

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120720\
 Data File : VN064938.D
 Acq On : 7 Dec 2020 12:23
 Operator : JC/MD
 Sample : VN1207WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBSD01

Manual Integrations
 APPROVED

MMDadoda
 12/8/2020 5:04:04 PM

Quant Time: Dec 08 07:27:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:54:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	196670	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	304489	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	272189	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	130885	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	112395	49.16	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	98.32%
35) Dibromofluoromethane	7.55	113	96253	52.83	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	105.66%
50) Toluene-d8	10.06	98	365477	49.09	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	98.18%
62) 4-Bromofluorobenzene	12.37	95	129606	48.65	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	97.30%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	25717	15.088	ug/l 99
3) Chloromethane	2.04	50	34160	15.422	ug/l 98
4) Vinyl Chloride	2.17	62	36579	15.840	ug/l 98
5) Bromomethane	2.53	94	24397	16.103	ug/l 98
6) Chloroethane	2.68	64	24184	16.932	ug/l 99
7) Trichlorofluoromethane	2.99	101	53847	16.868	ug/l 93
8) Diethyl Ether	3.37	74	23230	18.436	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.71	101	34588	18.062	ug/l 98
10) Methyl Iodide	3.90	142	36754	14.797	ug/l 98
11) Tert butyl alcohol	4.74	59	28636	80.309	ug/l 99
12) 1,1-Dichloroethene	3.69	96	32824	17.211	ug/l 99
13) Acrolein	3.56	56	18120	83.195	ug/l 99
14) Allyl chloride	4.27	41	53048	16.865	ug/l 98
15) Acrylonitrile	4.93	53	85088	86.380	ug/l 99
16) Acetone	3.78	43	71036	94.512	ug/l 99
17) Carbon Disulfide	4.01	76	77836	15.811	ug/l 98
18) Methyl Acetate	4.28	43	40030	17.714	ug/l 98
19) Methyl tert-butyl Ether	4.99	73	111941	18.301	ug/l 98
20) Methylene Chloride	4.51	84	40628	17.250	ug/l 97
21) trans-1,2-Dichloroethene	4.99	96	35215	16.628	ug/l 97
22) Diisopropyl ether	5.90	45	118135	18.764	ug/l 98
23) Vinyl Acetate	5.84	43	452899	89.956	ug/l 99
24) 1,1-Dichloroethane	5.79	63	68499	18.205	ug/l 99
25) 2-Butanone	6.79	43	106623	87.511	ug/l 98
26) 2,2-Dichloropropane	6.77	77	57178	17.521	ug/l 99
27) cis-1,2-Dichloroethene	6.78	96	42236	17.723	ug/l 99
28) Bromochloromethane	7.15	49	30387	17.653	ug/l 94
29) Tetrahydrofuran	7.17	42	69376	82.487	ug/l 99
30) Chloroform	7.33	83	71297	18.375	ug/l 98
31) Cyclohexane	7.61	56	52783	16.563	ug/l 97
32) 1,1,1-Trichloroethane	7.53	97	59613	17.888	ug/l 98
36) 1,1-Dichloropropene	7.75	75	49808	17.648	ug/l 98
37) Ethyl Acetate	6.88	43	45010	16.556	ug/l 98
38) Carbon Tetrachloride	7.73	117	51066	17.389	ug/l 97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120720\
 Data File : VN064938.D
 Acq On : 7 Dec 2020 12:23
 Operator : JC/MD
 Sample : VN1207WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBSD01

Manual Integrations
 APPROVED

MMDadoda
 12/8/2020 5:04:04 PM

Quant Time: Dec 08 07:27:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:54:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	47782	15.727	ug/l	98
40) Benzene	8.00	78	153555	17.755	ug/l	97
41) Methacrylonitrile	7.13	41	21581	17.204	ug/l	94
42) 1,2-Dichloroethane	8.08	62	52439	17.974	ug/l	100
43) Isopropyl Acetate	8.13	43	75616	17.285	ug/l	99
44) Trichloroethene	8.80	130	44568	17.466	ug/l	91
45) 1,2-Dichloropropane	9.08	63	41535	18.545	ug/l	99
46) Dibromomethane	9.17	93	27072	18.093	ug/l	98
47) Bromodichloromethane	9.37	83	53292	17.701	ug/l	99
48) Methyl methacrylate	9.16	41	34559	16.533	ug/l	95
49) 1,4-Dioxane	9.17	88	12747	322.642	ug/l	94
51) 4-Methyl-2-Pentanone	9.95	43	228093	86.850	ug/l	99
52) Toluene	10.12	92	96355	18.091	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	59872	17.855	ug/l	94
54) cis-1,3-Dichloropropene	9.81	75	65107	18.114	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	40287	18.395	ug/l	98
56) Ethyl methacrylate	10.40	69	53545	17.716	ug/l	98
57) 1,3-Dichloropropane	10.68	76	66951	18.531	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	152213	91.557	ug/l	100
59) 2-Hexanone	10.72	43	161982	85.700	ug/l	98
60) Dibromochloromethane	10.87	129	44553	18.300	ug/l	100
61) 1,2-Dibromoethane	10.97	107	39230	17.630	ug/l	98
64) Tetrachloroethene	10.60	164	44732	16.892	ug/l	96
65) Chlorobenzene	11.40	112	107872	18.455	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	41343	19.246	ug/l	100
67) Ethyl Benzene	11.48	91	174234	17.843	ug/l	98
68) m/p-Xylenes	11.59	106	138158	37.370	ug/l	98
69) o-Xylene	11.92	106	64532	18.394	ug/l	98
70) Styrene	11.94	104	109944	18.564	ug/l	99
71) Bromoform	12.10	173	31252	18.215	ug/l #	96
73) Isopropylbenzene	12.22	105	172690	18.969	ug/l	100
74) N-amyl acetate	12.05	43	61942	17.289	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	51316	19.231	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	53999m	19.157	ug/l	
77) Bromobenzene	12.50	156	44781	18.245	ug/l	99
78) n-propylbenzene	12.56	91	189970	18.317	ug/l	99
79) 2-Chlorotoluene	12.65	91	115791	18.062	ug/l	96
80) 1,3,5-Trimethylbenzene	12.70	105	142796	18.870	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	16662	16.201	ug/l	94
82) 4-Chlorotoluene	12.75	91	122488	18.228	ug/l	99
83) tert-Butylbenzene	12.97	119	119058	18.771	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	142108	18.574	ug/l	97
85) sec-Butylbenzene	13.14	105	153342	18.208	ug/l	99
86) p-Isopropyltoluene	13.26	119	140470	18.321	ug/l	99
87) 1,3-Dichlorobenzene	13.25	146	79543	18.241	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	79775	17.299	ug/l	98
89) n-Butylbenzene	13.59	91	113002	16.783	ug/l	99
90) Hexachloroethane	13.85	117	24053	18.059	ug/l	97
91) 1,2-Dichlorobenzene	13.62	146	79130	18.481	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	9859	16.420	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120720\
Data File : VN064938.D
Acq On : 7 Dec 2020 12:23
Operator : JC/MD
Sample : VN1207WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD01

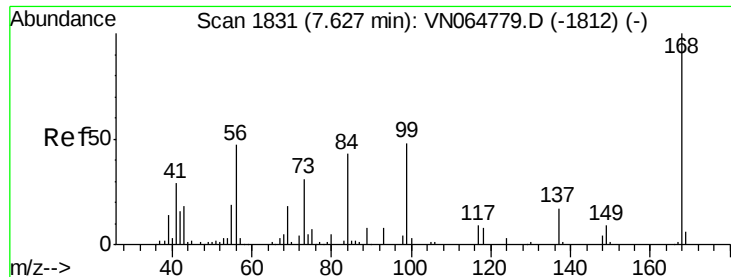
Manual Integrations
APPROVED

MMDadoda
12/8/2020 5:04:04 PM

Quant Time: Dec 08 07:27:49 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
Quant Title : SW846 8260
QLast Update : Mon Nov 23 13:54:12 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	40912	15.446	ug/l	99
94) Hexachlorobutadiene	14.98	225	20957	17.812	ug/l	96
95) Naphthalene	15.10	128	116949	14.738	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	39217	16.538	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064938.D

Acq: 7 Dec 2020 12:23

Instrument :

MSVOA_N

ClientSampleId :

VN1207WBSD01

Tot Ion:168 Resp: 196670

Ion Ratio Lower Upper

168 100

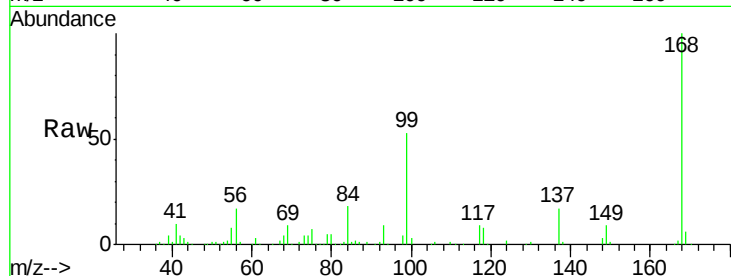
99 52.6 43.0 64.4

Manual Integrations

APPROVED

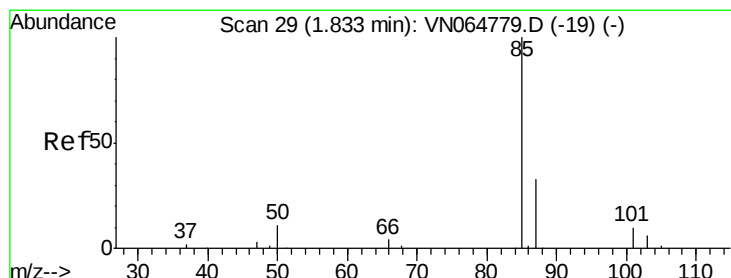
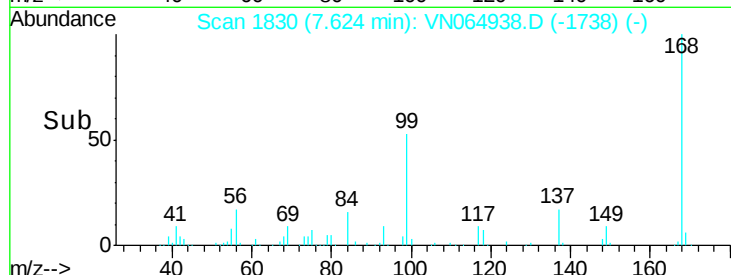
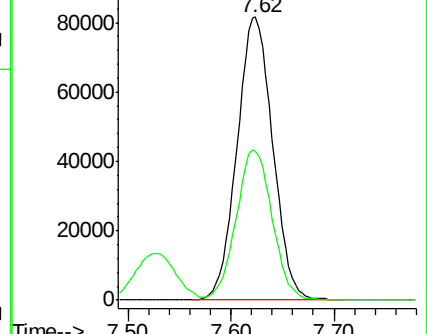
MMDadoda

12/8/2020 5:04:04 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 15.088 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064938.D

