

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072920\
 Data File : VN062652.D
 Acq On : 29 Jul 2020 14:15
 Operator : JC/MD
 Sample : L3183-22
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 30 03:02:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 18:48:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	142493	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	254197	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	261373	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	93356	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	121943	55.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.18%	
35) Dibromofluoromethane	7.55	113	85513	51.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.42%	
50) Toluene-d8	10.06	98	344594	51.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.46%	
62) 4-Bromofluorobenzene	12.38	95	122673	50.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.72%	

Target Compounds

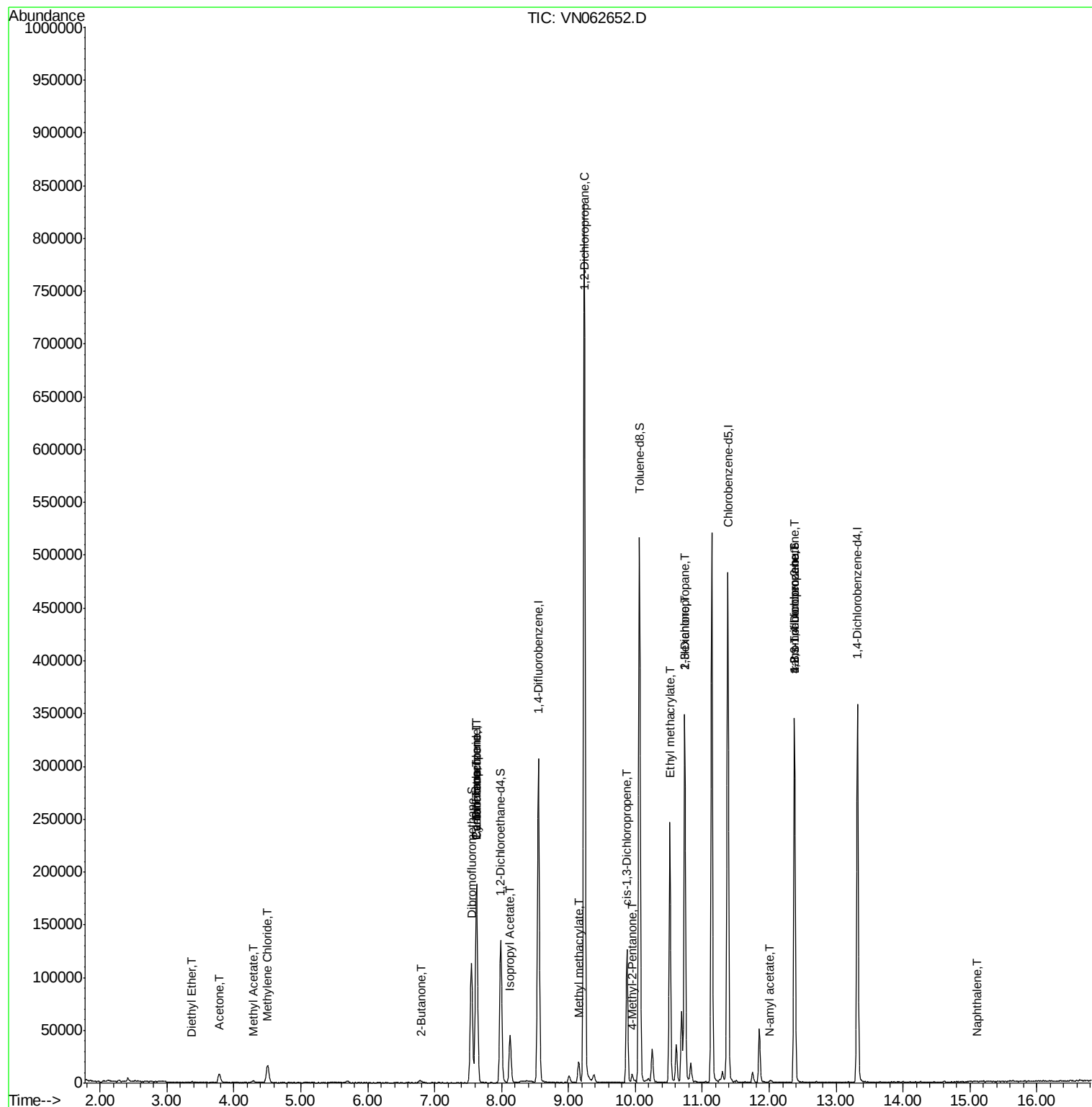
					Qvalue	
8) Diethyl Ether	3.38	74	223	0.203	ug/l	76
16) Acetone	3.79	43	14295	17.161	ug/l	94
18) Methyl Acetate	4.29	43	3867	1.834	ug/l #	77
20) Methylene Chloride	4.50	84	11898	5.955	ug/l	89
25) 2-Butanone	6.81	43	1511	1.191	ug/l #	52
31) Cyclohexane	7.63	56	3619	1.110	ug/l #	1
36) 1,1-Dichloropropene	7.62	75	12558	4.635	ug/l #	51
38) Carbon Tetrachloride	7.63	117	15397	5.912	ug/l #	16
43) Isopropyl Acetate	8.13	43	51575	10.954	ug/l #	92
45) 1,2-Dichloropropane	9.23	63	916	0.398	ug/l #	44
48) Methyl methacrylate	9.15	41	3179	1.420	ug/l #	15
51) 4-Methyl-2-Pentanone	9.95	43	4568	1.621	ug/l	98
54) cis-1,3-Dichloropropene	9.87	75	20904	6.068	ug/l #	66
56) Ethyl methacrylate	10.51	69	1033	2.069	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	3461	1.023	ug/l #	42
59) 2-Hexanone	10.74	43	52953	26.976	ug/l #	53
74) N-amyl acetate	12.01	43	1865	0.566	ug/l #	45
76) 1,2,3-Trichloropropane	12.38	75	66877	28.144	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	66877	78.346	ug/l #	12
95) Naphthalene	15.10	128	32	3.768	ug/l #	69

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N072120W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 21 18:48:59 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VN062652.D

Acq: 29 Jul 2020 14:15

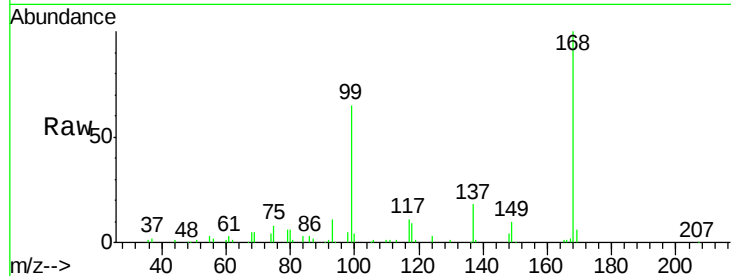
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 142493

Ion Ratio Lower Upper

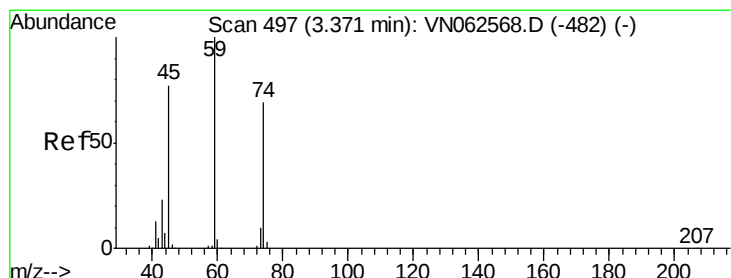
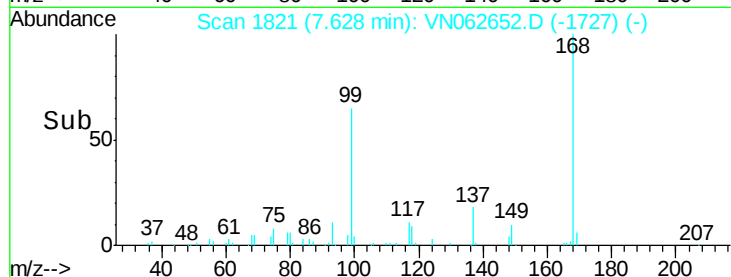
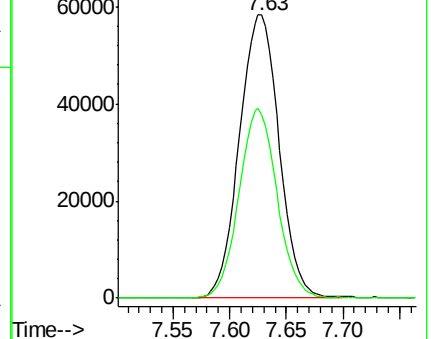
168 100

99 64.8 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#8

Diethyl Ether

Concen: 0.203 ug/l

RT: 3.38 min Scan# 499

Delta R.T. 0.01 min

Lab File: VN062652.D

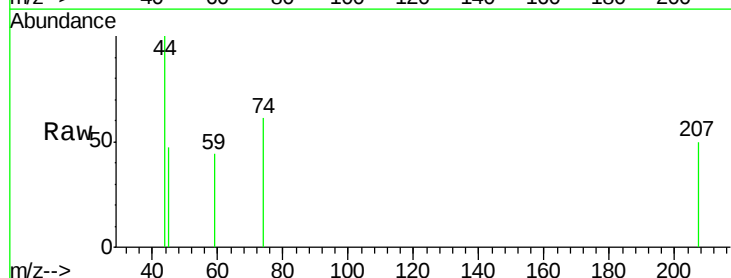
Acq: 29 Jul 2020 14:15

Tgt Ion: 74 Resp: 223

Ion Ratio Lower Upper

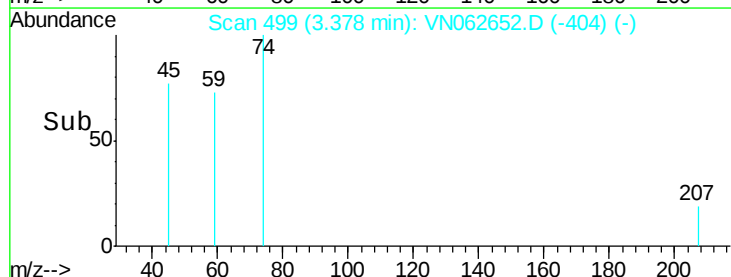
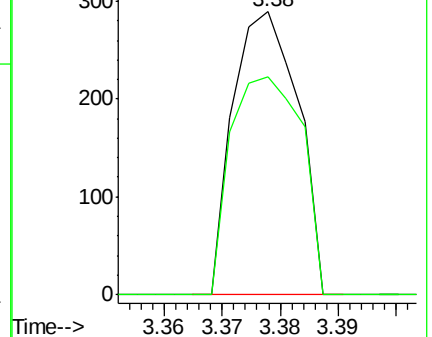
74 100

