

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081120\
 Data File : VN062838.D
 Acq On : 11 Aug 2020 18:44
 Operator : JC/MD
 Sample : L3624-18
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SS-TP-4

Quant Time: Aug 11 21:23:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080520W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:26:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	121165	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	215104	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	228815	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	80616	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	104988	52.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.80%	
35) Dibromofluoromethane	7.55	113	73226	49.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.54%	
50) Toluene-d8	10.06	98	288507	50.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.44%	
62) 4-Bromofluorobenzene	12.38	95	104933	48.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.68%	

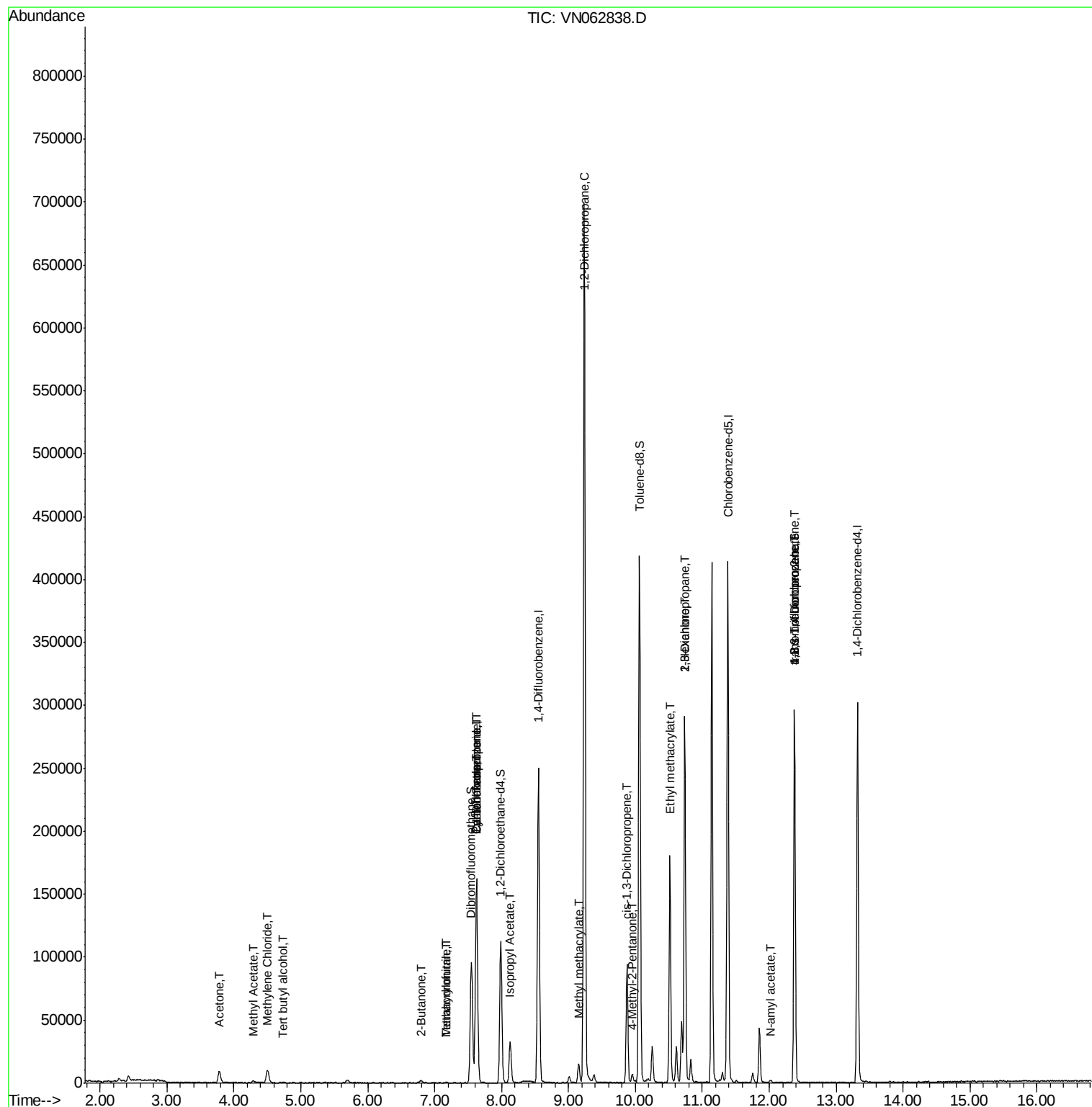
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.74	59	216	0.658	ug/l #	72
16) Acetone	3.78	43	16386	22.632	ug/l	93
18) Methyl Acetate	4.29	43	2942	0.602	ug/l #	75
20) Methylene Chloride	4.51	84	7655	5.095	ug/l	94
25) 2-Butanone	6.81	43	2509	2.447	ug/l #	49
29) Tetrahydrofuran	7.17	42	408	0.612	ug/l #	33
31) Cyclohexane	7.63	56	2725	1.122	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	10301	4.918	ug/l #	53
38) Carbon Tetrachloride	7.63	117	13677	5.521	ug/l #	16
41) Methacrylonitrile	7.17	41	319	0.323	ug/l #	28
43) Isopropyl Acetate	8.13	43	38000	10.413	ug/l	97
45) 1,2-Dichloropropane	9.23	63	906	0.536	ug/l #	45
48) Methyl methacrylate	9.15	41	2078	1.158	ug/l #	13
51) 4-Methyl-2-Pentanone	9.95	43	4230	1.791	ug/l	92
54) cis-1,3-Dichloropropene	9.88	75	17081	6.213	ug/l #	65
56) Ethyl methacrylate	10.53	69	1053	0.424	ug/l #	1
57) 1,3-Dichloropropane	10.73	76	2800	1.000	ug/l #	43
59) 2-Hexanone	10.74	43	39999	22.710	ug/l #	54
74) N-amyl acetate	12.01	43	2423	0.985	ug/l #	44
76) 1,2,3-Trichloropropane	12.38	75	56567	26.018	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	56567	79.427	ug/l #	10

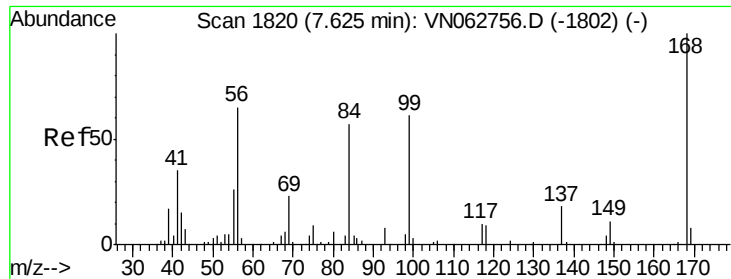
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062838.D

Acq: 11 Aug 2020 18:44

Instrument :

MSVOA_N

ClientSampleId :

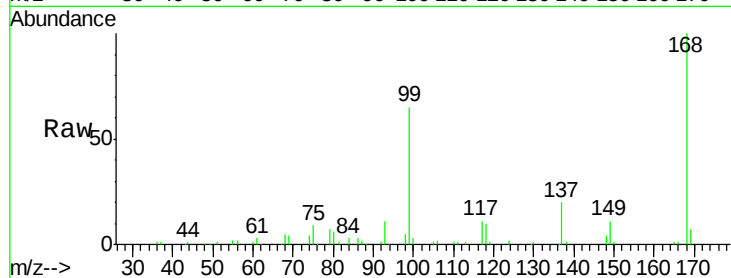
SS-TP-4

Tgt Ion:168 Resp: 121165

Ion Ratio Lower Upper

168 100

99 65.2 52.9 79.3



Abundance Ion 167.90 (167.60 to 168.60): VN062756.D (-1802) (-)

Ion 98.90 (98.60 to 99.60): VN062756.D (-1802) (-)

7.63

60000

50000

40000

30000

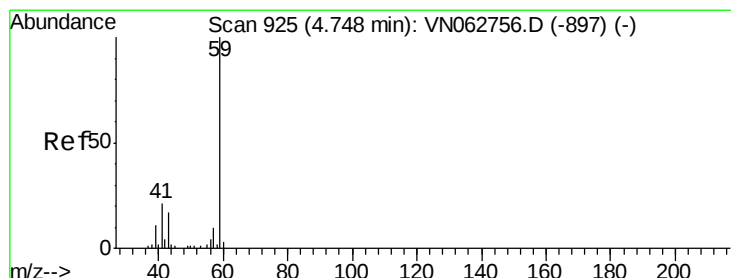
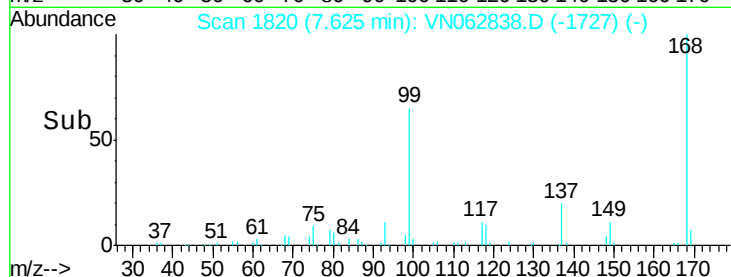
20000

10000

0

Time-->

7.55 7.60 7.65 7.70



#11

Tert butyl alcohol

Concen: 0.658 ug/l

RT: 4.74 min Scan# 922

Delta R.T. -0.01 min

Lab File: VN062838.D

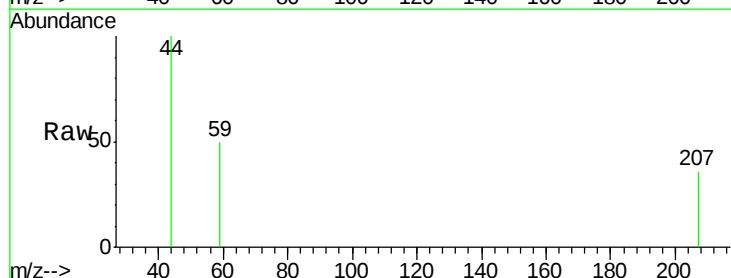
Acq: 11 Aug 2020 18:44

Tgt Ion: 59 Resp: 216

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VN062756.D (-897) (-)

Ion 57.00 (56.70 to 57.70): VN062756.D (-897) (-)

