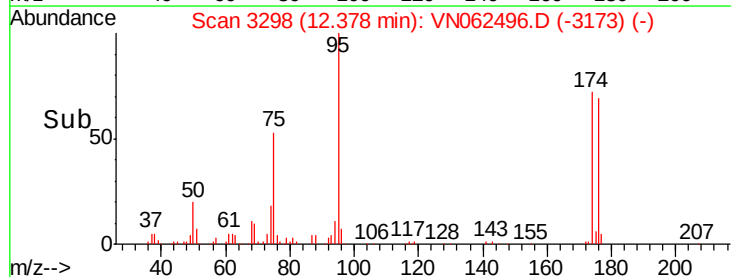
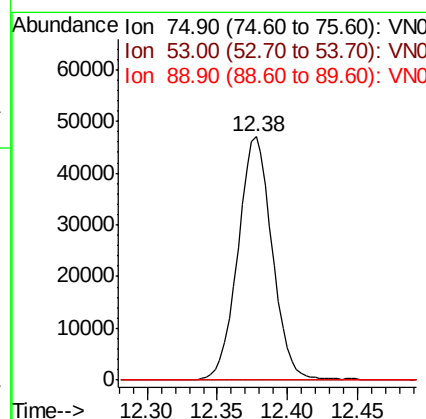
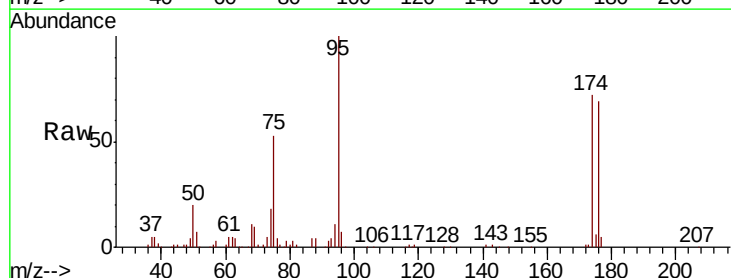
Instrument :
 MSVOA_N
 ClientSampleId :

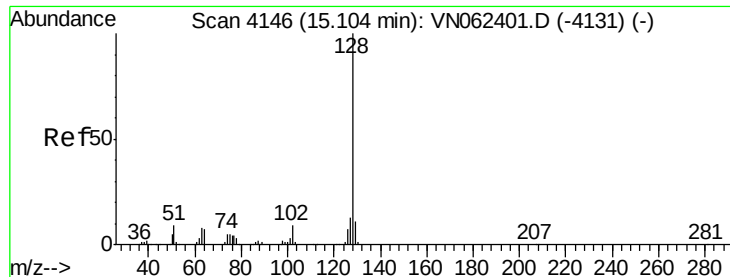
Tot Ion: 75 Resp: 80096
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 75.051 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.10 min
 Lab File: VN062496.D
 Acq: 10 Jul 2020 16:43

Tgt Ion: 75 Resp: 80096
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.2 118.8#
 89 0.0 34.6 52.0#





#95

Naphthalene

Concen: Below Cal

RT: 15.11 min Scan# 4148

Delta R.T. 0.01 min

Lab File: VN062496.D

Acq: 10 Jul 2020 16:43

Instrument :

MSVOA_N

ClientSampled :

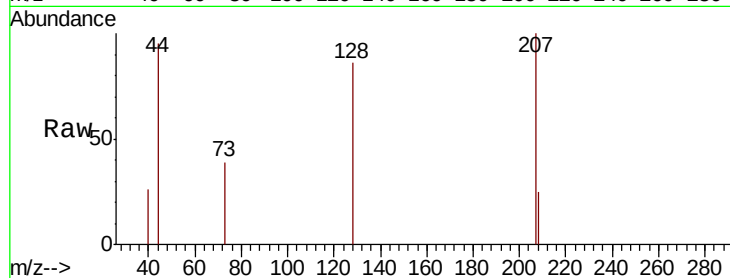
Tot Ion:128 Resp: 953

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

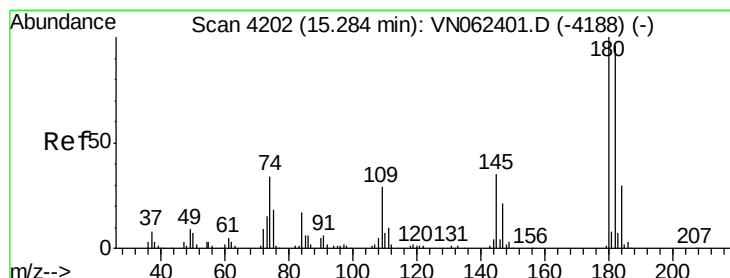
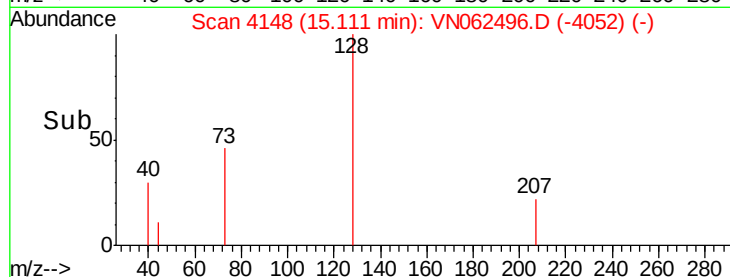
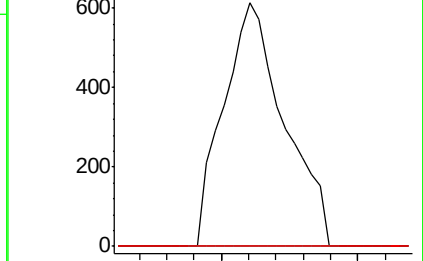
129 0.0 8.6 12.8#



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



#96

1,2,3-Trichlorobenzene

Concen: 3.307 ug/l

RT: 15.29 min Scan# 4203

Delta R.T. 0.00 min

Lab File: VN062496.D

Acq: 10 Jul 2020 16:43

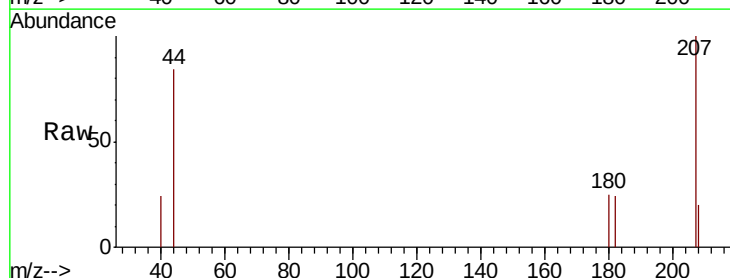
Tgt Ion:180 Resp: 171

Ion Ratio Lower Upper

180 100

182 70.8 47.8 143.4

145 0.0 17.0 50.9#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

