

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081220\
 Data File : VN062855.D
 Acq On : 12 Aug 2020 14:06
 Operator : JC/MD
 Sample : VN0812WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBSD01

Quant Time: Aug 13 05:22:00 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	145846	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	226039	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	217199	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	105542	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	114325	47.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.80%	
35) Dibromofluoromethane	7.55	113	76742	49.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.26%	
50) Toluene-d8	10.06	98	284695	47.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.32%	
62) 4-Bromofluorobenzene	12.38	95	106154	46.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	36554	17.503	ug/l	98
3) Chloromethane	2.03	50	30923	15.691	ug/l	97
4) Vinyl Chloride	2.16	62	31031	16.787	ug/l	96
5) Bromomethane	2.51	94	25578	20.903	ug/l	98
6) Chloroethane	2.66	64	25073	20.618	ug/l	95
7) Trichlorofluoromethane	2.98	101	61859	18.767	ug/l	100
8) Diethyl Ether	3.37	74	16203	17.172	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.71	101	24571	17.919	ug/l	96
10) Methyl Iodide	3.91	142	28260	17.689	ug/l	99
11) Tert butyl alcohol	4.74	59	34467	87.193	ug/l #	88
12) 1,1-Dichloroethene	3.69	96	21818	16.789	ug/l	93
13) Acrolein	3.57	56	14578	60.910	ug/l	99
14) Allyl chloride	4.27	41	38523	15.087	ug/l	99
15) Acrylonitrile	4.93	53	79380	86.580	ug/l	99
16) Acetone	3.78	43	71624	82.186	ug/l	100
17) Carbon Disulfide	4.00	76	56824	15.473	ug/l	100
18) Methyl Acetate	4.28	43	38524	17.966	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	101850	18.025	ug/l	97
20) Methylene Chloride	4.50	84	29994	18.325	ug/l	96
21) trans-1,2-Dichloroethene	4.99	96	23620	16.184	ug/l	96
22) Diisopropyl ether	5.90	45	94014	17.295	ug/l	92
23) Vinyl Acetate	5.84	43	325451	78.715	ug/l	96
24) 1,1-Dichloroethane	5.80	63	54673	17.163	ug/l	98
25) 2-Butanone	6.79	43	103942	84.212	ug/l	97
26) 2,2-Dichloropropane	6.78	77	46162	15.721	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	30255	17.281	ug/l	92
28) Bromochloromethane	7.15	49	26443	17.200	ug/l	94
29) Tetrahydrofuran	7.17	42	68102	84.928	ug/l	96
30) Chloroform	7.33	83	58822	17.375	ug/l	97
31) Cyclohexane	7.62	56	45981	15.725	ug/l	90
32) 1,1,1-Trichloroethane	7.53	97	51874	17.138	ug/l	97
36) 1,1-Dichloropropene	7.75	75	37480	17.029	ug/l	98
37) Ethyl Acetate	6.88	43	39548	17.201	ug/l #	93
38) Carbon Tetrachloride	7.74	117	44378	17.048	ug/l	95

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 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)
39) Methylcyclohexane	9.05	83	44196	16.686	ug/l	98
40) Benzene	8.00	78	113934	17.348	ug/l	99
41) Methacrylonitrile	7.12	41	15760	15.191	ug/l #	6
42) 1,2-Dichloroethane	8.08	62	50934	18.221	ug/l	100
43) Isopropyl Acetate	8.13	43	65350	17.041	ug/l	97
44) Trichloroethene	8.80	130	28386	17.740	ug/l	95
45) 1,2-Dichloropropane	9.08	63	31816	17.899	ug/l	92
46) Dibromomethane	9.18	93	21937	18.835	ug/l	99
47) Bromodichloromethane	9.37	83	48147	18.406	ug/l	98
48) Methyl methacrylate	9.17	41	31143	16.511	ug/l	94
49) 1,4-Dioxane	9.17	88	12997	371.865	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	221106	89.112	ug/l	99
52) Toluene	10.13	92	71157	17.548	ug/l	97
53) t-1,3-Dichloropropene	10.35	75	50668	17.609	ug/l	97
54) cis-1,3-Dichloropropene	9.81	75	53227	18.425	ug/l	96
55) 1,1,2-Trichloroethane	10.53	97	32207	18.596	ug/l	95
56) Ethyl methacrylate	10.40	69	46214	17.728	ug/l	97
57) 1,3-Dichloropropane	10.68	76	52571	17.865	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.67	63	56766	77.038	ug/l	98
59) 2-Hexanone	10.72	43	160958	86.965	ug/l	97
60) Dibromochloromethane	10.88	129	37888	19.170	ug/l	98
61) 1,2-Dibromoethane	10.98	107	32411	18.965	ug/l	96
64) Tetrachloroethene	10.60	164	24691	17.619	ug/l	94
65) Chlorobenzene	11.41	112	79149	17.433	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	33565	18.409	ug/l	97
67) Ethyl Benzene	11.48	91	139292	17.144	ug/l	100
68) m/p-Xylenes	11.60	106	105337	35.716	ug/l	96
69) o-Xylene	11.92	106	50350	18.217	ug/l	97
70) Styrene	11.94	104	87181	17.945	ug/l	98
71) Bromoform	12.10	173	26840	17.992	ug/l #	98
73) Isopropylbenzene	12.23	105	137040	17.244	ug/l	98
74) N-amyl acetate	12.05	43	54945	17.060	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	49190	17.583	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	65953	23.171	ug/l #	100
77) Bromobenzene	12.50	156	34868	17.658	ug/l	94
78) n-propylbenzene	12.57	91	158437	16.983	ug/l	98
79) 2-Chlorotoluene	12.65	91	102805	17.573	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	124005	17.986	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.28	75	15452	16.572	ug/l	97
82) 4-Chlorotoluene	12.75	91	104693	17.366	ug/l	98
83) tert-Butylbenzene	12.97	119	101225	17.351	ug/l	99
84) 1,2,4-Trimethylbenzene	13.02	105	118542	17.972	ug/l	97
85) sec-Butylbenzene	13.15	105	134199	17.517	ug/l	99
86) p-Isopropyltoluene	13.26	119	119686	17.600	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	60070	17.028	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	61550	17.396	ug/l	98
89) n-Butylbenzene	13.59	91	92878	16.149	ug/l	99
90) Hexachloroethane	13.85	117	24608	16.788	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	60520	18.299	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	10250	17.066	ug/l	97

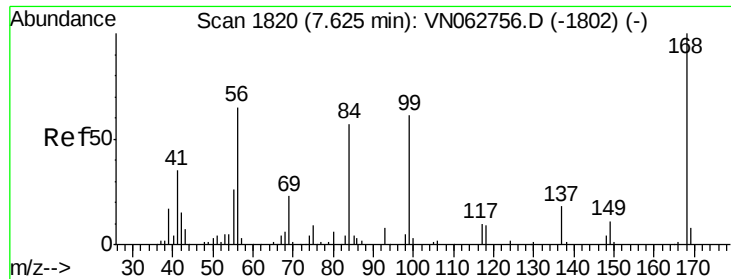
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081220\
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Quant Title : SW846 8260
QLast Update : Wed Aug 05 13:26:42 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	24342	16.116	ug/l	98
94) Hexachlorobutadiene	14.98	225	19866	18.097	ug/l	99
95) Naphthalene	15.11	128	63996	15.920	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	25631	16.579	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062855.D

Acq: 12 Aug 2020 14:06

Instrument :

MSVOA_N

ClientSampleId :

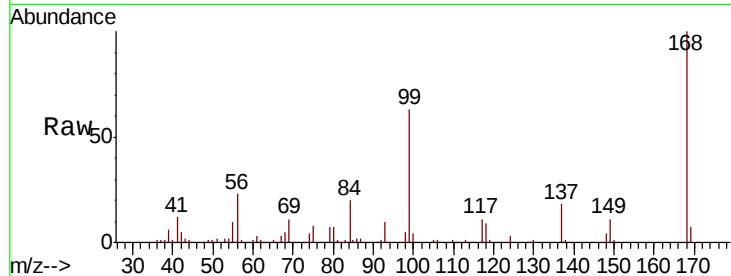
VN0812WBSD01

Tot Ion:168 Resp: 145846

Ion Ratio Lower Upper

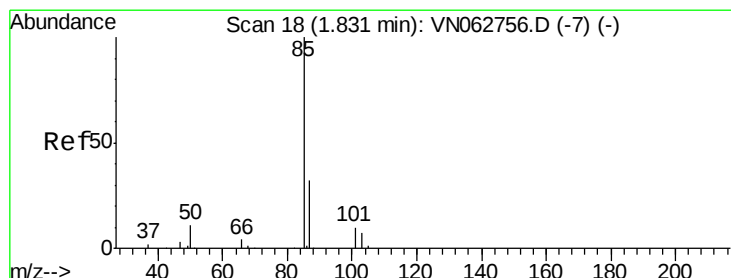
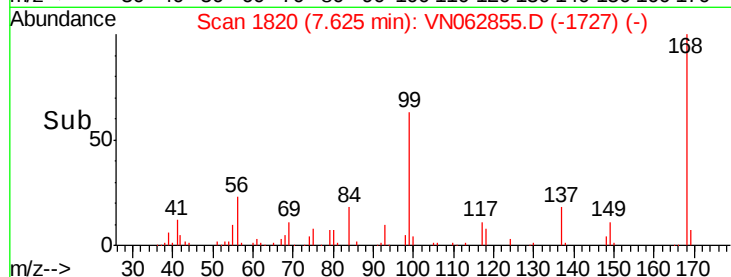
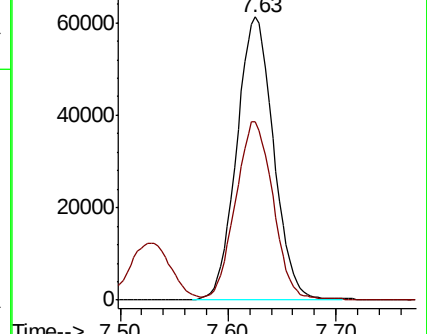
168 100

99 62.6 52.9 79.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 17.503 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062855.D

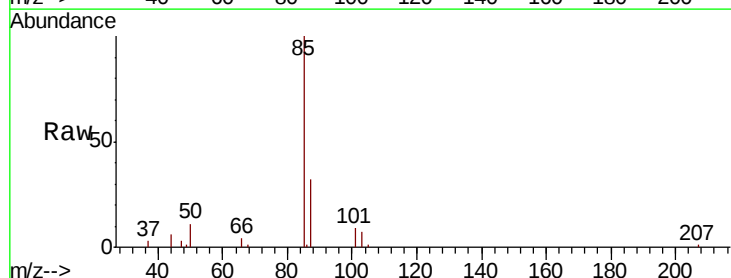
Acq: 12 Aug 2020 14:06

Tgt Ion: 85 Resp: 36554

Ion Ratio Lower Upper

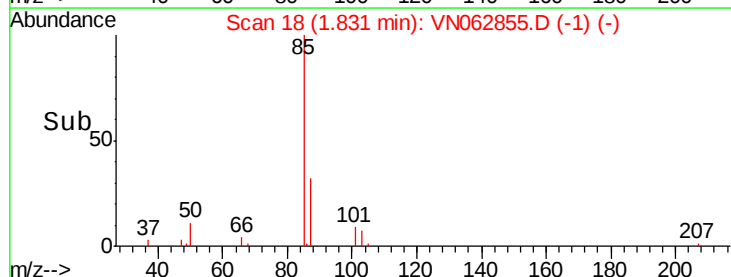
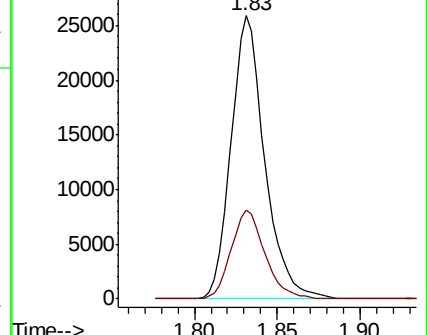
85 100

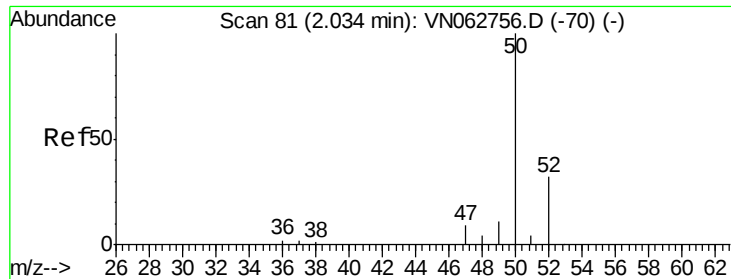
87 31.5 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 15.691 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN062855.D

Acq: 12 Aug 2020 14:06

Instrument :

MSVOA_N

ClientSampleId :

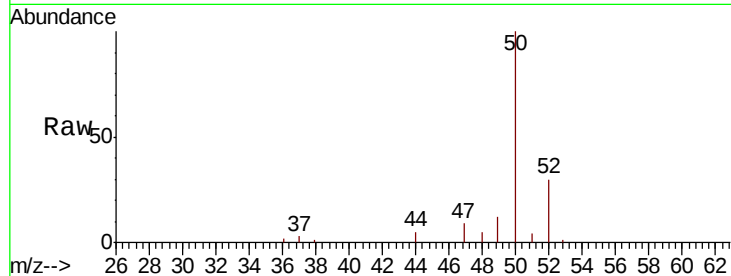
VN0812WBSD01

Tot Ion: 50 Resp: 30923

Ion Ratio Lower Upper

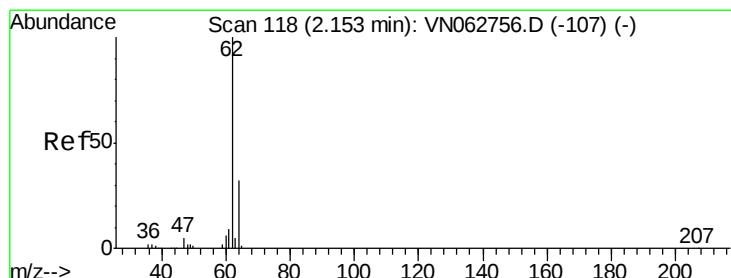
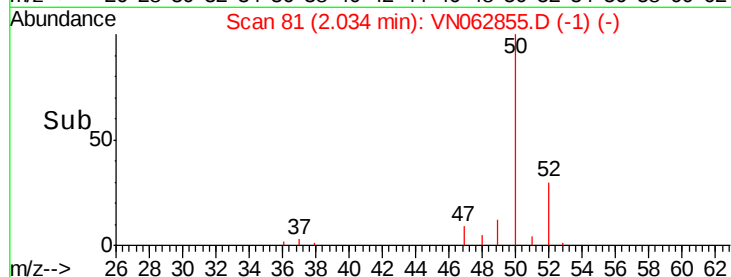
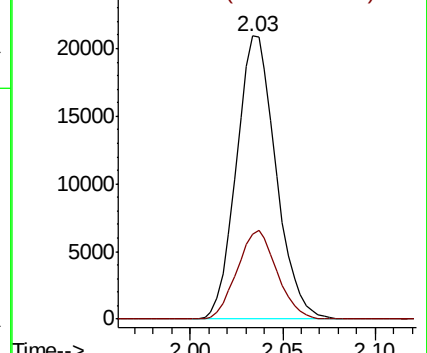
50 100

52 30.2 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 16.787 ug/l

RT: 2.16 min Scan# 119

Delta R.T. 0.00 min

Lab File: VN062855.D

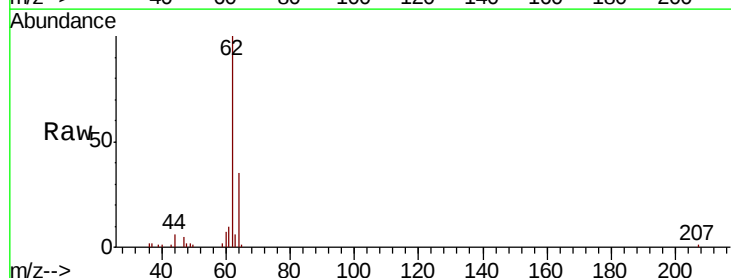
Acq: 12 Aug 2020 14:06

Tgt Ion: 62 Resp: 31031

Ion Ratio Lower Upper

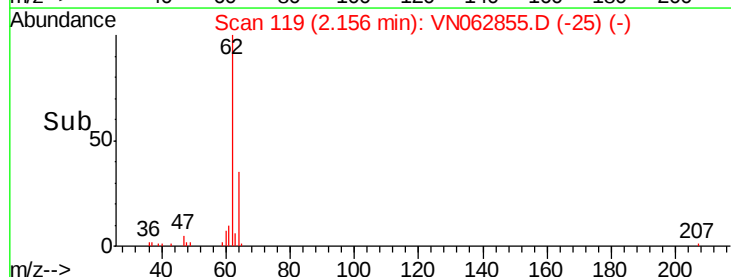
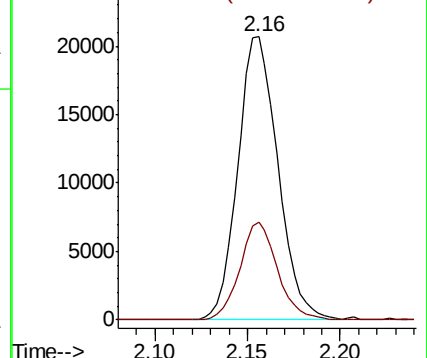
62 100

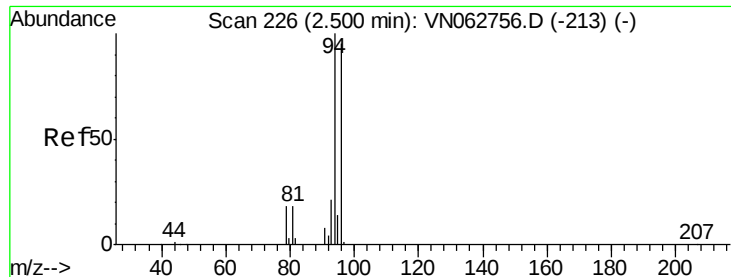
64 34.5 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 20.903 ug/l

RT: 2.51 min Scan# 230

Delta R.T. 0.01 min

Lab File: VN062855.D

Acq: 12 Aug 2020 14:06

Instrument :

MSVOA_N

ClientSampleId :

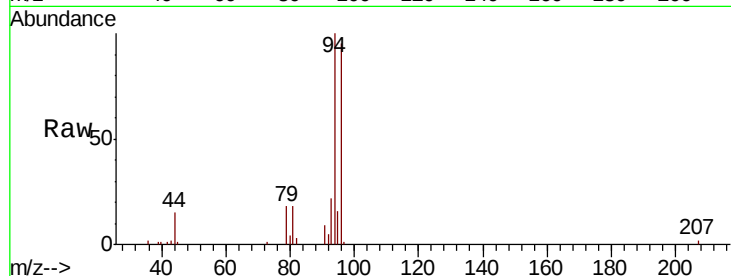
VN0812WBSD01

Tot Ion: 94 Resp: 25578

Ion Ratio Lower Upper

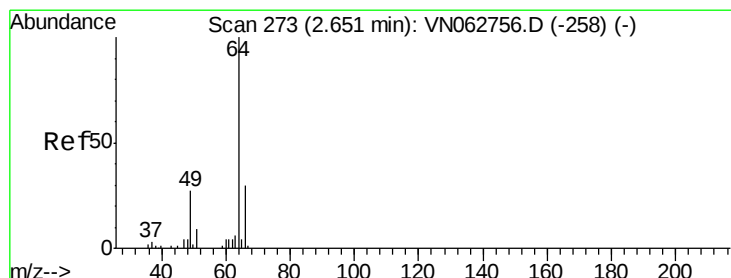
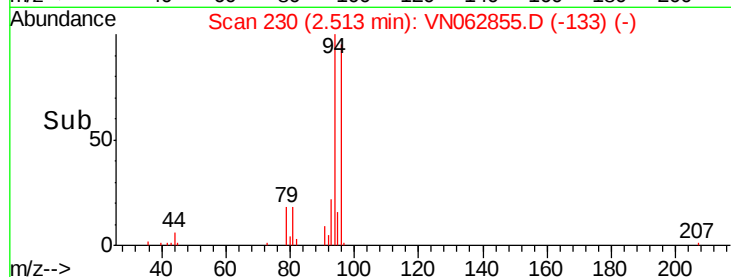
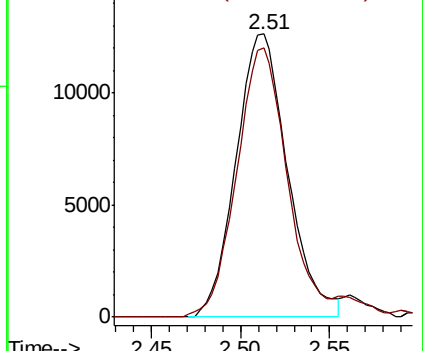
94 100

96 93.7 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.618 ug/l

RT: 2.66 min Scan# 275

Delta R.T. 0.01 min

Lab File: VN062855.D

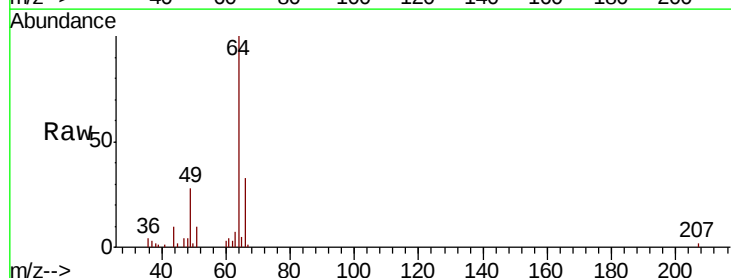
Acq: 12 Aug 2020 14:06

Tgt Ion: 64 Resp: 25073

Ion Ratio Lower Upper

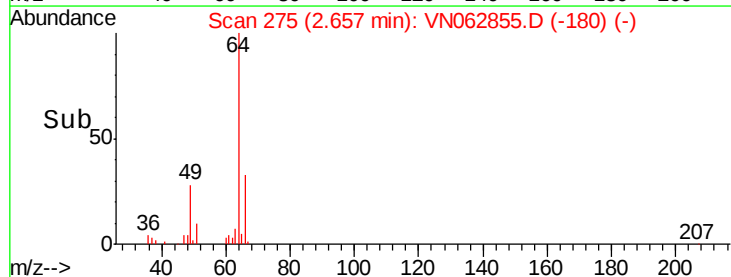
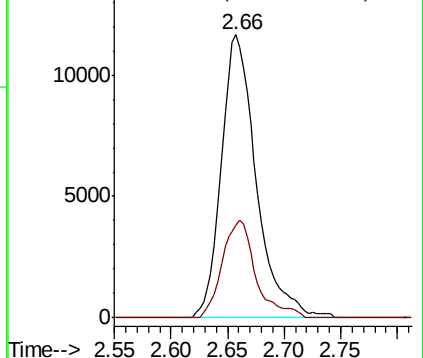
64 100

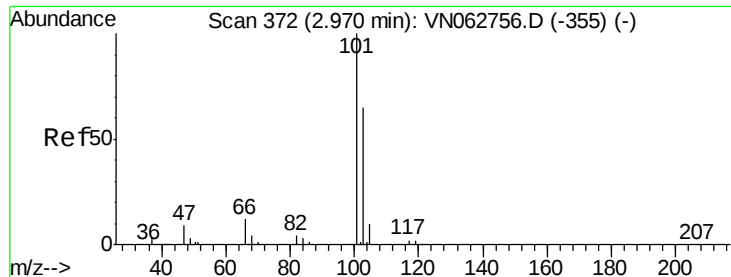
66 32.5 24.0 36.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



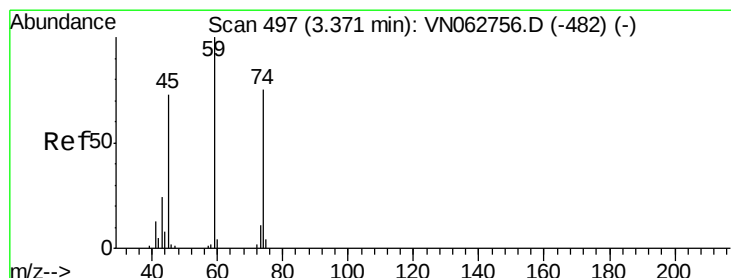
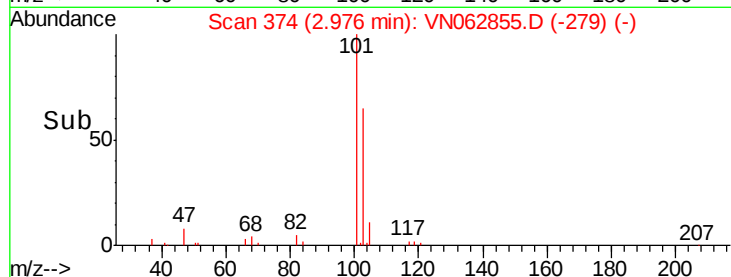
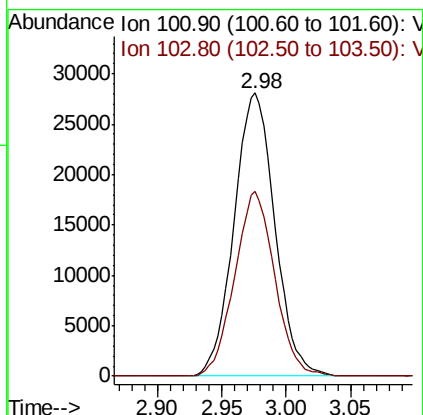
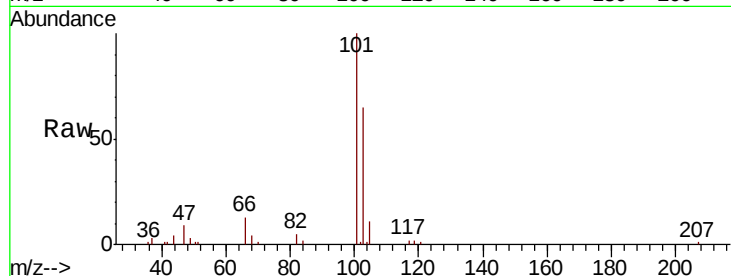


#7

Trichlorofluoromethane
 Concen: 18.767 ug/l
 RT: 2.98 min Scan# 374
 Delta R.T. 0.01 min
 Lab File: VN062855.D
 Acq: 12 Aug 2020 14:06

Instrument :
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 ClientSampleId :
 VN0812WBSD01

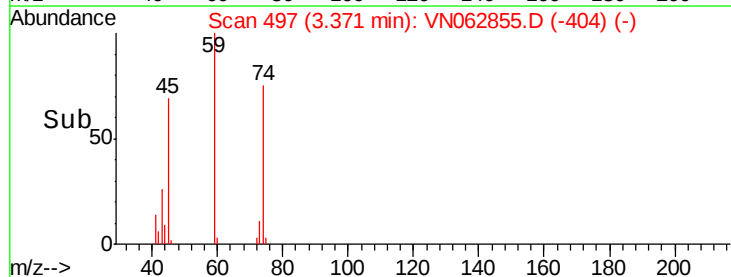
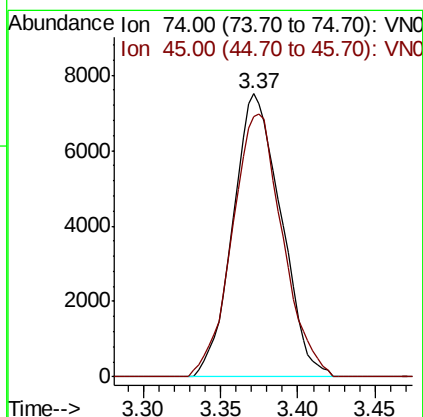
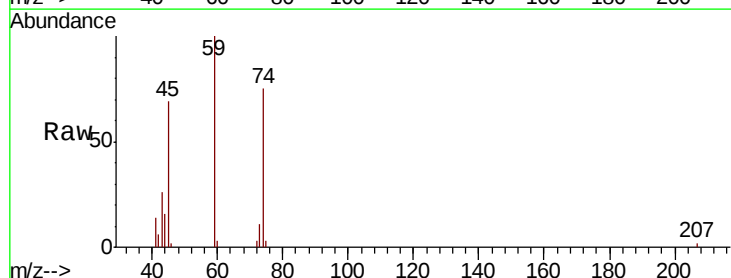
Tot Ion:101 Resp: 61859
 Ion Ratio Lower Upper
 101 100
 103 65.3 52.3 78.5

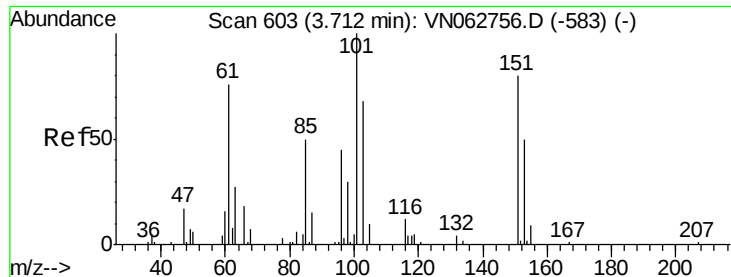


#8

Diethyl Ether
 Concen: 17.172 ug/l
 RT: 3.37 min Scan# 497
 Delta R.T. -0.00 min
 Lab File: VN062855.D
 Acq: 12 Aug 2020 14:06

Tgt Ion: 74 Resp: 16203
 Ion Ratio Lower Upper
 74 100
 45 97.3 48.7 146.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.919 ug/l

RT: 3.71 min Scan# 603

Delta R.T. 0.00 min

Lab File: VN062855.D

Acq: 12 Aug 2020 14:06

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBSD01

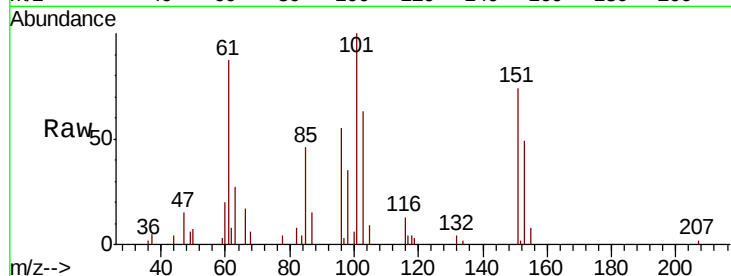
Tot Ion:101 Resp: 24571

Ion Ratio Lower Upper

101 100

85 45.3 38.5 57.7

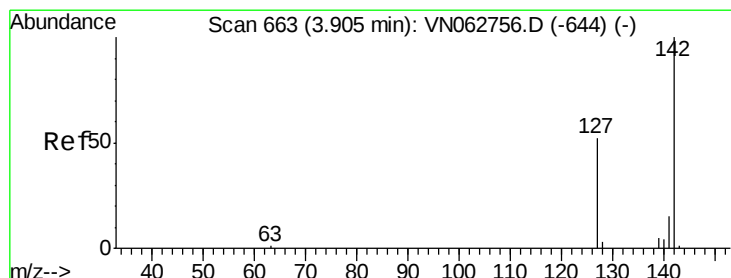
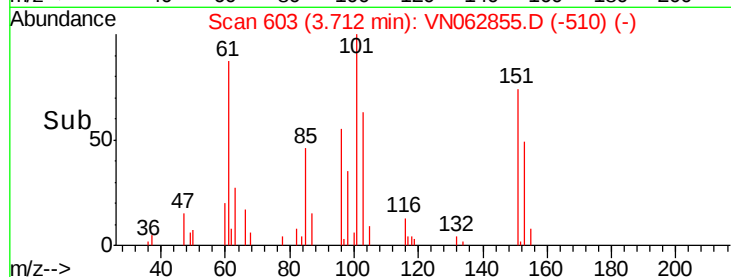
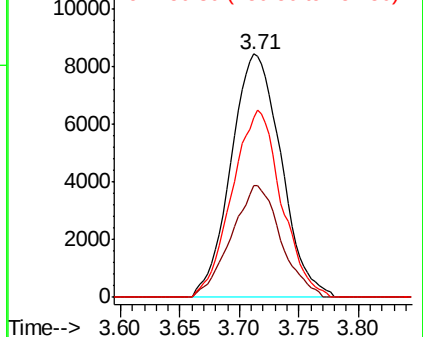
151 75.8 63.0 94.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.689 ug/l

RT: 3.91 min Scan# 664

Delta R.T. 0.00 min

Lab File: VN062855.D

Acq: 12 Aug 2020 14:06

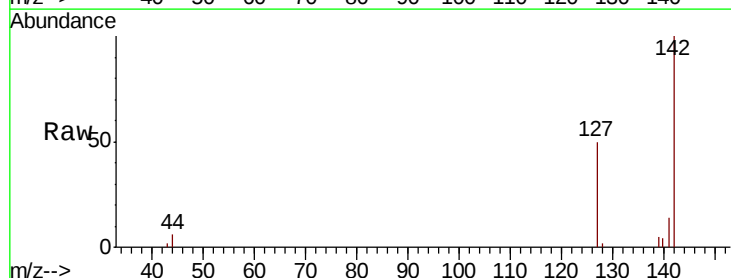
Tgt Ion:142 Resp: 28260

Ion Ratio Lower Upper

142 100

127 52.5 41.4 62.0

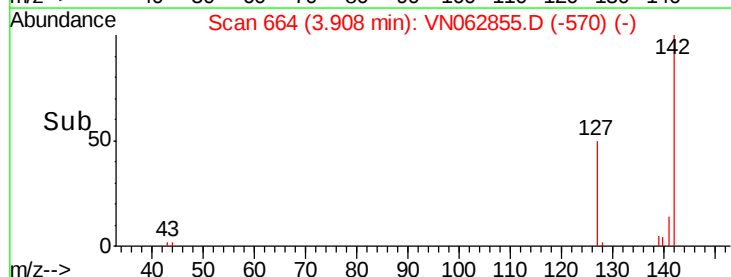
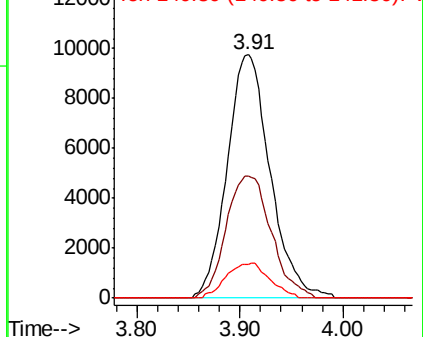
141 14.6 12.2 18.4

