

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080320\
 Data File : VN062743.D
 Acq On : 3 Aug 2020 18:14
 Operator : JC/MD
 Sample : L3537-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 JTY1-WC-S-0203

Quant Time: Aug 04 03:35:22 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	128405	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	229647	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	228468	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	82861	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	110188	55.24	ug/l	0.00
Spiked Amount			Recovery	=	110.48%	
35) Dibromofluoromethane	7.55	113	76715	50.86	ug/l	0.00
Spiked Amount			Recovery	=	101.72%	
50) Toluene-d8	10.06	98	301850	50.15	ug/l	0.00
Spiked Amount			Recovery	=	100.30%	
62) 4-Bromofluorobenzene	12.38	95	109069	49.56	ug/l	0.00
Spiked Amount			Recovery	=	99.12%	

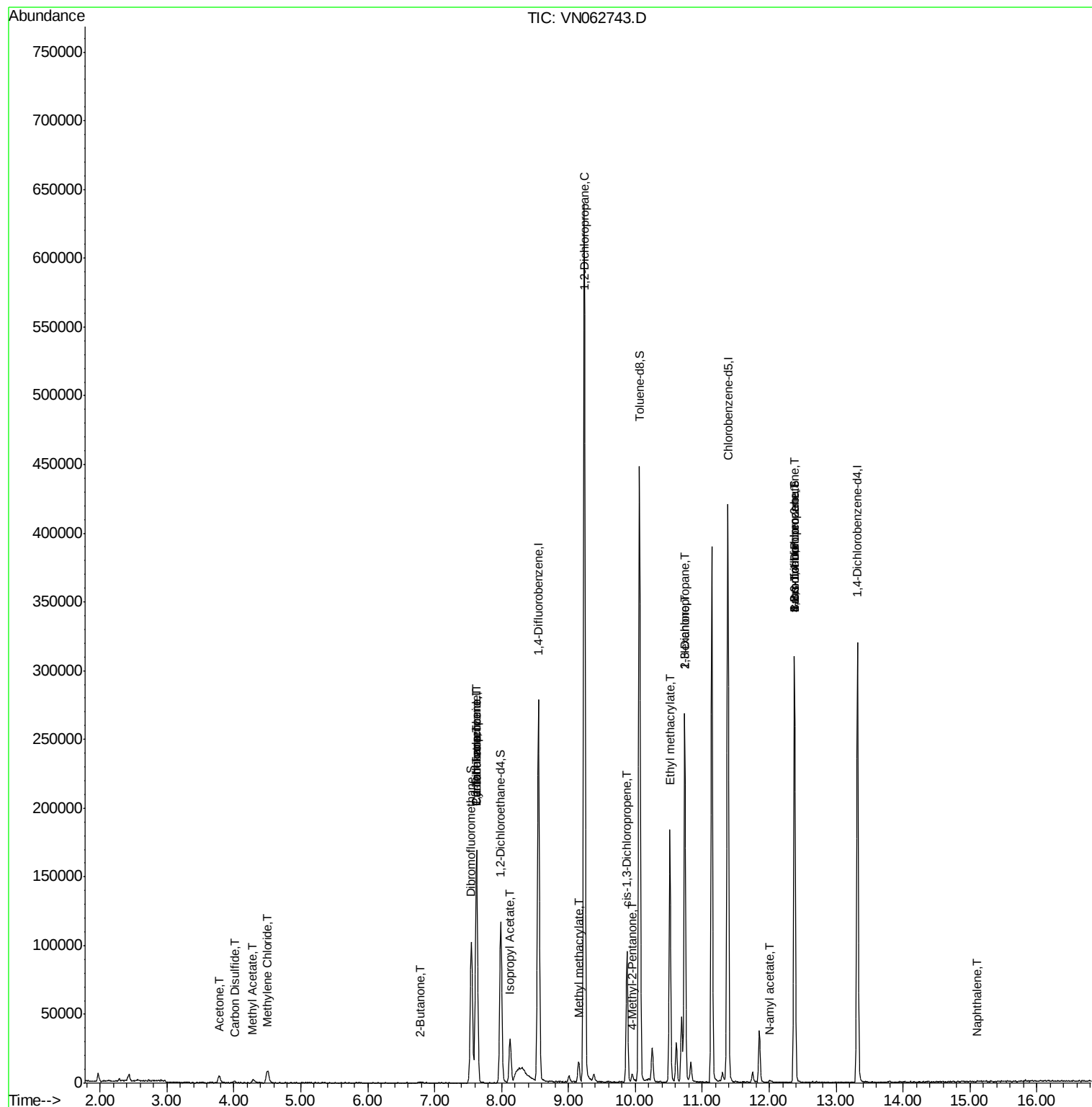
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	9423	12.554	ug/l #	86
17) Carbon Disulfide	4.01	76	2125	0.470	ug/l #	75
18) Methyl Acetate	4.28	43	4789	2.520	ug/l #	68
20) Methylene Chloride	4.49	84	3683	2.046	ug/l	86
25) 2-Butanone	6.79	43	1146	1.002	ug/l #	52
31) Cyclohexane	7.63	56	3226	1.098	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	10491	4.286	ug/l #	50
38) Carbon Tetrachloride	7.63	117	14138	6.009	ug/l #	18
43) Isopropyl Acetate	8.13	43	37753	8.876	ug/l #	90
45) 1,2-Dichloropropane	9.24	63	677	0.325	ug/l #	44
48) Methyl methacrylate	9.15	41	2307	1.141	ug/l #	15
51) 4-Methyl-2-Pentanone	9.95	43	4087	1.606	ug/l	99
54) cis-1,3-Dichloropropene	9.87	75	16403	5.271	ug/l #	66
56) Ethyl methacrylate	10.52	69	851	2.043	ug/l #	1
57) 1,3-Dichloropropane	10.73	76	2420	0.791	ug/l #	42
59) 2-Hexanone	10.74	43	38759	22.418	ug/l #	52
71) Bromoform	12.38	173	1015	0.750	ug/l #	1
74) N-amyl acetate	12.01	43	1042	0.356	ug/l #	45
76) 1,2,3-Trichloropropane	12.38	75	60148	28.518	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	60148	79.388	ug/l #	12
95) Naphthalene	15.11	128	574	3.905	ug/l #	69

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

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Quant Title : SW846 8260
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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: VN062743.D

Acq: 3 Aug 2020 18:14

Instrument :

MSVOA_N

ClientSampleId :

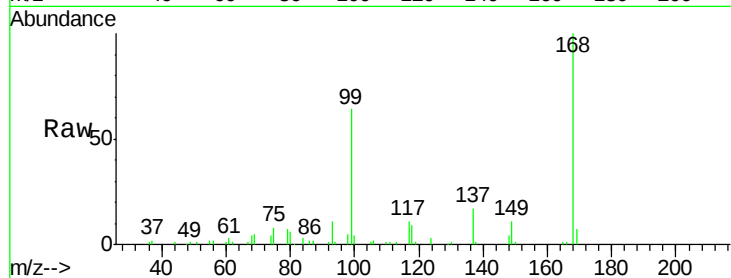
JTY1-WC-S-0203

Tot Ion:168 Resp: 128405

Ion Ratio Lower Upper

168 100

99 64.1 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

60000

50000

40000

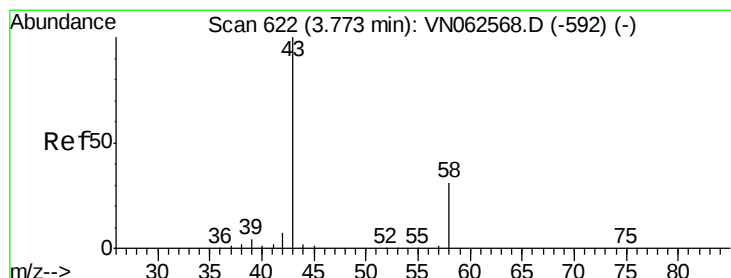
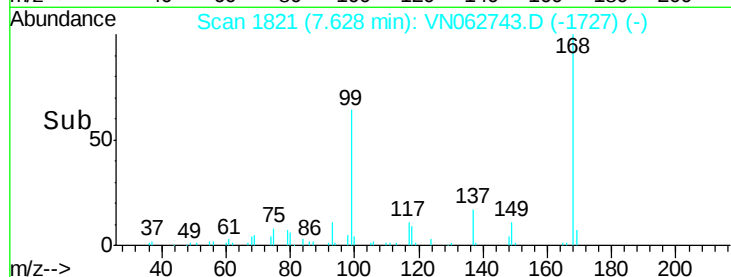
30000

20000

10000

0

Time--> 7.50 7.60 7.70



#16

Acetone

Concen: 12.554 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN062743.D

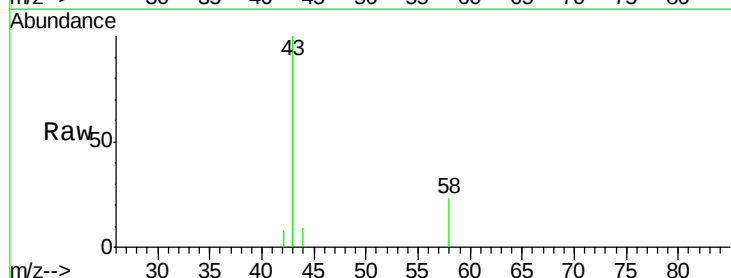
Acq: 3 Aug 2020 18:14

Tgt Ion: 43 Resp: 9423

Ion Ratio Lower Upper

43 100

58 23.0 24.6 37.0#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.78

4000

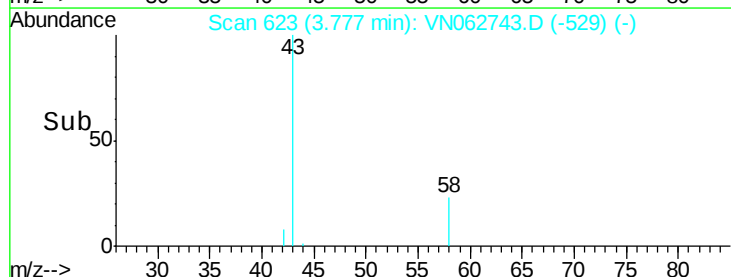
3000

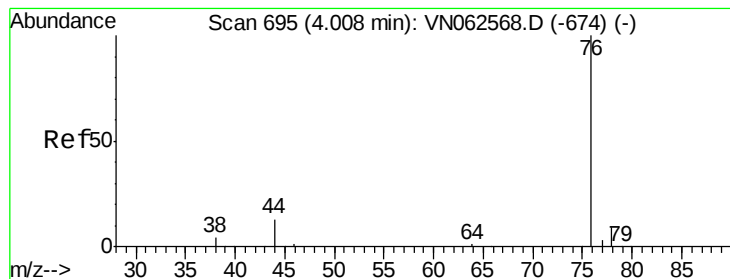
2000

1000

0

Time--> 3.70 3.75 3.80 3.85 3.90





#17

Carbon Disulfide

Concen: 0.470 ug/l

RT: 4.01 min Scan# 696

Delta R.T. 0.00 min

Lab File: VN062743.D

Acq: 3 Aug 2020 18:14

Instrument :

