

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071020\
 Data File : VN062503.D
 Acq On : 10 Jul 2020 19:34
 Operator : JC/MD
 Sample : L3250-10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 11 02:10:05 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	181100	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	322730	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	308941	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	115271	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	141520	50.81	ug/l	0.00
Spiked Amount			Recovery	=	101.62%	
35) Dibromofluoromethane	7.55	113	103790	52.03	ug/l	0.00
Spiked Amount			Recovery	=	104.06%	
50) Toluene-d8	10.06	98	419852	53.31	ug/l	0.00
Spiked Amount			Recovery	=	106.62%	
62) 4-Bromofluorobenzene	12.38	95	147546	51.27	ug/l	0.00
Spiked Amount			Recovery	=	102.54%	

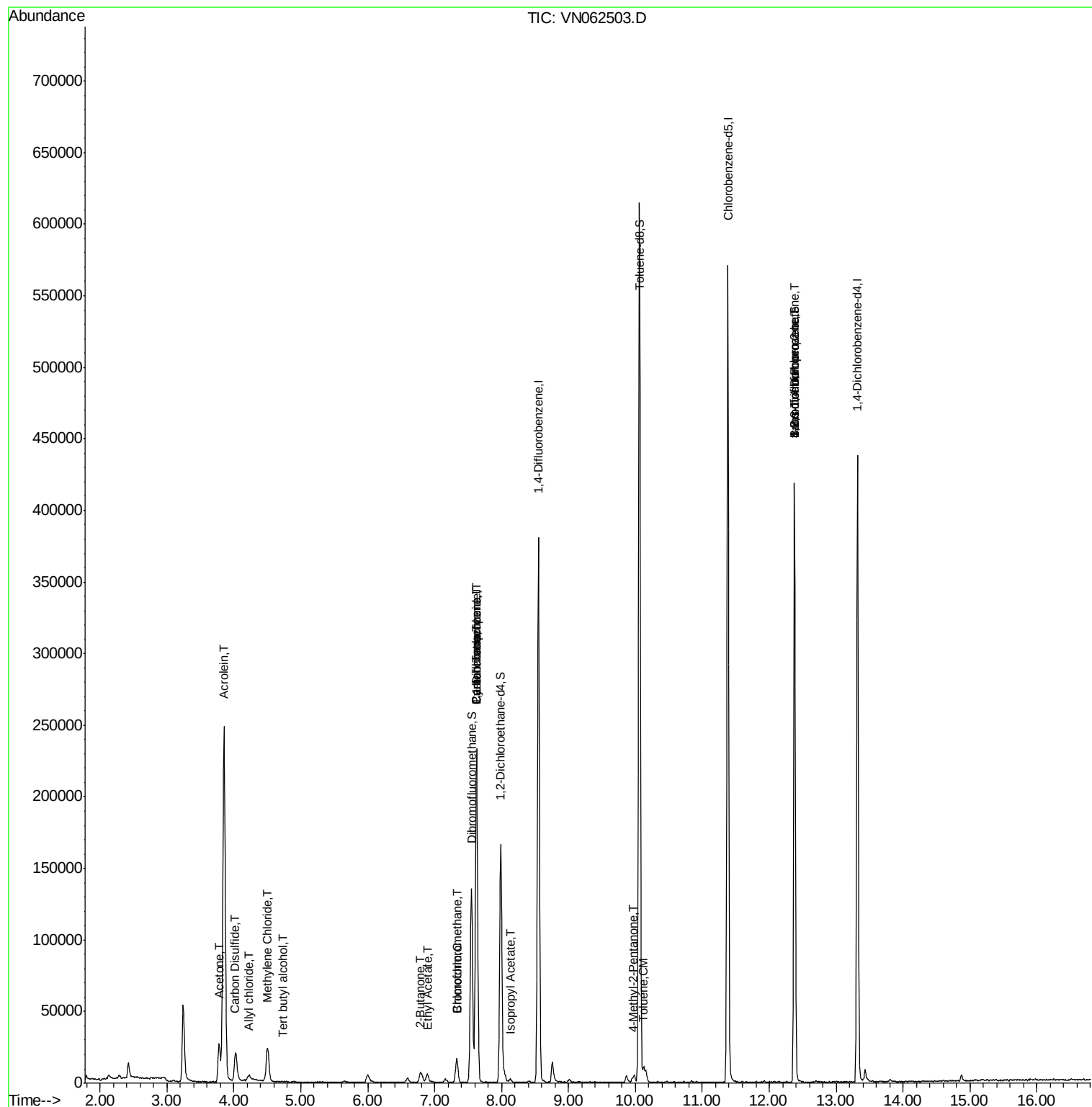
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.73	59	222	0.480	ug/l #	74
13) Acrolein	3.84	56	338	1.014	ug/l #	14
14) Allyl chloride	4.23	41	5711	1.306	ug/l #	43
16) Acetone	3.78	43	48410	40.934	ug/l	98
17) Carbon Disulfide	4.00	76	2209	0.379	ug/l #	75
20) Methylene Chloride	4.50	84	16410	6.490	ug/l	97
25) 2-Butanone	6.79	43	12859	7.445	ug/l	97
28) Bromochloromethane	7.33	49	979	0.404	ug/l #	24
30) Chloroform	7.33	83	18487	4.588	ug/l	100
31) Cyclohexane	7.63	56	4802	1.135	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	16062	4.940	ug/l #	47
37) Ethyl Acetate	6.89	43	10256	2.698	ug/l #	98
38) Carbon Tetrachloride	7.63	117	18491	6.326	ug/l #	15
43) Isopropyl Acetate	8.13	43	2992	0.498	ug/l #	78
51) 4-Methyl-2-Pentanone	9.96	43	2521	0.703	ug/l #	81
52) Toluene	10.13	92	3573	0.646	ug/l	98
71) Bromoform	12.38	173	1102	0.679	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	78449	27.737	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	78449	74.239	ug/l #	10
95) Naphthalene	15.12	128	109	Below Cal	#	70

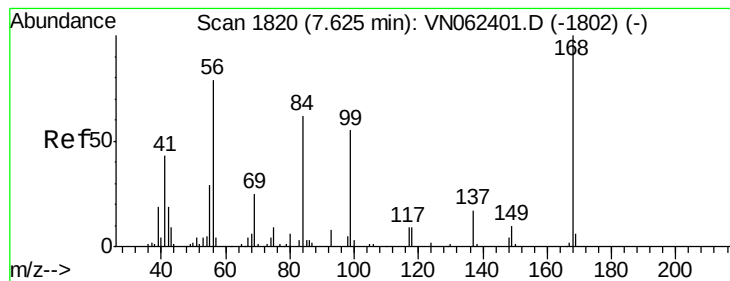
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 11 02:10:05 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N070820W.M
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: VN062503.D

Acq: 10 Jul 2020 19:34

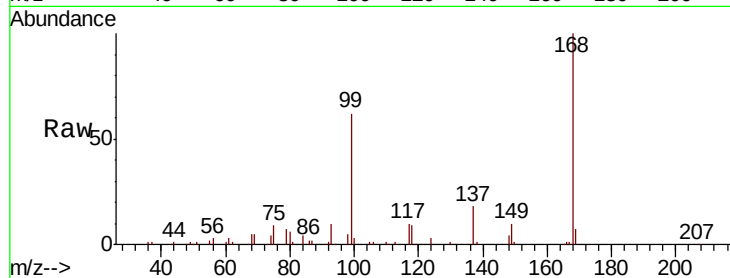
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 181100

Ion Ratio Lower Upper

168 100

99 62.5 48.8 73.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

80000

60000

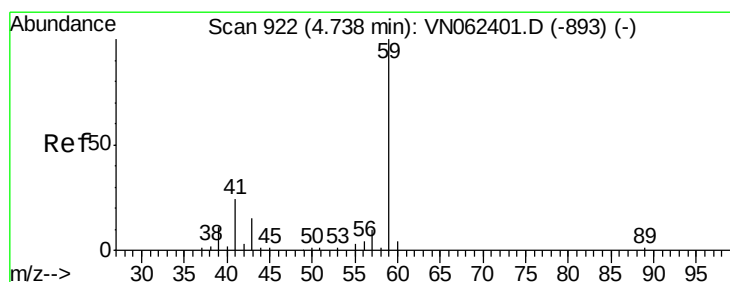
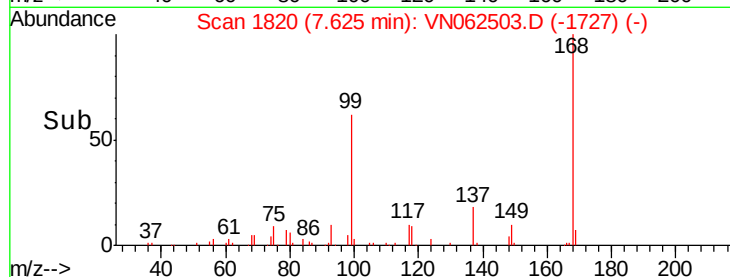
40000

20000

0

7.50 7.60 7.70 7.80

Time-->



#11

Tert butyl alcohol

Concen: 0.480 ug/l

RT: 4.73 min Scan# 919

Delta R.T. -0.01 min

Lab File: VN062503.D

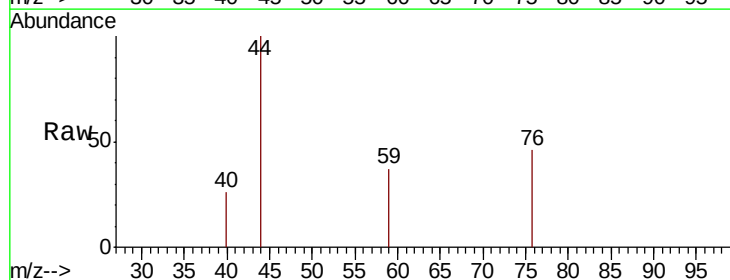
Acq: 10 Jul 2020 19:34

Tgt Ion: 59 Resp: 222

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.73

250

200

150

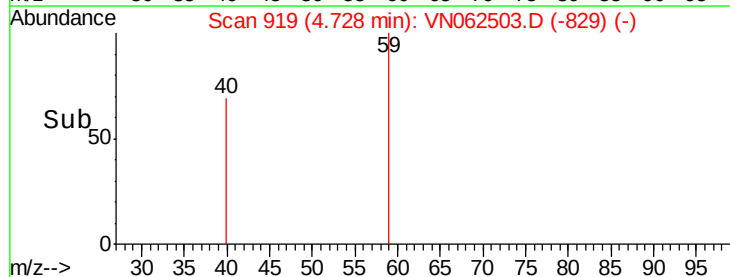
100

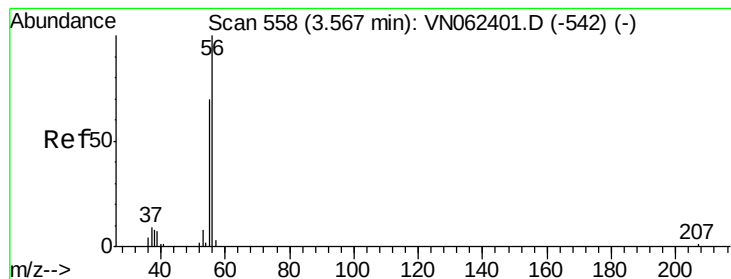
50

0

4.71 4.72 4.73 4.74 4.75

Time-->





#13

Acrolein

Concen: 1.014 ug/l

RT: 3.84 min Scan# 642

Delta R.T. 0.27 min

Lab File: VN062503.D

Acq: 10 Jul 2020 19:34

Instrument :

