

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080320\
 Data File : VN062742.D
 Acq On : 3 Aug 2020 17:50
 Operator : JC/MD
 Sample : L3537-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 JTY1-WC-S-BL-IB

Quant Time: Aug 04 03:34:53 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	119144	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	213790	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	214939	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	78105	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	102951	55.62	ug/l	0.00
Spiked Amount			Recovery	=	111.24%	
35) Dibromofluoromethane	7.55	113	69877	49.76	ug/l	0.00
Spiked Amount			Recovery	=	99.52%	
50) Toluene-d8	10.06	98	280715	50.10	ug/l	0.00
Spiked Amount			Recovery	=	100.20%	
62) 4-Bromofluorobenzene	12.38	95	101797	49.69	ug/l	0.00
Spiked Amount			Recovery	=	99.38%	

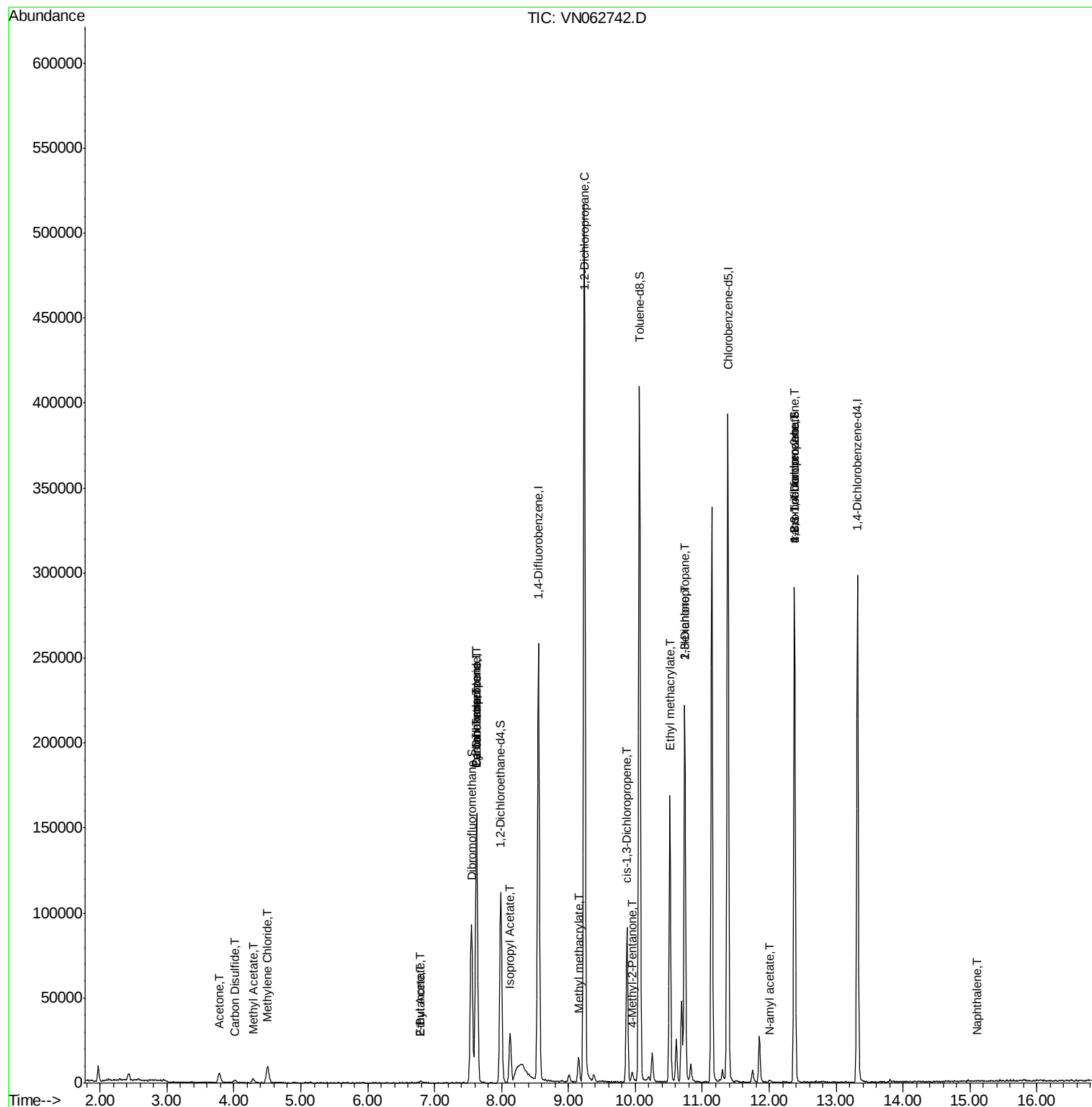
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	10649	15.290	ug/l	95
17) Carbon Disulfide	4.01	76	2564	0.612	ug/l #	75
18) Methyl Acetate	4.28	43	4348	2.466	ug/l #	73
20) Methylene Chloride	4.50	84	7071	4.233	ug/l	94
25) 2-Butanone	6.79	43	706	0.666	ug/l #	52
31) Cyclohexane	7.62	56	2803	1.028	ug/l #	7
36) 1,1-Dichloropropene	7.63	75	10790	4.735	ug/l #	47
37) Ethyl Acetate	6.79	43	706	0.287	ug/l #	69
38) Carbon Tetrachloride	7.63	117	12870	5.876	ug/l #	16
43) Isopropyl Acetate	8.13	43	33817	8.540	ug/l #	89
45) 1,2-Dichloropropane	9.24	63	426	0.220	ug/l #	44
48) Methyl methacrylate	9.15	41	1872	0.994	ug/l #	15
51) 4-Methyl-2-Pentanone	9.95	43	3902	1.647	ug/l	99
54) cis-1,3-Dichloropropene	9.88	75	15455	5.334	ug/l #	65
56) Ethyl methacrylate	10.52	69	887	2.076	ug/l #	1
57) 1,3-Dichloropropane	10.73	76	2206	0.775	ug/l #	42
59) 2-Hexanone	10.74	43	33702	21.134	ug/l #	52
74) N-amyl acetate	12.01	43	838	0.304	ug/l #	45
76) 1,2,3-Trichloropropane	12.38	75	56345	28.342	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	56345	78.897	ug/l #	12
95) Naphthalene	15.11	128	631	3.929	ug/l #	69

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

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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: VN062742.D

Acq: 3 Aug 2020 17:50

Instrument :

MSVOA_N

ClientSampleId :

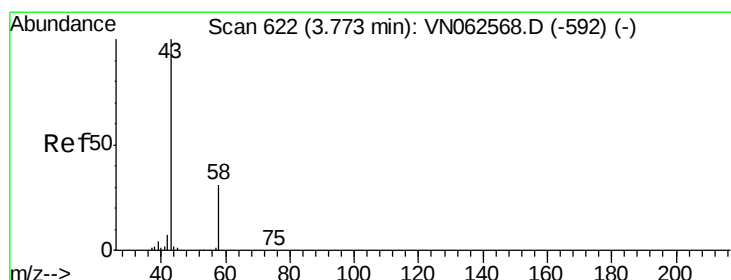
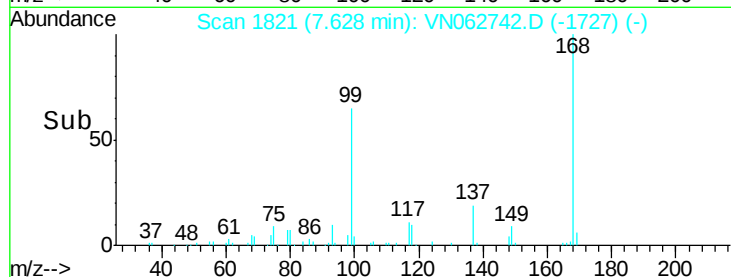
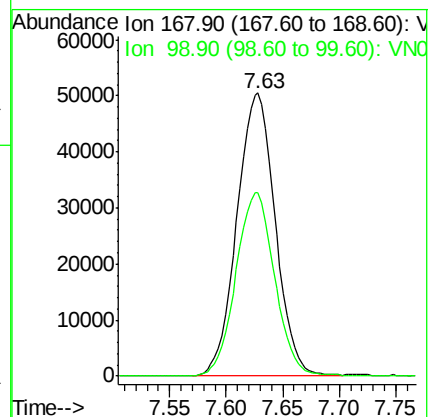
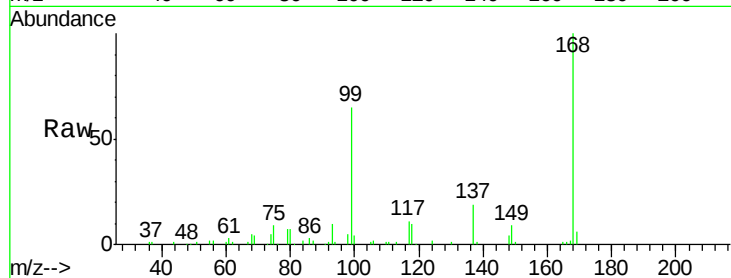
JTY1-WC-S-BL-IB

Tot Ion:168 Resp: 119144

Ion Ratio Lower Upper

168 100

99 64.8 48.4 72.6



#16

Acetone

Concen: 15.290 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN062742.D

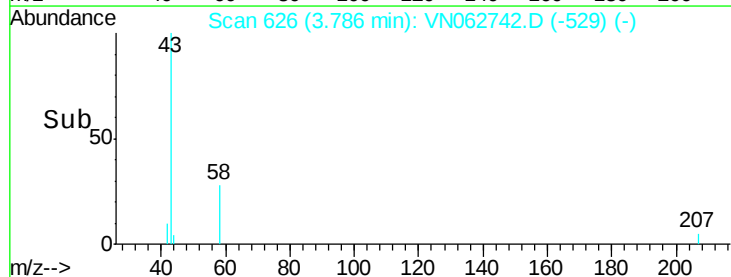
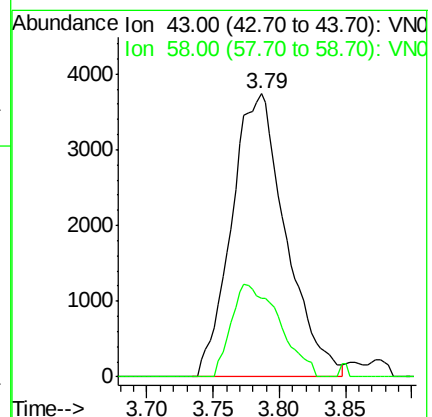
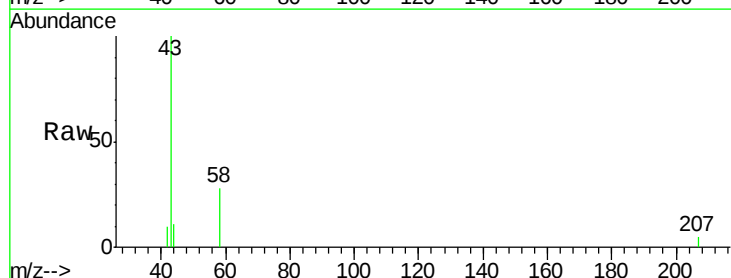
Acq: 3 Aug 2020 17:50