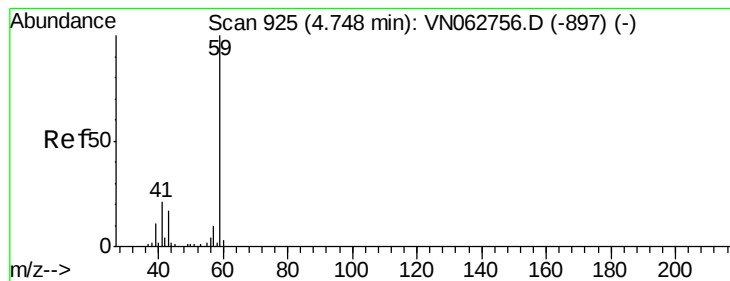


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



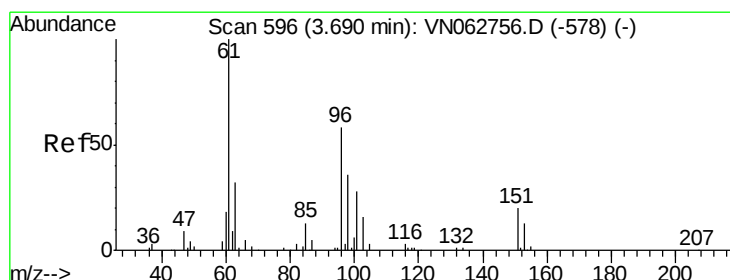
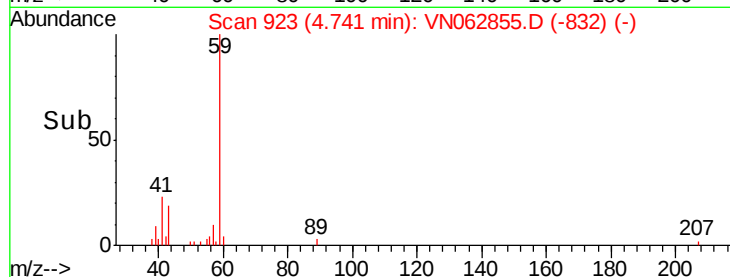
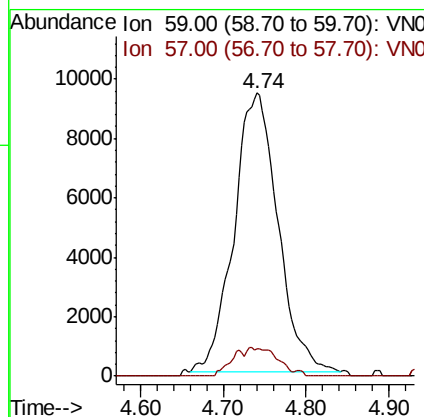
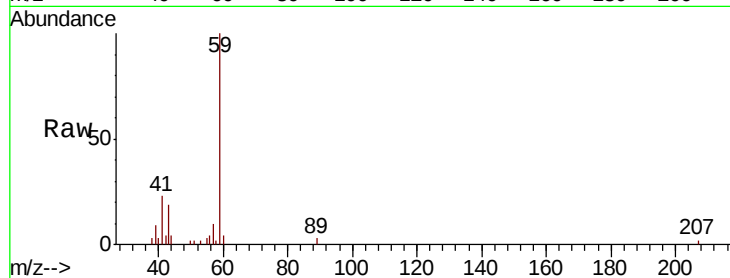


#11

Tert butyl alcohol
Concen: 87.193 ug/l
RT: 4.74 min Scan# 923
Delta R.T. -0.01 min
Lab File: VN062855.D
Acq: 12 Aug 2020 14:06

Instrument :
MSVOA_N
ClientSampled :
VN0812WBSD01

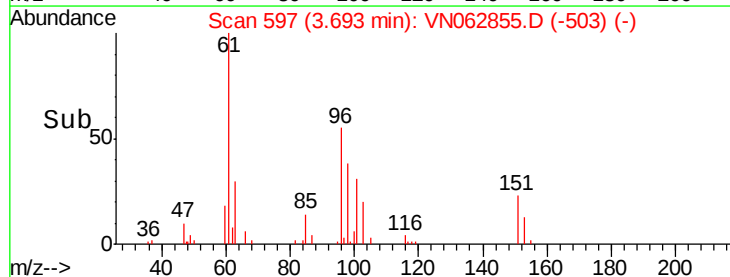
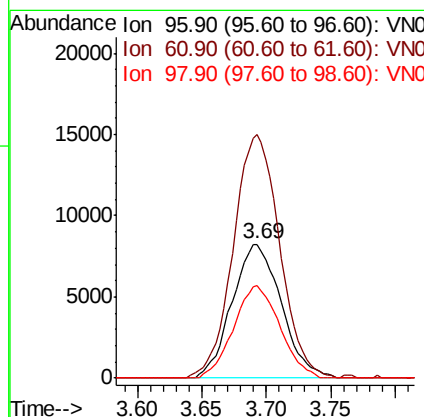
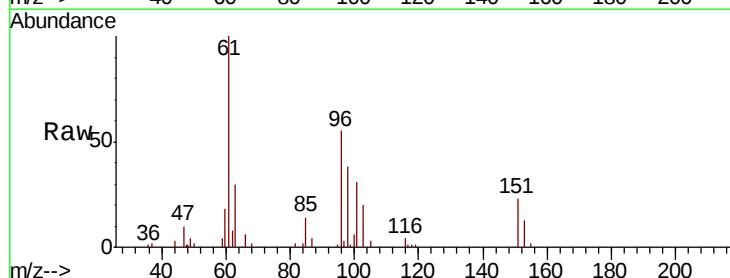
Tot Ion: 59 Resp: 34467
Ion Ratio Lower Upper
59 100
57 5.9 8.3 12.5#

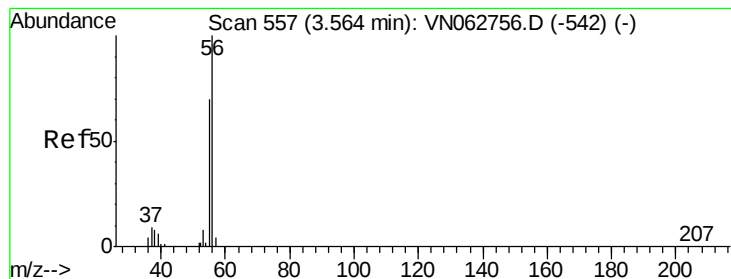


#12

1,1-Dichloroethene
Concen: 16.789 ug/l
RT: 3.69 min Scan# 597
Delta R.T. 0.00 min
Lab File: VN062855.D
Acq: 12 Aug 2020 14:06

Tgt Ion: 96 Resp: 21818
Ion Ratio Lower Upper
96 100
61 182.3 139.0 208.6
98 69.3 50.2 75.4





#13

Acrolein

Concen: 60.910 ug/l

RT: 3.57 min Scan# 559

Delta R.T. 0.01 min

Lab File: VN062855.D

Acq: 12 Aug 2020 14:06

Instrument :

MSVOA_N

ClientSampleId :

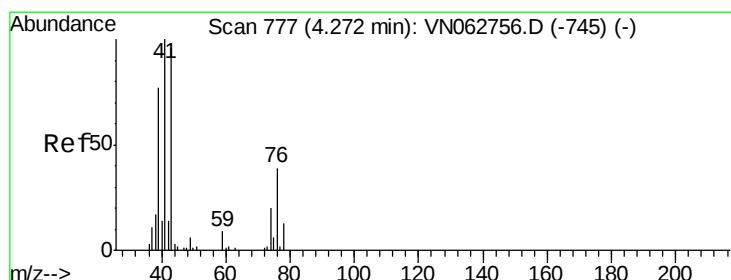
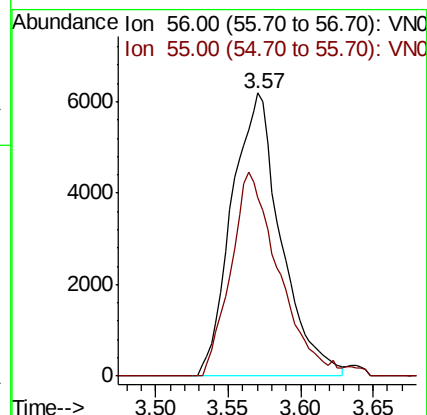
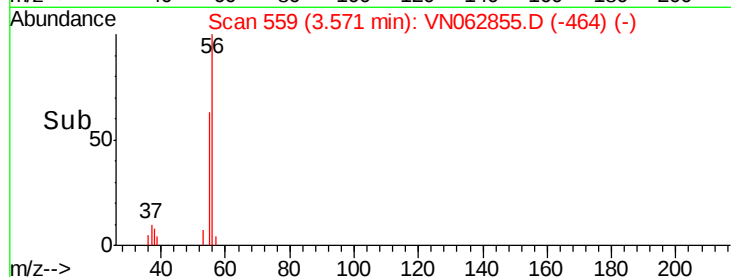
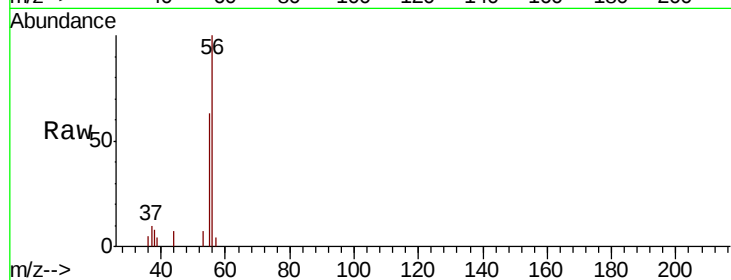
VN0812WBSD01

Tot Ion: 56 Resp: 14578

Ion Ratio Lower Upper

56 100

55 70.5 57.0 85.6



#14

Allyl chloride

Concen: 15.087 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.00 min

Lab File: VN062855.D

Acq: 12 Aug 2020 14:06

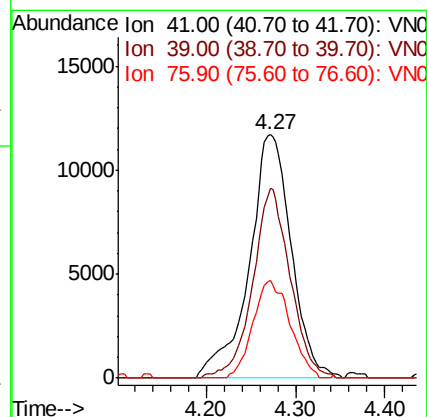
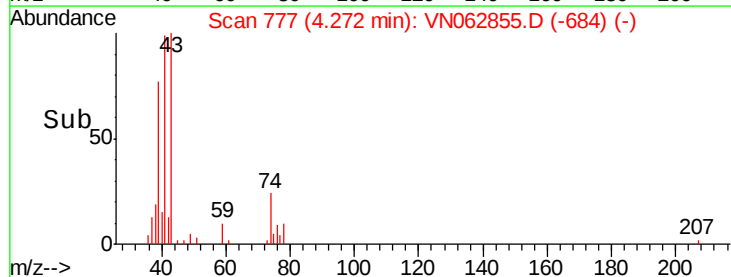
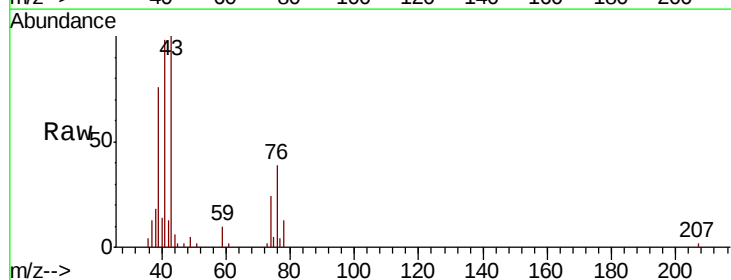
Tgt Ion: 41 Resp: 38523

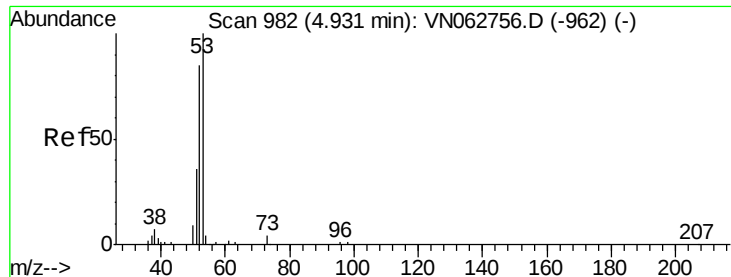
Ion Ratio Lower Upper

41 100

39 69.1 55.7 83.5

76 35.3 27.5 41.3





#15

Acrylonitrile

Concen: 86.580 ug/l

RT: 4.93 min Scan# 982

Delta R.T. -0.00 min

Lab File: VN062855.D

Acq: 12 Aug 2020 14:06

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBSD01

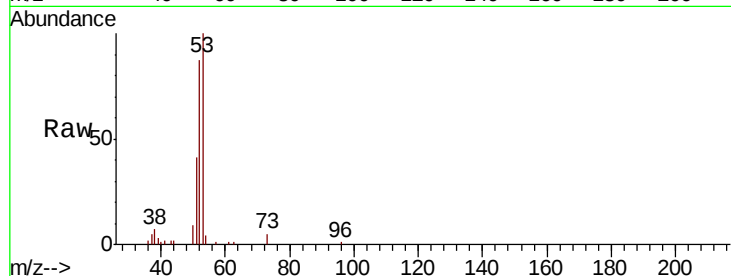
Tot Ion: 53 Resp: 79380

Ion Ratio Lower Upper

53 100

52 84.1 66.8 100.2

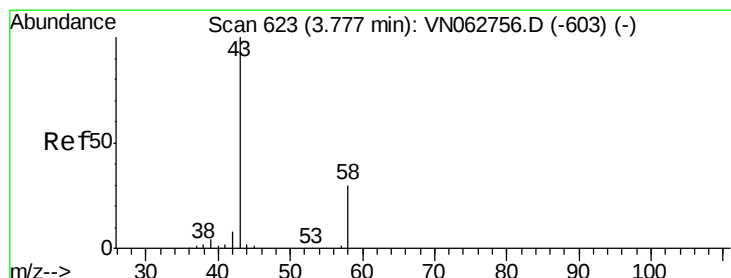
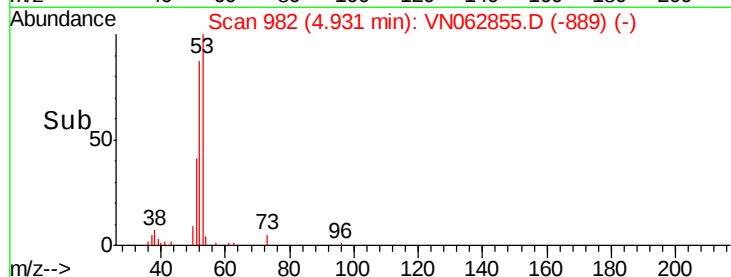
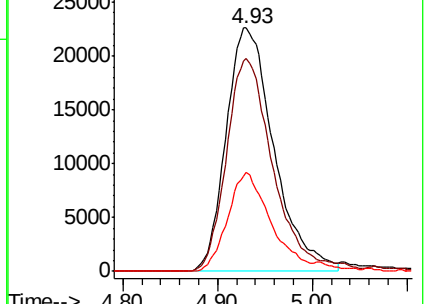
51 36.4 29.5 44.3



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 82.186 ug/l

RT: 3.78 min Scan# 623

Delta R.T. -0.00 min

Lab File: VN062855.D

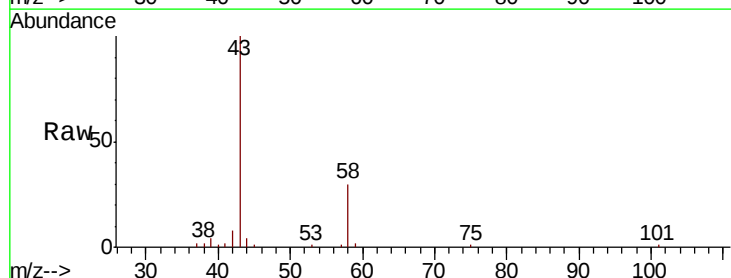
Acq: 12 Aug 2020 14:06

Tgt Ion: 43 Resp: 71624

Ion Ratio Lower Upper

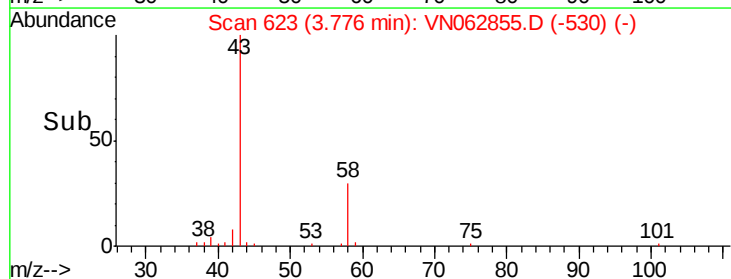
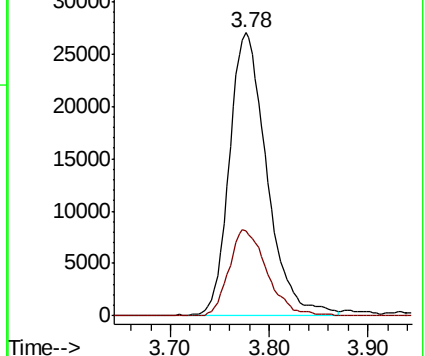
43 100

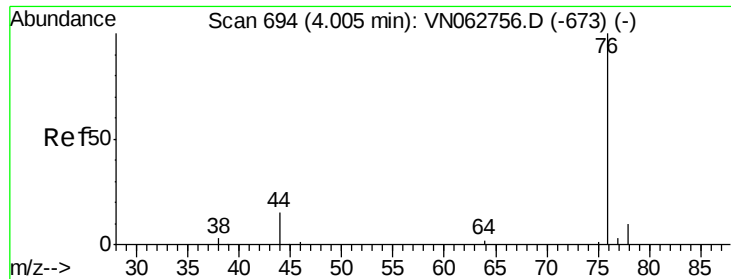
58 30.2 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

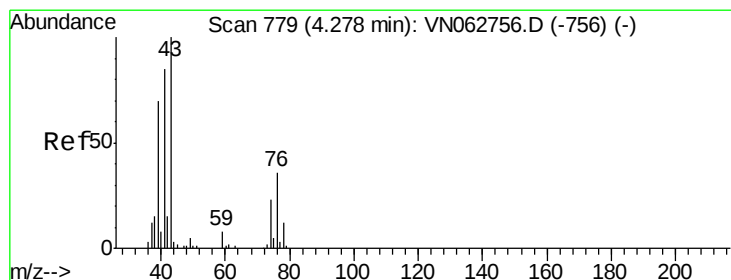
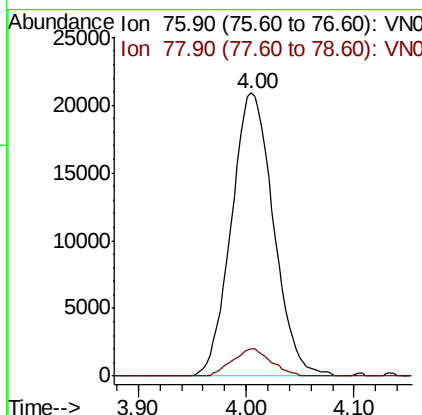
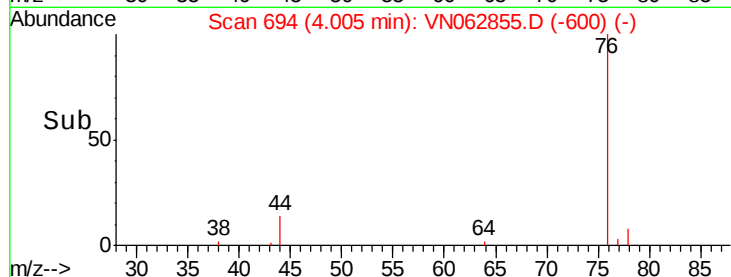
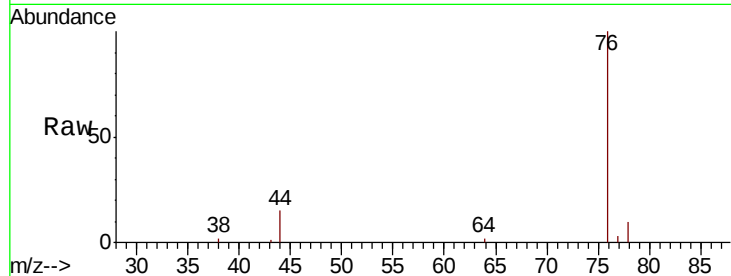




#17
Carbon Disulfide
Concen: 15.473 ug/l
RT: 4.00 min Scan# 694
Delta R.T. 0.00 min
Lab File: VN062855.D
Acq: 12 Aug 2020 14:06

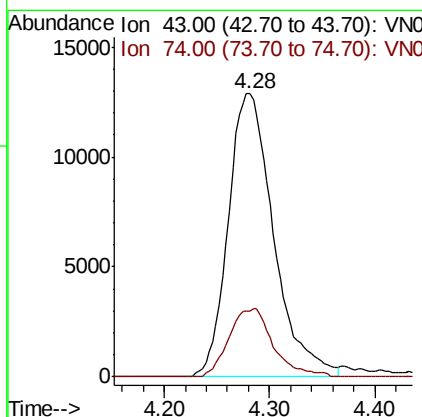
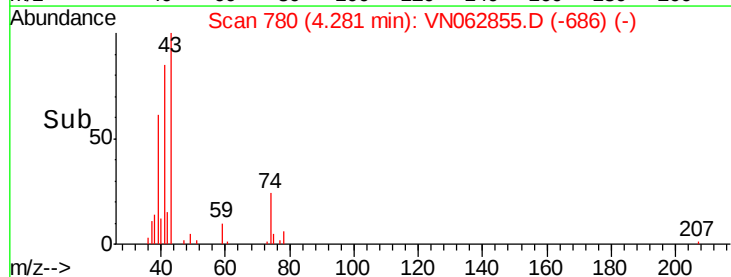
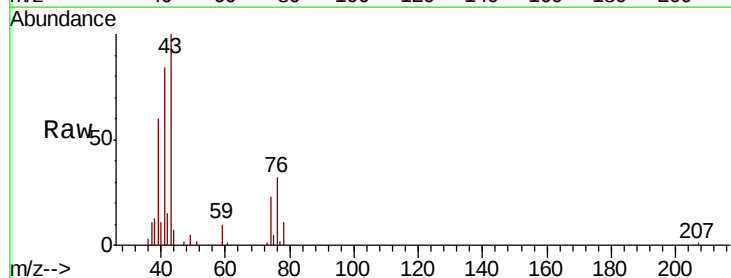
Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD01

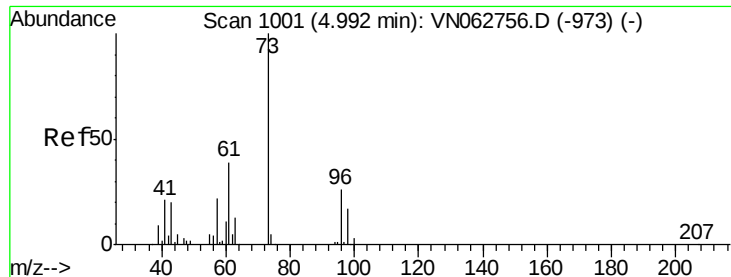
Tot Ion: 76 Resp: 56824
Ion Ratio Lower Upper
76 100
78 9.6 7.7 11.5



#18
Methyl Acetate
Concen: 17.966 ug/l
RT: 4.28 min Scan# 780
Delta R.T. 0.00 min
Lab File: VN062855.D
Acq: 12 Aug 2020 14:06

Tgt Ion: 43 Resp: 38524
Ion Ratio Lower Upper
43 100
74 23.5 18.6 28.0

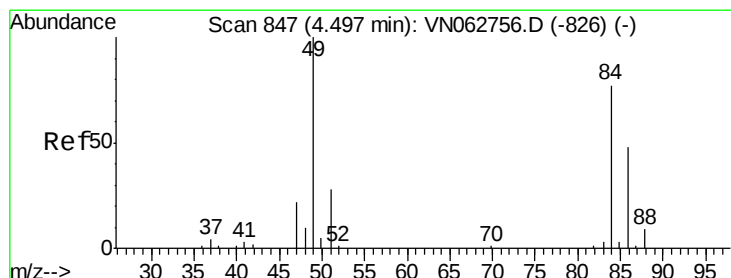
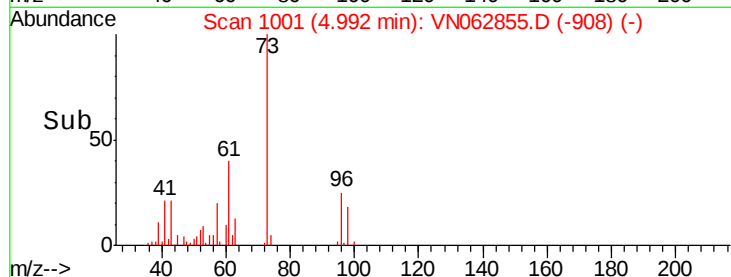
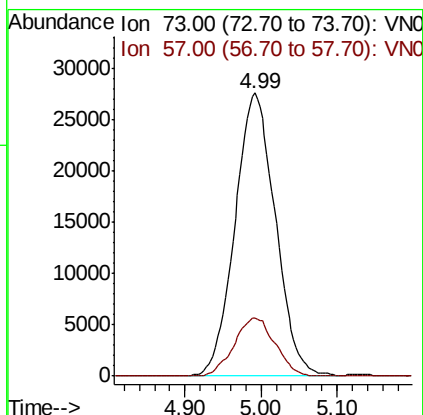
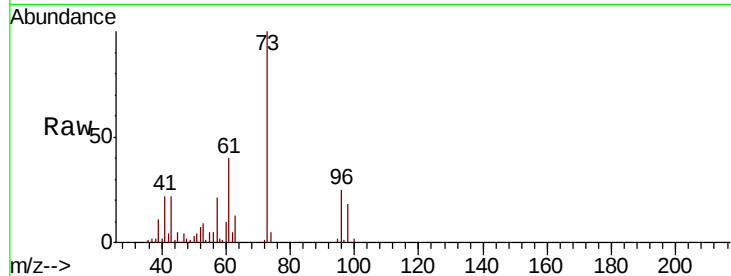




#19
Methyl tert-butyl Ether
Concen: 18.025 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VN062855.D
Acq: 12 Aug 2020 14:06

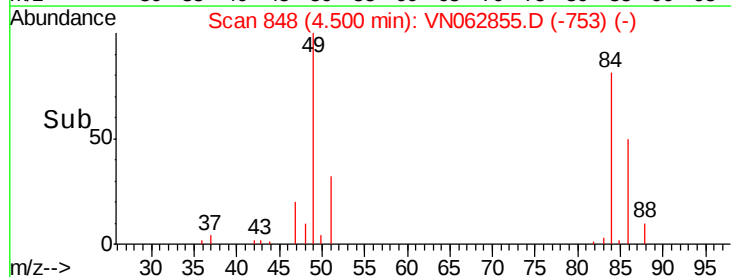
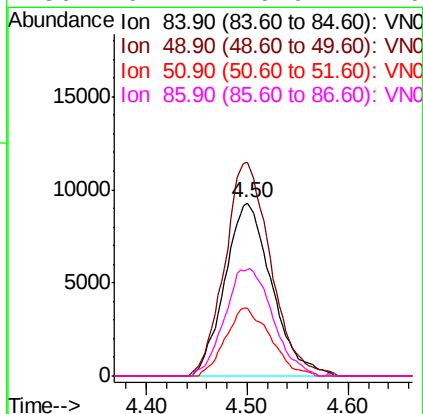
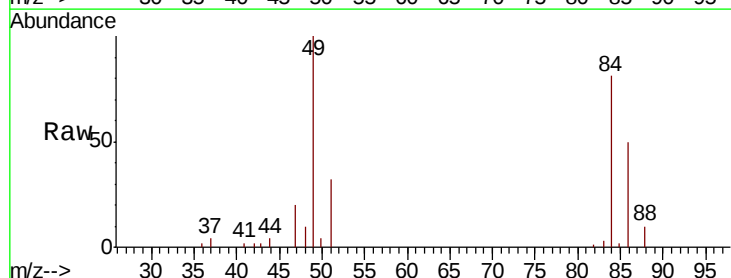
Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD01

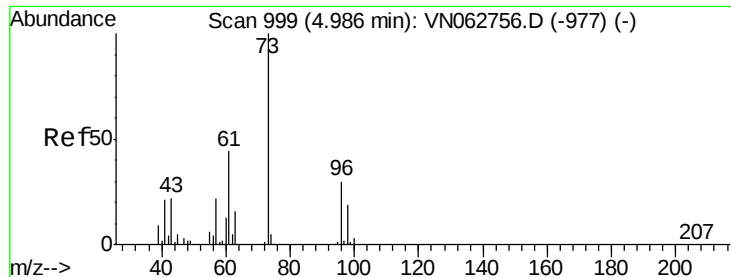
Tot Ion: 73 Resp: 101850
Ion Ratio Lower Upper
73 100
57 20.5 17.5 26.3



#20
Methylene Chloride
Concen: 18.325 ug/l
RT: 4.50 min Scan# 848
Delta R.T. 0.00 min
Lab File: VN062855.D
Acq: 12 Aug 2020 14:06

Tgt Ion: 84 Resp: 29994
Ion Ratio Lower Upper
84 100
49 123.5 103.4 155.2
51 39.2 29.3 43.9
86 61.1 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 16.184 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN062855.D

Acq: 12 Aug 2020 14:06

Instrument :

MSVOA_N

ClientSampled :

VN0812WBSD01

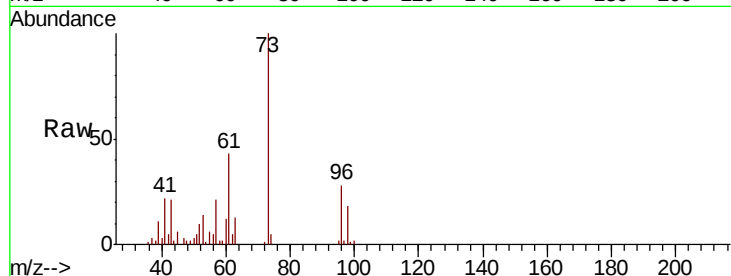
Tot Ion: 96 Resp: 23620

Ion Ratio Lower Upper

96 100

61 154.5 118.8 178.2

98 64.8 51.0 76.4

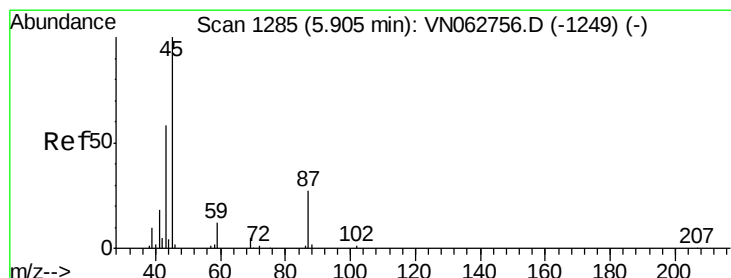
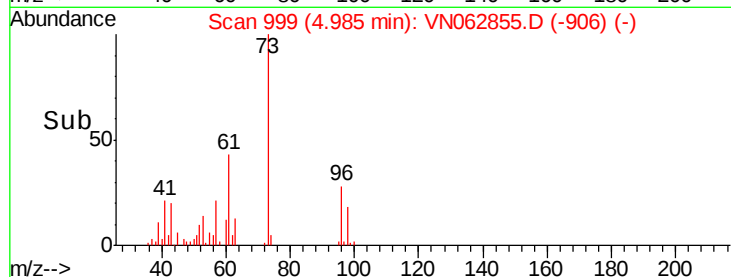
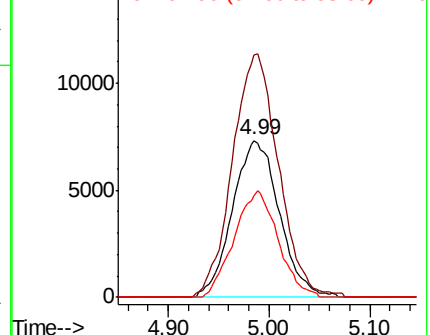


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 17.295 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.01 min

Lab File: VN062855.D

Acq: 12 Aug 2020 14:06

Tgt Ion: 45 Resp: 94014

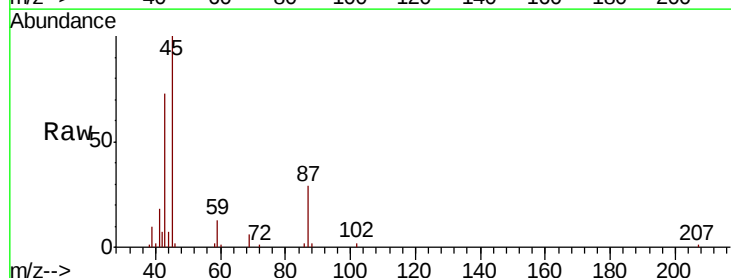
Ion Ratio Lower Upper

45 100

43 69.3 47.4 71.2

87 28.8 22.8 34.2

59 12.6 9.9 14.9



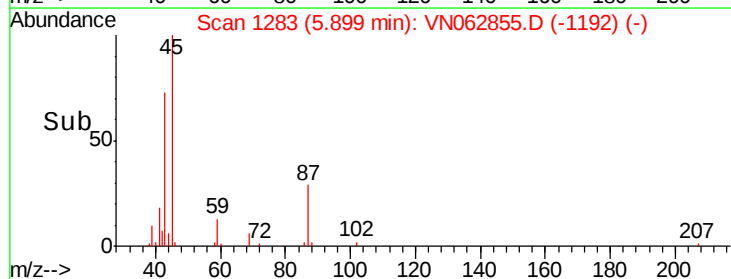
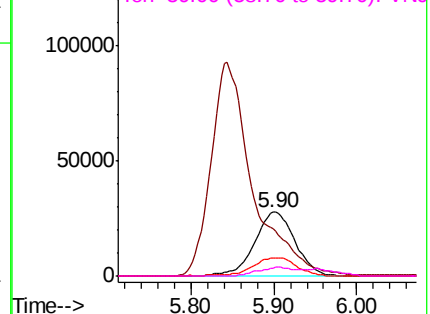
Abundance