MSVOA_N

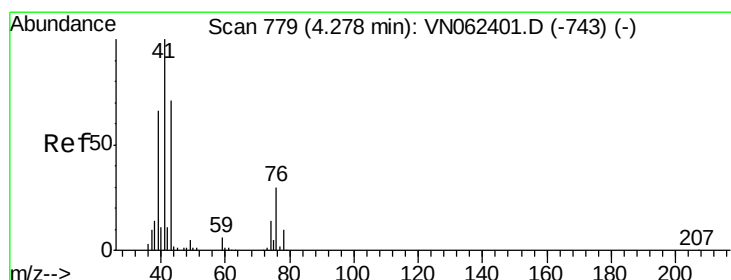
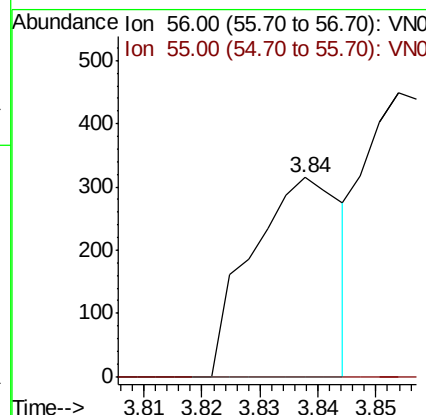
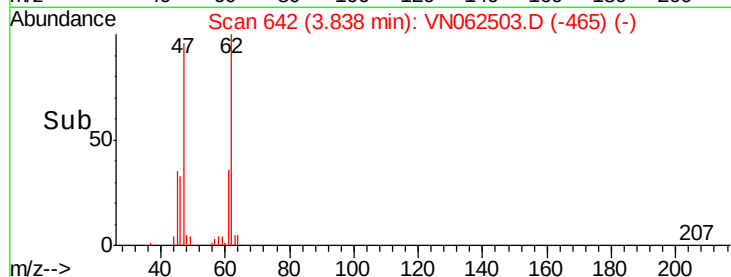
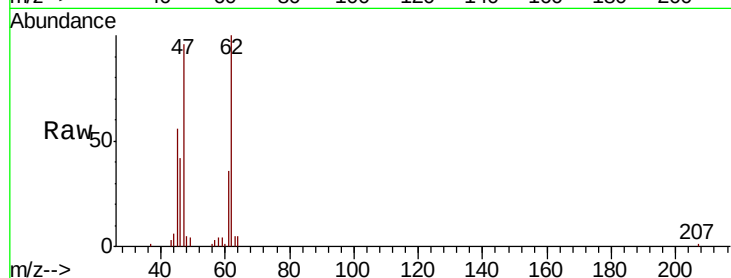
ClientSampleId :

Tot Ion: 56 Resp: 338

Ion Ratio Lower Upper

56 100

55 0.0 57.2 85.8#



#14

Allyl chloride

Concen: 1.306 ug/l

RT: 4.23 min Scan# 763

Delta R.T. -0.05 min

Lab File: VN062503.D

Acq: 10 Jul 2020 19:34

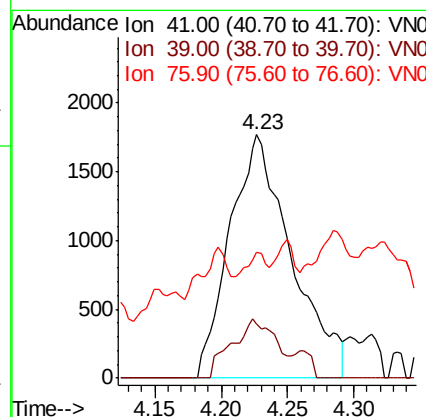
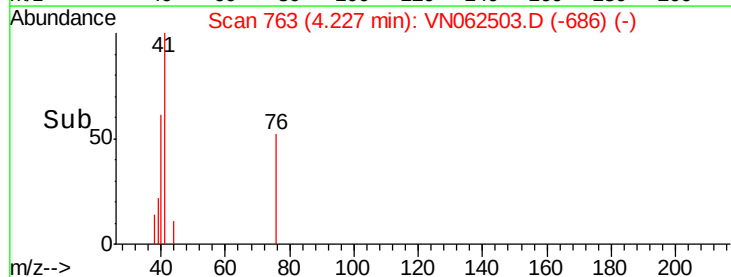
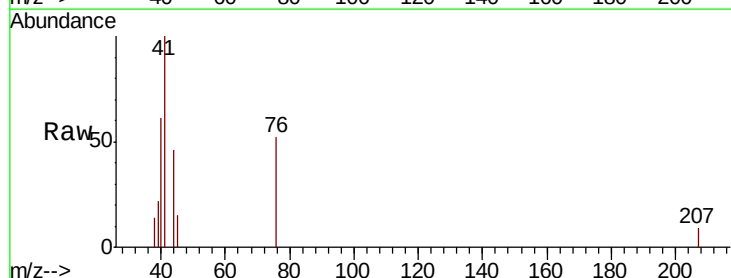
Tgt Ion: 41 Resp: 5711

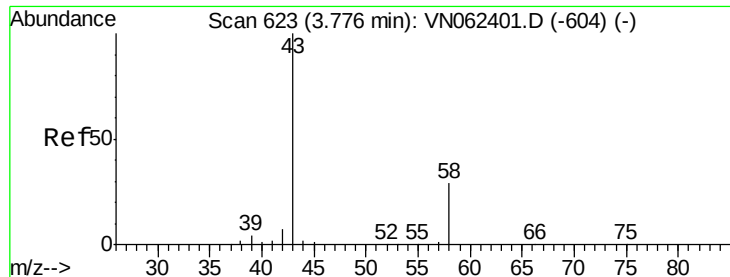
Ion Ratio Lower Upper

41 100

39 17.1 49.6 74.4#

76 0.0 22.2 33.4#





#16

Acetone

Concen: 40.934 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.00 min

Lab File: VN062503.D

Acq: 10 Jul 2020 19:34

Instrument :

MSVOA_N

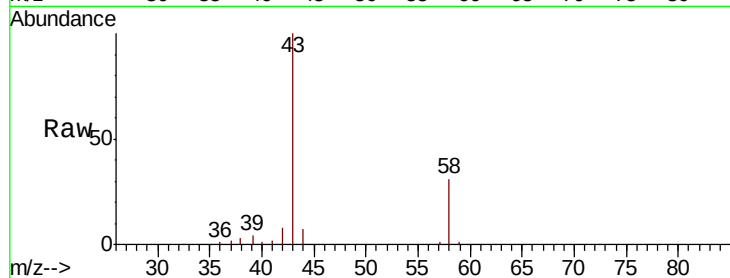
ClientSampleId :

Tot Ion: 43 Resp: 48410

Ion Ratio Lower Upper

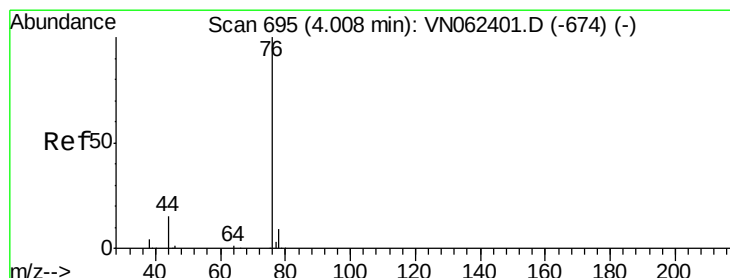
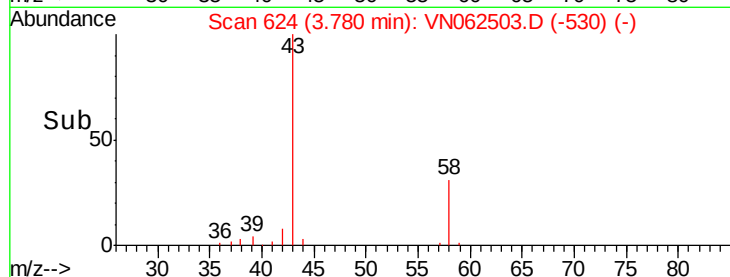
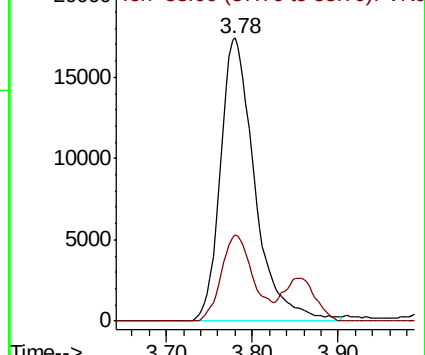
43 100

58 30.6 23.5 35.3



Abundance Ion 43.00 (42.70 to 43.70): VN062503.D (-530) (-)

Ion 58.00 (57.70 to 58.70): VN062503.D (-530) (-)