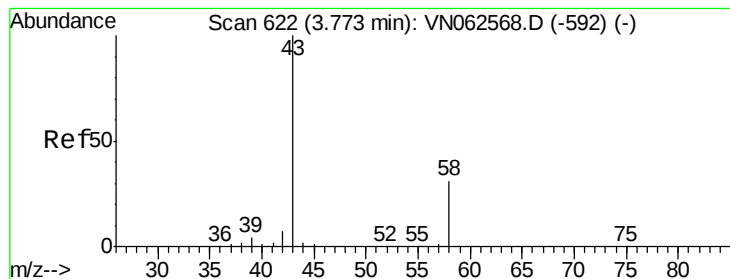
45 84.8 55.3 165.8



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO





#16

Acetone

Concen: 17.161 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN062652.D

Acq: 29 Jul 2020 14:15

Instrument :

MSVOA_N

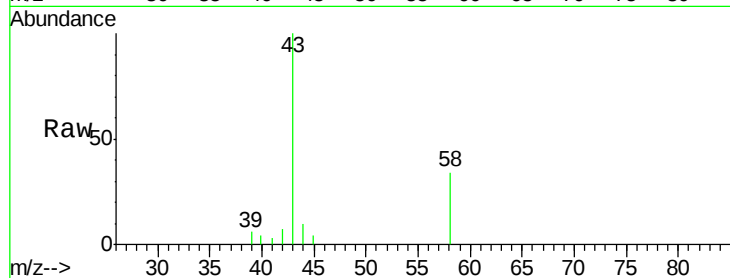
ClientSampled :

Tot Ion: 43 Resp: 14295

Ion Ratio Lower Upper

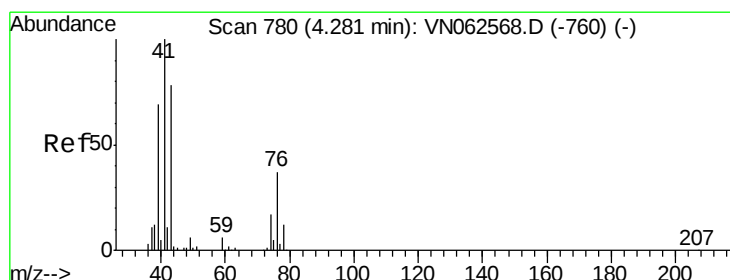
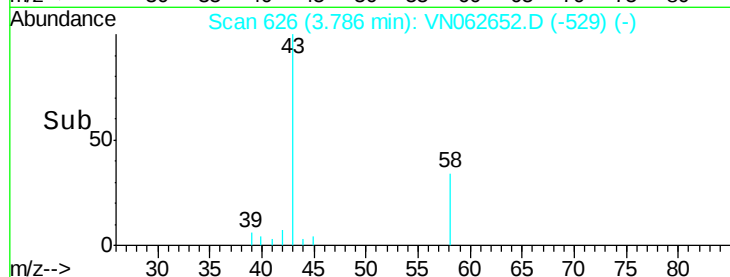
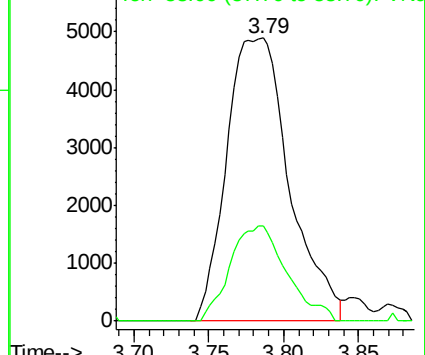
43 100

58 33.9 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 1.834 ug/l

RT: 4.29 min Scan# 783

Delta R.T. 0.01 min

Lab File: VN062652.D

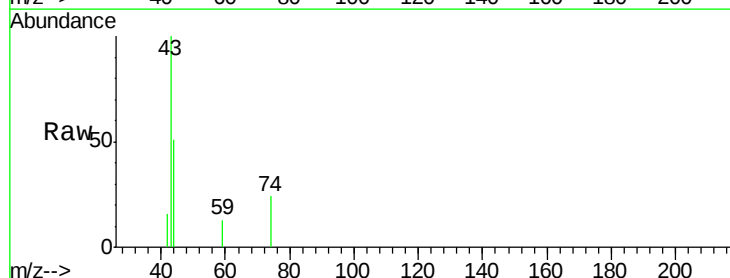
Acq: 29 Jul 2020 14:15

Tgt Ion: 43 Resp: 3867

Ion Ratio Lower Upper

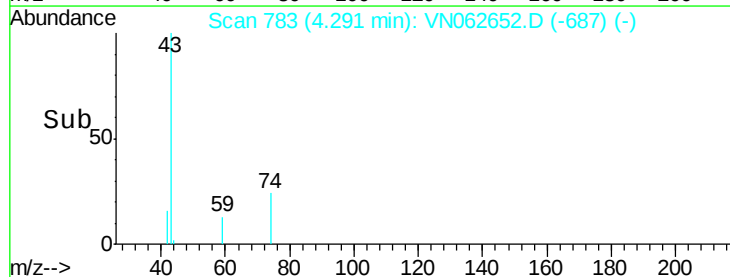
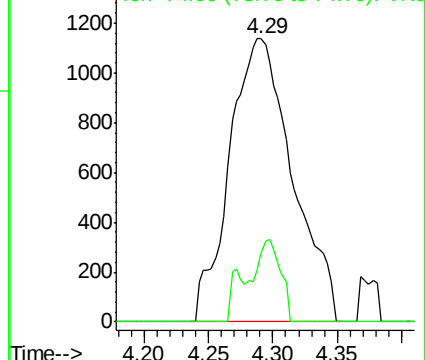
43 100

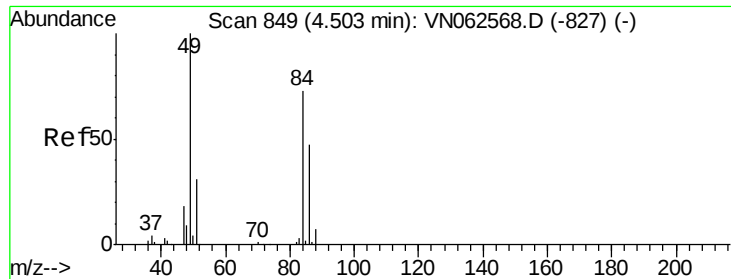
74 10.1 16.6 24.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

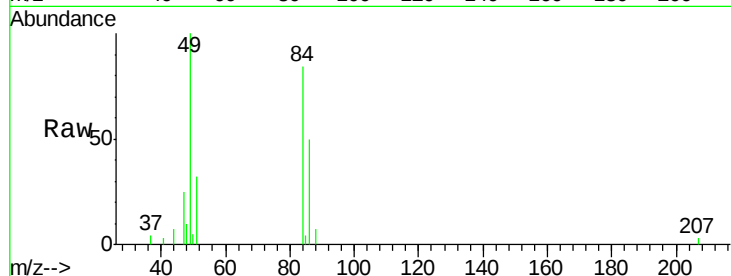




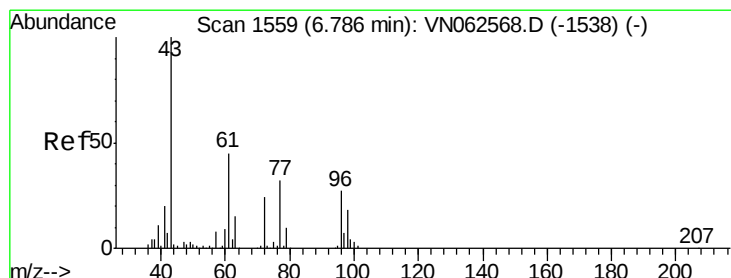
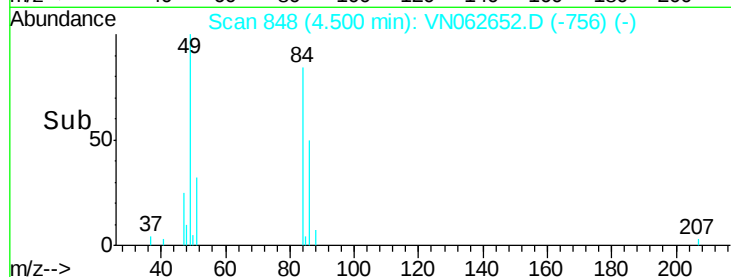
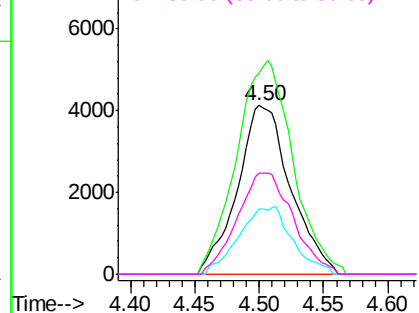
#20
Methvlene Chloride
Concen: 5.955 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN062652.D
Acq: 29 Jul 2020 14:15

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 84 Resp: 11898
Ion Ratio Lower Upper
84 100
49 118.7 109.4 164.0
51 38.4 33.6 50.4
86 59.8 51.4 77.2

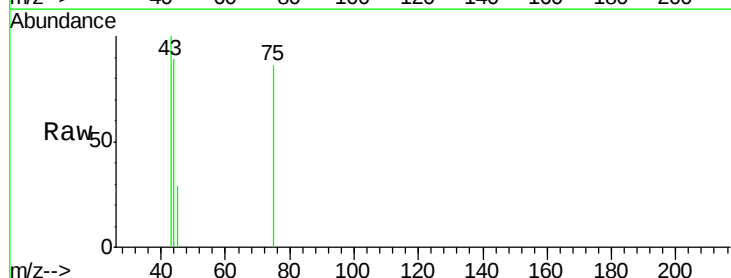


Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

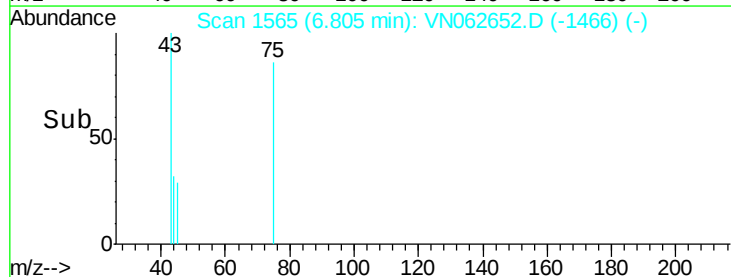
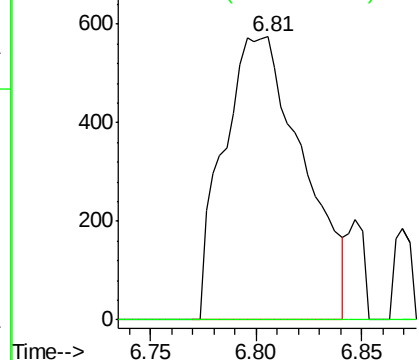


