

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081120\
 Data File : VN062837.D
 Acq On : 11 Aug 2020 18:20
 Operator : JC/MD
 Sample : L3624-13
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SS-TP-3

Quant Time: Aug 11 21:23:21 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	123564	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	214272	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	227520	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	81331	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	105866	51.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.62%	
35) Dibromofluoromethane	7.55	113	75073	51.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.44%	
50) Toluene-d8	10.06	98	287102	50.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.34%	
62) 4-Bromofluorobenzene	12.38	95	106417	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	

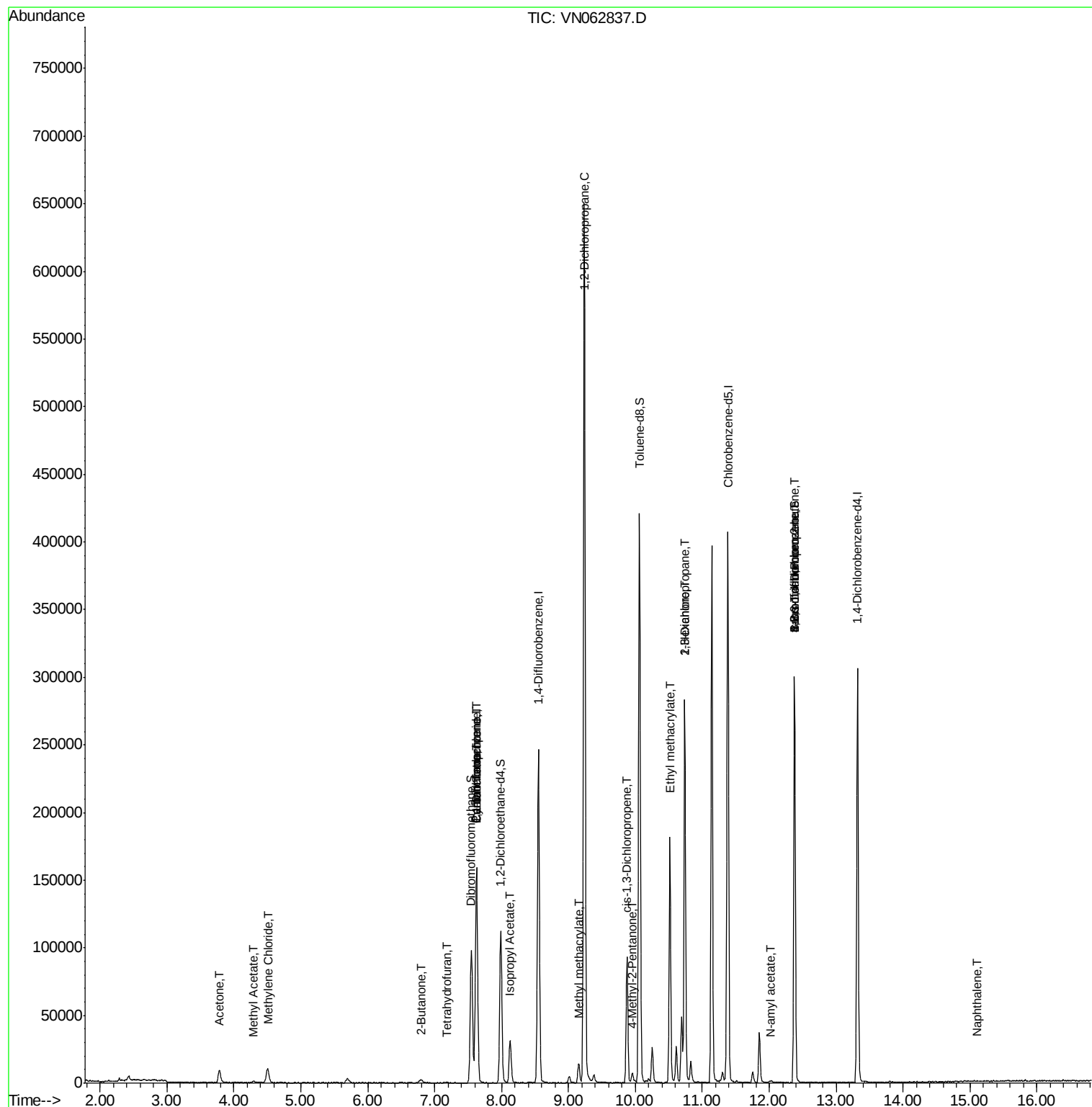
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	16585	22.462	ug/l	93
18) Methyl Acetate	4.29	43	2484	0.300	ug/l #	82
20) Methylene Chloride	4.51	84	8236	5.417	ug/l	94
25) 2-Butanone	6.80	43	2277	2.177	ug/l	98
29) Tetrahydrofuran	7.17	42	460	0.677	ug/l #	44
31) Cyclohexane	7.63	56	2848	1.150	ug/l #	31
36) 1,1-Dichloropropene	7.63	75	10357	4.964	ug/l #	51
38) Carbon Tetrachloride	7.63	117	13810	5.597	ug/l #	14
43) Isopropyl Acetate	8.13	43	36215	9.962	ug/l	98
45) 1,2-Dichloropropane	9.24	63	750	0.445	ug/l #	45
48) Methyl methacrylate	9.14	41	2234	1.249	ug/l #	13
51) 4-Methyl-2-Pentanone	9.95	43	5415	2.302	ug/l	89
54) cis-1,3-Dichloropropene	9.88	75	16030	5.854	ug/l #	66
56) Ethyl methacrylate	10.52	69	1270	0.514	ug/l #	1
57) 1,3-Dichloropropane	10.73	76	2661	0.954	ug/l #	43
59) 2-Hexanone	10.74	43	40350	22.998	ug/l #	53
71) Bromoform	12.38	173	510	0.326	ug/l #	1
74) N-amyl acetate	12.00	43	739	0.298	ug/l #	44
76) 1,2,3-Trichloropropane	12.38	75	59216	26.997	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	59216	82.415	ug/l #	10
95) Naphthalene	15.11	128	100	3.733	ug/l #	68

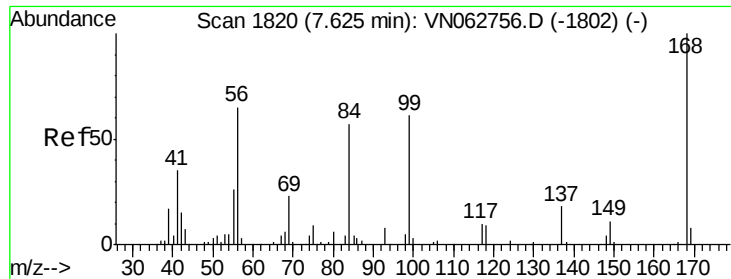
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Aug 05 13:26:42 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: VN062837.D

Acq: 11 Aug 2020 18:20

Instrument :

MSVOA_N

ClientSampleId :

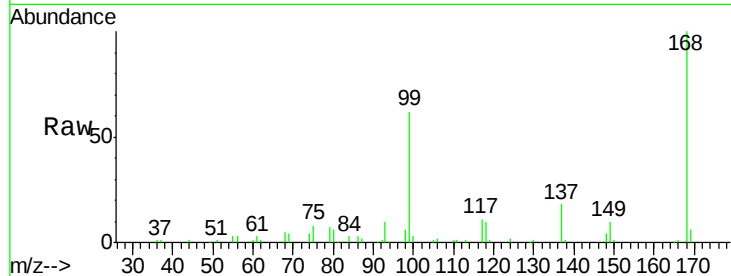
SS-TP-3

Tgt Ion:168 Resp: 123564

Ion Ratio Lower Upper

168 100

99 62.2 52.9 79.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

60000

50000

40000

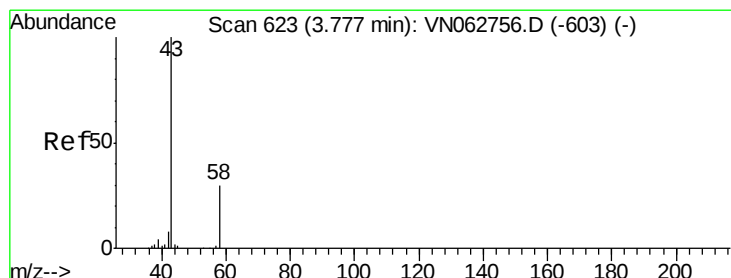
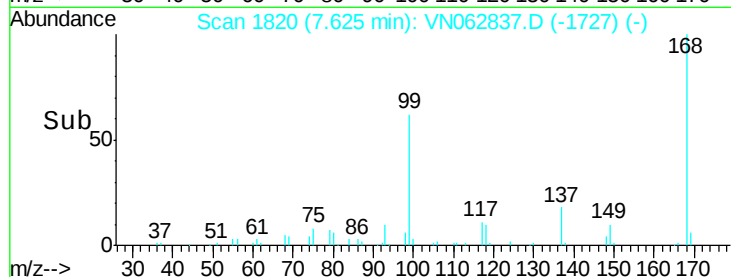
30000