#17

Carbon Disulfide

Concen: 0.379 ug/l

RT: 4.00 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN062503.D

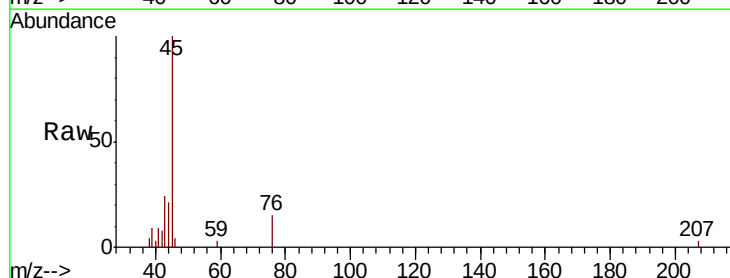
Acq: 10 Jul 2020 19:34

Tgt Ion: 76 Resp: 2209

Ion Ratio Lower Upper

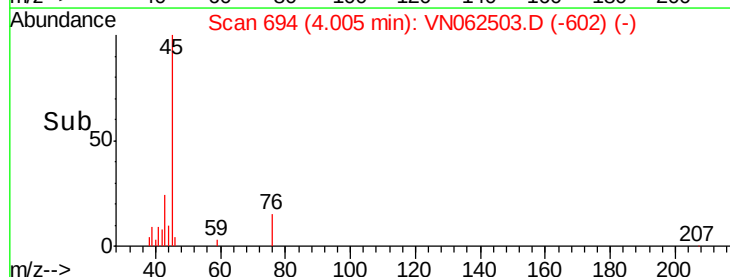
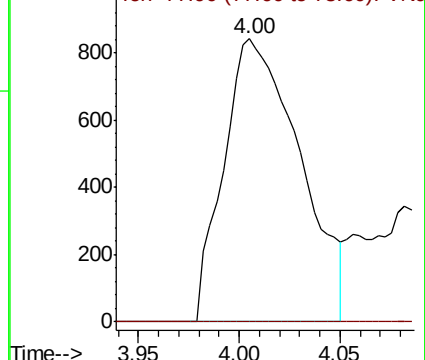
76 100

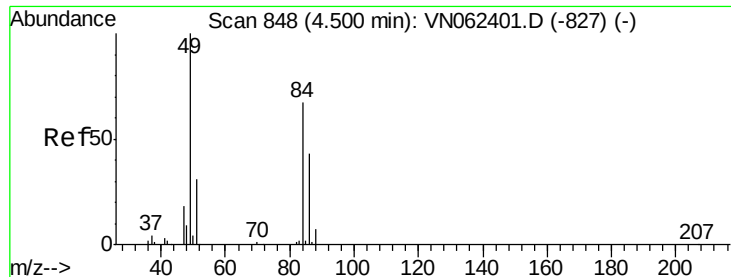
78 0.0 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VN062503.D (-602) (-)

Ion 77.90 (77.60 to 78.60): VN062503.D (-602) (-)

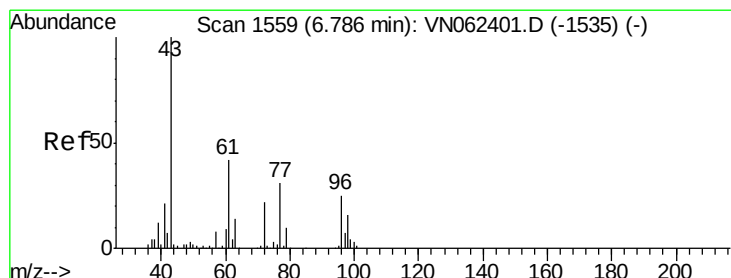
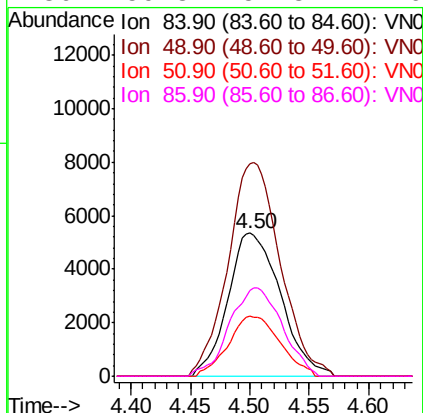
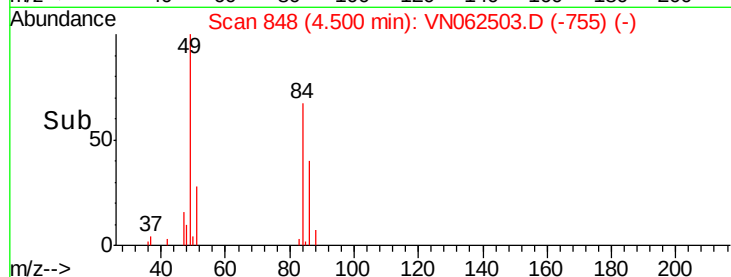
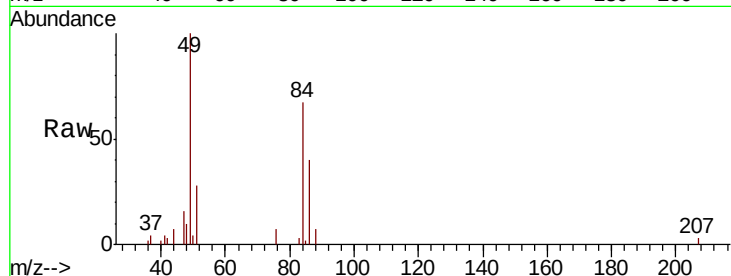




#20
Methvlene Chloride
Concen: 6.490 ug/l
RT: 4.50 min Scan# 848
Delta R.T. 0.00 min
Lab File: VN062503.D
Acq: 10 Jul 2020 19:34

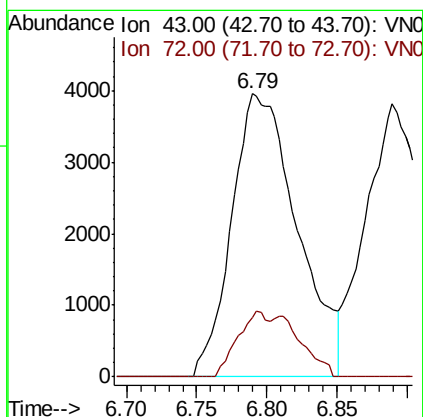
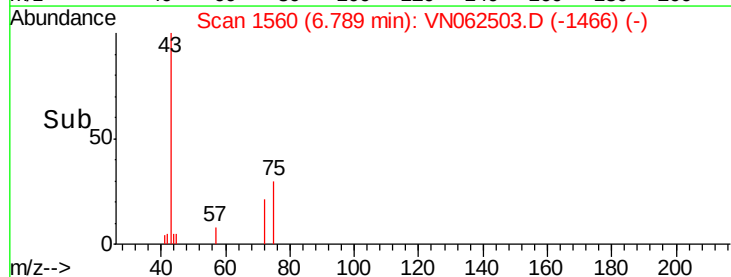
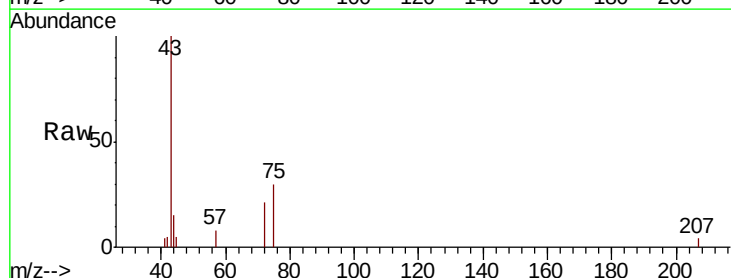
Instrument :
MSVOA_N
ClientSampled :

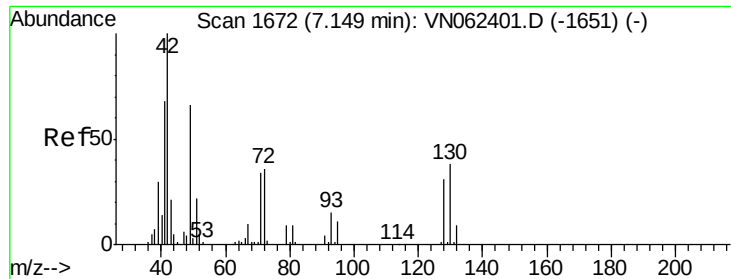
Tot Ion: 84 Resp: 16410
Ion Ratio Lower Upper
84 100
49 148.3 120.0 180.0
51 42.0 37.0 55.6
86 59.8 51.8 77.6



#25
2-Butanone
Concen: 7.445 ug/l
RT: 6.79 min Scan# 1560
Delta R.T. 0.00 min
Lab File: VN062503.D
Acq: 10 Jul 2020 19:34

Tgt Ion: 43 Resp: 12859
Ion Ratio Lower Upper
43 100
72 21.2 17.9 26.9

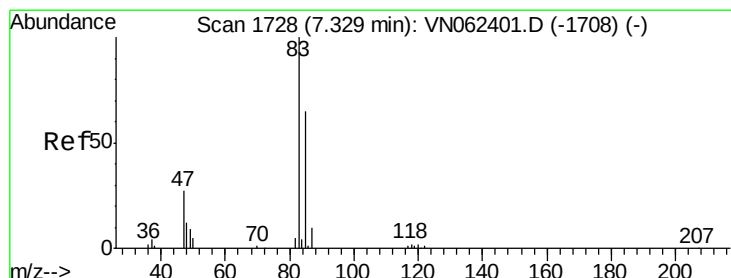
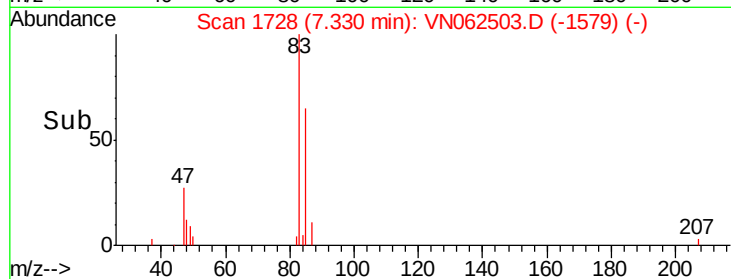
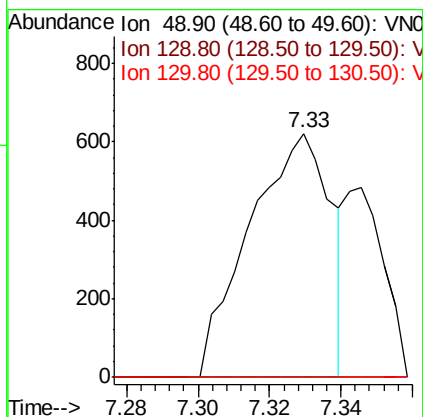
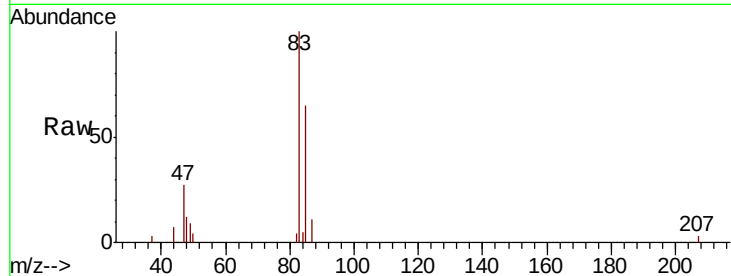