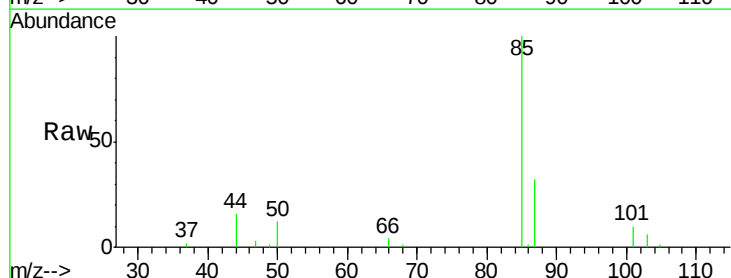
Acq: 7 Dec 2020 12:23

Tgt Ion: 85 Resp: 25717

Ion Ratio Lower Upper

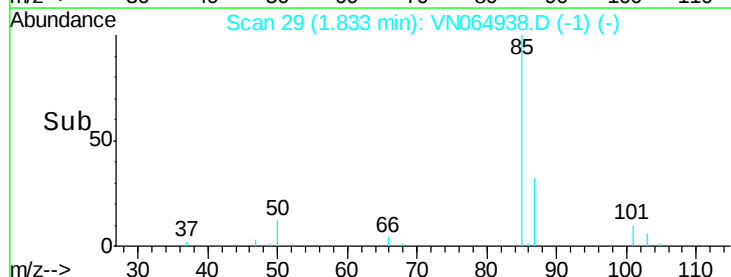
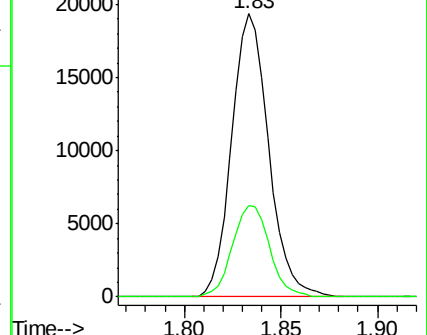
85 100

87 32.1 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 15.422 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064938.D

Acq: 7 Dec 2020 12:23

Instrument :

MSVOA_N

ClientSampleId :

VN1207WBSD01

Tot Ion: 50 Resp: 34160

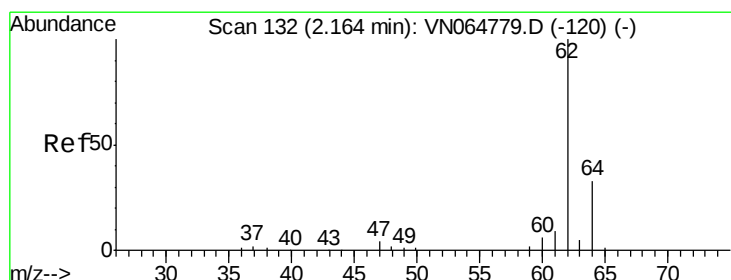
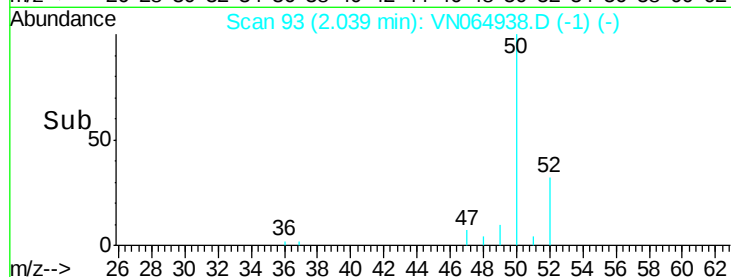
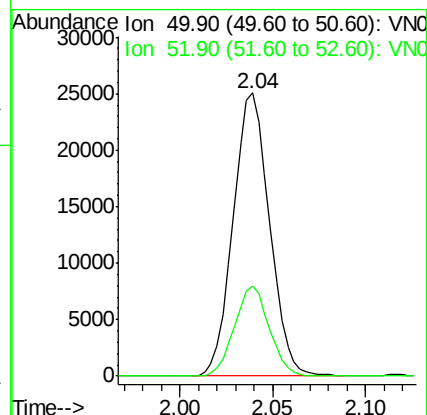
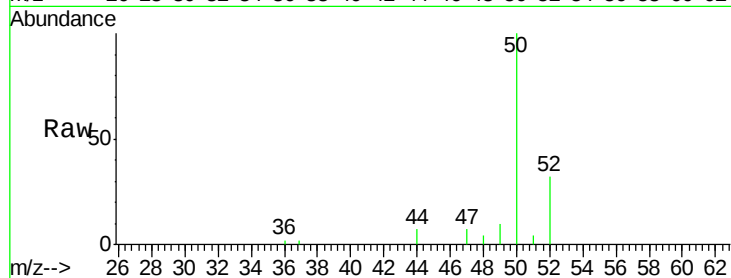
Ion Ratio Lower Upper

50 100

52 31.9 26.6 39.8

Manual Integrations
APPROVED

MMDadoda
12/8/2020 5:04:04 PM



#4

Vinyl Chloride

Concen: 15.840 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN064938.D

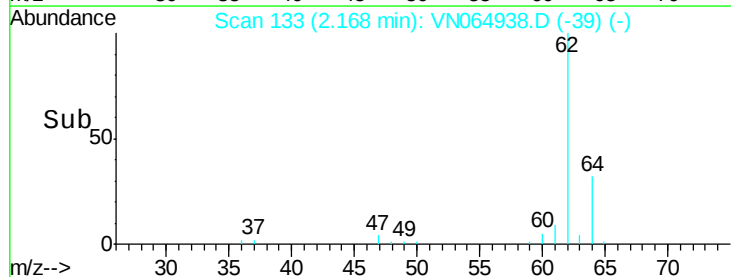
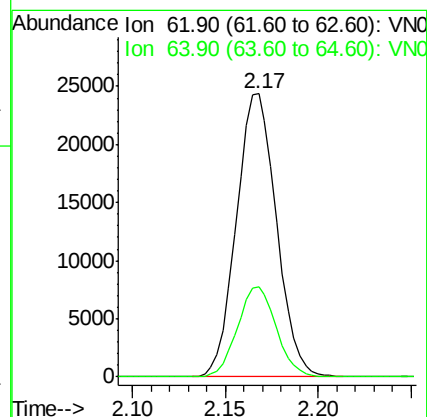
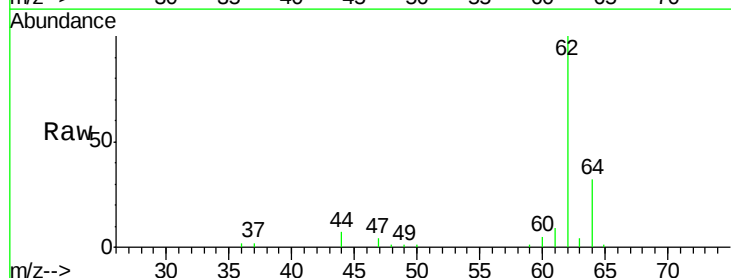
Acq: 7 Dec 2020 12:23

Tgt Ion: 62 Resp: 36579

Ion Ratio Lower Upper

62 100

64 32.0 26.5 39.7





#5

Bromomethane

Concen: 16.103 ug/l

RT: 2.53 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN064938.D

Acq: 7 Dec 2020 12:23

Instrument :

MSVOA_N

ClientSampleId :

VN1207WBSD01

Tot Ion: 94 Resp: 24397

Ion Ratio Lower Upper

94 100

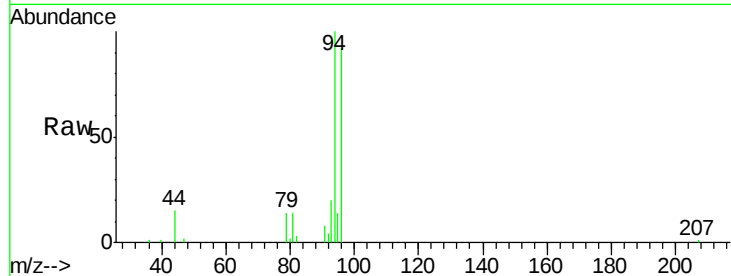
96 92.2 75.4 113.0

Manual Integrations

APPROVED

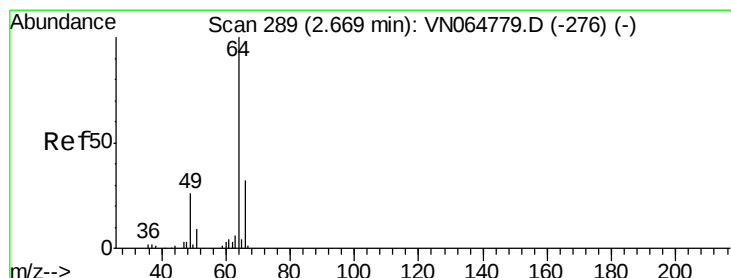
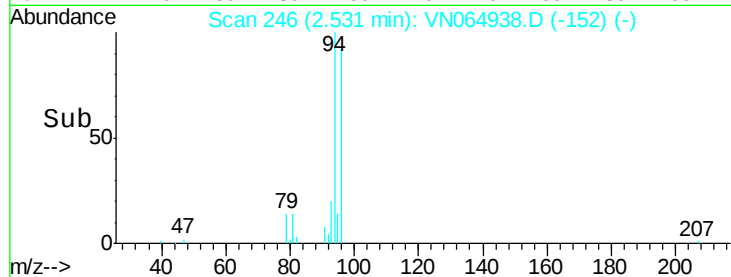
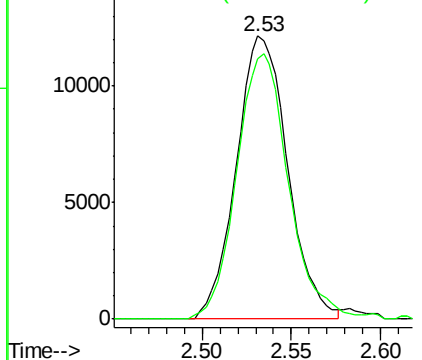
MMDadoda

12/8/2020 5:04:04 PM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 16.932 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.01 min

Lab File: VN064938.D

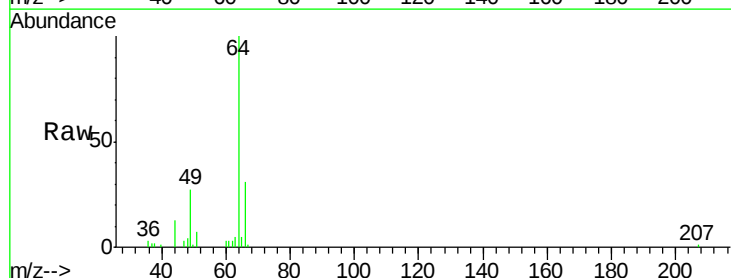
Acq: 7 Dec 2020 12:23

Tgt Ion: 64 Resp: 24184

Ion Ratio Lower Upper

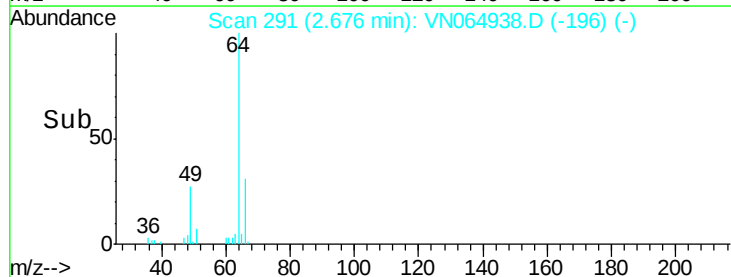
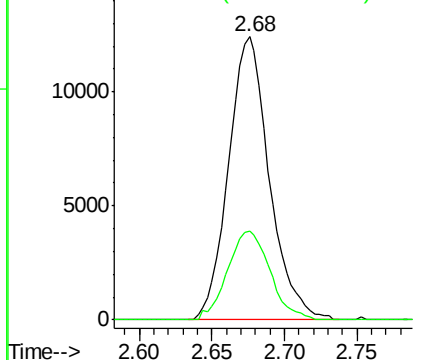
64 100