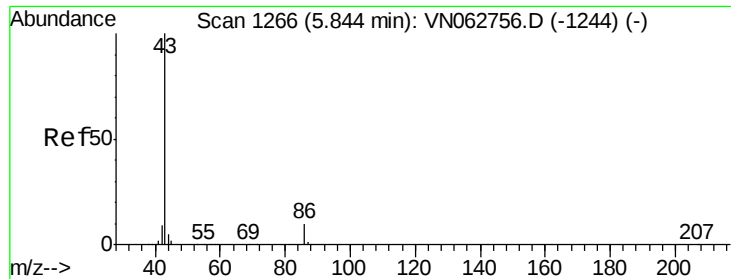
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 78.715 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN062855.D

Acq: 12 Aug 2020 14:06

Instrument :

MSVOA_N

ClientSampleID :

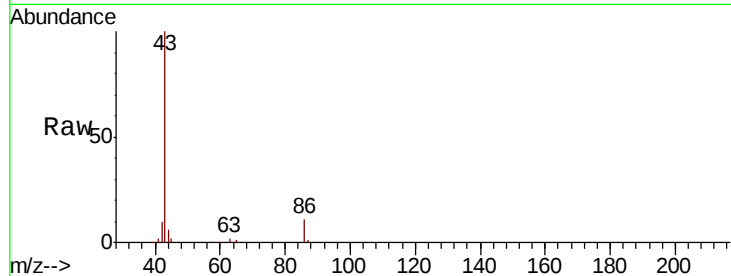
VN0812WBSD01

Tot Ion: 43 Resp: 325451

Ion Ratio Lower Upper

43 100

86 10.9 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.84

100000

80000

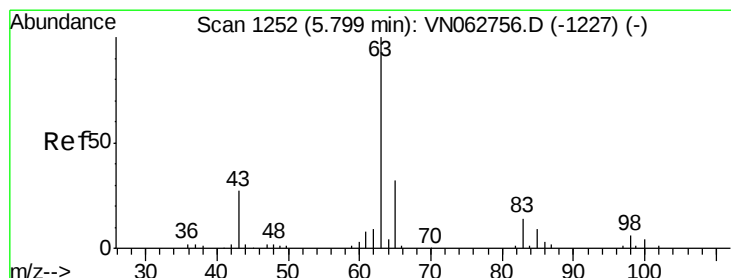
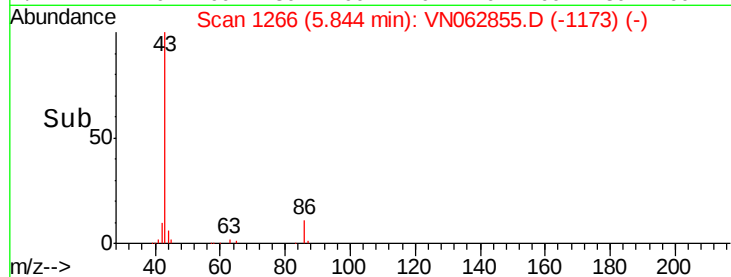
60000

40000

20000

0

Time-->



#24

1,1-Dichloroethane

Concen: 17.163 ug/l

RT: 5.80 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VN062855.D

Acq: 12 Aug 2020 14:06

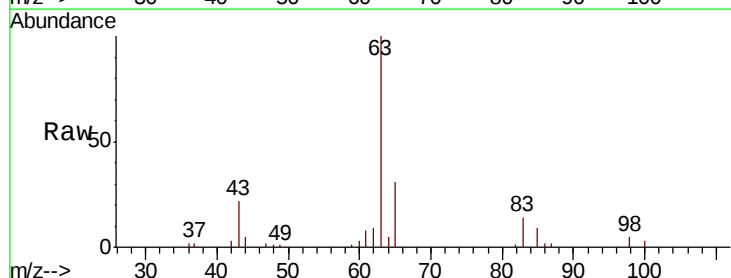
Tgt Ion: 63 Resp: 54673

Ion Ratio Lower Upper

63 100

98 5.5 3.0 9.2

100 3.0 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

20000

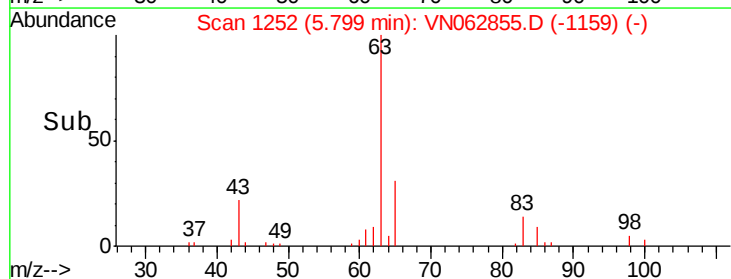
15000

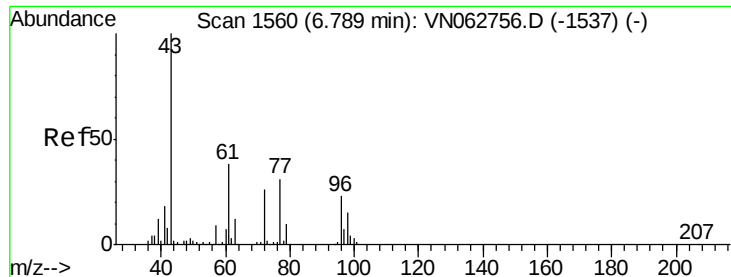
10000

5000

0

Time-->

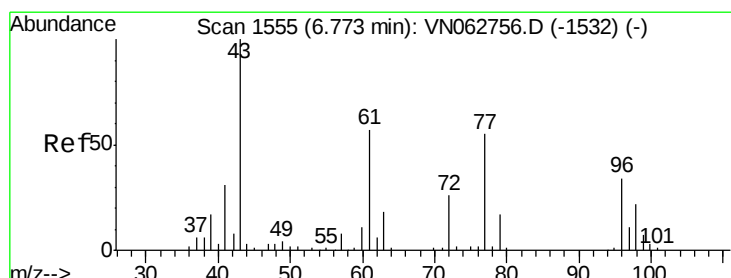
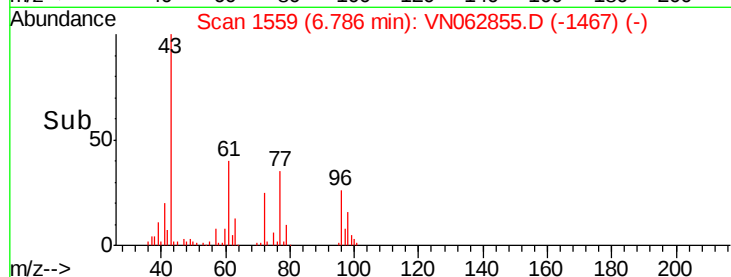
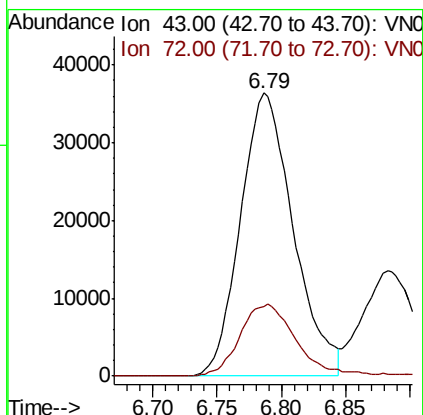
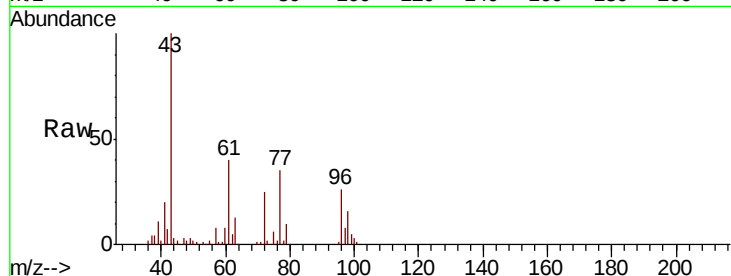




#25
2-Butanone
Concen: 84.212 ug/l
RT: 6.79 min Scan# 1559
Delta R.T. -0.00 min
Lab File: VN062855.D
Acq: 12 Aug 2020 14:06

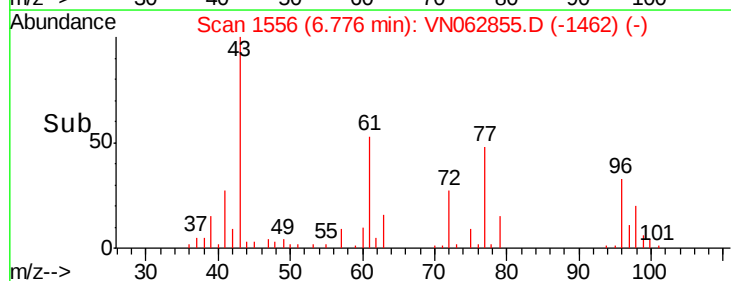
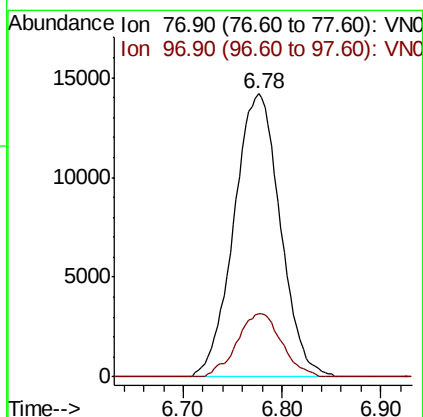
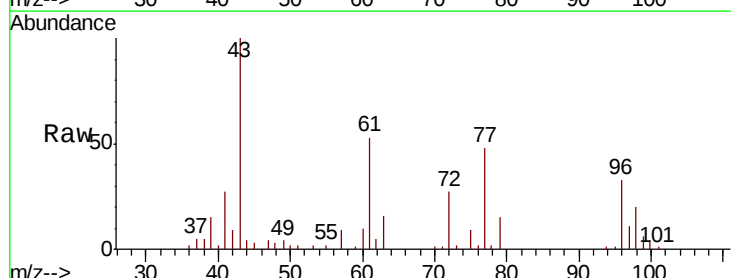
Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD01

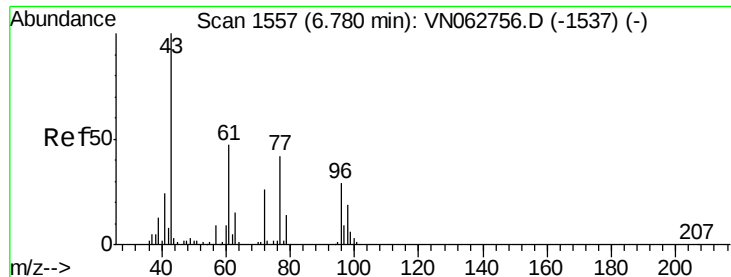
Tot Ion: 43 Resp: 103942
Ion Ratio Lower Upper
43 100
72 24.7 21.1 31.7



#26
2,2-Dichloropropane
Concen: 15.721 ug/l
RT: 6.78 min Scan# 1556
Delta R.T. 0.00 min
Lab File: VN062855.D
Acq: 12 Aug 2020 14:06

Tgt Ion: 77 Resp: 46162
Ion Ratio Lower Upper
77 100
97 21.5 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 17.281 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. -0.00 min

Lab File: VN062855.D

Acq: 12 Aug 2020 14:06

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBSD01

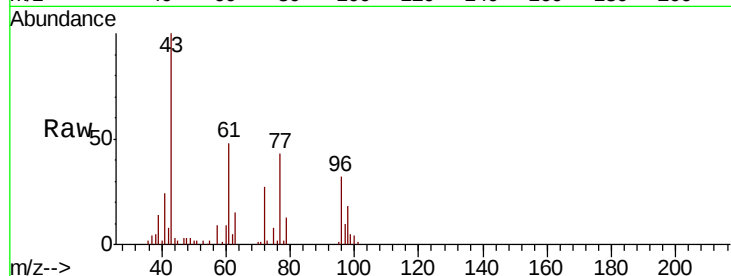
Tot Ion: 96 Resp: 30255

Ion Ratio Lower Upper

96 100

61 153.7 0.0 332.2

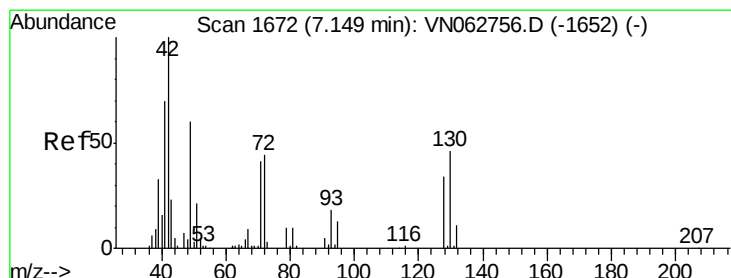
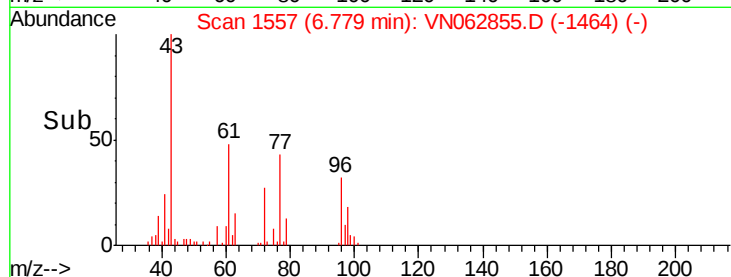
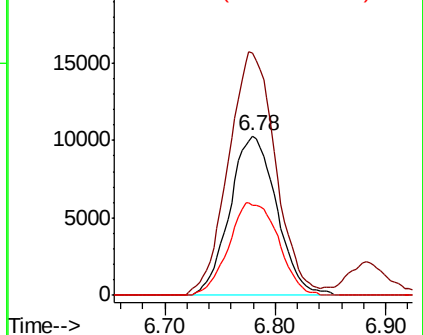
98 61.4 0.0 129.4



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 17.200 ug/l

RT: 7.15 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VN062855.D

Acq: 12 Aug 2020 14:06

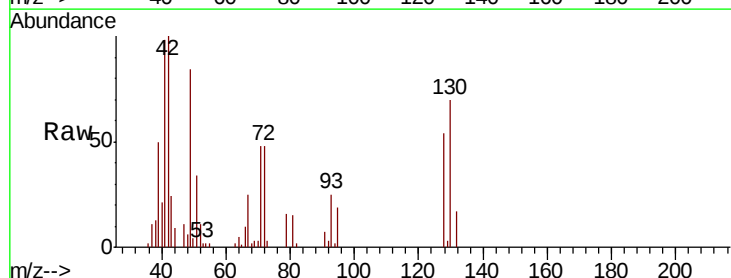
Tgt Ion: 49 Resp: 26443

Ion Ratio Lower Upper

49 100

129 1.5 0.0 3.2

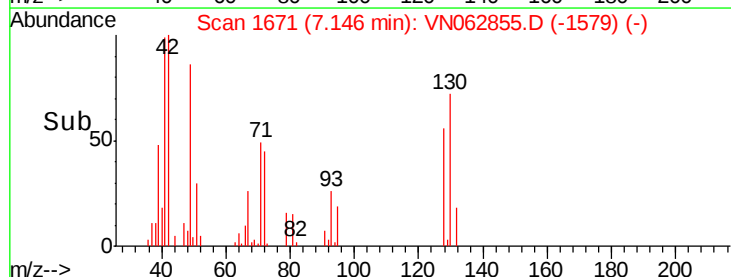
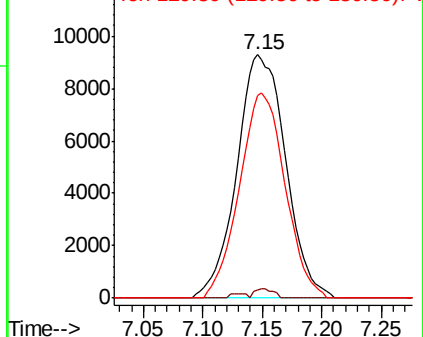
130 78.6 59.0 88.6

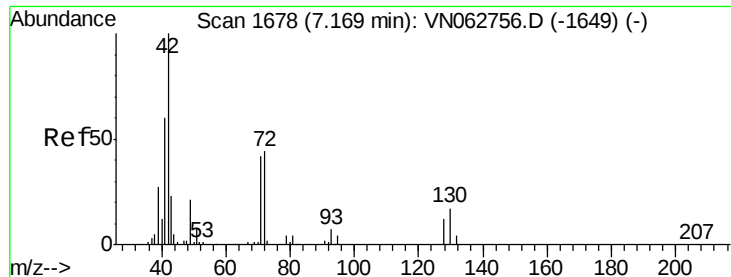


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 84.928 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN062855.D

Acq: 12 Aug 2020 14:06

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBSD01

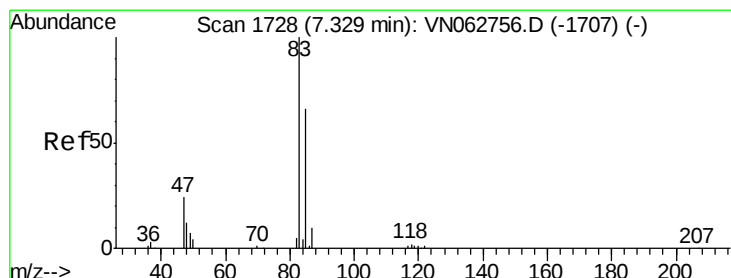
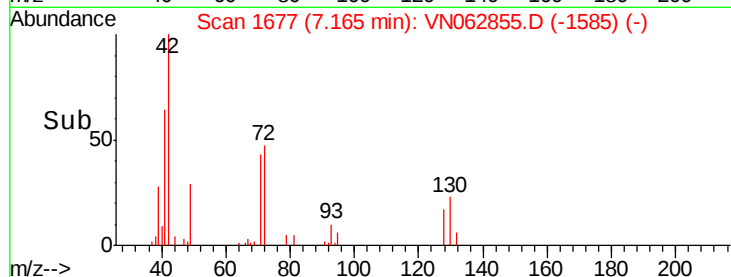
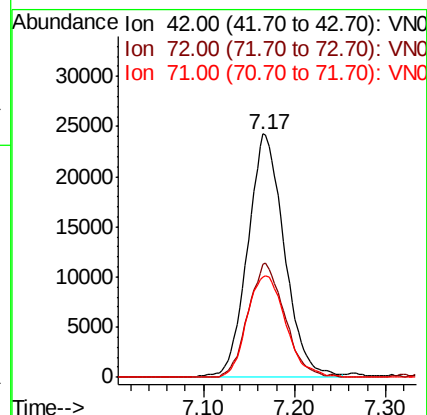
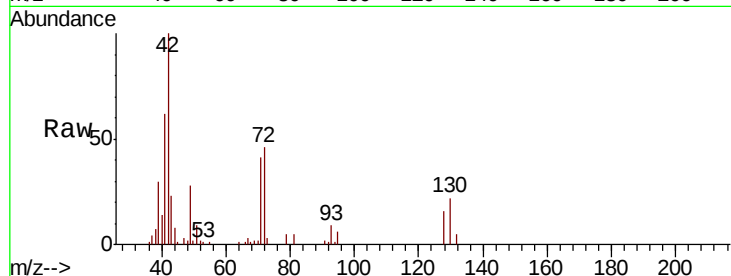
Tot Ion: 42 Resp: 68102

Ion Ratio Lower Upper

42 100

72 46.1 35.0 52.4

71 43.9 33.2 49.8



#30

Chloroform

Concen: 17.375 ug/l

RT: 7.33 min Scan# 1728

Delta R.T. -0.00 min

Lab File: VN062855.D

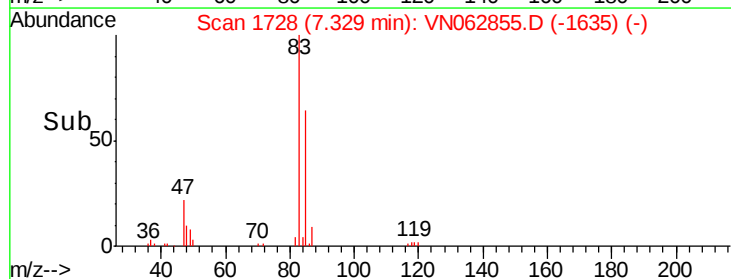
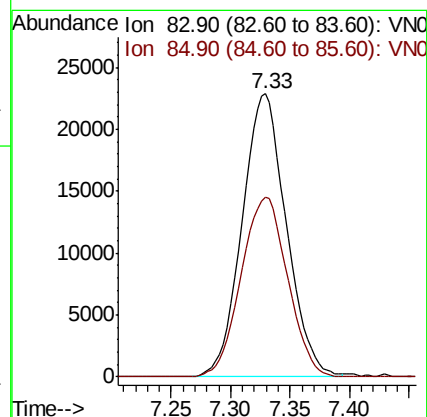
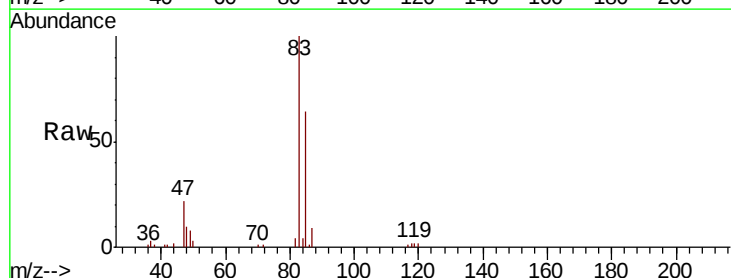
Acq: 12 Aug 2020 14:06

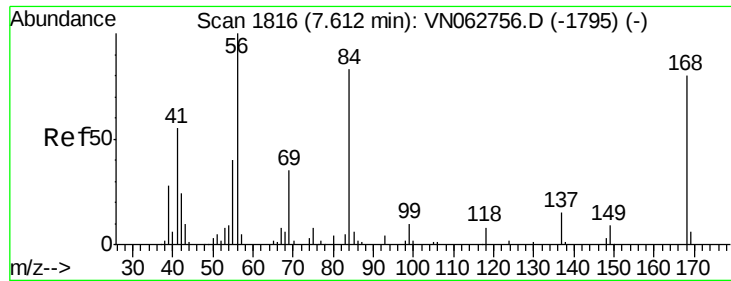
Tgt Ion: 83 Resp: 58822

Ion Ratio Lower Upper

83 100

85 63.6 52.7 79.1

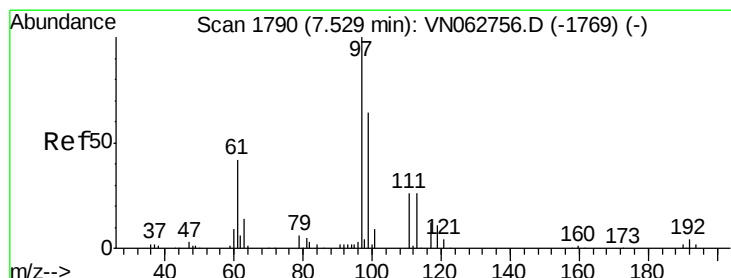
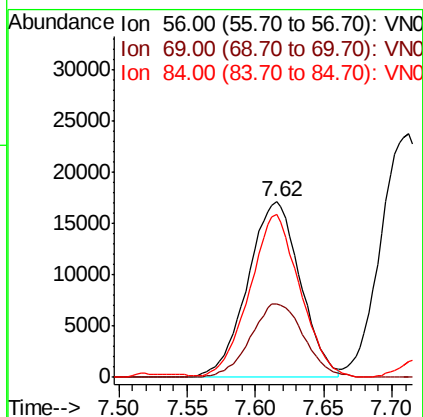
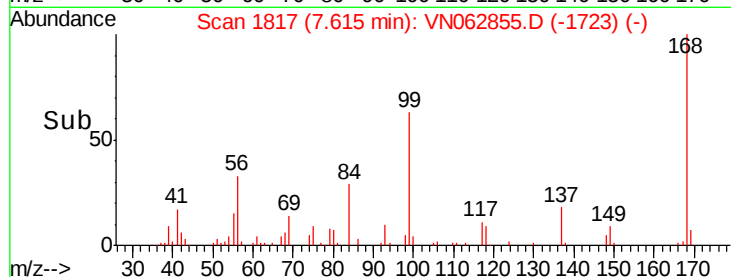
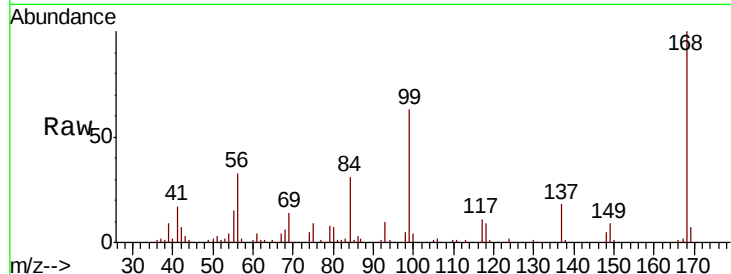




#31
Cyclohexane
Concen: 15.725 ug/l
RT: 7.62 min Scan# 1817
Delta R.T. 0.00 min
Lab File: VN062855.D
Acq: 12 Aug 2020 14:06

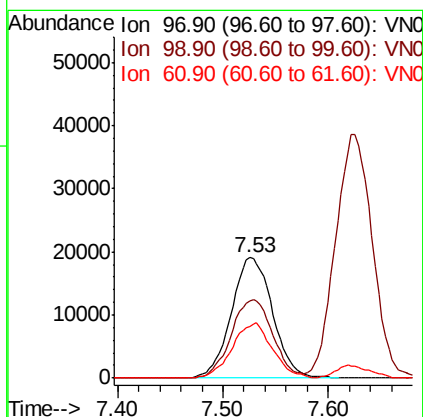
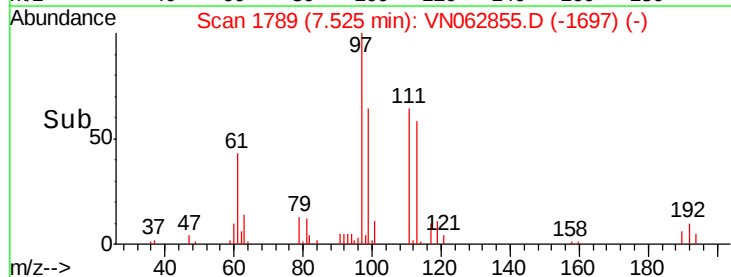
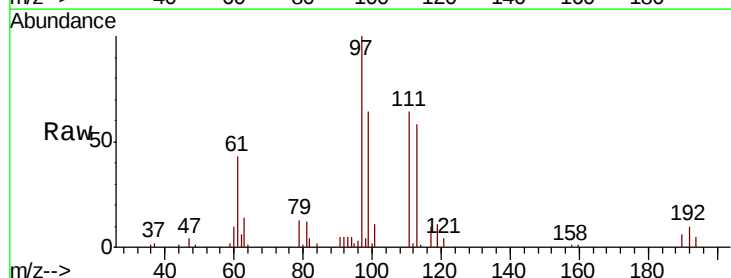
Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD01

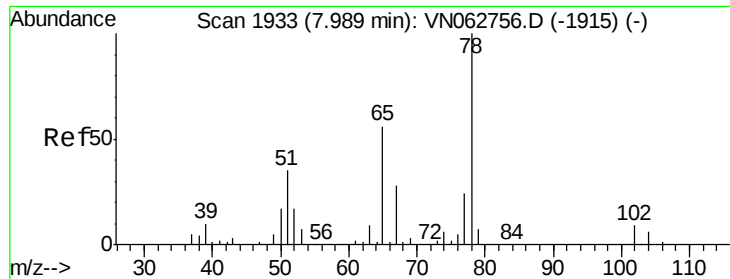
Tot Ion: 56 Resp: 45981
Ion Ratio Lower Upper
56 100
69 41.9 28.1 42.1
84 91.6 66.8 100.2



#32
1,1,1-Trichloroethane
Concen: 17.138 ug/l
RT: 7.53 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VN062855.D
Acq: 12 Aug 2020 14:06

Tgt Ion: 97 Resp: 51874
Ion Ratio Lower Upper
97 100
99 65.4 50.0 75.0
61 44.5 34.8 52.2

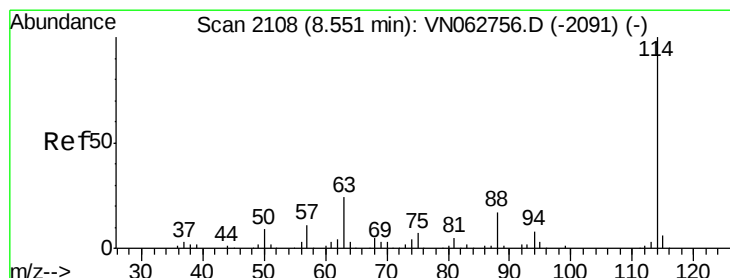
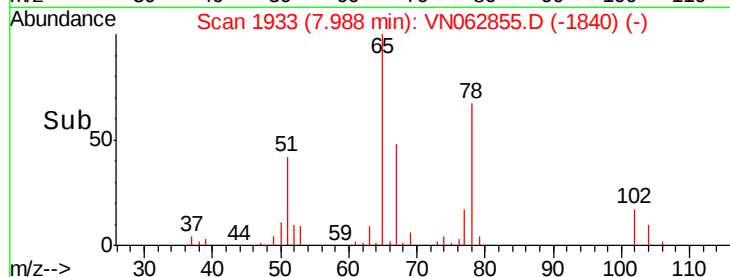
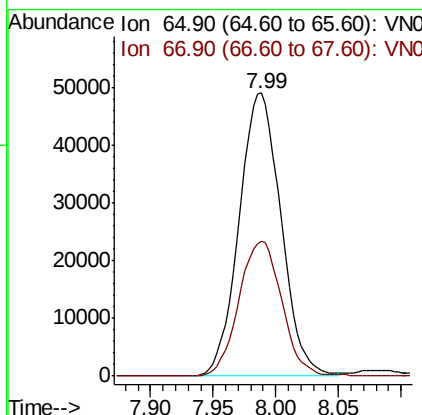
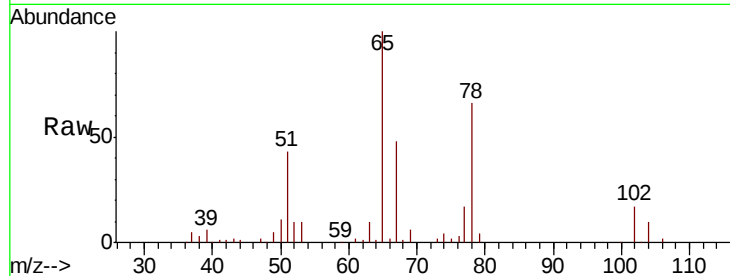




#33
 1,2-Dichloroethane-d4
 Concen: 47.402 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. -0.00 min
 Lab File: VN062855.D
 Acq: 12 Aug 2020 14:06

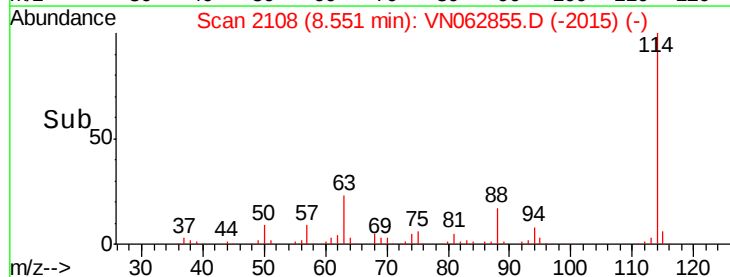
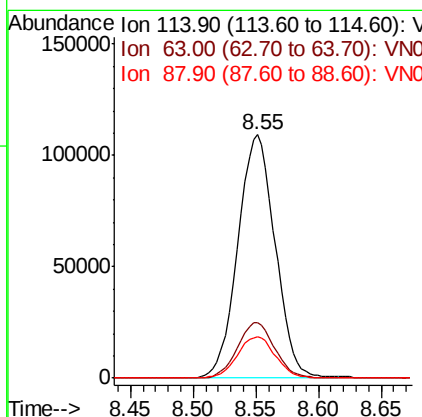
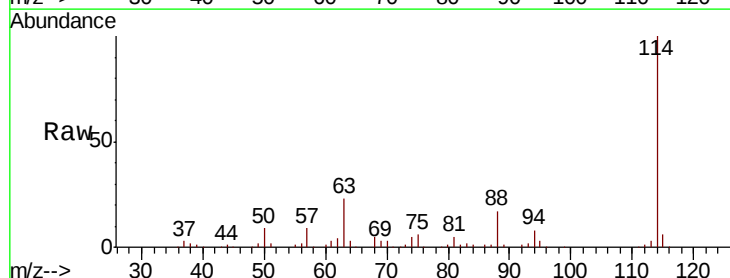
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBSD01

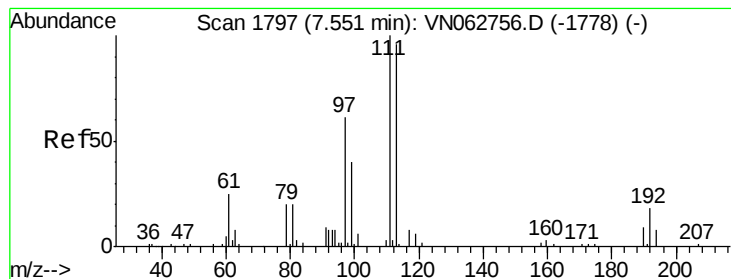
Tot Ion: 65 Resp: 114325
 Ion Ratio Lower Upper
 65 100
 67 48.7 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062855.D
 Acq: 12 Aug 2020 14:06

Tgt Ion: 114 Resp: 226039
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 47.6
 88 16.8 0.0 34.4