#28
Bromochloromethane
Concen: 0.404 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. 0.18 min
Lab File: VN062503.D
Acq: 10 Jul 2020 19:34

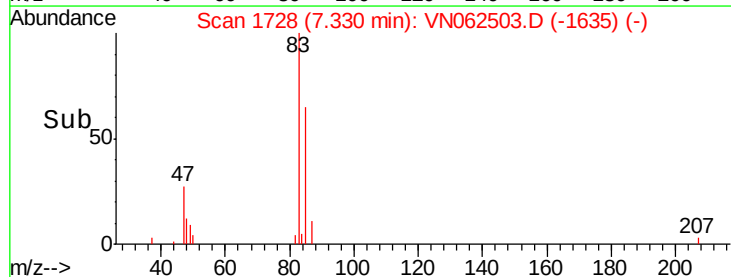
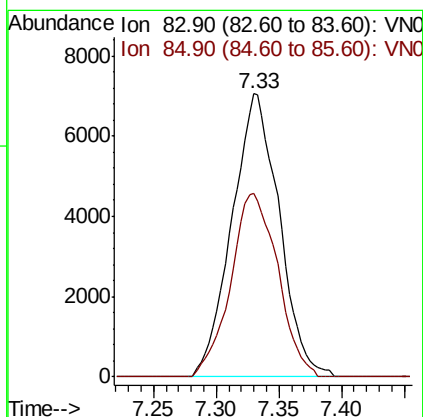
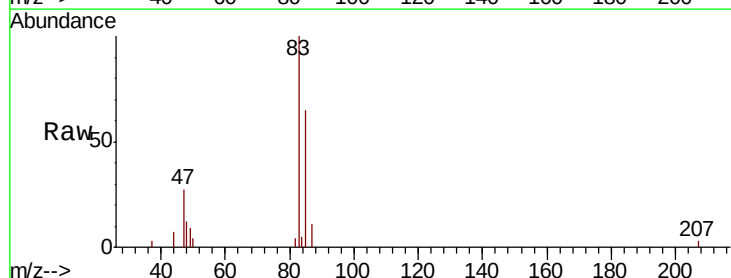
Instrument :
MSVOA_N
ClientSampled :

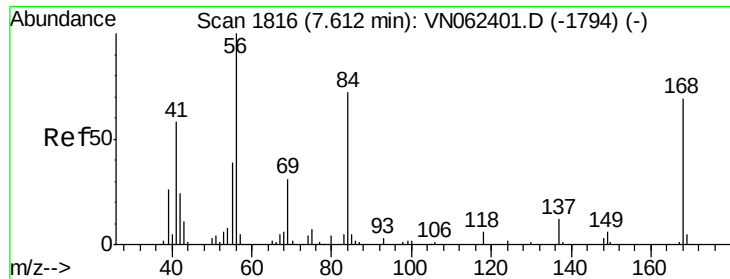
Tot Ion: 49 Resp: 979
Ion Ratio Lower Upper
49 100
129 0.0 0.0 2.8
130 0.0 46.5 69.7#



#30
Chloroform
Concen: 4.588 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. 0.00 min
Lab File: VN062503.D
Acq: 10 Jul 2020 19:34

Tgt Ion: 83 Resp: 18487
Ion Ratio Lower Upper
83 100
85 64.6 51.8 77.6

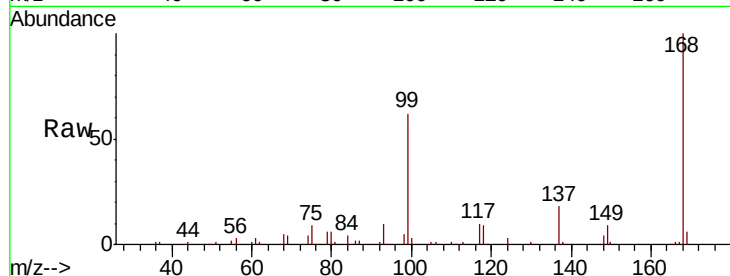




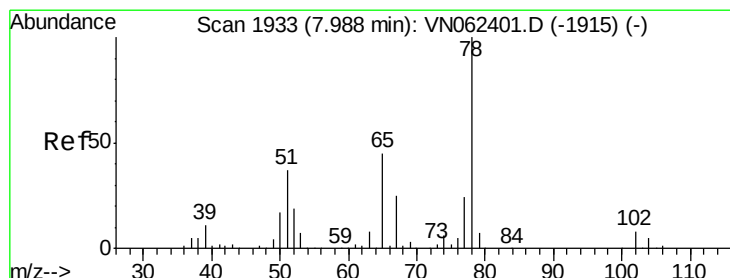
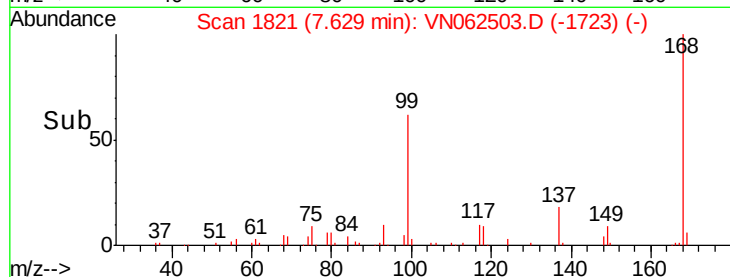
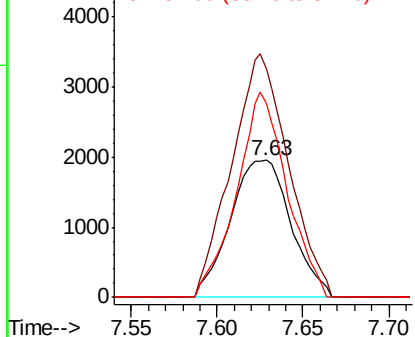
#31
Cyclohexane
Concen: 1.135 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. 0.02 min
Lab File: VN062503.D
Acq: 10 Jul 2020 19:34

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 4802
Ion Ratio Lower Upper
56 100
69 167.3 24.5 36.7#
84 142.0 57.4 86.2#

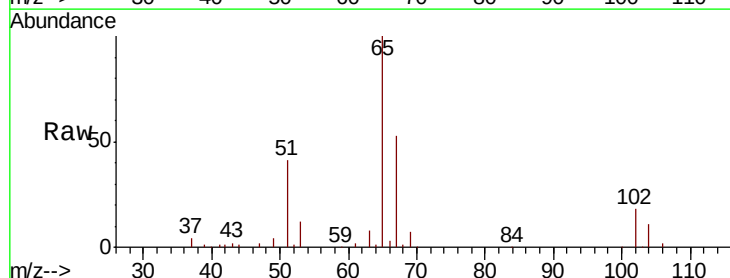


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

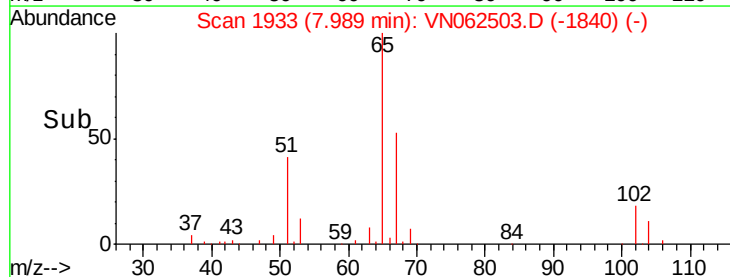
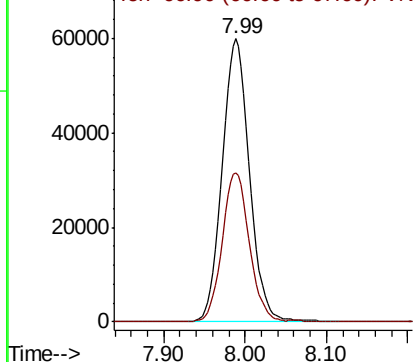


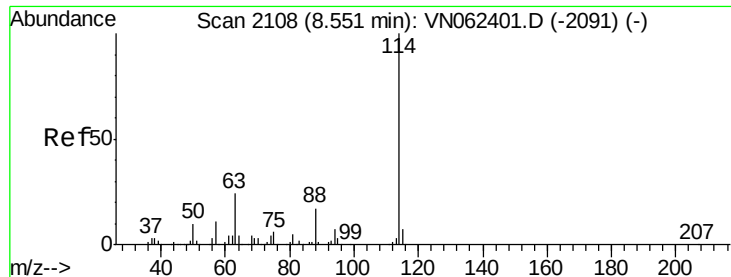
#33
1,2-Dichloroethane-d4
Concen: 50.805 ug/l
RT: 7.99 min Scan# 1933
Delta R.T. 0.00 min
Lab File: VN062503.D
Acq: 10 Jul 2020 19:34

Tgt Ion: 65 Resp: 141520
Ion Ratio Lower Upper
65 100
67 52.4 0.0 107.6



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

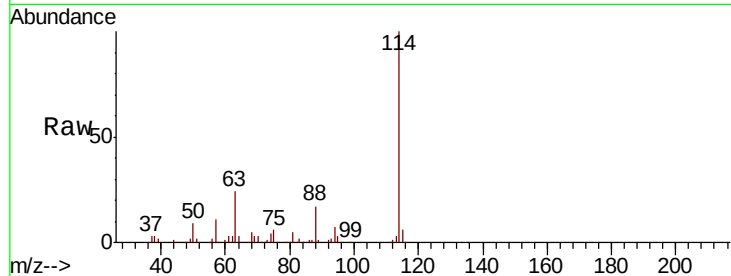




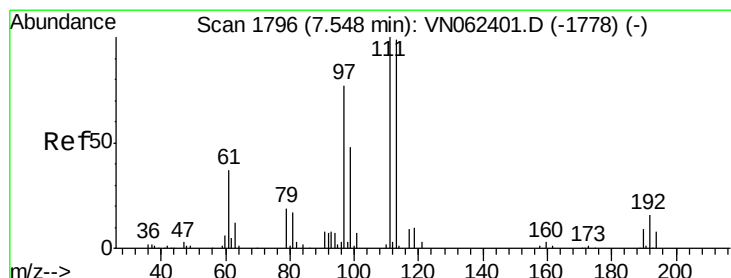
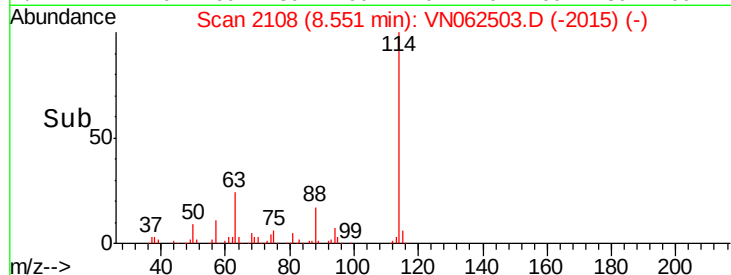
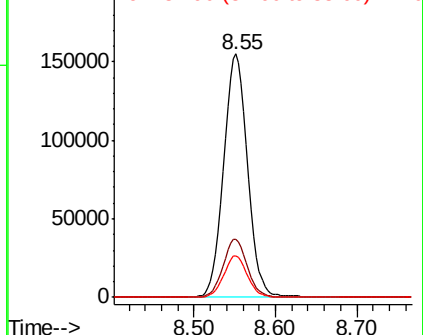
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062503.D
 Acq: 10 Jul 2020 19:34