66 31.4 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

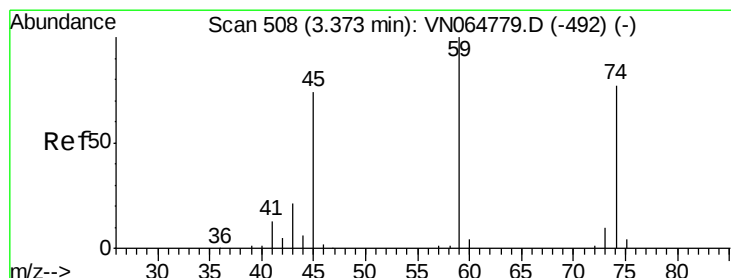
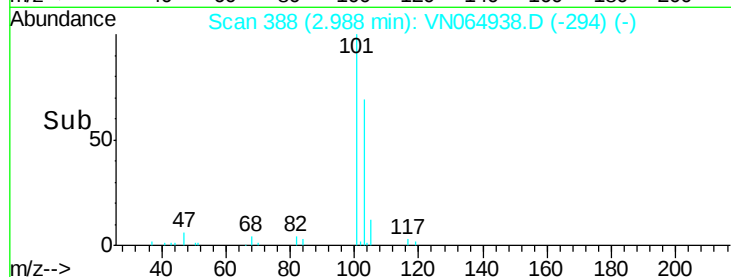
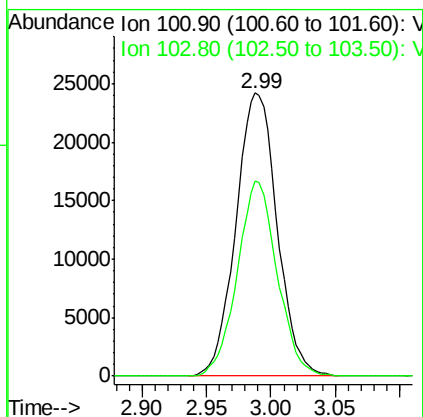
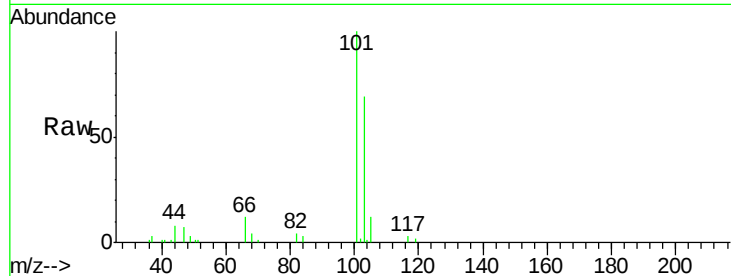
Trichlorofluoromethane
Concen: 16.868 ug/l
RT: 2.99 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN064938.D
Acq: 7 Dec 2020 12:23

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	68.8	50.5	75.7

Manual Integrations
APPROVED

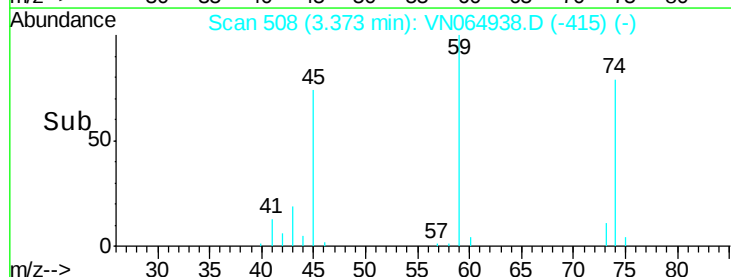
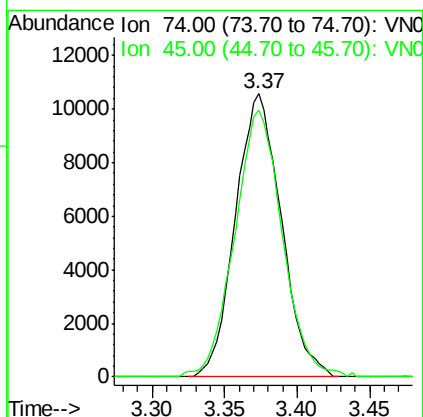
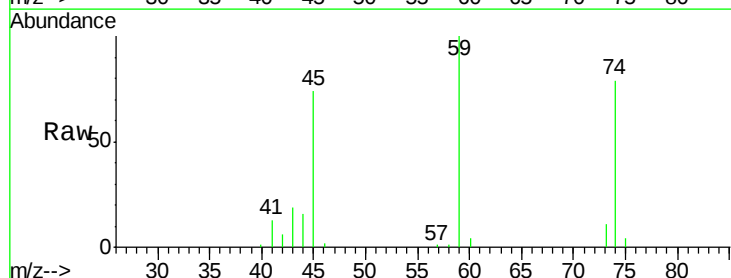
MMDadoda
12/8/2020 5:04:04 PM

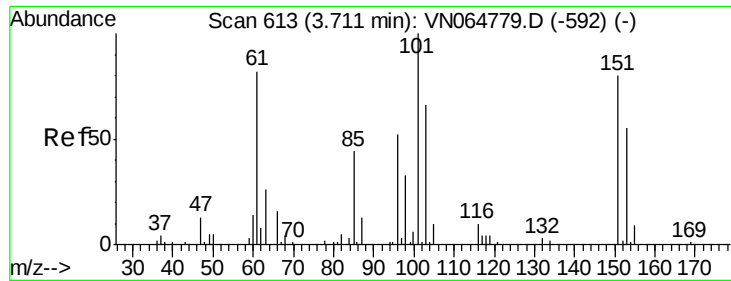


#8

Diethyl Ether
Concen: 18.436 ug/l
RT: 3.37 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN064938.D
Acq: 7 Dec 2020 12:23

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.9	48.9	146.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.062 ug/l

RT: 3.71 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN064938.D

Acq: 7 Dec 2020 12:23

Instrument :

MSVOA_N

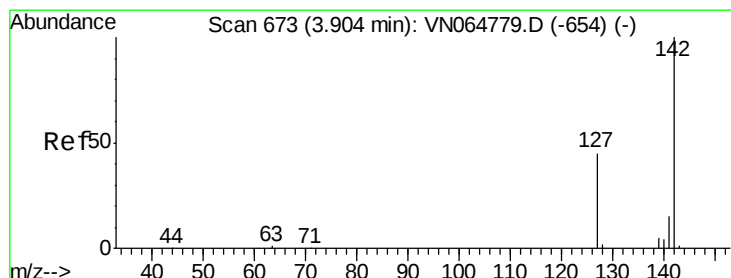
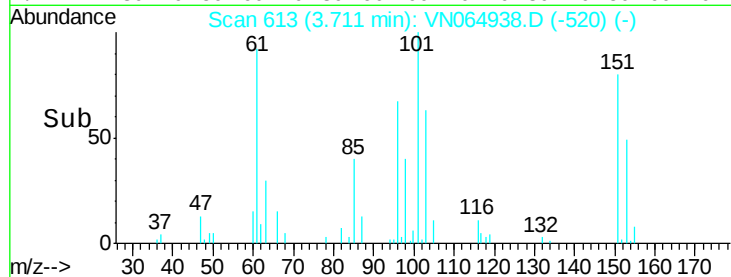
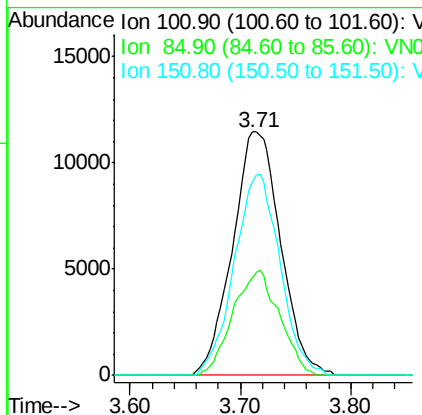
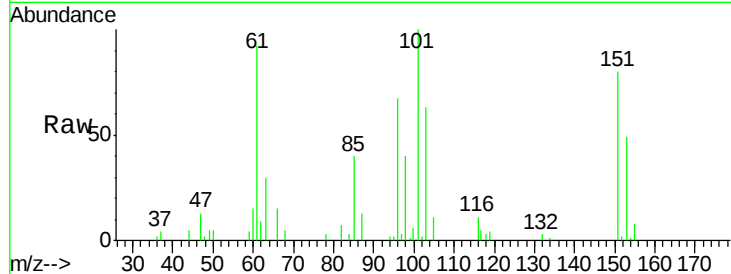
ClientSampleId :

VN1207WBSD01

Tot Ion:	101	Resp:	34588
Ion Ratio	Lower	Upper	
101	100		
85	41.7	34.4	51.6
151	78.8	64.0	96.0

Manual Integrations
APPROVED

MMDadoda
12/8/2020 5:04:04 PM



#10

Methyl Iodide

Concen: 14.797 ug/l

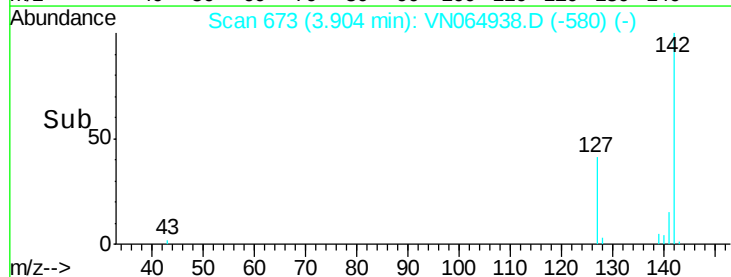
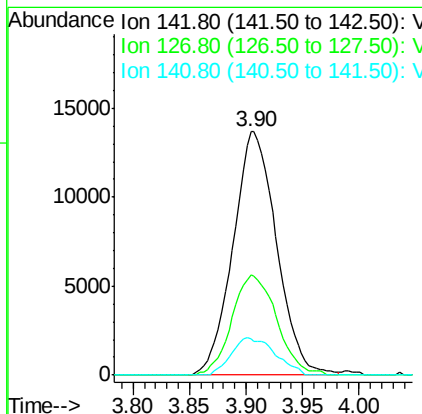
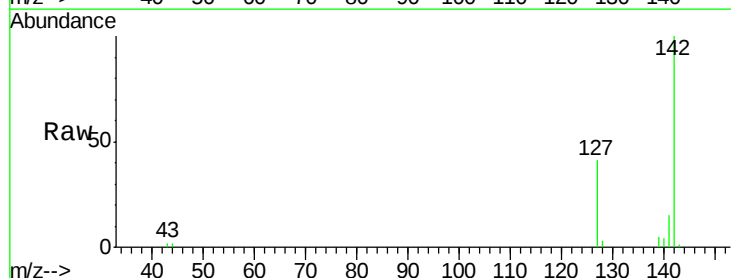
RT: 3.90 min Scan# 673

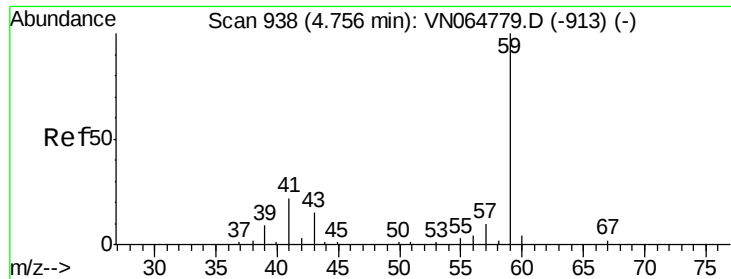
Delta R.T. 0.00 min

Lab File: VN064938.D

Acq: 7 Dec 2020 12:23

Tgt Ion:	142	Resp:	36754
Ion Ratio	Lower	Upper	
142	100		
127	42.2	35.0	52.6
141	15.4	11.8	17.6