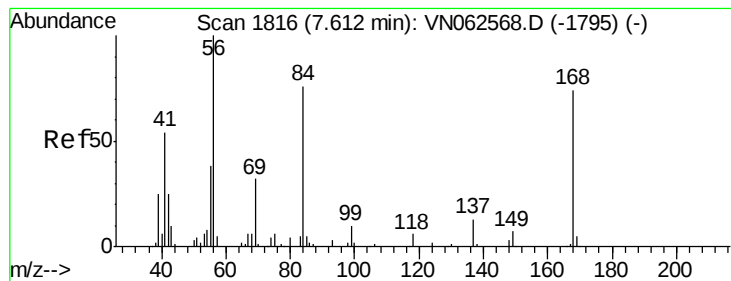
#25
2-Butanone
Concen: 1.191 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. 0.02 min
Lab File: VN062652.D
Acq: 29 Jul 2020 14:15

Tgt Ion: 43 Resp: 1511
Ion Ratio Lower Upper
43 100
72 0.0 19.0 28.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 72.00 (71.70 to 72.70): VN0





#31

Cyclohexane

Concen: 1.110 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.02 min

Lab File: VN062652.D

Acq: 29 Jul 2020 14:15

Instrument :
MSVOA_N
ClientSampled :

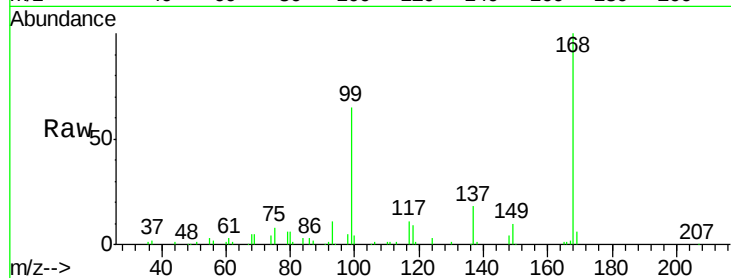
Tot Ion: 56 Resp: 3619

Ion Ratio Lower Upper

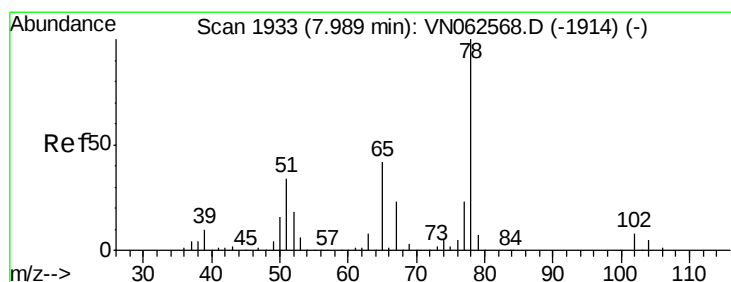
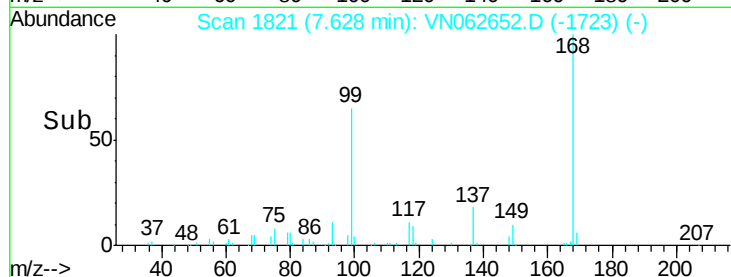
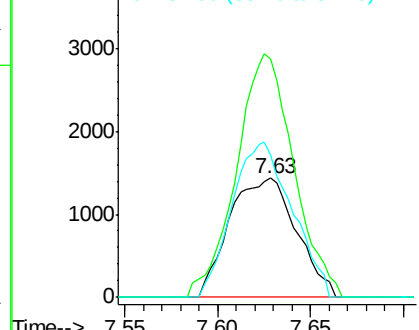
56 100

69 200.1 25.3 37.9#

84 119.1 61.0 91.4#



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: 55.089 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. -0.00 min

Lab File: VN062652.D

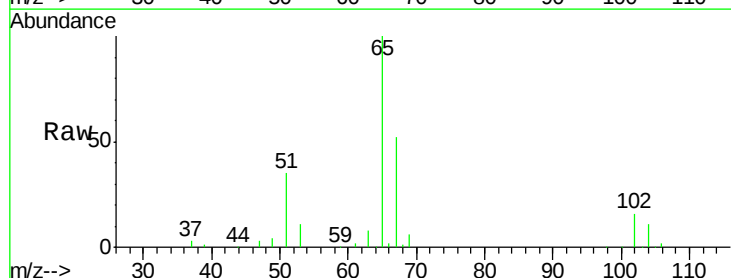
Acq: 29 Jul 2020 14:15

Tgt Ion: 65 Resp: 121943

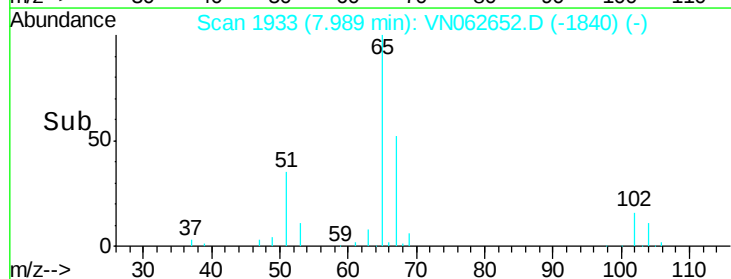
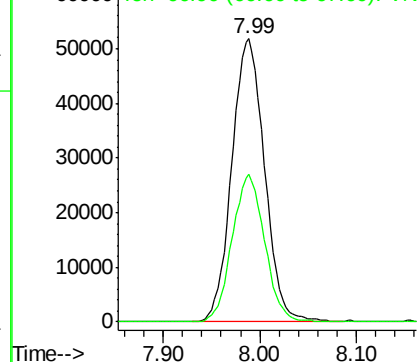
Ion Ratio Lower Upper

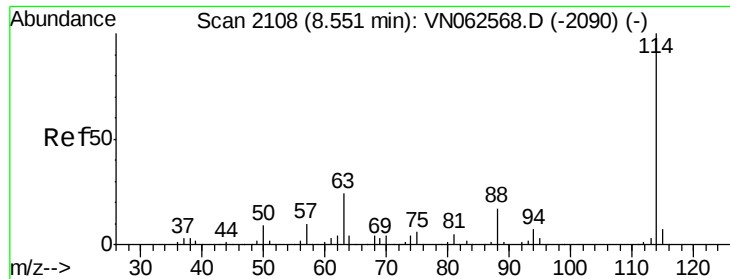
65 100

67 51.6 0.0 106.0



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

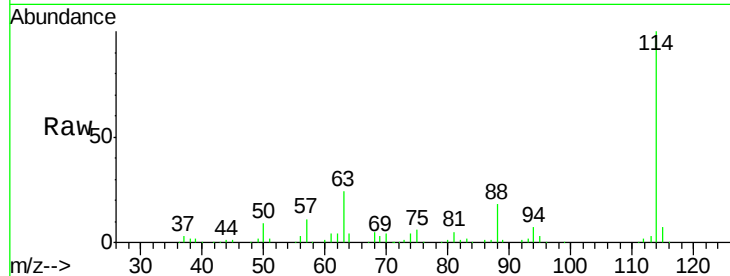




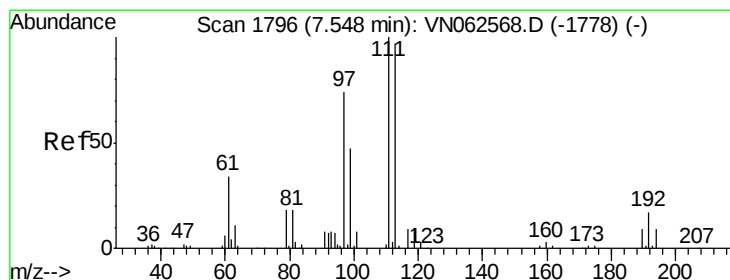
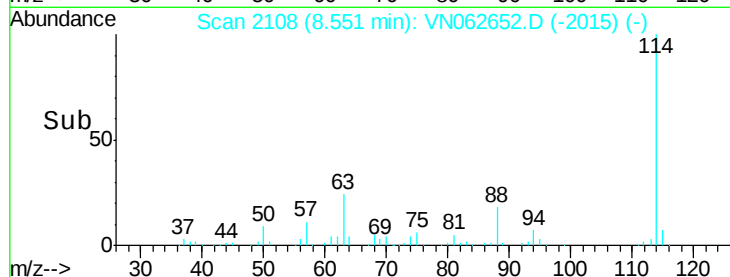
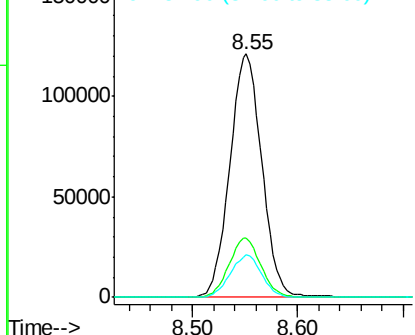
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062652.D
 Acq: 29 Jul 2020 14:15

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 254197
 Ion Ratio Lower Upper
 114 100
 63 24.4 0.0 48.4
 88 17.6 0.0 33.8