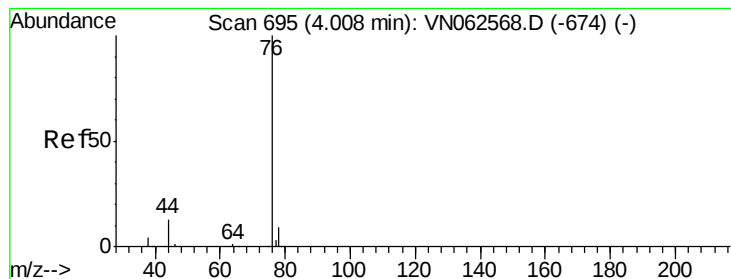
Tgt Ion: 43 Resp: 10649

Ion Ratio Lower Upper

43 100

58 28.0 24.6 37.0





#17

Carbon Disulfide

Concen: 0.612 ug/l

RT: 4.01 min Scan# 696

Delta R.T. 0.00 min

Lab File: VN062742.D

Acq: 3 Aug 2020 17:50

Instrument :

MSVOA_N

ClientSampleId :

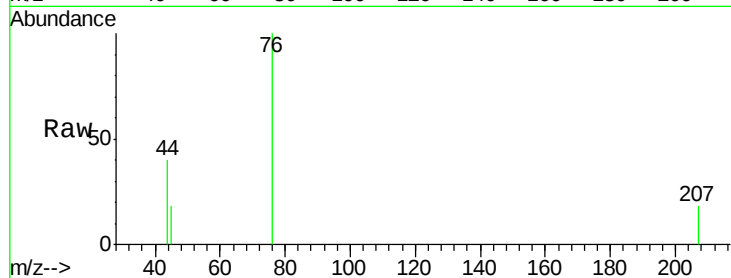
JTY1-WC-S-BL-IB

Tot Ion: 76 Resp: 2564

Ion Ratio Lower Upper

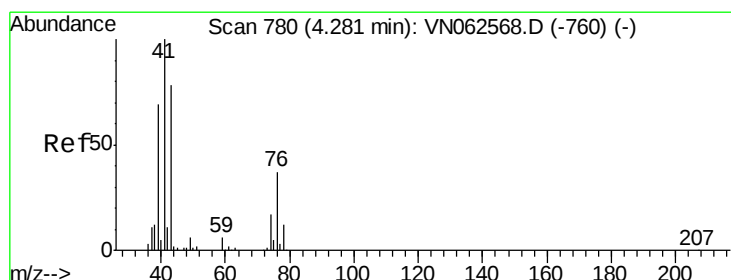
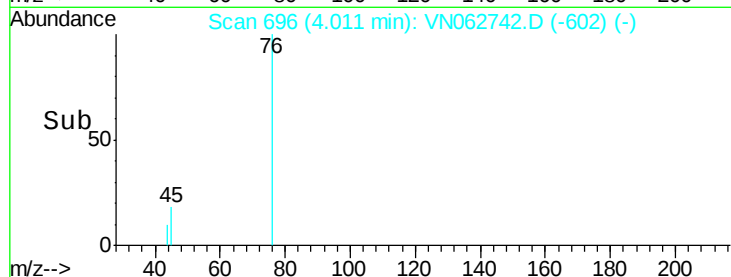
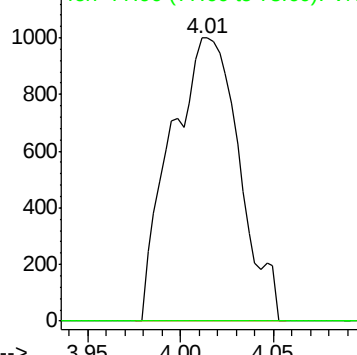
76 100

78 0.0 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC



#18

Methyl Acetate

Concen: 2.466 ug/l

RT: 4.28 min Scan# 781

Delta R.T. 0.00 min

Lab File: VN062742.D

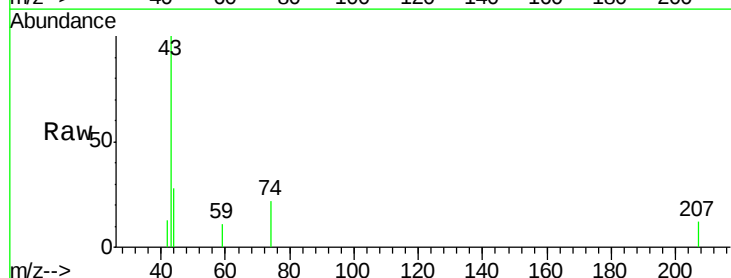
Acq: 3 Aug 2020 17:50

Tgt Ion: 43 Resp: 4348

Ion Ratio Lower Upper

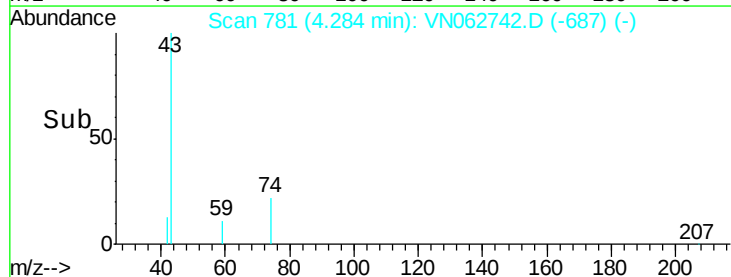
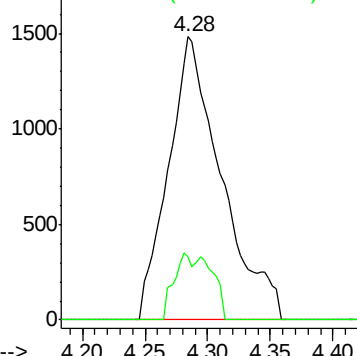
43 100

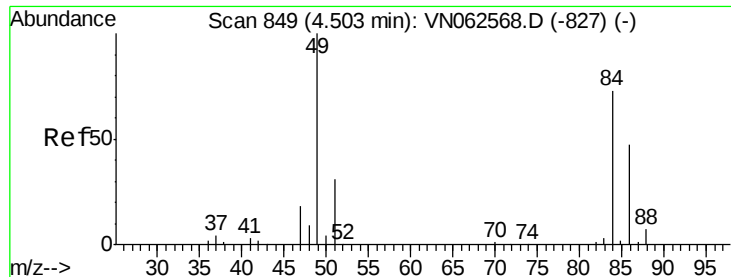
74 8.2 16.6 24.8#



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC

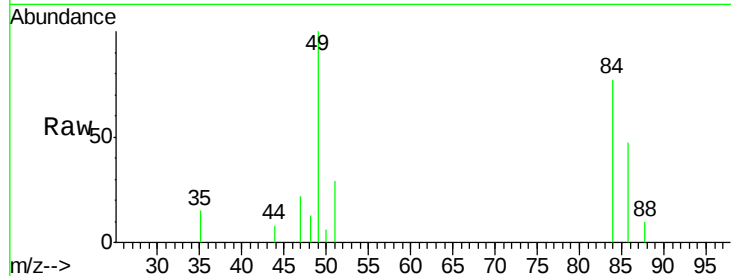




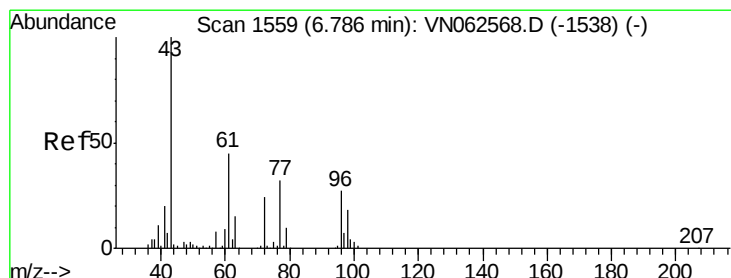
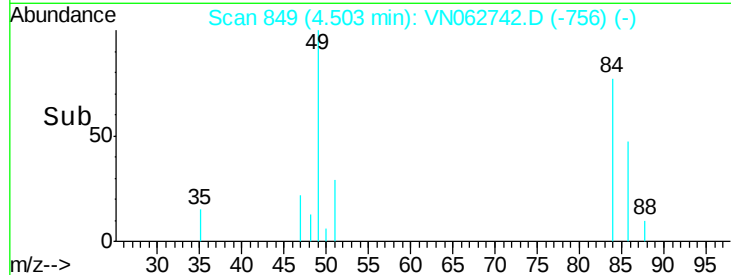
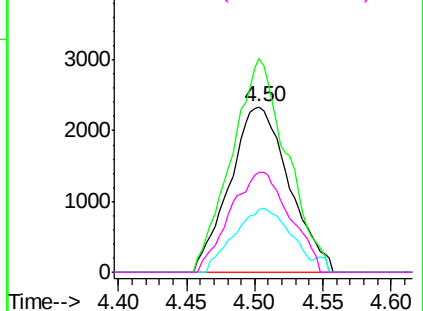
#20
Methvlene Chloride
Concen: 4.233 ug/l
RT: 4.50 min Scan# 849
Delta R.T. -0.00 min
Lab File: VN062742.D
Acq: 3 Aug 2020 17:50

Instrument :
MSVOA_N
ClientSampleId :
JTY1-WC-S-BL-IB

Tot Ion: 84 Resp: 7071
Ion Ratio Lower Upper
84 100
49 129.3 109.4 164.0
51 37.8 33.6 50.4
86 60.3 51.4 77.2

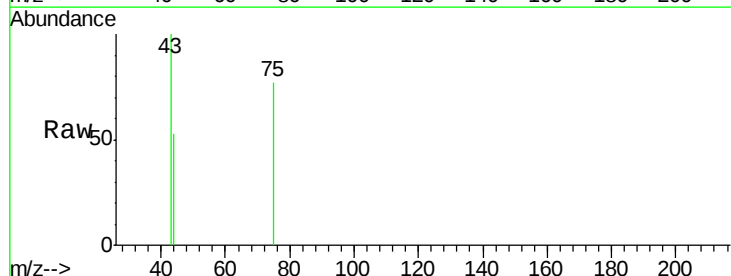


Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

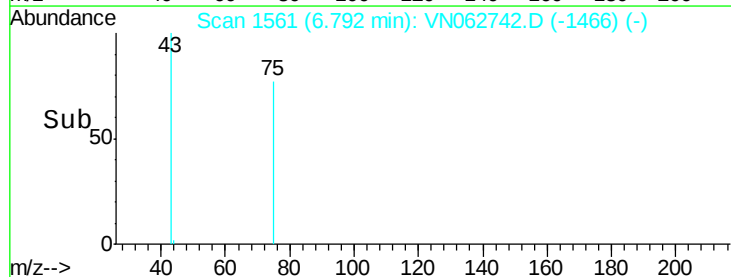
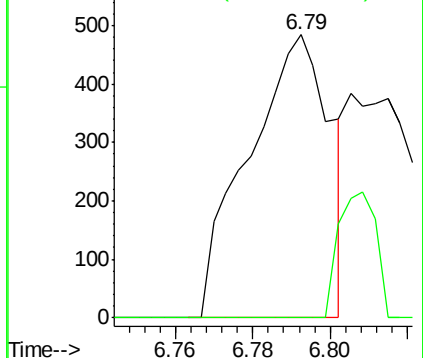