MSVOA_N

ClientSampleId :

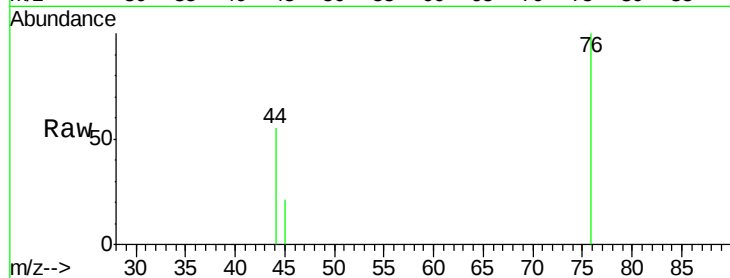
JTY1-WC-S-0203

Tot Ion: 76 Resp: 2125

Ion Ratio Lower Upper

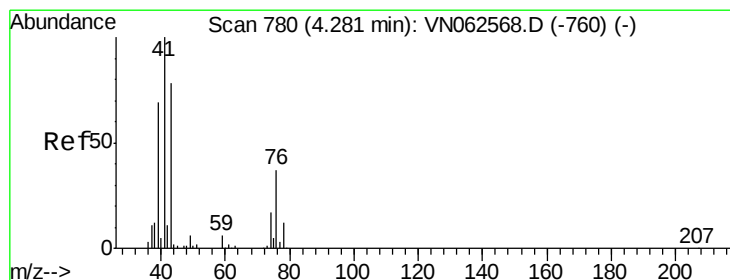
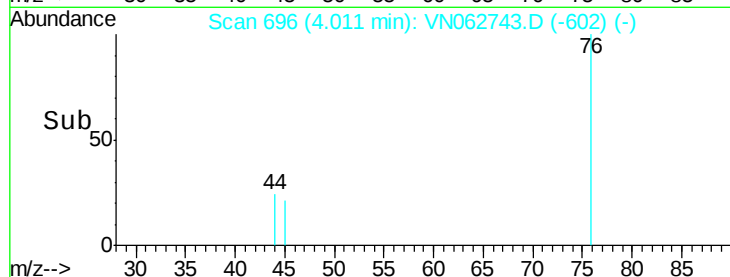
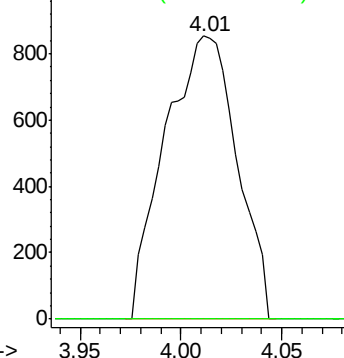
76 100

78 0.0 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 2.520 ug/l

RT: 4.28 min Scan# 780

Delta R.T. -0.00 min

Lab File: VN062743.D

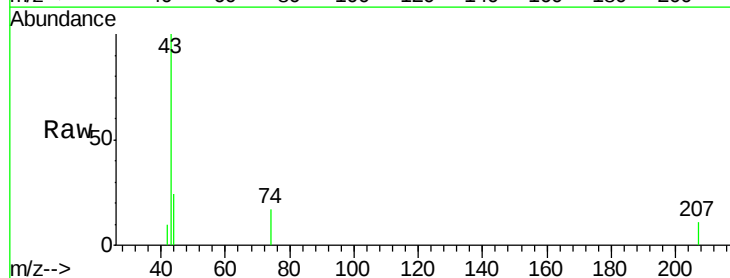
Acq: 3 Aug 2020 18:14

Tgt Ion: 43 Resp: 4789

Ion Ratio Lower Upper

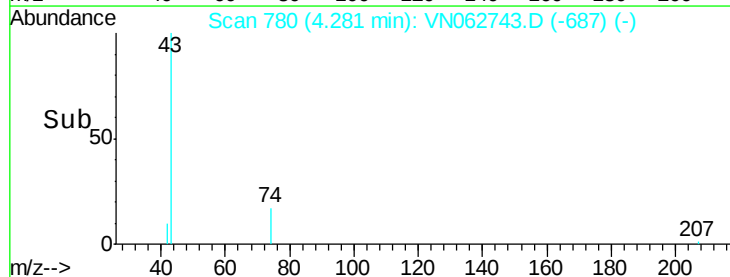
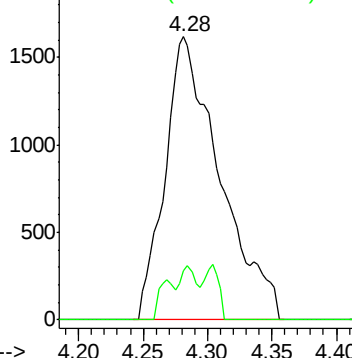
43 100

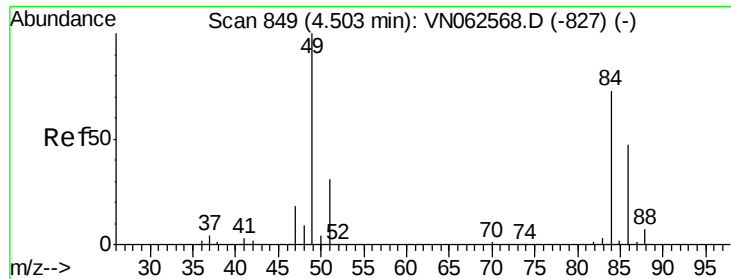
74 5.9 16.6 24.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

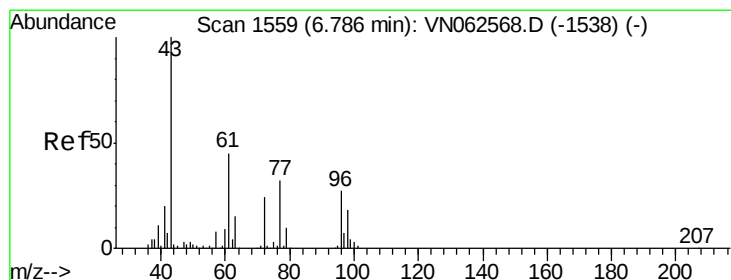
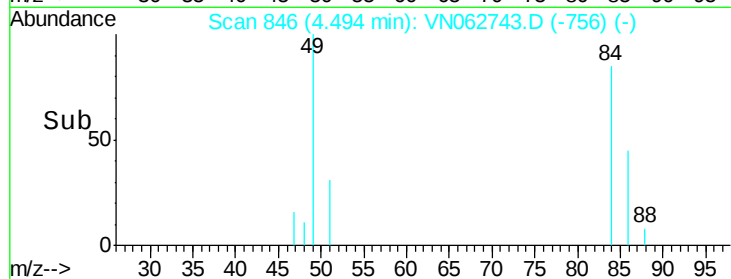
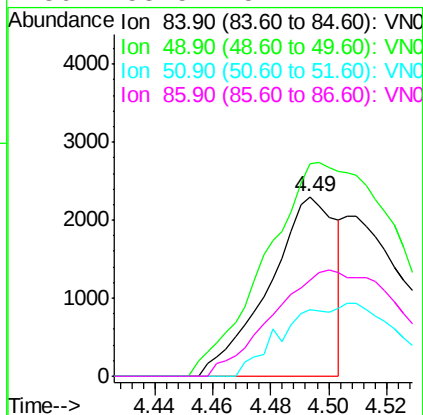
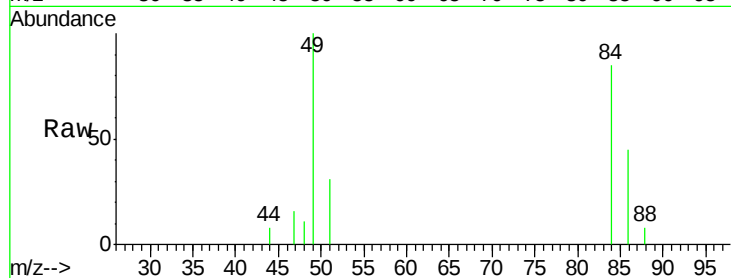




#20
Methvlene Chloride
Concen: 2.046 ug/l
RT: 4.49 min Scan# 846
Delta R.T. -0.01 min
Lab File: VN062743.D
Acq: 3 Aug 2020 18:14

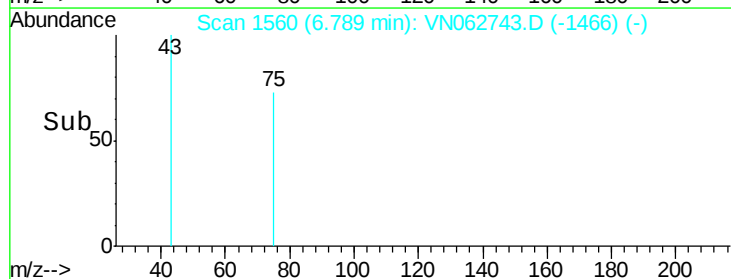
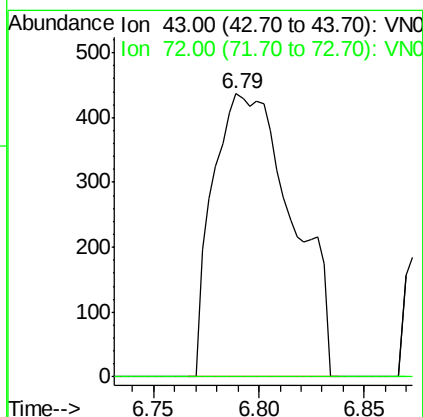
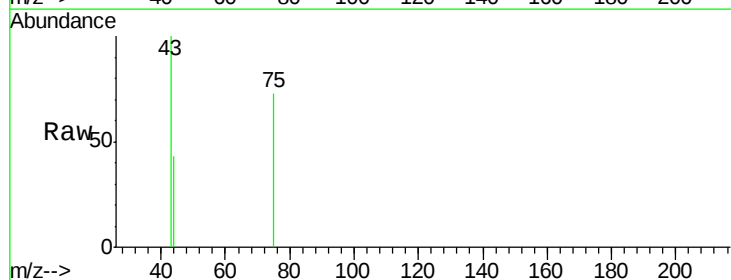
Instrument :
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JTY1-WC-S-0203

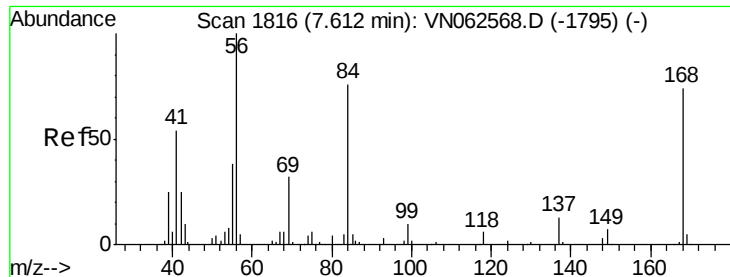
Tot Ion: 84 Resp: 3683
Ion Ratio Lower Upper
84 100
49 118.1 109.4 164.0
51 36.9 33.6 50.4
86 53.5 51.4 77.2



#25
2-Butanone
Concen: 1.002 ug/l
RT: 6.79 min Scan# 1560
Delta R.T. 0.00 min
Lab File: VN062743.D
Acq: 3 Aug 2020 18:14