4.74

250

200

150

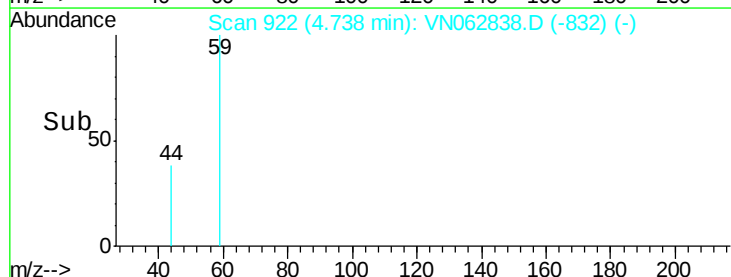
100

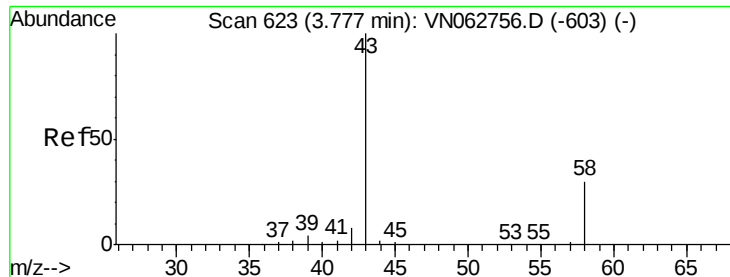
50

0

Time-->

4.71 4.72 4.73 4.74 4.75





#16

Acetone

Concen: 22.632 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.01 min

Lab File: VN062838.D

Acq: 11 Aug 2020 18:44

Instrument :

MSVOA_N

ClientSampleId :

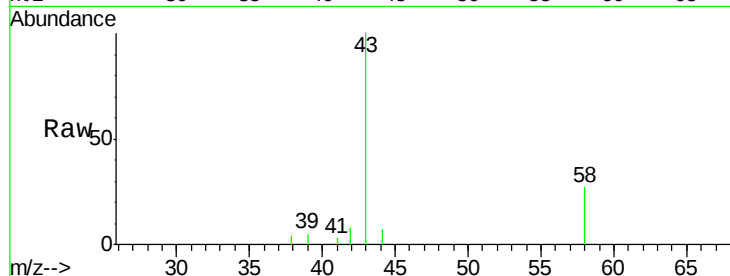
SS-TP-4

Tgt Ion: 43 Resp: 16386

Ion Ratio Lower Upper

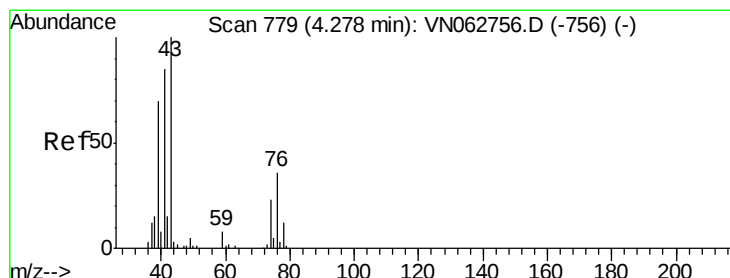
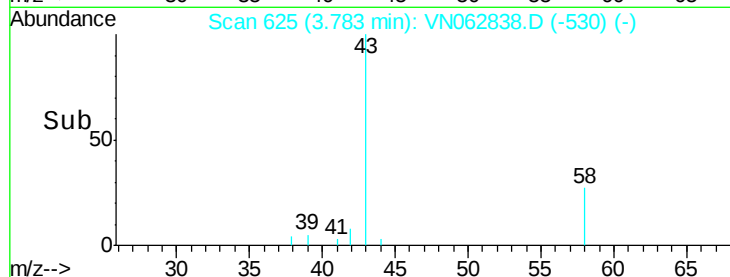
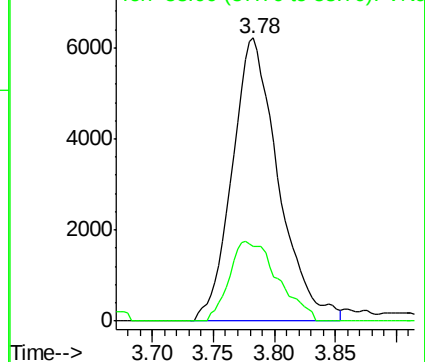
43 100

58 26.5 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 0.602 ug/l

RT: 4.29 min Scan# 783

Delta R.T. 0.01 min

Lab File: VN062838.D

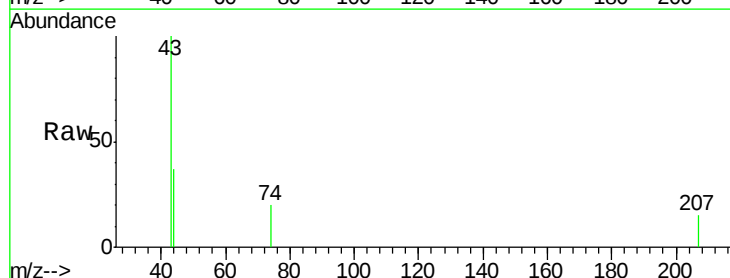
Acq: 11 Aug 2020 18:44

Tgt Ion: 43 Resp: 2942

Ion Ratio Lower Upper

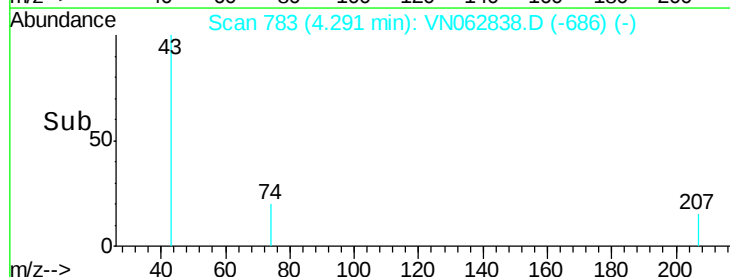
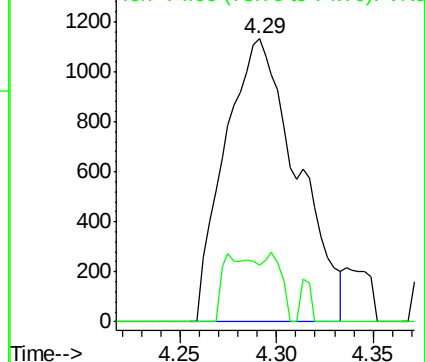
43 100

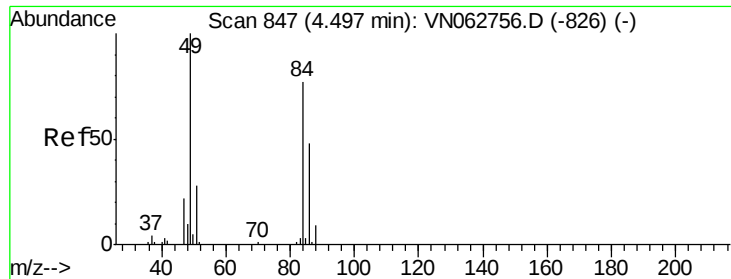
74 11.1 18.6 28.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

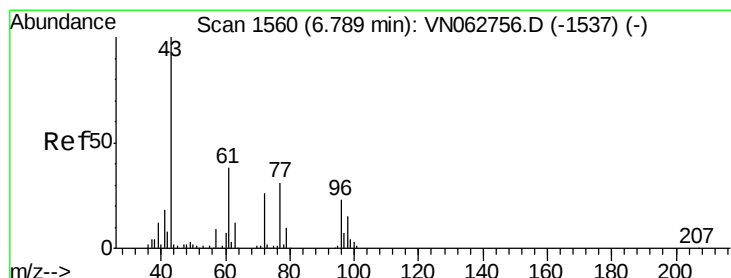
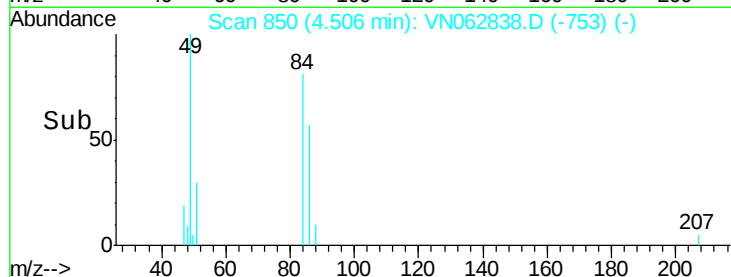
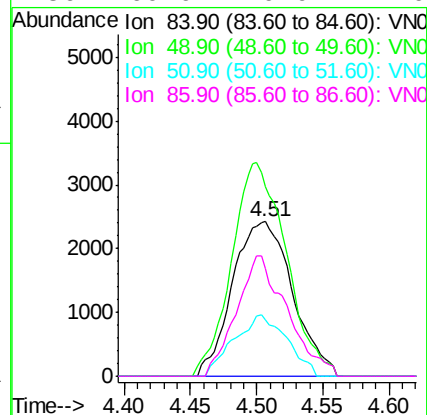
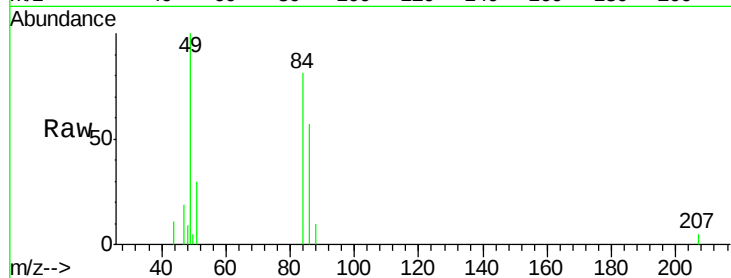




#20
Methylene Chloride
Concen: 5.095 ug/l
RT: 4.51 min Scan# 850
Delta R.T. 0.01 min
Lab File: VN062838.D
Acq: 11 Aug 2020 18:44

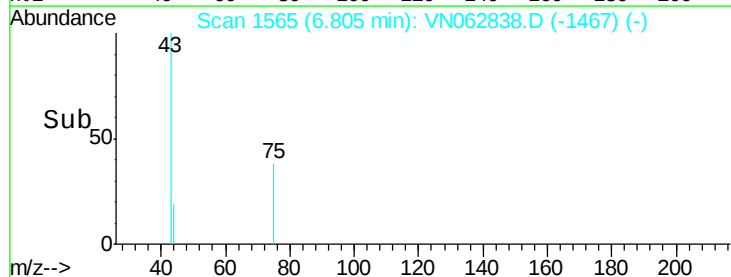
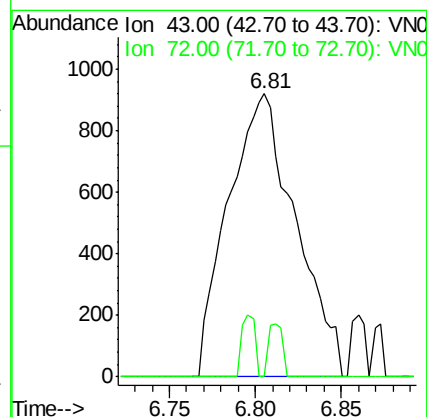
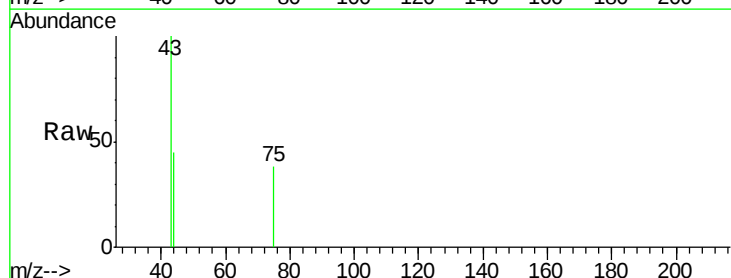
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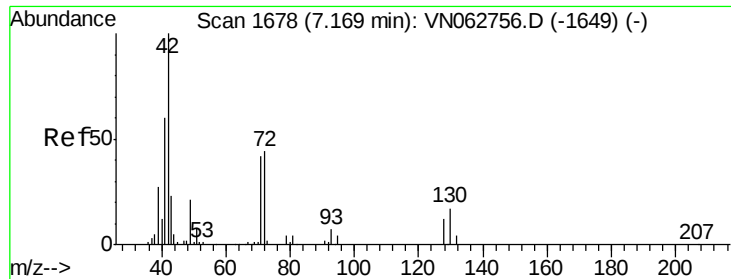
Tgt Ion:	84	Resp:	7655
Ion	Ratio	Lower	Upper
84	100		
49	122.9	103.4	155.2
51	36.6	29.3	43.9
86	69.9	49.9	74.9