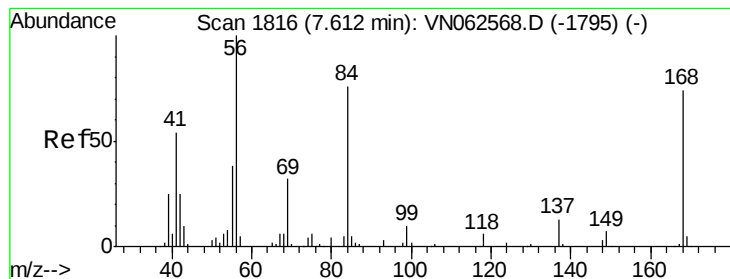
#25
2-Butanone
Concen: 0.666 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. 0.01 min
Lab File: VN062742.D
Acq: 3 Aug 2020 17:50

Tgt Ion: 43 Resp: 706
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: 1.028 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VN062742.D

Acq: 3 Aug 2020 17:50

Instrument :

MSVOA_N

ClientSampleId :

JTY1-WC-S-BL-IB

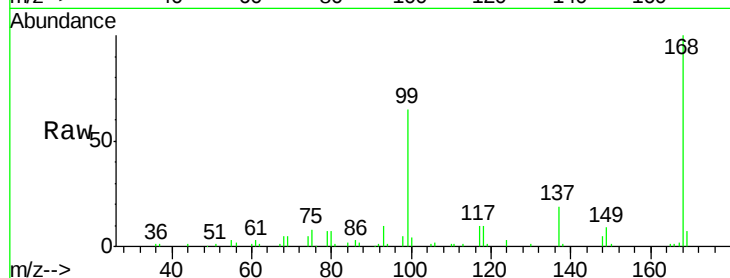
Tot Ion: 56 Resp: 2803

Ion Ratio Lower Upper

56 100

69 174.8 25.3 37.9#

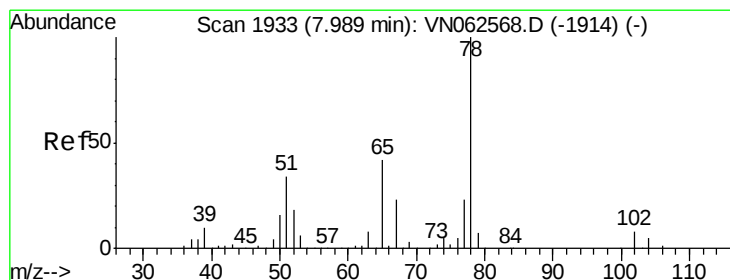
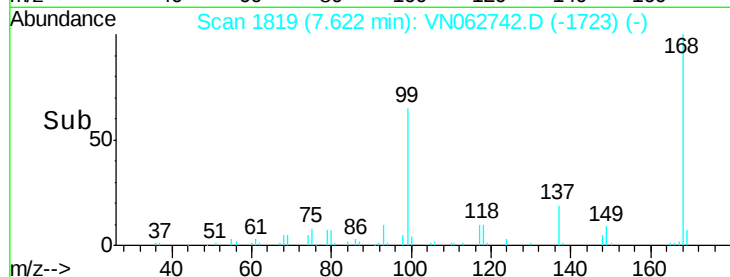
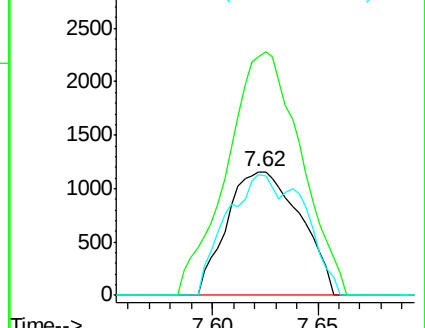
84 97.6 61.0 91.4#



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: 55.624 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. -0.00 min

Lab File: VN062742.D

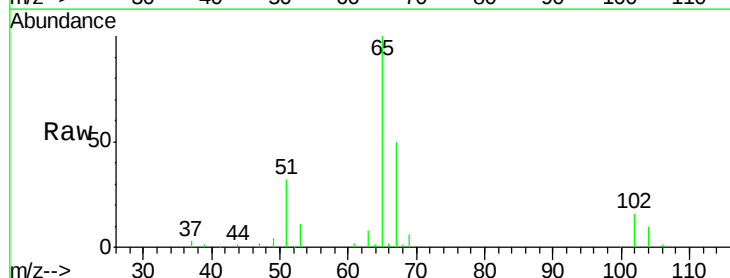
Acq: 3 Aug 2020 17:50

Tgt Ion: 65 Resp: 102951

Ion Ratio Lower Upper

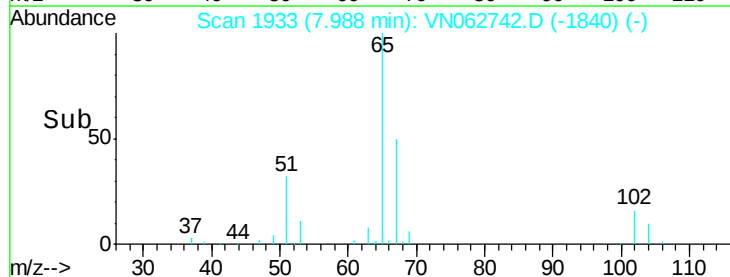
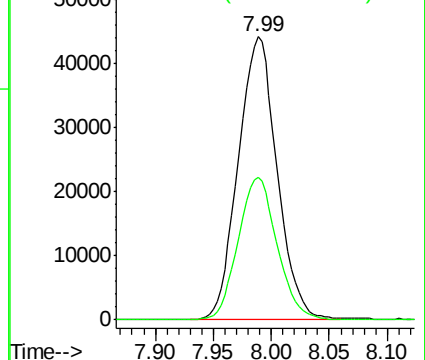
65 100

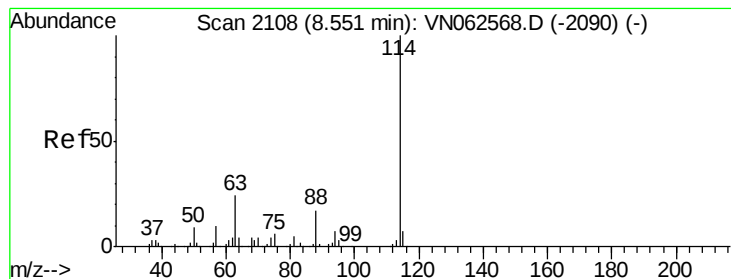
67 50.5 0.0 106.0



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: VN062742.D

Acq: 3 Aug 2020 17:50

Instrument :

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ClientSampleId :

JTY1-WC-S-BL-IB

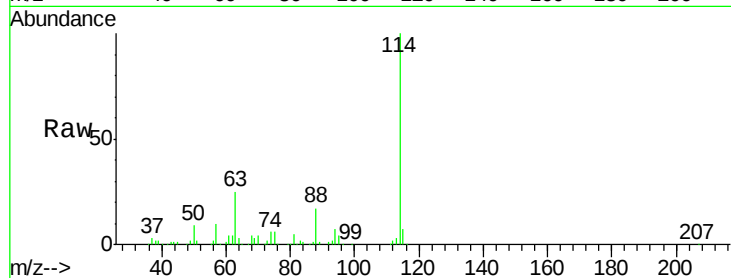
Tot Ion:114 Resp: 213790

Ion Ratio Lower Upper

114 100

63 24.8 0.0 48.4

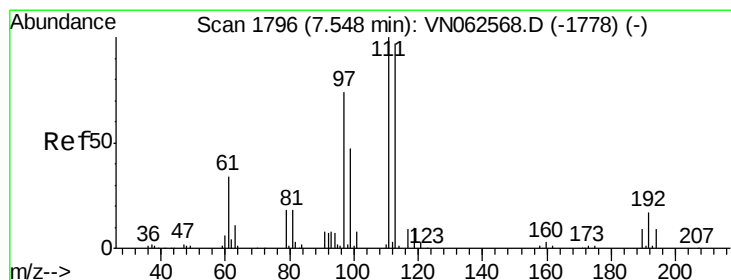
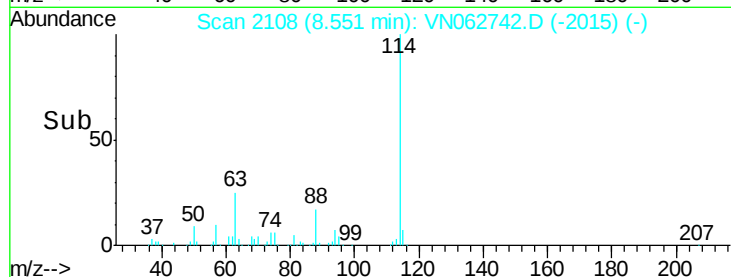
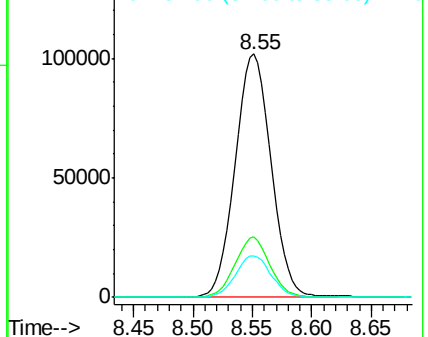
88 17.0 0.0 33.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 49.760 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VN062742.D