Tgt Ion: 43 Resp: 1146
Ion Ratio Lower Upper
43 100
72 0.0 19.0 28.6#

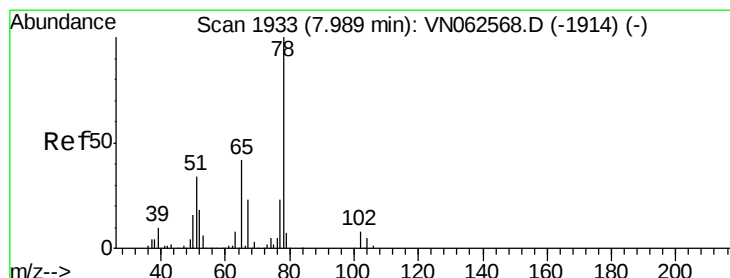
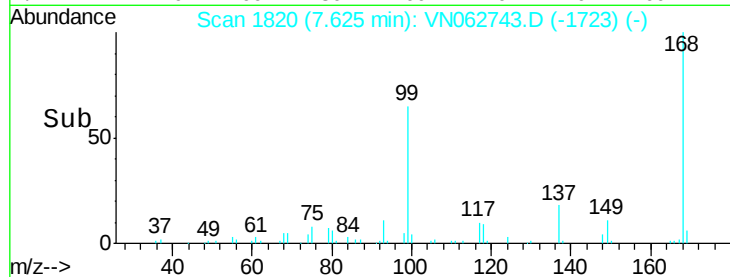
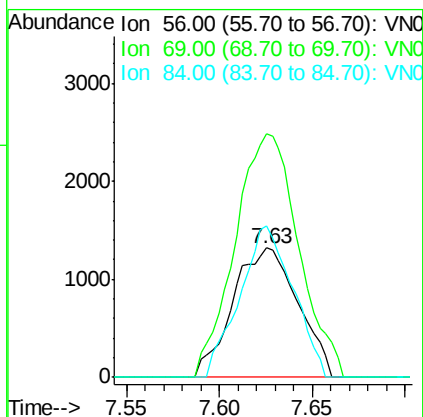
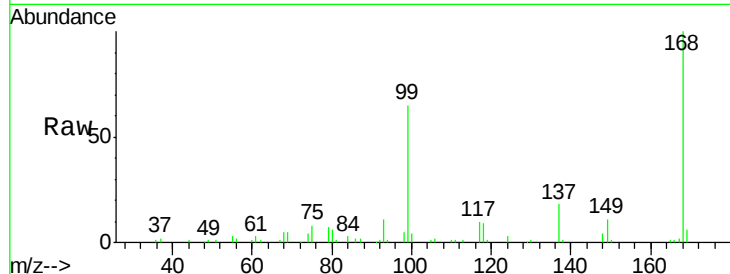




#31
Cyclohexane
Concen: 1.098 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. 0.01 min
Lab File: VN062743.D
Acq: 3 Aug 2020 18:14

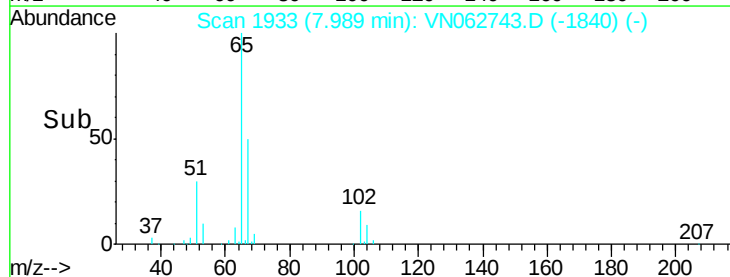
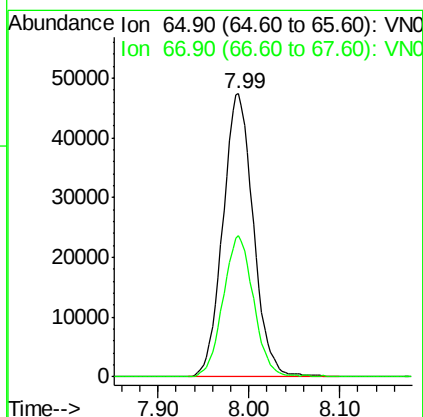
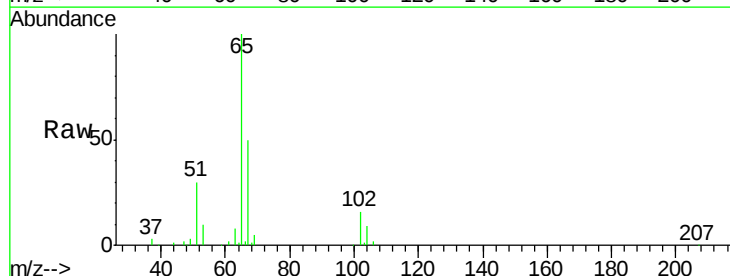
Instrument :
MSVOA_N
ClientSampleId :
JTY1-WC-S-0203

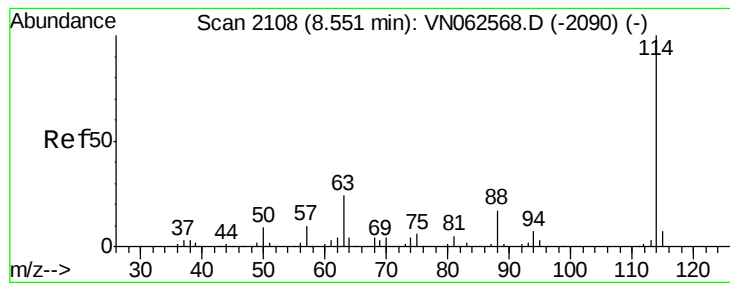
Tot Ion: 56 Resp: 3226
Ion Ratio Lower Upper
56 100
69 188.5 25.3 37.9#
84 117.2 61.0 91.4#



#33
1,2-Dichloroethane-d4
Concen: 55.240 ug/l
RT: 7.99 min Scan# 1933
Delta R.T. -0.00 min
Lab File: VN062743.D
Acq: 3 Aug 2020 18:14

Tgt Ion: 65 Resp: 110188
Ion Ratio Lower Upper
65 100
67 49.7 0.0 106.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. -0.00 min

Lab File: VN062743.D

Acq: 3 Aug 2020 18:14

Instrument :

MSVOA_N

ClientSampleId :

JTY1-WC-S-0203

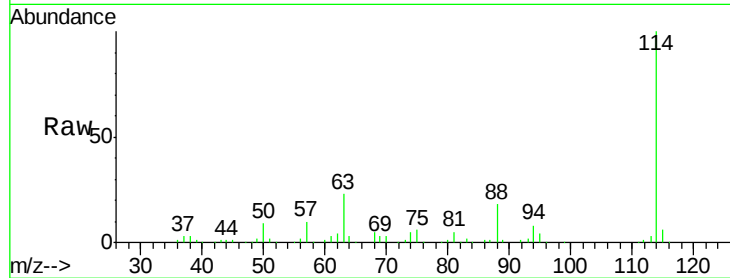
Tot Ion:114 Resp: 229647

Ion Ratio Lower Upper

114 100

63 23.0 0.0 48.4

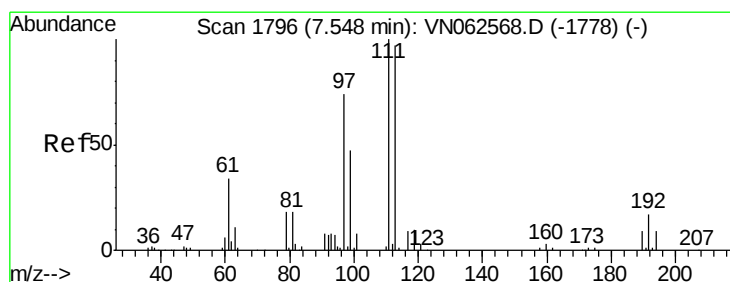
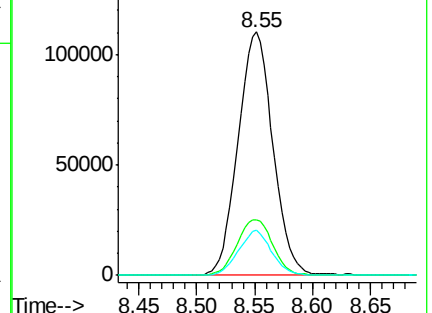
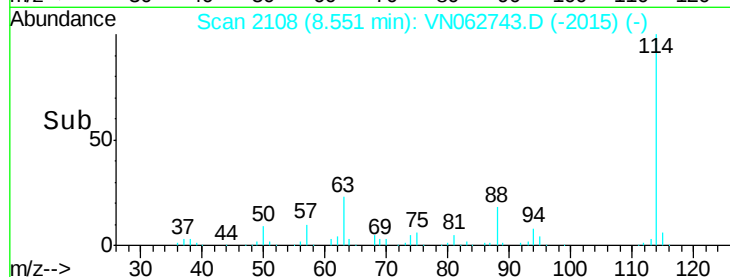
88 18.5 0.0 33.8



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: 50.857 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN062743.D

Acq: 3 Aug 2020 18:14

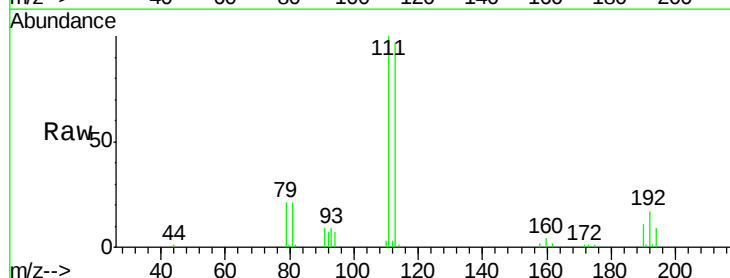
Tgt Ion:113 Resp: 76715

Ion Ratio Lower Upper

113 100

111 104.4 82.7 124.1

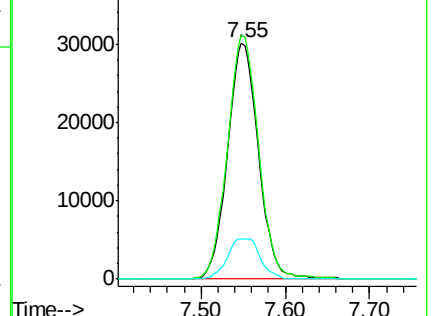
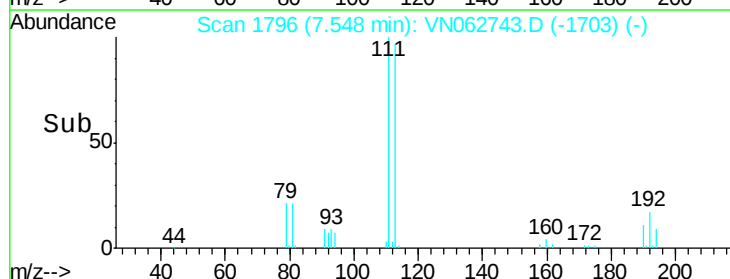
192 18.2 14.8 22.2