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	23.8	0.0	48.4
88	17.1	0.0	33.8

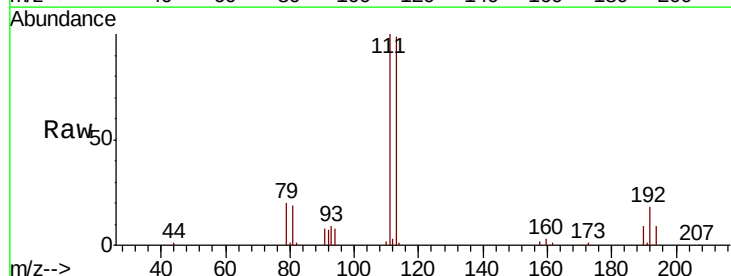


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

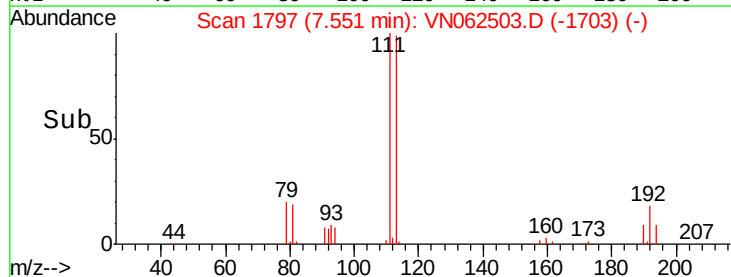
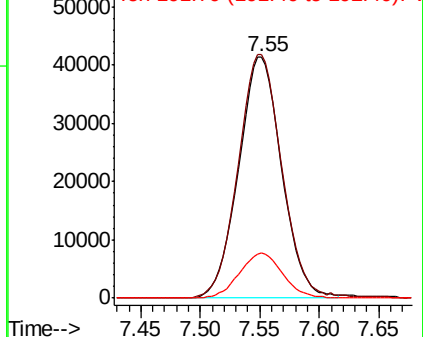


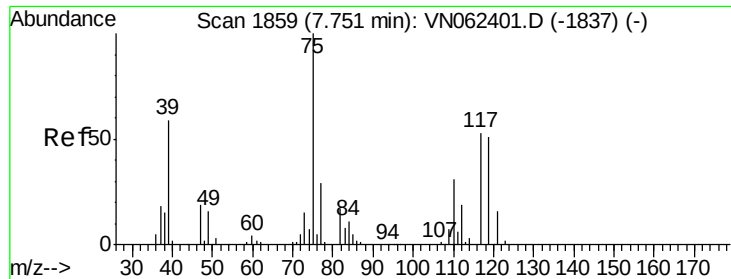
#35
 Dibromofluoromethane
 Concen: 52.027 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN062503.D
 Acq: 10 Jul 2020 19:34

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.4	83.1	124.7
192	18.7	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

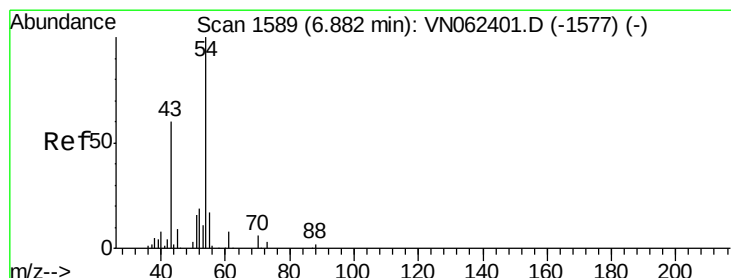
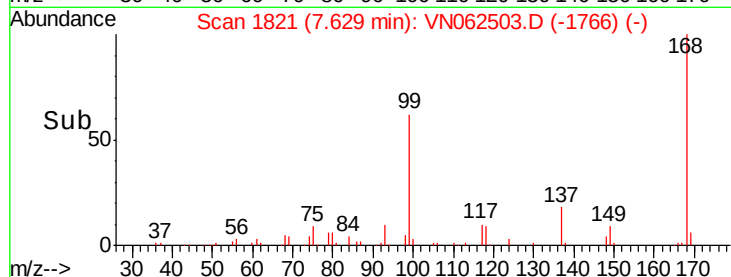
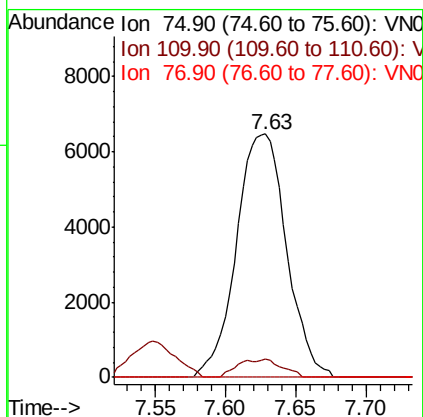
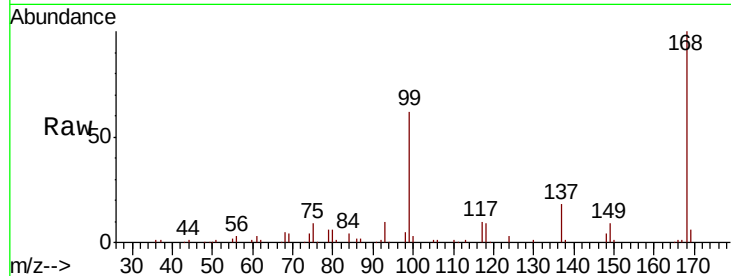




#36
 1,1-Dichloropropene
 Concen: 4.940 ug/l
 RT: 7.63 min Scan# 1821
 Delta R.T. -0.12 min
 Lab File: VN062503.D
 Acq: 10 Jul 2020 19:34

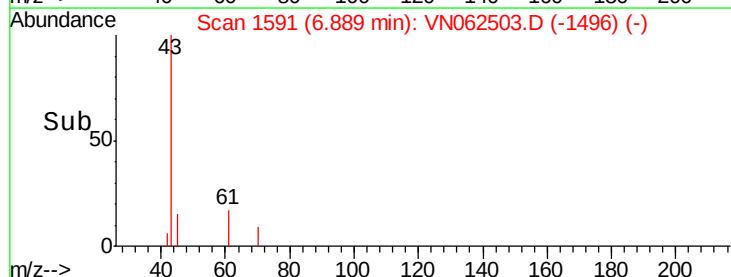
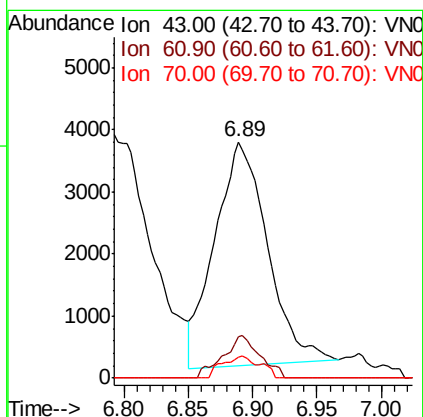
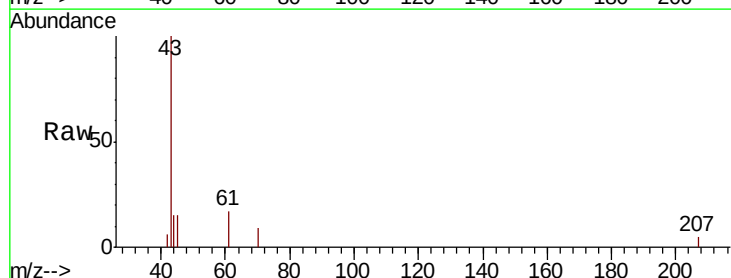
Instrument :
 MSVOA_N
 ClientSampleId :

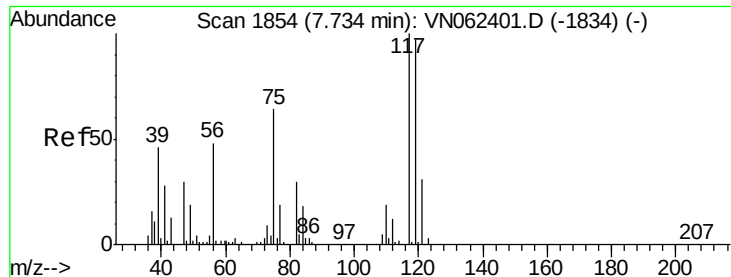
Tot Ion: 75 Resp: 16062
 Ion Ratio Lower Upper
 75 100
 110 3.1 15.4 46.2#
 77 0.0 24.1 36.1#



#37
 Ethyl Acetate
 Concen: 2.698 ug/l
 RT: 6.89 min Scan# 1591
 Delta R.T. 0.01 min
 Lab File: VN062503.D
 Acq: 10 Jul 2020 19:34

Tgt Ion: 43 Resp: 10256
 Ion Ratio Lower Upper
 43 100
 61 13.3 10.7 16.1
 70 7.0 7.2 10.8#





#38

Carbon Tetrachloride

Concen: 6.326 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN062503.D

Acq: 10 Jul 2020 19:34

Instrument :

MSVOA_N

ClientSampleId :