#35

Dibromofluoromethane

Concen: 49.632 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN062855.D

Acq: 12 Aug 2020 14:06

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBSD01

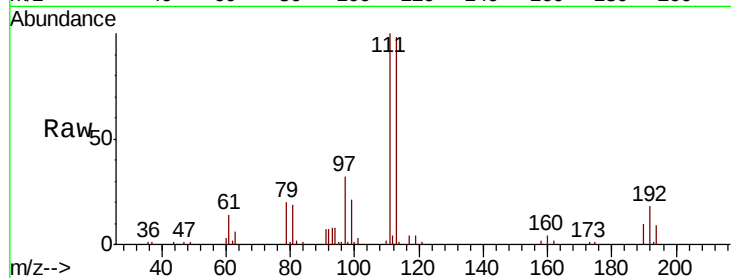
Tot Ion:113 Resp: 76742

Ion Ratio Lower Upper

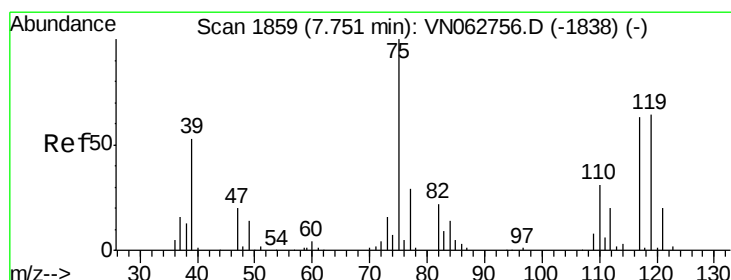
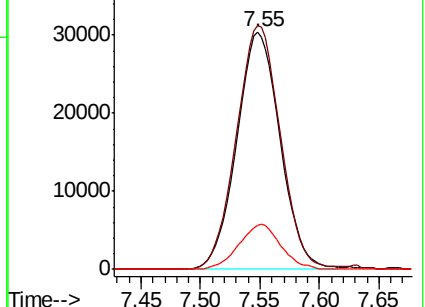
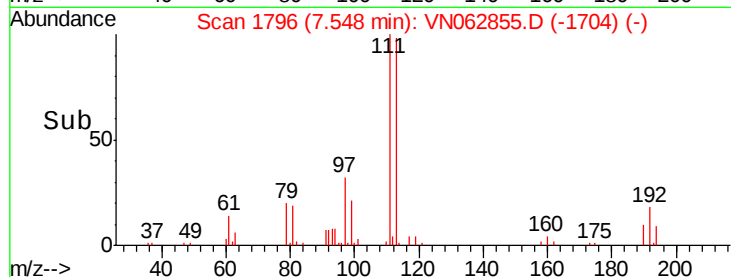
113 100

111 103.8 81.8 122.6

192 18.3 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: 17.029 ug/l

RT: 7.75 min Scan# 1860

Delta R.T. 0.00 min

Lab File: VN062855.D

Acq: 12 Aug 2020 14:06

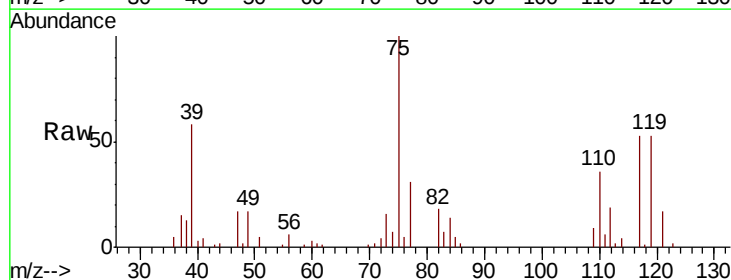
Tgt Ion: 75 Resp: 37480

Ion Ratio Lower Upper

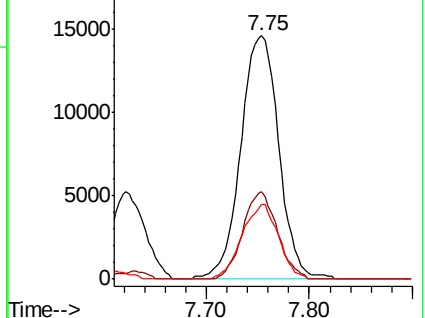
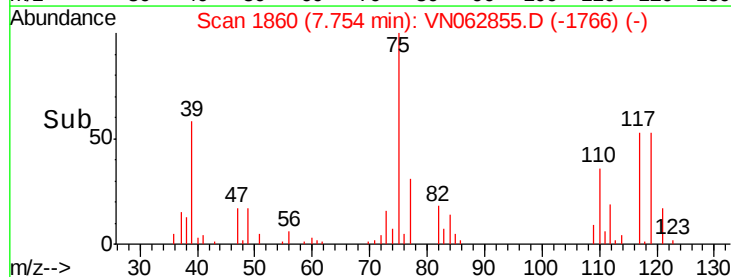
75 100

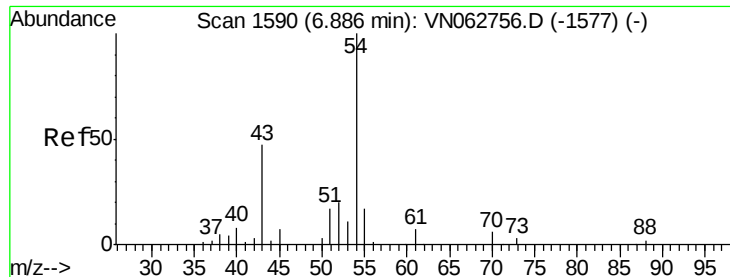
110 32.5 15.6 46.7

77 29.5 24.1 36.1



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VN0

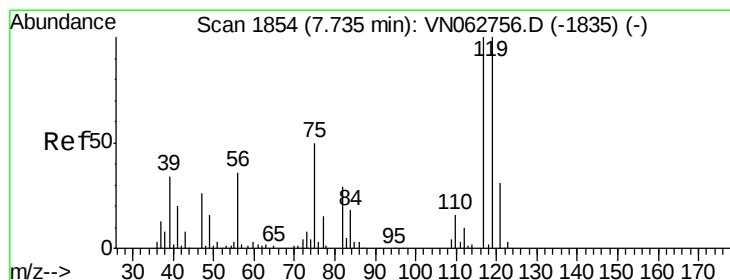
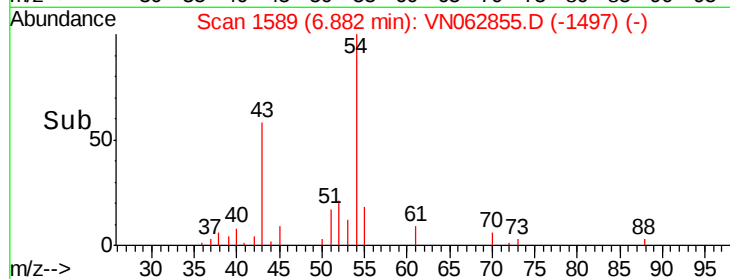
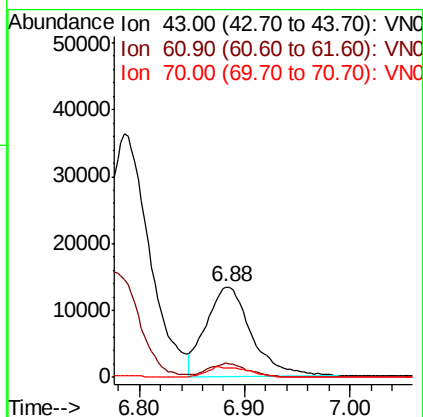
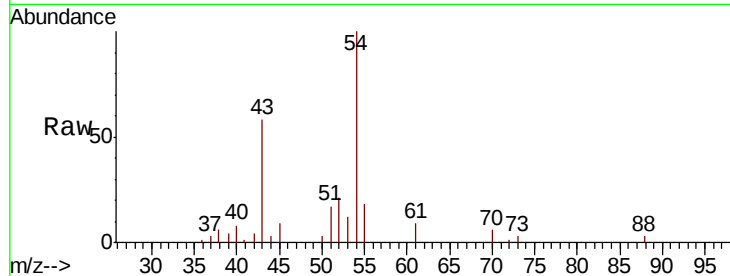




#37
Ethyl Acetate
Concen: 17.201 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. -0.00 min
Lab File: VN062855.D
Acq: 12 Aug 2020 14:06

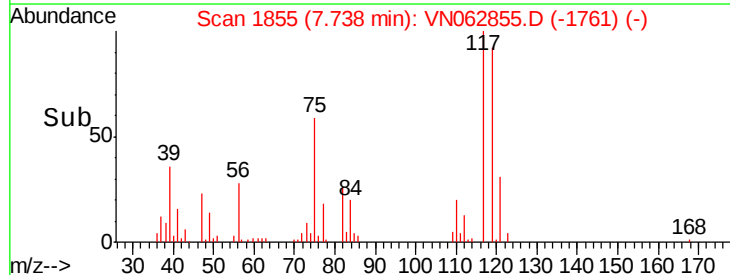
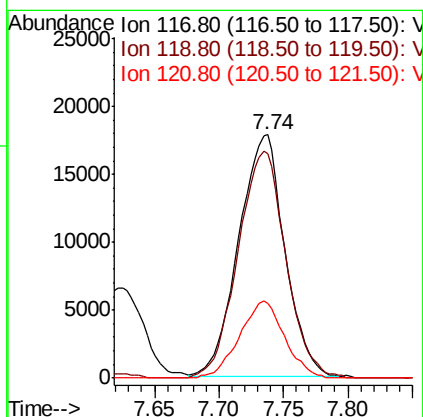
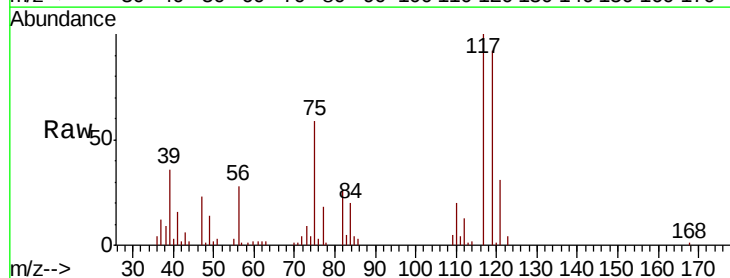
Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD01

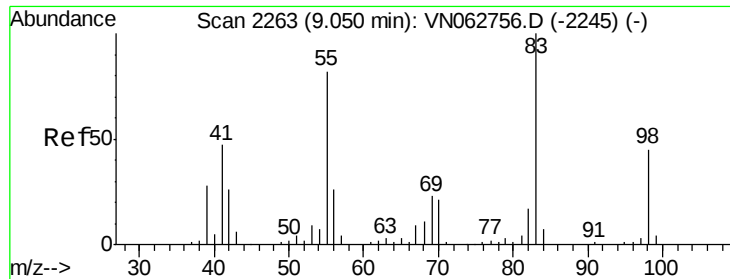
Tot Ion: 43 Resp: 39548
Ion Ratio Lower Upper
43 100
61 13.9 12.1 18.1
70 5.1 8.3 12.5#



#38
Carbon Tetrachloride
Concen: 17.048 ug/l
RT: 7.74 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VN062855.D
Acq: 12 Aug 2020 14:06

Tgt Ion: 117 Resp: 44378
Ion Ratio Lower Upper
117 100
119 93.0 79.4 119.2
121 31.1 24.9 37.3

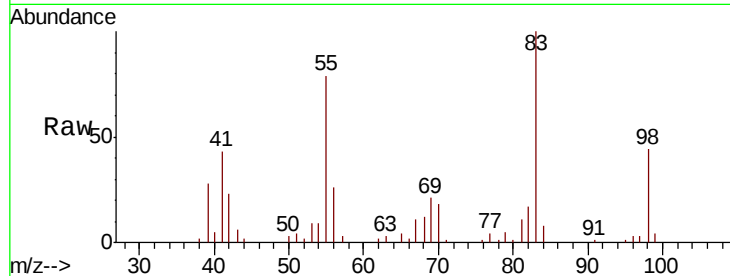




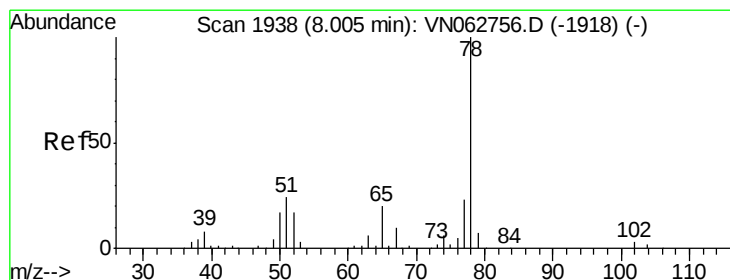
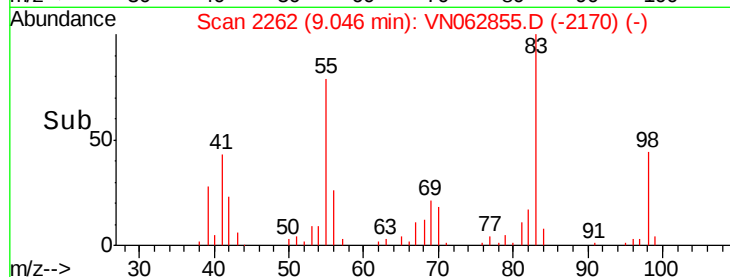
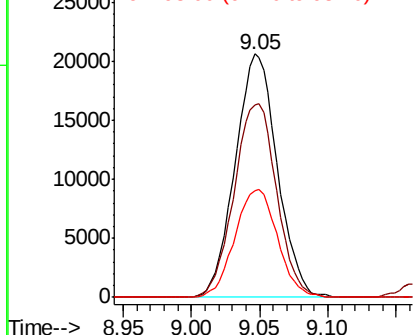
#39
Methvlcvclohexane
Concen: 16.686 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN062855.D
Acq: 12 Aug 2020 14:06

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD01

Tot Ion: 83 Resp: 44196
Ion Ratio Lower Upper
83 100
55 79.3 65.7 98.5
98 43.9 35.6 53.4

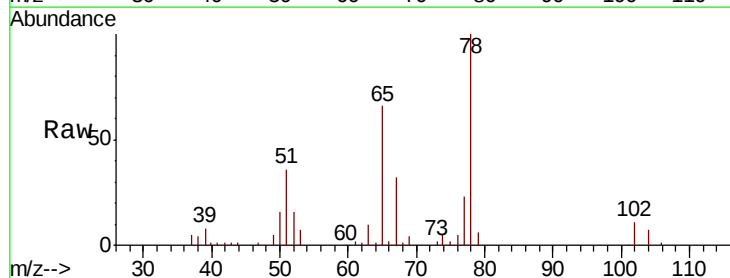


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

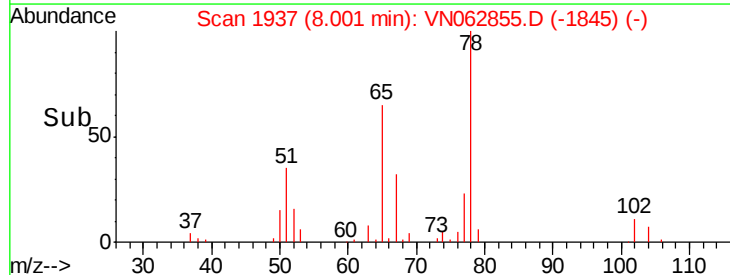
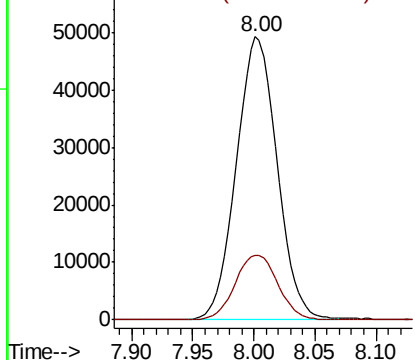


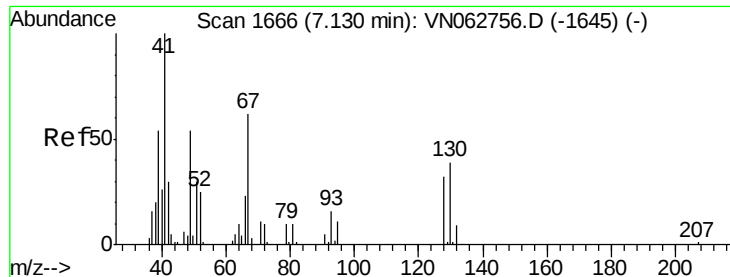
#40
Benzene
Concen: 17.348 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN062855.D
Acq: 12 Aug 2020 14:06

Tgt Ion: 78 Resp: 113934
Ion Ratio Lower Upper
78 100
77 22.9 18.1 27.1



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

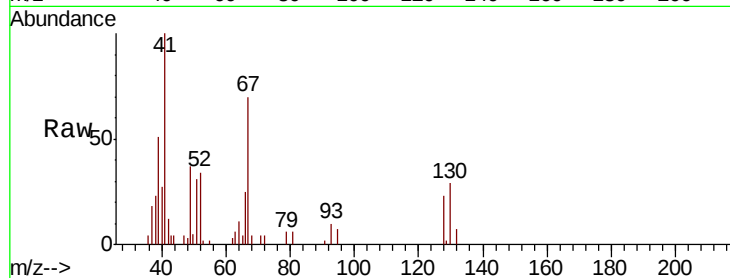




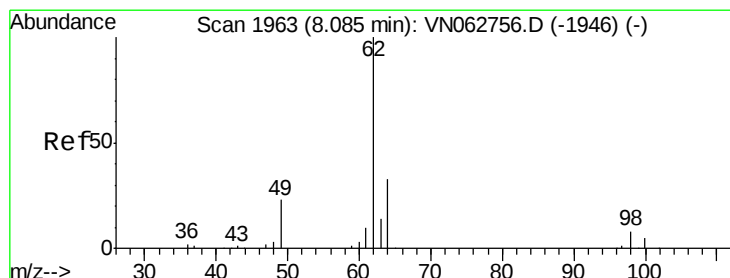
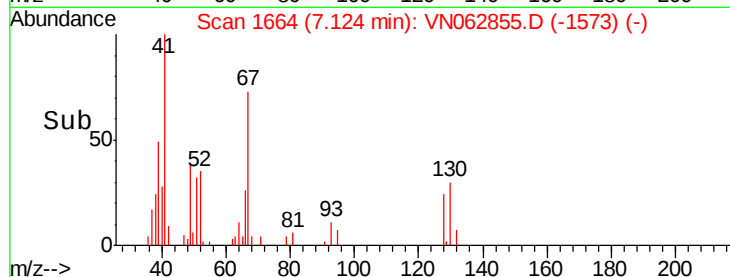
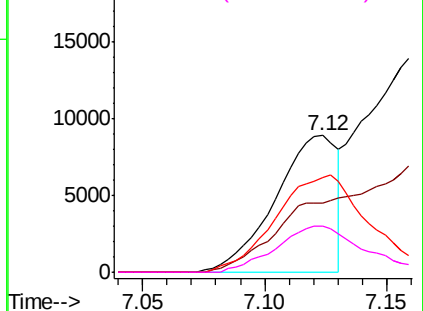
#41
Methacrylonitrile
Concen: 15.191 ug/l
RT: 7.12 min Scan# 1664
Delta R.T. -0.01 min
Lab File: VN062855.D
Acq: 12 Aug 2020 14:06

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD01

Tot Ion: 41 Resp: 15760
Ion Ratio Lower Upper
41 100
39 0.0 69.4 104.2#
67 107.5 0.0 0.0#
52 49.3 0.0 0.0#

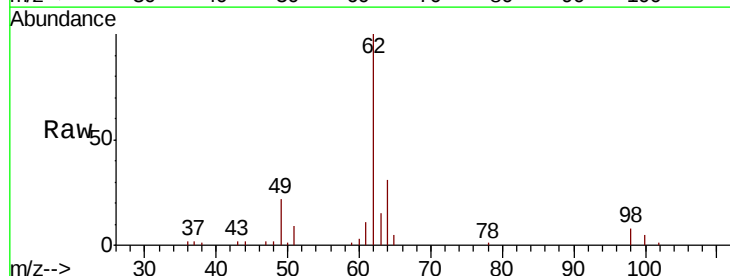


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

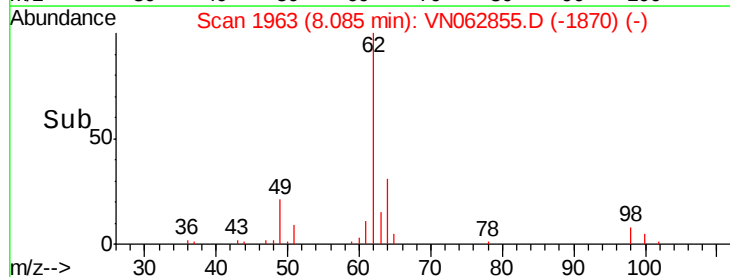
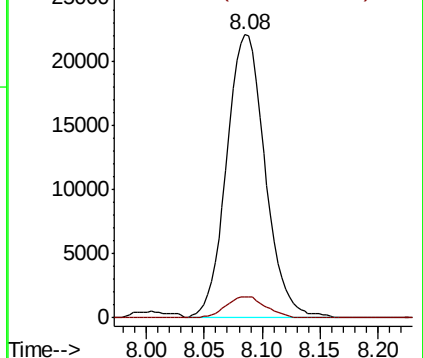


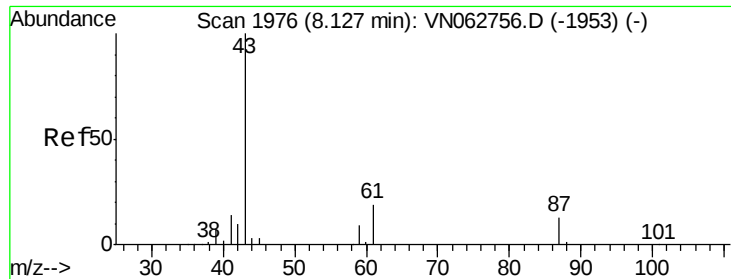
#42
1,2-Dichloroethane
Concen: 18.221 ug/l
RT: 8.08 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN062855.D
Acq: 12 Aug 2020 14:06

Tgt Ion: 62 Resp: 50934
Ion Ratio Lower Upper
62 100
98 7.8 0.0 15.8



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 17.041 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN062855.D

Acq: 12 Aug 2020 14:06

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBSD01

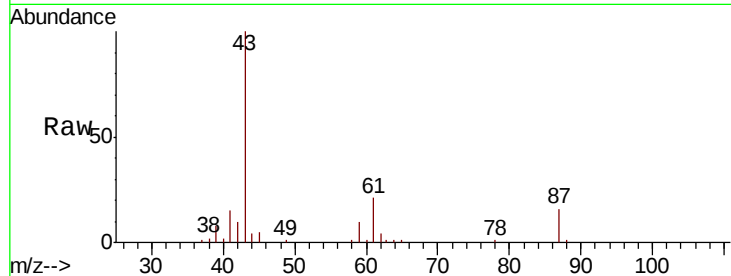
Tot Ion: 43 Resp: 65350

Ion Ratio Lower Upper

43 100

61 20.8 15.8 23.6

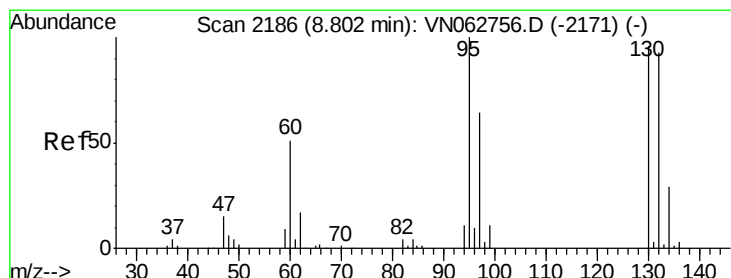
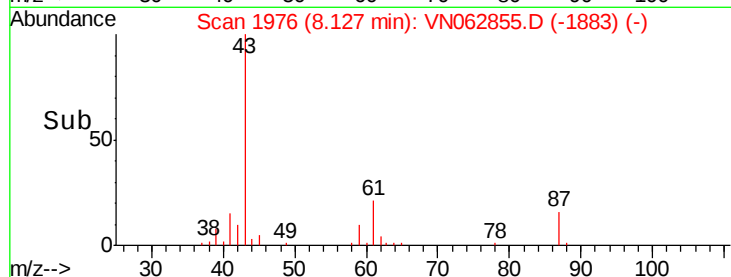
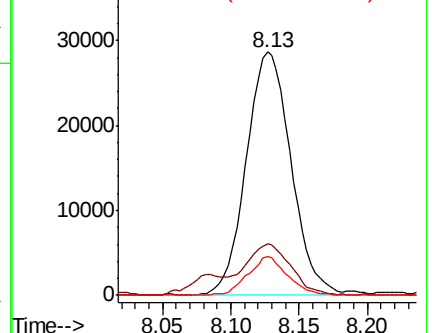
87 14.1 9.9 14.9



Abundance Ion 43.00 (42.70 to 43.70): VN062756.D (-1953) (-)

Ion 61.00 (60.70 to 61.70): VN062756.D (-1953) (-)

Ion 87.00 (86.70 to 87.70): VN062756.D (-1953) (-)



#44

Trichloroethene

Concen: 17.740 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VN062855.D

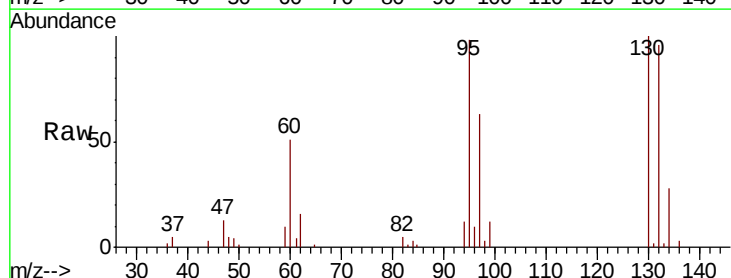
Acq: 12 Aug 2020 14:06

Tgt Ion: 130 Resp: 28386

Ion Ratio Lower Upper

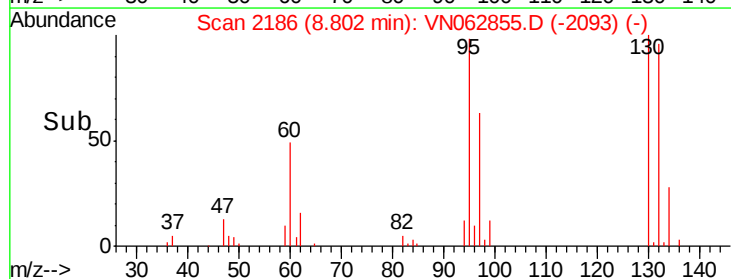
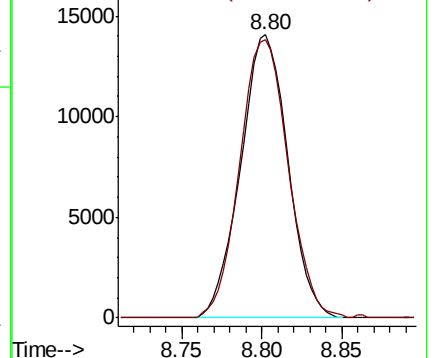
130 100

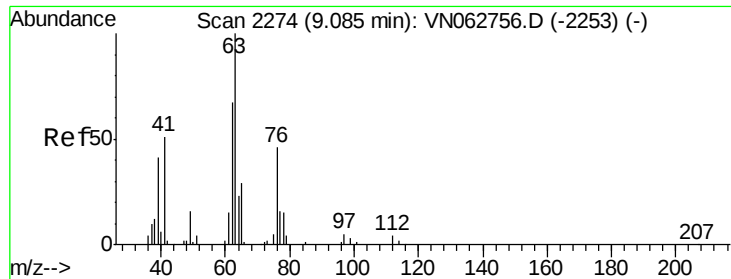
95 98.2 0.0 207.6



Abundance Ion 129.80 (129.50 to 130.50): VN062756.D (-2171) (-)

Ion 94.90 (94.60 to 95.60): VN062756.D (-2171) (-)





#45

1,2-Dichloropropane

Concen: 17.899 ug/l

RT: 9.08 min Scan# 2274

Delta R.T. -0.00 min

Lab File: VN062855.D

Acq: 12 Aug 2020 14:06

Instrument :

MSVOA_N

ClientSampleId :

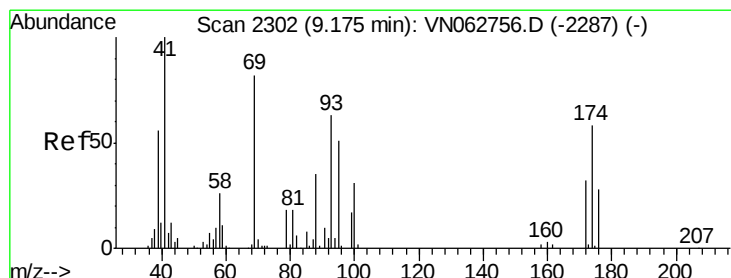
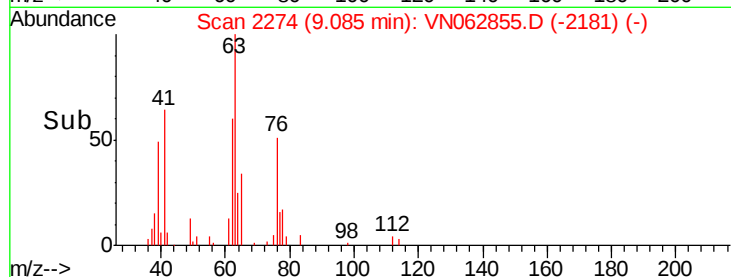
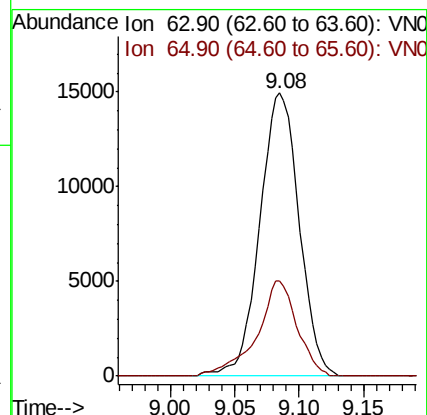
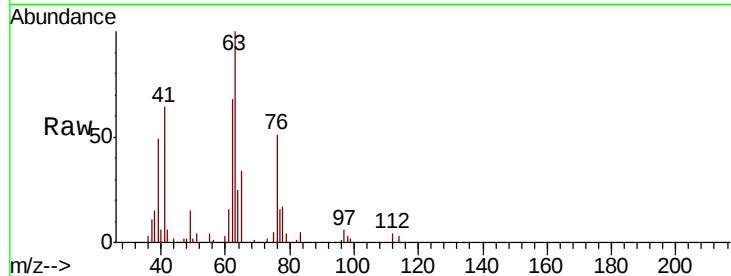
VN0812WBSD01

Tot Ion: 63 Resp: 31816

Ion Ratio Lower Upper

63 100

65 33.7 23.5 35.3



#46

Dibromomethane

Concen: 18.835 ug/l

RT: 9.18 min Scan# 2303

Delta R.T. 0.00 min

Lab File: VN062855.D

Acq: 12 Aug 2020 14:06

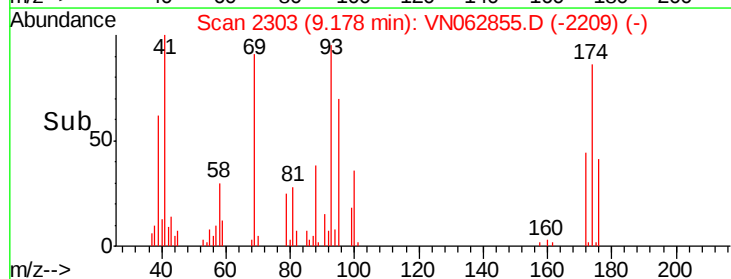
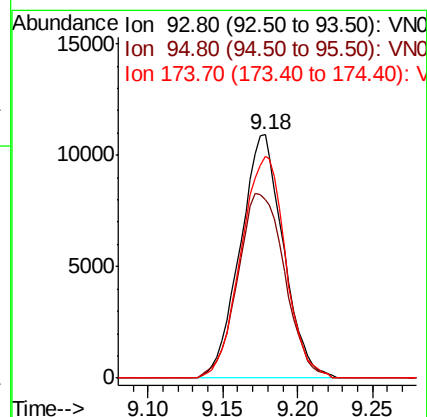
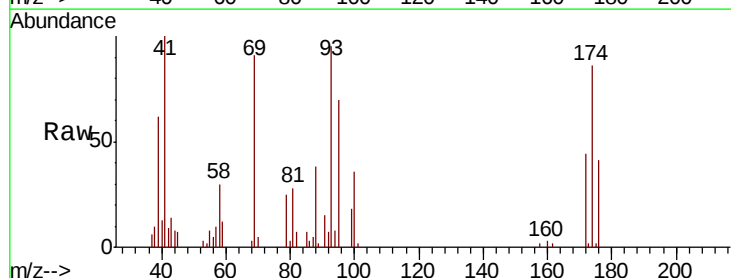
Tgt Ion: 93 Resp: 21937

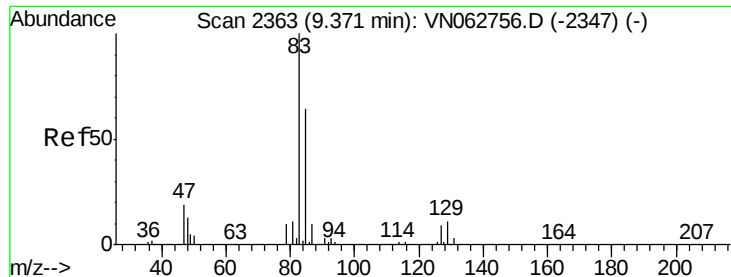
Ion Ratio Lower Upper

93 100

95 82.6 65.1 97.7

174 93.9 73.9 110.9





#47

Bromodichloromethane

Concen: 18.406 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. -0.00 min

Lab File: VN062855.D

Acq: 12 Aug 2020 14:06

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBSD01

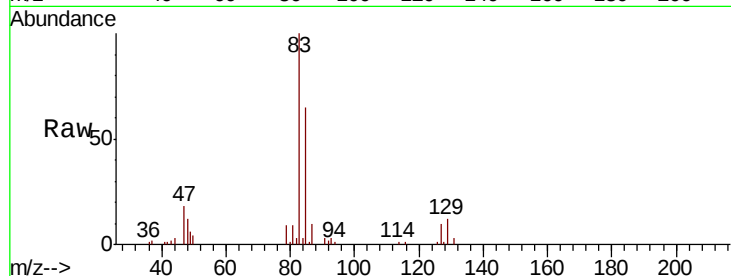
Tot Ion: 83 Resp: 48147

Ion Ratio Lower Upper

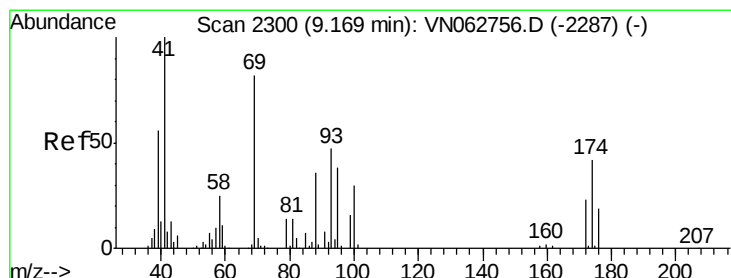
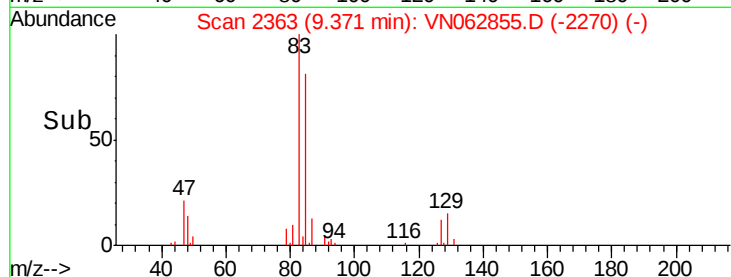
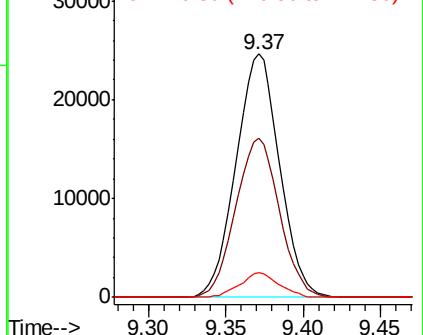
83 100