20000

10000

0

Time--> 7.50 7.60 7.70



#16

Acetone

Concen: 22.462 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN062837.D

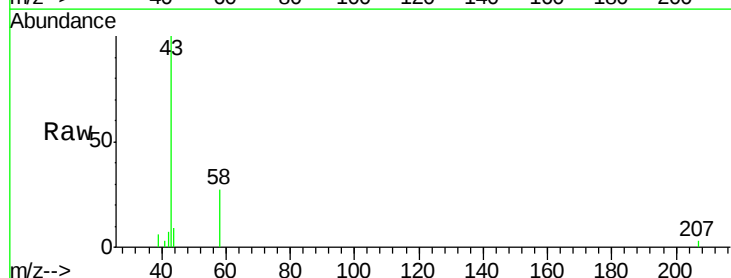
Acq: 11 Aug 2020 18:20

Tgt Ion: 43 Resp: 16585

Ion Ratio Lower Upper

43 100

58 26.5 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

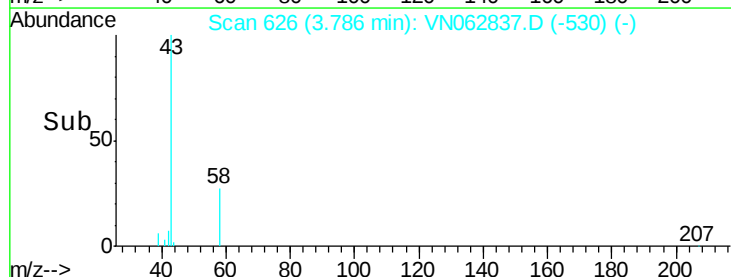
6000

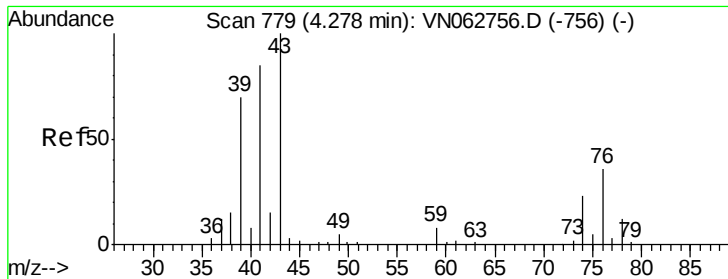
4000

2000

0

Time--> 3.70 3.75 3.80 3.85 3.90

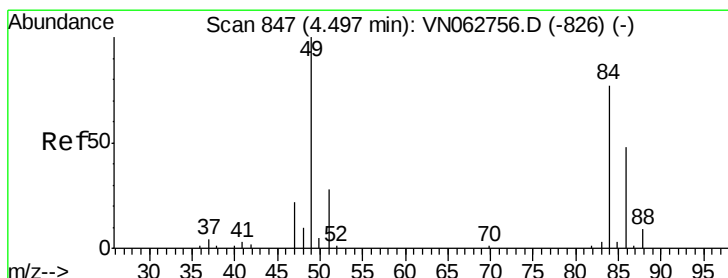
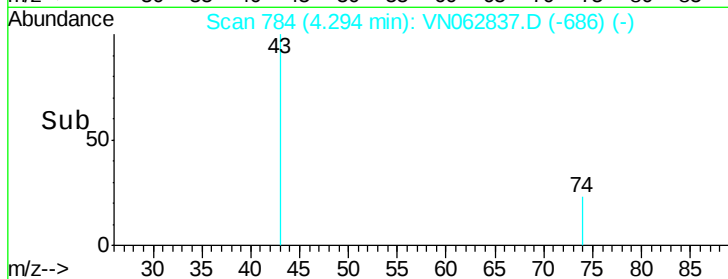
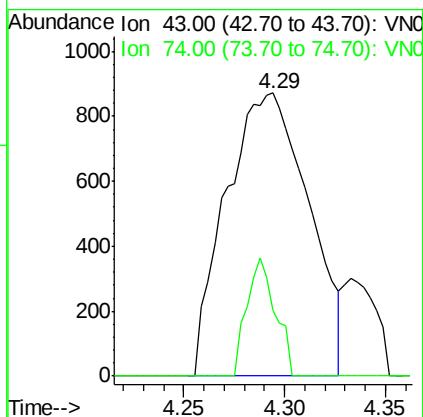
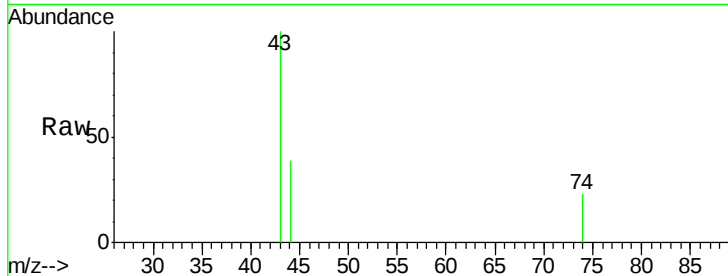




#18
Methyl Acetate
Concen: 0.300 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.02 min
Lab File: VN062837.D
Acq: 11 Aug 2020 18:20

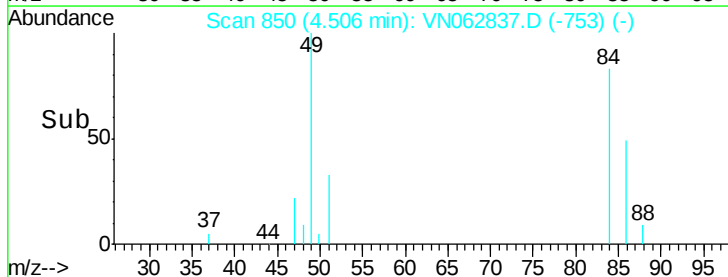
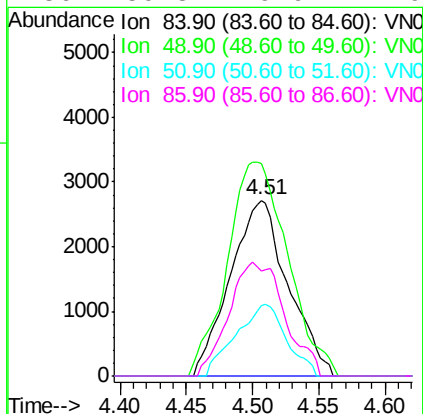
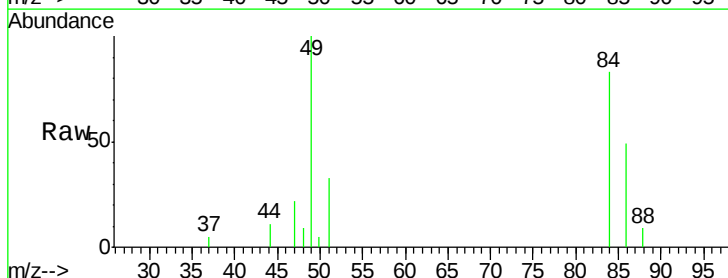
Instrument :
MSVOA_N
ClientSampled :
SS-TP-3

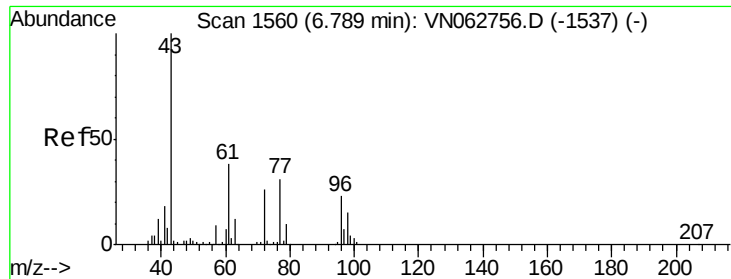
Tgt Ion: 43 Resp: 2484
Ion Ratio Lower Upper
43 100
74 14.6 18.6 28.0#



#20
Methylene Chloride
Concen: 5.417 ug/l
RT: 4.51 min Scan# 850
Delta R.T. 0.01 min
Lab File: VN062837.D
Acq: 11 Aug 2020 18:20

Tgt Ion: 84 Resp: 8236
Ion Ratio Lower Upper
84 100
49 121.1 103.4 155.2
51 39.9 29.3 43.9
86 59.8 49.9 74.9

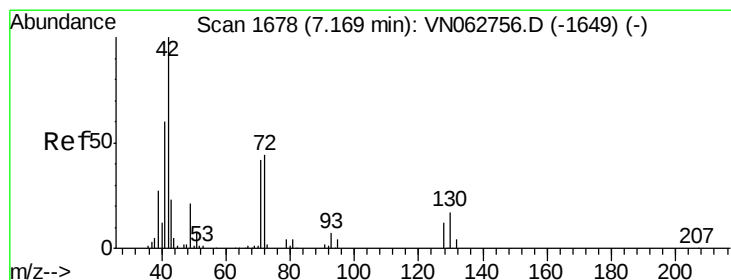
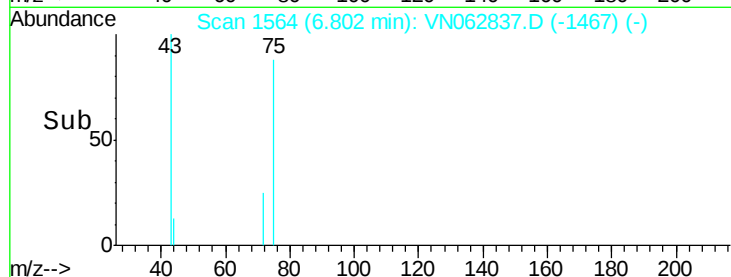
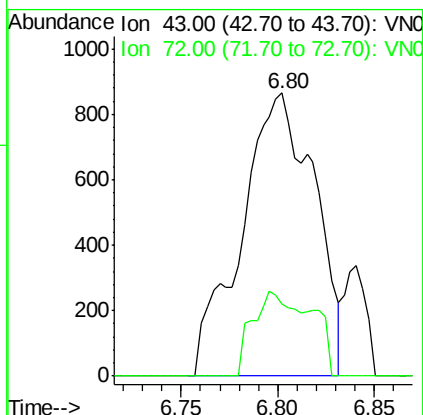
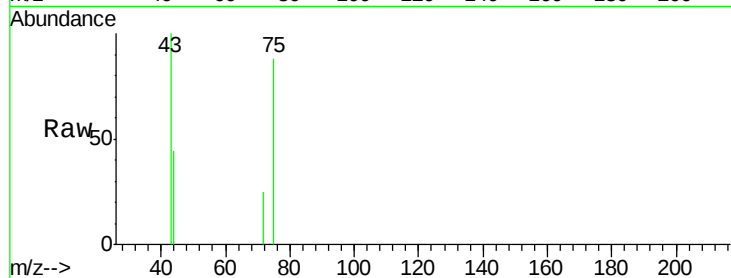




#25
2-Butanone
Concen: 2.177 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VN062837.D
Acq: 11 Aug 2020 18:20

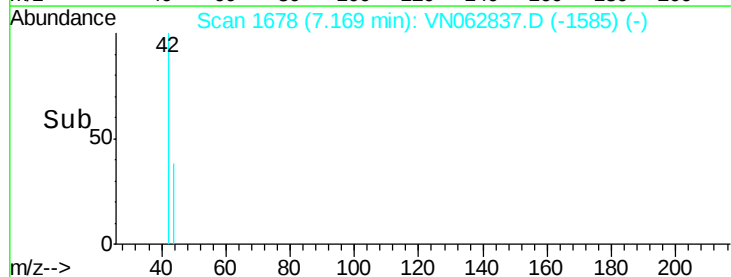
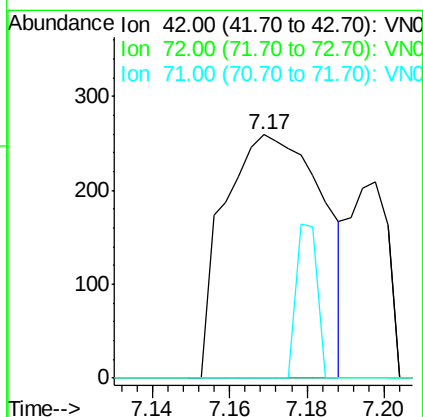
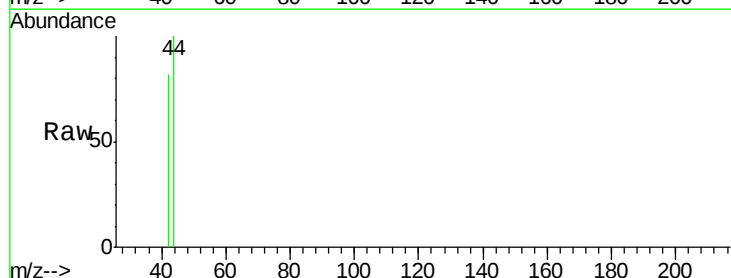
Instrument :
MSVOA_N
ClientSampleId :
SS-TP-3

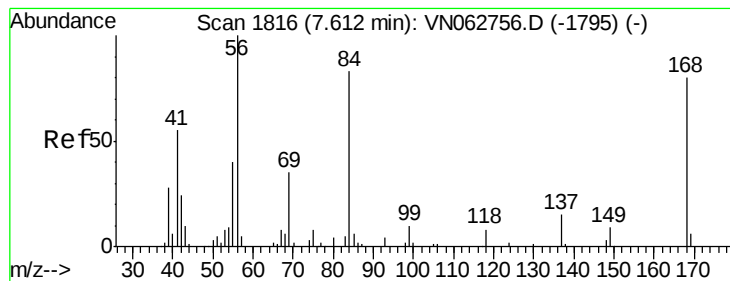
Tgt Ion: 43 Resp: 2277
Ion Ratio Lower Upper
43 100
72 25.4 21.1 31.7