Acq: 3 Aug 2020 17:50

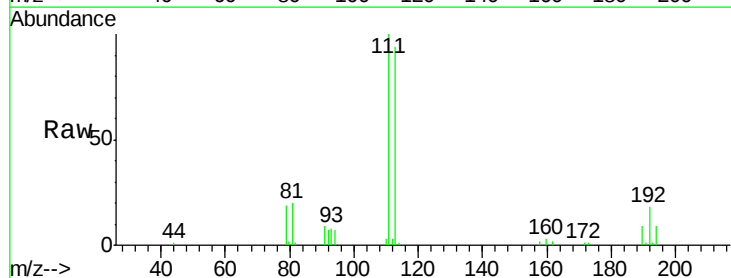
Tgt Ion:113 Resp: 69877

Ion Ratio Lower Upper

113 100

111 106.6 82.7 124.1

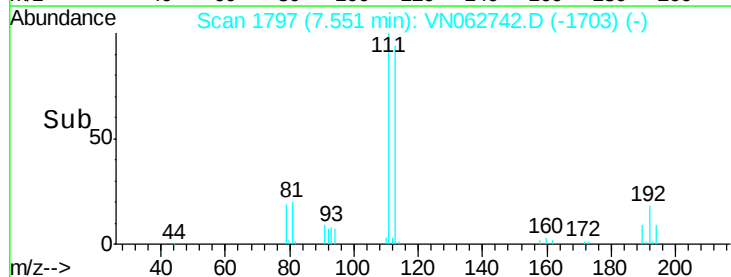
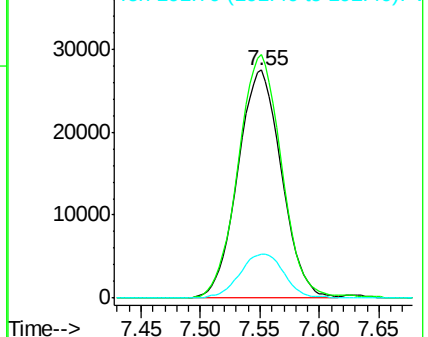
192 19.7 14.8 22.2

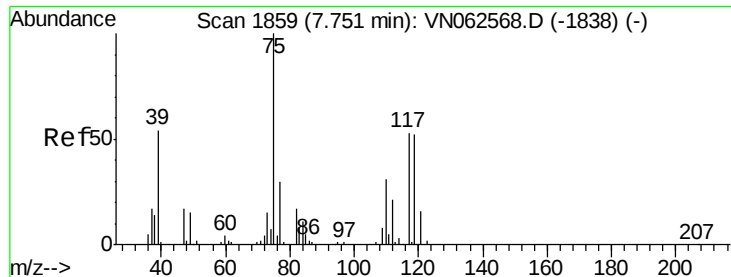


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.735 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.12 min

Lab File: VN062742.D

Acq: 3 Aug 2020 17:50

Instrument :

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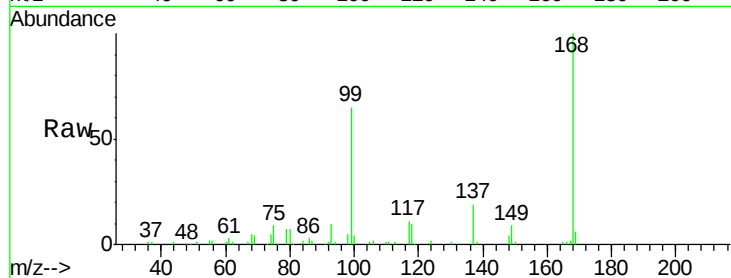
Tot Ion: 75 Resp: 10790

Ion Ratio Lower Upper

75 100

110 3.7 16.0 48.0#

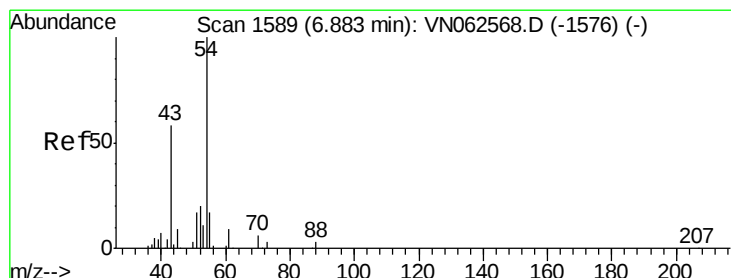
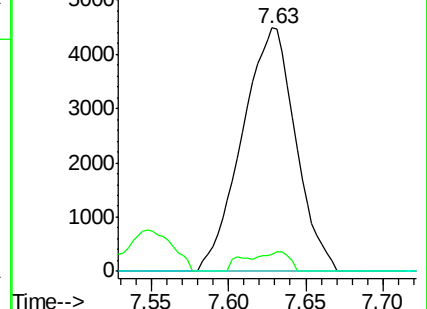
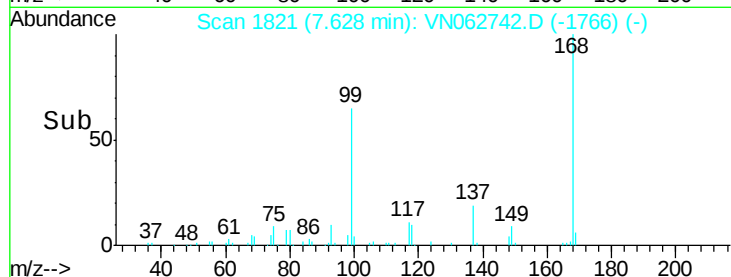
77 0.0 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VN062742.D (-1766) (-)

Ion 109.90 (109.60 to 110.60): VN062742.D (-1766) (-)

Ion 76.90 (76.60 to 77.60): VN062742.D (-1766) (-)



#37

Ethyl Acetate

Concen: 0.287 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.09 min

Lab File: VN062742.D

Acq: 3 Aug 2020 17:50

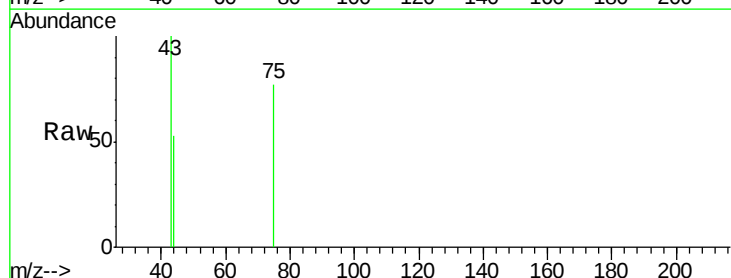
Tgt Ion: 43 Resp: 706

Ion Ratio Lower Upper

43 100

61 0.0 11.3 16.9#

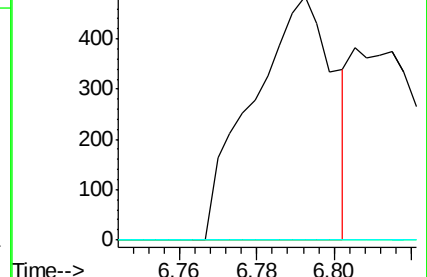
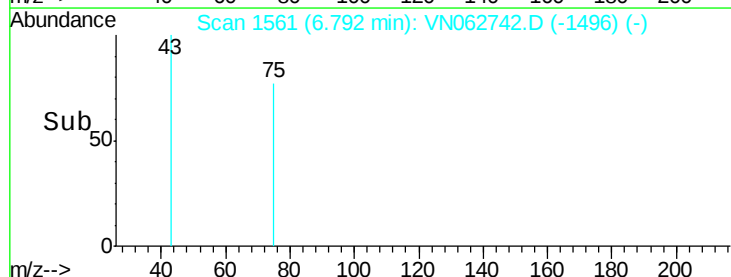
70 0.0 7.7 11.5#

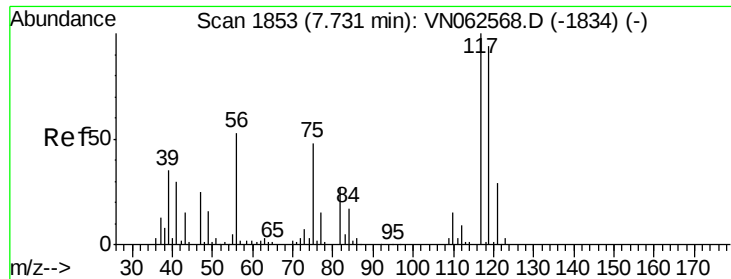


Abundance Ion 43.00 (42.70 to 43.70): VN062742.D (-1496) (-)

Ion 60.90 (60.60 to 61.60): VN062742.D (-1496) (-)

Ion 70.00 (69.70 to 70.70): VN062742.D (-1496) (-)

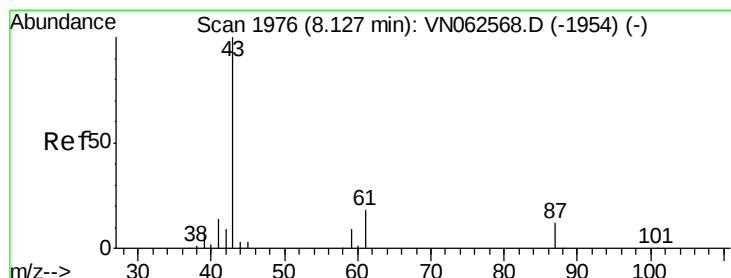
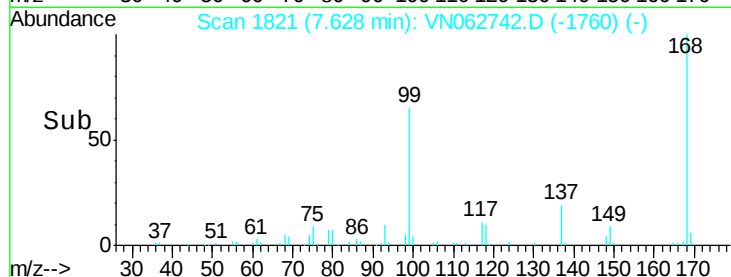
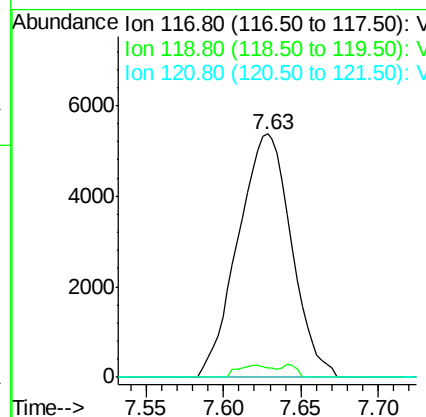
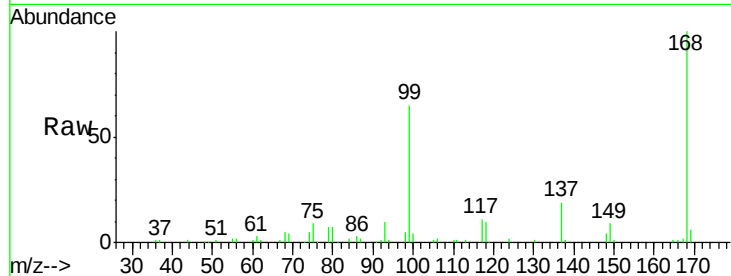




#38
Carbon Tetrachloride
Concen: 5.876 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.10 min
Lab File: VN062742.D
Acq: 3 Aug 2020 17:50