85 65.3 51.4 77.0

127 10.0 6.9 10.3



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 16.511 ug/l

RT: 9.17 min Scan# 2300

Delta R.T. -0.00 min

Lab File: VN062855.D

Acq: 12 Aug 2020 14:06

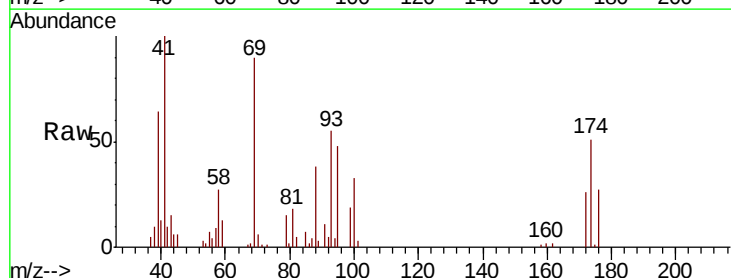
Tgt Ion: 41 Resp: 31143

Ion Ratio Lower Upper

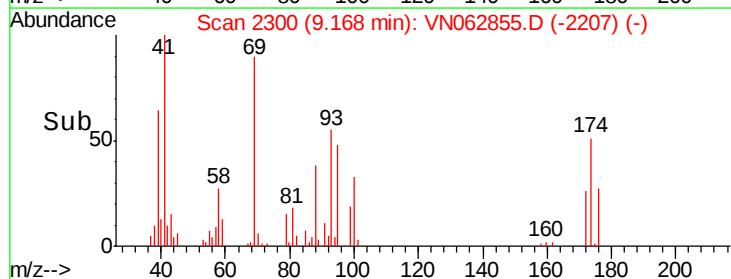
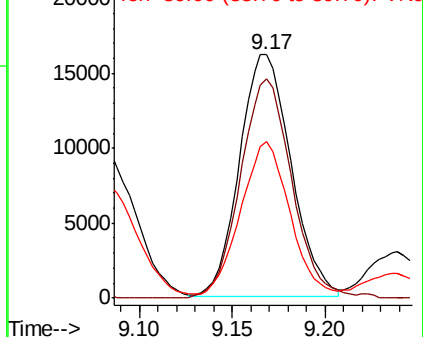
41 100

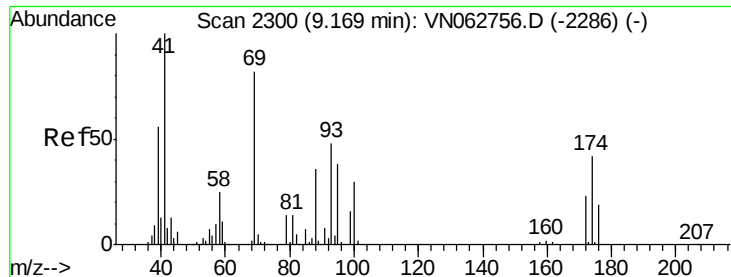
69 90.5 67.4 101.2

39 62.9 47.6 71.4



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





#49

1,4-Dioxane

Concen: 371.865 ug/l

RT: 9.17 min Scan# 2299

Delta R.T. -0.00 min

Lab File: VN062855.D

Acq: 12 Aug 2020 14:06

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBSD01

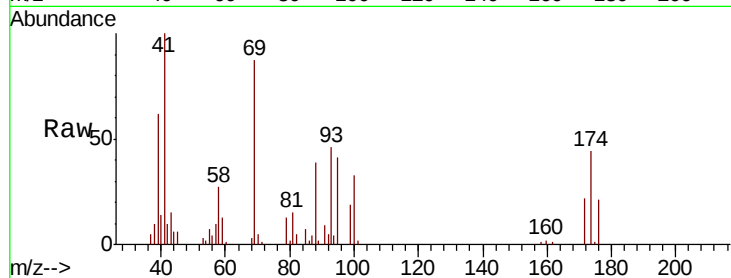
Tot Ion: 88 Resp: 12997

Ion Ratio Lower Upper

88 100

43 36.0 29.5 44.3

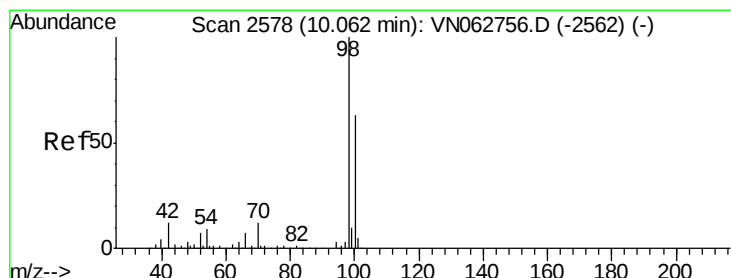
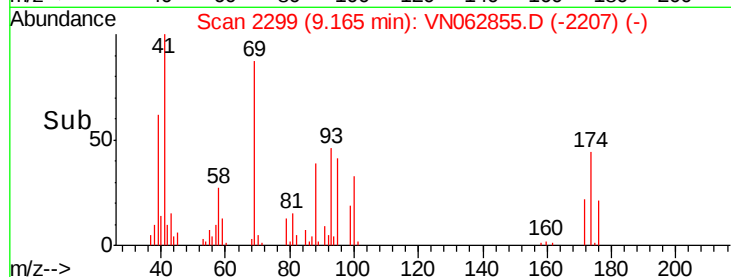
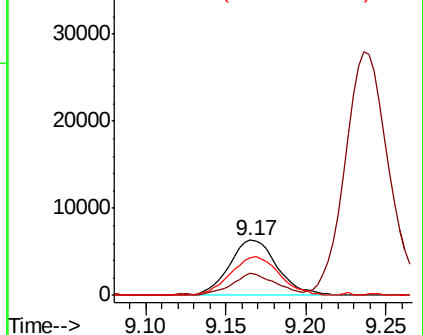
58 70.8 59.8 89.8



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 47.161 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062855.D

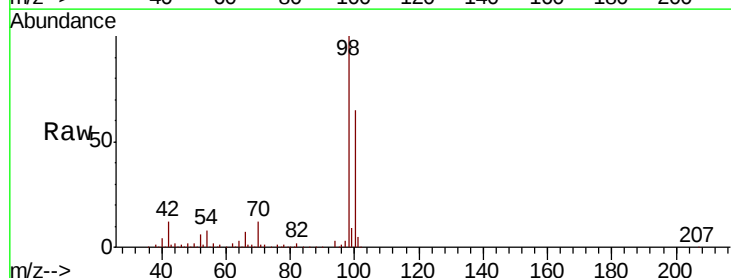
Acq: 12 Aug 2020 14:06

Tgt Ion: 98 Resp: 284695

Ion Ratio Lower Upper

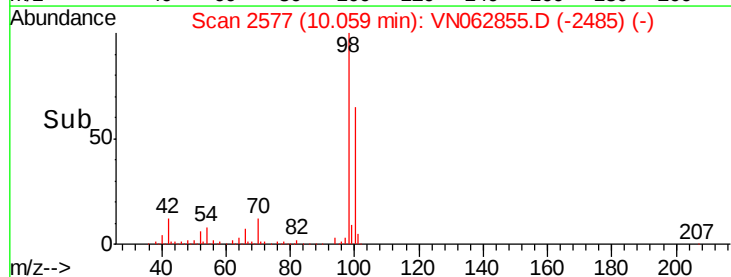
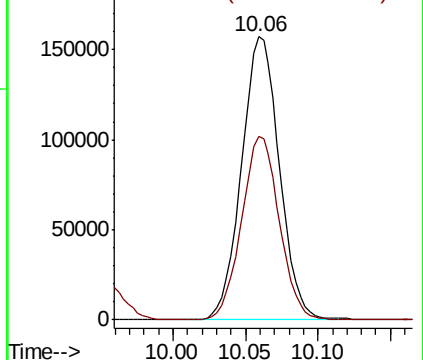
98 100

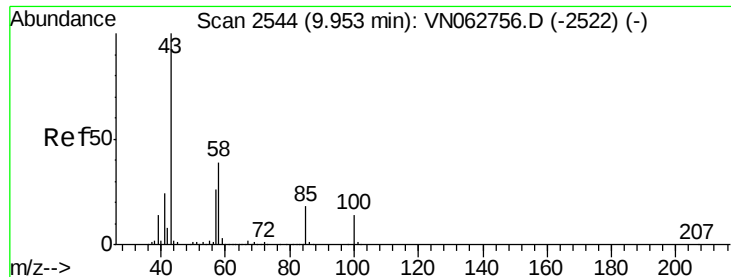
100 64.7 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

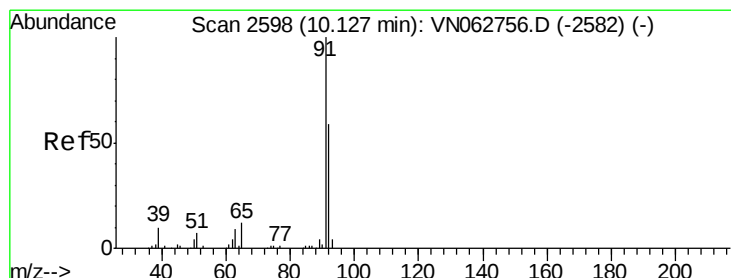
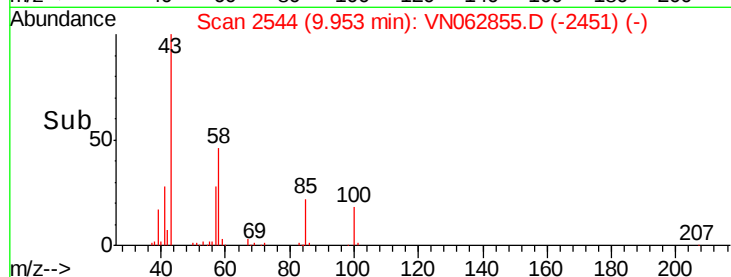
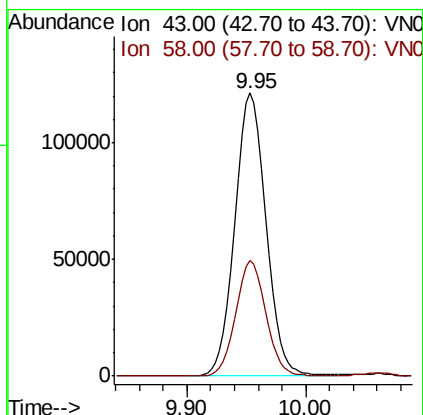
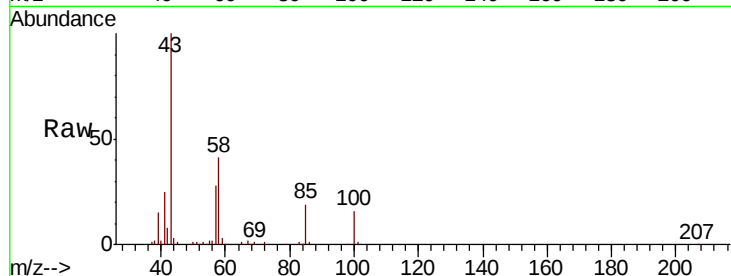




#51
 4-Methyl-2-Pentanone
 Concen: 89.112 ug/l
 RT: 9.95 min Scan# 2544
 Delta R.T. -0.00 min
 Lab File: VN062855.D
 Acq: 12 Aug 2020 14:06

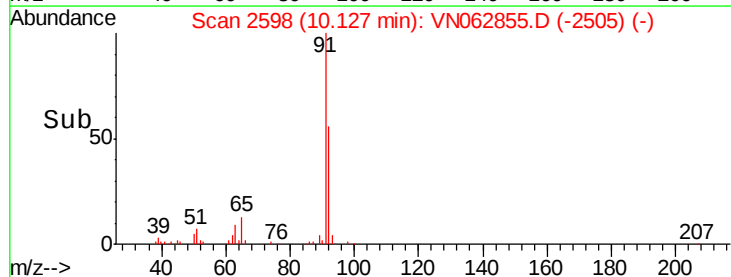
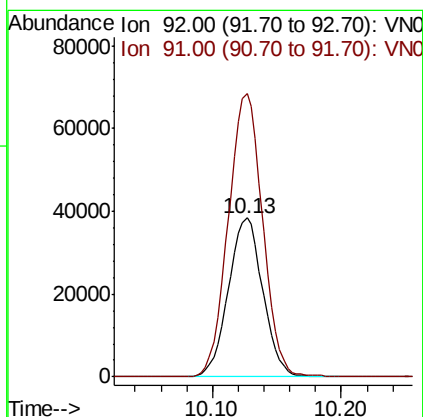
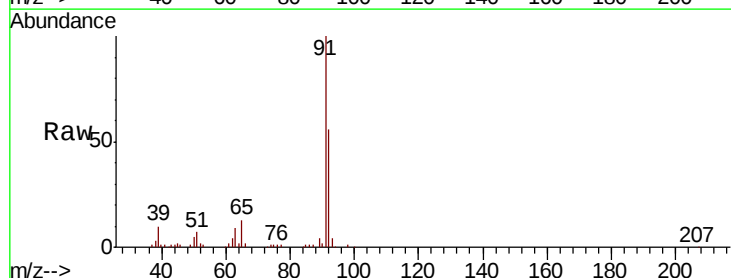
Instrument :
 MSVOA_N
 ClientSampleID :
 VN0812WBSD01

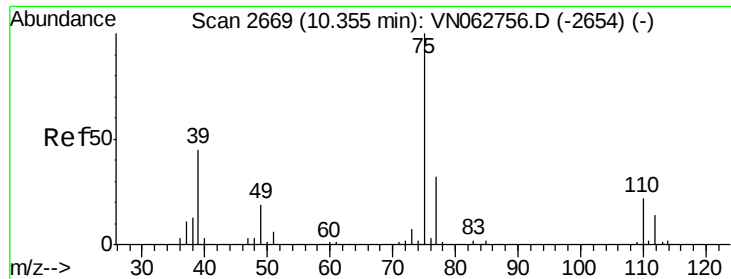
Tot Ion: 43 Resp: 221106
 Ion Ratio Lower Upper
 43 100
 58 39.3 31.1 46.7



#52
 Toluene
 Concen: 17.548 ug/l
 RT: 10.13 min Scan# 2598
 Delta R.T. -0.00 min
 Lab File: VN062855.D
 Acq: 12 Aug 2020 14:06

Tgt Ion: 92 Resp: 71157
 Ion Ratio Lower Upper
 92 100
 91 177.8 138.9 208.3





#53

t-1,3-Dichloropropene

Concen: 17.609 ug/l

RT: 10.35 min Scan# 2669

Delta R.T. -0.00 min

Lab File: VN062855.D

Acq: 12 Aug 2020 14:06

Instrument :

MSVOA_N

ClientSampleId :

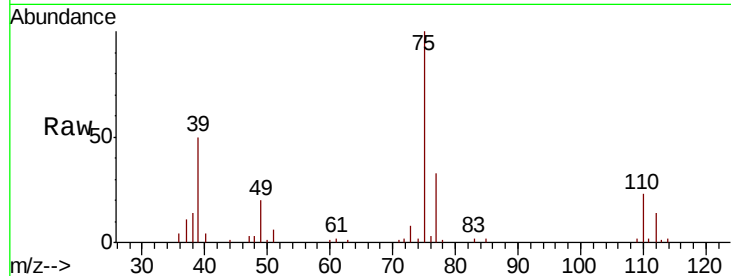
VN0812WBSD01

Tot Ion: 75 Resp: 50668

Ion Ratio Lower Upper

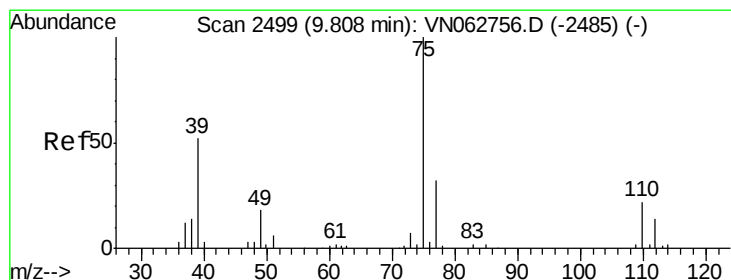
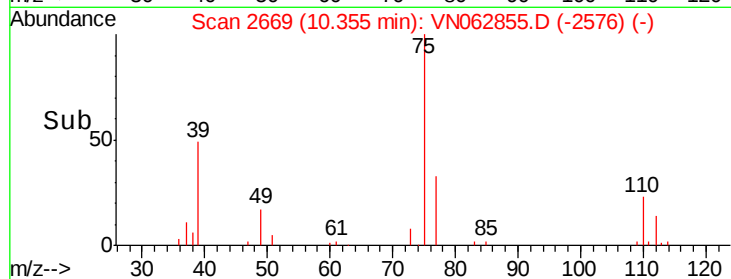
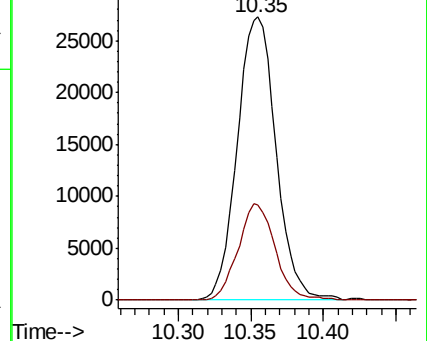
75 100

77 33.4 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 18.425 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. -0.00 min

Lab File: VN062855.D

Acq: 12 Aug 2020 14:06

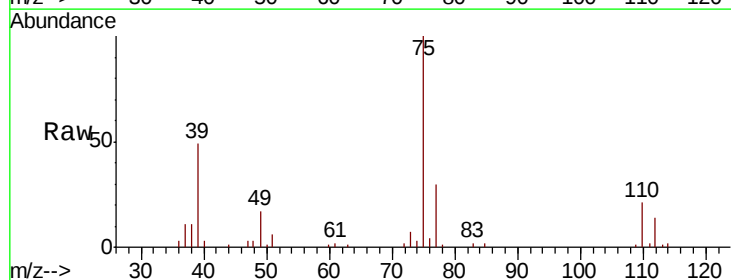
Tgt Ion: 75 Resp: 53227

Ion Ratio Lower Upper

75 100

77 30.2 25.5 38.3

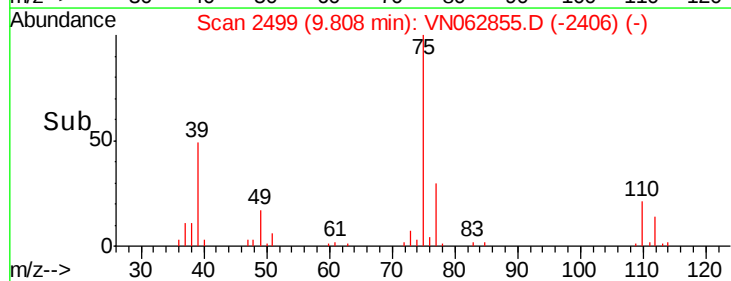
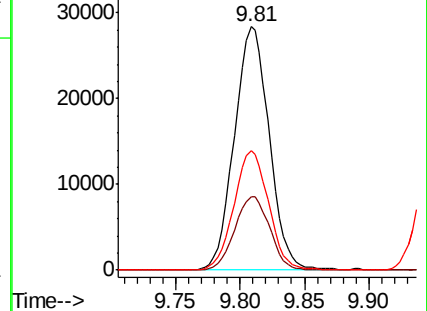
39 49.3 41.9 62.9

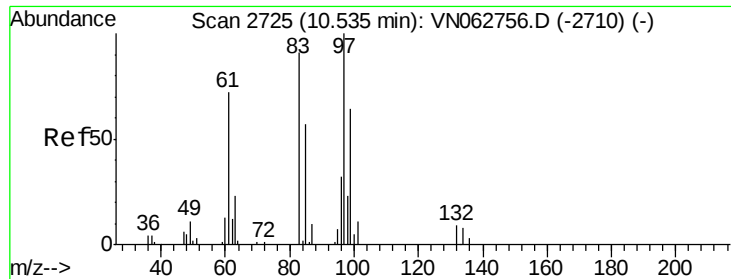


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

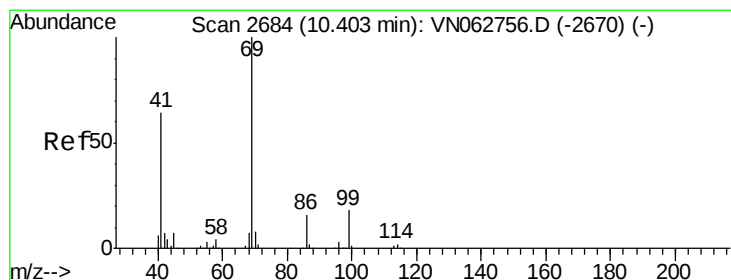
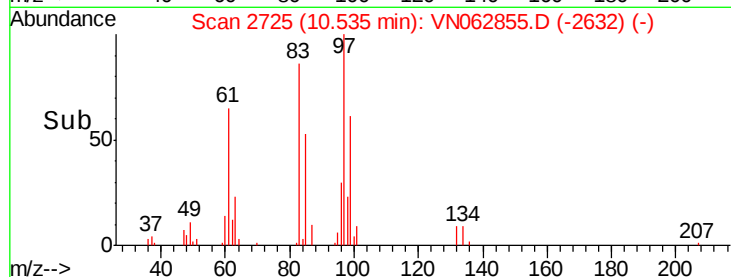
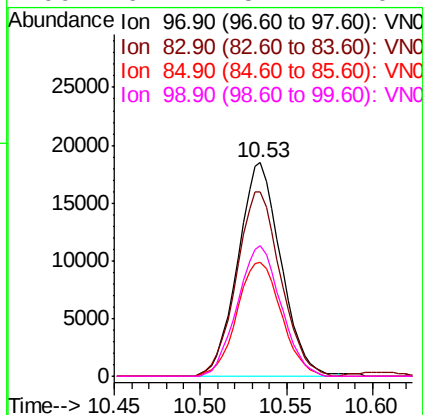
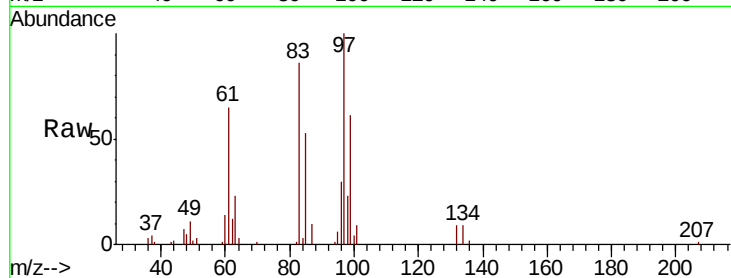




#55
 1,1,2-Trichloroethane
 Concen: 18.596 ug/l
 RT: 10.53 min Scan# 2725
 Delta R.T. -0.00 min
 Lab File: VN062855.D
 Acq: 12 Aug 2020 14:06

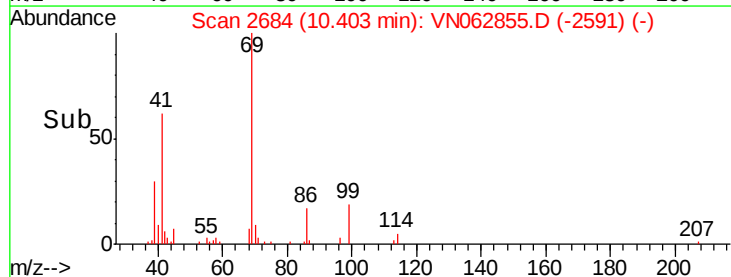
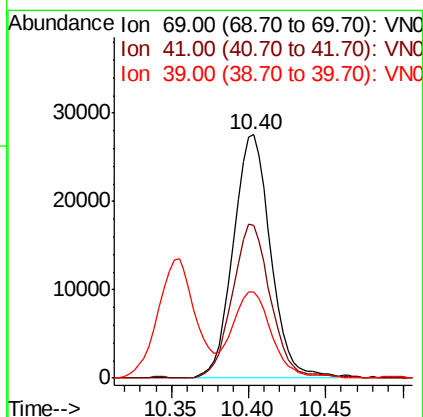
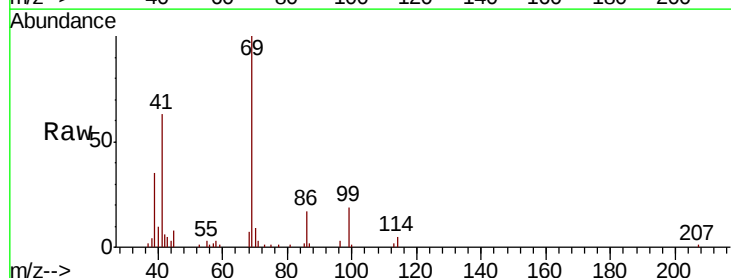
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBSD01

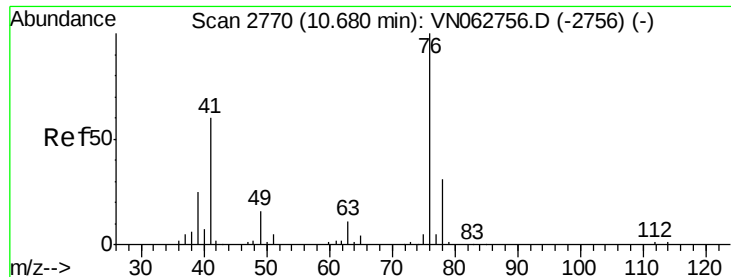
Tot Ion:	97	Resp:	32207
Ion	Ratio	Lower	Upper
97	100		
83	86.3	72.6	108.8
85	53.2	46.0	69.0
99	61.1	51.1	76.7



#56
 Ethyl methacrylate
 Concen: 17.728 ug/l
 RT: 10.40 min Scan# 2684
 Delta R.T. -0.00 min
 Lab File: VN062855.D
 Acq: 12 Aug 2020 14:06

Tgt Ion:	69	Resp:	46214
Ion	Ratio	Lower	Upper
69	100		
41	65.0	52.2	78.2
39	34.6	30.9	46.3

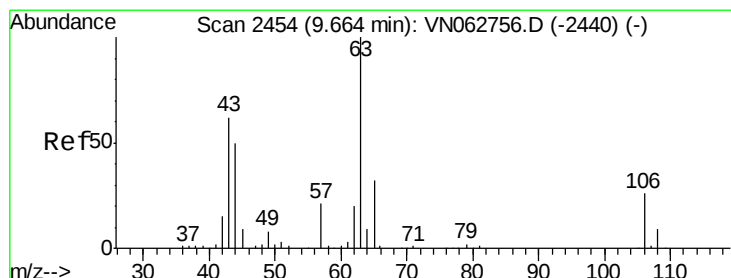
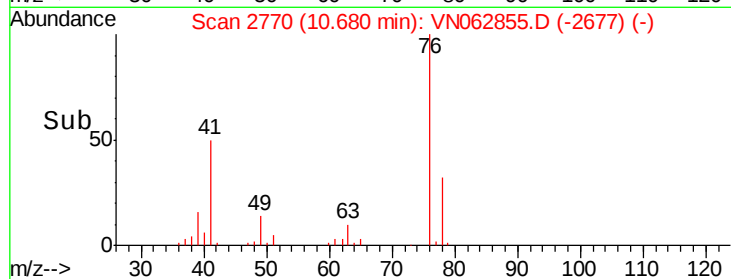
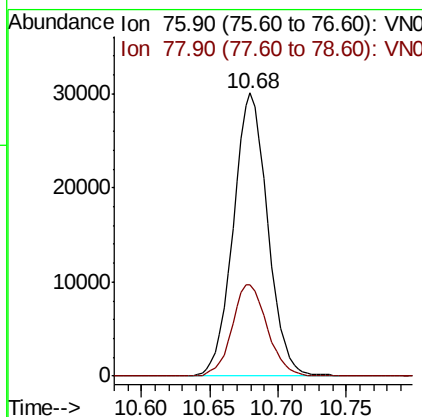
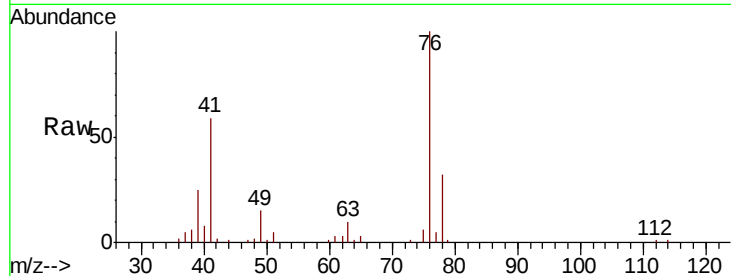




#57
 1,3-Dichloropropane
 Concen: 17.865 ug/l
 RT: 10.68 min Scan# 2770
 Delta R.T. -0.00 min
 Lab File: VN062855.D
 Acq: 12 Aug 2020 14:06

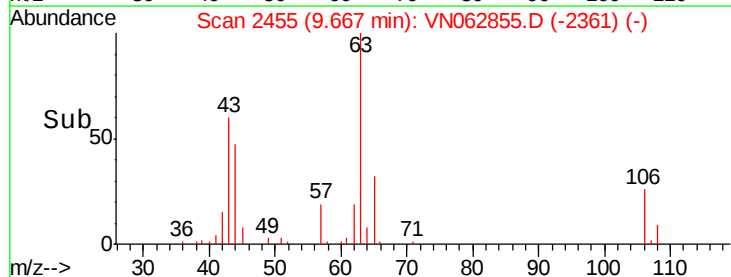
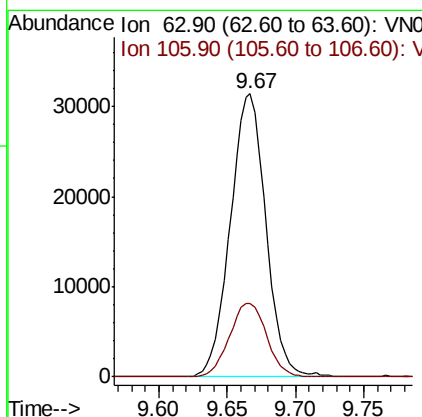
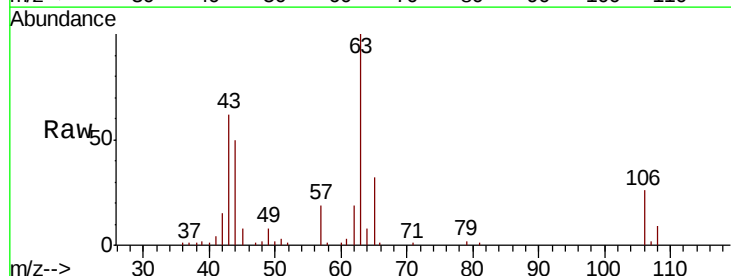
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBSD01

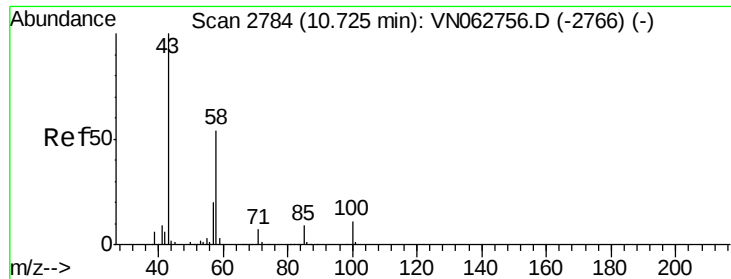
Tot Ion: 76 Resp: 52571
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 77.038 ug/l
 RT: 9.67 min Scan# 2455
 Delta R.T. 0.00 min
 Lab File: VN062855.D
 Acq: 12 Aug 2020 14:06

Tgt Ion: 63 Resp: 56766
 Ion Ratio Lower Upper
 63 100
 106 27.1 20.9 31.3

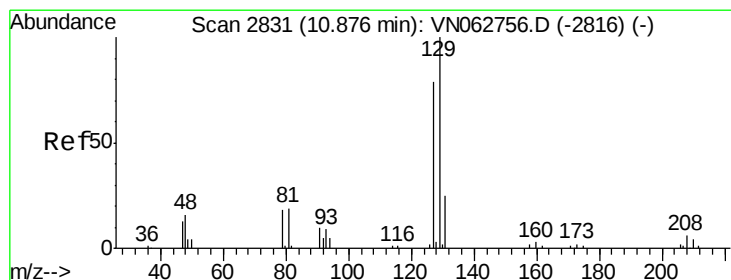
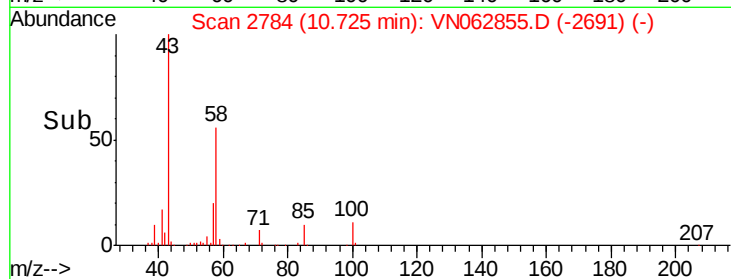
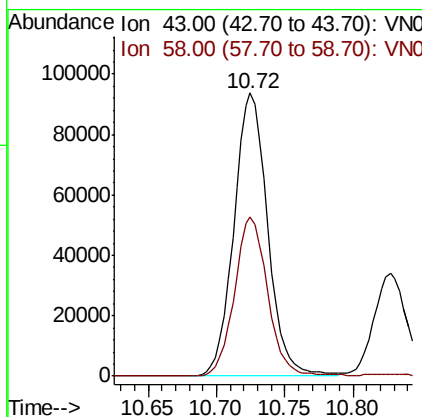
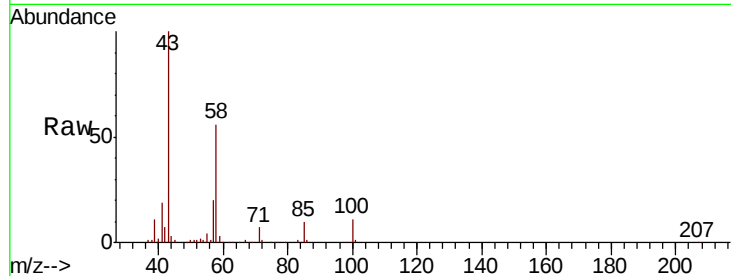