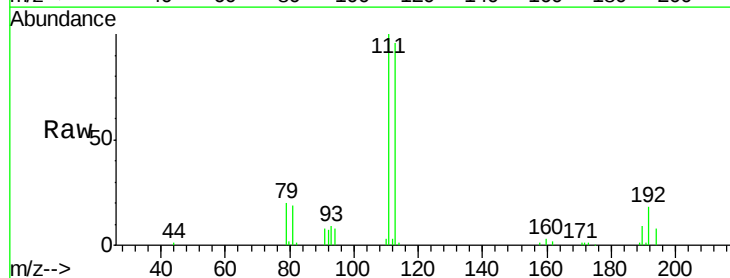


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

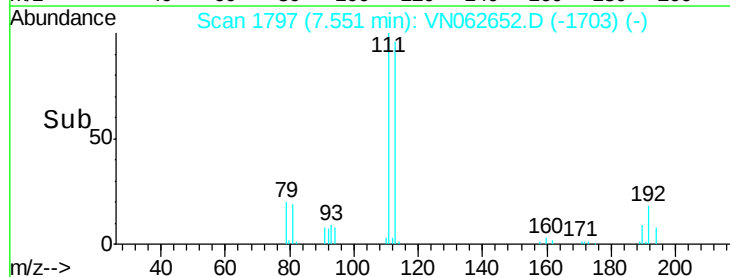
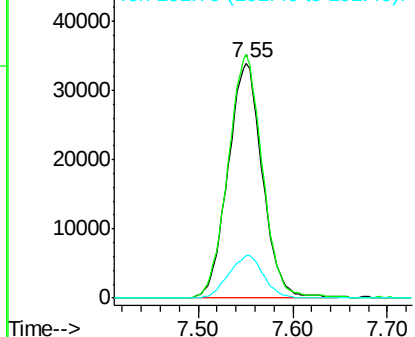


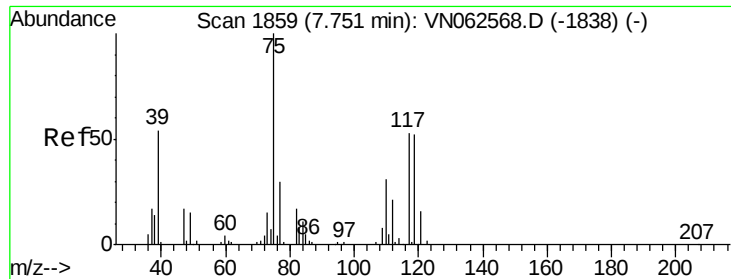
#35
 Dibromofluoromethane
 Concen: 51.214 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN062652.D
 Acq: 29 Jul 2020 14:15

Tgt Ion:113 Resp: 85513
 Ion Ratio Lower Upper
 113 100
 111 103.0 82.7 124.1
 192 18.3 14.8 22.2



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

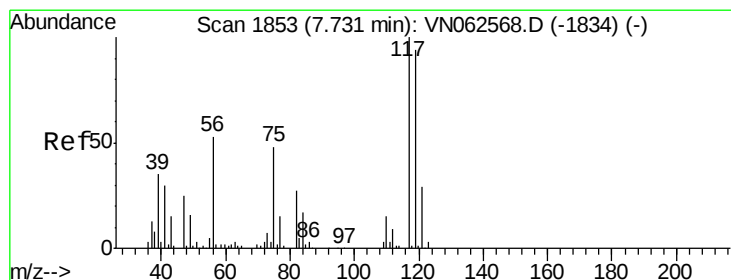
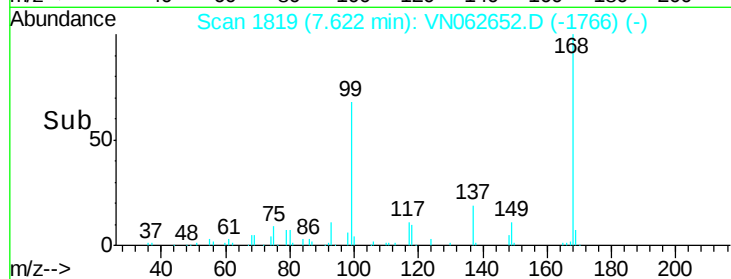
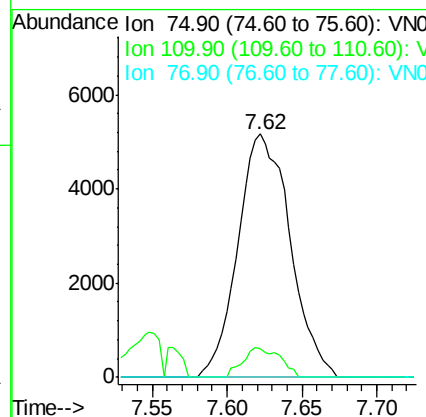
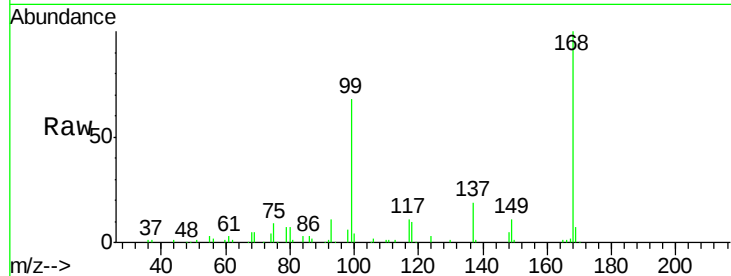




#36
 1,1-Dichloropropene
 Concen: 4.635 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.13 min
 Lab File: VN062652.D
 Acq: 29 Jul 2020 14:15

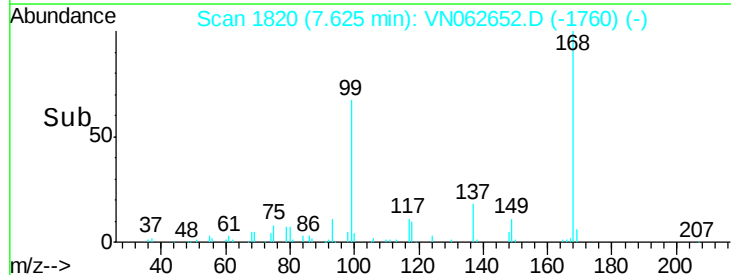
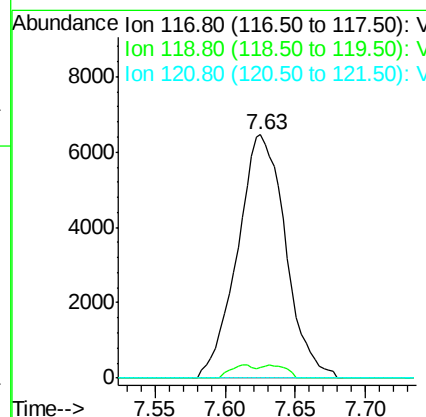
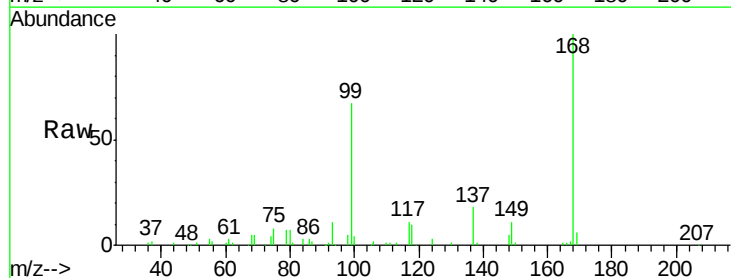
Instrument :
 MSVOA_N
 ClientSampled :

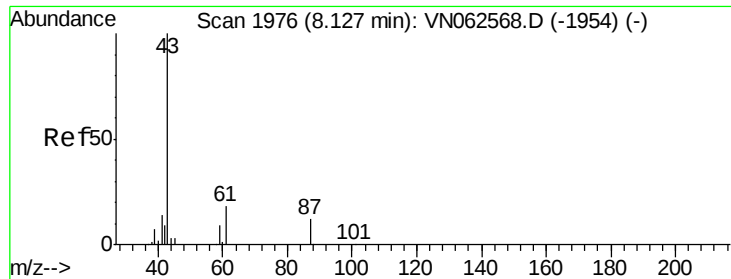
Tot Ion	75	Resp	12558
Ion Ratio	Lower	Upper	
75	100		
110	8.6	16.0	48.0#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 5.912 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.11 min
 Lab File: VN062652.D
 Acq: 29 Jul 2020 14:15

Tgt Ion	117	Resp	15397
Ion Ratio	Lower	Upper	
117	100		
119	4.3	74.8	112.2#
121	0.0	23.0	34.6#





#43

Isopropyl Acetate

Concen: 10.954 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN062652.D

Acq: 29 Jul 2020 14:15

Instrument :

MSVOA_N

ClientSampleId :

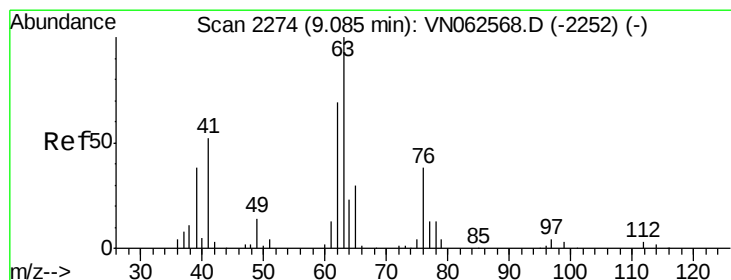
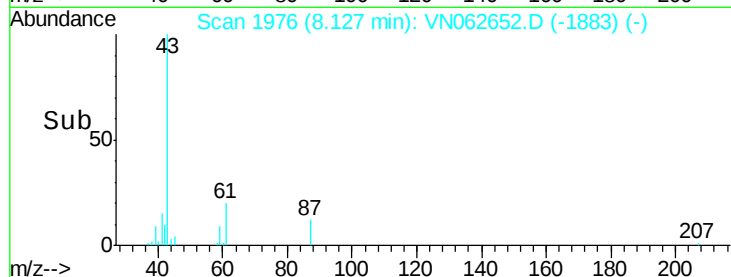
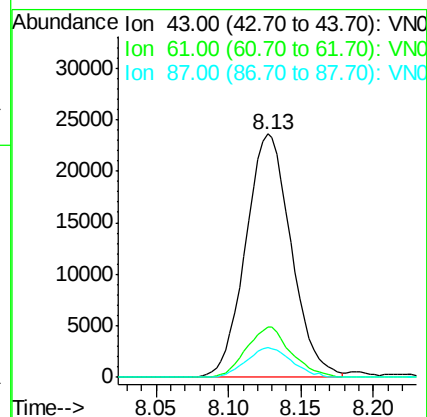
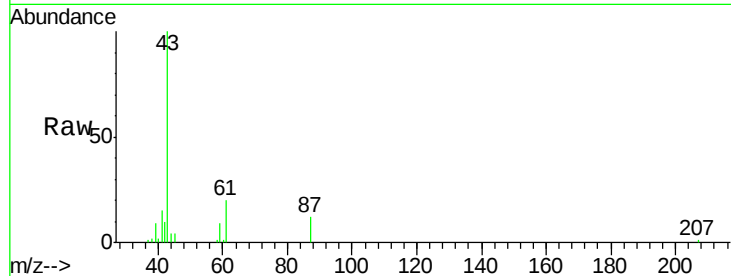
Tot Ion: 43 Resp: 51575