#29
Tetrahydrofuran
Concen: 0.677 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN062837.D
Acq: 11 Aug 2020 18:20

Tgt Ion: 42 Resp: 460
Ion Ratio Lower Upper
42 100
72 0.0 35.0 52.4#
71 13.7 33.2 49.8#





#31

Cyclohexane

Concen: 1.150 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.01 min

Lab File: VN062837.D

Acq: 11 Aug 2020 18:20

Instrument :

MSVOA_N

ClientSampleId :

SS-TP-3

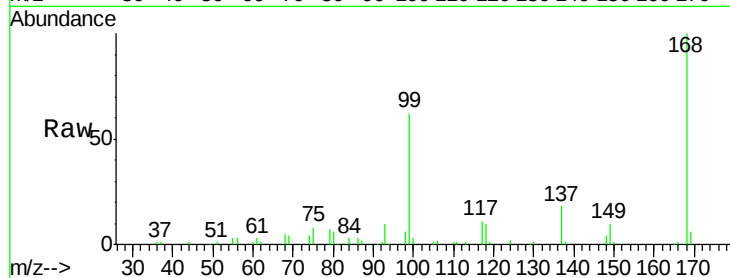
Tgt Ion: 56 Resp: 2848

Ion Ratio Lower Upper

56 100

69 153.8 28.1 42.1#

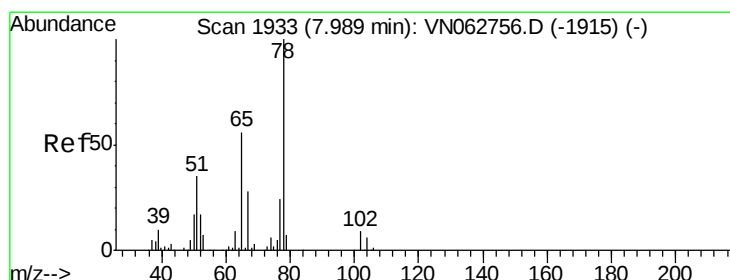
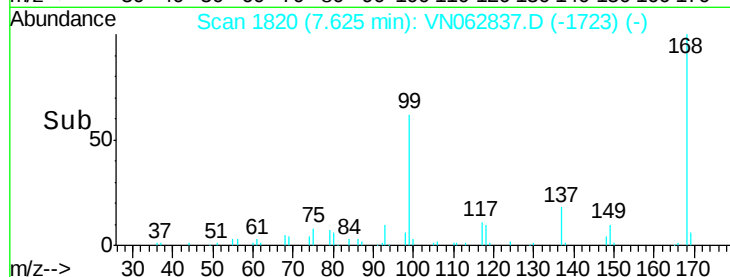
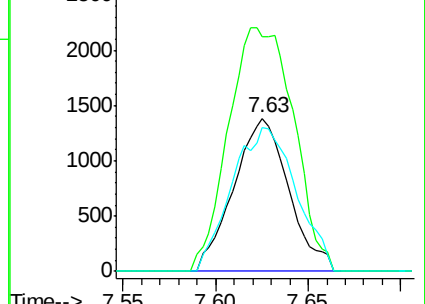
84 94.1 66.8 100.2



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: 51.810 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN062837.D

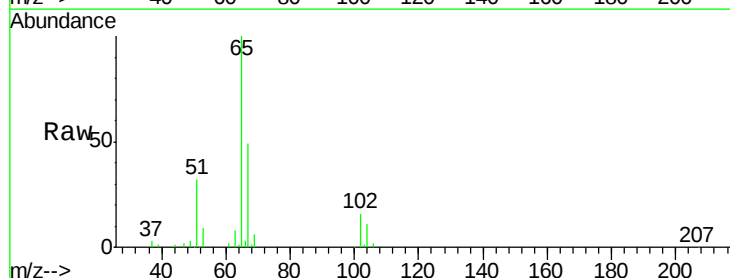
Acq: 11 Aug 2020 18:20

Tgt Ion: 65 Resp: 105866

Ion Ratio Lower Upper

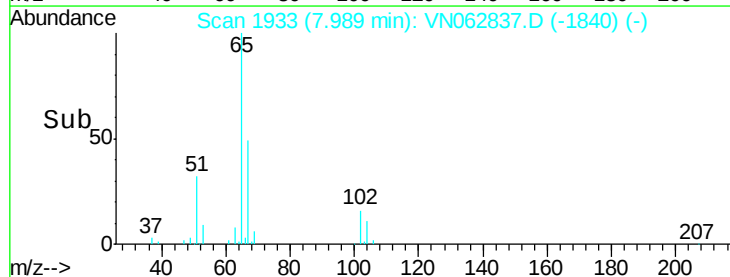
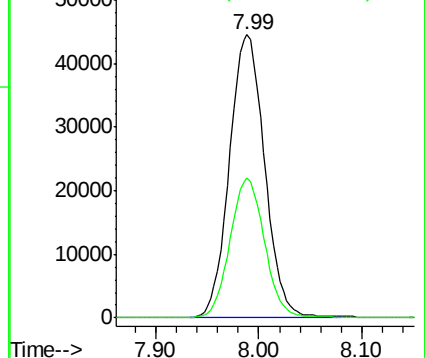
65 100

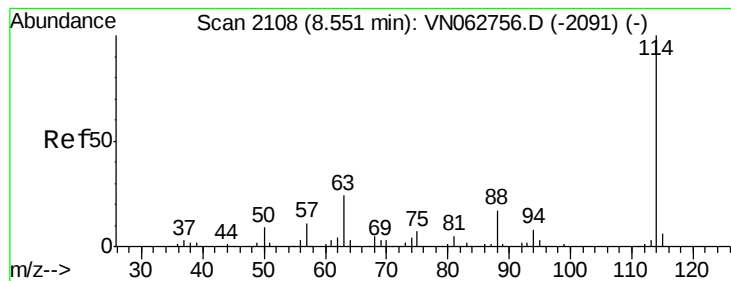
67 48.4 0.0 101.4



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: VN062837.D

Acq: 11 Aug 2020 18:20

Instrument :

MSVOA_N

ClientSampleId :

SS-TP-3

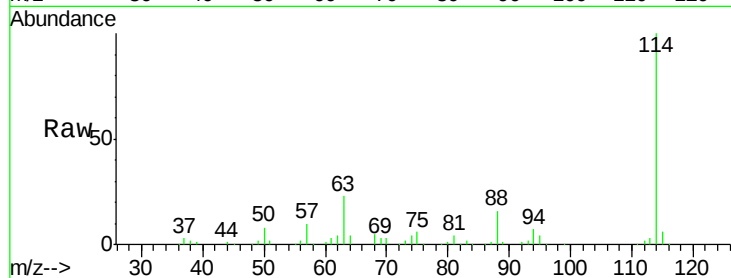
Tgt Ion:114 Resp: 214272

Ion Ratio Lower Upper

114 100

63 22.8 0.0 47.6

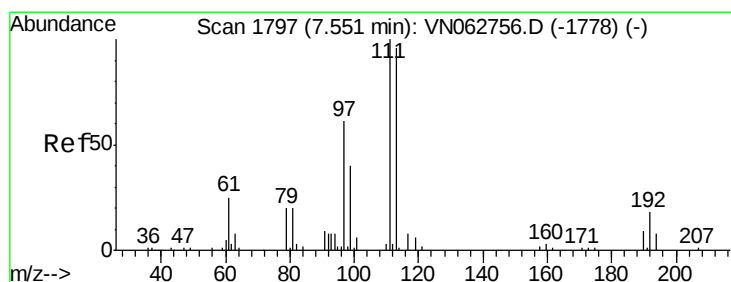
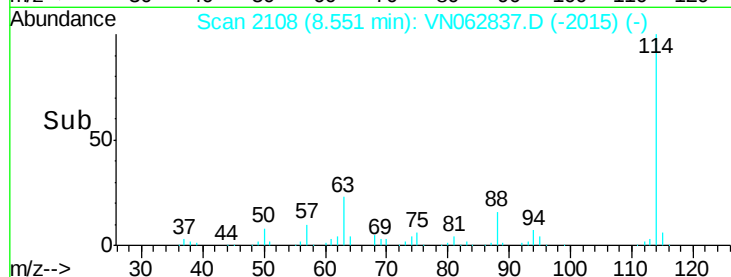
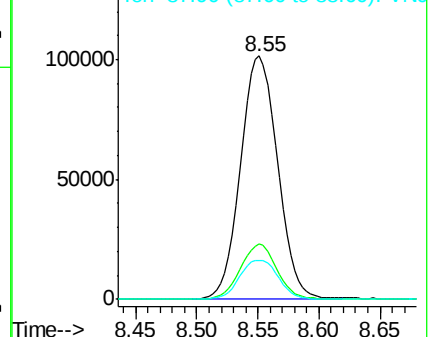
88 16.1 0.0 34.4



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: 51.218 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN062837.D

Acq: 11 Aug 2020 18:20

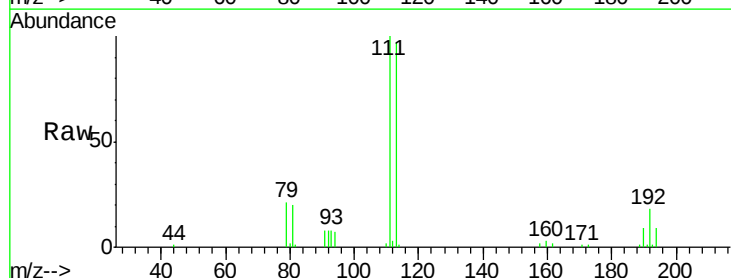
Tgt Ion:113 Resp: 75073

Ion Ratio Lower Upper

113 100

111 101.3 81.8 122.6

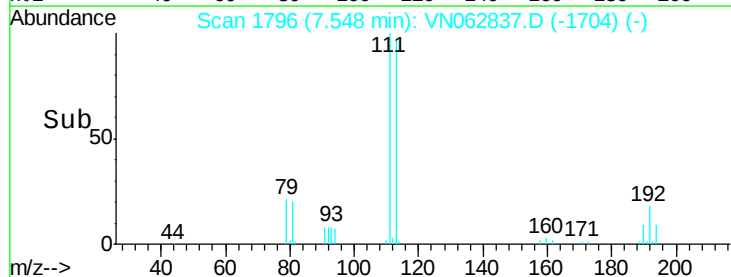
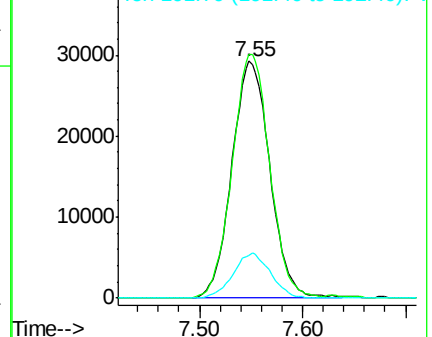
192 18.5 15.0 22.4