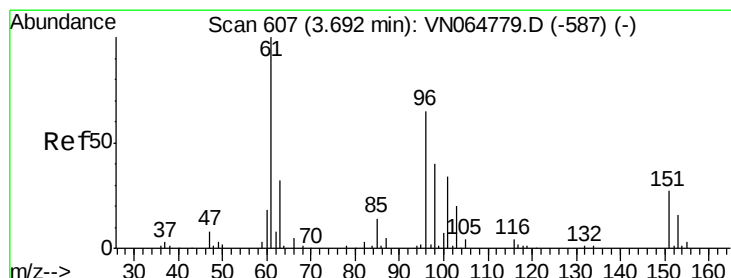
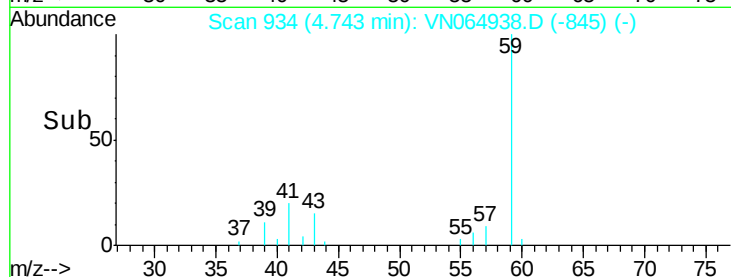
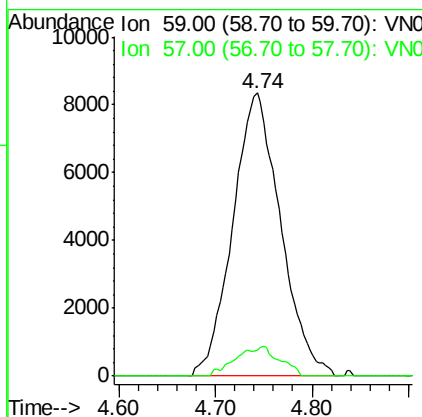
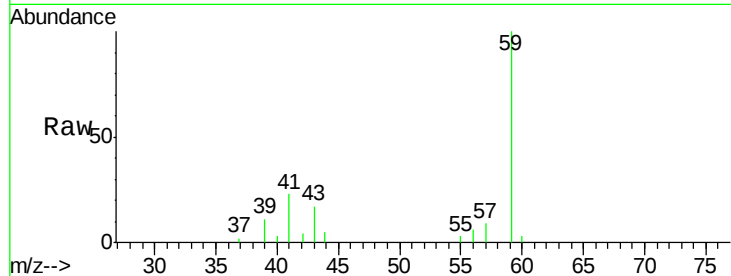
#11
Tert butyl alcohol
Concen: 80.309 ug/l
RT: 4.74 min Scan# 934
Delta R.T. -0.01 min
Lab File: VN064938.D
Acq: 7 Dec 2020 12:23

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD01

Tot Ion: 59 Resp: 28636
Ion Ratio Lower Upper
59 100
57 9.7 7.9 11.9

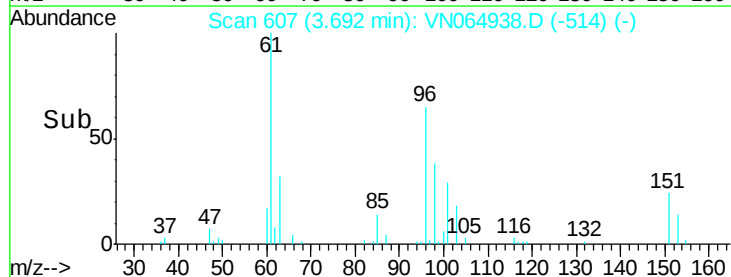
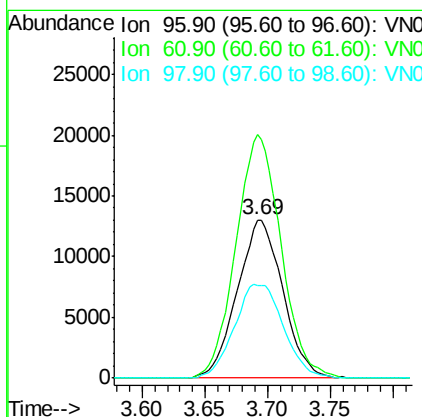
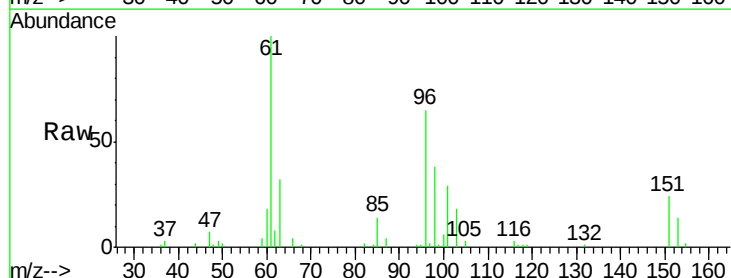
Manual Integrations
APPROVED

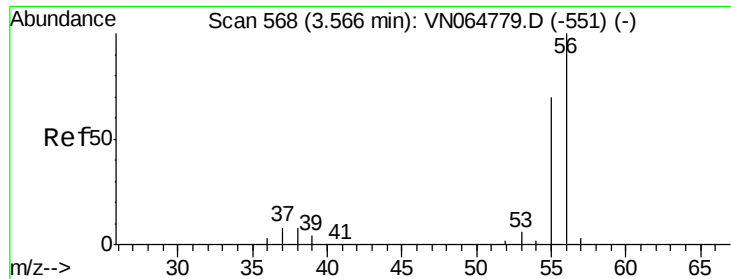
MMDadoda
12/8/2020 5:04:04 PM



#12
1,1-Dichloroethene
Concen: 17.211 ug/l
RT: 3.69 min Scan# 607
Delta R.T. 0.00 min
Lab File: VN064938.D
Acq: 7 Dec 2020 12:23

Tgt Ion: 96 Resp: 32824
Ion Ratio Lower Upper
96 100
61 154.0 123.4 185.2
98 58.9 49.8 74.8





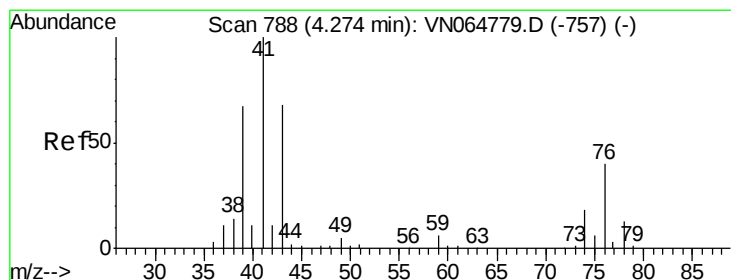
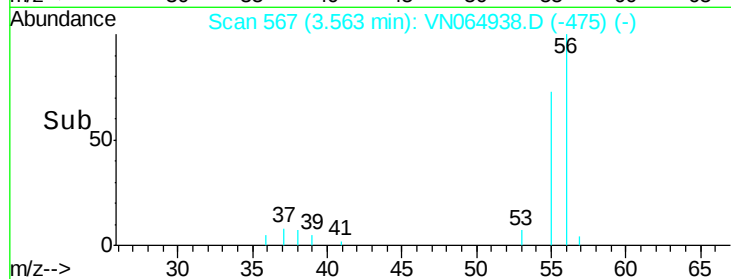
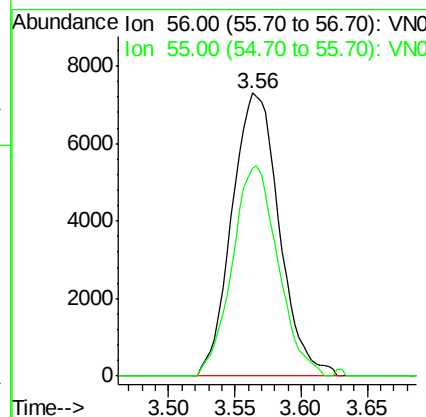
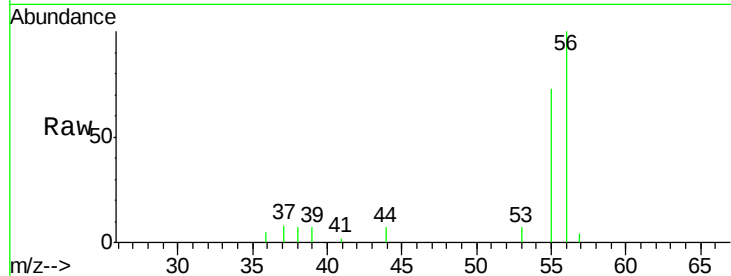
#13
Acrolein
Concen: 83.195 ug/l
RT: 3.56 min Scan# 567
Delta R.T. -0.00 min
Lab File: VN064938.D
Acq: 7 Dec 2020 12:23

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD01

Tot Ion: 56 Resp: 18120
Ion Ratio Lower Upper
56 100
55 71.7 56.5 84.7

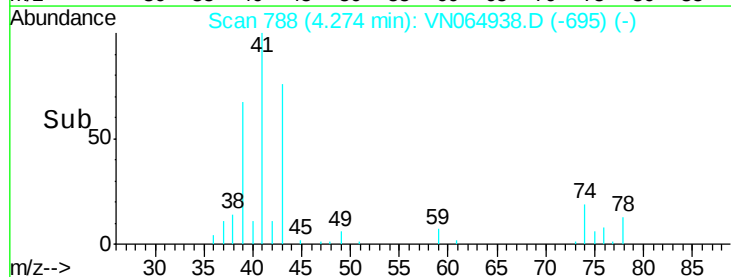
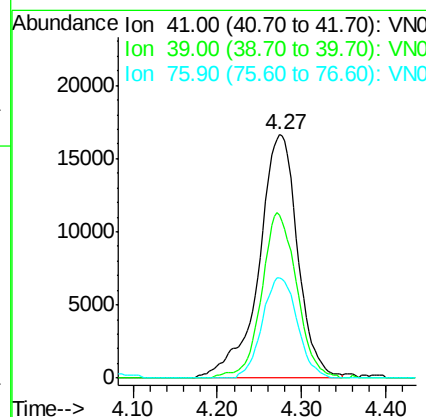
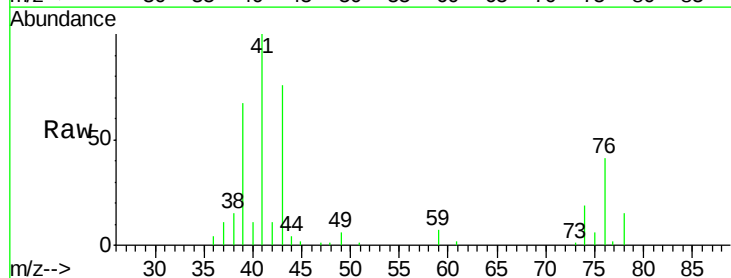
Manual Integrations
APPROVED

MMDadoda
12/8/2020 5:04:04 PM



#14
Allyl chloride
Concen: 16.865 ug/l
RT: 4.27 min Scan# 788
Delta R.T. 0.00 min
Lab File: VN064938.D
Acq: 7 Dec 2020 12:23

Tgt Ion: 41 Resp: 53048
Ion Ratio Lower Upper
41 100
39 61.4 50.9 76.3
76 37.2 29.0 43.4