#59
2-Hexanone
Concen: 86.965 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. -0.00 min
Lab File: VN062855.D
Acq: 12 Aug 2020 14:06

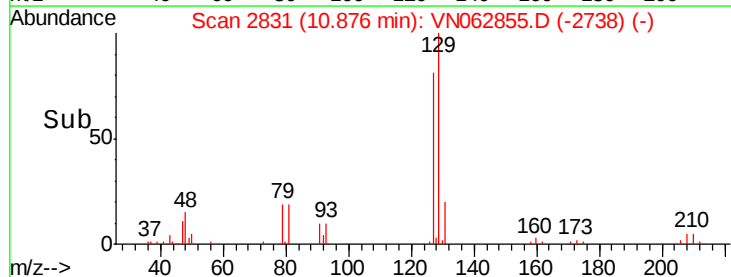
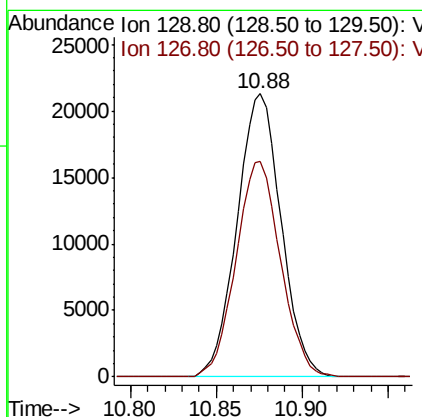
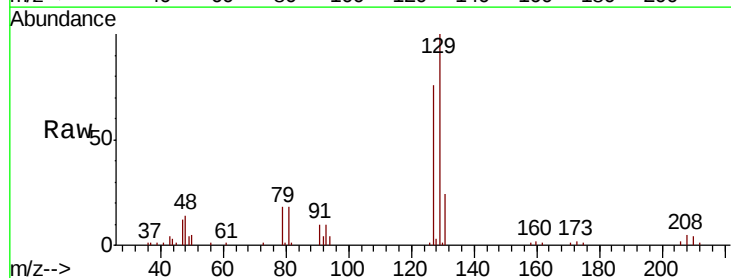
Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD01

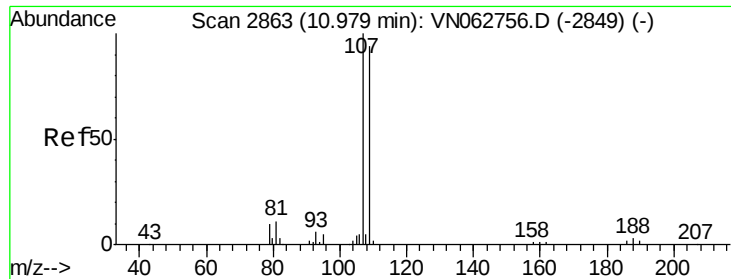
Tot Ion: 43 Resp: 160958
Ion Ratio Lower Upper
43 100
58 55.2 26.7 80.1



#60
Dibromochloromethane
Concen: 19.170 ug/l
RT: 10.88 min Scan# 2831
Delta R.T. -0.00 min
Lab File: VN062855.D
Acq: 12 Aug 2020 14:06

Tgt Ion: 129 Resp: 37888
Ion Ratio Lower Upper
129 100
127 76.7 39.1 117.2

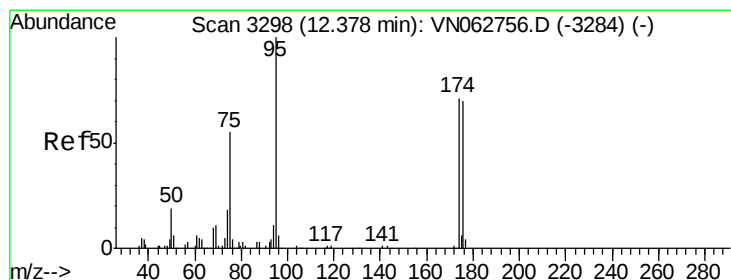
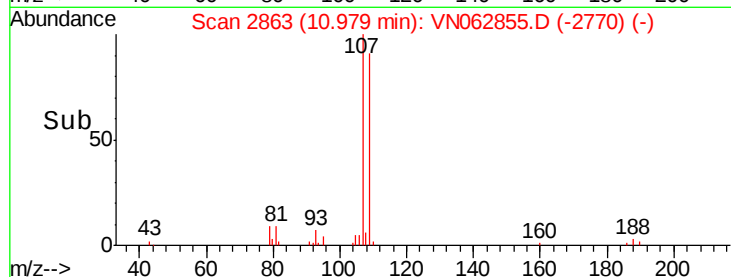
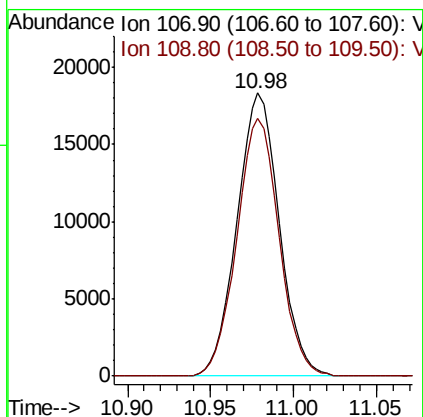
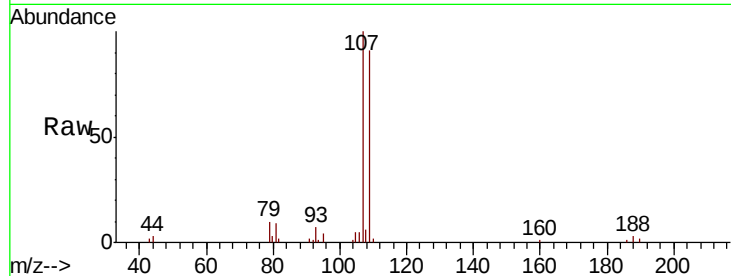




#61
 1,2-Dibromoethane
 Concen: 18.965 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. -0.00 min
 Lab File: VN062855.D
 Acq: 12 Aug 2020 14:06

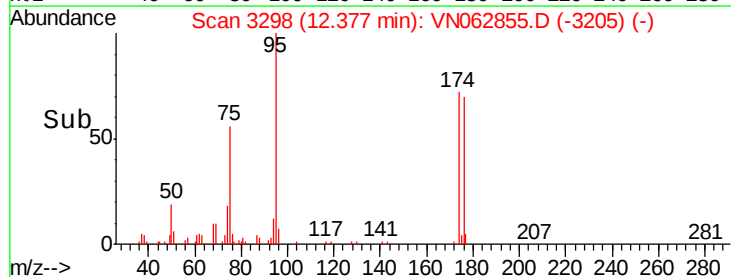
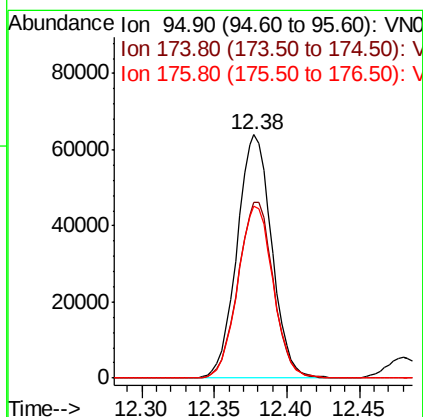
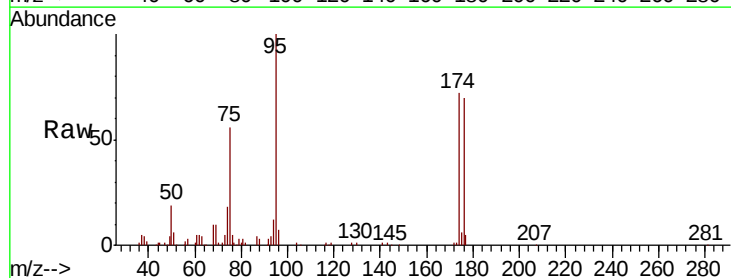
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBSD01

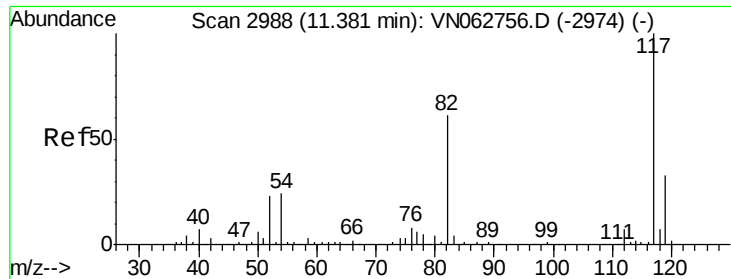
Tot Ion:107 Resp: 32411
 Ion Ratio Lower Upper
 107 100
 109 90.9 76.1 114.1



#62
 4-Bromofluorobenzene
 Concen: 46.533 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VN062855.D
 Acq: 12 Aug 2020 14:06

Tgt Ion: 95 Resp: 106154
 Ion Ratio Lower Upper
 95 100
 174 73.7 0.0 144.8
 176 72.2 0.0 142.2

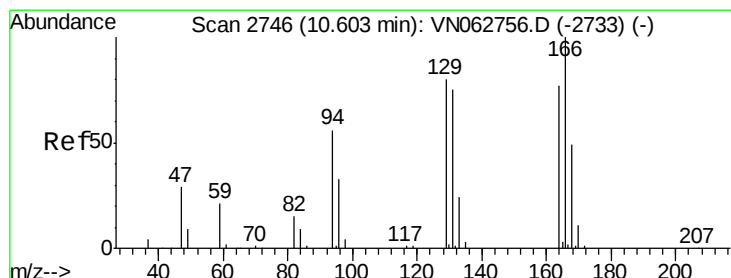
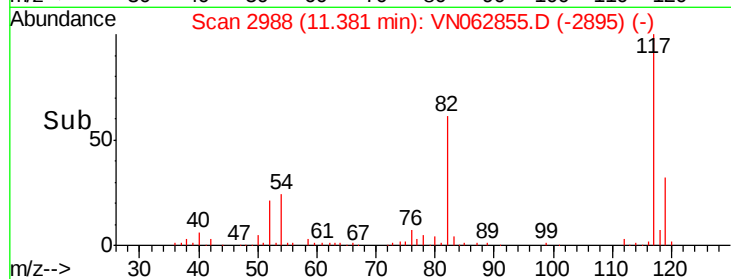
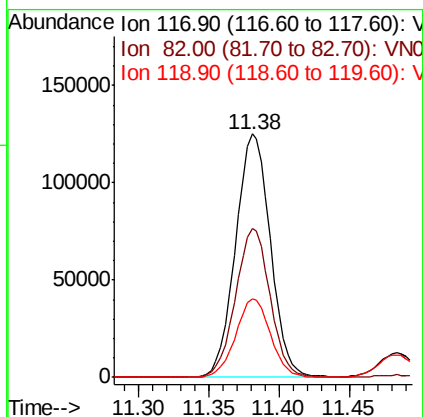
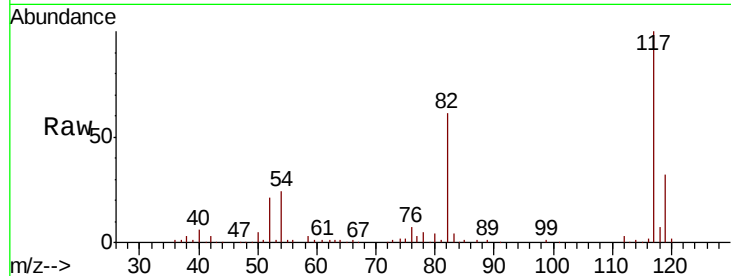




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062855.D
Acq: 12 Aug 2020 14:06

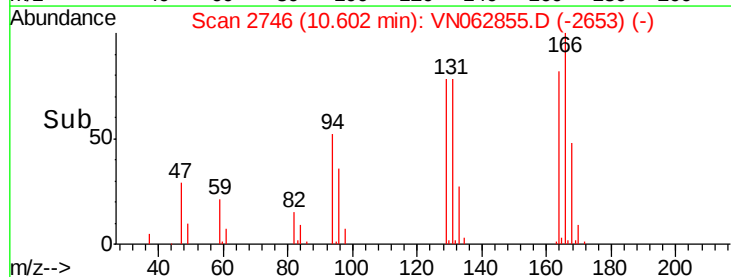
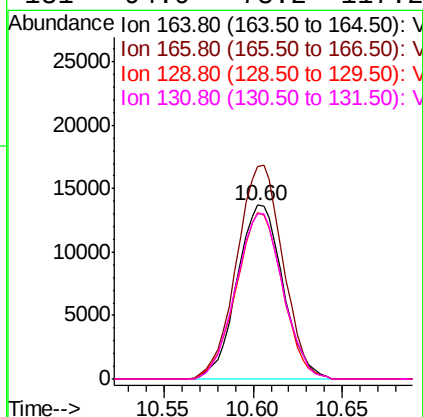
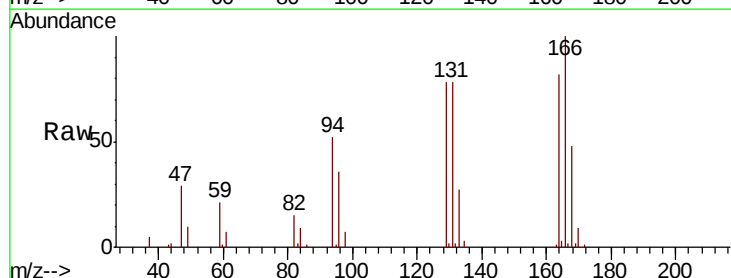
Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD01

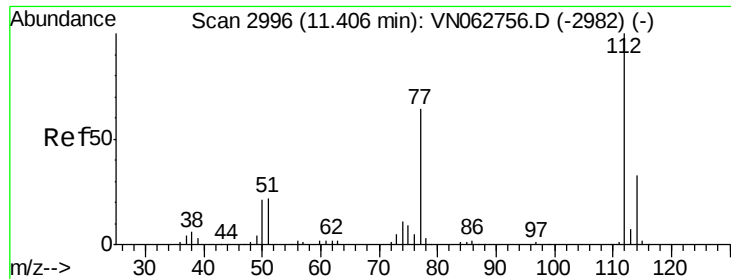
Tot Ion:117 Resp: 217199
Ion Ratio Lower Upper
117 100
82 61.4 49.0 73.4
119 32.4 26.2 39.2



#64
Tetrachloroethene
Concen: 17.619 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN062855.D
Acq: 12 Aug 2020 14:06

Tgt Ion:164 Resp: 24691
Ion Ratio Lower Upper
164 100
166 122.2 103.8 155.8
129 95.6 82.7 124.1
131 94.9 78.2 117.2

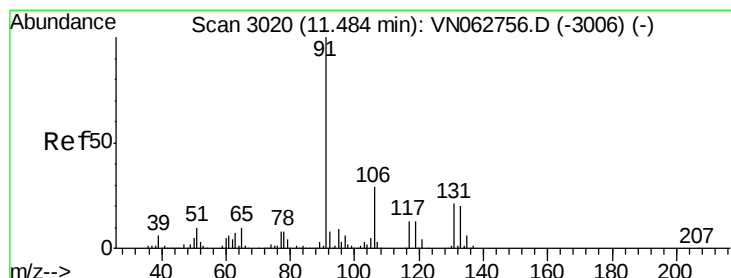
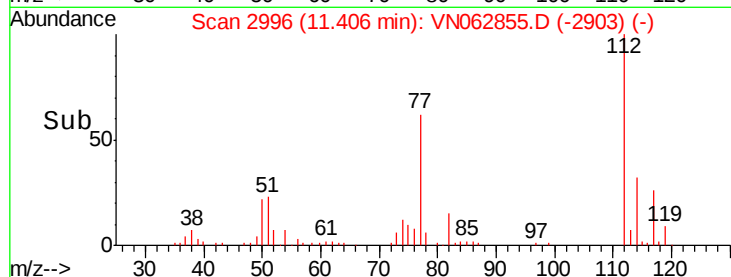
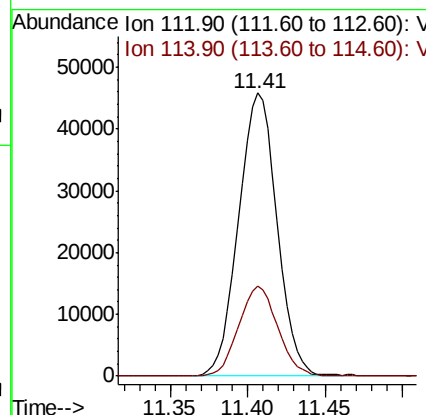
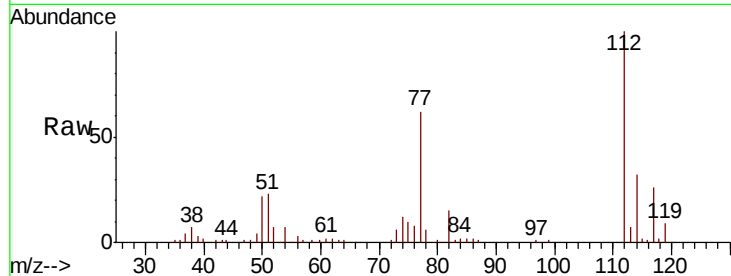




#65
Chlorobenzene
Concen: 17.433 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN062855.D
Acq: 12 Aug 2020 14:06

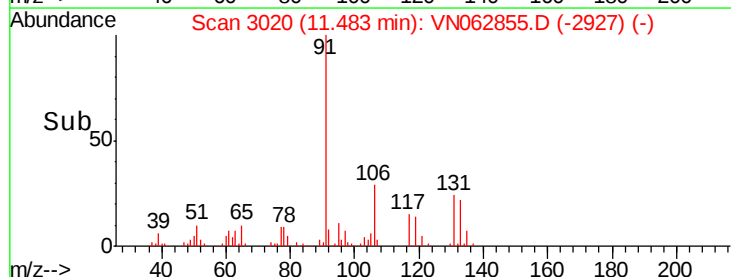
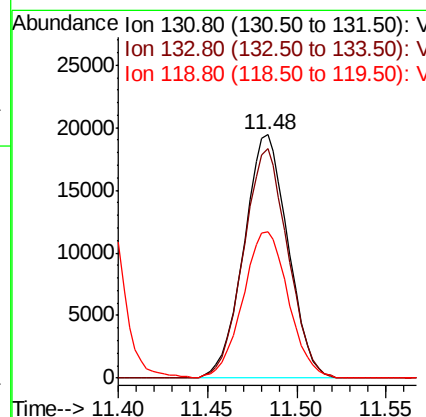
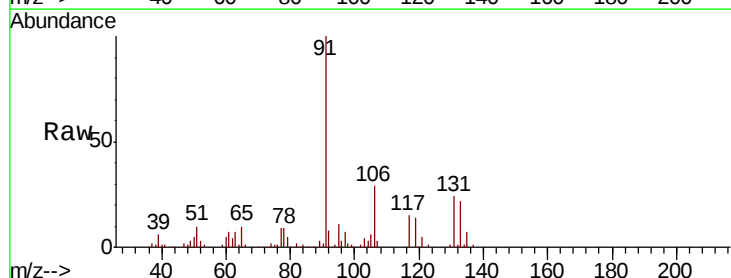
Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD01

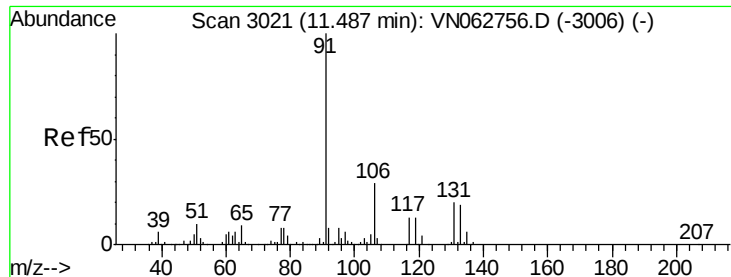
Tot Ion:112 Resp: 79149
Ion Ratio Lower Upper
112 100
114 31.7 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 18.409 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN062855.D
Acq: 12 Aug 2020 14:06

Tgt Ion:131 Resp: 33565
Ion Ratio Lower Upper
131 100
133 94.9 48.6 145.8
119 62.1 32.2 96.6





#67

Ethyl Benzene

Concen: 17.144 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. -0.00 min

Lab File: VN062855.D

Acq: 12 Aug 2020 14:06

Instrument :

MSVOA_N

ClientSampled :

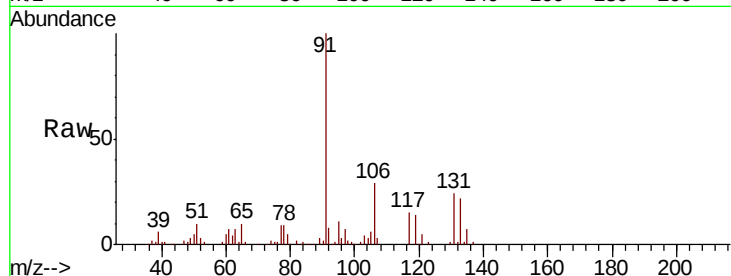
VN0812WBSD01

Tot Ion: 91 Resp: 139292

Ion Ratio Lower Upper

91 100

106 29.3 23.2 34.8



Abundance Ion 91.00 (90.70 to 91.70): VN062756.D (-3006) (-)

Ion 106.00 (105.70 to 106.70): VN062756.D (-3006) (-)

11.48

80000

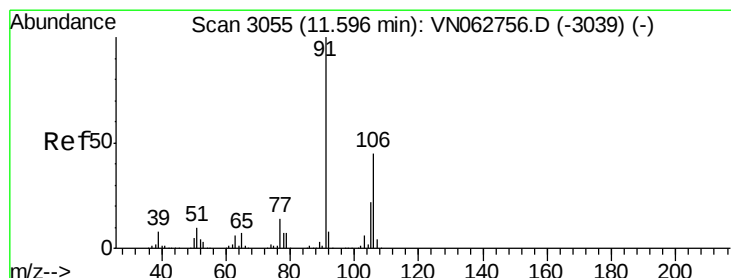
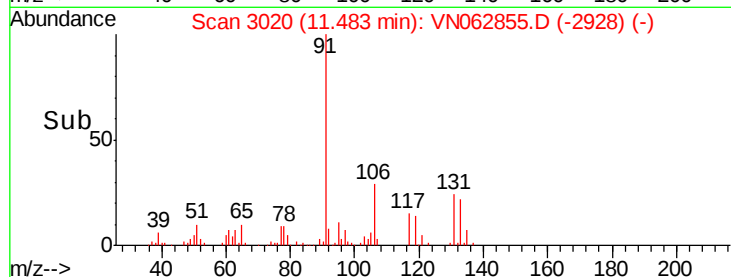
60000

40000

20000

0

Time--> 11.40 11.45 11.50 11.55



#68

m/p-Xylenes

Concen: 35.716 ug/l

RT: 11.60 min Scan# 3055

Delta R.T. -0.00 min

Lab File: VN062855.D

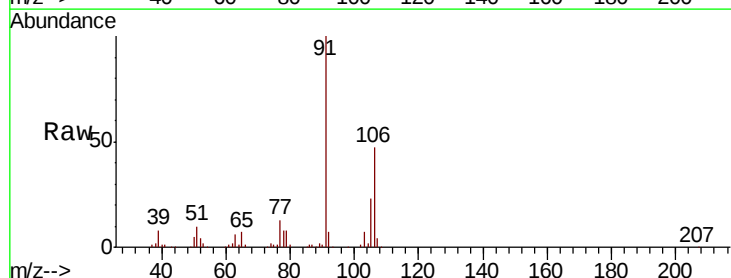
Acq: 12 Aug 2020 14:06

Tgt Ion: 106 Resp: 105337

Ion Ratio Lower Upper

106 100

91 212.8 175.9 263.9



Abundance Ion 106.00 (105.70 to 106.70): VN062756.D (-3039) (-)

Ion 91.00 (90.70 to 91.70): VN062756.D (-3039) (-)

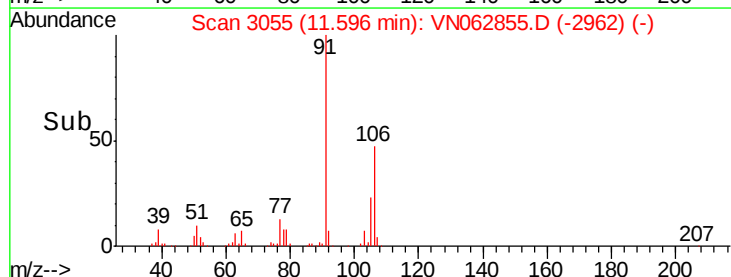
11.60

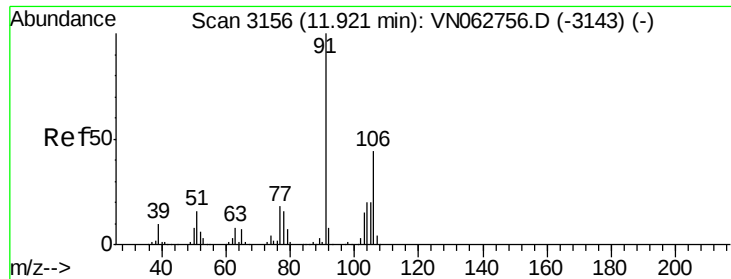
100000

50000

0

Time--> 11.50 11.55 11.60 11.65

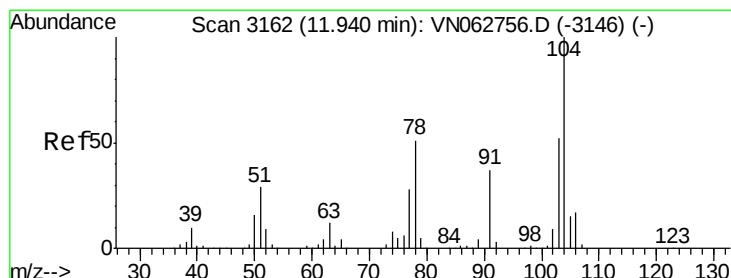
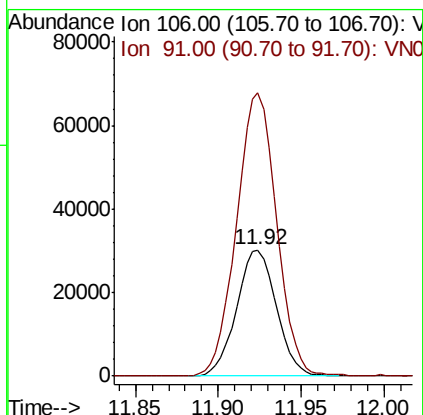
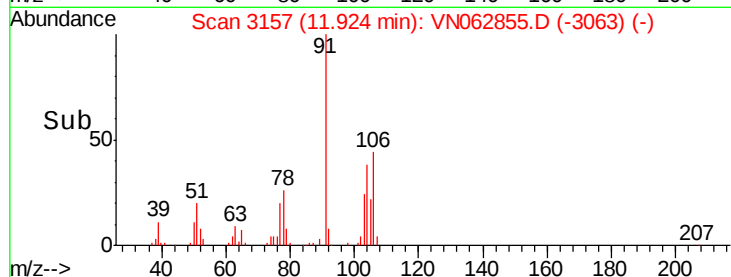
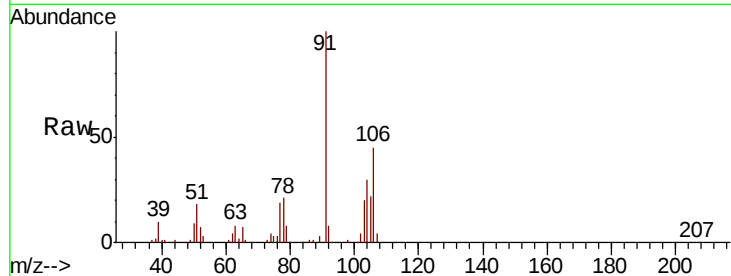




#69
o-Xylene
Concen: 18.217 ug/l
RT: 11.92 min Scan# 3157
Delta R.T. 0.00 min
Lab File: VN062855.D
Acq: 12 Aug 2020 14:06

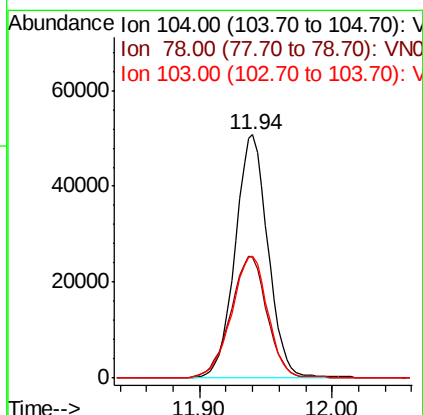
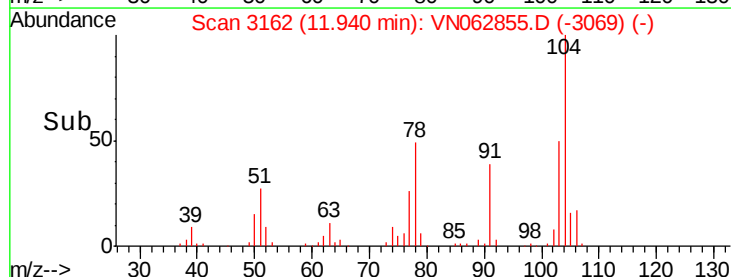
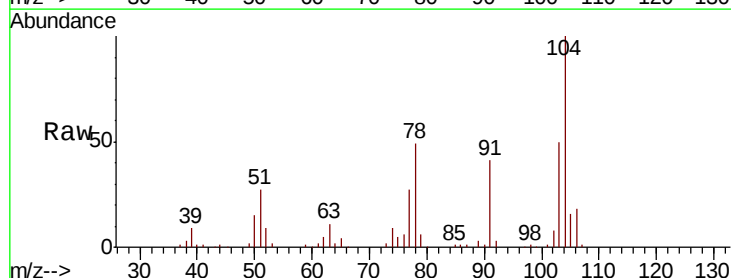
Instrument :
MSVOA_N
ClientSampled :
VN0812WBSD01

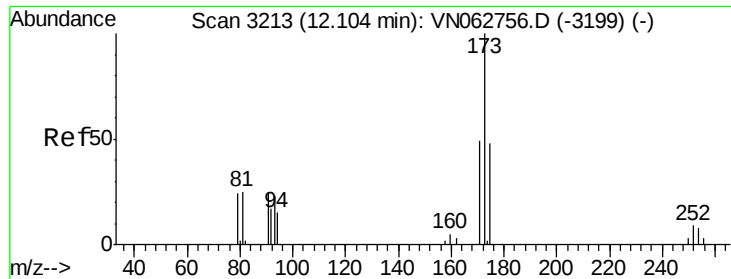
Tot Ion:106 Resp: 50350
Ion Ratio Lower Upper
106 100
91 226.4 115.8 347.4



#70
Styrene
Concen: 17.945 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN062855.D
Acq: 12 Aug 2020 14:06

Tgt Ion:104 Resp: 87181
Ion Ratio Lower Upper
104 100
78 55.2 45.9 68.9
103 55.7 45.1 67.7





#71

Bromoform

Concen: 17.992 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN062855.D

Acq: 12 Aug 2020 14:06

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBSD01

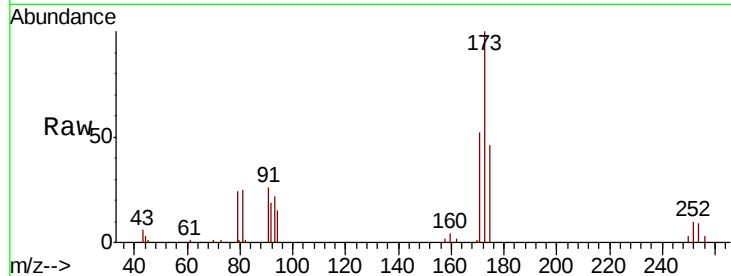
Tot Ion:173 Resp: 26840

Ion Ratio Lower Upper

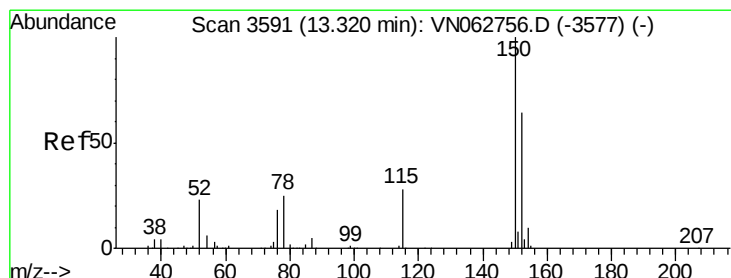
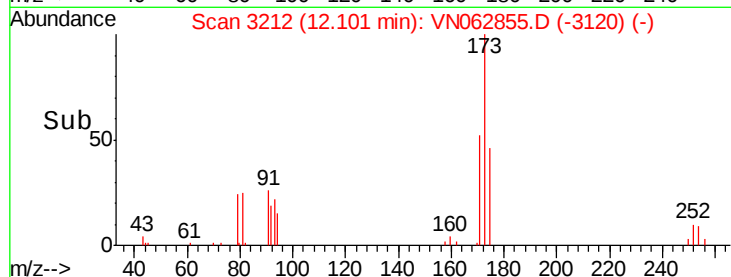
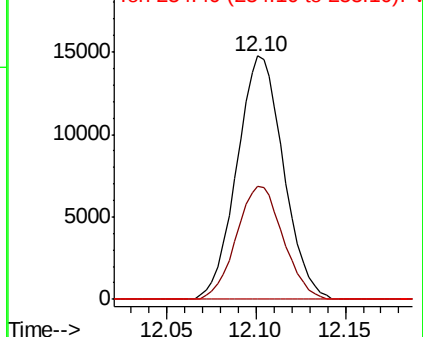
173 100