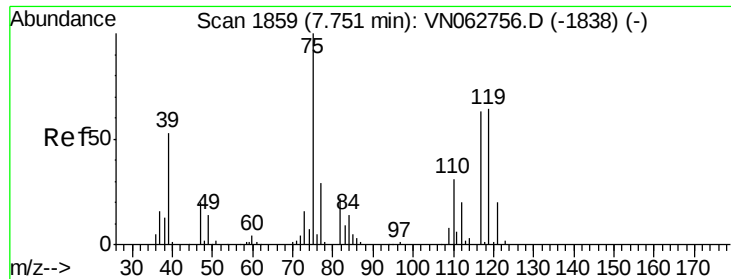


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

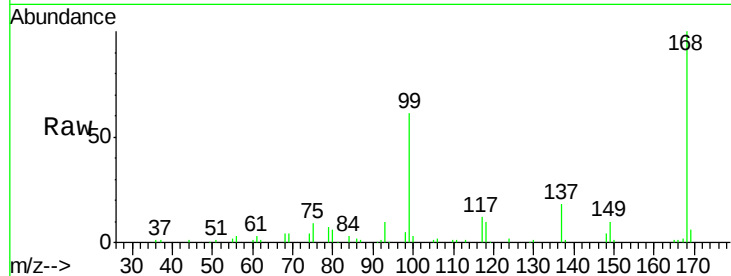




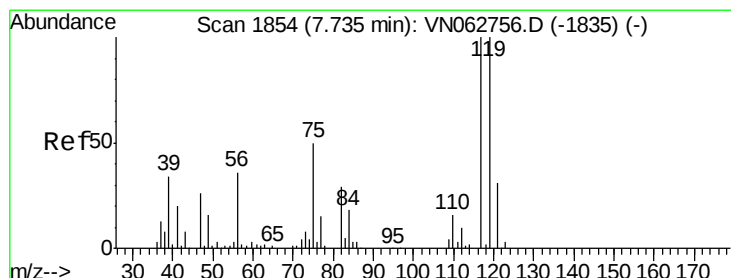
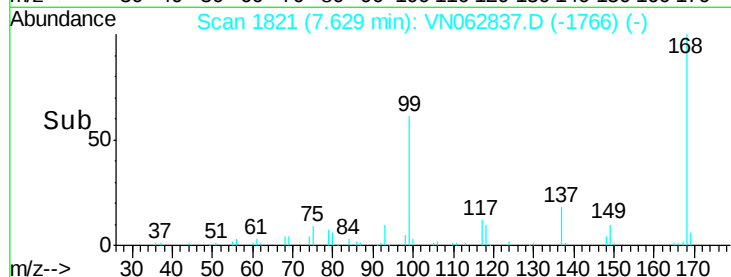
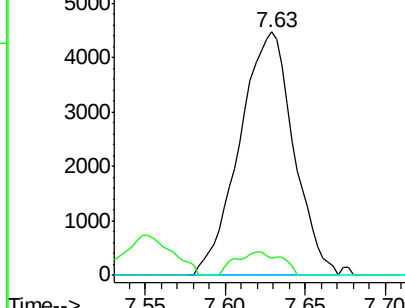
#36
 1,1-Dichloropropene
 Concen: 4.964 ug/l
 RT: 7.63 min Scan# 1821
 Delta R.T. -0.12 min
 Lab File: VN062837.D
 Acq: 11 Aug 2020 18:20

Instrument :
 MSVOA_N
 ClientSampleId :
 SS-TP-3

Tgt Ion: 75 Resp: 10357
 Ion Ratio Lower Upper
 75 100
 110 8.1 15.6 46.7#
 77 0.0 24.1 36.1#

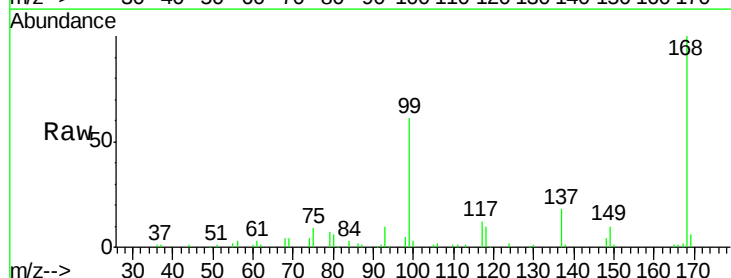


Abundance Ion 74.90 (74.60 to 75.60): VN062837.D (-1766) (-)
 Ion 109.90 (109.60 to 110.60): VN062837.D (-1766) (-)
 Ion 76.90 (76.60 to 77.60): VN062837.D (-1766) (-)

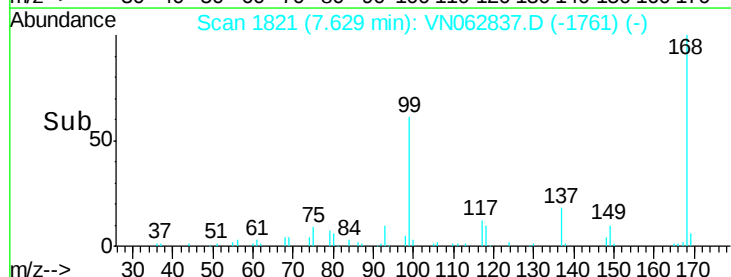
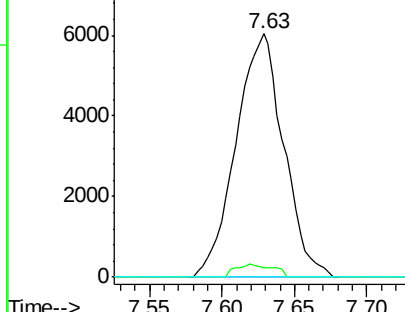


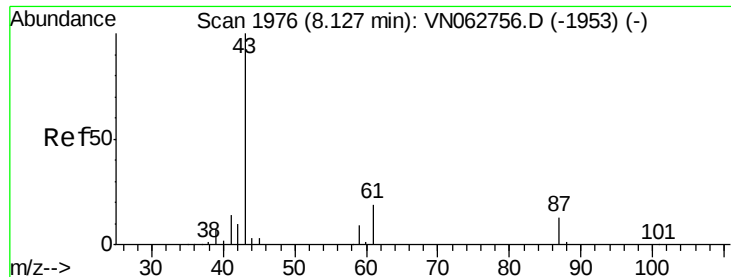
#38
 Carbon Tetrachloride
 Concen: 5.597 ug/l
 RT: 7.63 min Scan# 1821
 Delta R.T. -0.11 min
 Lab File: VN062837.D
 Acq: 11 Aug 2020 18:20

Tgt Ion: 117 Resp: 13810
 Ion Ratio Lower Upper
 117 100
 119 4.1 79.4 119.2#
 121 0.0 24.9 37.3#



Abundance Ion 116.80 (116.50 to 117.50): VN062837.D (-1761) (-)
 Ion 118.80 (118.50 to 119.50): VN062837.D (-1761) (-)
 Ion 120.80 (120.50 to 121.50): VN062837.D (-1761) (-)





#43

Isopropyl Acetate

Concen: 9.962 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN062837.D

Acq: 11 Aug 2020 18:20

Instrument :

MSVOA_N

ClientSampleId :

SS-TP-3

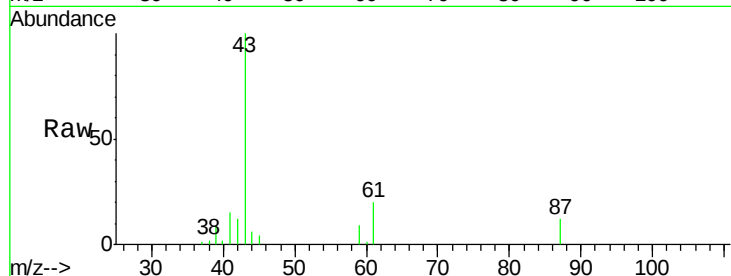
Tgt Ion: 43 Resp: 36215

Ion Ratio Lower Upper

43 100

61 20.3 15.8 23.6

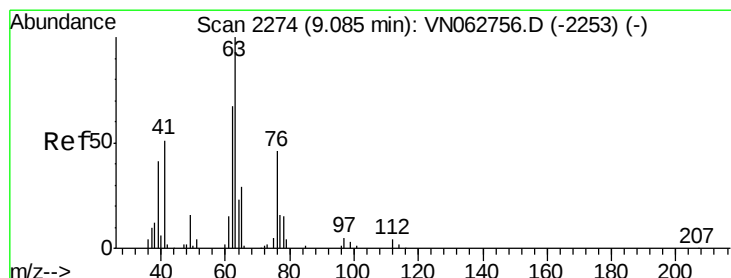
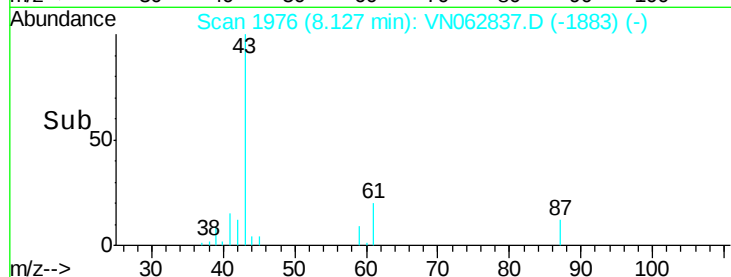
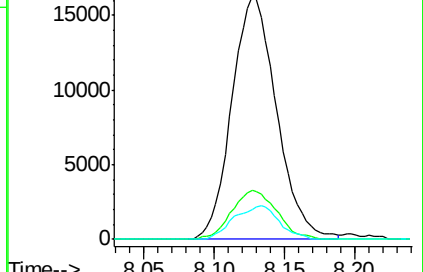
87 13.9 9.9 14.9



Abundance Ion 43.00 (42.70 to 43.70): VN062837.D (-1883) (-)

Ion 61.00 (60.70 to 61.70): VN062837.D (-1883) (-)

Ion 87.00 (86.70 to 87.70): VN062837.D (-1883) (-)



#45

1,2-Dichloropropane

Concen: 0.445 ug/l

RT: 9.24 min Scan# 2321

Delta R.T. 0.15 min

Lab File: VN062837.D

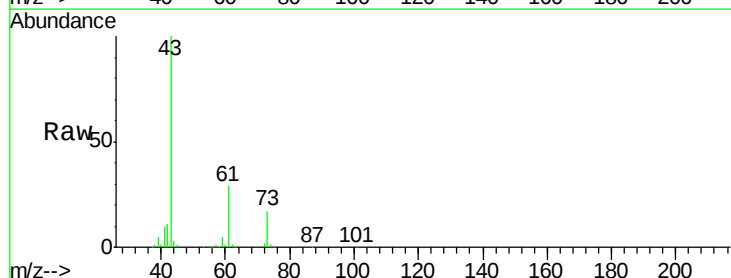
Acq: 11 Aug 2020 18:20

Tgt Ion: 63 Resp: 750

Ion Ratio Lower Upper

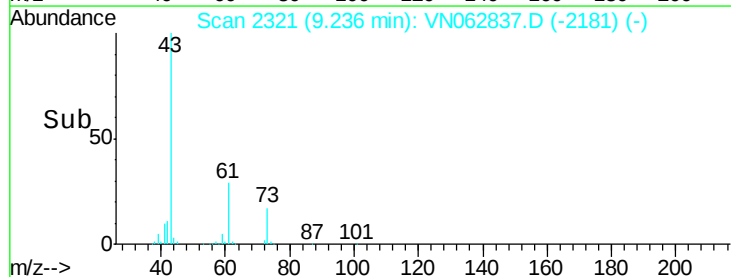
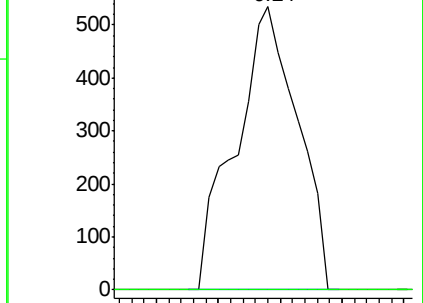
63 100