#25
2-Butanone
Concen: 2.447 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. 0.02 min
Lab File: VN062838.D
Acq: 11 Aug 2020 18:44

Tgt Ion:	43	Resp:	2509
Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.1	31.7#

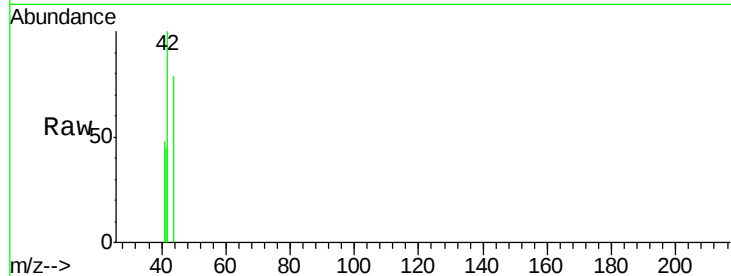




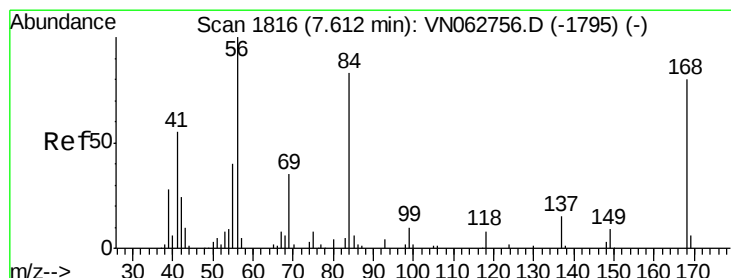
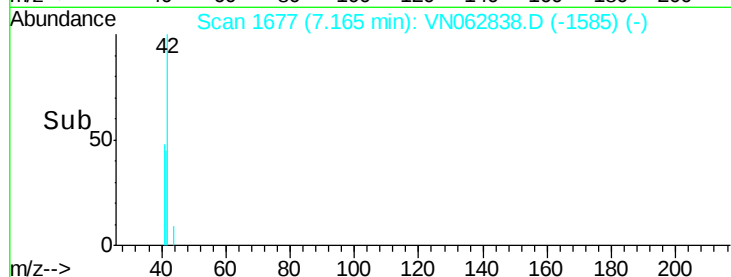
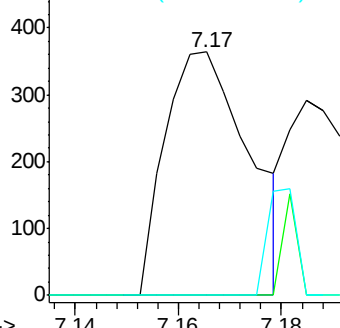
#29
Tetrahydrofuran
Concen: 0.612 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN062838.D
Acq: 11 Aug 2020 18:44

Instrument :
MSVOA_N
ClientSampleId :
SS-TP-4

Tgt Ion: 42 Resp: 408
Ion Ratio Lower Upper
42 100
72 0.0 35.0 52.4#
71 0.0 33.2 49.8#

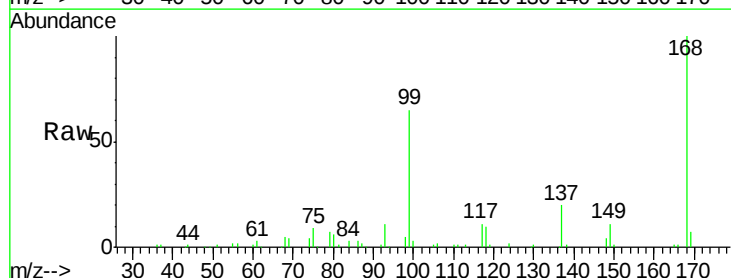


Abundance Ion 42.00 (41.70 to 42.70): VNO
Ion 72.00 (71.70 to 72.70): VNO
Ion 71.00 (70.70 to 71.70): VNO

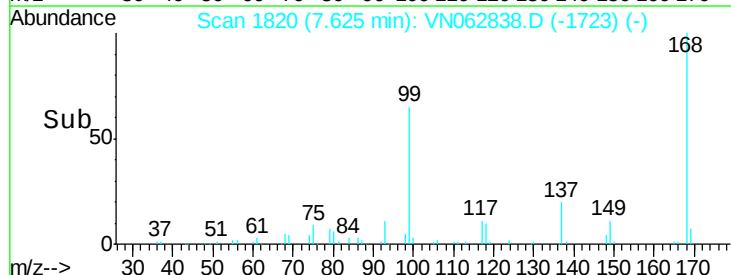
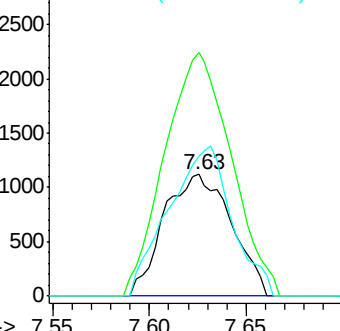


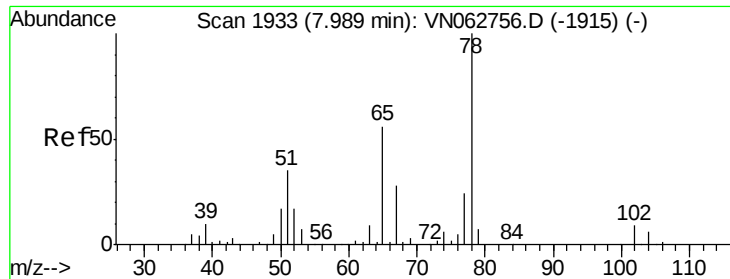
#31
Cyclohexane
Concen: 1.122 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. 0.01 min
Lab File: VN062838.D
Acq: 11 Aug 2020 18:44

Tgt Ion: 56 Resp: 2725
Ion Ratio Lower Upper
56 100
69 200.4 28.1 42.1#
84 114.8 66.8 100.2#



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

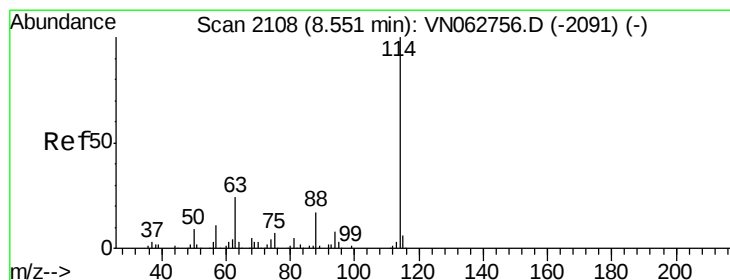
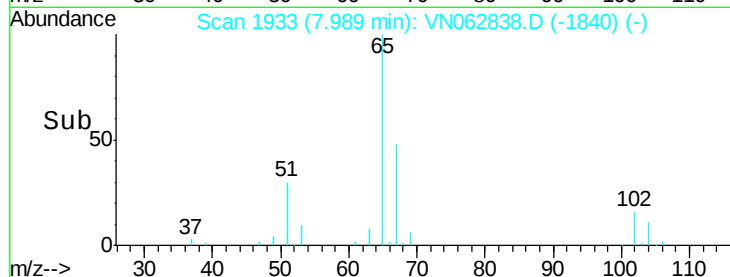
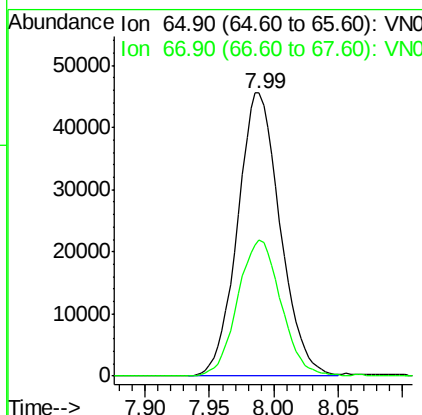
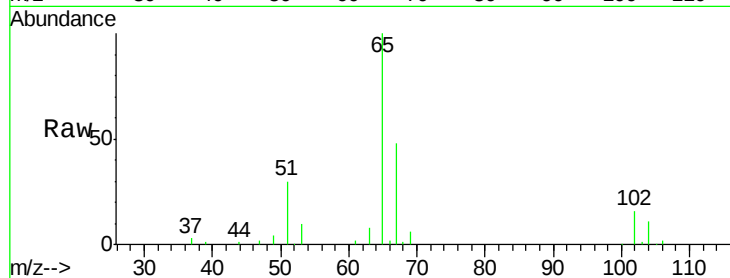




#33
 1,2-Dichloroethane-d4
 Concen: 52.397 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. -0.00 min
 Lab File: VN062838.D
 Acq: 11 Aug 2020 18:44

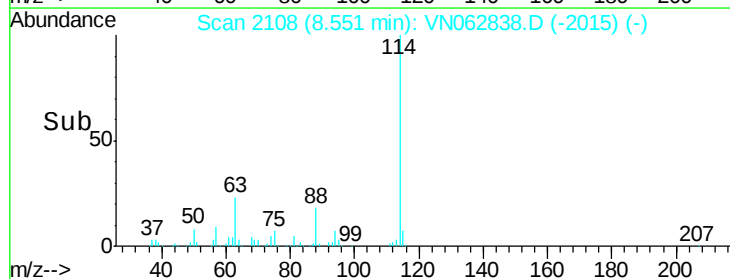
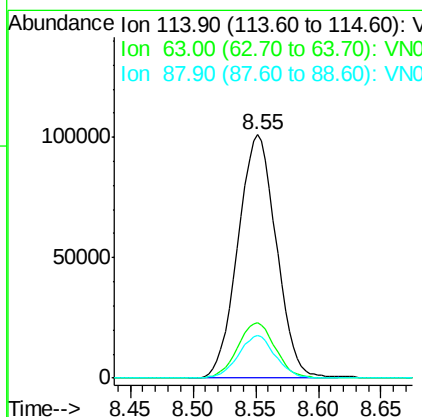
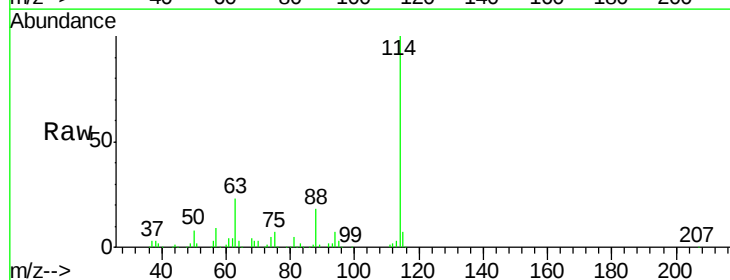
Instrument :
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 SS-TP-4