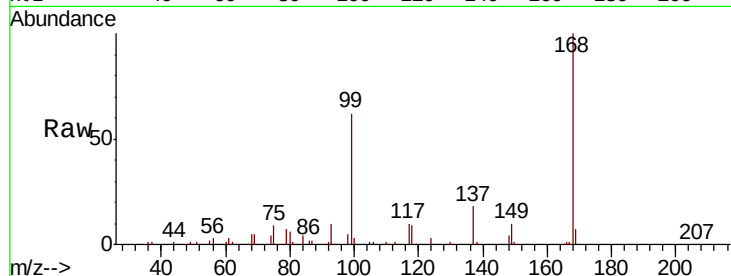
Tot Ion:117 Resp: 18491

Ion Ratio Lower Upper

117 100

119 4.6 77.2 115.8#

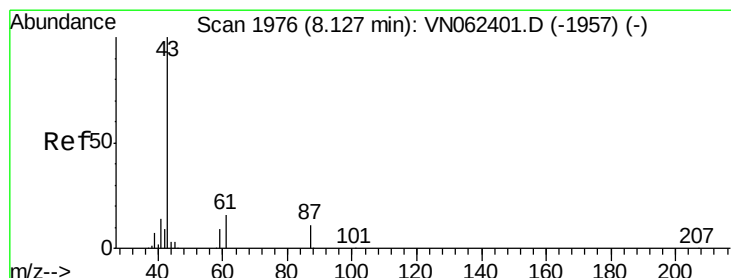
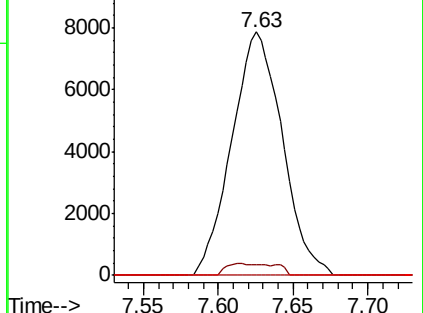
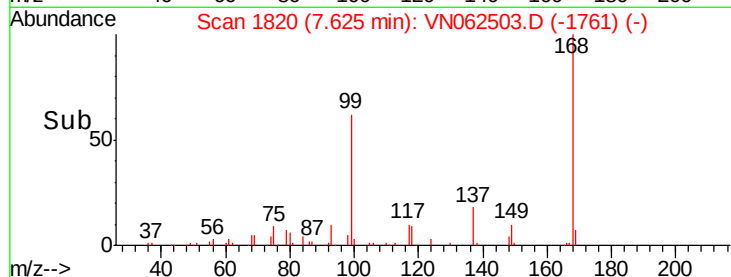
121 0.0 24.8 37.2#



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



#43

Isopropyl Acetate

Concen: 0.498 ug/l

RT: 8.13 min Scan# 1978

Delta R.T. 0.01 min

Lab File: VN062503.D

Acq: 10 Jul 2020 19:34

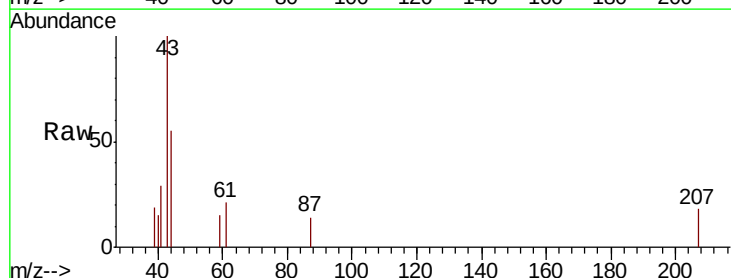
Tgt Ion: 43 Resp: 2992

Ion Ratio Lower Upper

43 100

61 13.1 19.3 28.9#

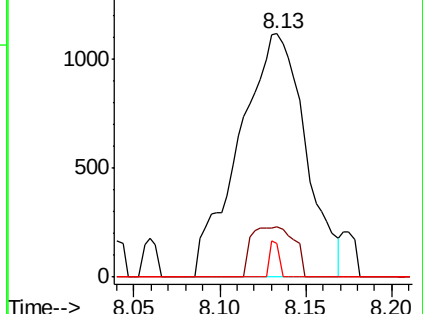
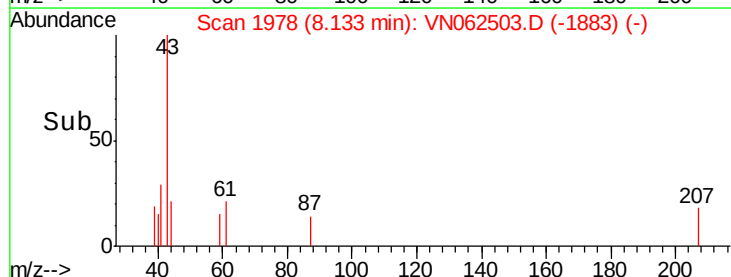
87 2.1 8.6 13.0#

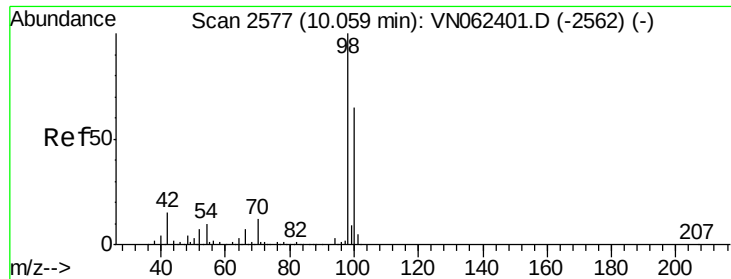


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

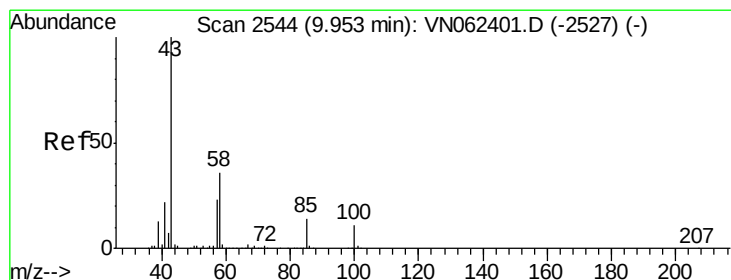
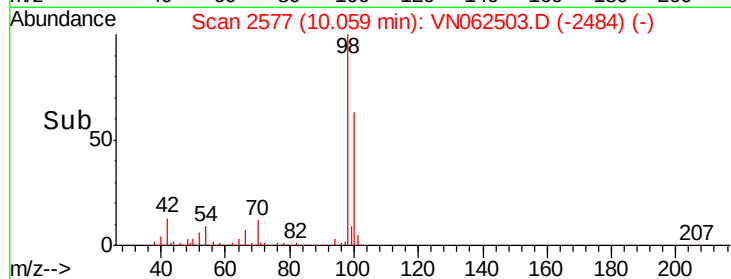
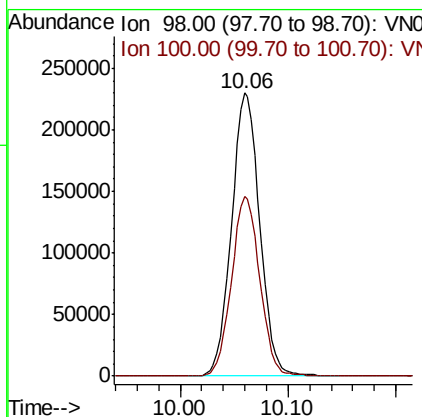
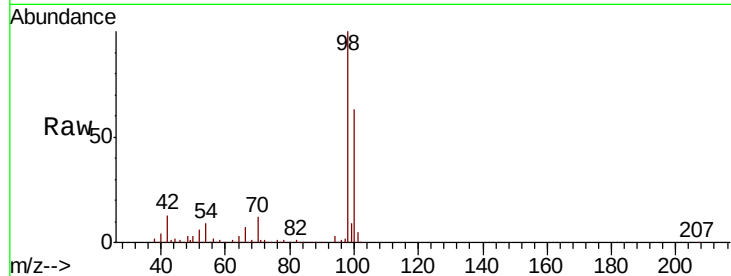




#50
Toluene-d8
Concen: 53.313 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN062503.D
Acq: 10 Jul 2020 19:34

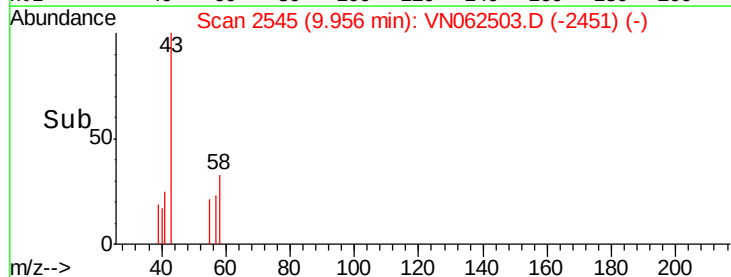
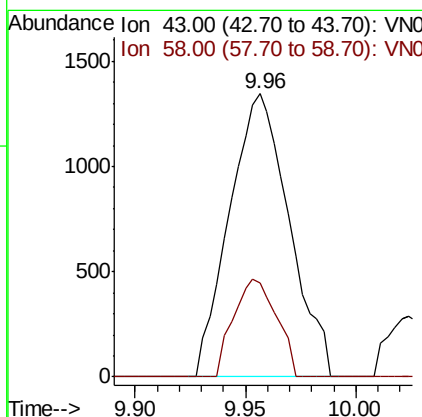
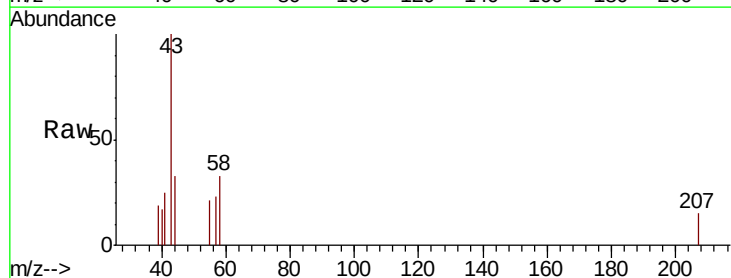
Instrument :
MSVOA_N
ClientSampled :

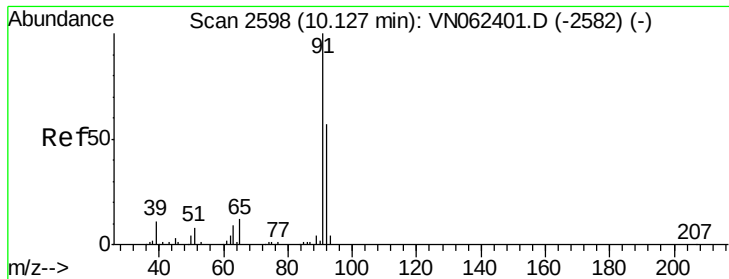
Tot Ion: 98 Resp: 419852
Ion Ratio Lower Upper
98 100
100 63.6 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 0.703 ug/l
RT: 9.96 min Scan# 2545
Delta R.T. 0.00 min
Lab File: VN062503.D
Acq: 10 Jul 2020 19:34