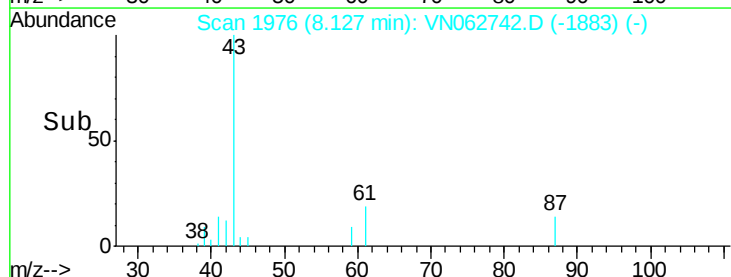
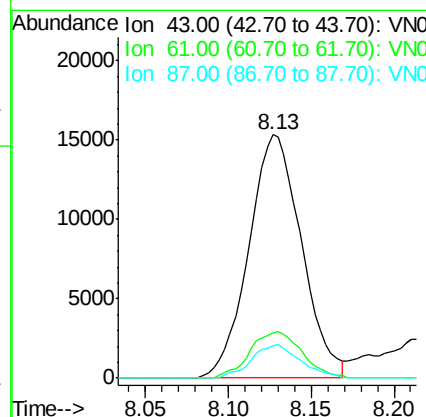
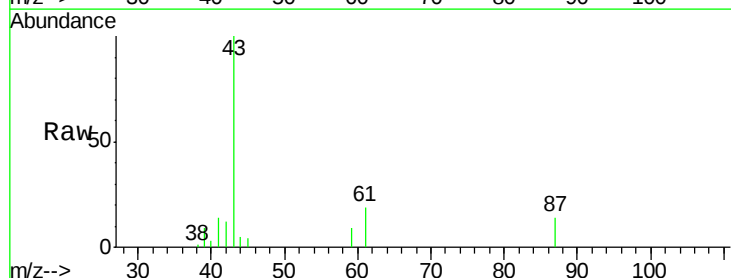
Instrument :
MSVOA_N
ClientSampleId :
JTY1-WC-S-BL-IB

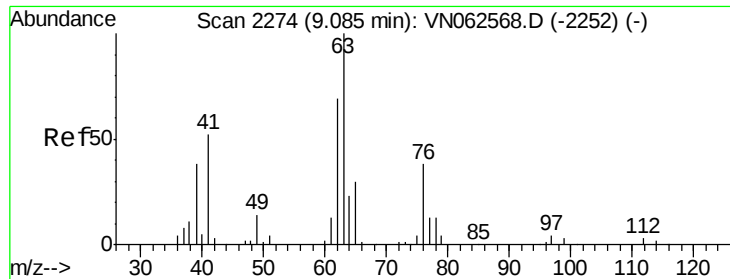
Tot Ion:117 Resp: 12870
Ion Ratio Lower Upper
117 100
119 4.0 74.8 112.2#
121 0.0 23.0 34.6#



#43
Isopropyl Acetate
Concen: 8.540 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN062742.D
Acq: 3 Aug 2020 17:50

Tgt Ion: 43 Resp: 33817
Ion Ratio Lower Upper
43 100
61 18.9 20.8 31.2#
87 12.6 9.2 13.8





#45

1,2-Dichloropropane

Concen: 0.220 ug/l

RT: 9.24 min Scan# 2322

Delta R.T. 0.15 min

Lab File: VN062742.D

Acq: 3 Aug 2020 17:50

Instrument :

MSVOA_N

ClientSampleId :

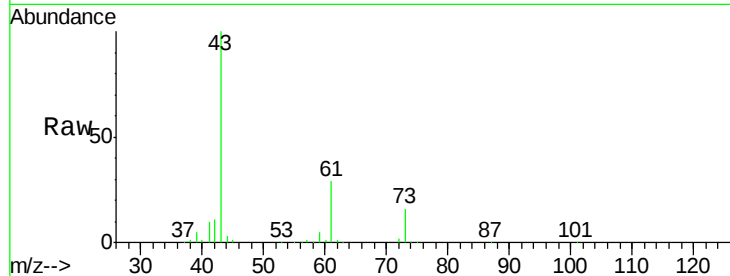
JTY1-WC-S-BL-IB

Tot Ion: 63 Resp: 426

Ion Ratio Lower Upper

63 100

65 0.0 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.24

400

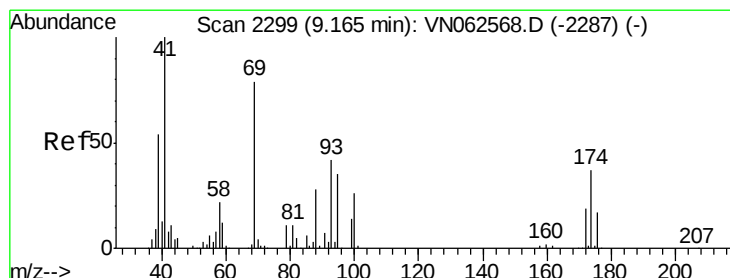
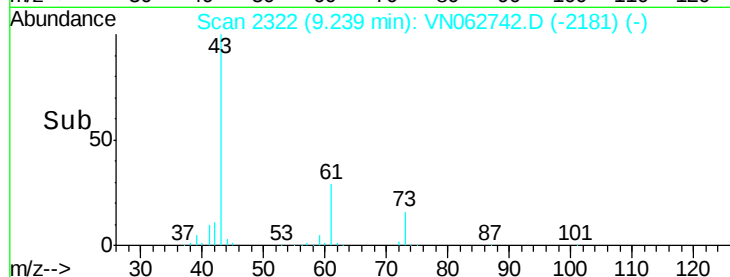
300

200

100

0

Time-->



#48

Methyl methacrylate

Concen: 0.994 ug/l

RT: 9.15 min Scan# 2294

Delta R.T. -0.02 min

Lab File: VN062742.D

Acq: 3 Aug 2020 17:50

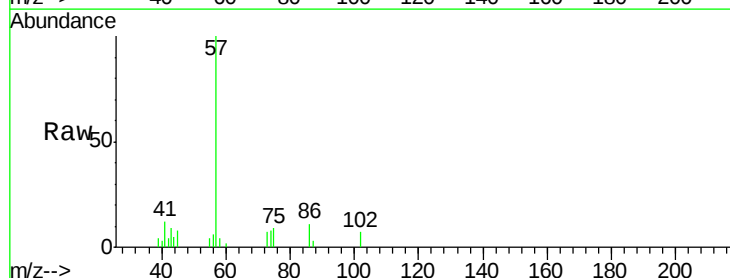
Tgt Ion: 41 Resp: 1872

Ion Ratio Lower Upper

41 100

69 0.0 64.4 96.6#

39 0.0 43.5 65.3#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

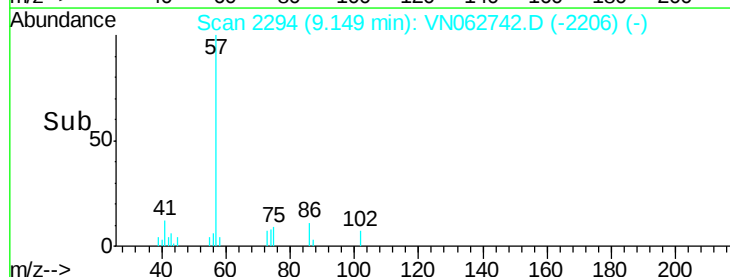
3000

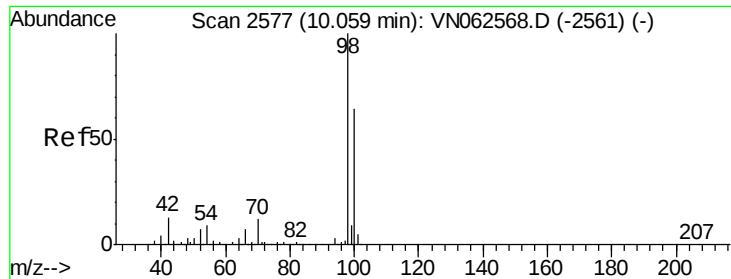
2000

1000

0

Time-->

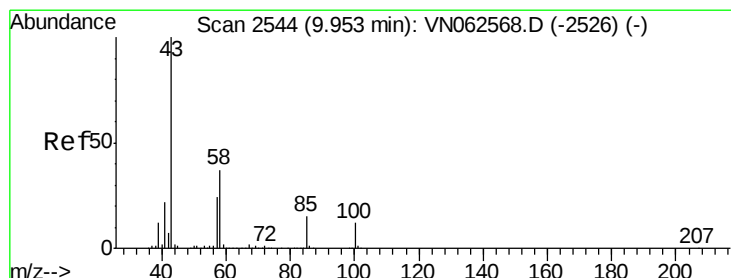
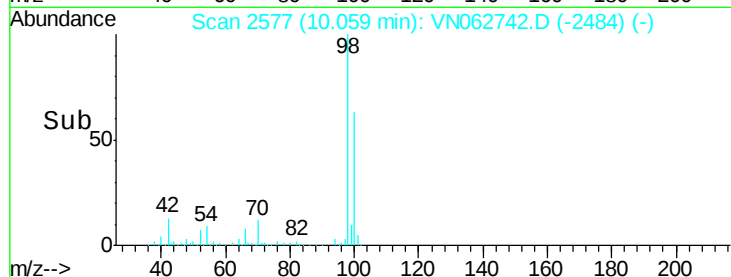
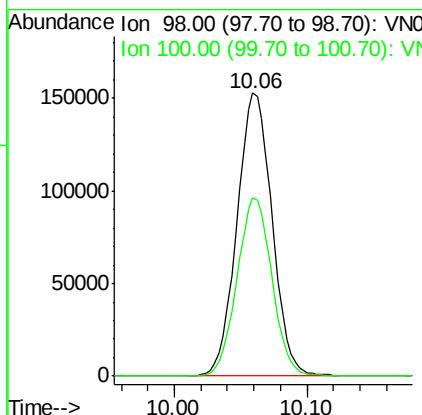
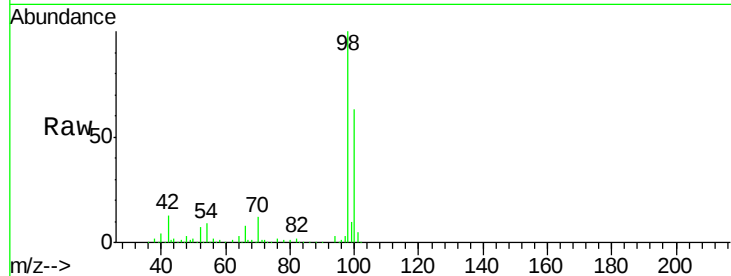




#50
Toluene-d8
Concen: 50.100 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062742.D
Acq: 3 Aug 2020 17:50