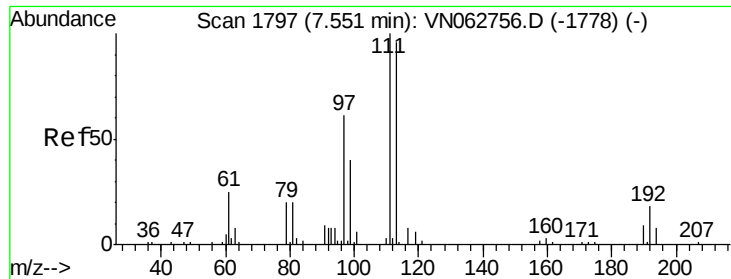
Tgt Ion: 65 Resp: 104988
 Ion Ratio Lower Upper
 65 100
 67 48.8 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062838.D
 Acq: 11 Aug 2020 18:44

Tgt Ion: 114 Resp: 215104
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 47.6
 88 17.5 0.0 34.4

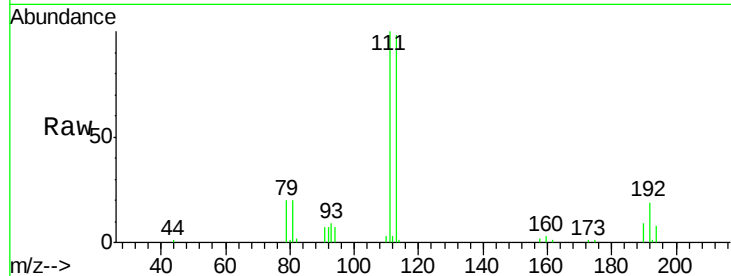




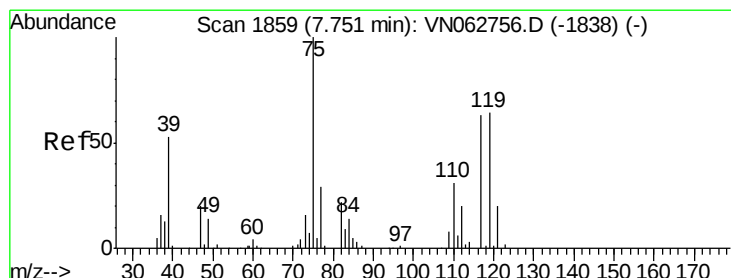
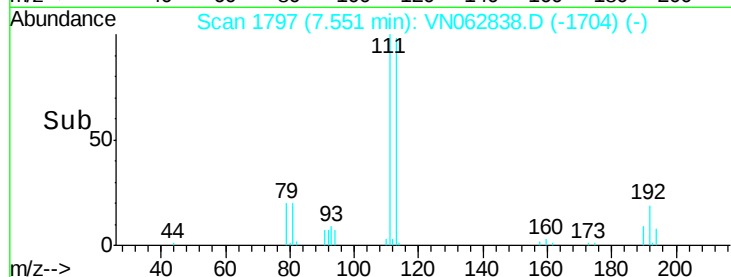
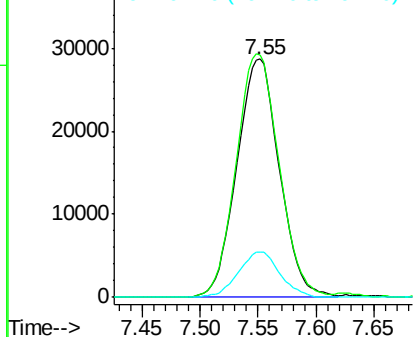
#35
Dibromofluoromethane
Concen: 49.765 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. -0.00 min
Lab File: VN062838.D
Acq: 11 Aug 2020 18:44

Instrument :
MSVOA_N
ClientSampleId :
SS-TP-4

Tgt Ion: 113 Resp: 73226
Ion Ratio Lower Upper
113 100
111 103.1 81.8 122.6
192 18.6 15.0 22.4

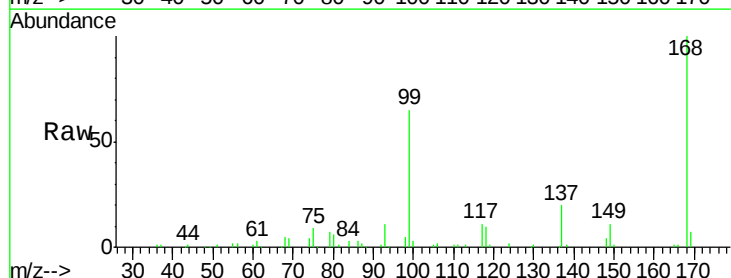


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

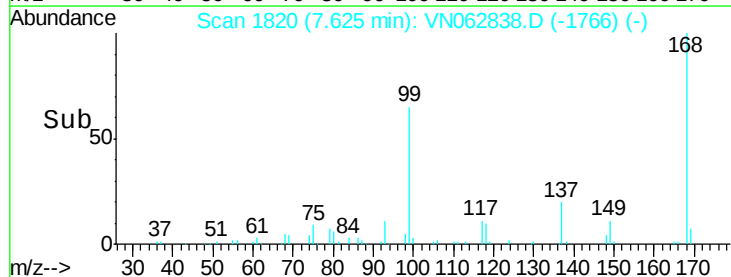
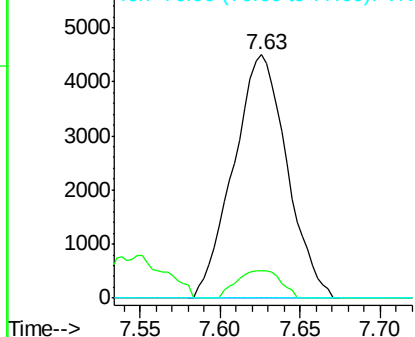


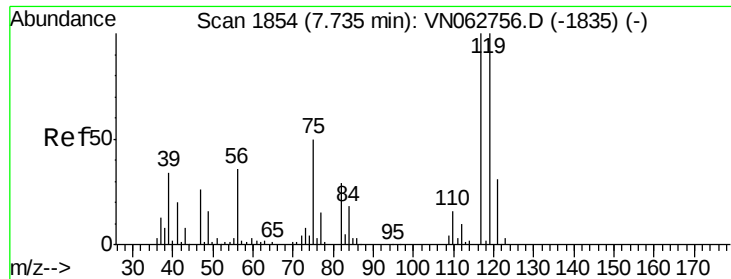
#36
1,1-Dichloropropene
Concen: 4.918 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. -0.13 min
Lab File: VN062838.D
Acq: 11 Aug 2020 18:44

Tgt Ion: 75 Resp: 10301
Ion Ratio Lower Upper
75 100
110 9.3 15.6 46.7#
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: 5.521 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN062838.D

Acq: 11 Aug 2020 18:44

Instrument :

MSVOA_N

ClientSampleId :

SS-TP-4

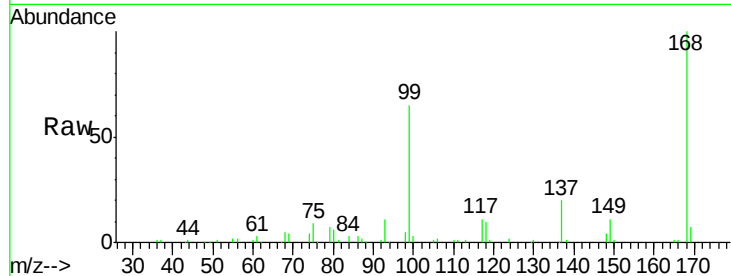
Tgt Ion: 117 Resp: 13677

Ion Ratio Lower Upper

117 100

119 7.6 79.4 119.2#

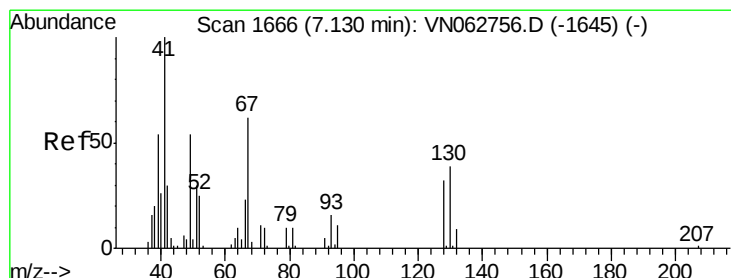
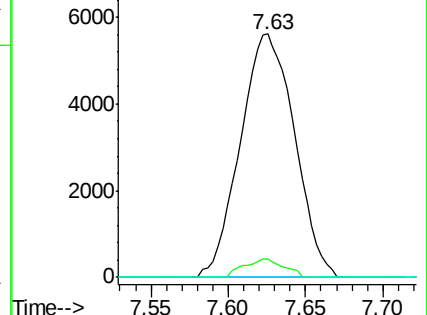
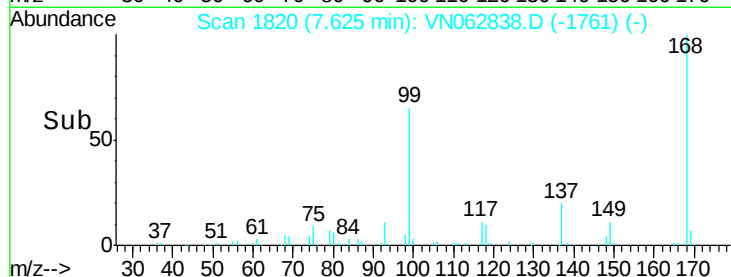
121 0.0 24.9 37.3#