175 46.6 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: VN062855.D

Acq: 12 Aug 2020 14:06

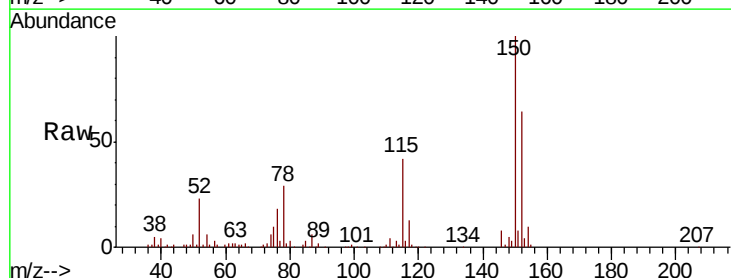
Tgt Ion:152 Resp: 105542

Ion Ratio Lower Upper

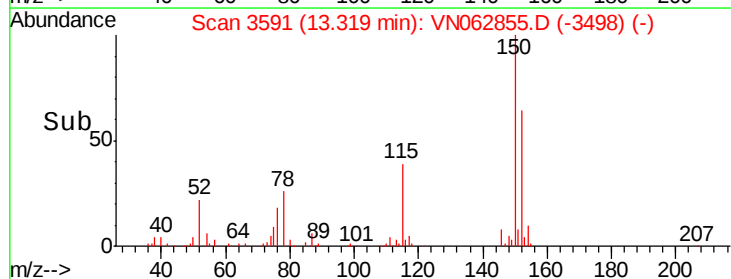
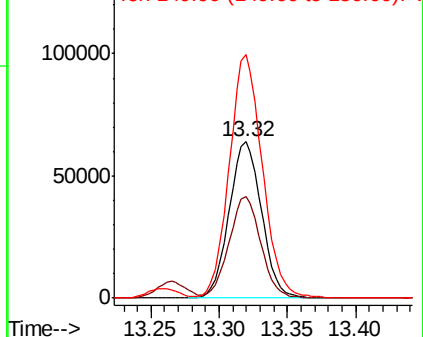
152 100

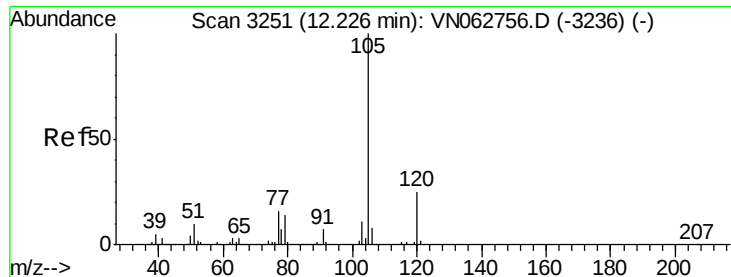
115 63.9 31.6 94.8

150 158.5 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

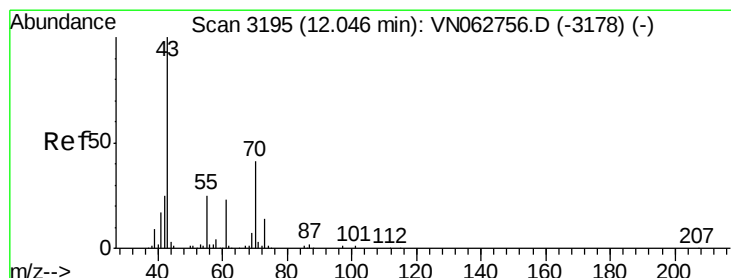
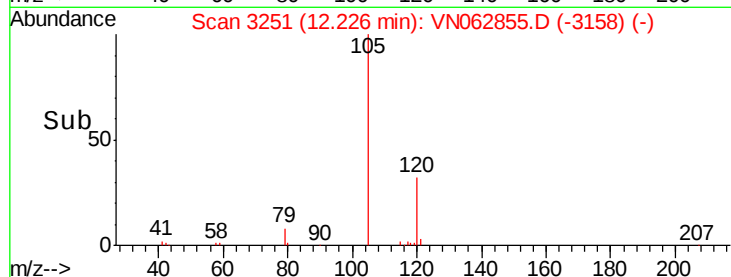
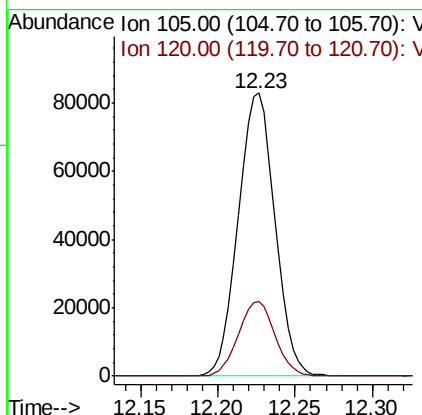
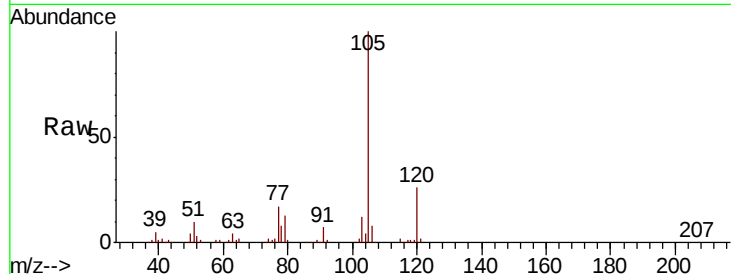




#73
Isopropylbenzene
Concen: 17.244 ug/l
RT: 12.23 min Scan# 3251
Delta R.T. -0.00 min
Lab File: VN062855.D
Acq: 12 Aug 2020 14:06

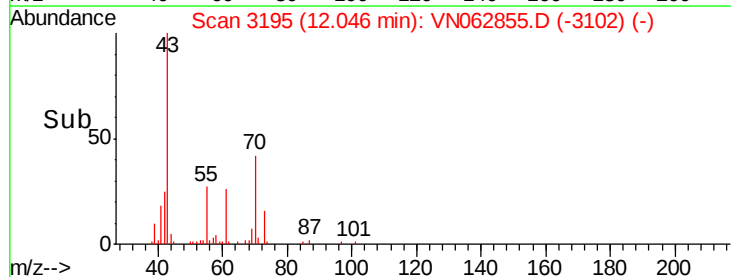
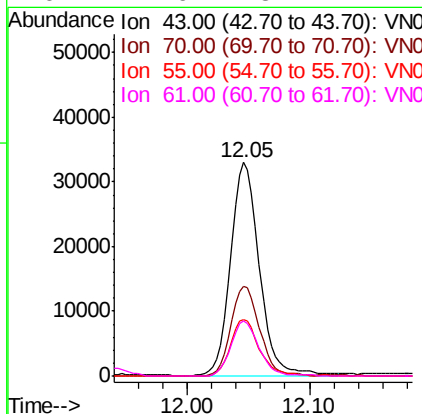
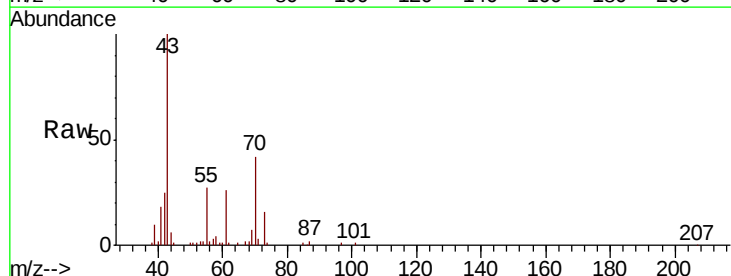
Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD01

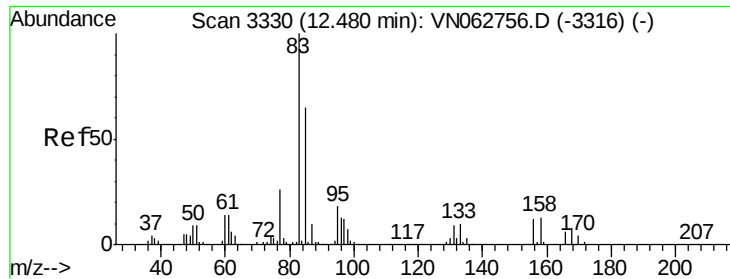
Tot Ion:105 Resp: 137040
Ion Ratio Lower Upper
105 100
120 26.2 12.6 37.8



#74
N-ethyl acetate
Concen: 17.060 ug/l
RT: 12.05 min Scan# 3195
Delta R.T. -0.00 min
Lab File: VN062855.D
Acq: 12 Aug 2020 14:06

Tgt Ion: 43 Resp: 54945
Ion Ratio Lower Upper
43 100
70 41.3 32.3 48.5
55 26.1 20.2 30.2
61 24.6 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 17.583 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. -0.00 min

Lab File: VN062855.D

Acq: 12 Aug 2020 14:06

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBSD01

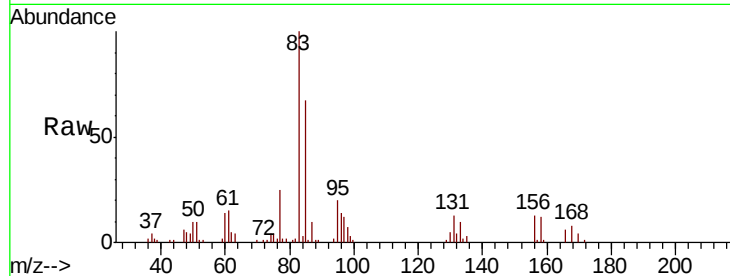
Tot Ion: 83 Resp: 49190

Ion Ratio Lower Upper

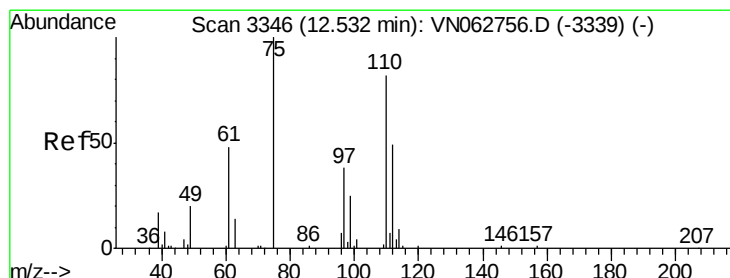
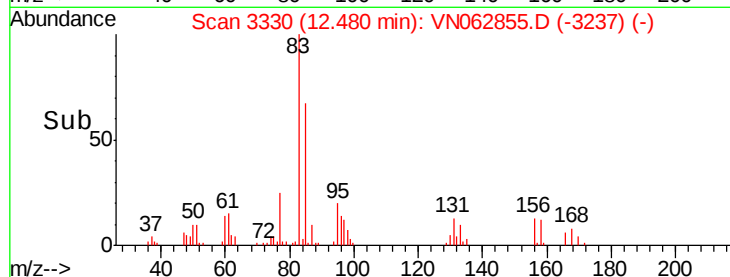
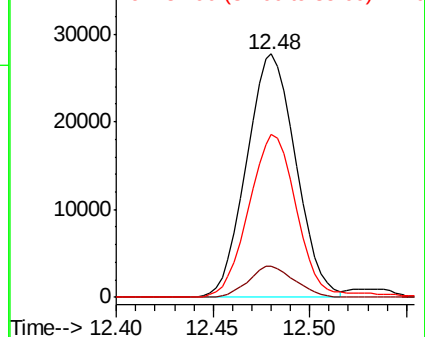
83 100

131 11.7 5.1 15.4

85 64.3 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 23.171 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN062855.D

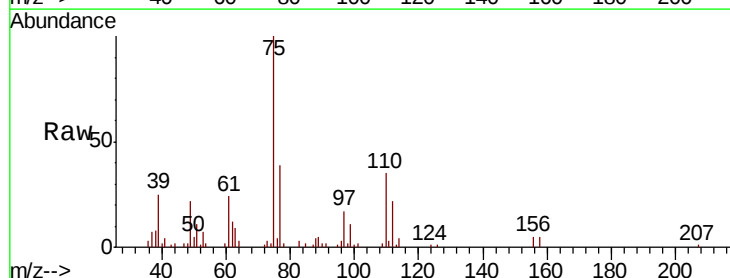
Acq: 12 Aug 2020 14:06

Tgt Ion: 75 Resp: 65953

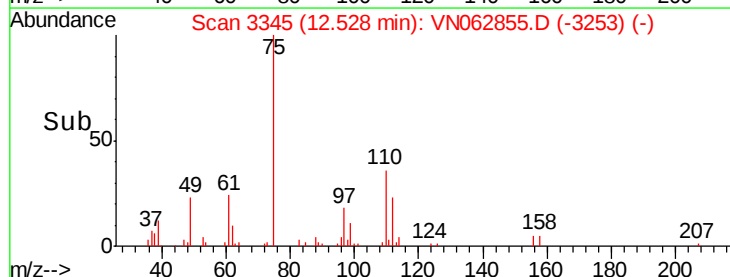
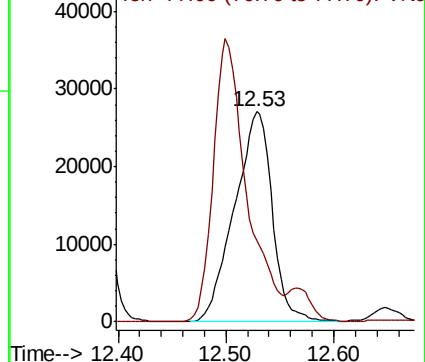
Ion Ratio Lower Upper

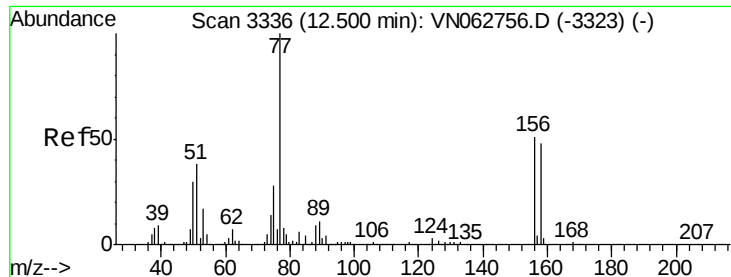
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 17.658 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN062855.D

Acq: 12 Aug 2020 14:06

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBSD01

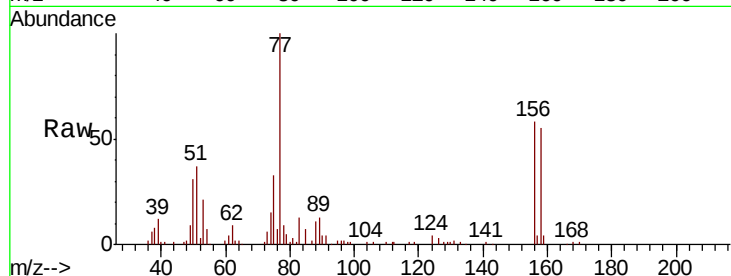
Tot Ion:156 Resp: 34868

Ion Ratio Lower Upper

156 100

77 225.3 119.7 359.1

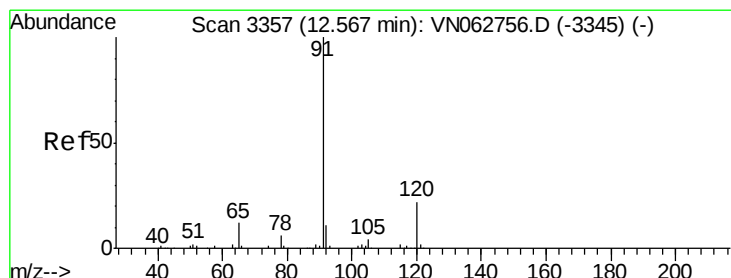
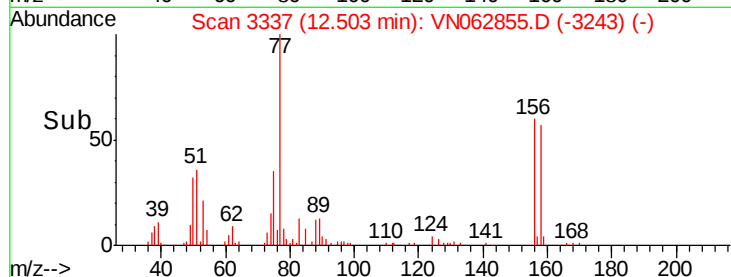
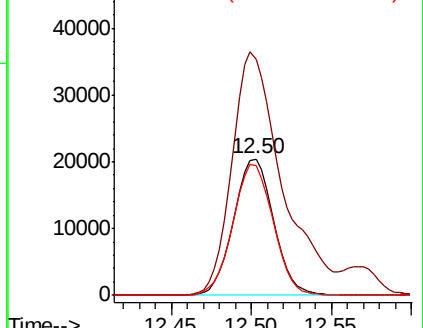
158 96.4 48.1 144.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 16.983 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. -0.00 min

Lab File: VN062855.D

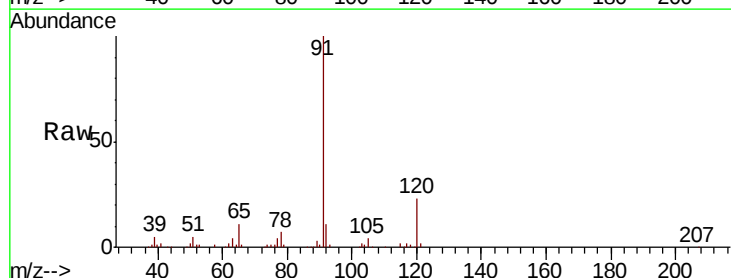
Acq: 12 Aug 2020 14:06

Tgt Ion: 91 Resp: 158437

Ion Ratio Lower Upper

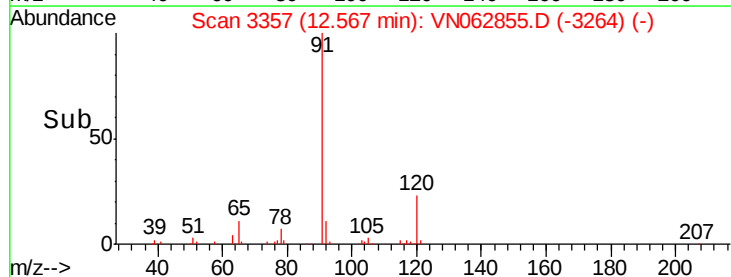
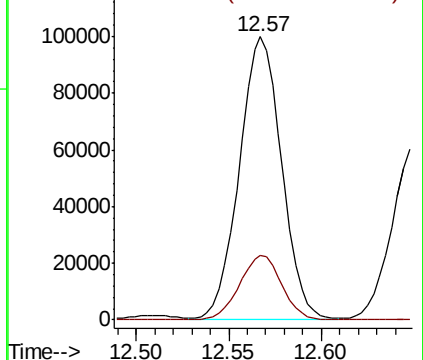
91 100

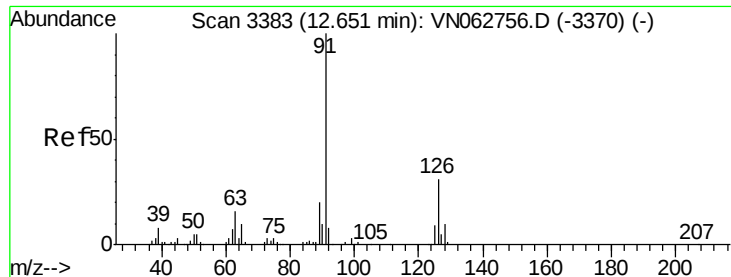
120 22.8 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

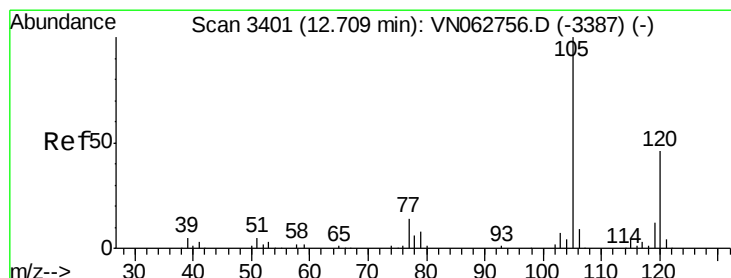
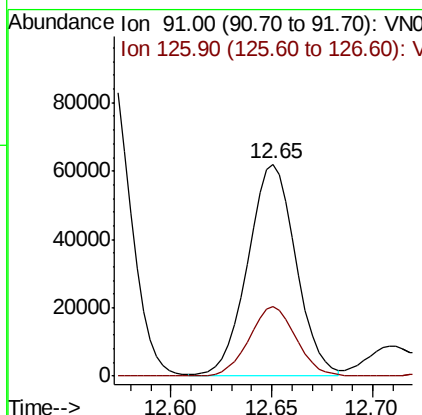
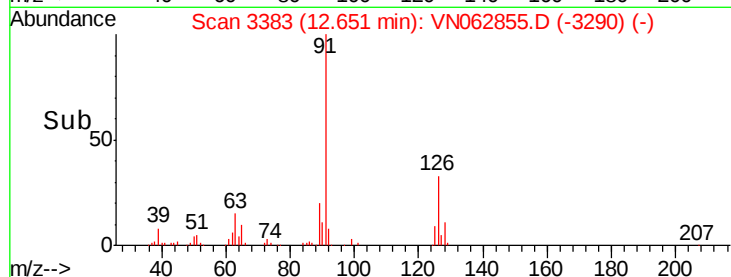
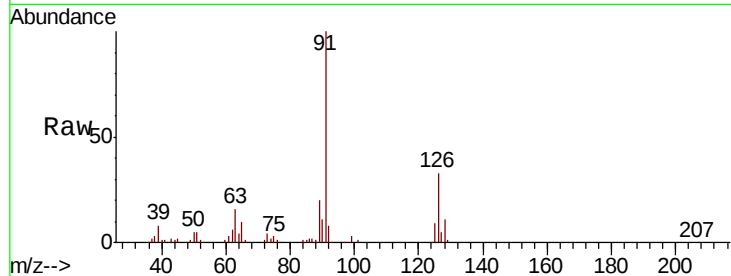




#79
 2-Chlorotoluene
 Concen: 17.573 ug/l
 RT: 12.65 min Scan# 3383
 Delta R.T. -0.00 min
 Lab File: VN062855.D
 Acq: 12 Aug 2020 14:06

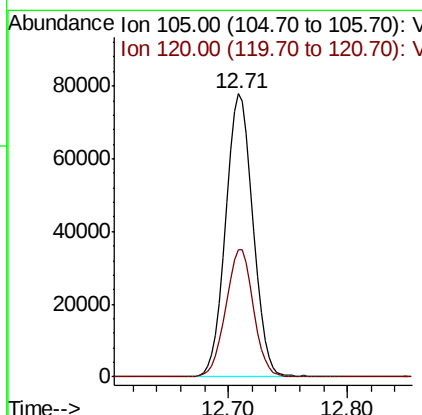
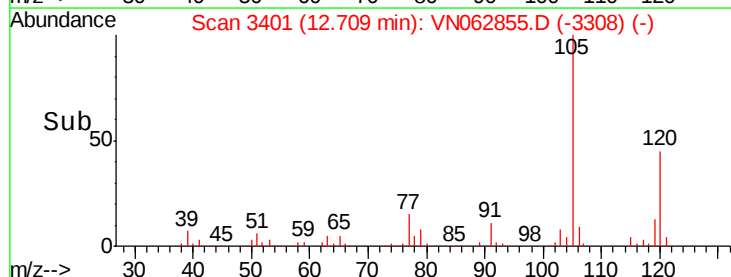
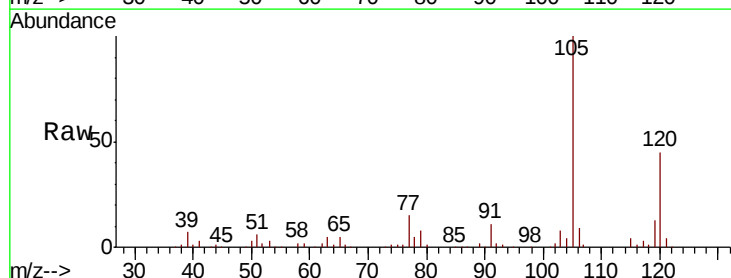
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBSD01

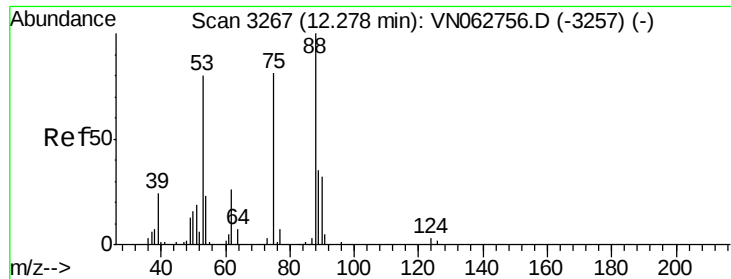
Tot Ion: 91 Resp: 102805
 Ion Ratio Lower Upper
 91 100
 126 32.1 15.6 46.7



#80
 1,3,5-Trimethylbenzene
 Concen: 17.986 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. -0.00 min
 Lab File: VN062855.D
 Acq: 12 Aug 2020 14:06

Tgt Ion:105 Resp: 124005
 Ion Ratio Lower Upper
 105 100
 120 45.6 22.9 68.5





#81

trans-1,4-Dichloro-2-butene

Concen: 16.572 ug/l

RT: 12.28 min Scan# 3267

Delta R.T. -0.00 min

Lab File: VN062855.D

Acq: 12 Aug 2020 14:06

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBSD01

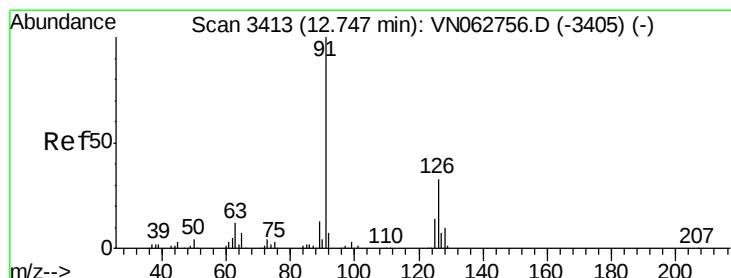
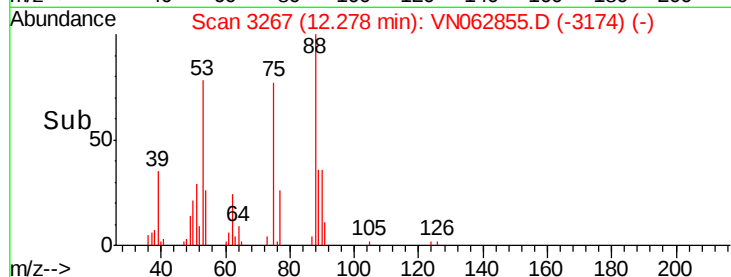
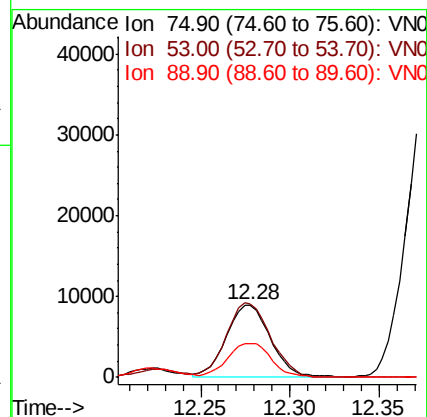
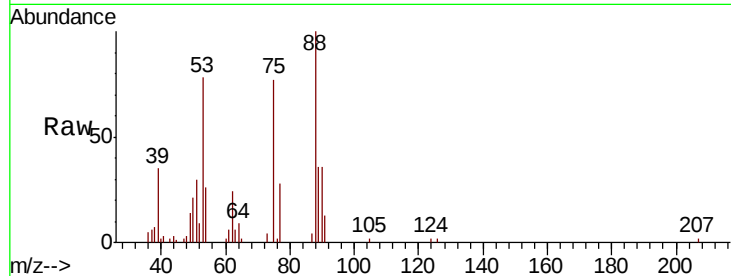
Tot Ion: 75 Resp: 15452

Ion Ratio Lower Upper

75 100

53 102.5 79.1 118.7

89 46.3 36.2 54.2



#82

4-Chlorotoluene

Concen: 17.366 ug/l

RT: 12.75 min Scan# 3414

Delta R.T. 0.00 min

Lab File: VN062855.D

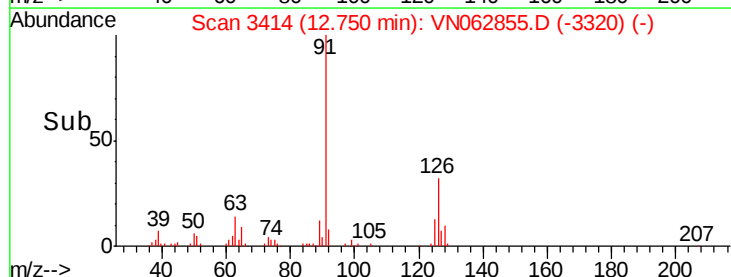
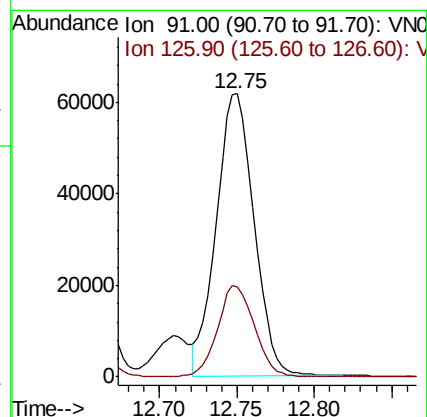
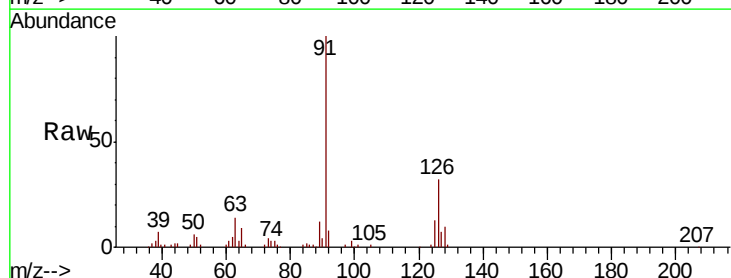
Acq: 12 Aug 2020 14:06

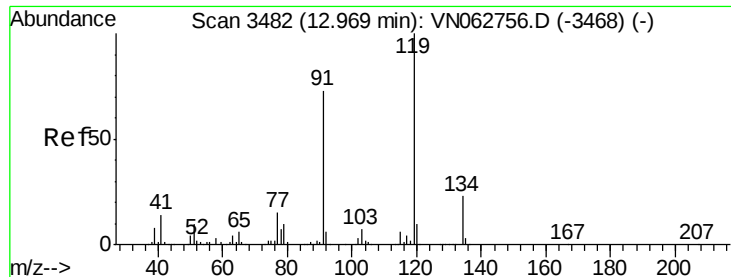
Tgt Ion: 91 Resp: 104693

Ion Ratio Lower Upper

91 100

126 31.6 15.3 45.9

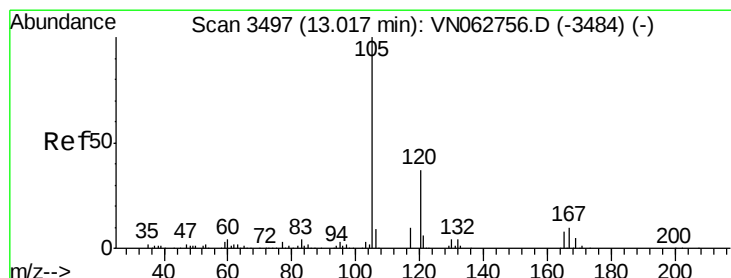
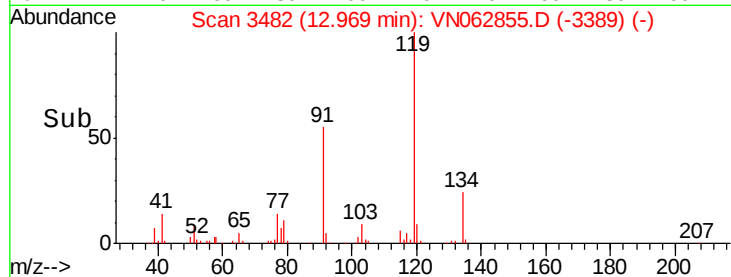
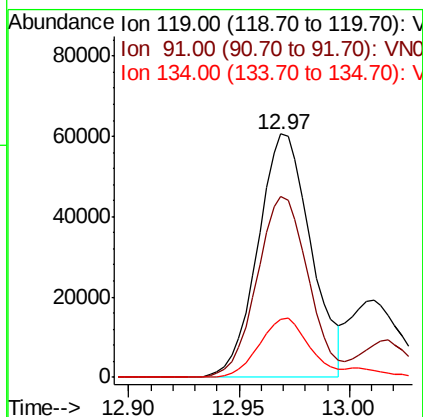
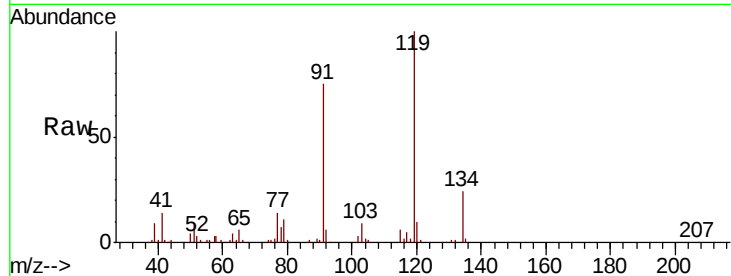




#83
 tert-Butylbenzene
 Concen: 17.351 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN062855.D
 Acq: 12 Aug 2020 14:06