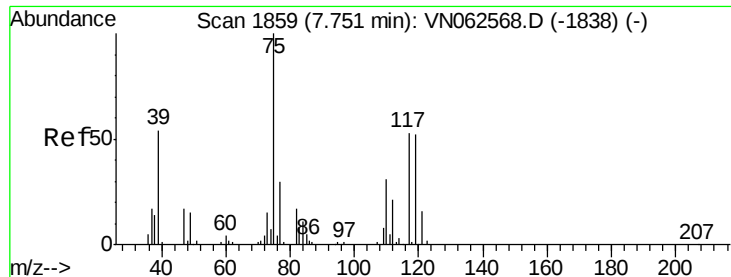


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

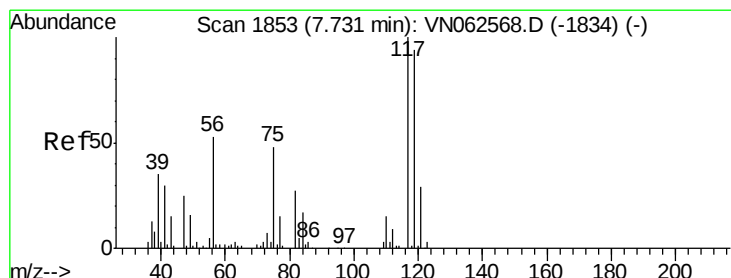
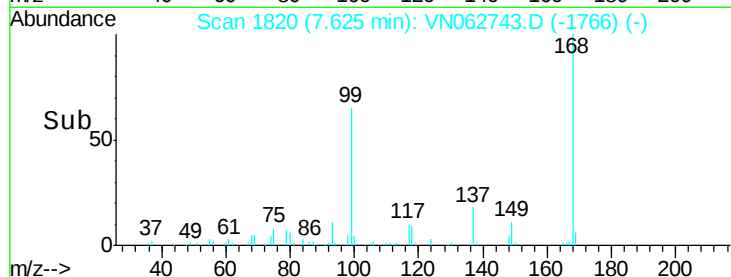
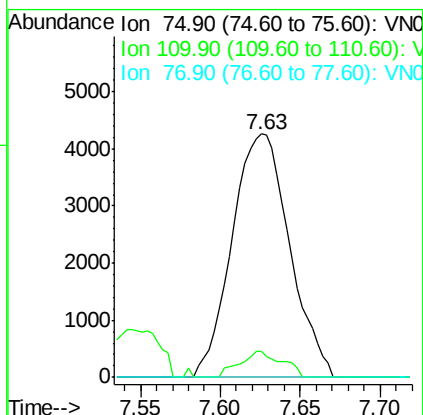
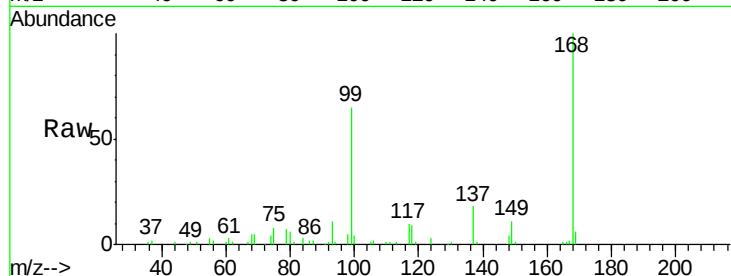




#36
 1,1-Dichloropropene
 Concen: 4.286 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062743.D
 Acq: 3 Aug 2020 18:14

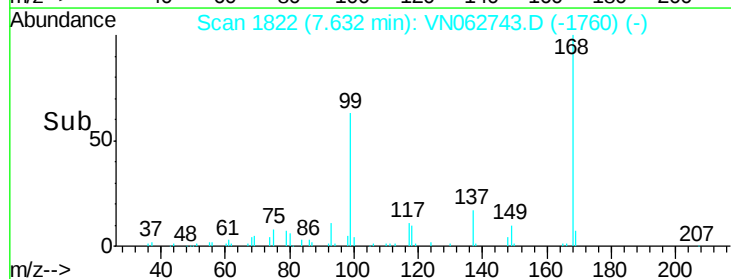
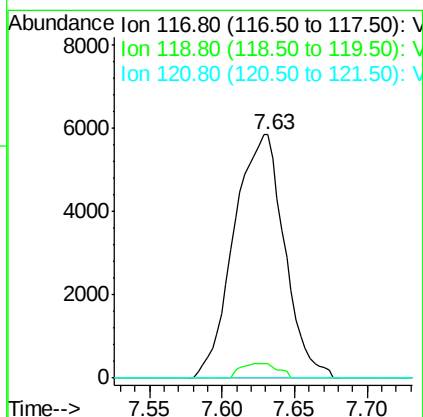
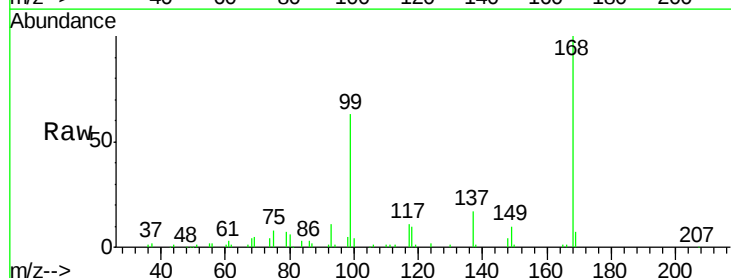
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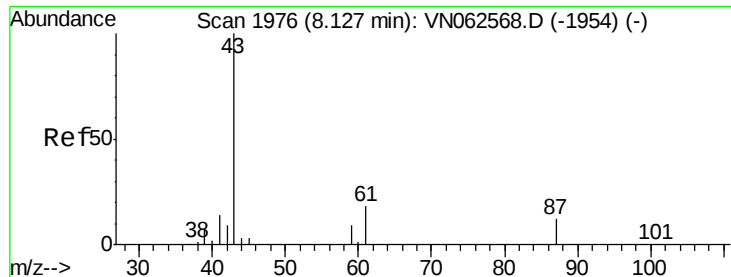
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.9	16.0	48.0#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.009 ug/l
 RT: 7.63 min Scan# 1822
 Delta R.T. -0.10 min
 Lab File: VN062743.D
 Acq: 3 Aug 2020 18:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.9	74.8	112.2#
121	0.0	23.0	34.6#





#43

Isopropyl Acetate

Concen: 8.876 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN062743.D

Acq: 3 Aug 2020 18:14

Instrument :

MSVOA_N

ClientSampleId :

JTY1-WC-S-0203

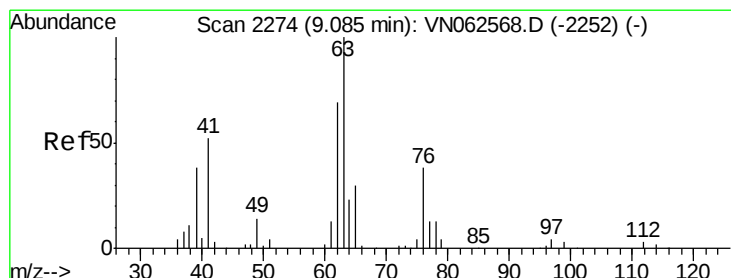
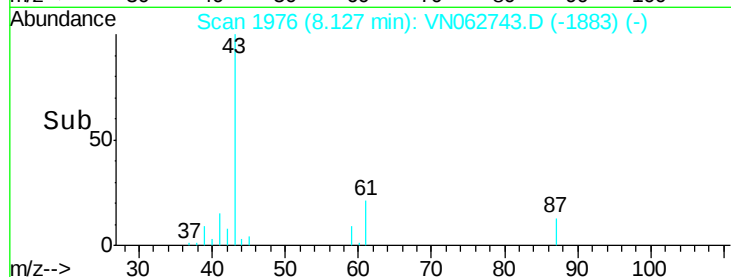
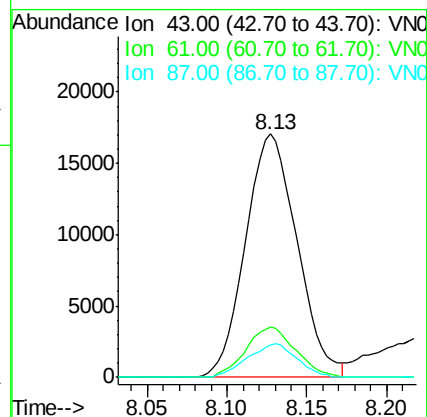
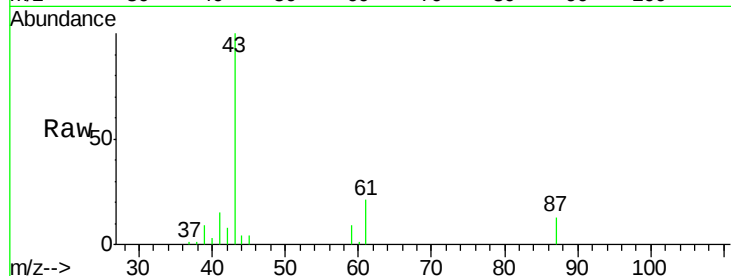
Tot Ion: 43 Resp: 37753

Ion Ratio Lower Upper

43 100

61 19.8 20.8 31.2#

87 13.2 9.2 13.8



#45

1,2-Dichloropropane

Concen: 0.325 ug/l

RT: 9.24 min Scan# 2322

Delta R.T. 0.15 min

Lab File: VN062743.D

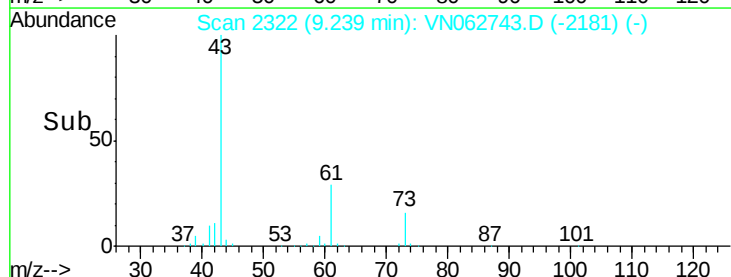
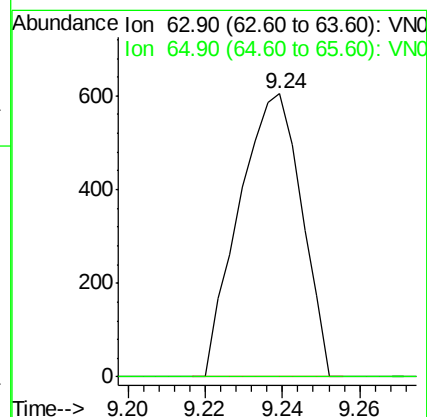
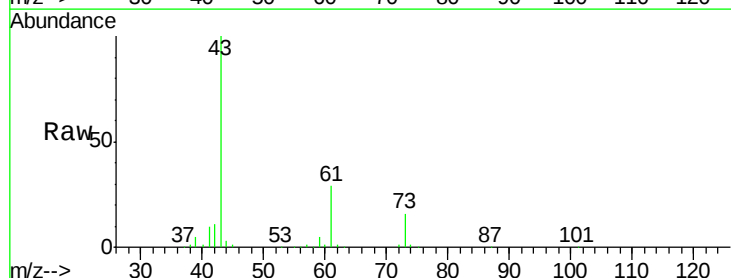
Acq: 3 Aug 2020 18:14