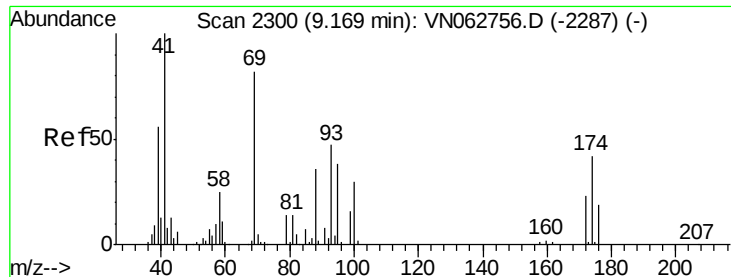
65 0.0 23.5 35.3#



Abundance Ion 62.90 (62.60 to 63.60): VN062837.D (-2181) (-)

Ion 64.90 (64.60 to 65.60): VN062837.D (-2181) (-)

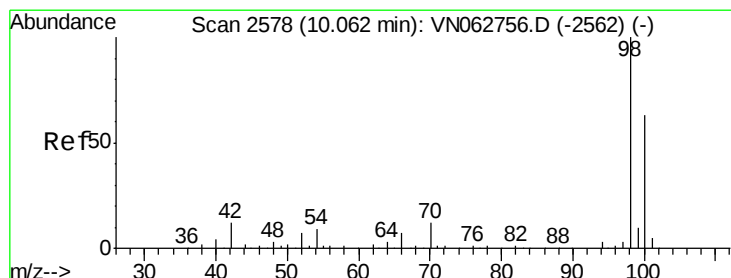
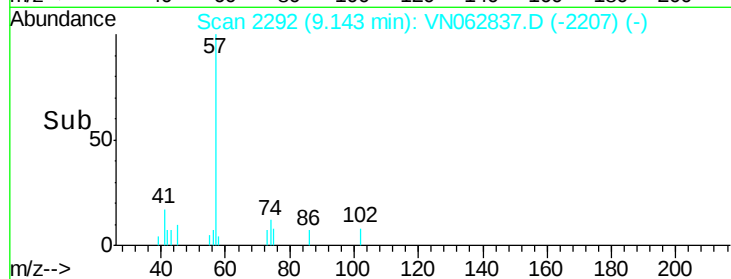
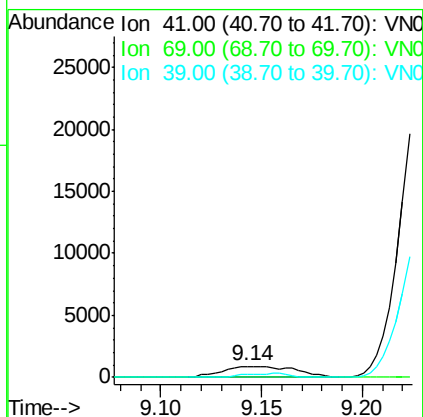
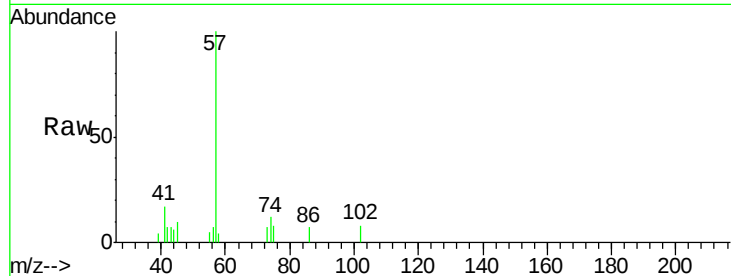




#48
Methyl methacrylate
Concen: 1.249 ug/l
RT: 9.14 min Scan# 2292
Delta R.T. -0.03 min
Lab File: VN062837.D
Acq: 11 Aug 2020 18:20

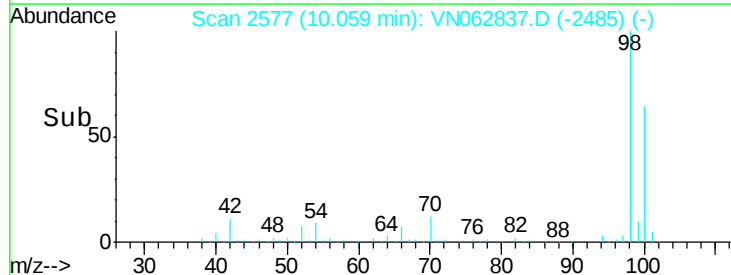
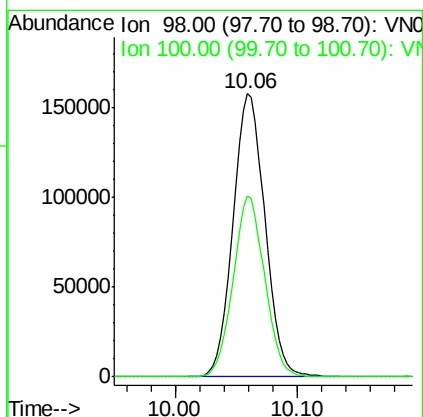
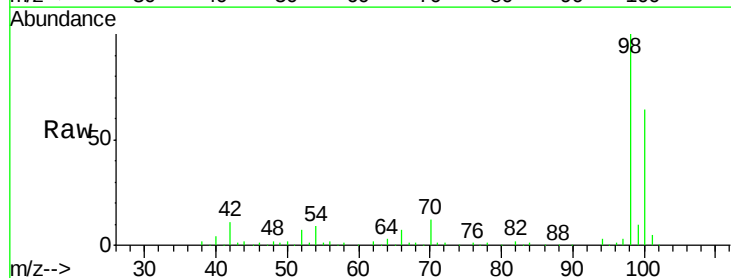
Instrument :
MSVOA_N
ClientSampled :
SS-TP-3

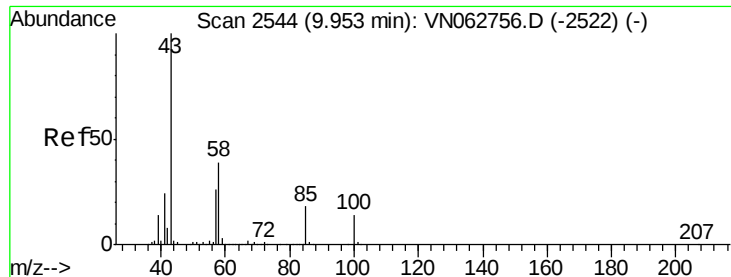
Tgt Ion: 41 Resp: 2234
Ion Ratio Lower Upper
41 100
69 0.0 67.4 101.2#
39 0.0 47.6 71.4#



#50
Toluene-d8
Concen: 50.172 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062837.D
Acq: 11 Aug 2020 18:20

Tgt Ion: 98 Resp: 287102
Ion Ratio Lower Upper
98 100
100 63.0 50.9 76.3

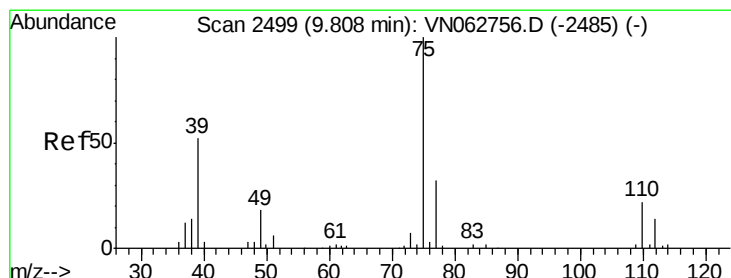
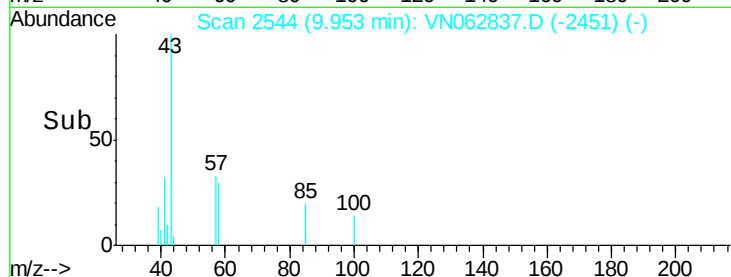
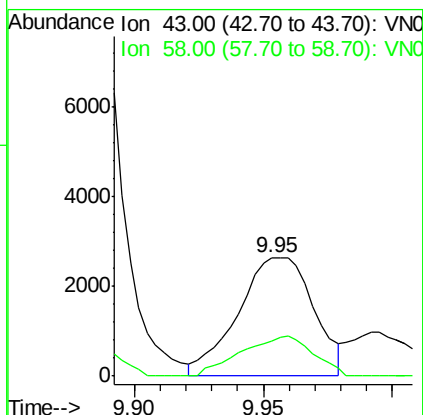
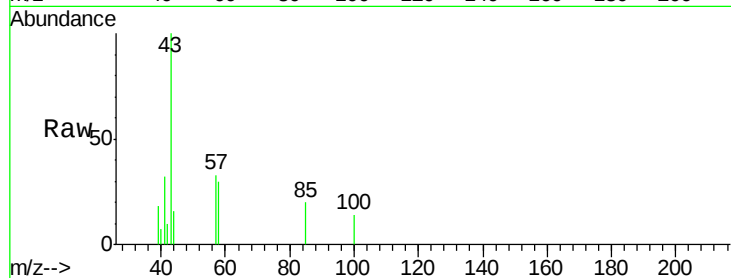




#51
 4-Methyl-2-Pentanone
 Concen: 2.302 ug/l
 RT: 9.95 min Scan# 2544
 Delta R.T. 0.00 min
 Lab File: VN062837.D
 Acq: 11 Aug 2020 18:20