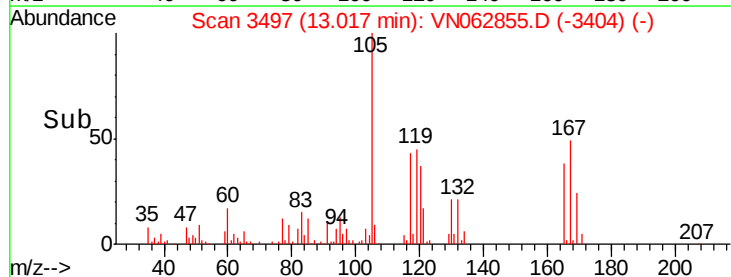
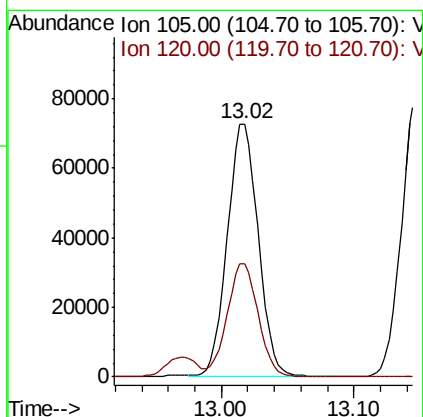
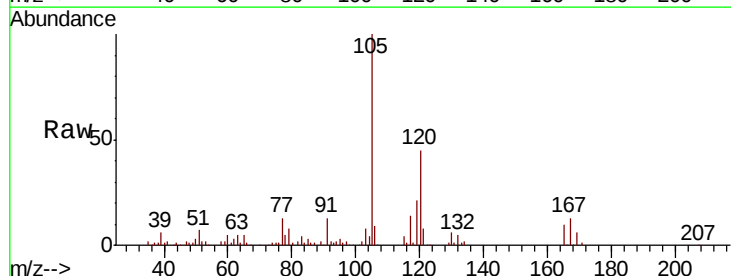
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBSD01

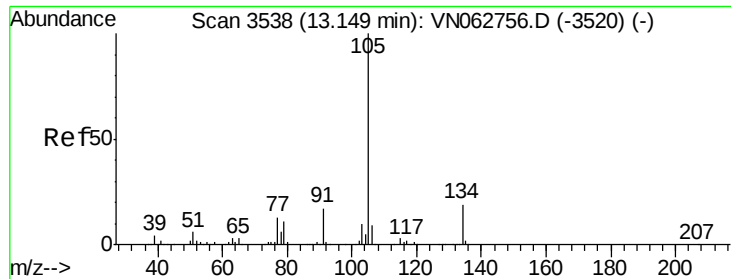
Tot Ion:119 Resp: 101225
 Ion Ratio Lower Upper
 119 100
 91 72.1 36.5 109.5
 134 23.2 11.3 33.8



#84
 1,2,4-Trimethylbenzene
 Concen: 17.972 ug/l
 RT: 13.02 min Scan# 3497
 Delta R.T. -0.00 min
 Lab File: VN062855.D
 Acq: 12 Aug 2020 14:06

Tgt Ion:105 Resp: 118542
 Ion Ratio Lower Upper
 105 100
 120 44.5 21.4 64.2





#85

sec-Butylbenzene

Concen: 17.517 ug/l

RT: 13.15 min Scan# 3538

Delta R.T. -0.00 min

Lab File: VN062855.D

Acq: 12 Aug 2020 14:06

Instrument :

MSVOA_N

ClientSampleId :

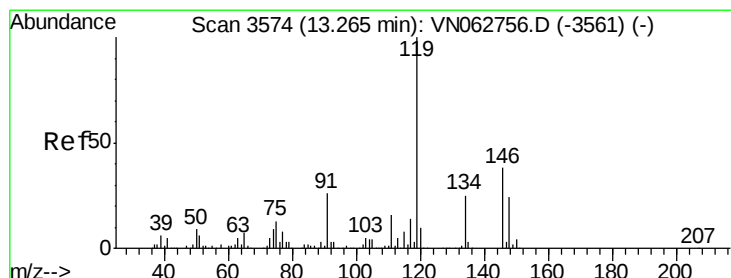
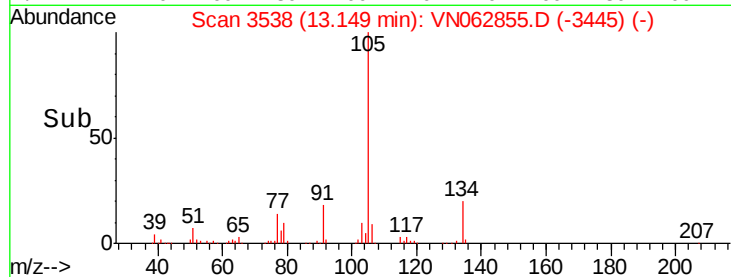
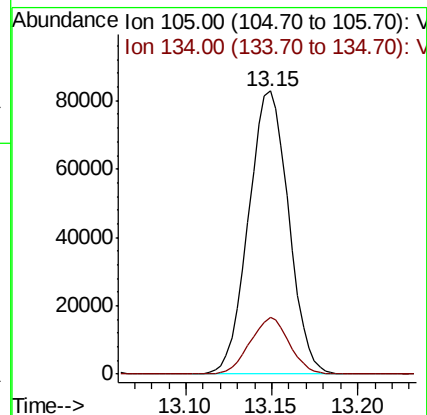
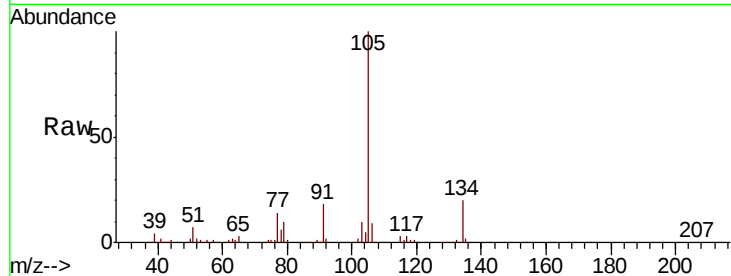
VN0812WBSD01

Tot Ion:105 Resp: 134199

Ion Ratio Lower Upper

105 100

134 19.4 9.6 28.6



#86

p-Isopropyltoluene

Concen: 17.600 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN062855.D

Acq: 12 Aug 2020 14:06

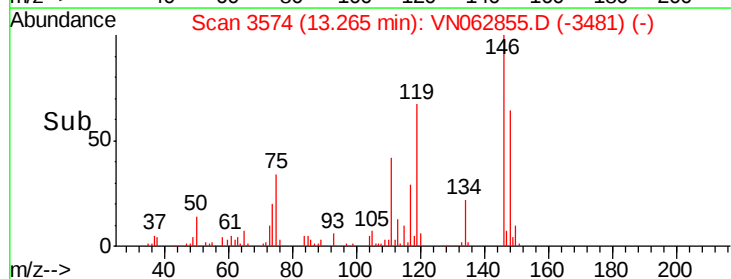
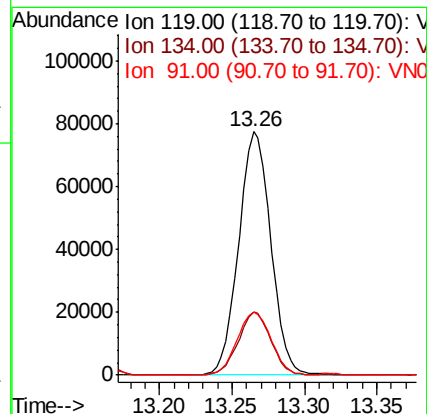
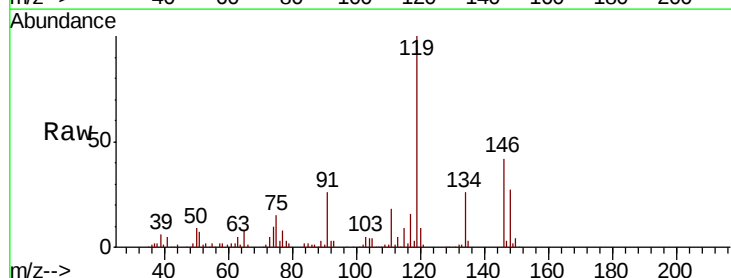
Tgt Ion:119 Resp: 119686

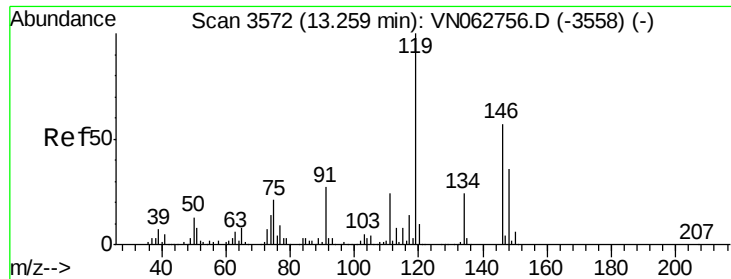
Ion Ratio Lower Upper

119 100

134 26.1 12.6 37.8

91 27.2 13.4 40.2

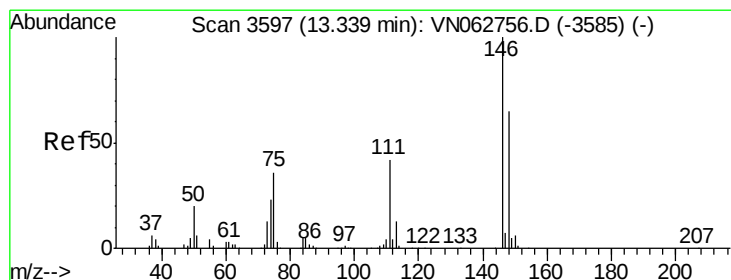
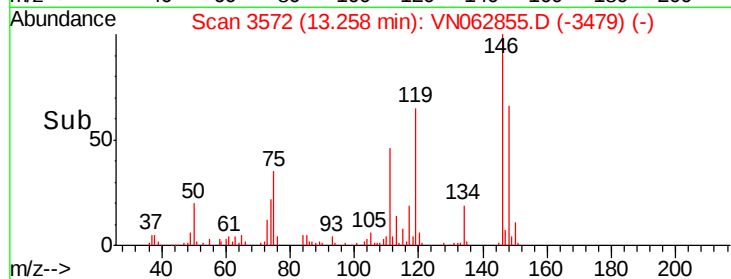
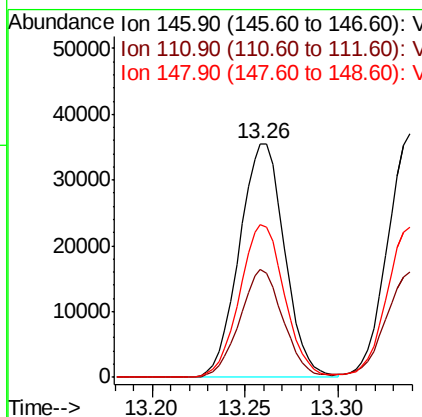
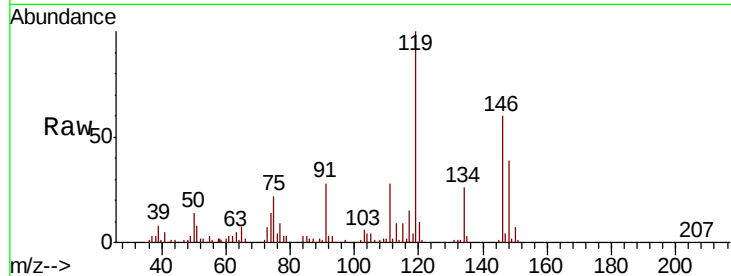




#87
 1,3-Dichlorobenzene
 Concen: 17.028 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN062855.D
 Acq: 12 Aug 2020 14:06

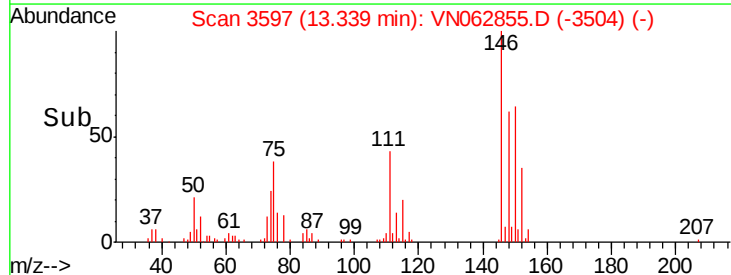
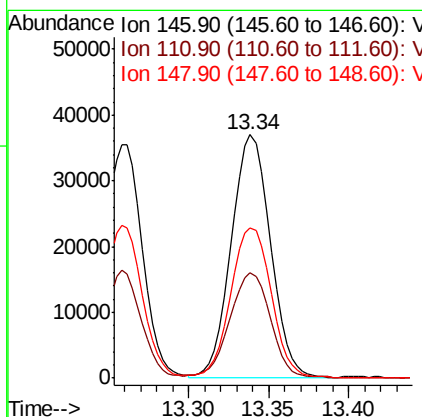
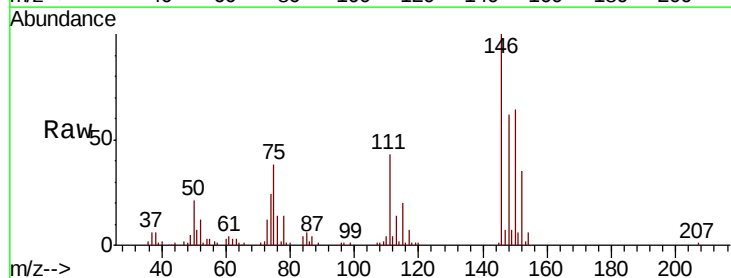
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBSD01

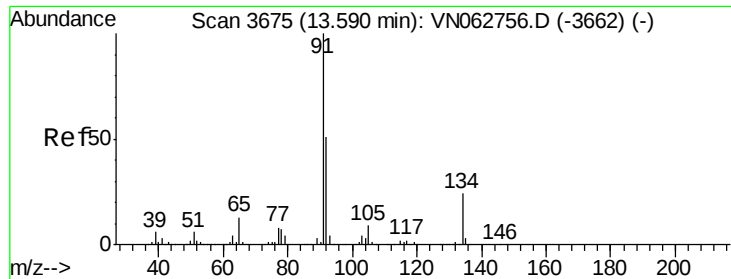
Tot Ion:146 Resp: 60070
 Ion Ratio Lower Upper
 146 100
 111 44.0 21.7 65.1
 148 64.7 31.4 94.2



#88
 1,4-Dichlorobenzene
 Concen: 17.396 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN062855.D
 Acq: 12 Aug 2020 14:06

Tgt Ion:146 Resp: 61550
 Ion Ratio Lower Upper
 146 100
 111 45.4 21.6 64.6
 148 64.3 32.6 97.8





#89

n-Butylbenzene

Concen: 16.149 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. -0.00 min

Lab File: VN062855.D

Acq: 12 Aug 2020 14:06

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBSD01

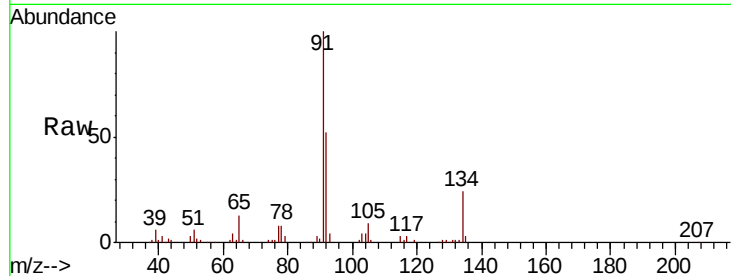
Tot Ion: 91 Resp: 92878

Ion Ratio Lower Upper

91 100

92 50.3 25.7 77.0

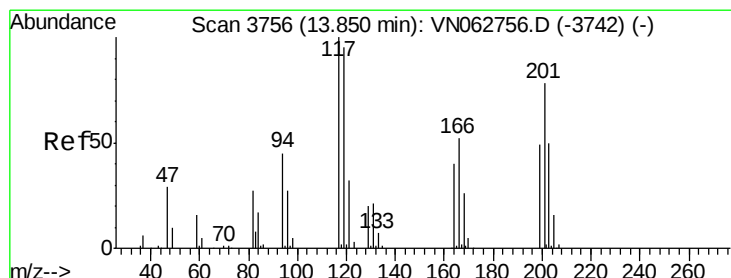
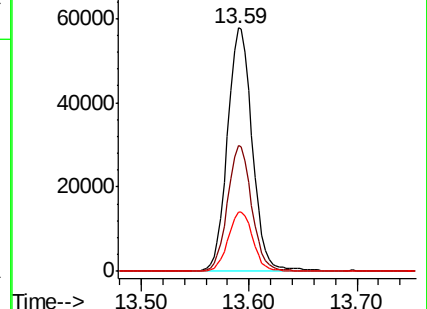
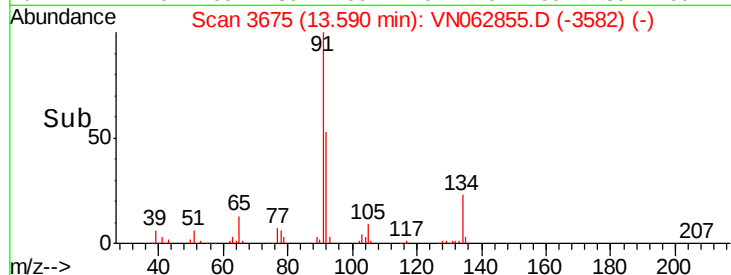
134 24.1 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VN062855.D (-3663) (-)

Ion 92.00 (91.70 to 92.70): VN062855.D (-3663) (-)

Ion 134.00 (133.70 to 134.70): VN062855.D (-3663) (-)



#90

Hexachloroethane

Concen: 16.788 ug/l

RT: 13.85 min Scan# 3756

Delta R.T. -0.00 min

Lab File: VN062855.D

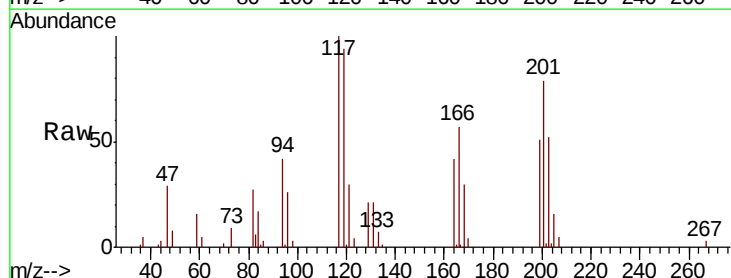
Acq: 12 Aug 2020 14:06

Tgt Ion: 117 Resp: 24608

Ion Ratio Lower Upper

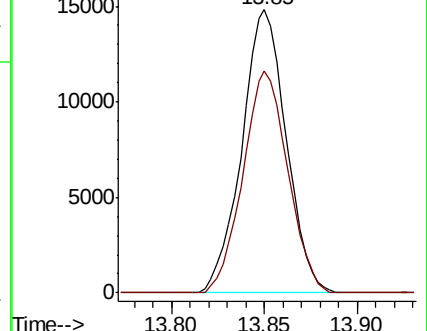
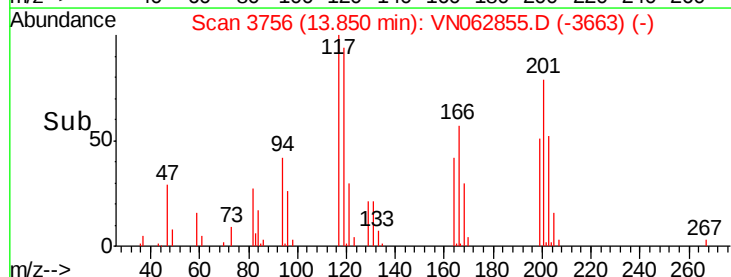
117 100

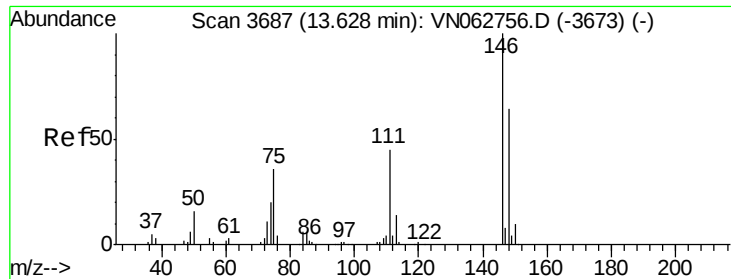
201 79.0 39.2 117.6



Abundance Ion 116.80 (116.50 to 117.50): VN062855.D (-3663) (-)

Ion 200.70 (200.40 to 201.40): VN062855.D (-3663) (-)





#91

1,2-Dichlorobenzene

Concen: 18.299 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. -0.00 min

Lab File: VN062855.D

Acq: 12 Aug 2020 14:06

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBSD01

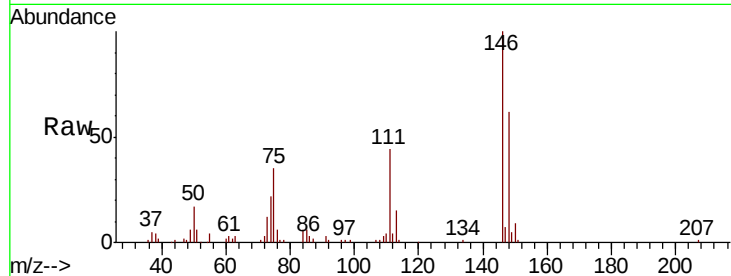
Tot Ion:146 Resp: 60520

Ion Ratio Lower Upper

146 100

111 44.4 22.8 68.4

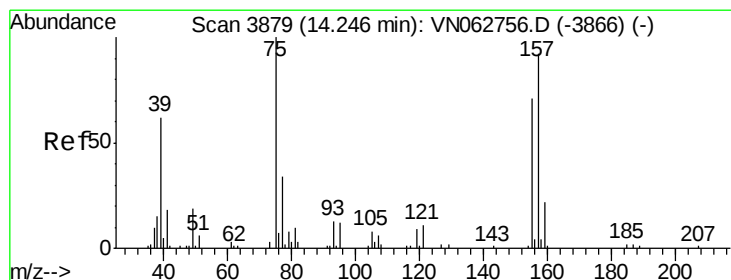
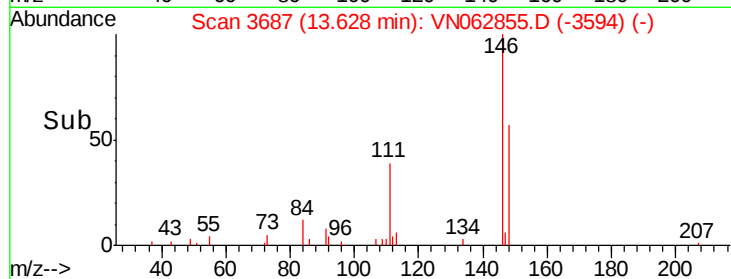
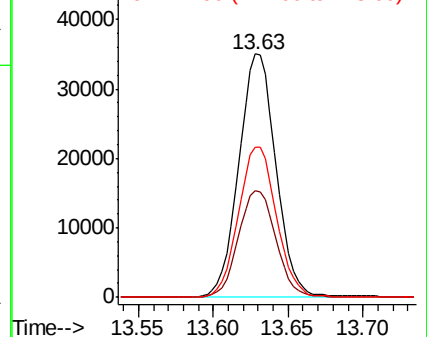
148 63.1 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.066 ug/l

RT: 14.25 min Scan# 3879

Delta R.T. -0.00 min

Lab File: VN062855.D

Acq: 12 Aug 2020 14:06

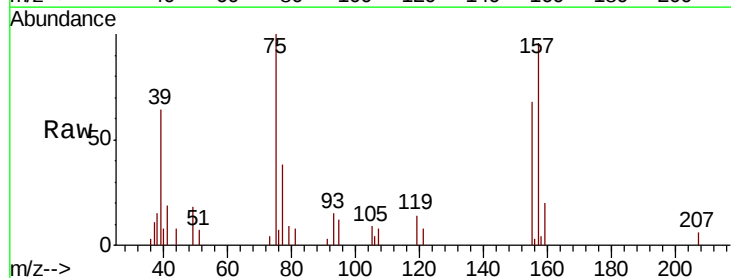
Tgt Ion: 75 Resp: 10250

Ion Ratio Lower Upper

75 100

155 73.3 35.0 105.1

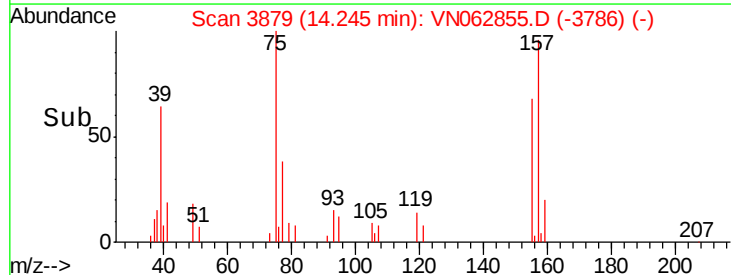
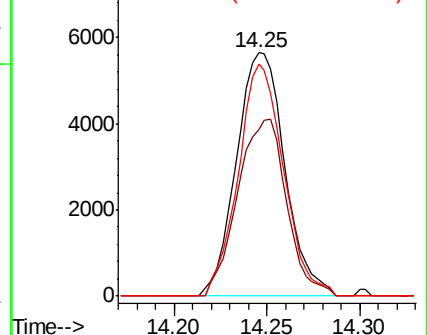
157 89.3 43.2 129.6

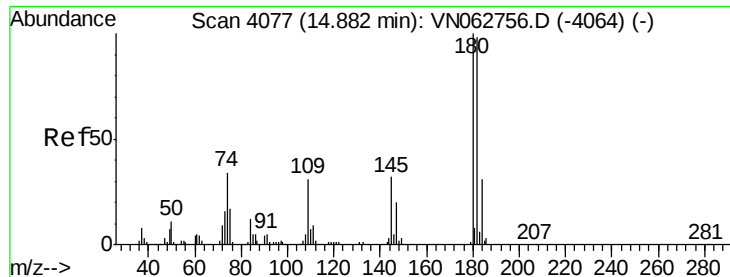


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

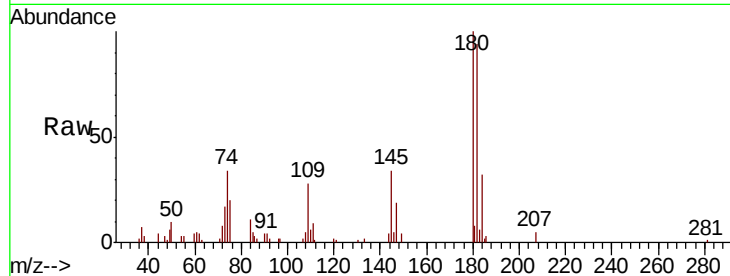




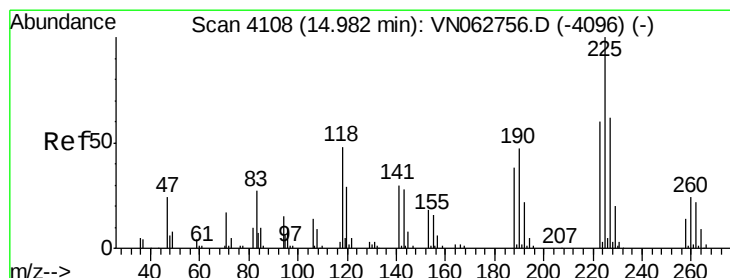
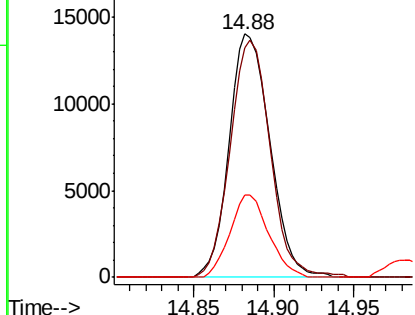
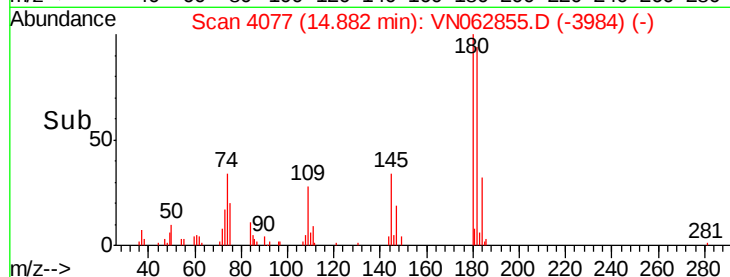
#93
 1,2,4-Trichlorobenzene
 Concen: 16.116 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN062855.D
 Acq: 12 Aug 2020 14:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBSD01

Tot Ion:180 Resp: 24342
 Ion Ratio Lower Upper
 180 100
 182 95.8 49.1 147.4
 145 31.9 16.3 48.8

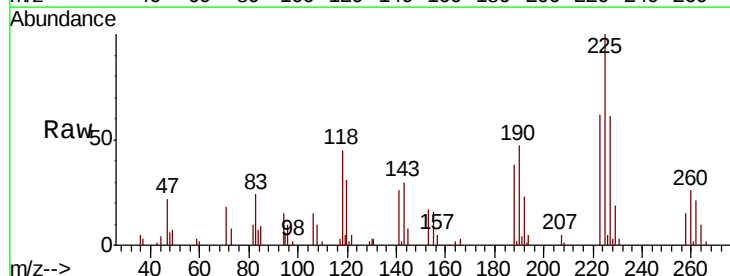


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

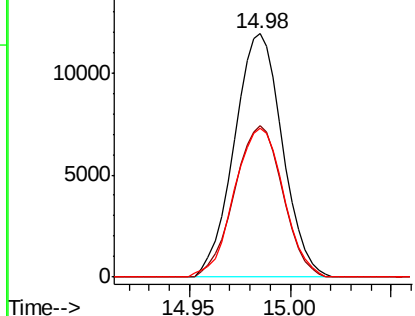
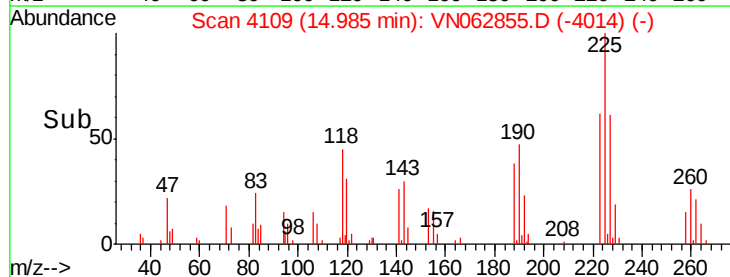


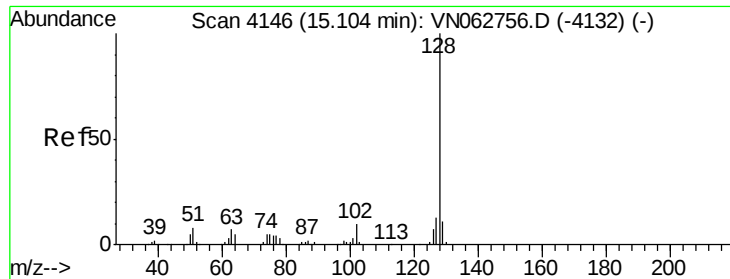
#94
 Hexachlorobutadiene
 Concen: 18.097 ug/l
 RT: 14.98 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN062855.D
 Acq: 12 Aug 2020 14:06

Tgt Ion:225 Resp: 19866
 Ion Ratio Lower Upper
 225 100
 223 62.3 30.6 92.0
 227 62.7 31.6 95.0



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 15.920 ug/l

RT: 15.11 min Scan# 4147

Delta R.T. 0.00 min

Lab File: VN062855.D

Acq: 12 Aug 2020 14:06

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBSD01

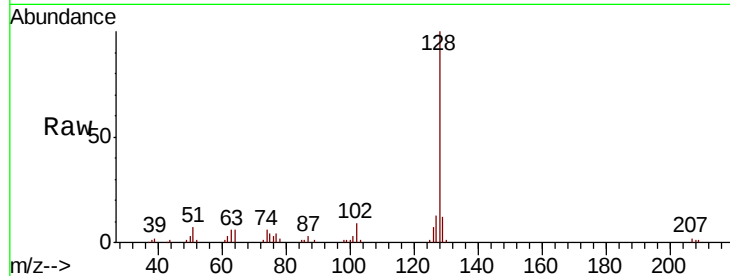
Tot Ion:128 Resp: 63996

Ion Ratio Lower Upper

128 100

127 12.8 10.8 16.2

129 11.3 8.8 13.2

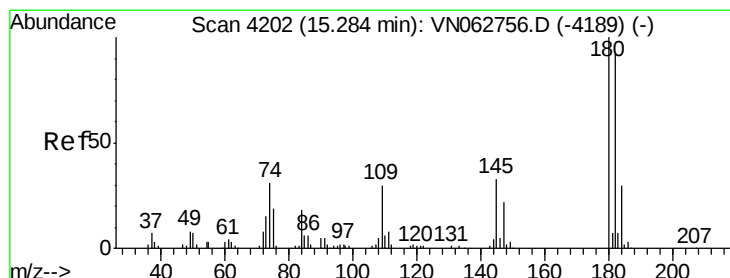
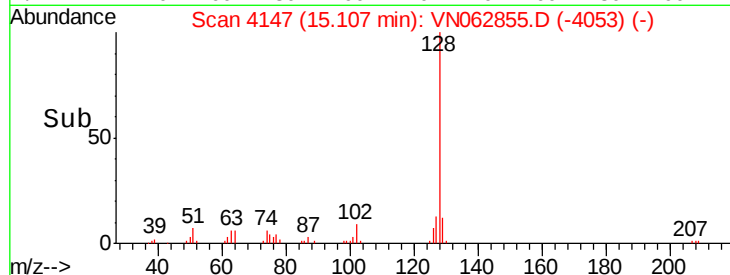
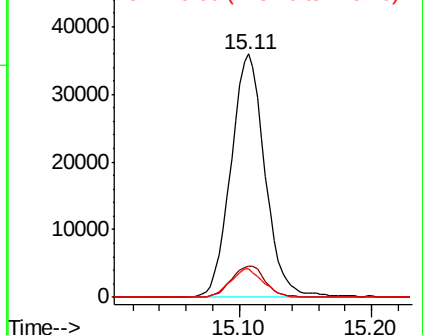


Abundance

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



#96

1,2,3-Trichlorobenzene

Concen: 16.579 ug/l

RT: 15.29 min Scan# 4203

Delta R.T. 0.00 min

Lab File: VN062855.D

Acq: 12 Aug 2020 14:06

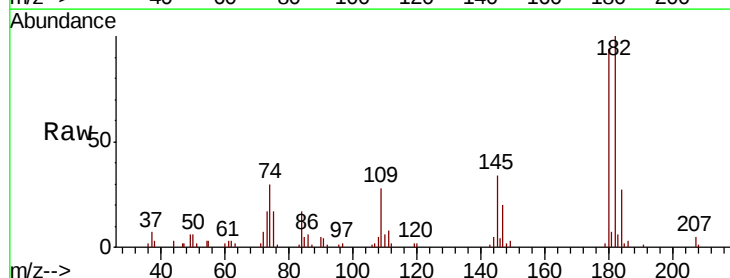
Tgt Ion:180 Resp: 25631

Ion Ratio Lower Upper

180 100

182 101.2 47.9 143.6

145 34.2 17.3 51.7



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