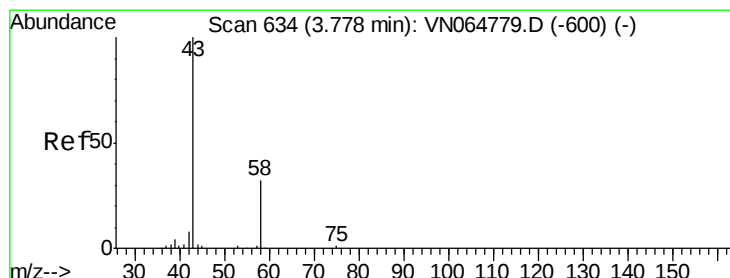
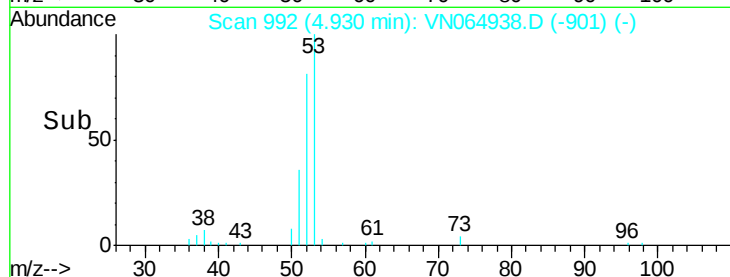
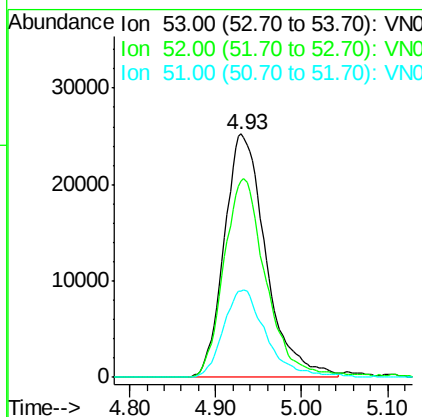
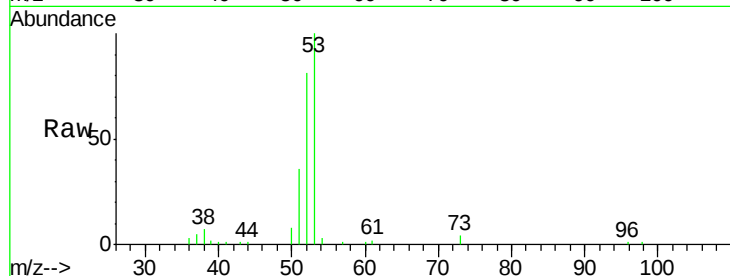
#15
 Acrylonitrile
 Concen: 86.380 ug/l
 RT: 4.93 min Scan# 992
 Delta R.T. -0.01 min
 Lab File: VN064938.D
 Acq: 7 Dec 2020 12:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBSD01

Tot Ion	Ratio	Lower	Upper
53	100		
52	81.7	65.5	98.3
51	36.9	28.6	43.0

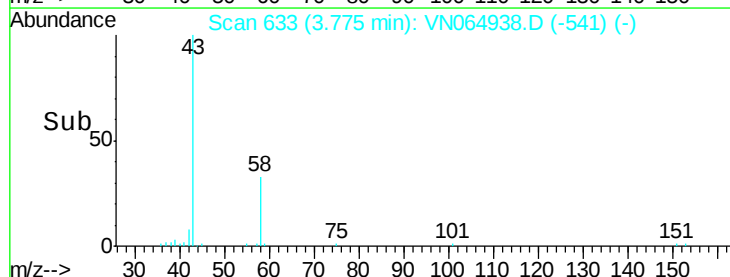
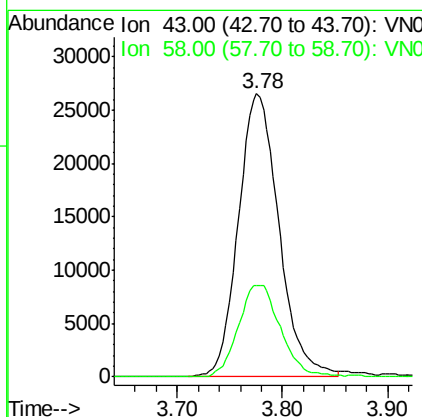
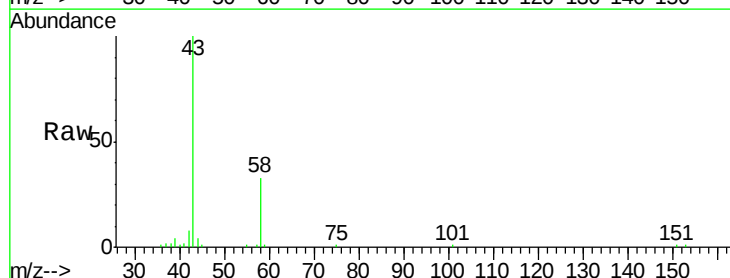
Manual Integrations
 APPROVED

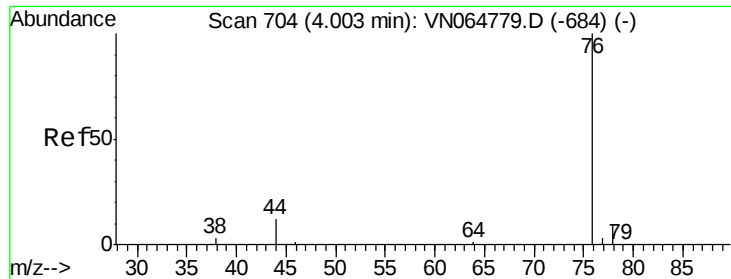
MMDadoda
 12/8/2020 5:04:04 PM



#16
 Acetone
 Concen: 94.512 ug/l
 RT: 3.78 min Scan# 633
 Delta R.T. -0.00 min
 Lab File: VN064938.D
 Acq: 7 Dec 2020 12:23

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.5	25.7	38.5





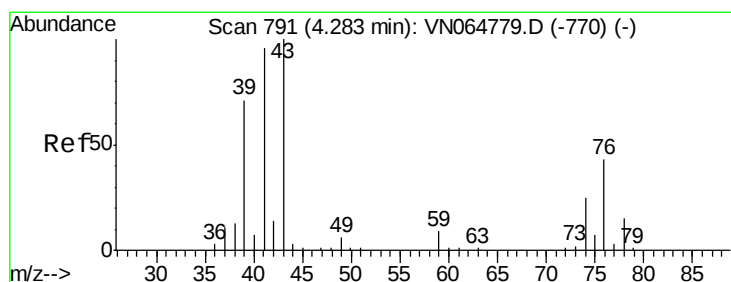
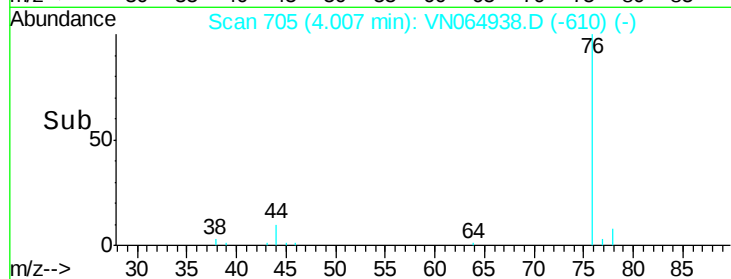
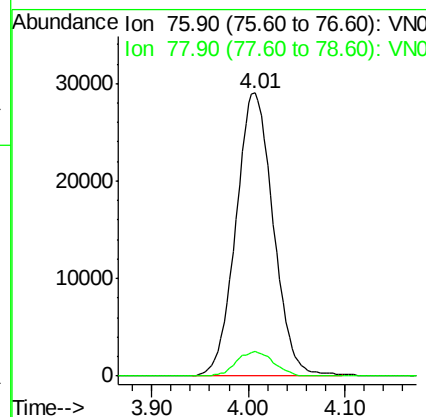
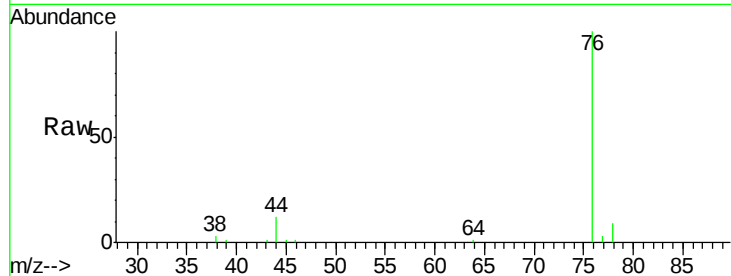
#17
Carbon Disulfide
Concen: 15.811 ug/l
RT: 4.01 min Scan# 705
Delta R.T. 0.00 min
Lab File: VN064938.D
Acq: 7 Dec 2020 12:23

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD01

Tot Ion: 76 Resp: 77836
Ion Ratio Lower Upper
76 100
78 8.6 7.4 11.0

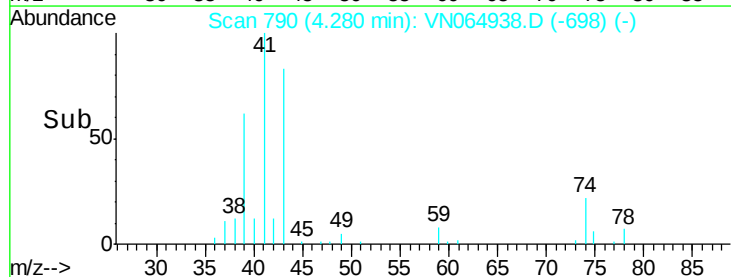
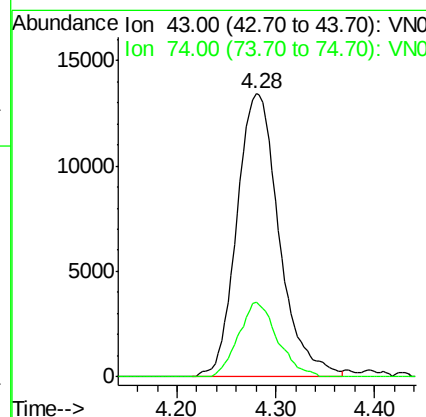
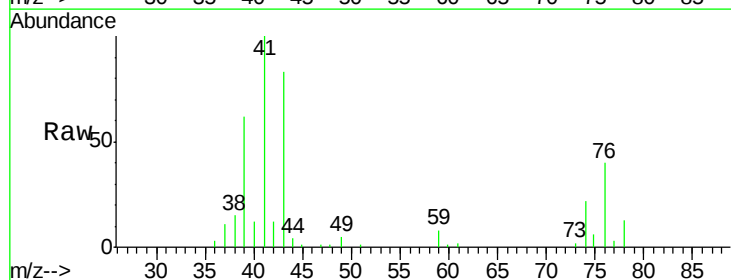
Manual Integrations
APPROVED

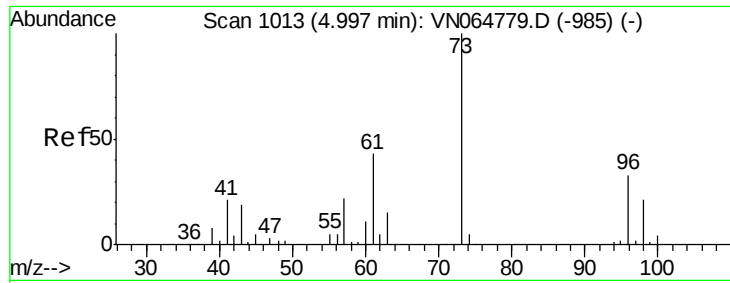
MMDadoda
12/8/2020 5:04:04 PM



#18
Methyl Acetate
Concen: 17.714 ug/l
RT: 4.28 min Scan# 790
Delta R.T. -0.00 min
Lab File: VN064938.D
Acq: 7 Dec 2020 12:23