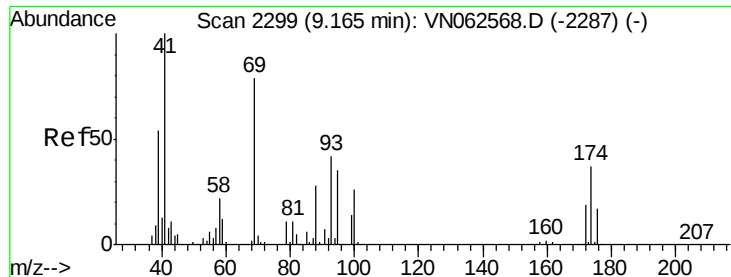
Tgt Ion: 63 Resp: 677

Ion Ratio Lower Upper

63 100

65 0.0 24.4 36.6#

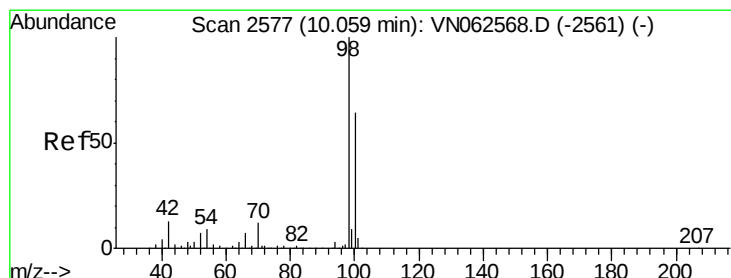
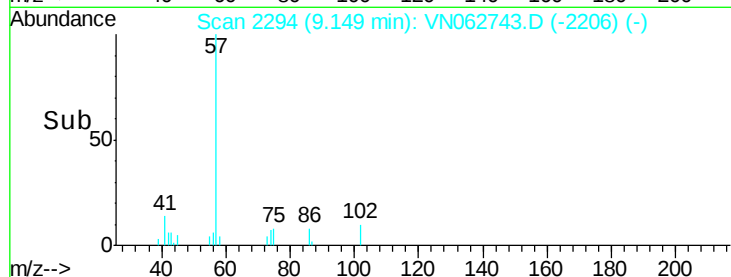
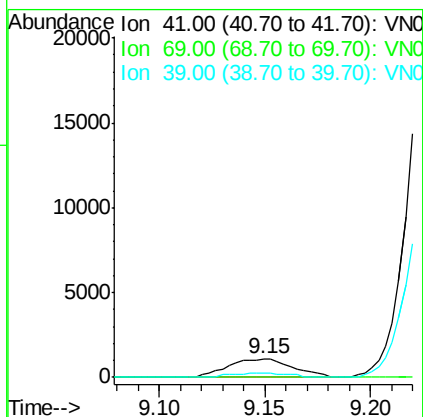
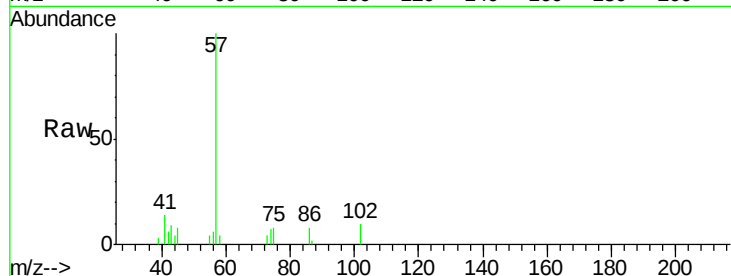




#48
Methvl methacrylate
Concen: 1.141 ug/l
RT: 9.15 min Scan# 2294
Delta R.T. -0.02 min
Lab File: VN062743.D
Acq: 3 Aug 2020 18:14

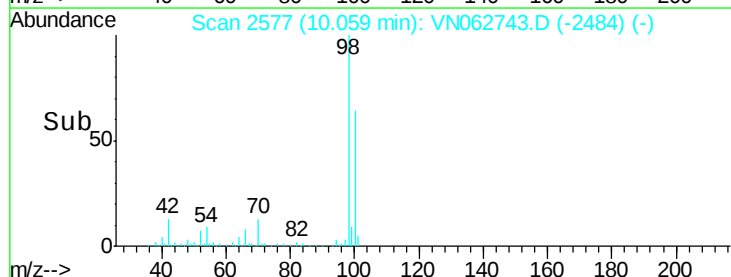
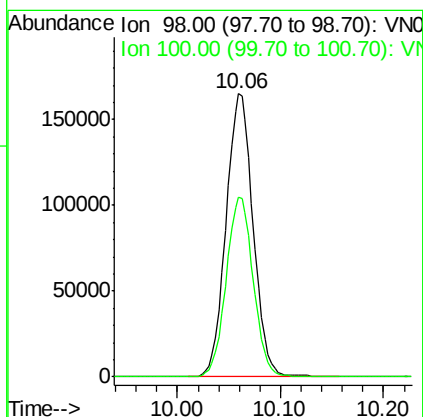
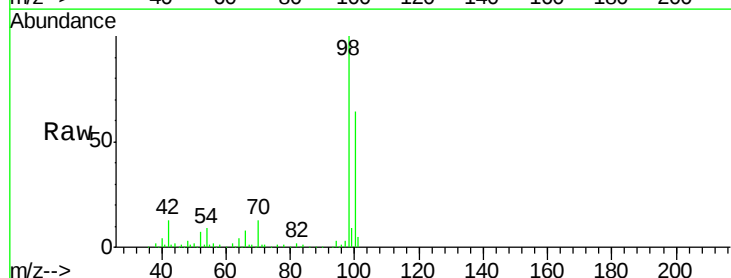
Instrument :
MSVOA_N
ClientSampleId :
JTY1-WC-S-0203

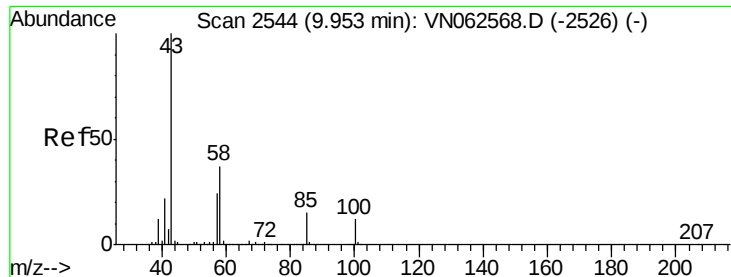
Tot Ion: 41 Resp: 2307
Ion Ratio Lower Upper
41 100
69 0.0 64.4 96.6#
39 0.0 43.5 65.3#



#50
Toluene-d8
Concen: 50.153 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062743.D
Acq: 3 Aug 2020 18:14

Tgt Ion: 98 Resp: 301850
Ion Ratio Lower Upper
98 100
100 63.2 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 1.606 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN062743.D

Acq: 3 Aug 2020 18:14

Instrument :

MSVOA_N

ClientSampleId :

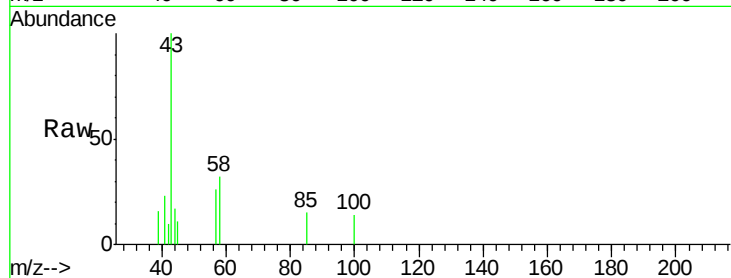
JTY1-WC-S-0203

Tot Ion: 43 Resp: 4087

Ion Ratio Lower Upper

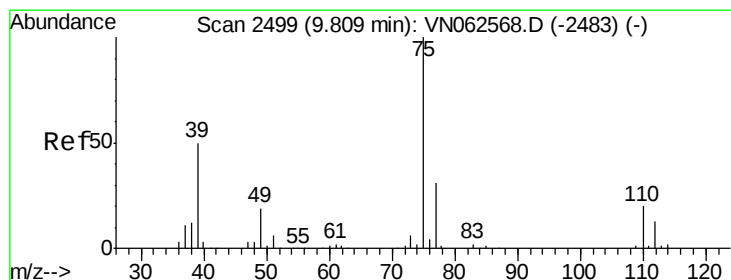
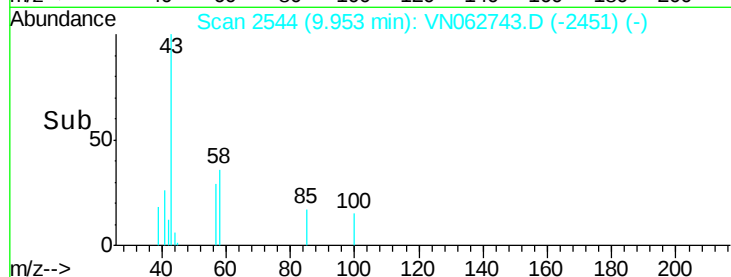
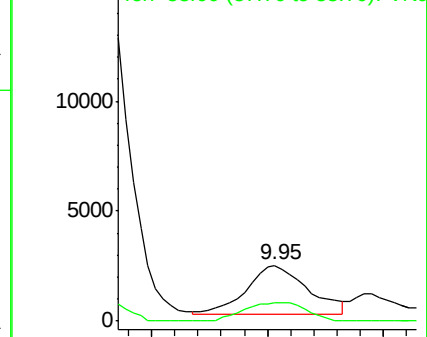
43 100

58 37.9 29.8 44.6



Abundance Ion 43.00 (42.70 to 43.70): VN062743.D (-2451) (-)

Ion 58.00 (57.70 to 58.70): VN062743.D (-2451) (-)



#54

cis-1,3-Dichloropropene

Concen: 5.271 ug/l

RT: 9.87 min Scan# 2519

Delta R.T. 0.06 min

Lab File: VN062743.D

Acq: 3 Aug 2020 18:14

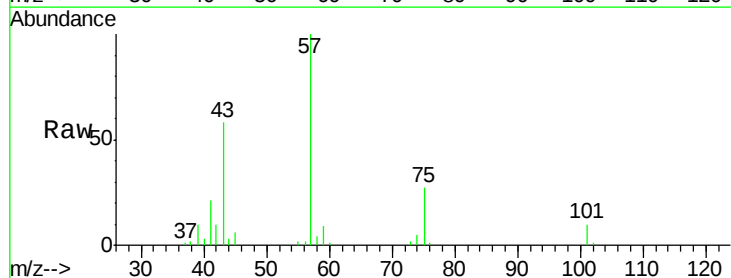
Tgt Ion: 75 Resp: 16403

Ion Ratio Lower Upper

75 100

77 0.0 25.0 37.6#

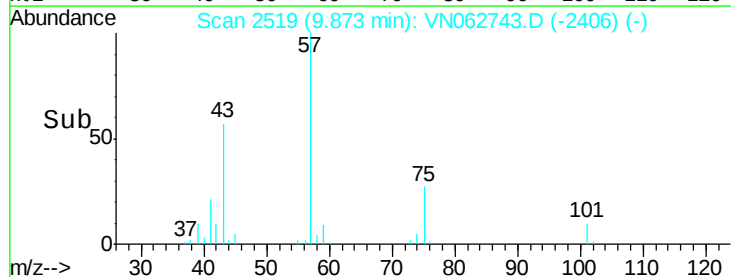
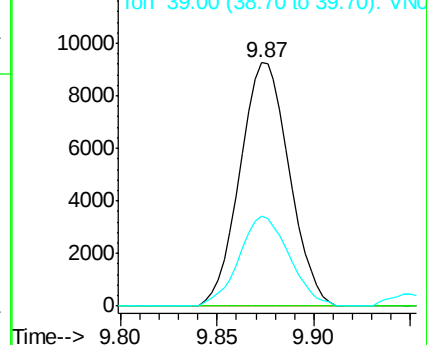
39 36.8 39.8 59.8#