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



#41

Methacrylonitrile

Concen: 0.323 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. 0.04 min

Lab File: VN062838.D

Acq: 11 Aug 2020 18:44

Tgt Ion: 41 Resp: 319

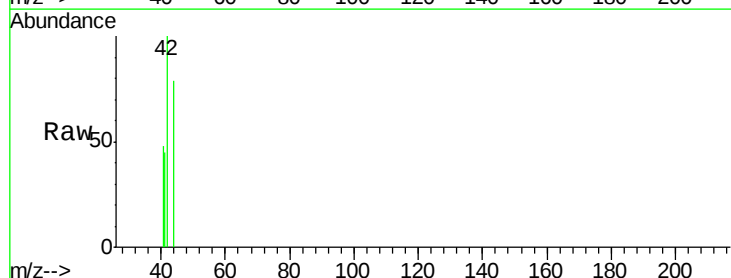
Ion Ratio Lower Upper

41 100

39 20.4 69.4 104.2#

67 0.0 0.0 0.0

52 0.0 0.0 0.0

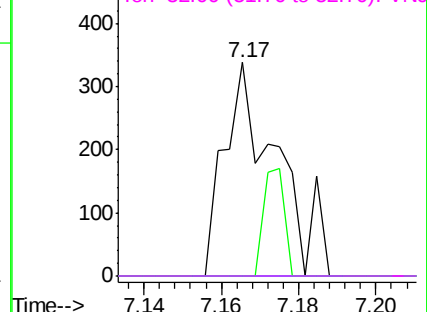
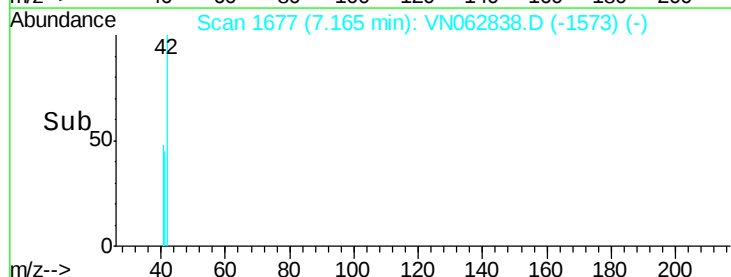


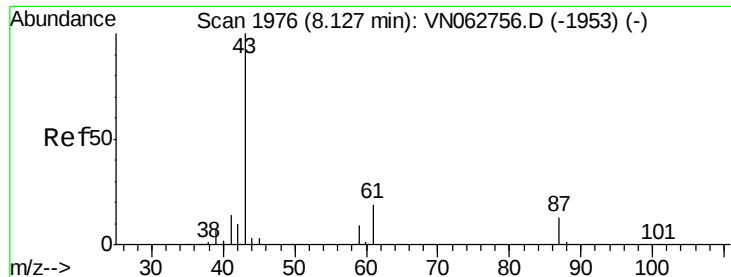
Abundance Ion 41.00 (40.70 to 41.70): V

Ion 39.00 (38.70 to 39.70): V

Ion 67.00 (66.70 to 67.70): V

Ion 52.00 (51.70 to 52.70): V





#43

Isopropyl Acetate

Concen: 10.413 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN062838.D

Acq: 11 Aug 2020 18:44

Instrument :

MSVOA_N

ClientSampleId :

SS-TP-4

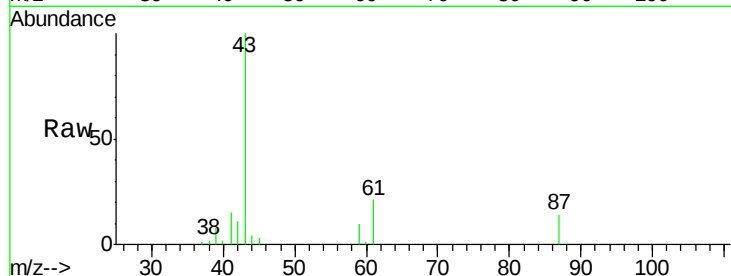
Tgt Ion: 43 Resp: 38000

Ion Ratio Lower Upper

43 100

61 20.7 15.8 23.6

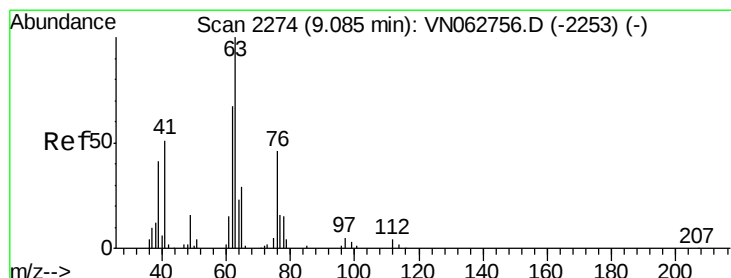
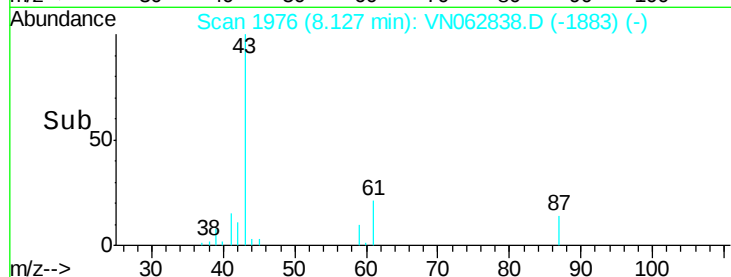
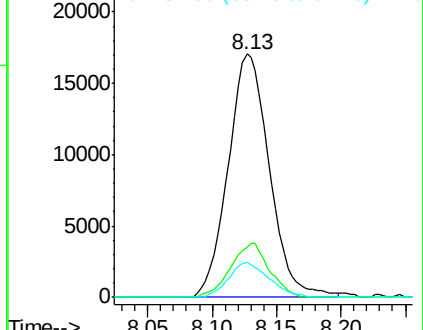
87 14.0 9.9 14.9



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 61.00 (60.70 to 61.70): VNC

Ion 87.00 (86.70 to 87.70): VNC



#45

1,2-Dichloropropane

Concen: 0.536 ug/l

RT: 9.23 min Scan# 2320

Delta R.T. 0.15 min

Lab File: VN062838.D

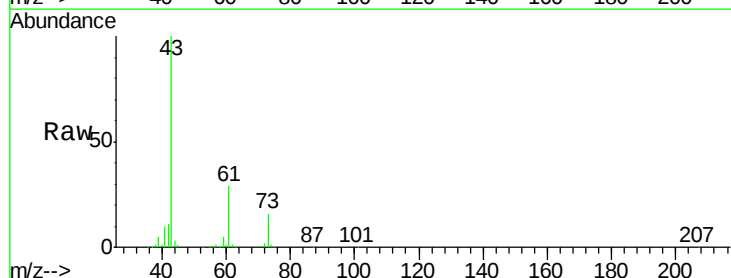
Acq: 11 Aug 2020 18:44

Tgt Ion: 63 Resp: 906

Ion Ratio Lower Upper

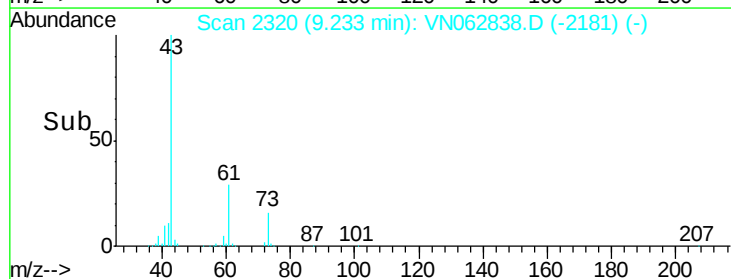
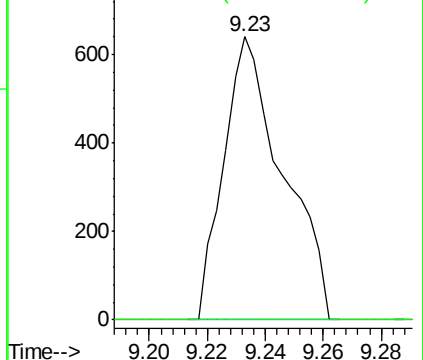
63 100

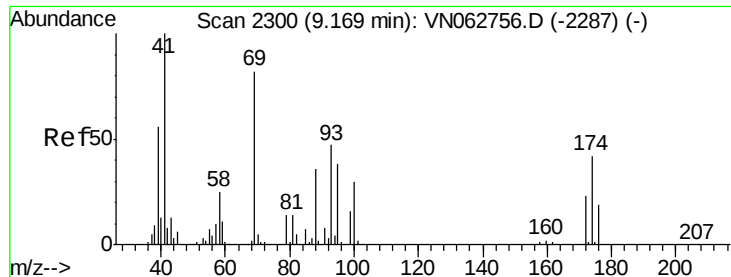
65 0.0 23.5 35.3#



Abundance Ion 62.90 (62.60 to 63.60): VNC

Ion 64.90 (64.60 to 65.60): VNC

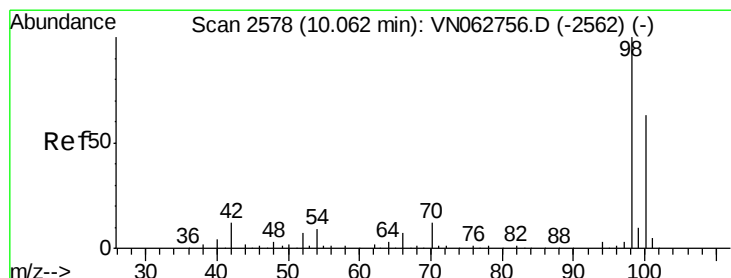
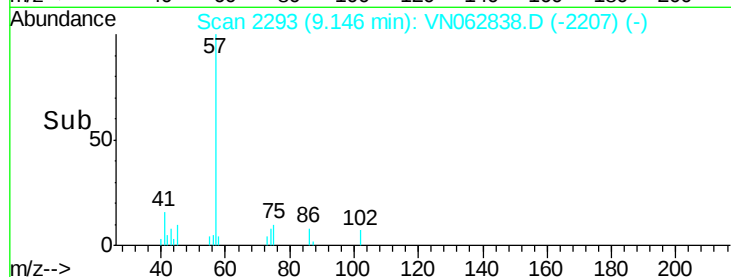
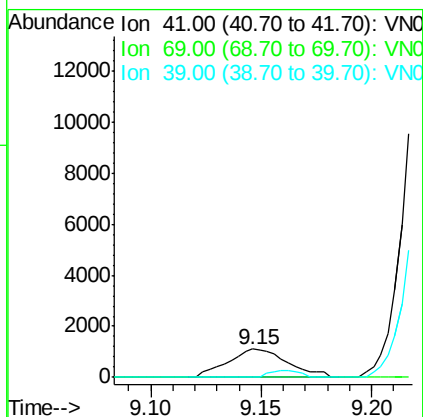
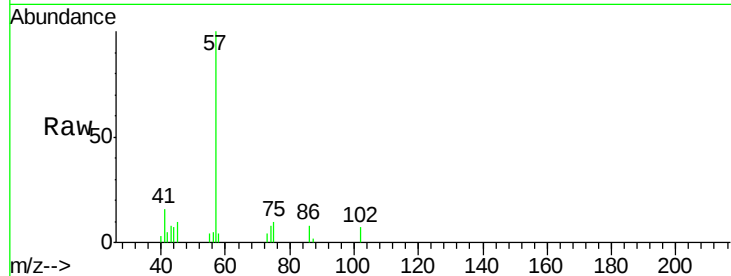




#48
Methyl methacrylate
Concen: 1.158 ug/l
RT: 9.15 min Scan# 2293
Delta R.T. -0.02 min
Lab File: VN062838.D
Acq: 11 Aug 2020 18:44