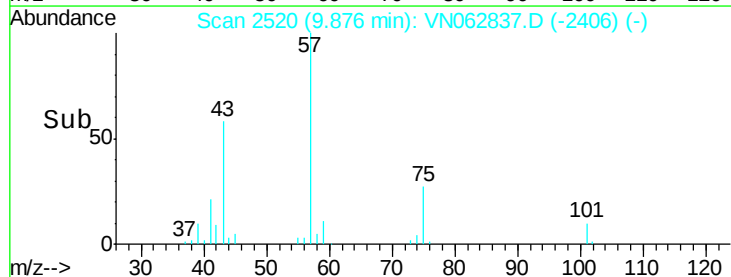
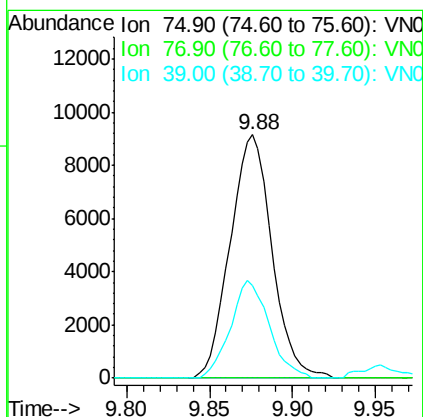
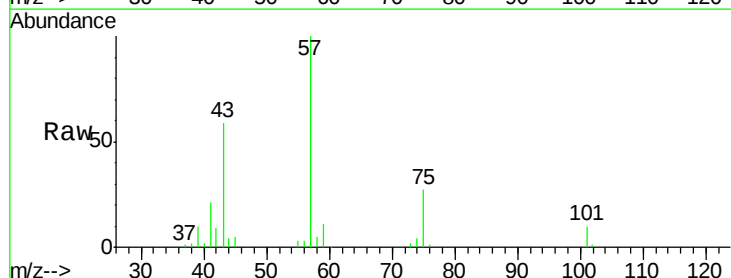
Instrument :
 MSVOA_N
 ClientSampled :
 SS-TP-3

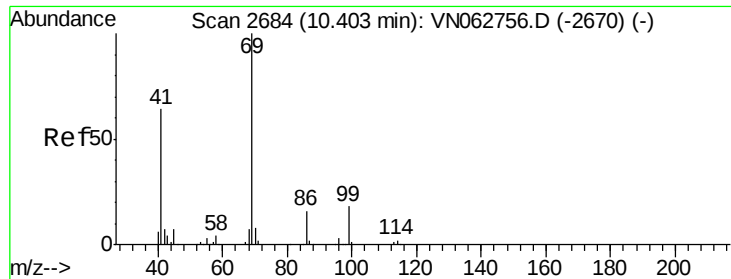
Tgt Ion: 43 Resp: 5415
 Ion Ratio Lower Upper
 43 100
 58 32.4 31.1 46.7



#54
 cis-1,3-Dichloropropene
 Concen: 5.854 ug/l
 RT: 9.88 min Scan# 2520
 Delta R.T. 0.07 min
 Lab File: VN062837.D
 Acq: 11 Aug 2020 18:20

Tgt Ion: 75 Resp: 16030
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.5 38.3#
 39 38.1 41.9 62.9#





#56

Ethyl methacrylate

Concen: 0.514 ug/l

RT: 10.52 min Scan# 2719

Delta R.T. 0.11 min

Lab File: VN062837.D

Acq: 11 Aug 2020 18:20

Instrument :

MSVOA_N

ClientSampled :

SS-TP-3

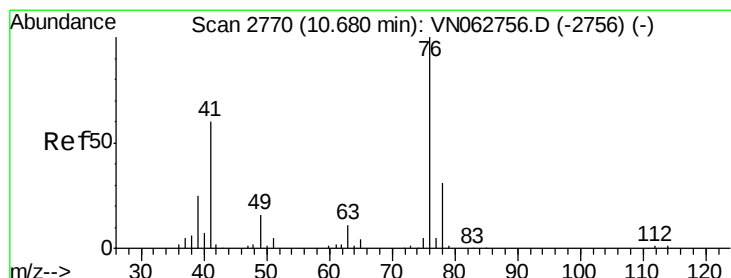
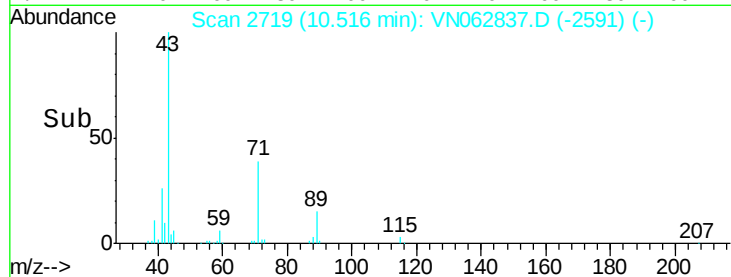
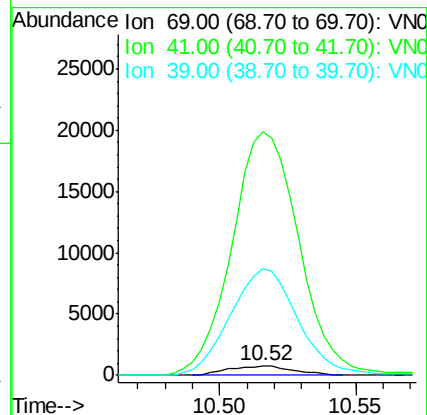
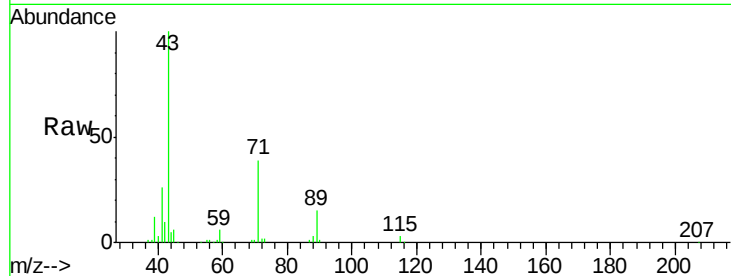
Tgt Ion: 69 Resp: 1270

Ion Ratio Lower Upper

69 100

41 2671.7 52.2 78.2#

39 1177.6 30.9 46.3#



#57

1,3-Dichloropropane

Concen: 0.954 ug/l

RT: 10.73 min Scan# 2787

Delta R.T. 0.05 min

Lab File: VN062837.D

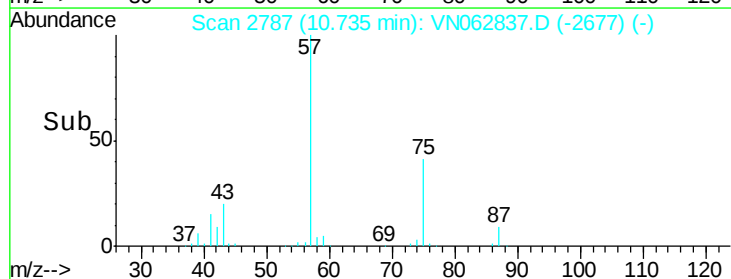
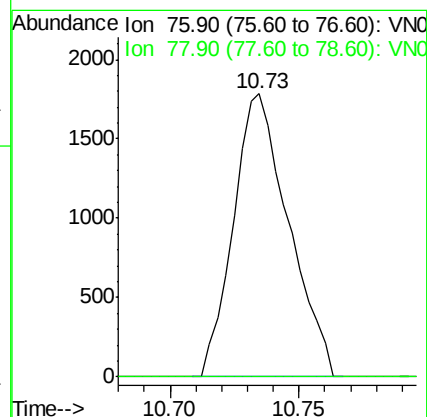
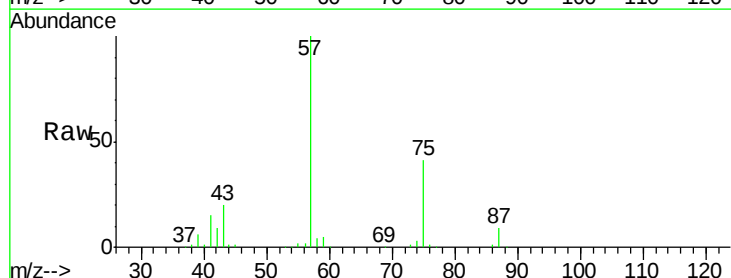
Acq: 11 Aug 2020 18:20

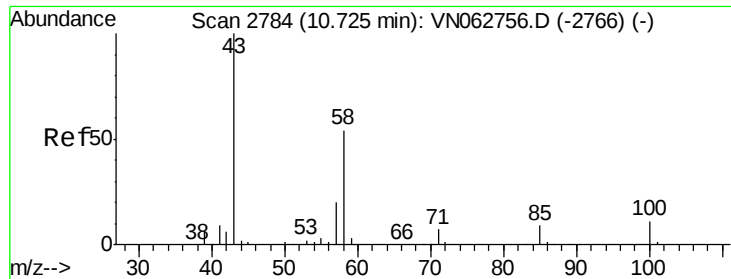
Tgt Ion: 76 Resp: 2661

Ion Ratio Lower Upper

76 100

78 0.0 25.4 38.0#

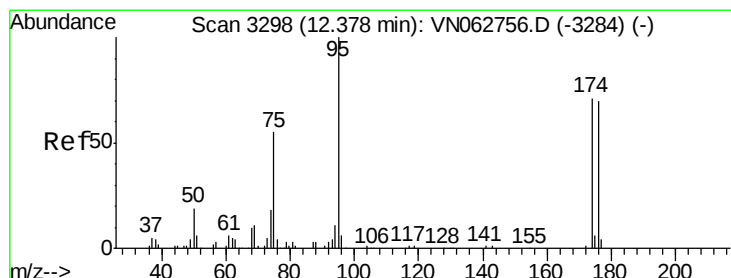
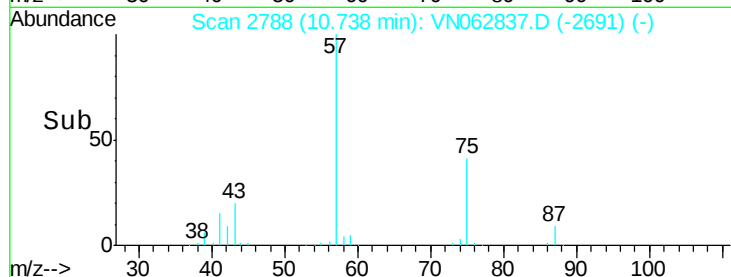
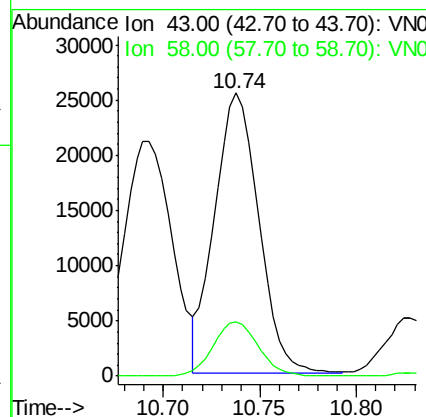
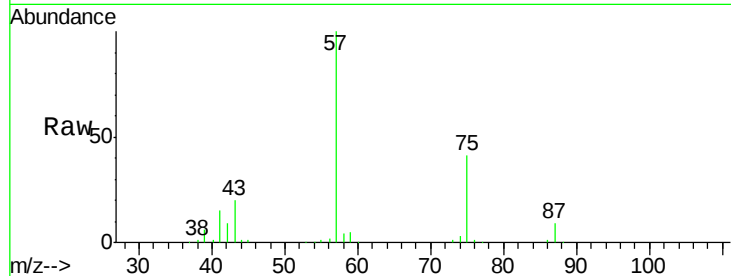