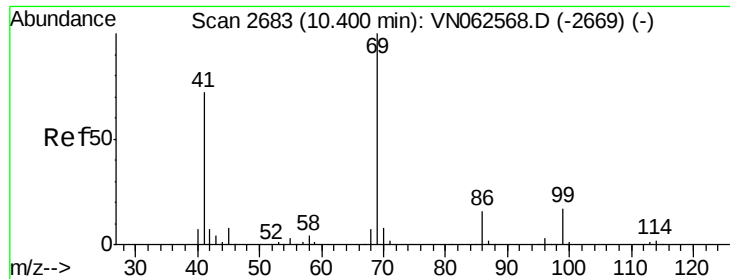


Abundance Ion 74.90 (74.60 to 75.60): VN062743.D (-2406) (-)

Ion 76.90 (76.60 to 77.60): VN062743.D (-2406) (-)

Ion 39.00 (38.70 to 39.70): VN062743.D (-2406) (-)





#56

Ethyl methacrylate

Concen: 2.043 ug/l

RT: 10.52 min Scan# 2719

Delta R.T. 0.12 min

Lab File: VN062743.D

Acq: 3 Aug 2020 18:14

Instrument :

MSVOA_N

ClientSampleId :

JTY1-WC-S-0203

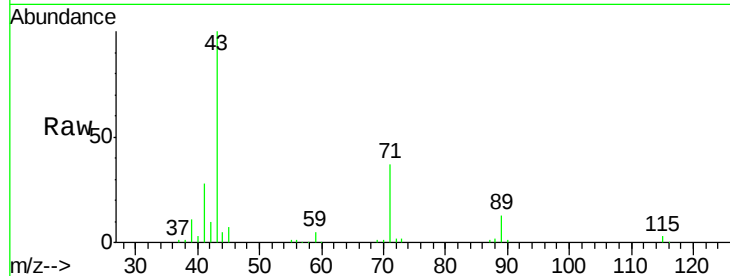
Tot Ion: 69 Resp: 851

Ion Ratio Lower Upper

69 100

41 4262.0 57.2 85.8#

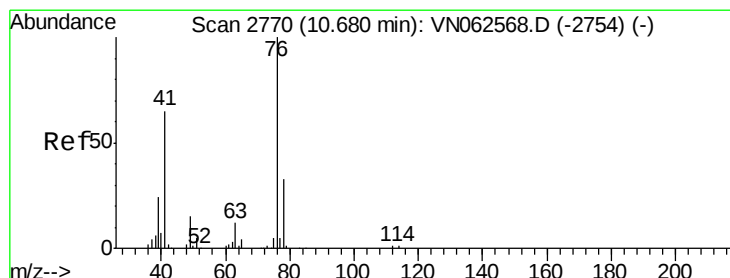
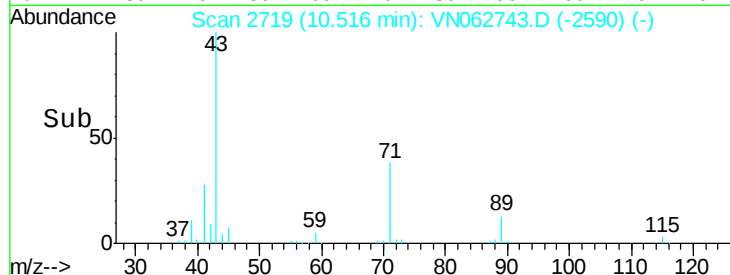
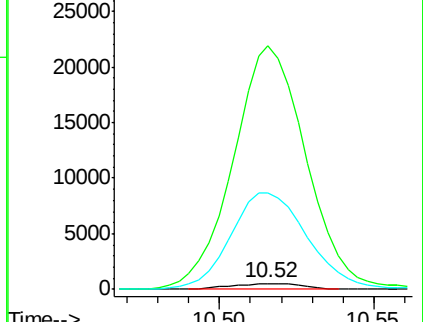
39 1768.2 28.6 43.0#



Abundance Ion 69.00 (68.70 to 69.70): VN062743.D (-2590) (-)

Ion 41.00 (40.70 to 41.70): VN062743.D (-2590) (-)

Ion 39.00 (38.70 to 39.70): VN062743.D (-2590) (-)



#57

1,3-Dichloropropane

Concen: 0.791 ug/l

RT: 10.73 min Scan# 2787

Delta R.T. 0.05 min

Lab File: VN062743.D

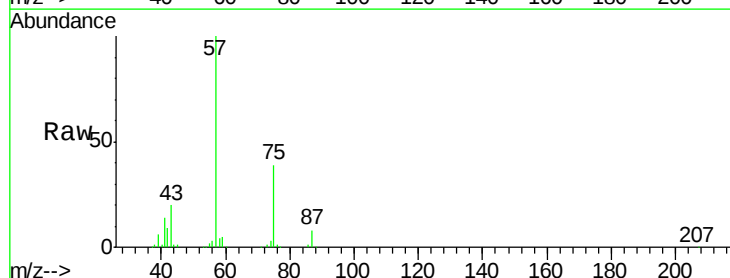
Acq: 3 Aug 2020 18:14

Tgt Ion: 76 Resp: 2420

Ion Ratio Lower Upper

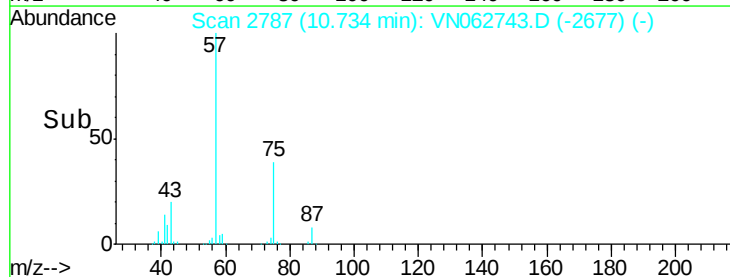
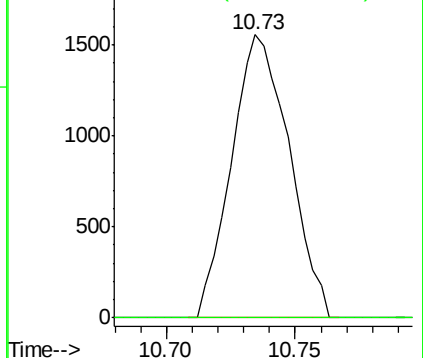
76 100

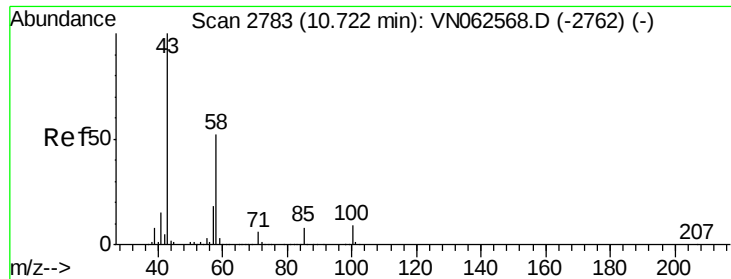
78 0.0 26.3 39.5#



Abundance Ion 75.90 (75.60 to 76.60): VN062743.D (-2677) (-)

Ion 77.90 (77.60 to 78.60): VN062743.D (-2677) (-)





#59

2-Hexanone

Concen: 22.418 ug/l

RT: 10.74 min Scan# 2788

Delta R.T. 0.02 min

Lab File: VN062743.D

Acq: 3 Aug 2020 18:14

Instrument :

MSVOA_N

ClientSampleId :

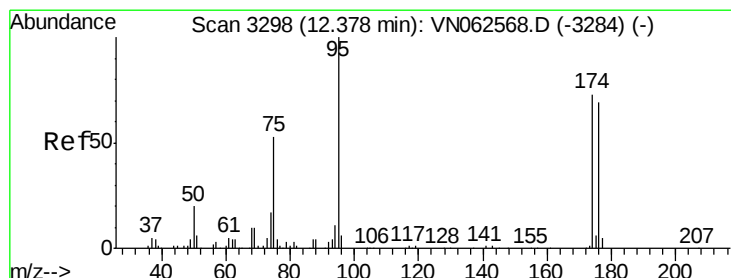
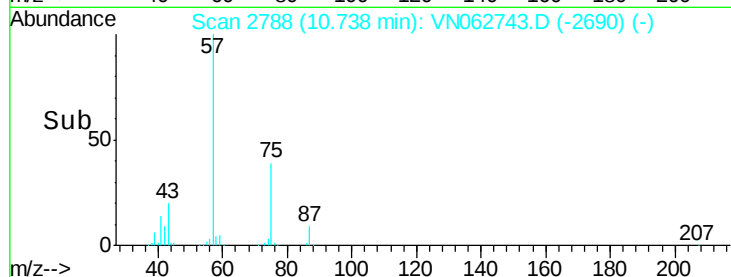
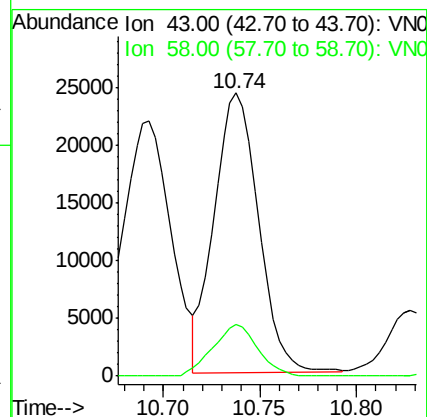
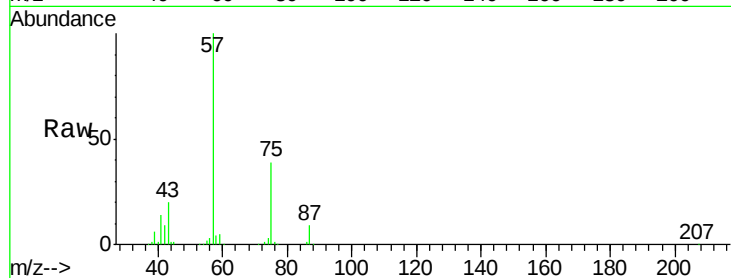
JTY1-WC-S-0203