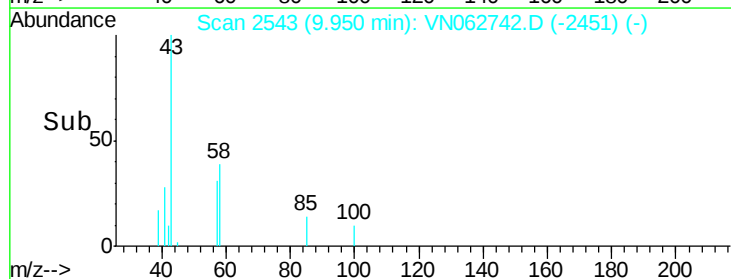
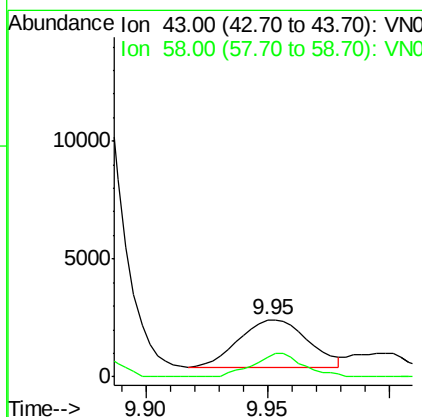
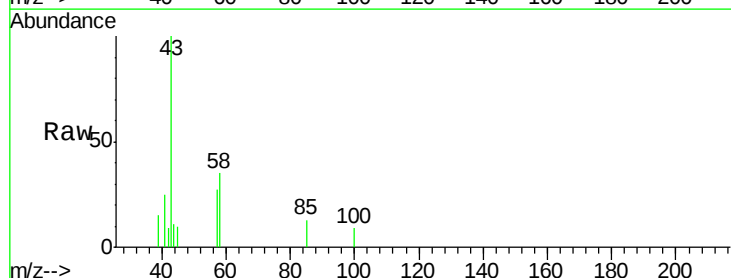
Instrument :
MSVOA_N
ClientSampleId :
JTY1-WC-S-BL-IB

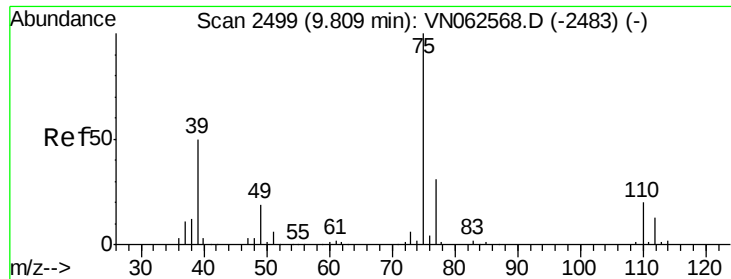
Tot Ion: 98 Resp: 280715
Ion Ratio Lower Upper
98 100
100 62.6 50.9 76.3



#51
4-Methyl-2-Pentanone
Concen: 1.647 ug/l
RT: 9.95 min Scan# 2543
Delta R.T. -0.00 min
Lab File: VN062742.D
Acq: 3 Aug 2020 17:50

Tgt Ion: 43 Resp: 3902
Ion Ratio Lower Upper
43 100
58 36.8 29.8 44.6



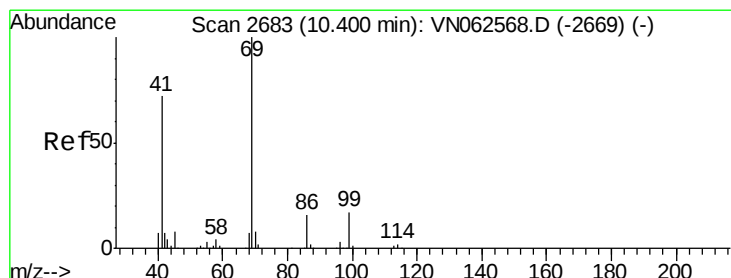
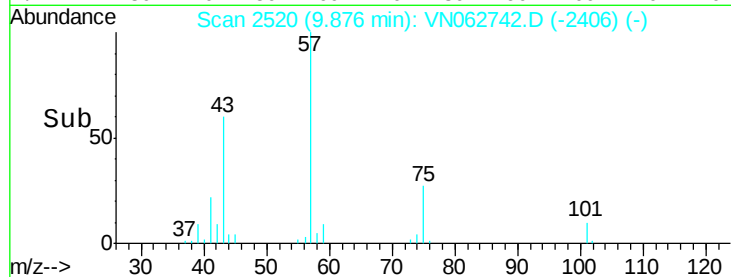
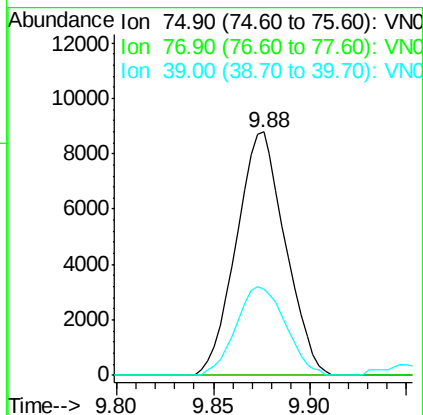
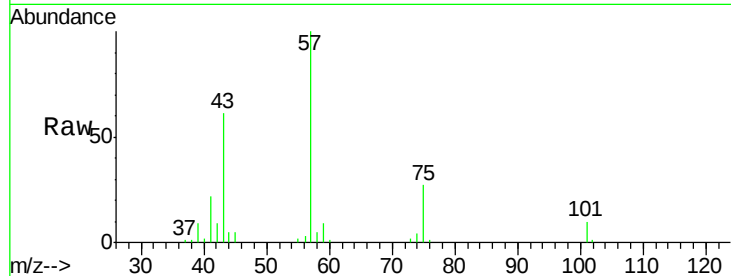


#54

cis-1,3-Dichloropropene
 Concen: 5.334 ug/l
 RT: 9.88 min Scan# 2520
 Delta R.T. 0.07 min
 Lab File: VN062742.D
 Acq: 3 Aug 2020 17:50

Instrument :
 MSVOA_N
 ClientSampleId :
 JTY1-WC-S-BL-IB

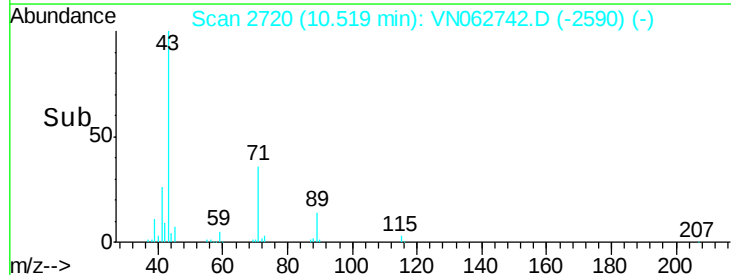
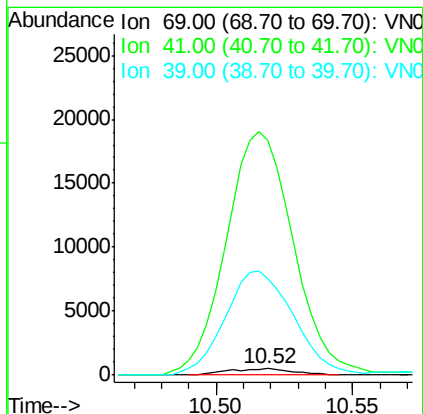
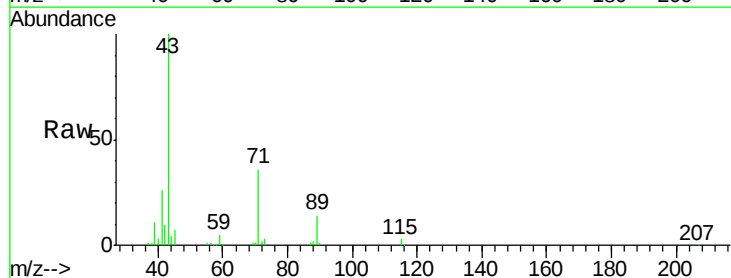
Tot Ion: 75 Resp: 15455
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.6#
 39 35.2 39.8 59.8#

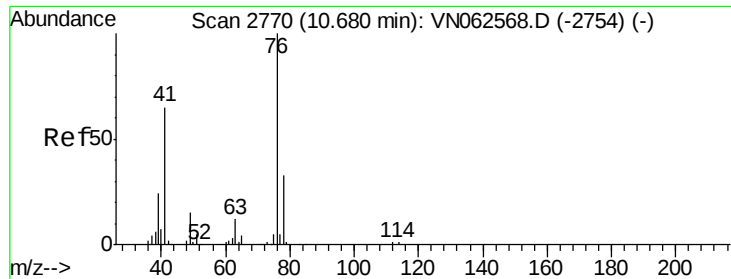


#56

Ethyl methacrylate
 Concen: 2.076 ug/l
 RT: 10.52 min Scan# 2720
 Delta R.T. 0.12 min
 Lab File: VN062742.D
 Acq: 3 Aug 2020 17:50

Tgt Ion: 69 Resp: 887
 Ion Ratio Lower Upper
 69 100
 41 3684.1 57.2 85.8#
 39 1596.4 28.6 43.0#

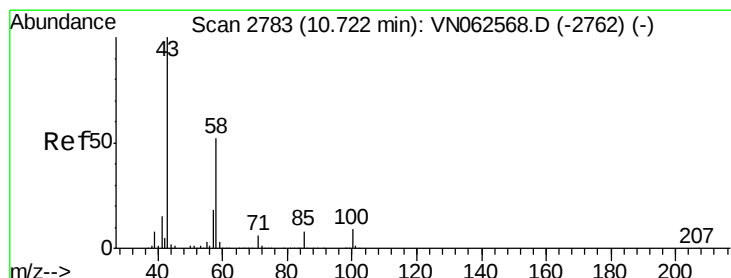
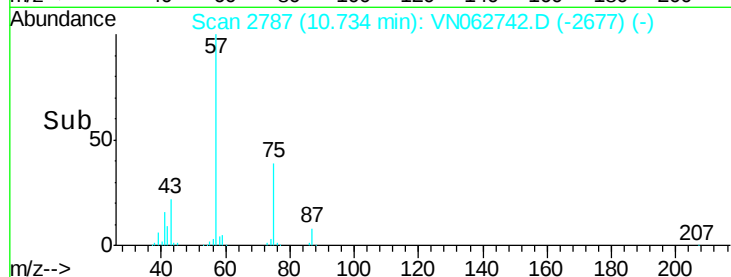
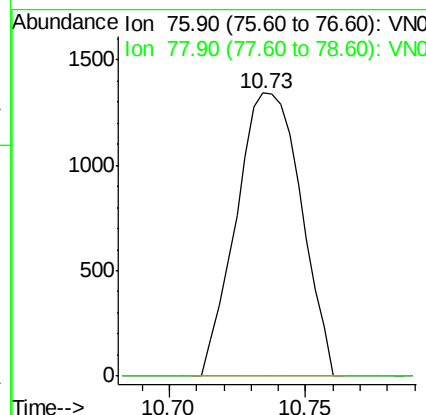
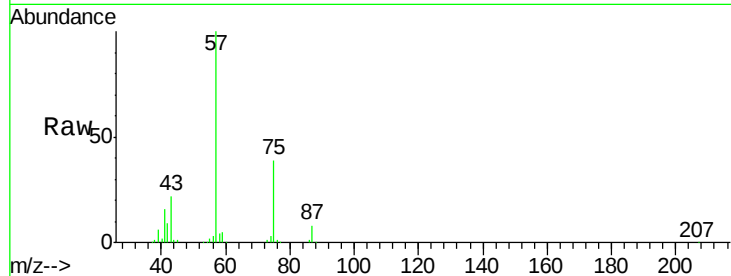