#59
2-Hexanone
Concen: 22.998 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. 0.01 min
Lab File: VN062837.D
Acq: 11 Aug 2020 18:20

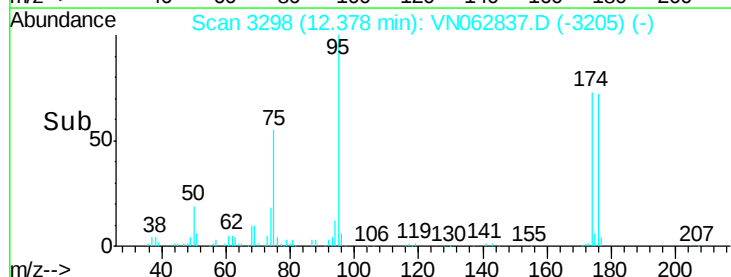
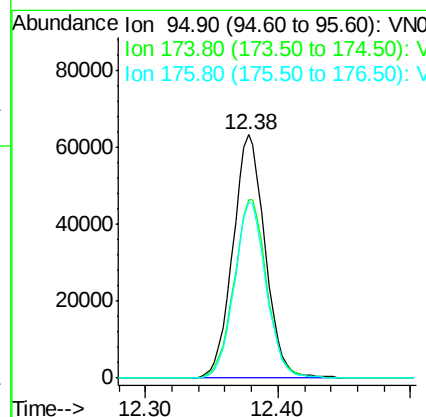
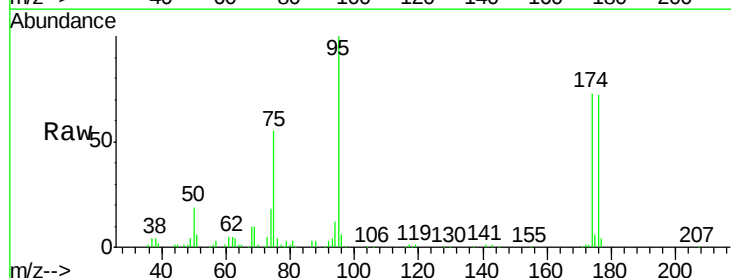
Instrument :
MSVOA_N
ClientSampled :
SS-TP-3

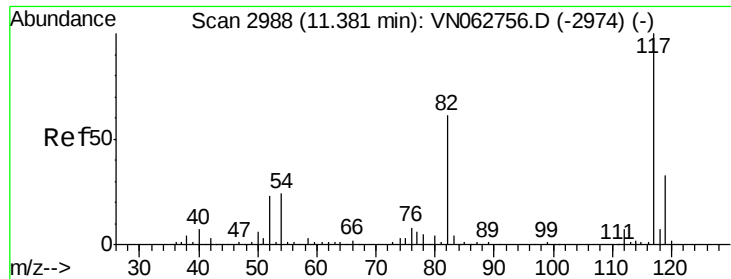
Tgt Ion: 43 Resp: 40350
Ion Ratio Lower Upper
43 100
58 20.1 26.7 80.1#



#62
4-Bromofluorobenzene
Concen: 49.211 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN062837.D
Acq: 11 Aug 2020 18:20

Tgt Ion: 95 Resp: 106417
Ion Ratio Lower Upper
95 100
174 74.7 0.0 144.8
176 71.4 0.0 142.2

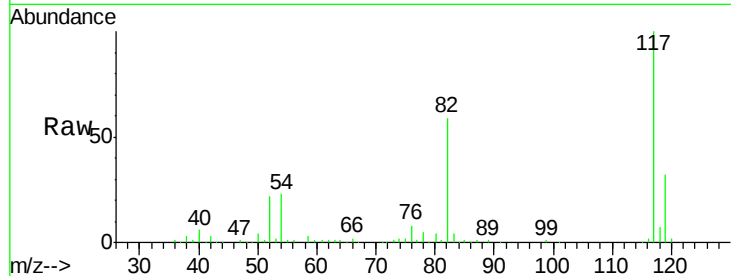




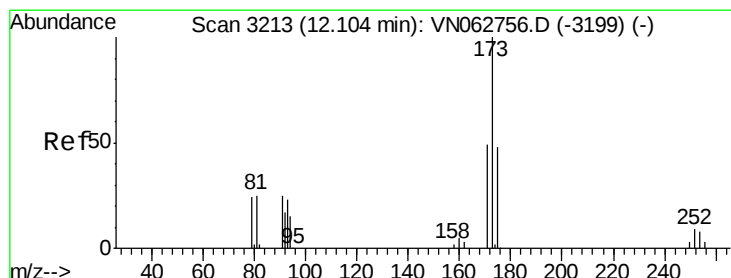
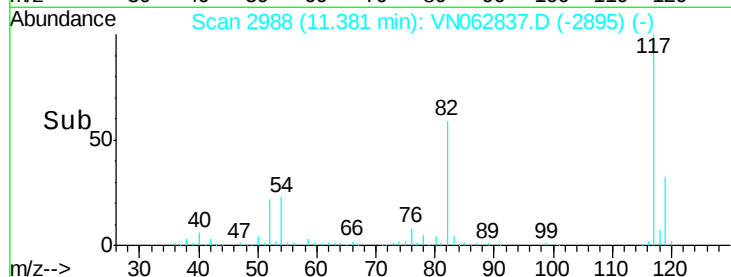
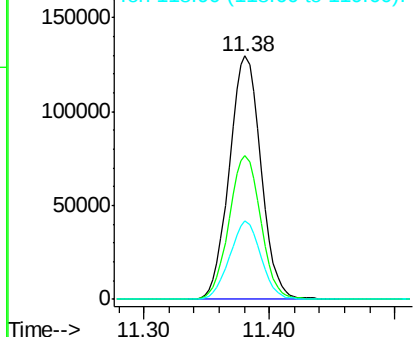
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062837.D
Acq: 11 Aug 2020 18:20

Instrument :
MSVOA_N
ClientSampleId :
SS-TP-3

Tgt Ion:117 Resp: 227520
Ion Ratio Lower Upper
117 100
82 59.0 49.0 73.4
119 32.1 26.2 39.2

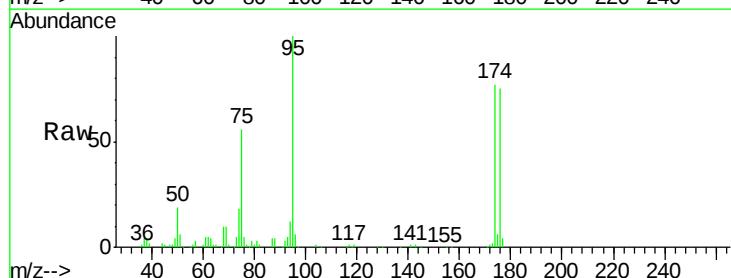


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

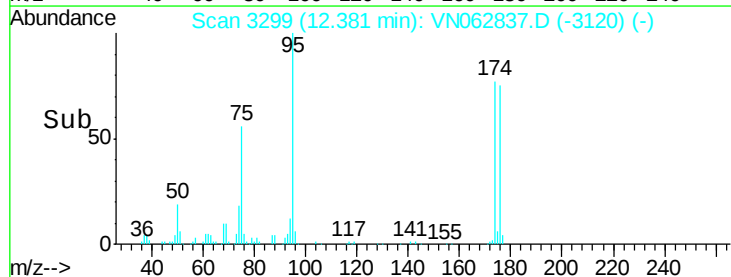
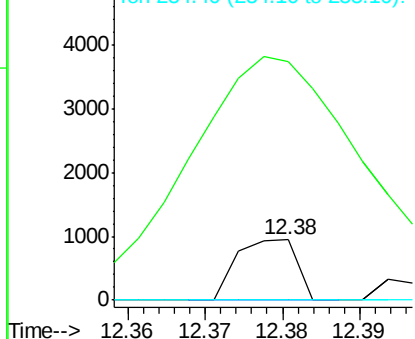


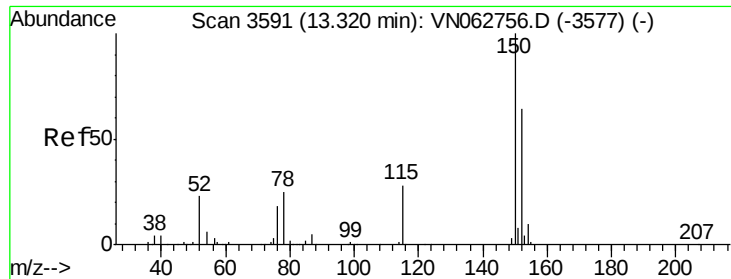
#71
Bromoform
Concen: 0.326 ug/l
RT: 12.38 min Scan# 3299
Delta R.T. 0.28 min
Lab File: VN062837.D
Acq: 11 Aug 2020 18:20

Tgt Ion:173 Resp: 510
Ion Ratio Lower Upper
173 100
175 1052.9 24.0 72.0#
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: VN062837.D

Acq: 11 Aug 2020 18:20

Instrument :

MSVOA_N

ClientSampleId :

SS-TP-3

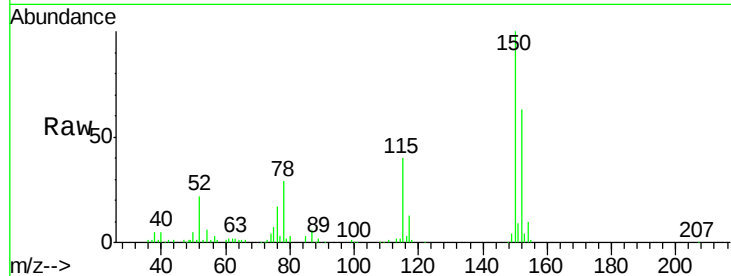
Tgt Ion:152 Resp: 81331

Ion Ratio Lower Upper

152 100

115 64.5 31.6 94.8

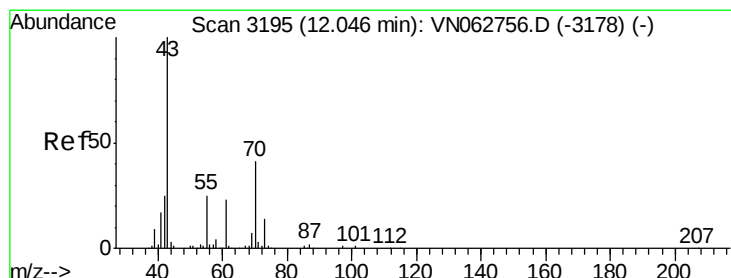
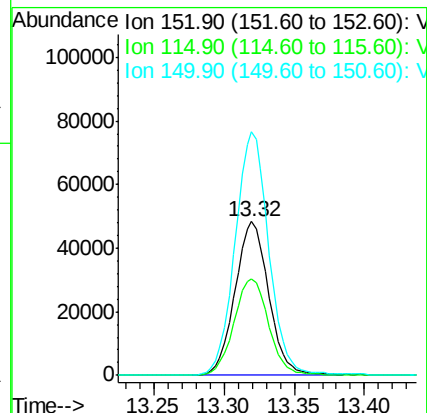
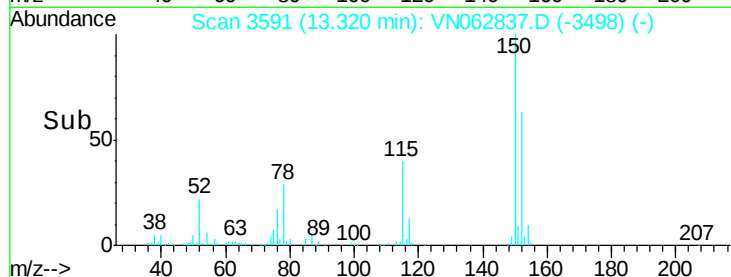
150 157.0 0.0 349.2