Tot Ion: 43 Resp: 38759

Ion Ratio Lower Upper

43 100

58 18.6 26.0 78.0#



#62

4-Bromofluorobenzene

Concen: 49.562 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062743.D

Acq: 3 Aug 2020 18:14

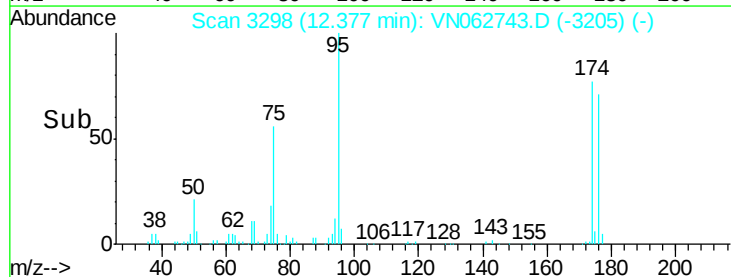
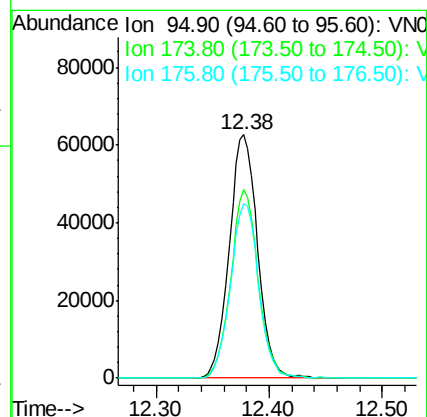
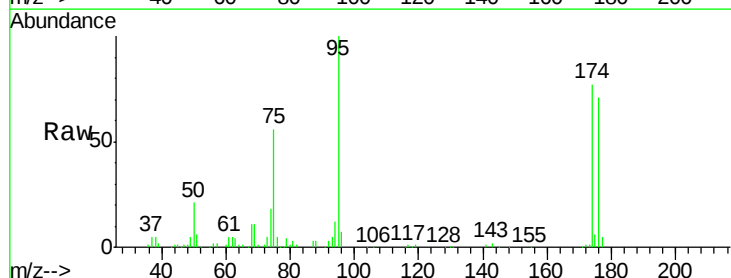
Tgt Ion: 95 Resp: 109069

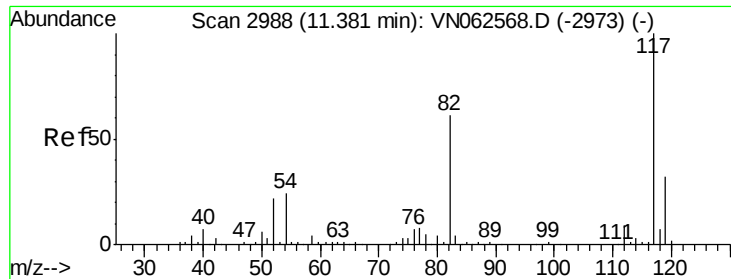
Ion Ratio Lower Upper

95 100

174 75.1 0.0 144.6

176 71.2 0.0 139.4

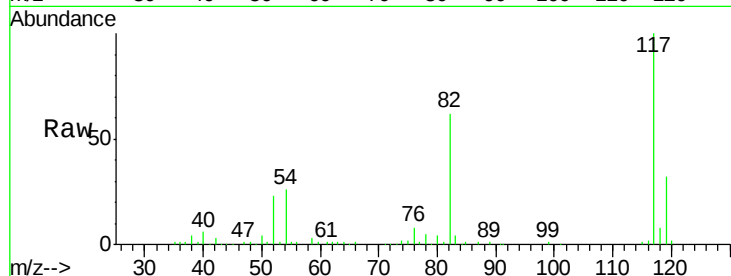




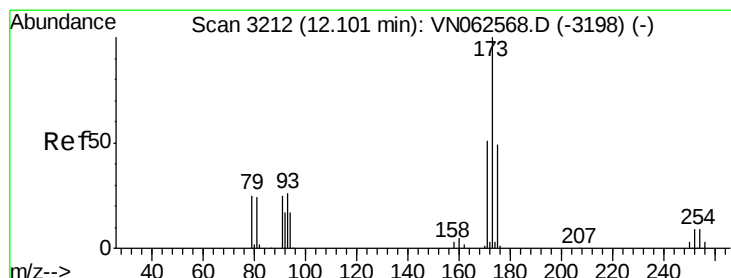
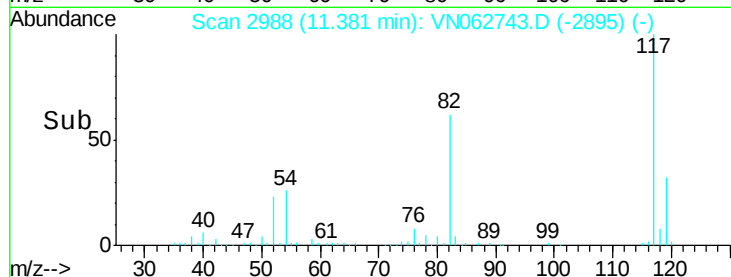
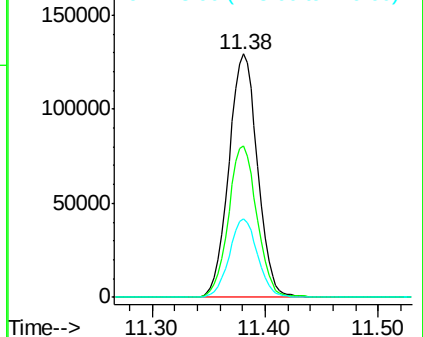
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062743.D
Acq: 3 Aug 2020 18:14

Instrument :
MSVOA_N
ClientSampleId :
JTY1-WC-S-0203

Tot Ion:117 Resp: 228468
Ion Ratio Lower Upper
117 100
82 62.0 49.0 73.6
119 32.2 25.4 38.2

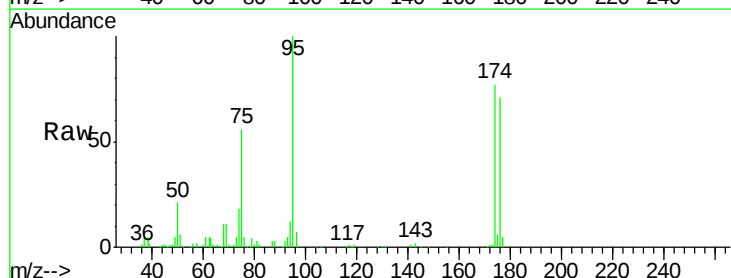


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

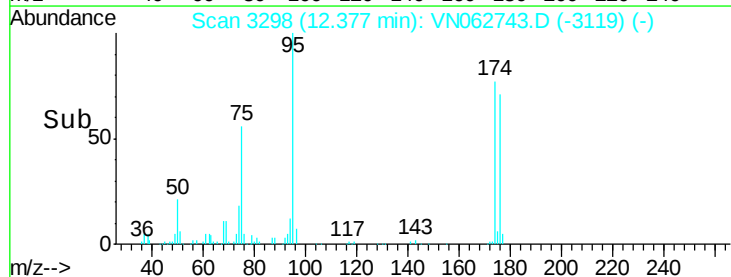
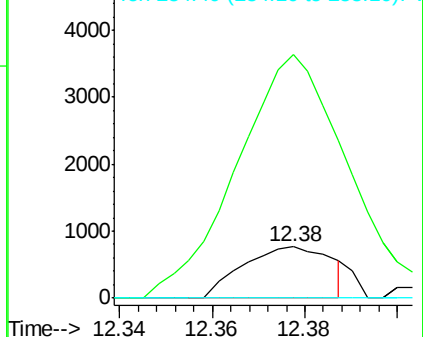


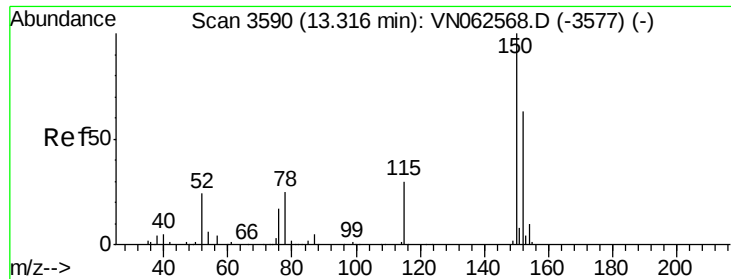
#71
Bromoform
Concen: 0.750 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.28 min
Lab File: VN062743.D
Acq: 3 Aug 2020 18:14

Tgt Ion:173 Resp: 1015
Ion Ratio Lower Upper
173 100
175 497.4 24.1 72.2#
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: VN062743.D

Acq: 3 Aug 2020 18:14

Instrument :

MSVOA_N

ClientSampleId :

JTY1-WC-S-0203

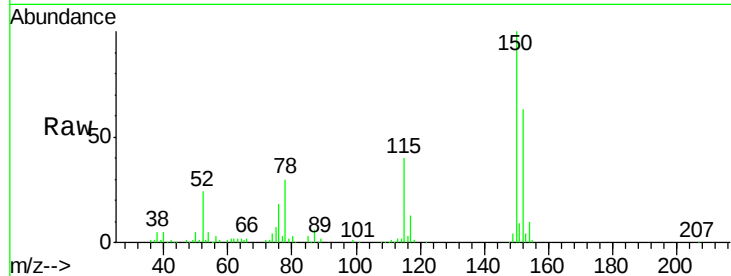
Tot Ion:152 Resp: 82861

Ion Ratio Lower Upper

152 100

115 63.2 31.8 95.4

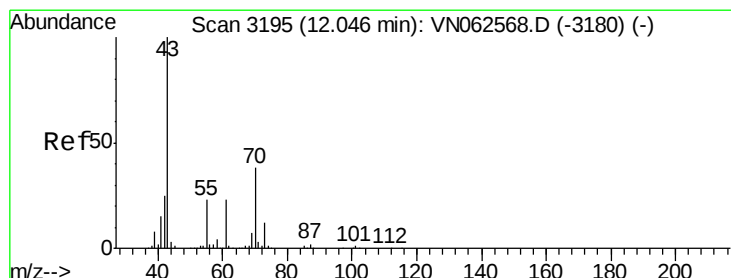
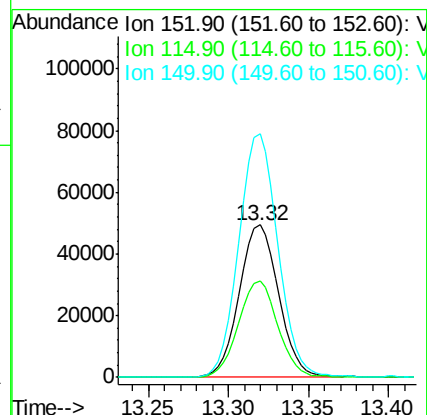
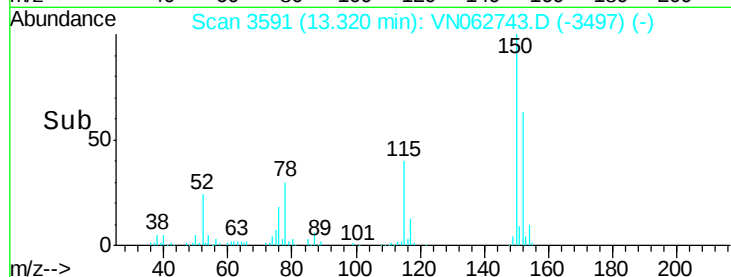
150 158.7 0.0 351.4