Ion Ratio Lower Upper

43 100

61 20.2 20.8 31.2#

87 12.1 9.2 13.8



#45

1,2-Dichloropropane

Concen: 0.398 ug/l

RT: 9.23 min Scan# 2320

Delta R.T. 0.15 min

Lab File: VN062652.D

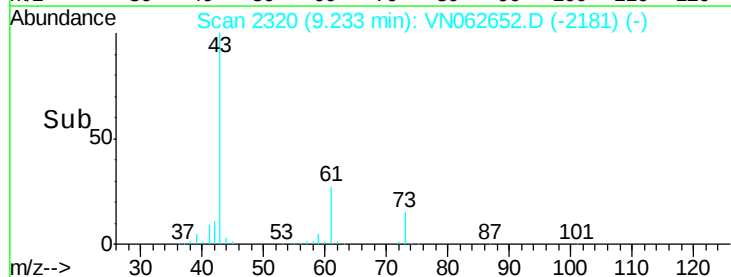
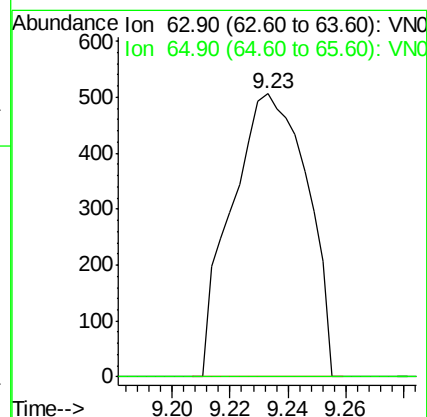
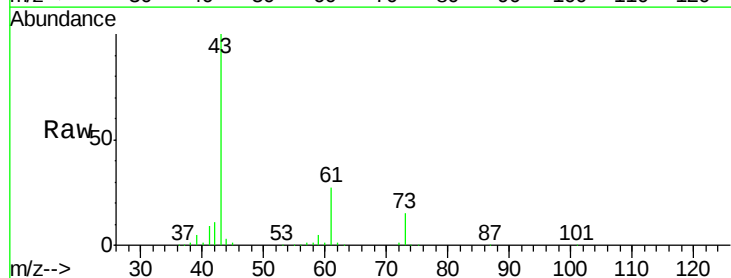
Acq: 29 Jul 2020 14:15

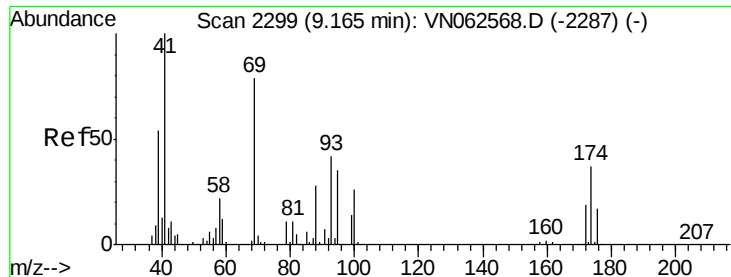
Tgt Ion: 63 Resp: 916

Ion Ratio Lower Upper

63 100

65 0.0 24.4 36.6#

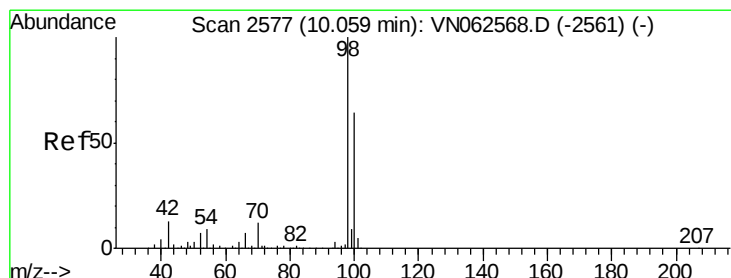
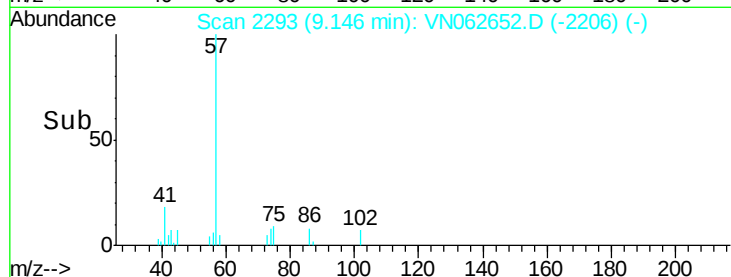
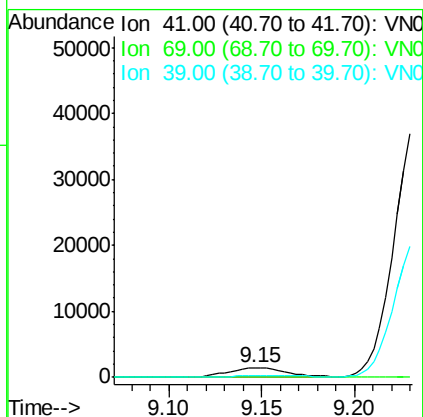
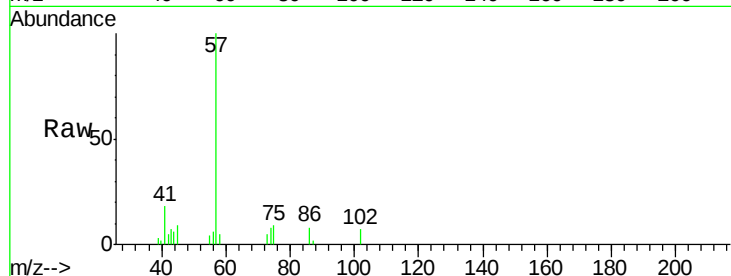




#48
Methvl methacrylate
Concen: 1.420 ug/l
RT: 9.15 min Scan# 2293
Delta R.T. -0.02 min
Lab File: VN062652.D
Acq: 29 Jul 2020 14:15

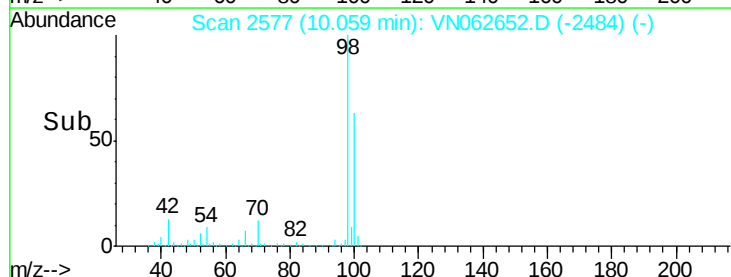
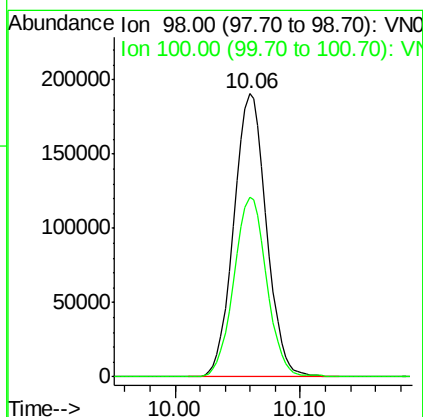
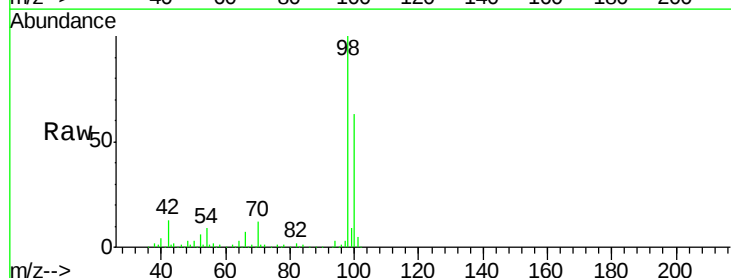
Instrument :
MSVOA_N
ClientSampled :

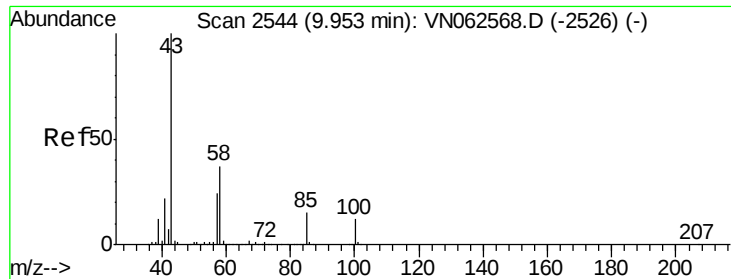
Tot Ion: 41 Resp: 3179
Ion Ratio Lower Upper
41 100
69 0.0 64.4 96.6#
39 0.0 43.5 65.3#



#50
Toluene-d8
Concen: 51.725 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062652.D
Acq: 29 Jul 2020 14:15

Tgt Ion: 98 Resp: 344594
Ion Ratio Lower Upper
98 100
100 63.9 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 1.621 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN062652.D

Acq: 29 Jul 2020 14:15

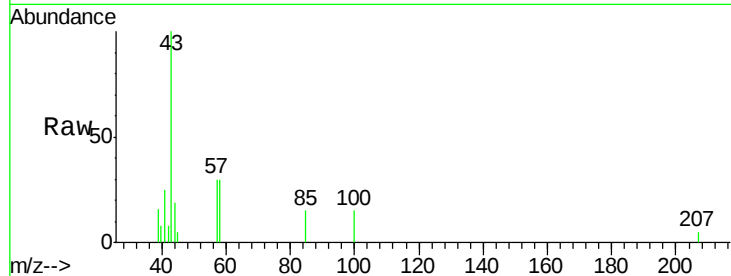
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 4568