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: 0.298 ug/l

RT: 12.00 min Scan# 3182

Delta R.T. -0.04 min

Lab File: VN062837.D

Acq: 11 Aug 2020 18:20

Tgt Ion: 43 Resp: 739

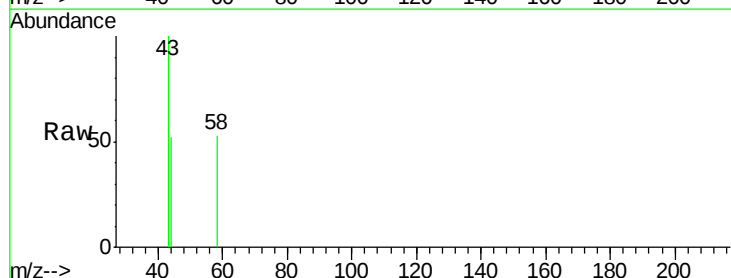
Ion Ratio Lower Upper

43 100

70 0.0 32.3 48.5#

55 0.0 20.2 30.2#

61 0.0 18.2 27.4#

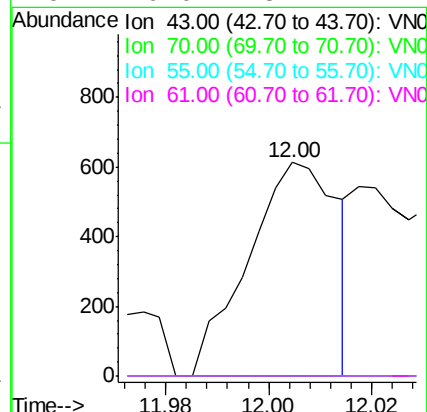
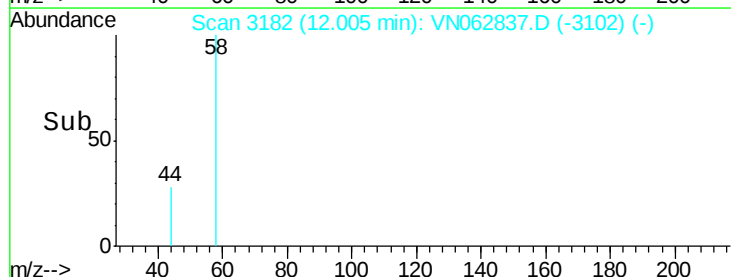


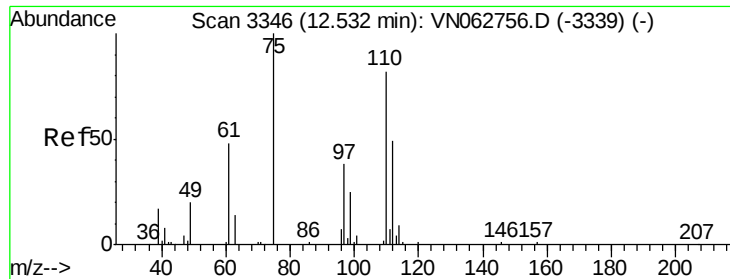
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

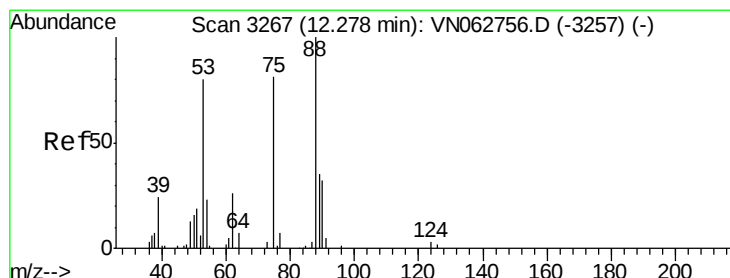
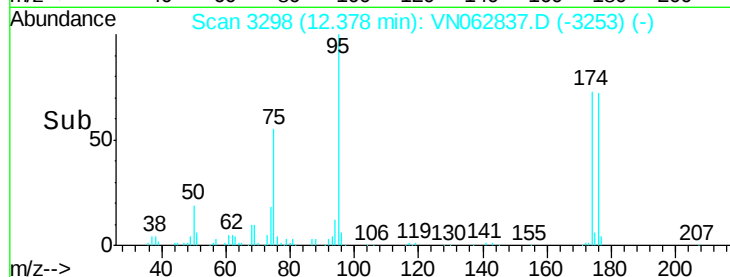
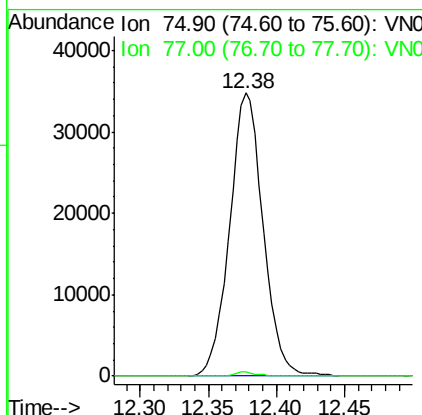
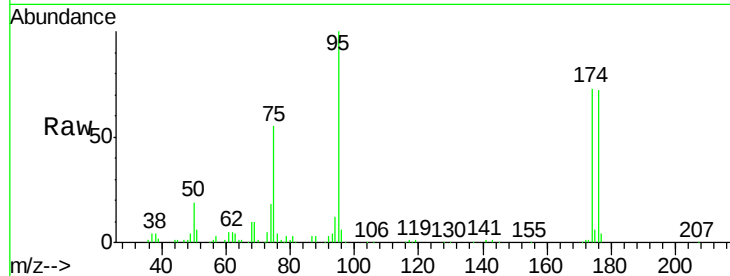




#76
 1,2,3-Trichloropropane
 Concen: 26.997 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.15 min
 Lab File: VN062837.D
 Acq: 11 Aug 2020 18:20

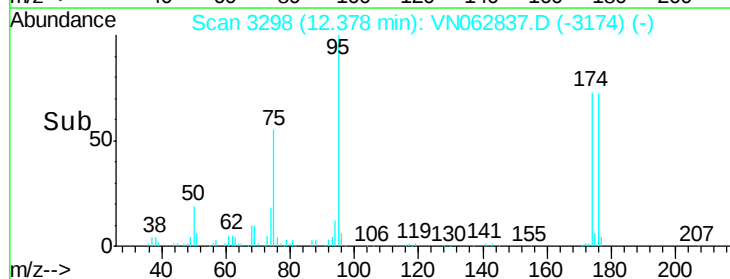
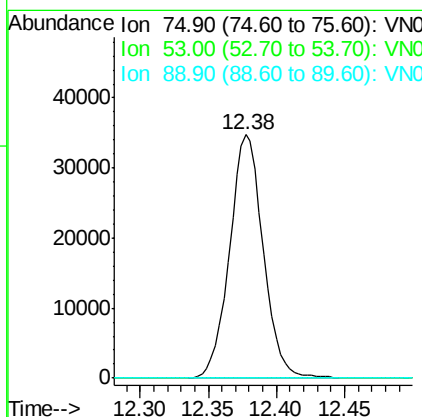
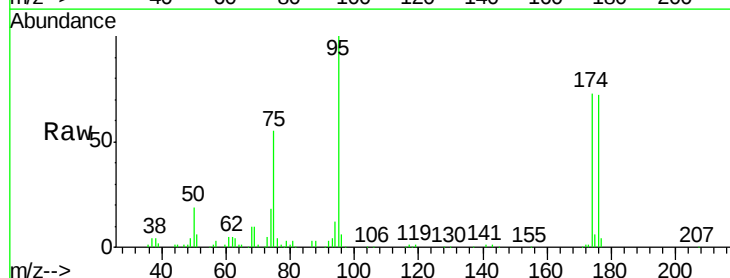
Instrument :
 MSVOA_N
 ClientSampleId :
 SS-TP-3

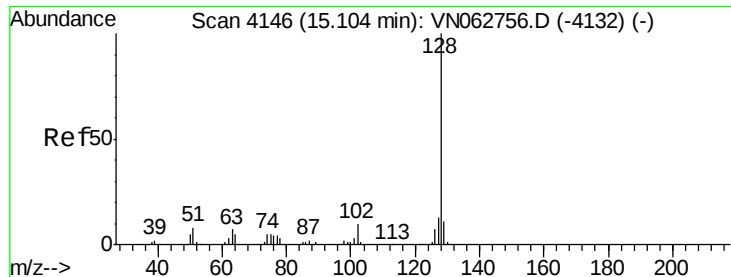
Tgt Ion: 75 Resp: 59216
 Ion Ratio Lower Upper
 75 100
 77 0.9 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 82.415 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.10 min
 Lab File: VN062837.D
 Acq: 11 Aug 2020 18:20

Tgt Ion: 75 Resp: 59216
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.1 118.7#
 89 0.0 36.2 54.2#





#95

Naphthalene

Concen: 3.733 ug/l

RT: 15.11 min Scan# 4148

Delta R.T. 0.01 min

Lab File: VN062837.D

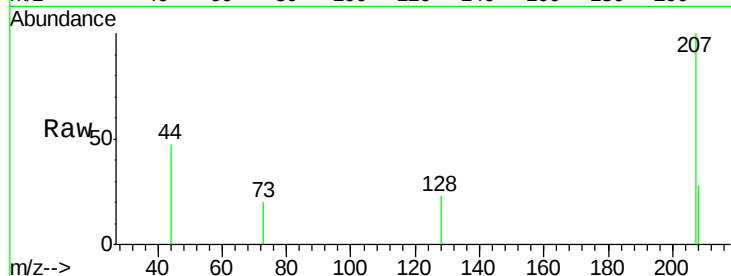
Acq: 11 Aug 2020 18:20

Instrument :

MSVOA_N

ClientSampleId :

SS-TP-3



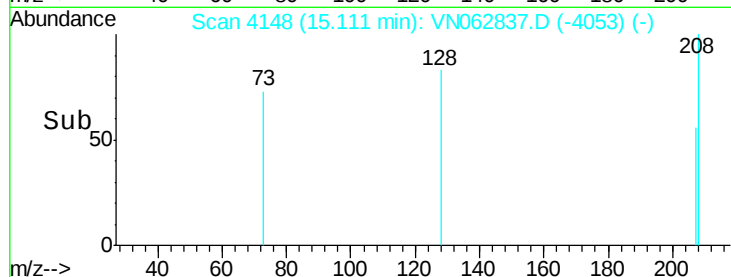
Tgt Ion:128 Resp: 100

Ion Ratio Lower Upper

128 100

127 0.0 10.8 16.2#

129 0.0 8.8 13.2#



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