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: 0.356 ug/l

RT: 12.01 min Scan# 3183

Delta R.T. -0.04 min

Lab File: VN062743.D

Acq: 3 Aug 2020 18:14

Tgt Ion: 43 Resp: 1042

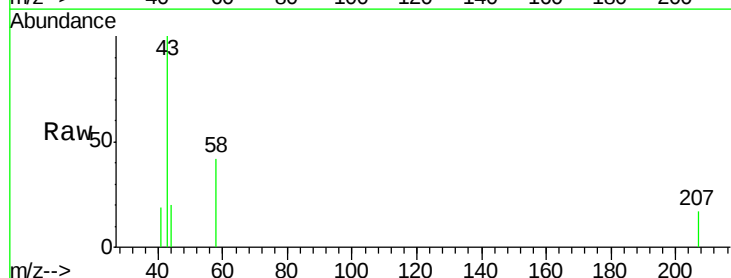
Ion Ratio Lower Upper

43 100

70 0.0 30.5 45.7#

55 0.0 19.0 28.6#

61 0.0 18.4 27.6#

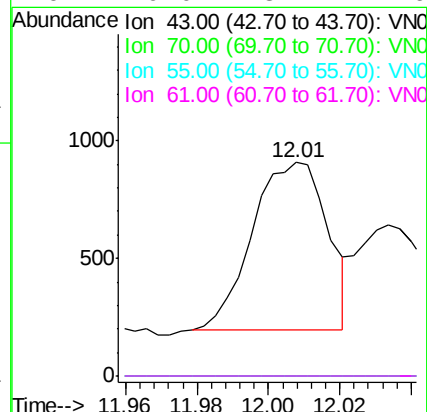
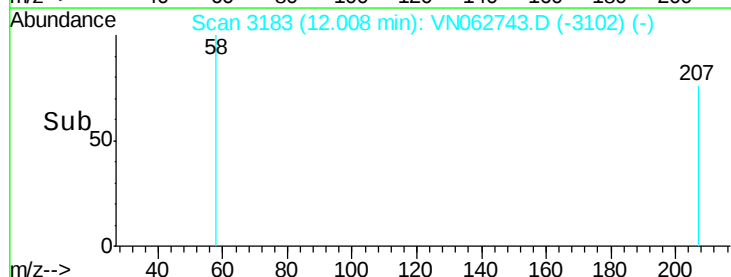


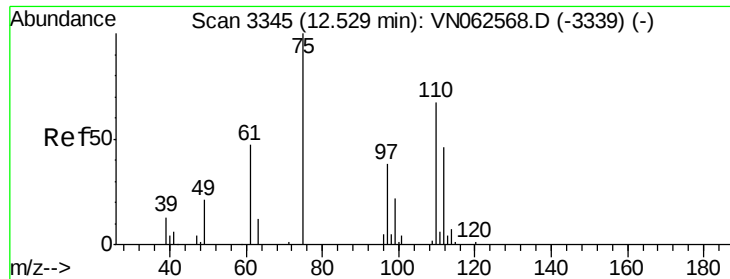
Abundance Ion 43.00 (42.70 to 43.70): V

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: 28.518 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062743.D

Acq: 3 Aug 2020 18:14

Instrument :

MSVOA_N

ClientSampleId :

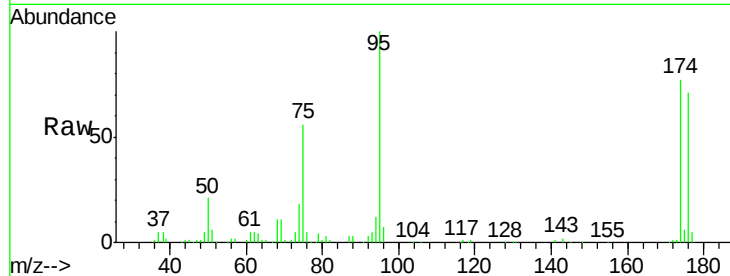
JTY1-WC-S-0203

Tot Ion: 75 Resp: 60148

Ion Ratio Lower Upper

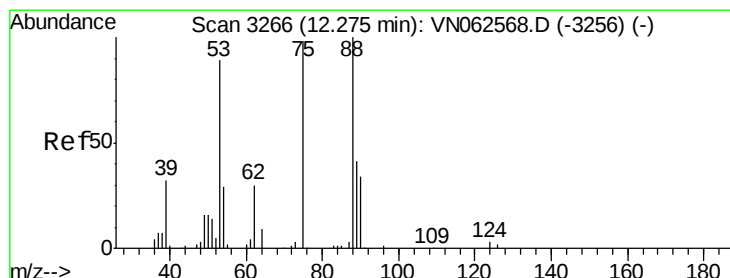
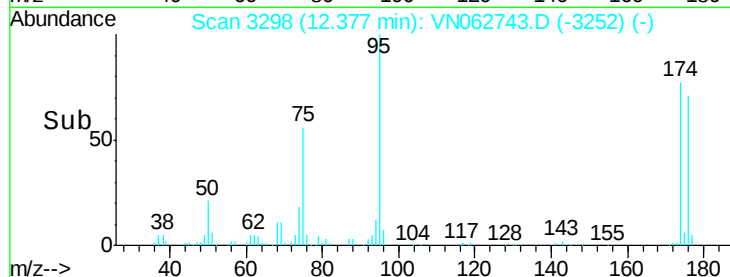
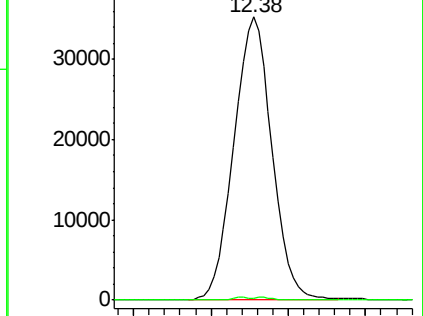
75 100

77 0.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO



#81

trans-1,4-Dichloro-2-butene

Concen: 79.388 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062743.D

Acq: 3 Aug 2020 18:14

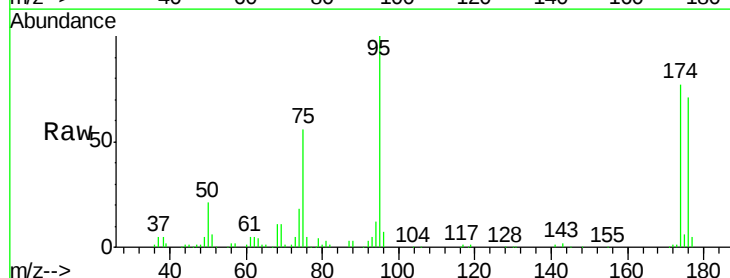
Tgt Ion: 75 Resp: 60148

Ion Ratio Lower Upper

75 100

53 0.0 75.4 113.0#

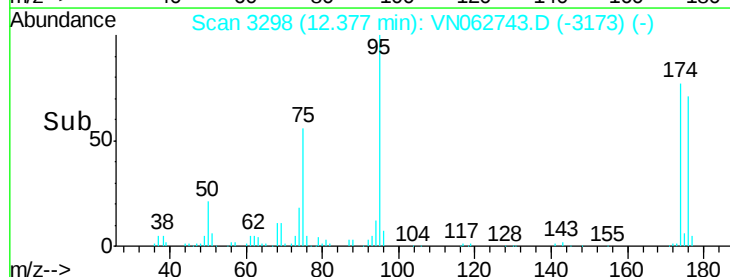
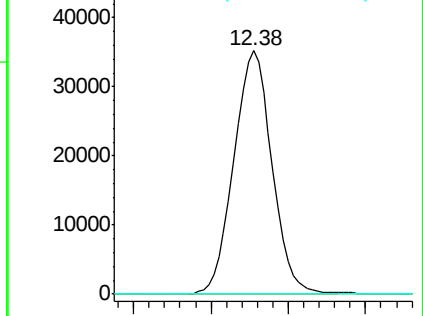
89 0.0 34.5 51.7#

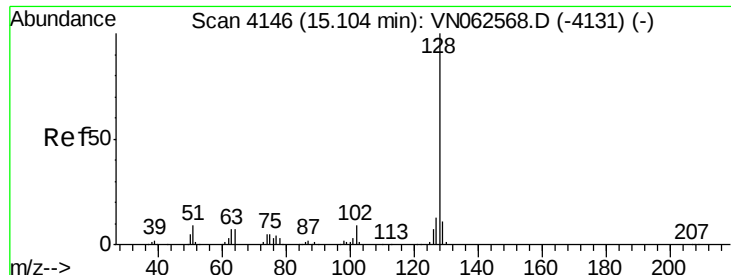


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

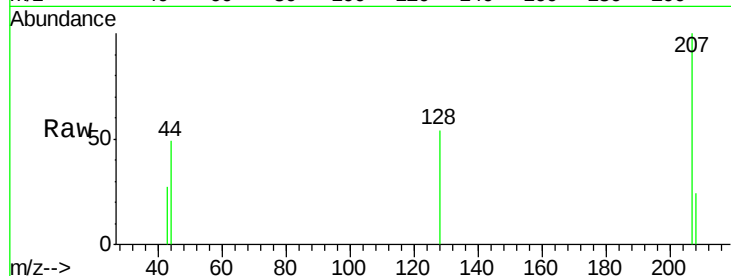




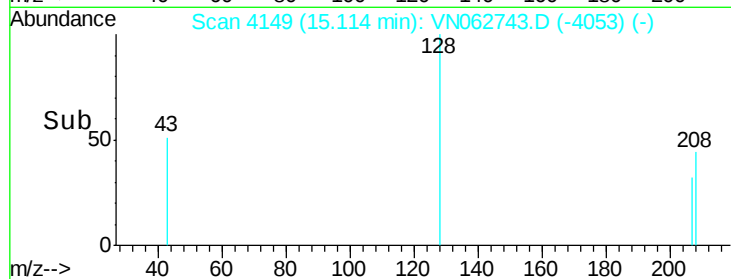
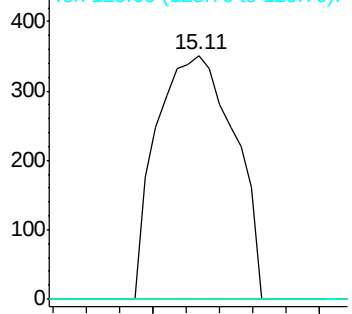
#95
Naphthalene
Concen: 3.905 ug/l
RT: 15.11 min Scan# 4149
Delta R.T. 0.01 min
Lab File: VN062743.D
Acq: 3 Aug 2020 18:14

Instrument :
MSVOA_N
ClientSampleId :
JTY1-WC-S-0203

Tot Ion:128 Resp: 574
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



Time-->