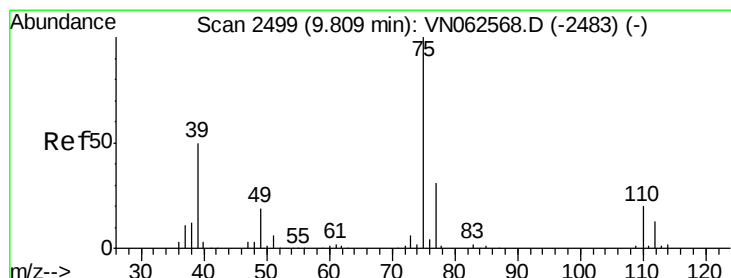
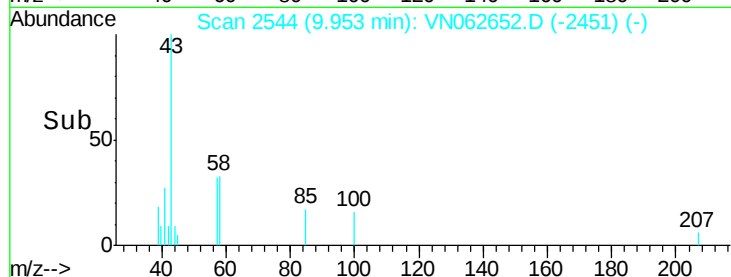
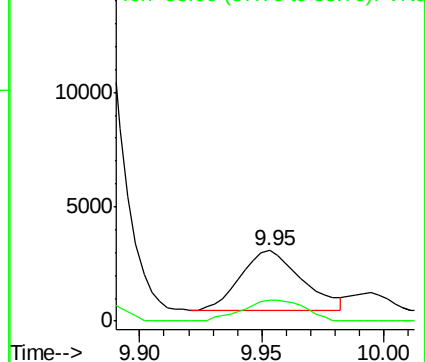
Ion Ratio Lower Upper

43 100

58 36.0 29.8 44.6



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



#54

cis-1,3-Dichloropropene

Concen: 6.068 ug/l

RT: 9.87 min Scan# 2519

Delta R.T. 0.06 min

Lab File: VN062652.D

Acq: 29 Jul 2020 14:15

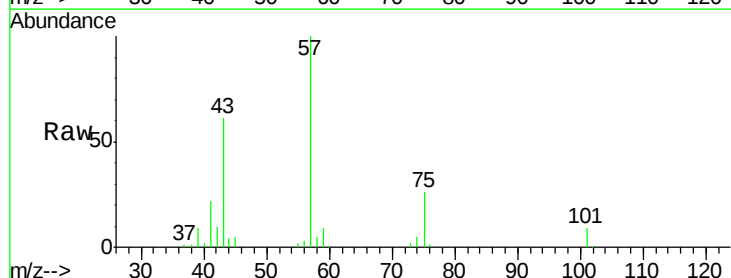
Tgt Ion: 75 Resp: 20904

Ion Ratio Lower Upper

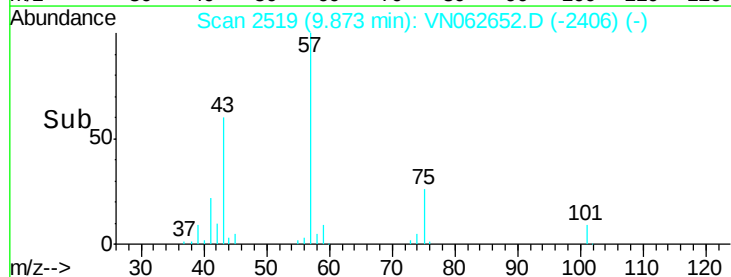
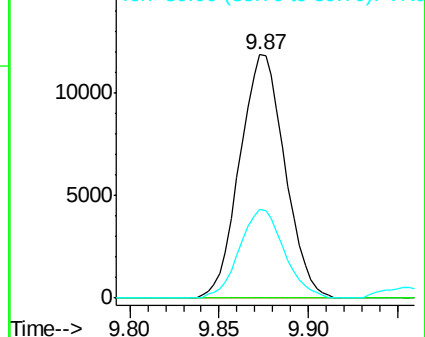
75 100

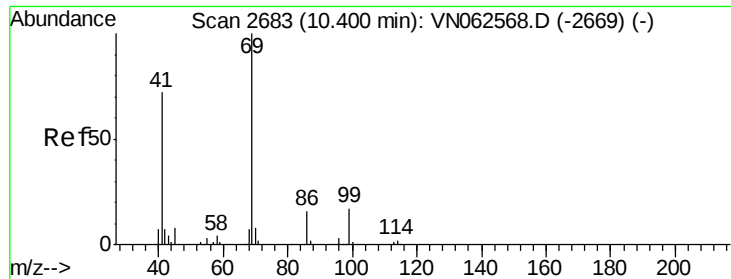
77 0.0 25.0 37.6#

39 36.3 39.8 59.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 76.90 (76.60 to 77.60): VN0
Ion 39.00 (38.70 to 39.70): VN0





#56

Ethyl methacrylate

Concen: 2.069 ug/l

RT: 10.51 min Scan# 2718

Delta R.T. 0.11 min

Lab File: VN062652.D

Acq: 29 Jul 2020 14:15

Instrument :

MSVOA_N

ClientSampleId :

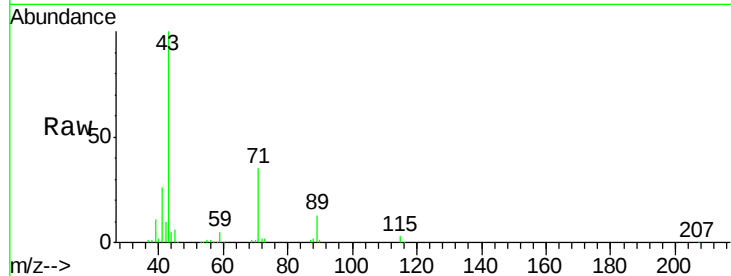
Tot Ion: 69 Resp: 1033

Ion Ratio Lower Upper

69 100

41 4549.2 57.2 85.8#

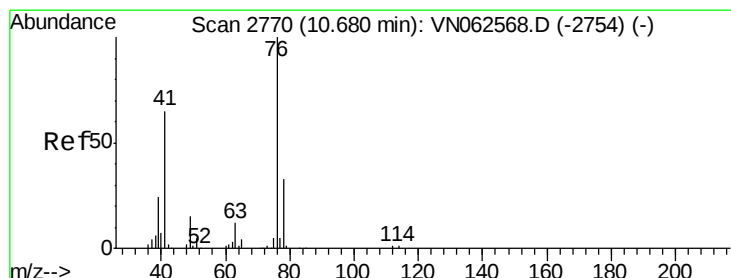
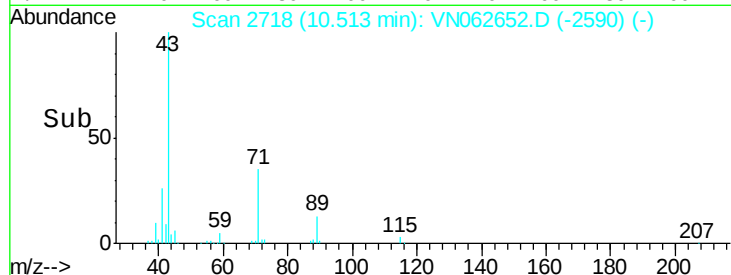
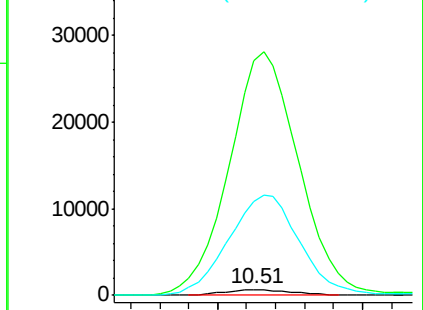
39 1918.6 28.6 43.0#



Abundance Ion 69.00 (68.70 to 69.70): VN062568.D (-2669) (-)

Ion 41.00 (40.70 to 41.70): VN062568.D (-2669) (-)

Ion 39.00 (38.70 to 39.70): VN062568.D (-2669) (-)



#57

1,3-Dichloropropane

Concen: 1.023 ug/l

RT: 10.74 min Scan# 2788

Delta R.T. 0.06 min

Lab File: VN062652.D

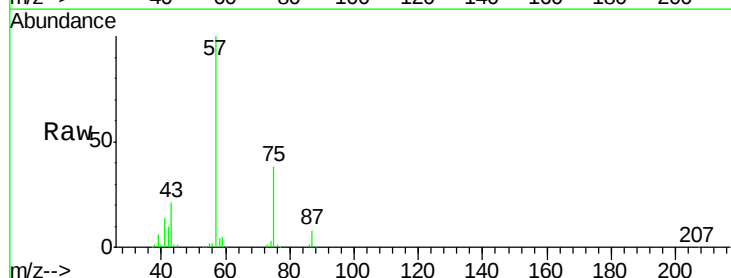
Acq: 29 Jul 2020 14:15

Tgt Ion: 76 Resp: 3461

Ion Ratio Lower Upper

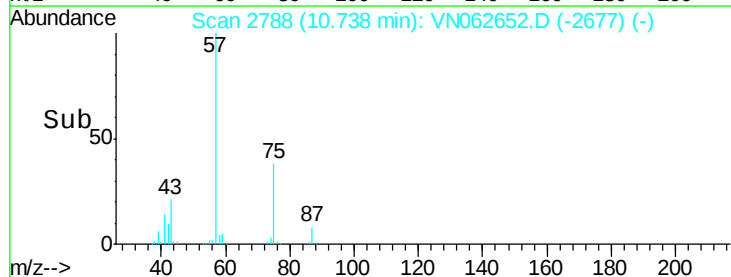
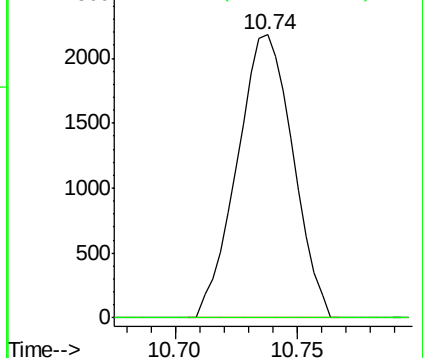
76 100

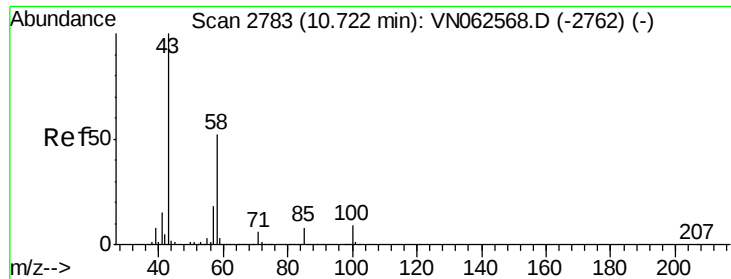
78 0.0 26.3 39.5#



Abundance Ion 75.90 (75.60 to 76.60): VN062568.D (-2754) (-)