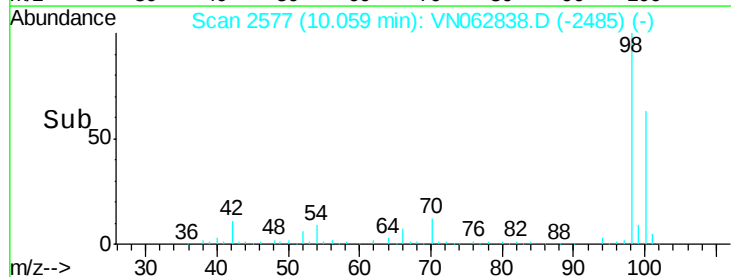
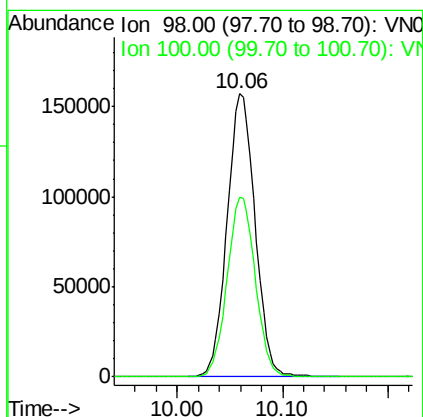
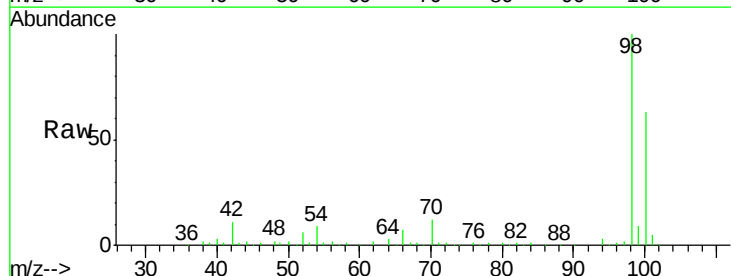
Instrument :
MSVOA_N
ClientSampled :
SS-TP-4

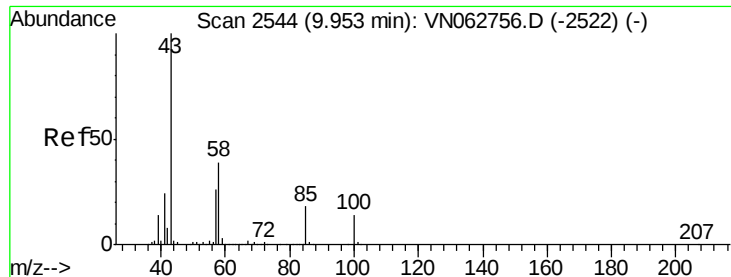
Tgt Ion: 41 Resp: 2078
Ion Ratio Lower Upper
41 100
69 0.0 67.4 101.2#
39 0.0 47.6 71.4#



#50
Toluene-d8
Concen: 50.222 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062838.D
Acq: 11 Aug 2020 18:44

Tgt Ion: 98 Resp: 288507
Ion Ratio Lower Upper
98 100
100 63.7 50.9 76.3

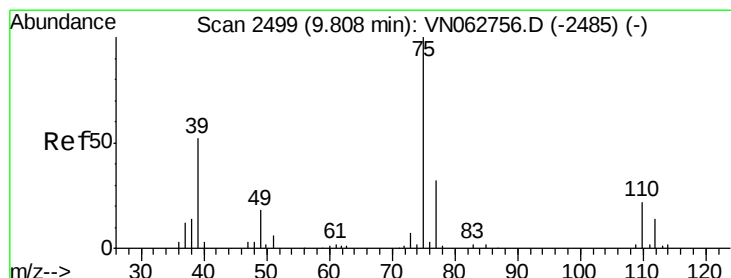
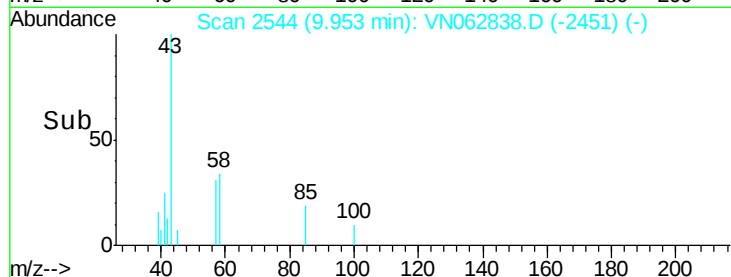
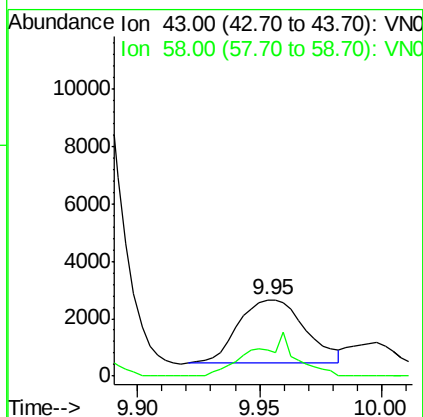
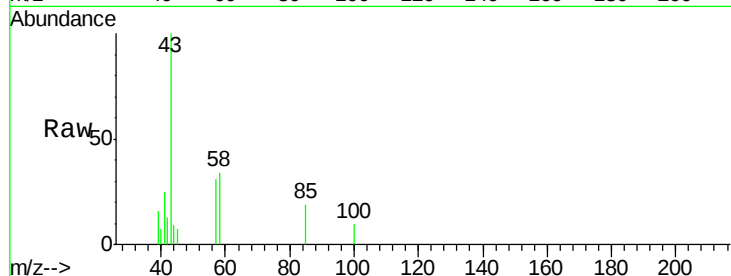




#51
 4-Methyl-2-Pentanone
 Concen: 1.791 ug/l
 RT: 9.95 min Scan# 2544
 Delta R.T. -0.00 min
 Lab File: VN062838.D
 Acq: 11 Aug 2020 18:44

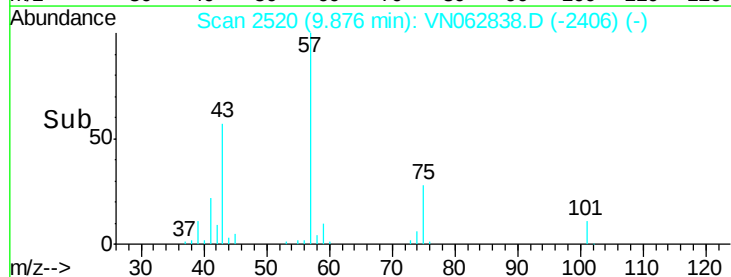
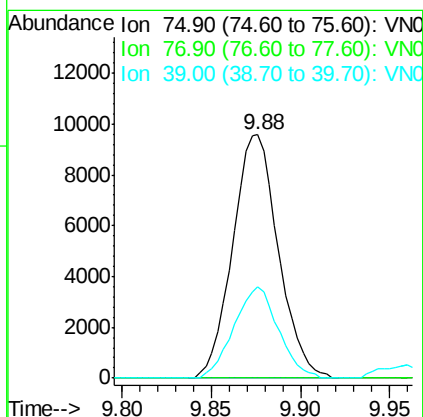
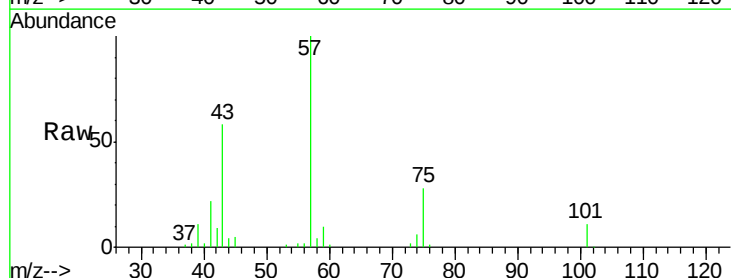
Instrument :
 MSVOA_N
 ClientSampled :
 SS-TP-4

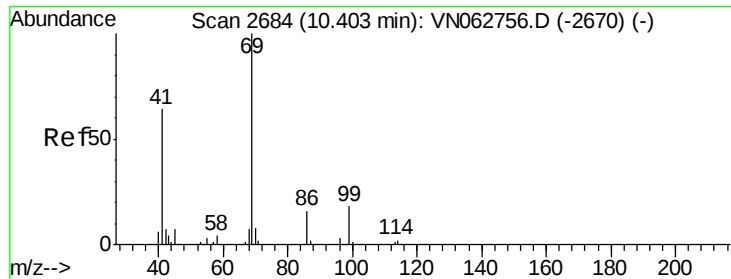
Tgt Ion: 43 Resp: 4230
 Ion Ratio Lower Upper
 43 100
 58 43.9 31.1 46.7



#54
 cis-1,3-Dichloropropene
 Concen: 6.213 ug/l
 RT: 9.88 min Scan# 2520
 Delta R.T. 0.07 min
 Lab File: VN062838.D
 Acq: 11 Aug 2020 18:44

Tgt Ion: 75 Resp: 17081
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.5 38.3#
 39 37.4 41.9 62.9#





#56

Ethyl methacrylate

Concen: 0.424 ug/l

RT: 10.53 min Scan# 2723

Delta R.T. 0.13 min

Lab File: VN062838.D

Acq: 11 Aug 2020 18:44

Instrument :

MSVOA_N

ClientSampled :

SS-TP-4

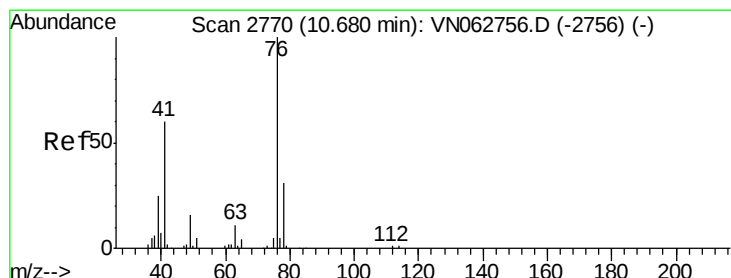
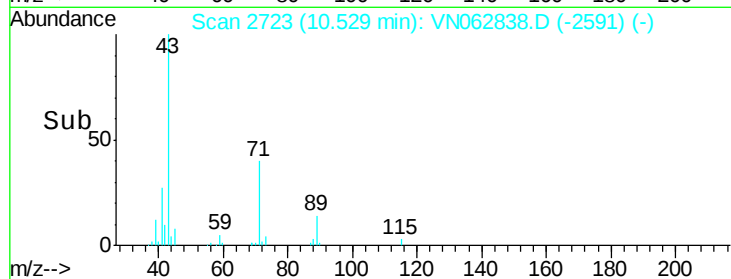
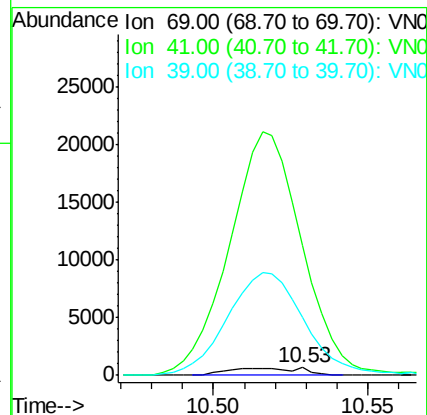
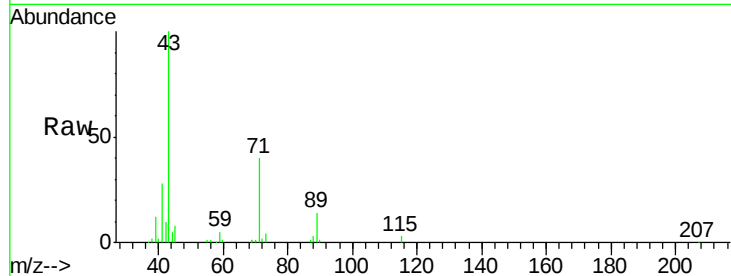
Tgt Ion: 69 Resp: 1053