Tgt Ion: 43 Resp: 40030
Ion Ratio Lower Upper
43 100
74 24.3 20.2 30.2





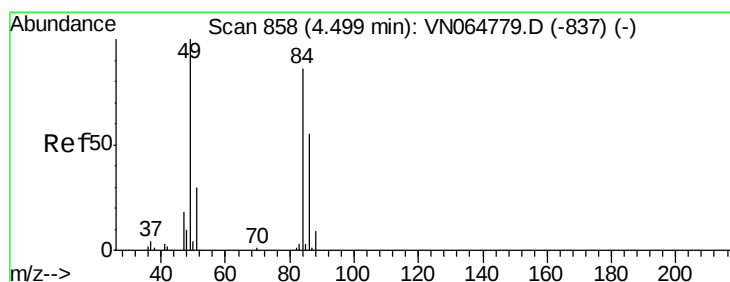
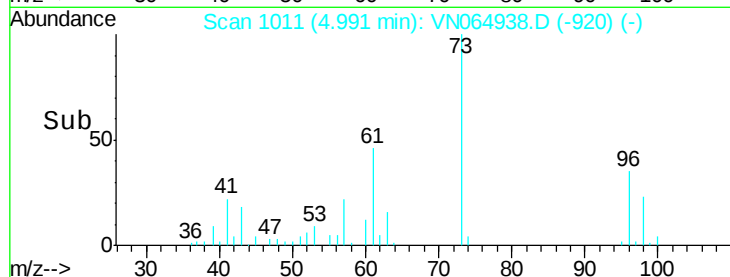
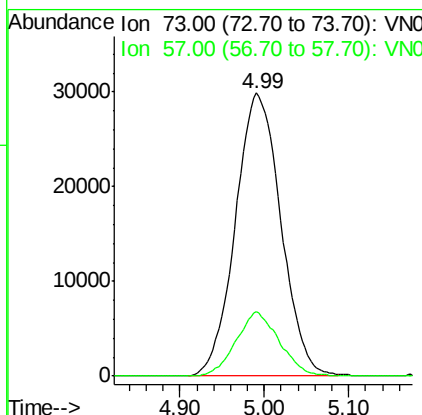
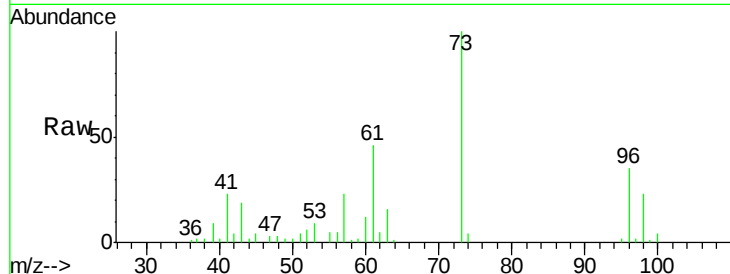
#19
Methvl tert-butvl Ether
Concen: 18.301 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VN064938.D
Acq: 7 Dec 2020 12:23

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD01

Tot Ion: 73 Resp: 111941
Ion Ratio Lower Upper
73 100
57 22.8 17.4 26.0

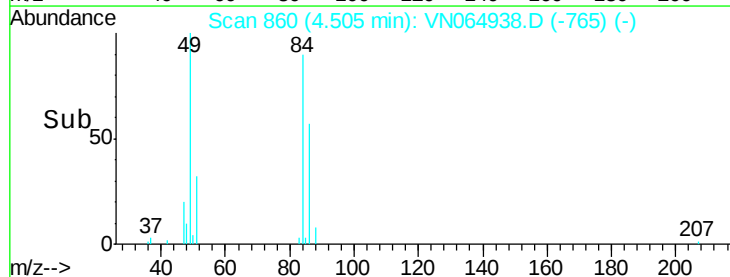
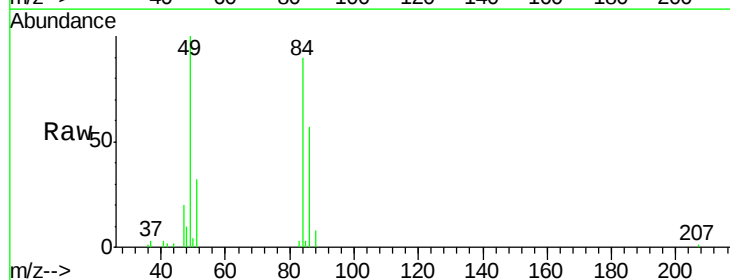
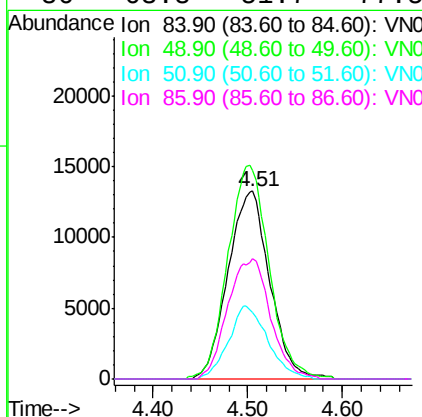
Manual Integrations
APPROVED

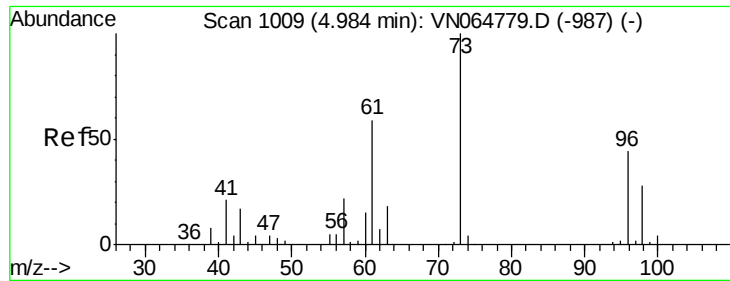
MMDadoda
12/8/2020 5:04:04 PM



#20
Methylene Chloride
Concen: 17.250 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.01 min
Lab File: VN064938.D
Acq: 7 Dec 2020 12:23

Tgt Ion: 84 Resp: 40628
Ion Ratio Lower Upper
84 100
49 111.4 93.4 140.0
51 35.5 28.2 42.4
86 63.8 51.7 77.5





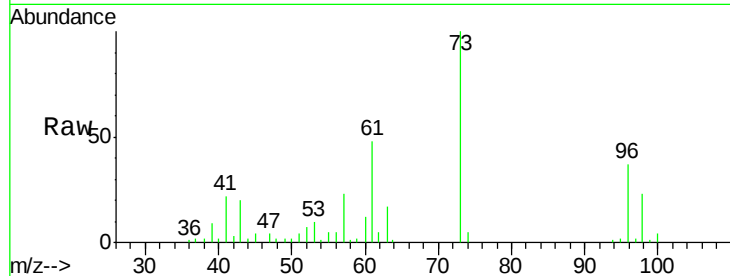
#21
trans-1,2-Dichloroethene
Concen: 16.628 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN064938.D
Acq: 7 Dec 2020 12:23

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.8	108.4	162.6
98	63.2	51.3	76.9

Manual Integrations
APPROVED

MMDadoda
12/8/2020 5:04:04 PM

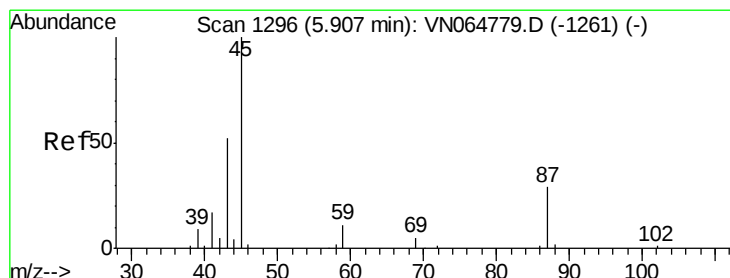
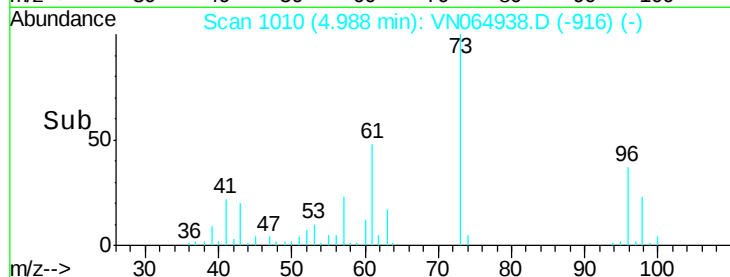
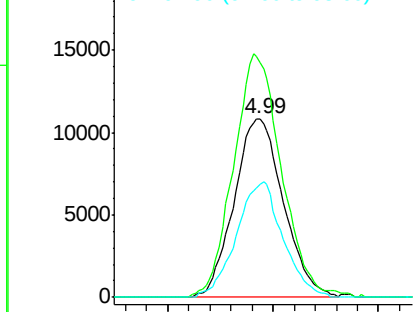


Abundance

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: 18.764 ug/l
RT: 5.90 min Scan# 1295
Delta R.T. -0.00 min
Lab File: VN064938.D
Acq: 7 Dec 2020 12:23

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.0	46.2	69.2
87	31.3	24.1	36.1
59	12.3	9.0	13.4

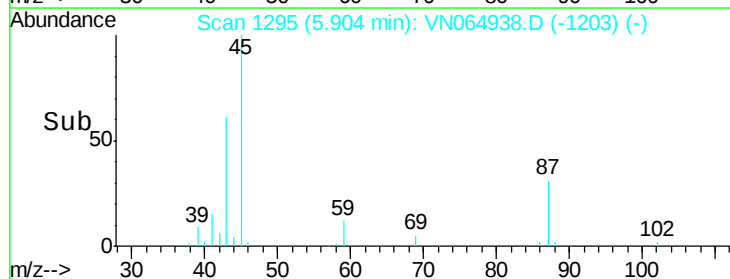
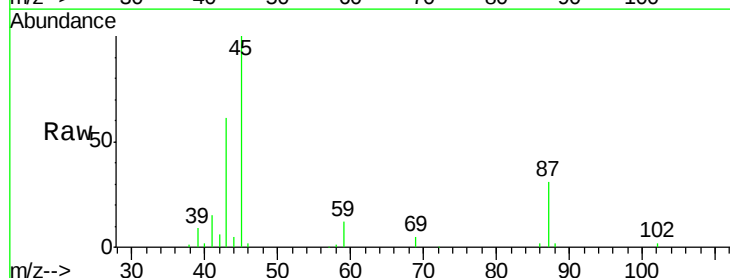
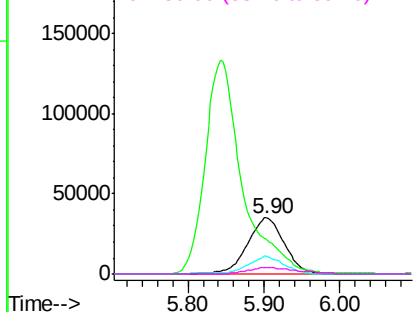
Abundance

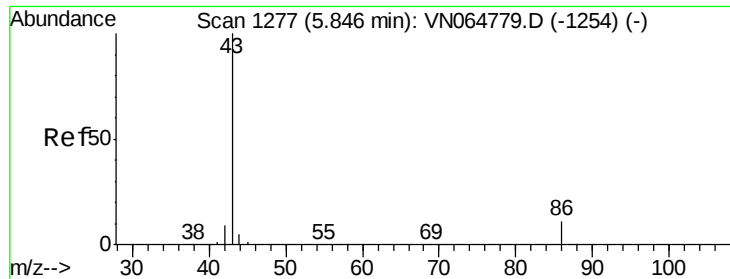
Ion 45.00 (44.70 to 45.70): VN0

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





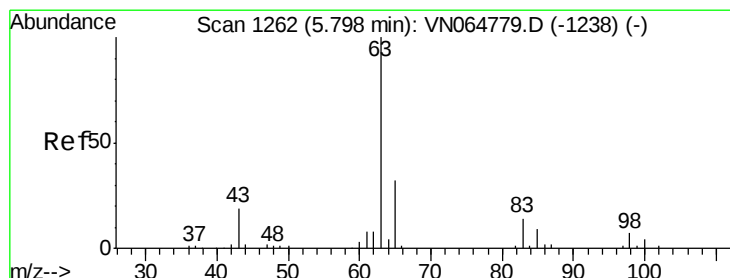
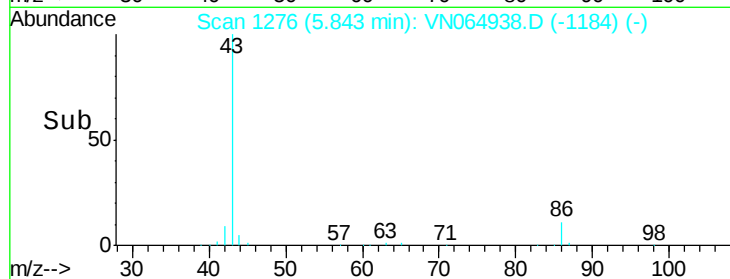
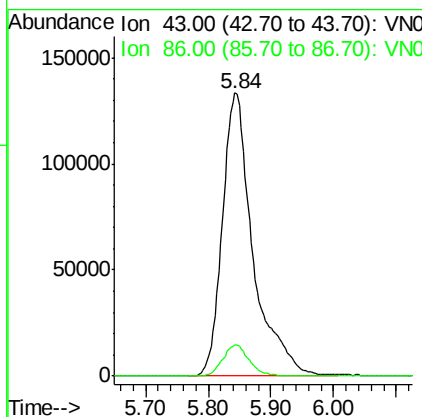
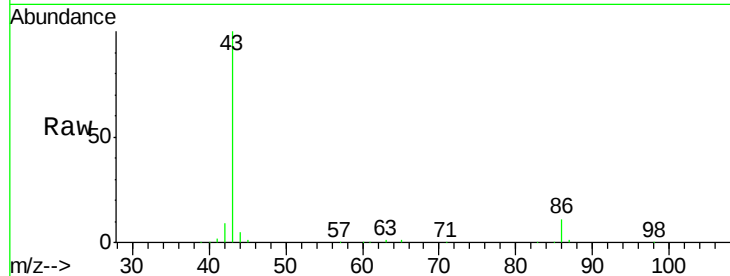
#23
 Vinyl Acetate
 Concen: 89.956 ug/l
 RT: 5.84 min Scan# 1276
 Delta R.T. -0.00 min
 Lab File: VN064938.D
 Acq: 7 Dec 2020 12:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBSD01