Ion 77.90 (77.60 to 78.60): VN062568.D (-2754) (-)





#59

2-Hexanone

Concen: 26.976 ug/l

RT: 10.74 min Scan# 2788

Delta R.T. 0.02 min

Lab File: VN062652.D

Acq: 29 Jul 2020 14:15

Instrument :

MSVOA_N

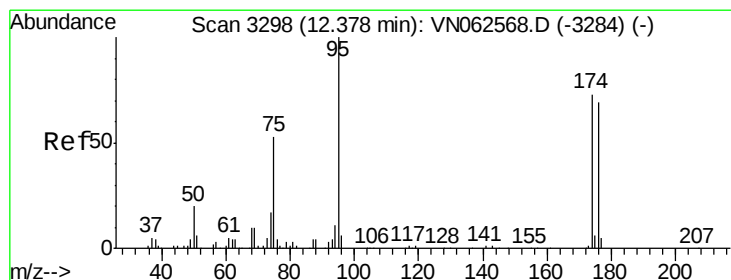
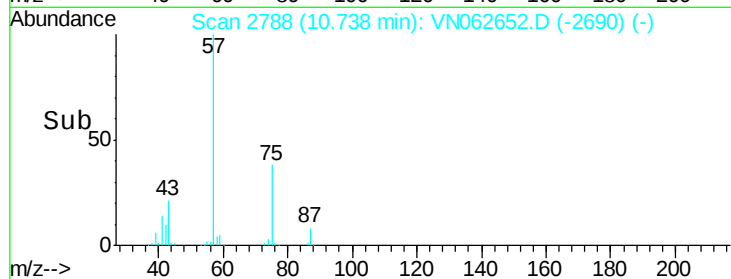
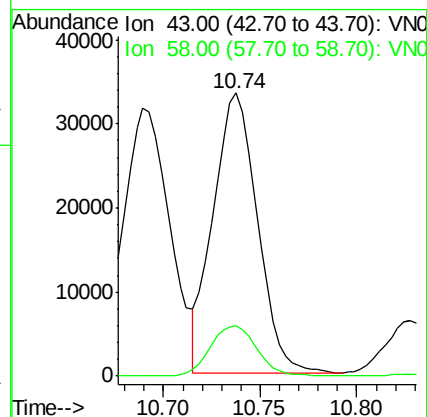
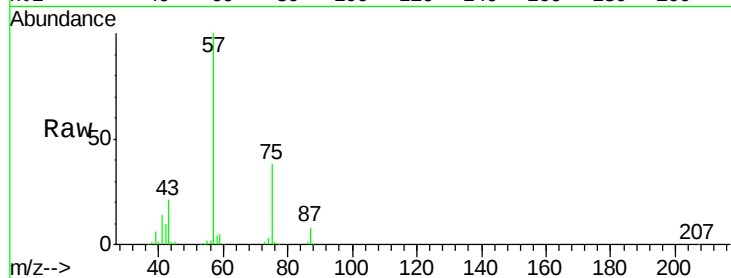
ClientSampleId :

Tot Ion: 43 Resp: 52953

Ion Ratio Lower Upper

43 100

58 18.9 26.0 78.0#



#62

4-Bromofluorobenzene

Concen: 50.360 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062652.D

Acq: 29 Jul 2020 14:15

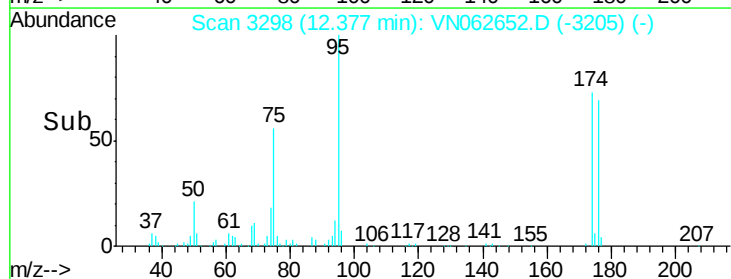
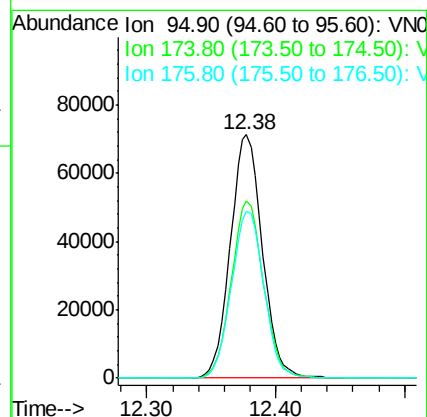
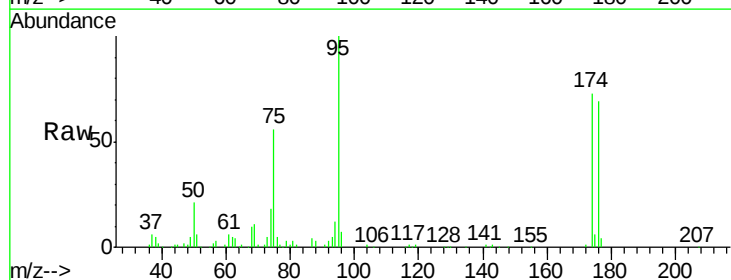
Tgt Ion: 95 Resp: 122673

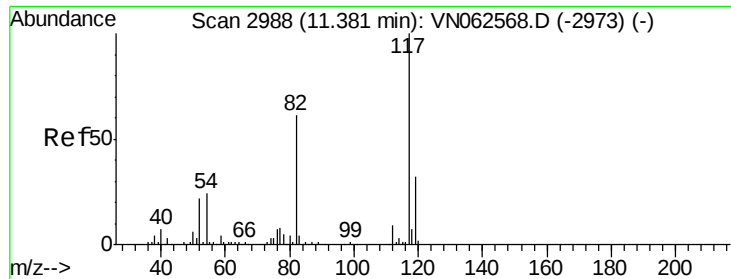
Ion Ratio Lower Upper

95 100

174 73.2 0.0 144.6

176 69.5 0.0 139.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN062652.D

Acq: 29 Jul 2020 14:15

Instrument :

MSVOA_N

ClientSampleId :

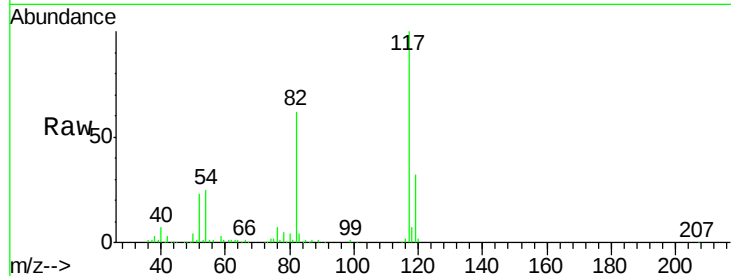
Tot Ion:117 Resp: 261373

Ion Ratio Lower Upper

117 100

82 62.2 49.0 73.6

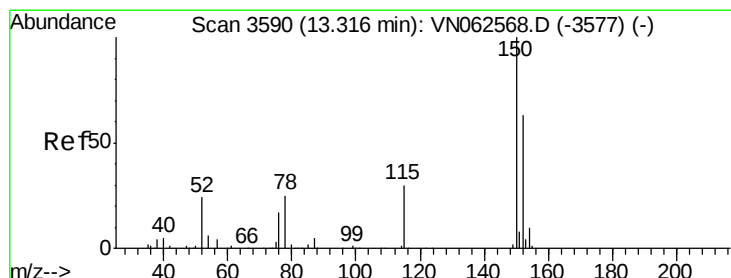
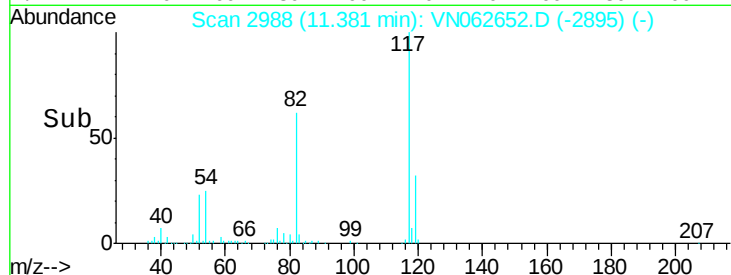
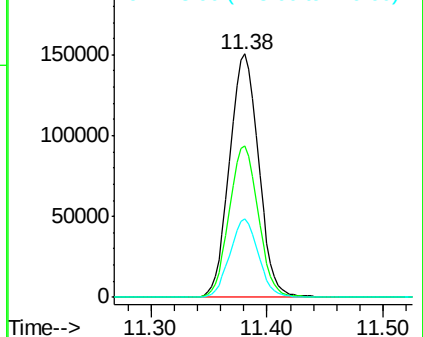
119 32.2 25.4 38.2



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062652.D

Acq: 29 Jul 2020 14:15

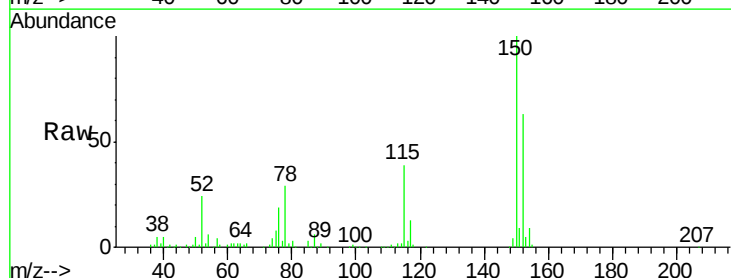
Tgt Ion:152 Resp: 93356

Ion Ratio Lower Upper

152 100

115 63.6 31.8 95.4

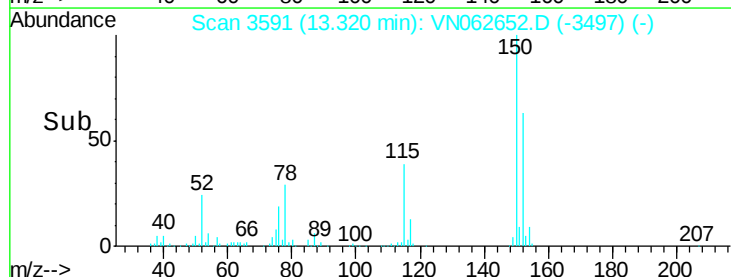
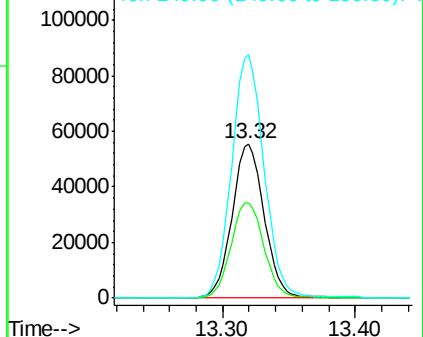
150 159.6 0.0 351.4