Tgt Ion: 43 Resp: 2521
Ion Ratio Lower Upper
43 100
58 25.0 29.0 43.6#





#52

Toluene

Concen: 0.646 ug/l

RT: 10.13 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VN062503.D

Acq: 10 Jul 2020 19:34

Instrument :

MSVOA_N

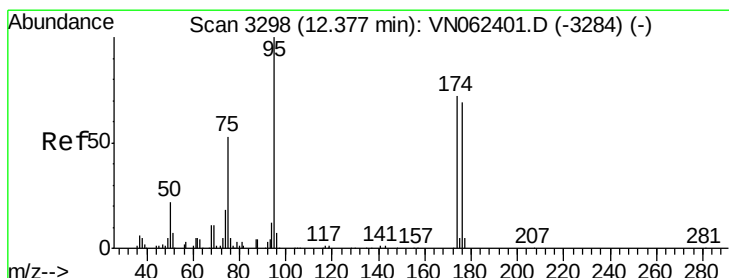
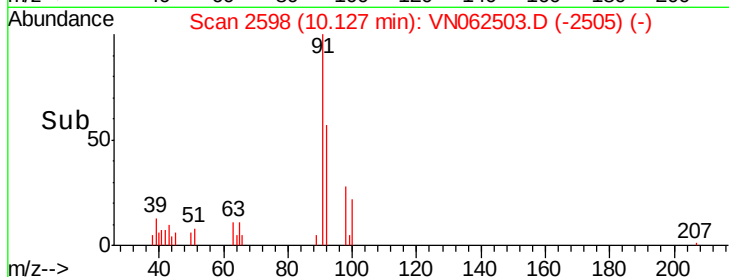
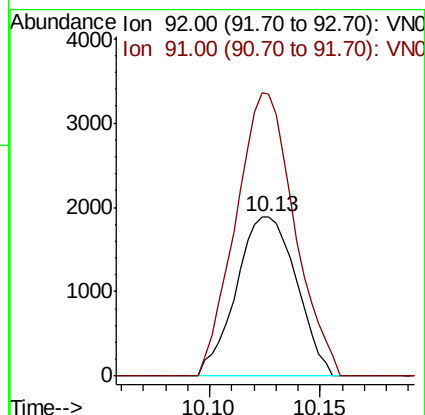
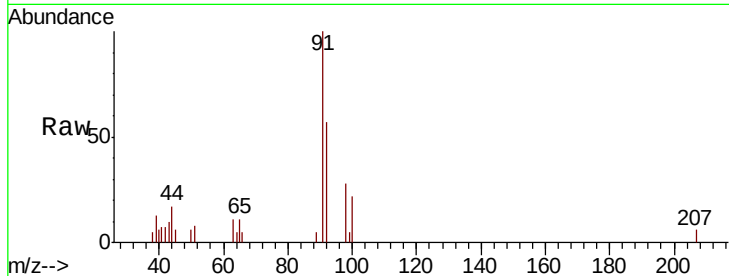
ClientSampled :

Tot Ion: 92 Resp: 3573

Ion Ratio Lower Upper

92 100

91 173.3 141.0 211.6



#62

4-Bromofluorobenzene

Concen: 51.269 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN062503.D

Acq: 10 Jul 2020 19:34

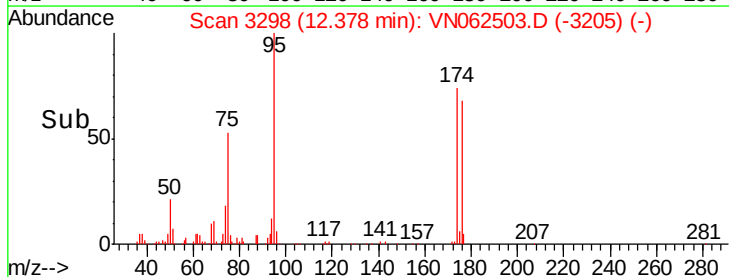
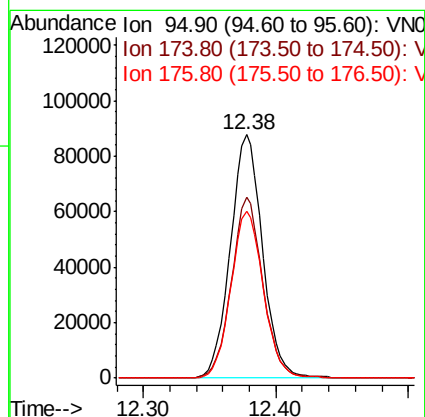
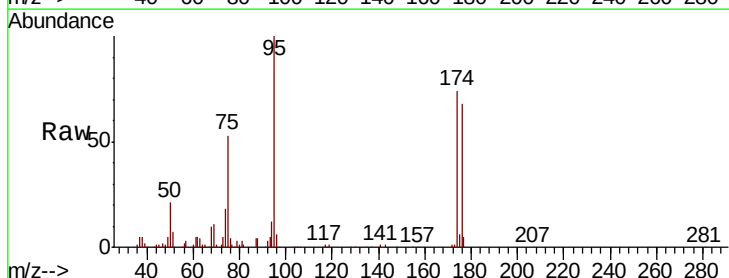
Tgt Ion: 95 Resp: 147546

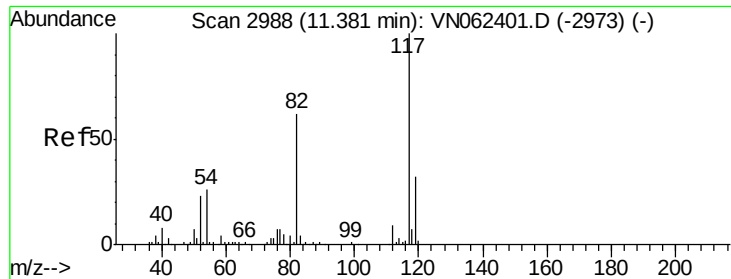
Ion Ratio Lower Upper

95 100

174 72.6 0.0 141.6

176 69.3 0.0 137.2

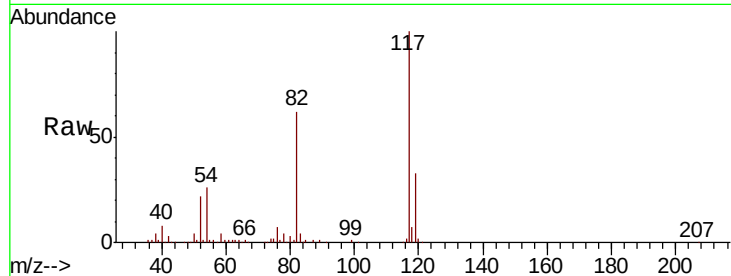




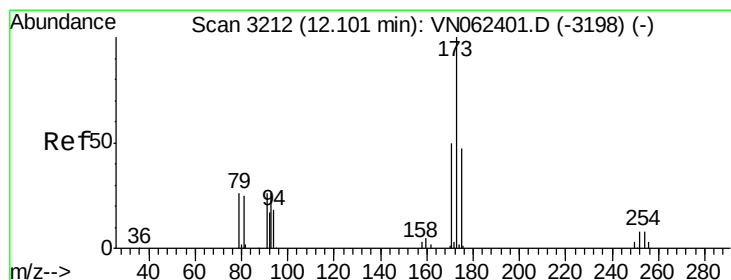
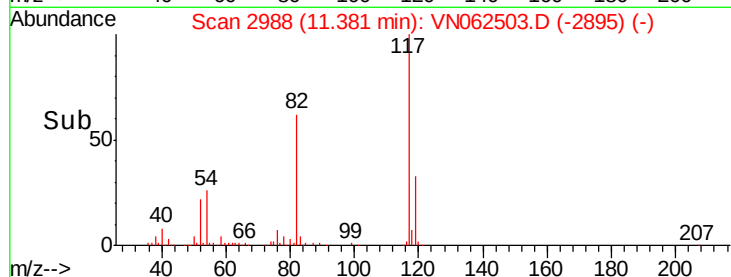
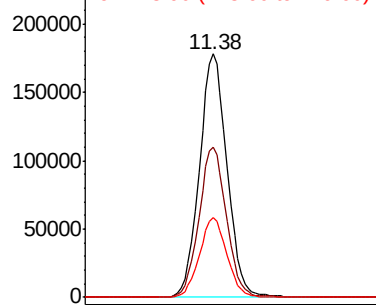
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062503.D
Acq: 10 Jul 2020 19:34

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 308941
Ion Ratio Lower Upper
117 100
82 61.7 49.6 74.4
119 32.6 25.4 38.0

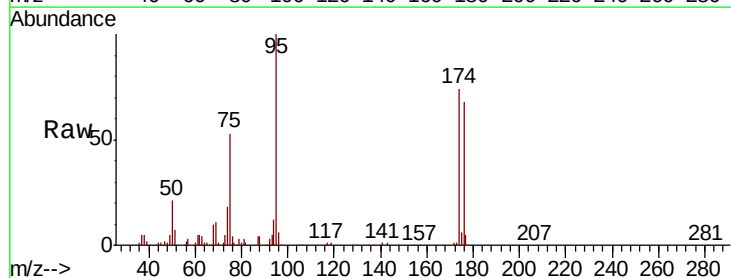


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

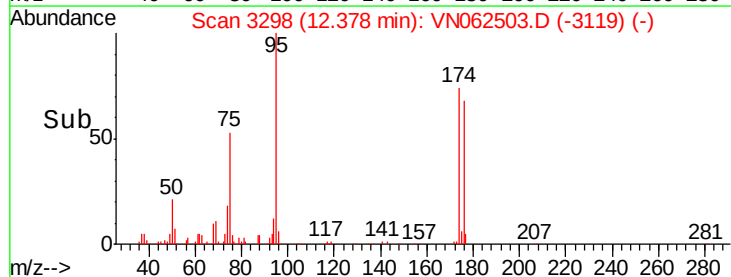
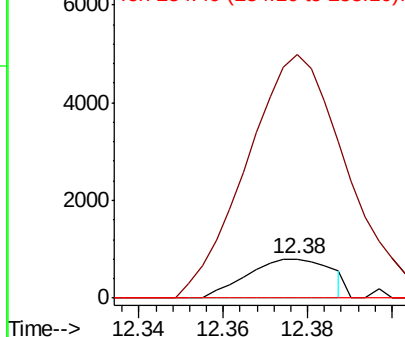