Ion Ratio Lower Upper

69 100

41 3270.7 52.2 78.2#

39 1475.2 30.9 46.3#



#57

1,3-Dichloropropane

Concen: 1.000 ug/l

RT: 10.73 min Scan# 2787

Delta R.T. 0.05 min

Lab File: VN062838.D

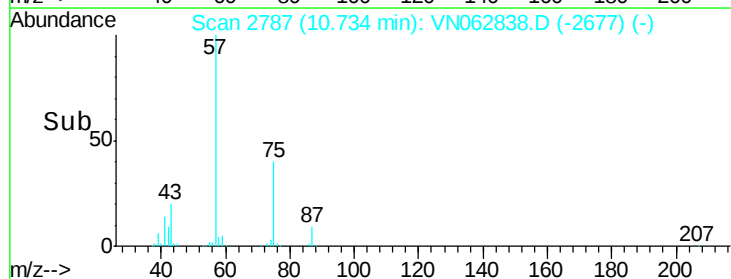
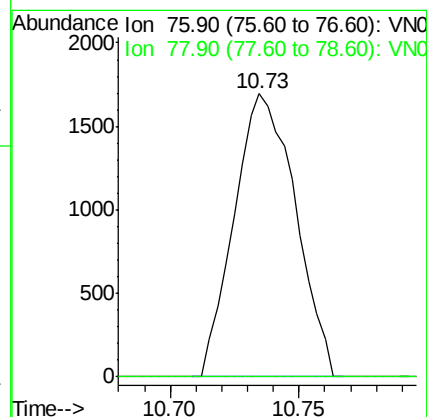
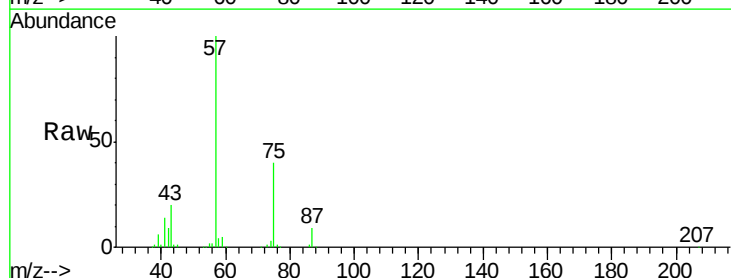
Acq: 11 Aug 2020 18:44

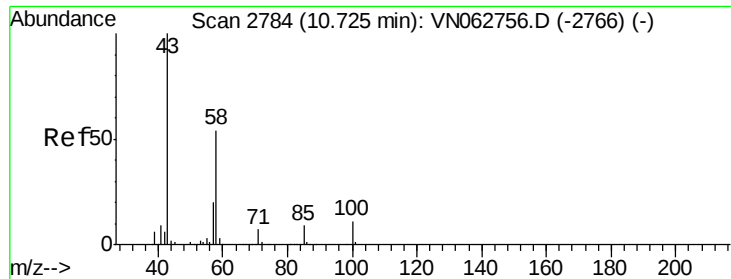
Tgt Ion: 76 Resp: 2800

Ion Ratio Lower Upper

76 100

78 0.0 25.4 38.0#

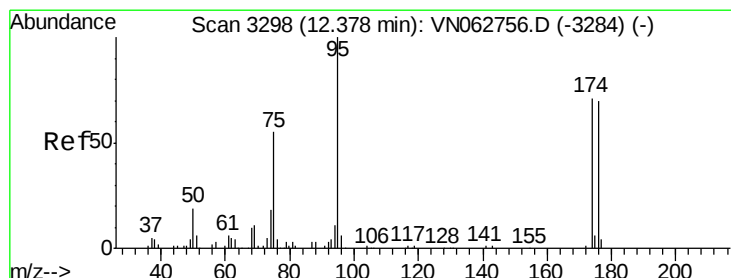
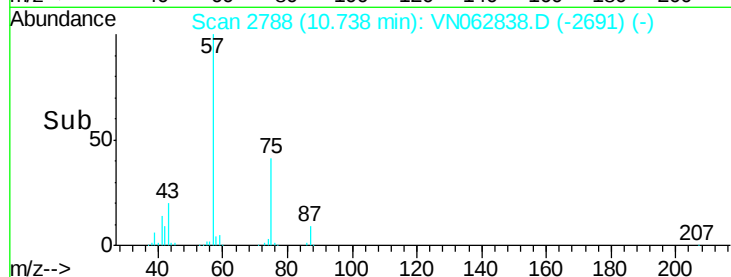
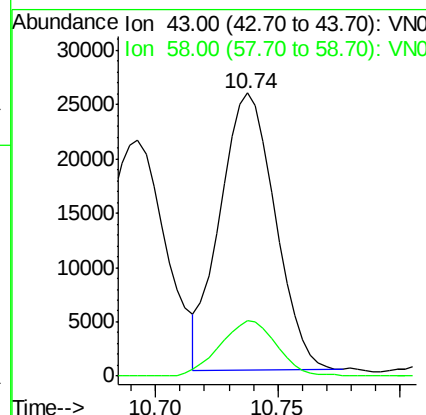
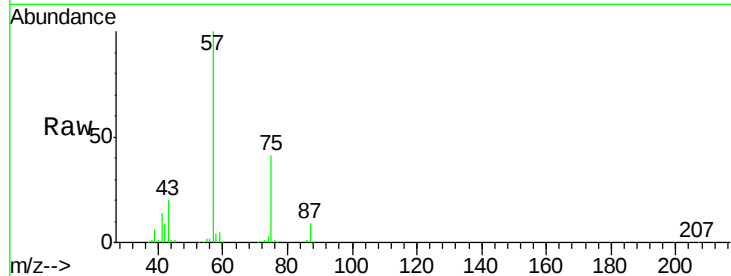




#59
2-Hexanone
Concen: 22.710 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. 0.01 min
Lab File: VN062838.D
Acq: 11 Aug 2020 18:44

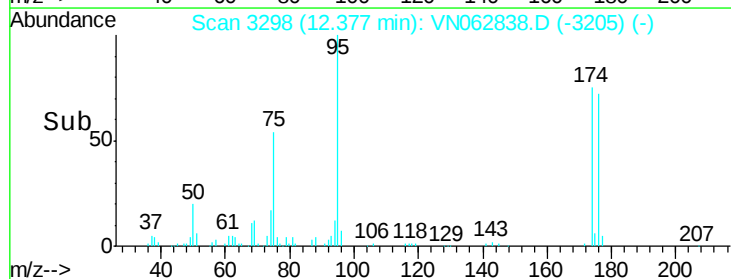
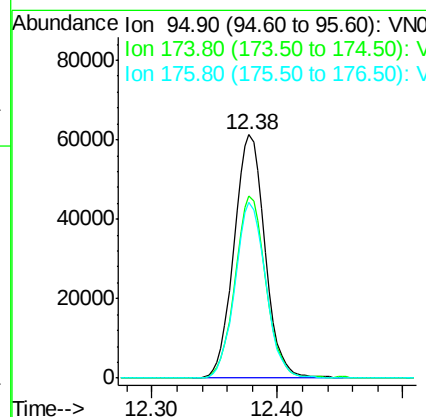
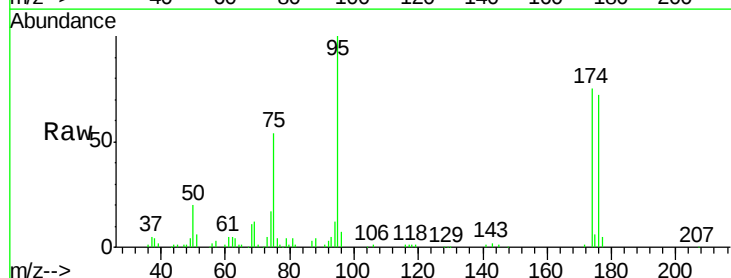
Instrument :
MSVOA_N
ClientSampleId :
SS-TP-4

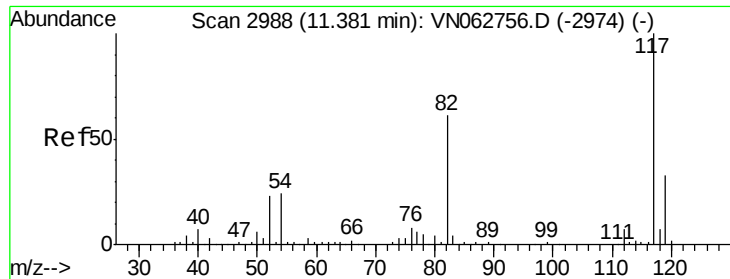
Tgt Ion: 43 Resp: 39999
Ion Ratio Lower Upper
43 100
58 20.7 26.7 80.1#



#62
4-Bromofluorobenzene
Concen: 48.337 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN062838.D
Acq: 11 Aug 2020 18:44

Tgt Ion: 95 Resp: 104933
Ion Ratio Lower Upper
95 100
174 74.1 0.0 144.8
176 71.4 0.0 142.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN062838.D

Acq: 11 Aug 2020 18:44

Instrument :

MSVOA_N

ClientSampleId :