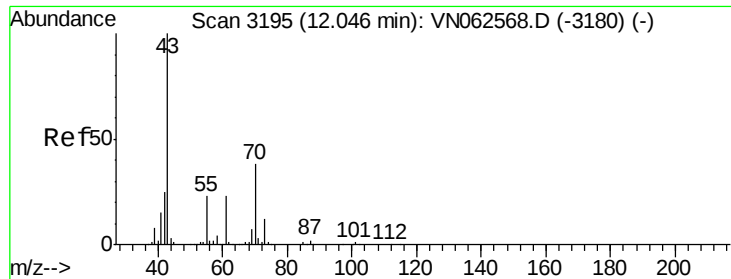


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 0.566 ug/l

RT: 12.01 min Scan# 3183

Delta R.T. -0.04 min

Lab File: VN062652.D

Acq: 29 Jul 2020 14:15

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 1865

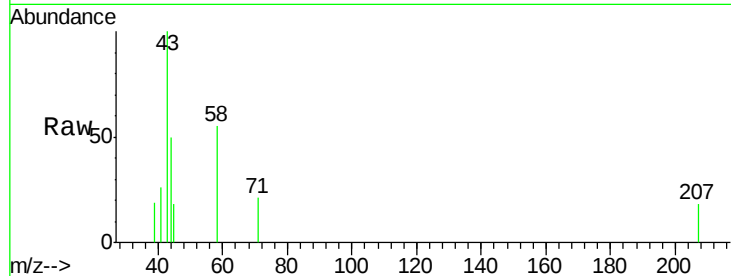
Ion Ratio Lower Upper

43 100

70 0.0 30.5 45.7#

55 0.0 19.0 28.6#

61 0.0 18.4 27.6#

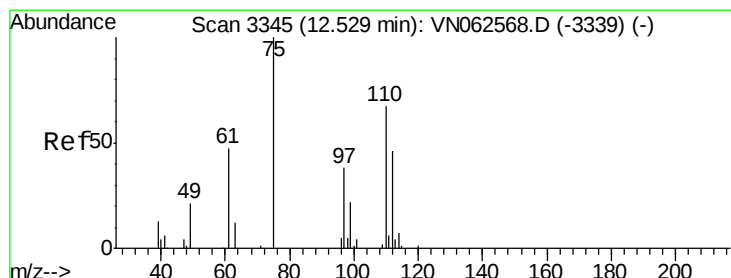
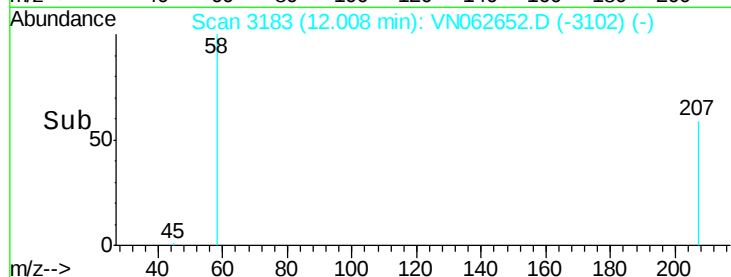
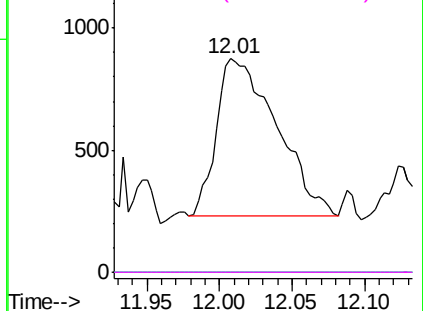


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 28.144 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062652.D

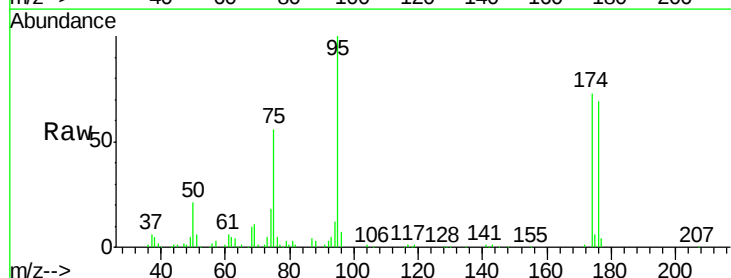
Acq: 29 Jul 2020 14:15

Tgt Ion: 75 Resp: 66877

Ion Ratio Lower Upper

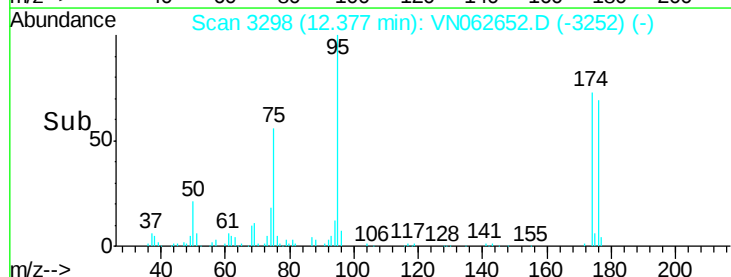
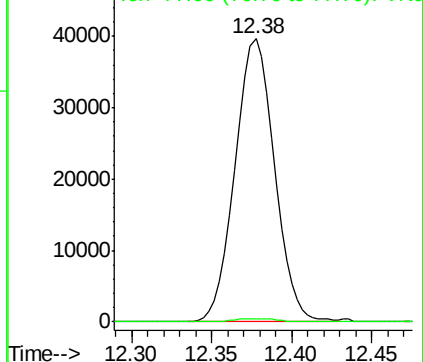
75 100

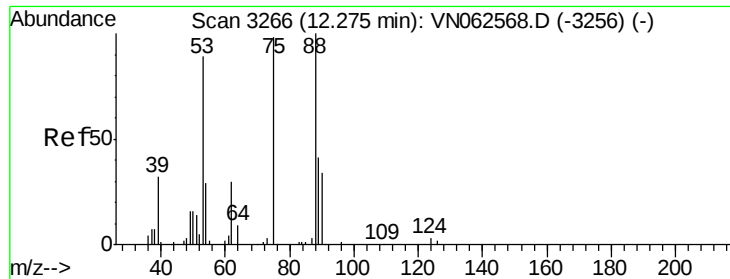
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 78.346 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062652.D

Acq: 29 Jul 2020 14:15

Instrument :

MSVOA_N

ClientSampleId :

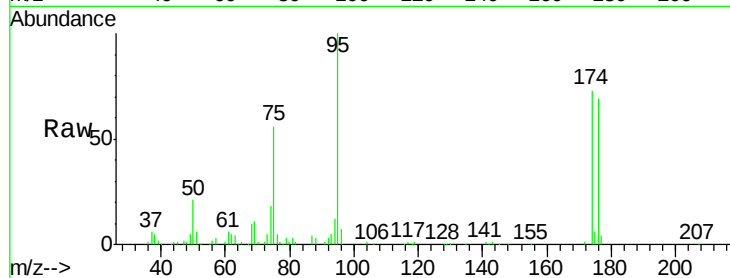
Tot Ion: 75 Resp: 66877

Ion Ratio Lower Upper

75 100

53 0.0 75.4 113.0#

89 0.0 34.5 51.7#

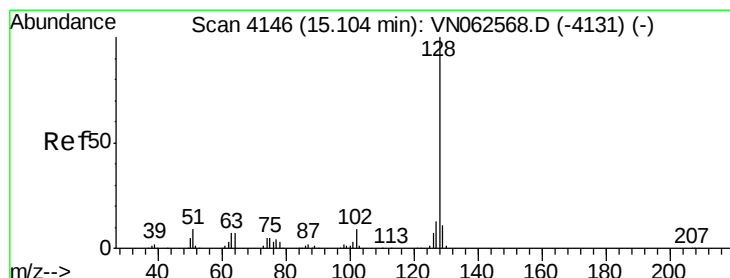
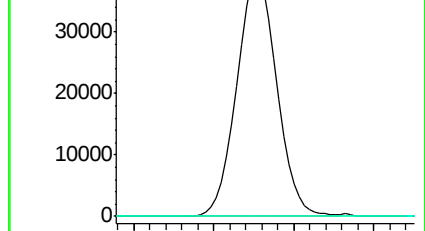
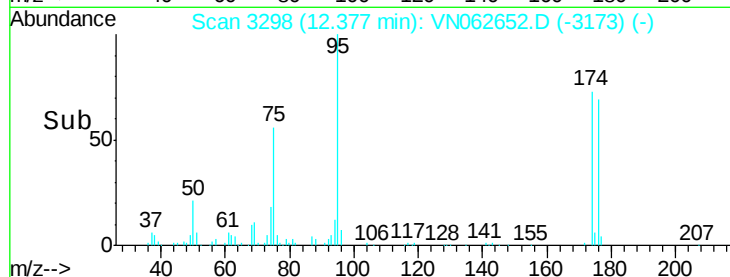


Abundance Ion 74.90 (74.60 to 75.60): VN062568.D (-3256) (-)

Ion 53.00 (52.70 to 53.70): VN062568.D (-3256) (-)

Ion 88.90 (88.60 to 89.60): VN062568.D (-3256) (-)

Time-->



#95

Naphthalene

Concen: 3.768 ug/l

RT: 15.10 min Scan# 4144

Delta R.T. -0.01 min

Lab File: VN062652.D

Acq: 29 Jul 2020 14:15

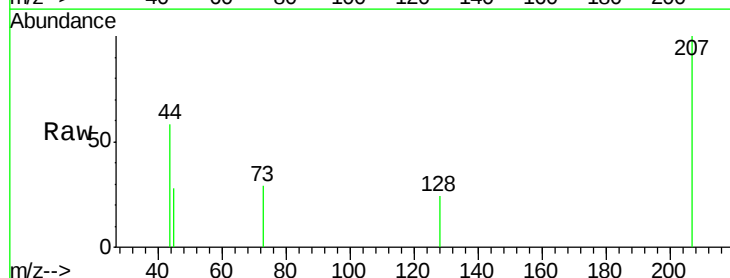
Tgt Ion: 128 Resp: 32

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): VN062568.D (-4131) (-)

Ion 127.00 (126.70 to 127.70): VN062568.D (-4131) (-)

Ion 129.00 (128.70 to 129.70): VN062568.D (-4131) (-)

Time-->