Tot Ion	43	Resp	452899
Ion Ratio	100	Lower	Upper
43	100		
86	10.8	8.9	13.3

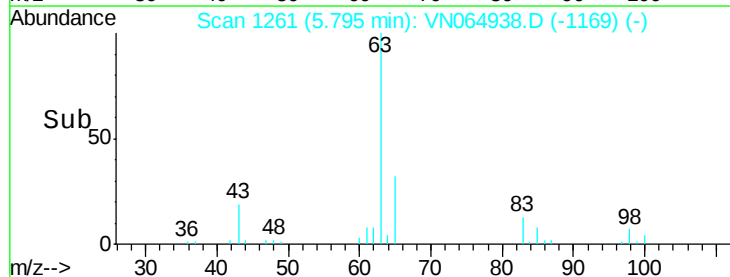
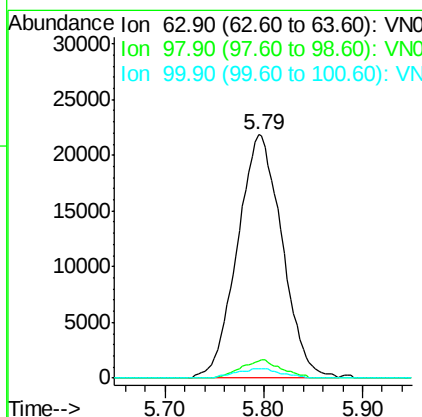
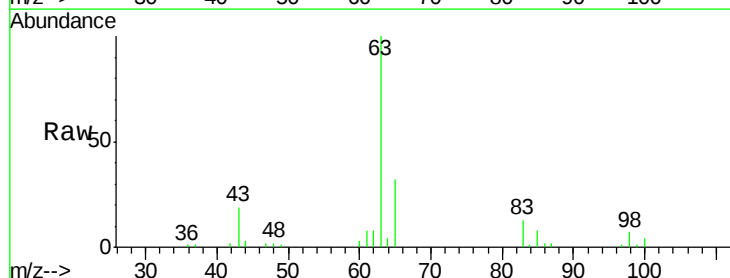
Manual Integrations
 APPROVED

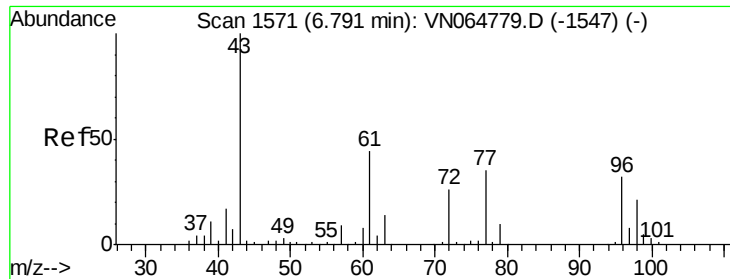
MMDadoda
 12/8/2020 5:04:04 PM



#24
 1,1-Dichloroethane
 Concen: 18.205 ug/l
 RT: 5.79 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VN064938.D
 Acq: 7 Dec 2020 12:23

Tgt Ion	63	Resp	68499
Ion Ratio	100	Lower	Upper
63	100		
98	7.2	3.5	10.5
100	4.0	2.3	6.8





#25

2-Butanone

Concen: 87.511 ug/l

RT: 6.79 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN064938.D

Acq: 7 Dec 2020 12:23

Tot Ion: 43 Resp: 106623

Ion Ratio Lower Upper

43 100

72 27.3 21.0 31.6

Instrument :

MSVOA_N

ClientSampleId :

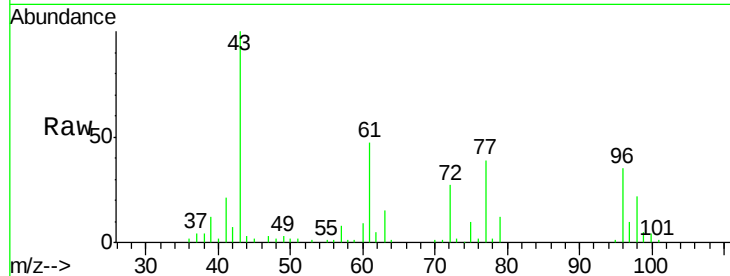
VN1207WBSD01

Manual Integrations

APPROVED

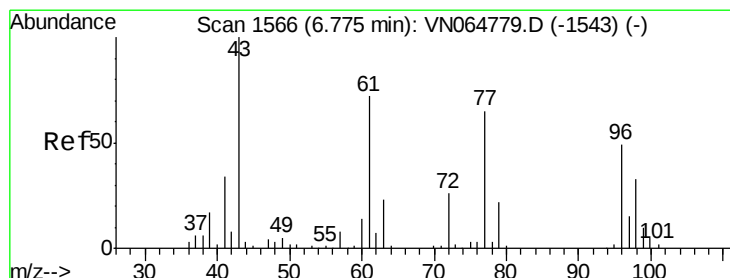
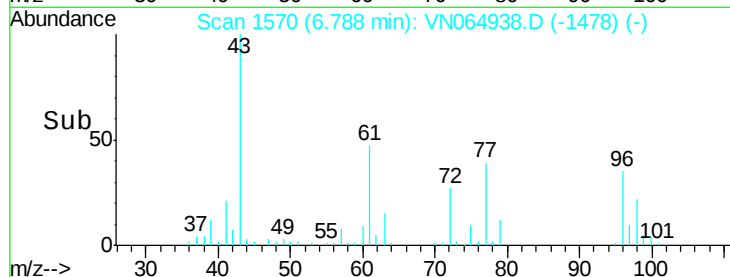
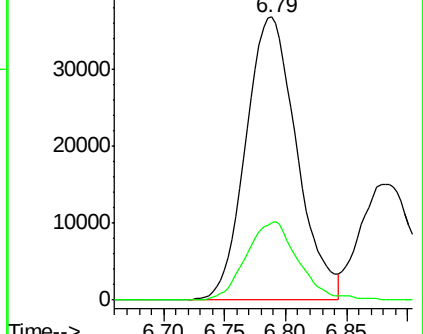
MMDadoda

12/8/2020 5:04:04 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 17.521 ug/l

RT: 6.77 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN064938.D

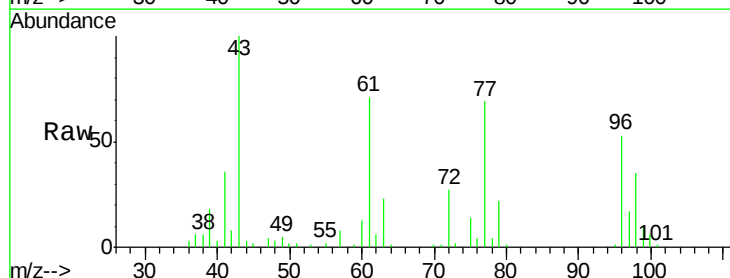
Acq: 7 Dec 2020 12:23

Tgt Ion: 77 Resp: 57178

Ion Ratio Lower Upper

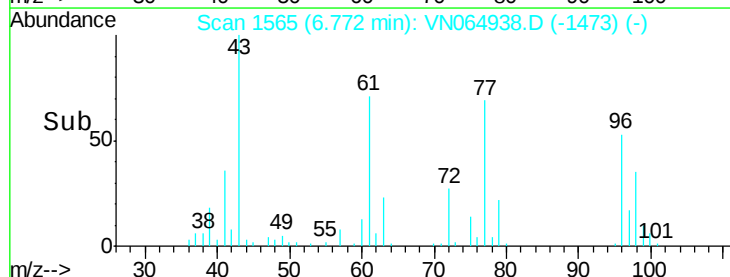
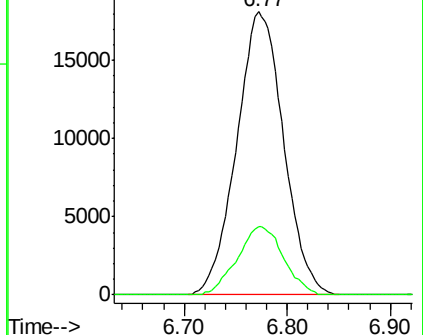
77 100

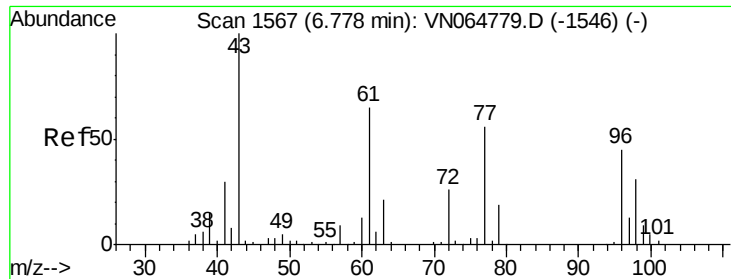
97 23.8 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 17.723 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN064938.D

Acq: 7 Dec 2020 12:23

Instrument :

MSVOA_N

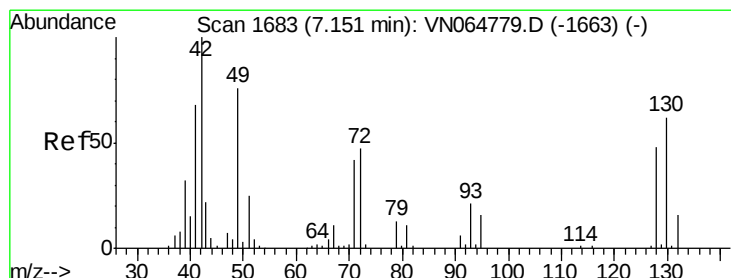
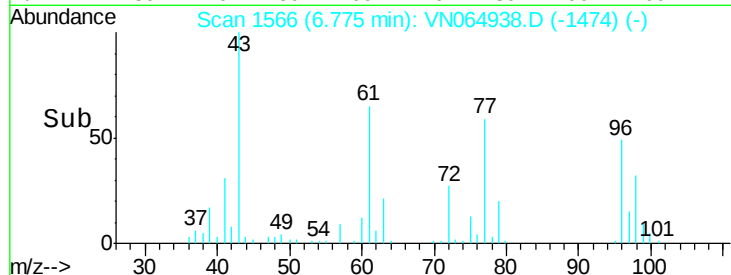
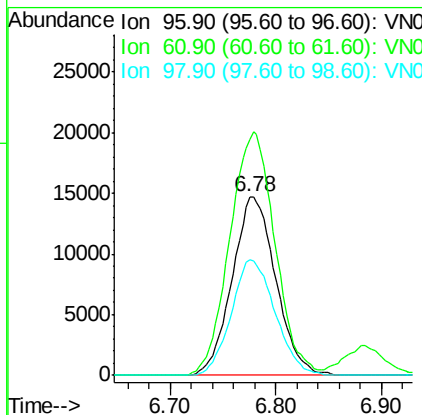
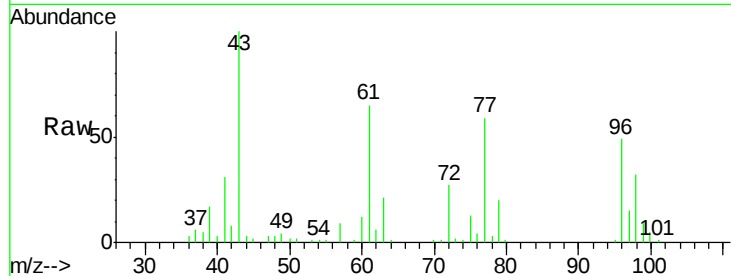
ClientSampleId :