SS-TP-4

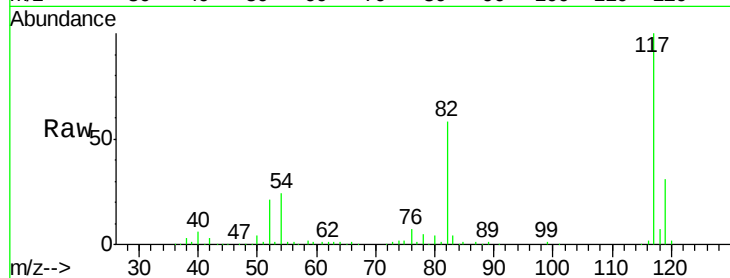
Tgt Ion:117 Resp: 228815

Ion Ratio Lower Upper

117 100

82 58.2 49.0 73.4

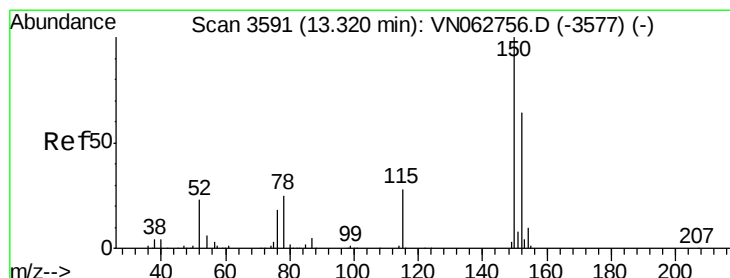
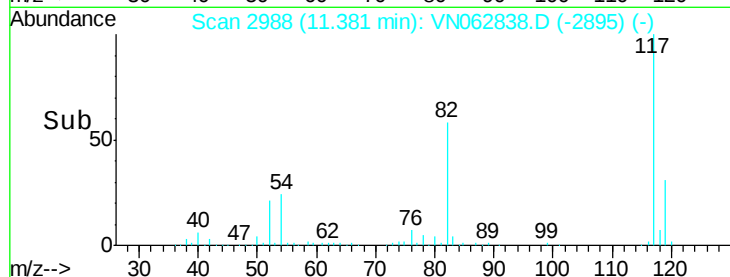
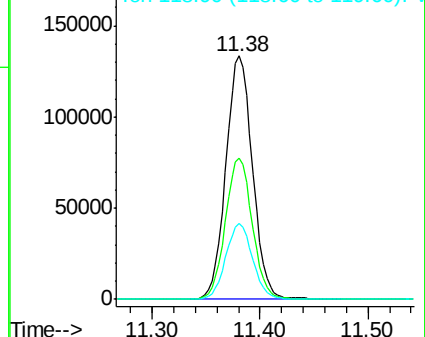
119 30.9 26.2 39.2



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: VN062838.D

Acq: 11 Aug 2020 18:44

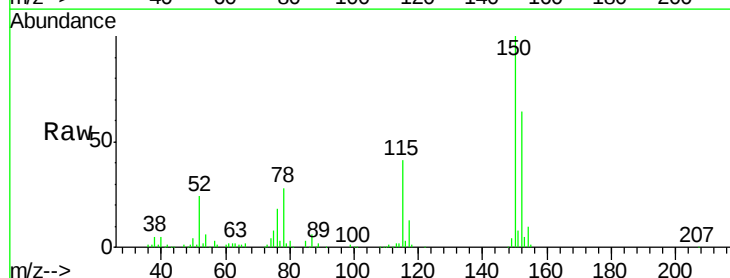
Tgt Ion:152 Resp: 80616

Ion Ratio Lower Upper

152 100

115 64.1 31.6 94.8

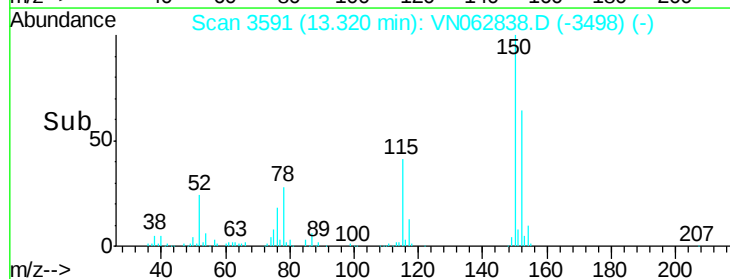
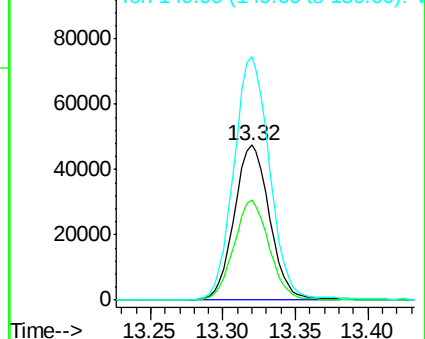
150 159.4 0.0 349.2

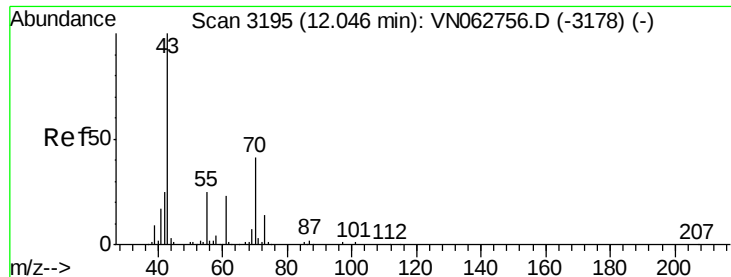


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

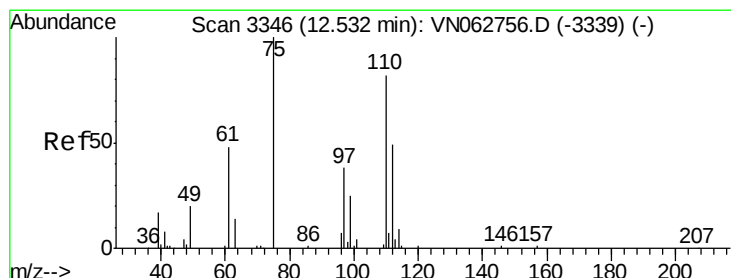
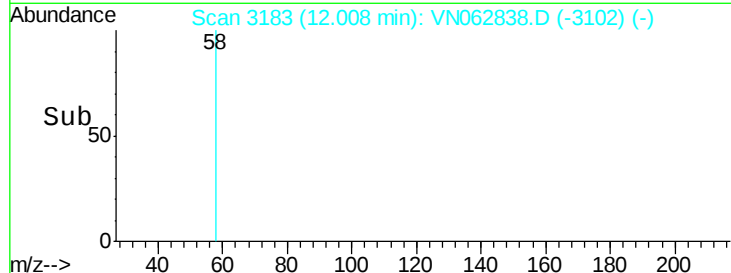
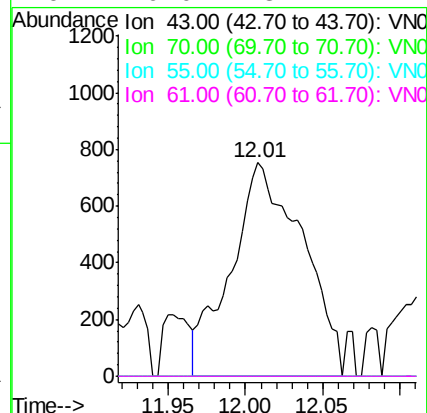
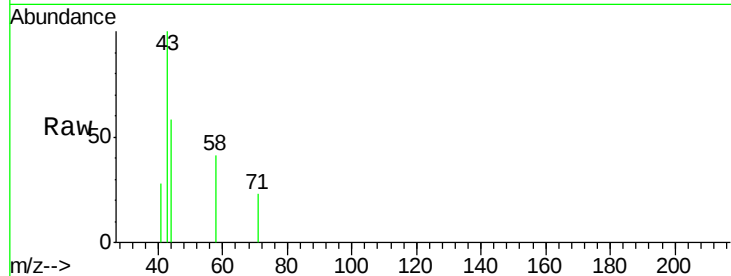




#74
N-ethyl acetate
Concen: 0.985 ug/l
RT: 12.01 min Scan# 3183
Delta R.T. -0.04 min
Lab File: VN062838.D
Acq: 11 Aug 2020 18:44

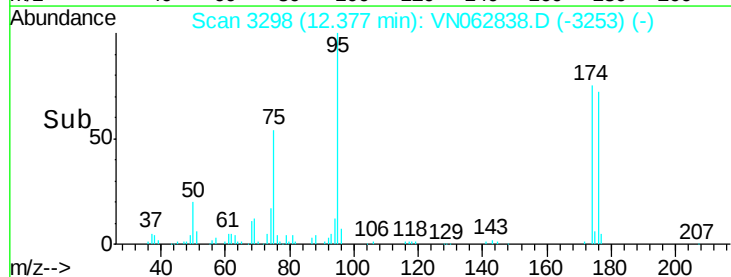
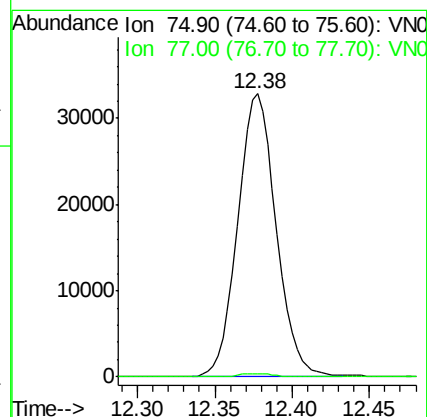
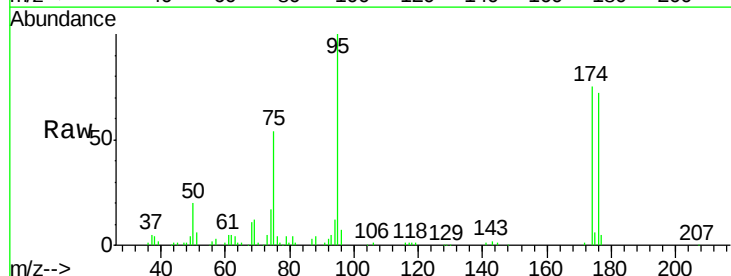
Instrument :
MSVOA_N
ClientSampled :
SS-TP-4

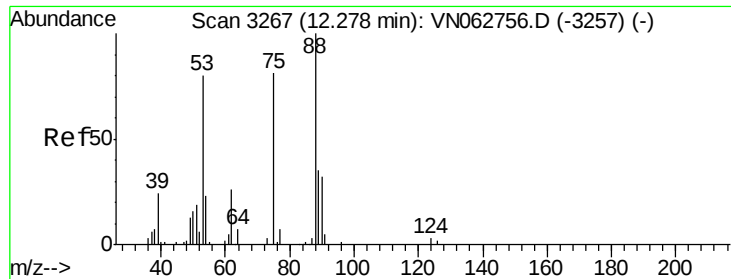
Tgt Ion: 43 Resp: 2423
Ion Ratio Lower Upper
43 100
70 0.0 32.3 48.5#
55 0.0 20.2 30.2#
61 0.0 18.2 27.4#



#76
1,2,3-Trichloropropane
Concen: 26.018 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.15 min
Lab File: VN062838.D
Acq: 11 Aug 2020 18:44

Tgt Ion: 75 Resp: 56567
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 79.427 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062838.D

Acq: 11 Aug 2020 18:44

Instrument :

MSVOA_N

ClientSampleId :

SS-TP-4

Tgt Ion: 75 Resp: 56567

Ion Ratio Lower Upper

75 100

53 0.0 79.1 118.7#

89 0.0 36.2 54.2#