#57
 1,3-Dichloropropane
 Concen: 0.775 ug/l
 RT: 10.73 min Scan# 2787
 Delta R.T. 0.05 min
 Lab File: VN062742.D
 Acq: 3 Aug 2020 17:50

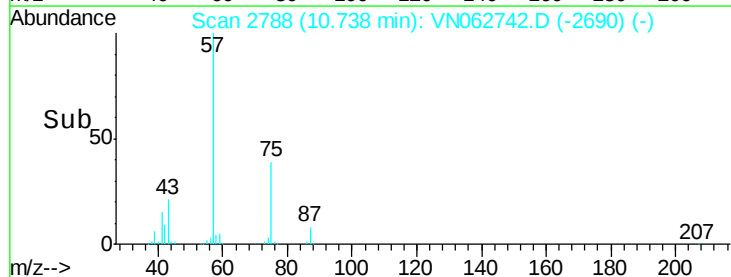
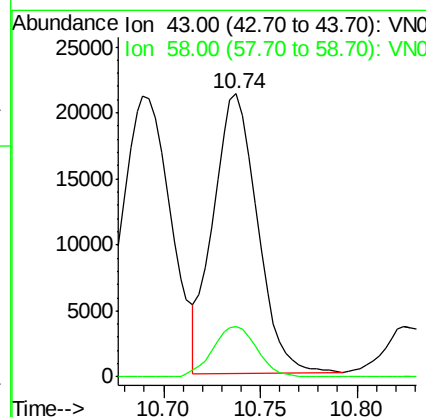
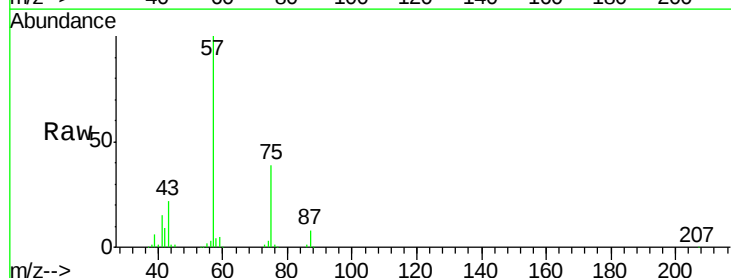
Instrument :
 MSVOA_N
 ClientSampleId :
 JTY1-WC-S-BL-IB

Tot Ion: 76 Resp: 2206
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.3 39.5#



#59
 2-Hexanone
 Concen: 21.134 ug/l
 RT: 10.74 min Scan# 2788
 Delta R.T. 0.02 min
 Lab File: VN062742.D
 Acq: 3 Aug 2020 17:50

Tgt Ion: 43 Resp: 33702
 Ion Ratio Lower Upper
 43 100
 58 17.9 26.0 78.0#





#62

4-Bromofluorobenzene

Concen: 49.688 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062742.D

Acq: 3 Aug 2020 17:50

Instrument :

MSVOA_N

ClientSampleId :

JTY1-WC-S-BL-IB

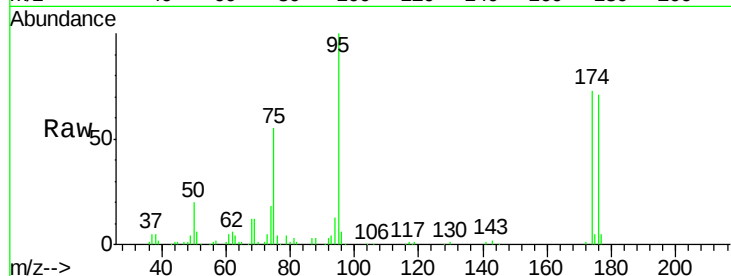
Tot Ion: 95 Resp: 101797

Ion Ratio Lower Upper

95 100

174 74.0 0.0 144.6

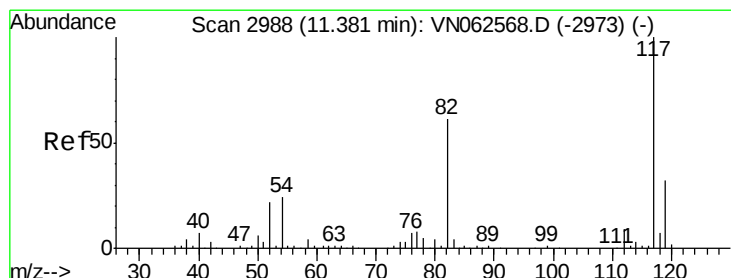
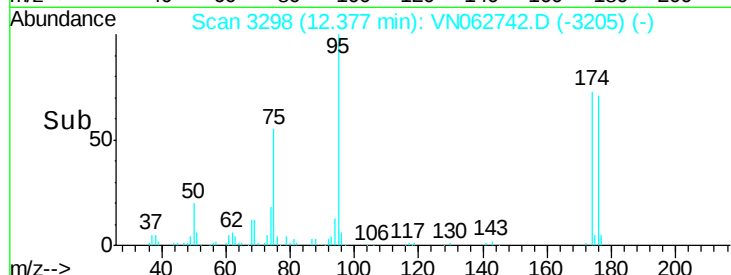
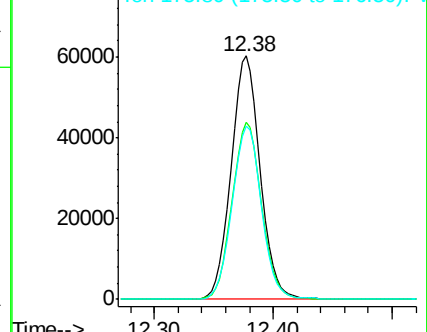
176 72.1 0.0 139.4



Abundance Ion 94.90 (94.60 to 95.60): VN062742.D (-3205) (-)

Ion 173.80 (173.50 to 174.50): VN062742.D (-3205) (-)

Ion 175.80 (175.50 to 176.50): VN062742.D (-3205) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN062742.D

Acq: 3 Aug 2020 17:50

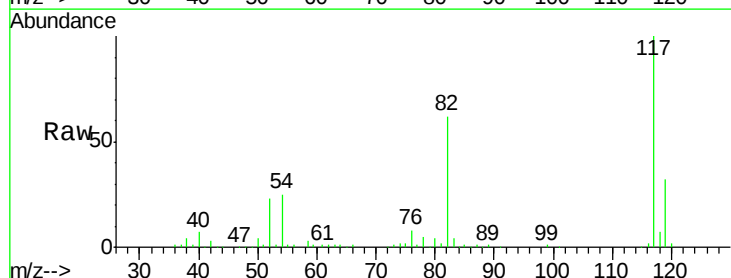
Tgt Ion: 117 Resp: 214939

Ion Ratio Lower Upper

117 100

82 61.6 49.0 73.6

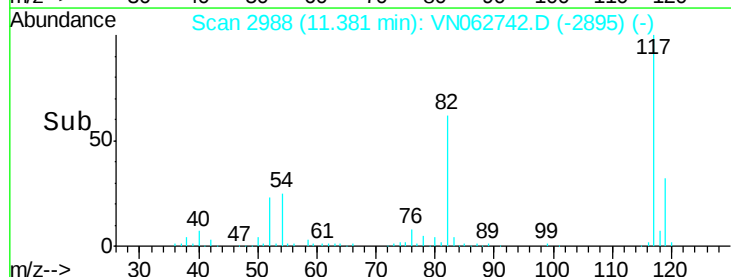
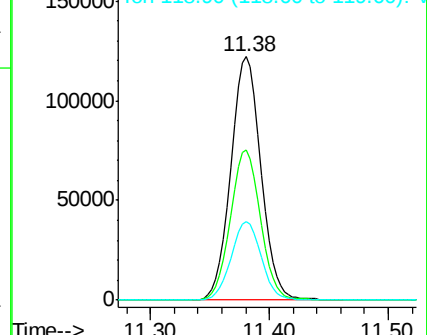
119 32.4 25.4 38.2

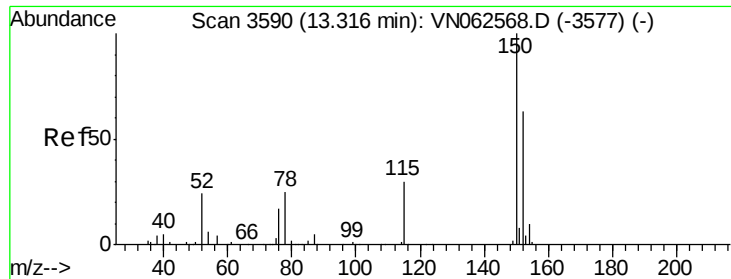


Abundance Ion 116.90 (116.60 to 117.60): VN062742.D (-2895) (-)

Ion 82.00 (81.70 to 82.70): VN062742.D (-2895) (-)

Ion 118.90 (118.60 to 119.60): VN062742.D (-2895) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062742.D

Acq: 3 Aug 2020 17:50

Instrument :

MSVOA_N

ClientSampleId :

JTY1-WC-S-BL-IB

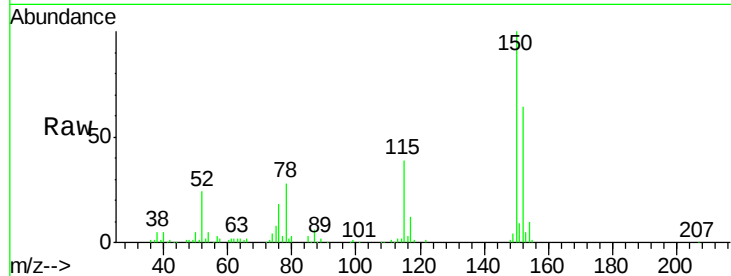
Tot Ion:152 Resp: 78105

Ion Ratio Lower Upper

152 100

115 62.1 31.8 95.4

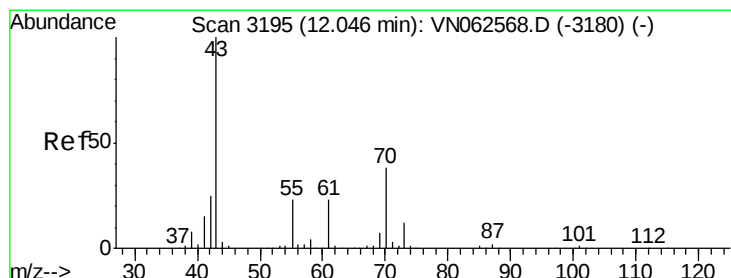
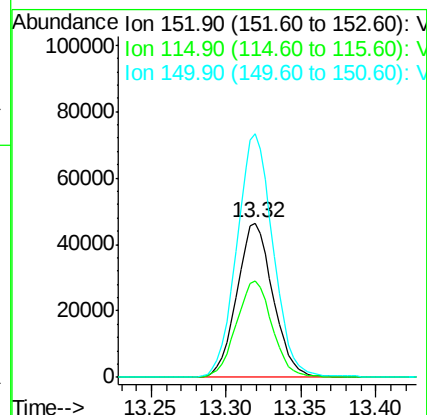
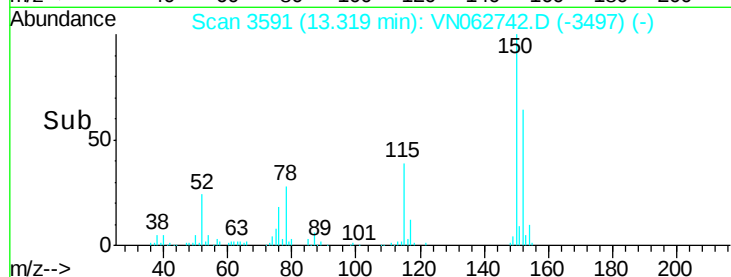
150 158.9 0.0 351.4