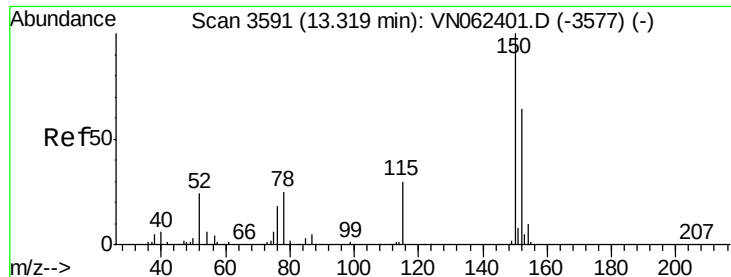
#71
Bromoform
Concen: 0.679 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.28 min
Lab File: VN062503.D
Acq: 10 Jul 2020 19:34

Tgt Ion:173 Resp: 1102
Ion Ratio Lower Upper
173 100
175 625.2 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: VN062503.D

Acq: 10 Jul 2020 19:34

Instrument :

MSVOA_N

ClientSampled :

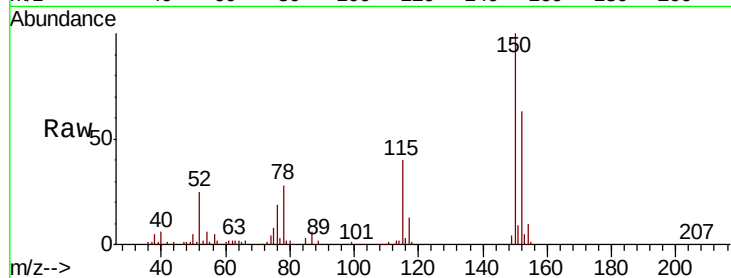
Tot Ion:152 Resp: 115271

Ion Ratio Lower Upper

152 100

115 62.6 31.4 94.2

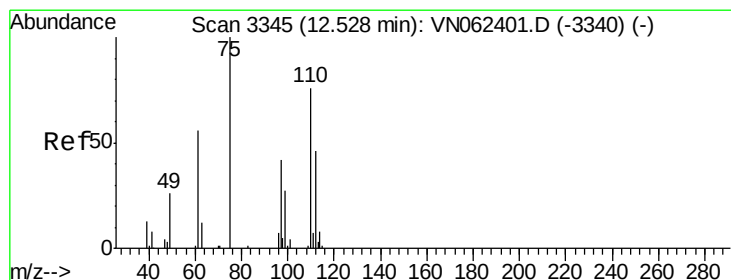
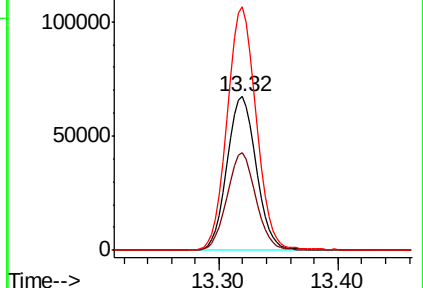
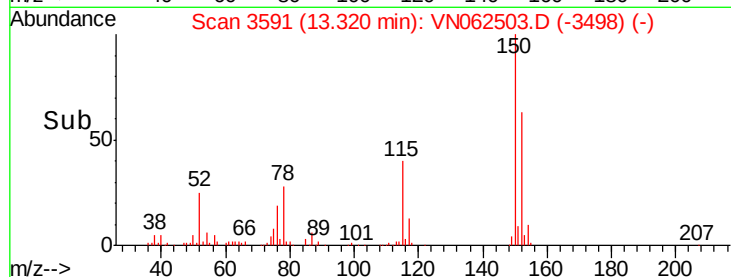
150 157.3 0.0 347.4



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: 27.737 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062503.D

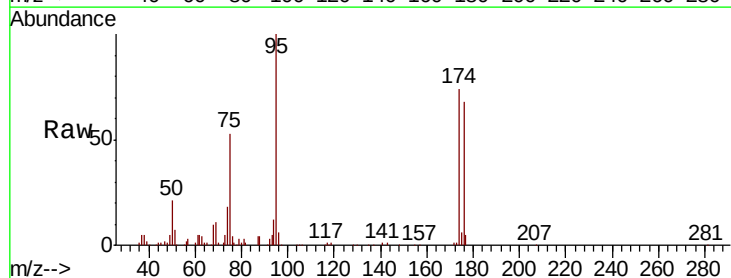
Acq: 10 Jul 2020 19:34

Tgt Ion: 75 Resp: 78449

Ion Ratio Lower Upper

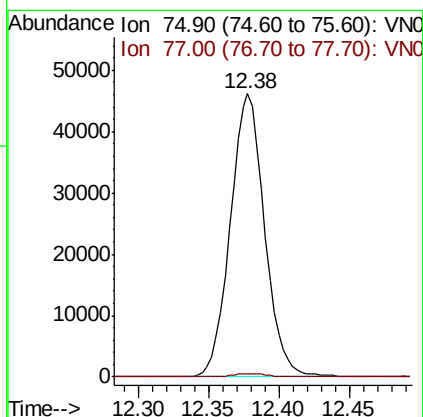
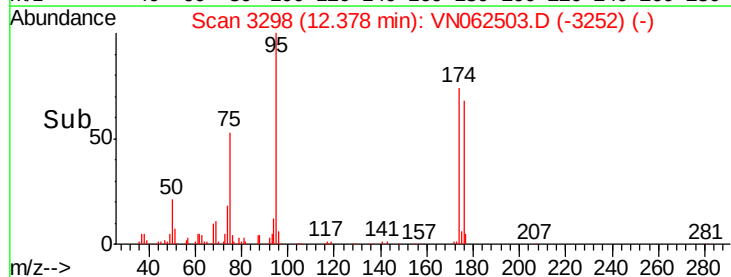
75 100

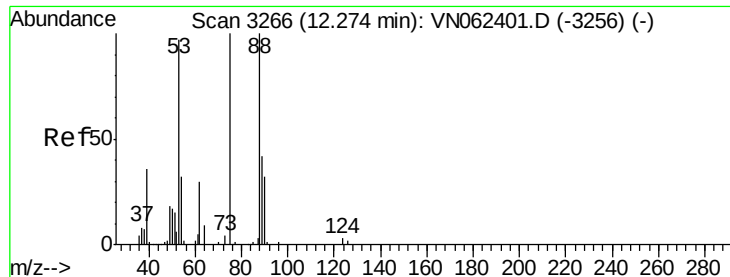
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 74.239 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062503.D

Acq: 10 Jul 2020 19:34

Instrument :

MSVOA_N

ClientSampleId :

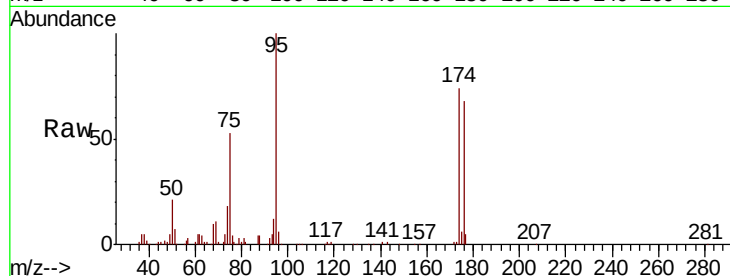
Tot Ion: 75 Resp: 78449

Ion Ratio Lower Upper

75 100

53 0.0 79.2 118.8#

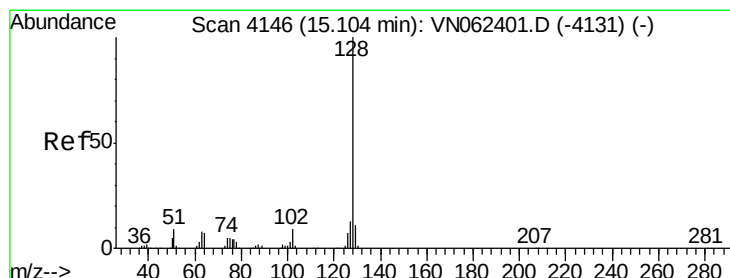
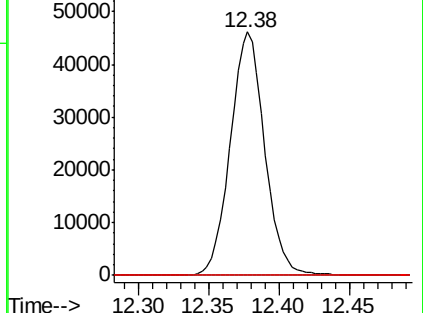
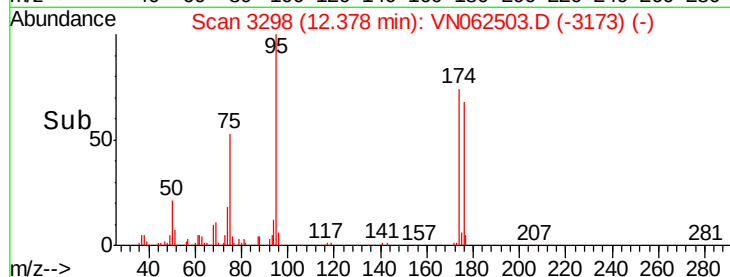
89 0.0 34.6 52.0#



Abundance Ion 74.90 (74.60 to 75.60): VN062503.D (-3173) (-)

Ion 53.00 (52.70 to 53.70): VN062503.D (-3173) (-)

Ion 88.90 (88.60 to 89.60): VN062503.D (-3173) (-)



#95

Naphthalene

Concen: Below Cal

RT: 15.12 min Scan# 4150

Delta R.T. 0.01 min

Lab File: VN062503.D

Acq: 10 Jul 2020 19:34

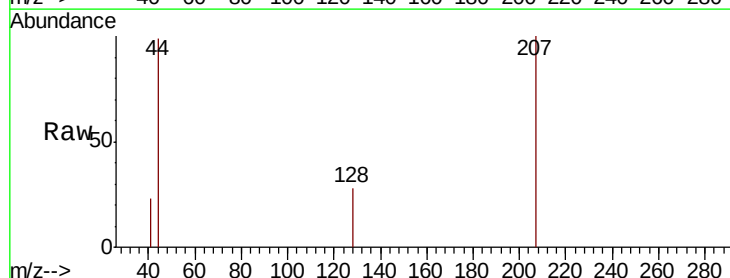
Tgt Ion: 128 Resp: 109

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): VN062503.D (-4052) (-)

Ion 127.00 (126.70 to 127.70): VN062503.D (-4052) (-)

Ion 129.00 (128.70 to 129.70): VN062503.D (-4052) (-)