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-ethyl acetate

Concen: 0.304 ug/l

RT: 12.01 min Scan# 3184

Delta R.T. -0.04 min

Lab File: VN062742.D

Acq: 3 Aug 2020 17:50

Tgt Ion: 43 Resp: 838

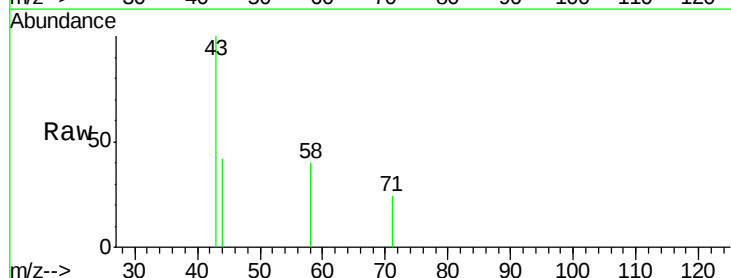
Ion Ratio Lower Upper

43 100

70 0.0 30.5 45.7#

55 0.0 19.0 28.6#

61 0.0 18.4 27.6#

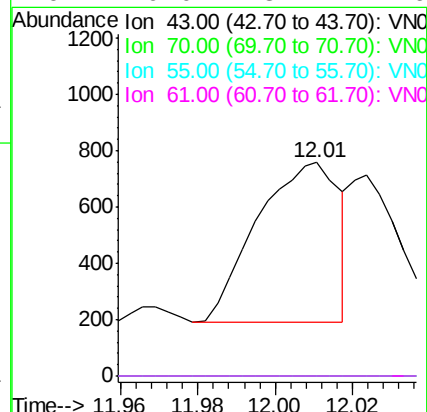
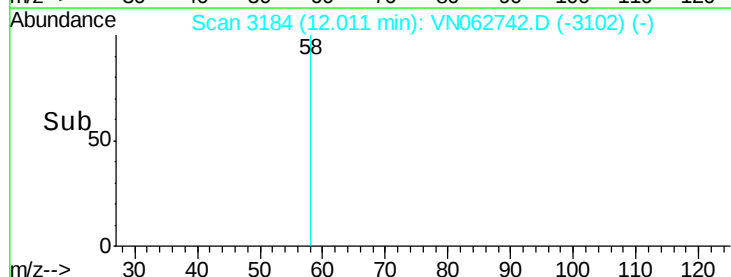


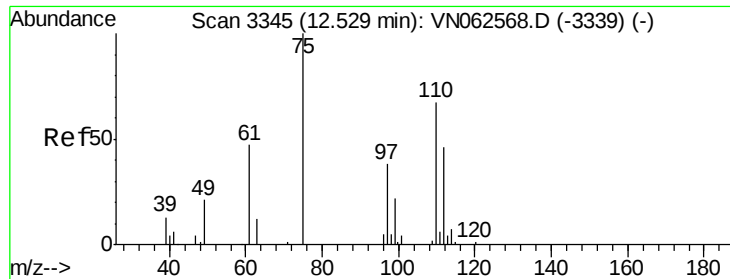
Abundance Ion 43.00 (42.70 to 43.70): V

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

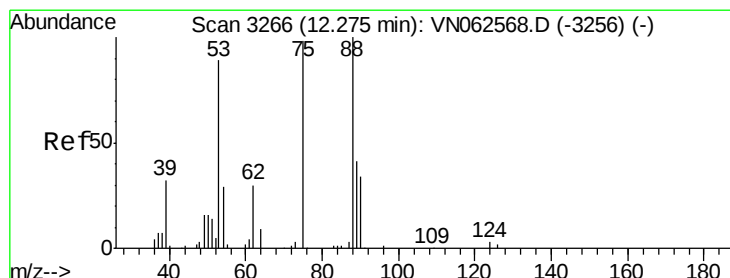
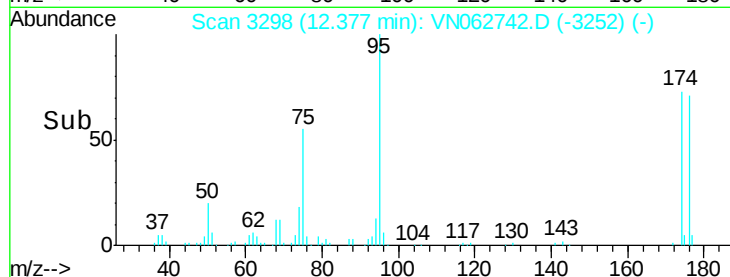
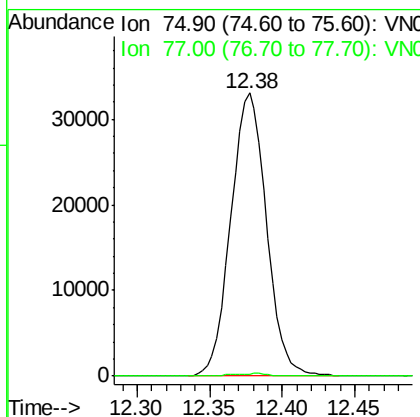
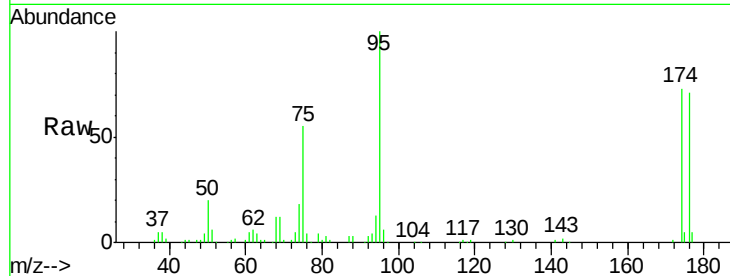




#76
 1,2,3-Trichloropropane
 Concen: 28.342 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.15 min
 Lab File: VN062742.D
 Acq: 3 Aug 2020 17:50

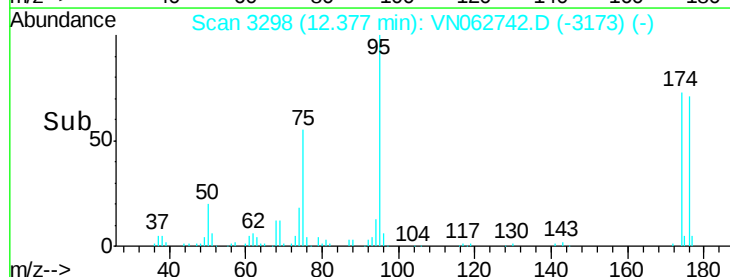
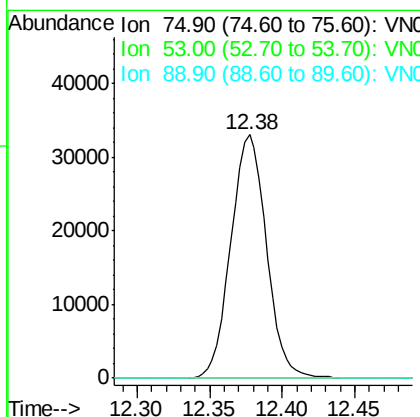
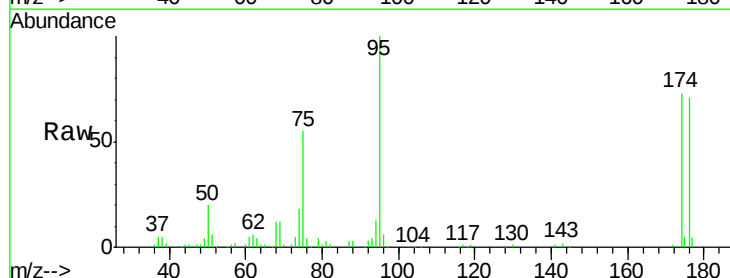
Instrument :
 MSVOA_N
 ClientSampleId :
 JTY1-WC-S-BL-IB

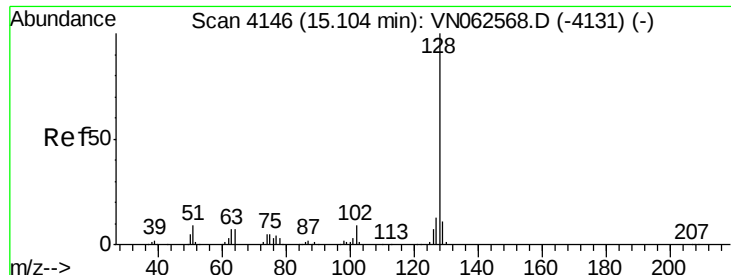
Tot Ion: 75 Resp: 56345
 Ion Ratio Lower Upper
 75 100
 77 0.9 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.897 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.10 min
 Lab File: VN062742.D
 Acq: 3 Aug 2020 17:50

Tgt Ion: 75 Resp: 56345
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.4 113.0#
 89 0.0 34.5 51.7#

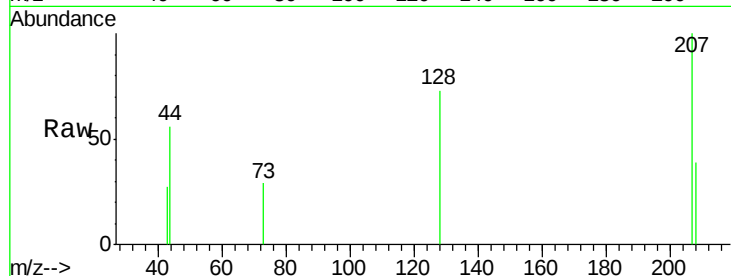




#95
Naphthalene
Concen: 3.929 ug/l
RT: 15.11 min Scan# 4148
Delta R.T. 0.01 min
Lab File: VN062742.D
Acq: 3 Aug 2020 17:50

Instrument :
MSVOA_N
ClientSampleId :
JTY1-WC-S-BL-IB

Tot 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): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