VN1207WBSD01

Tot Ion:	96	Resp:	42236
Ion	Ratio	Lower	Upper
96	100		
61	141.2	0.0	285.8
98	65.0	0.0	130.6

Manual Integrations
APPROVED

MMDadoda
12/8/2020 5:04:04 PM



#28

Bromochloromethane

Concen: 17.653 ug/l

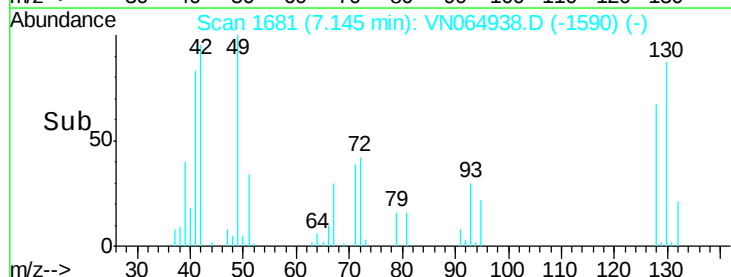
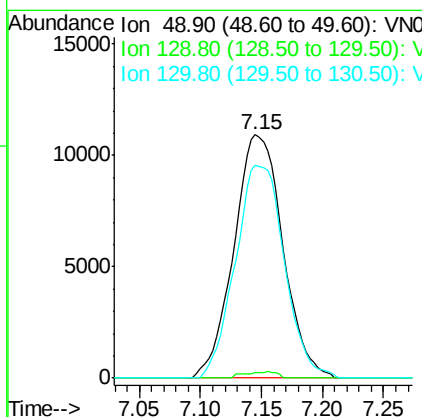
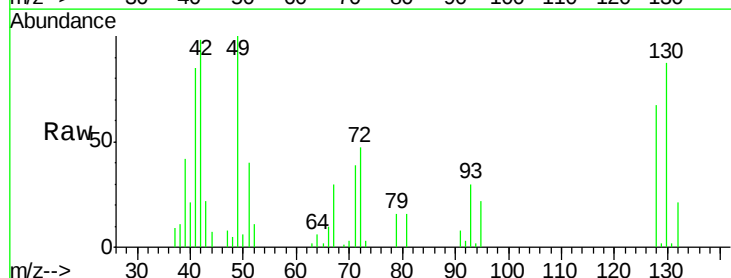
RT: 7.15 min Scan# 1681

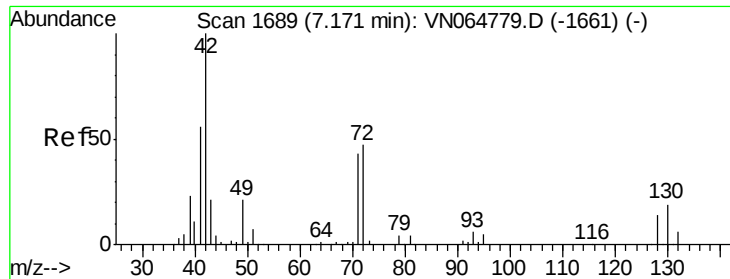
Delta R.T. -0.01 min

Lab File: VN064938.D

Acq: 7 Dec 2020 12:23

Tgt Ion:	49	Resp:	30387
Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	3.8
130	87.9	66.2	99.2





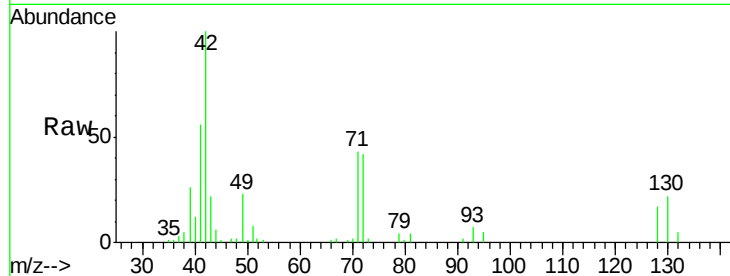
#29
Tetrahydrofuran
Concen: 82.487 ug/l
RT: 7.17 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VN064938.D
Acq: 7 Dec 2020 12:23

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD01

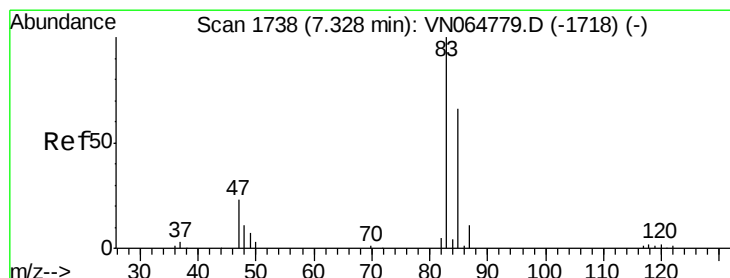
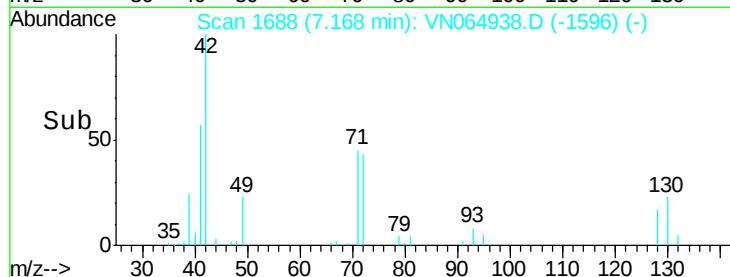
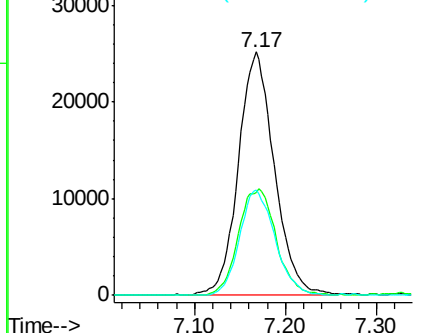
Tot Ion	Ratio	Lower	Upper
42	100		
72	45.9	36.6	54.8
71	42.6	33.6	50.4

Manual Integrations
APPROVED

MMDadoda
12/8/2020 5:04:04 PM

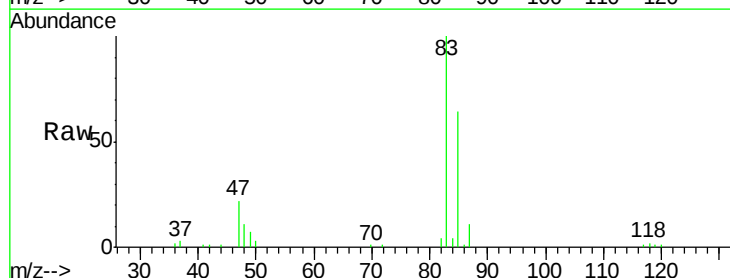


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

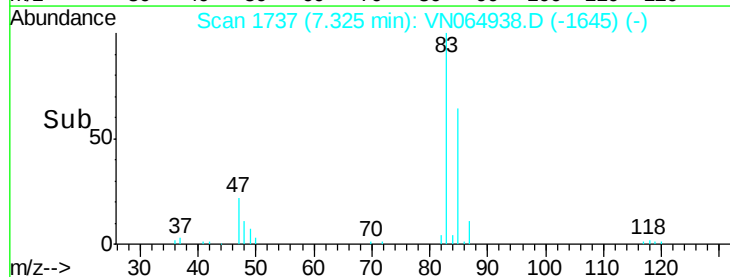
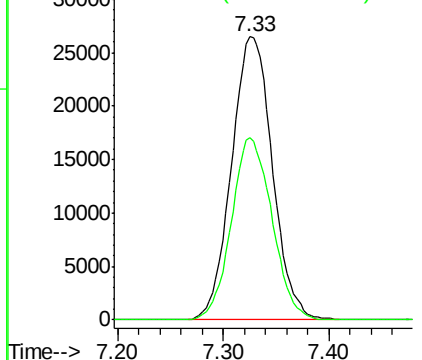


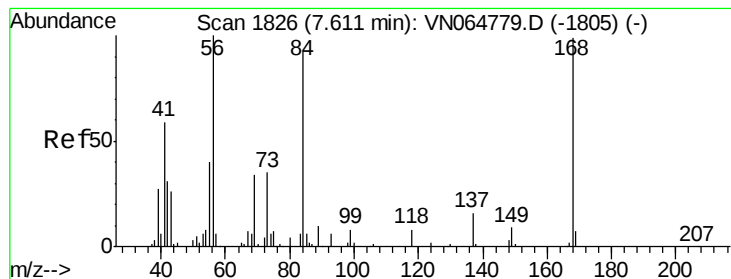
#30
Chloroform
Concen: 18.375 ug/l
RT: 7.33 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN064938.D
Acq: 7 Dec 2020 12:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	52.6	78.8



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 16.563 ug/l

RT: 7.61 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN064938.D

Acq: 7 Dec 2020 12:23

Instrument :

MSVOA_N

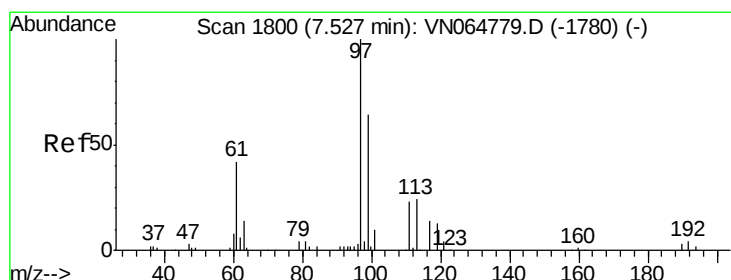
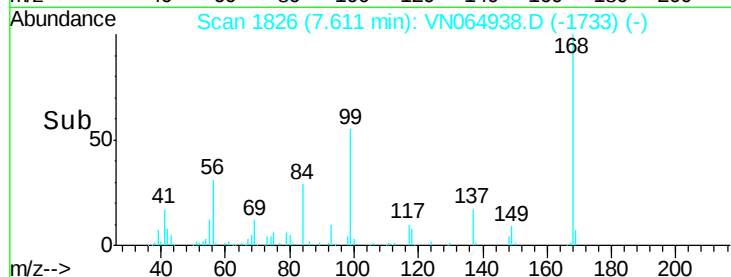
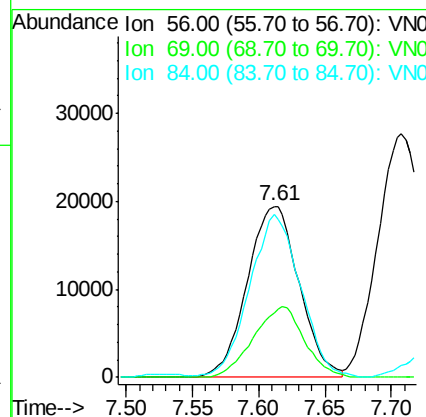
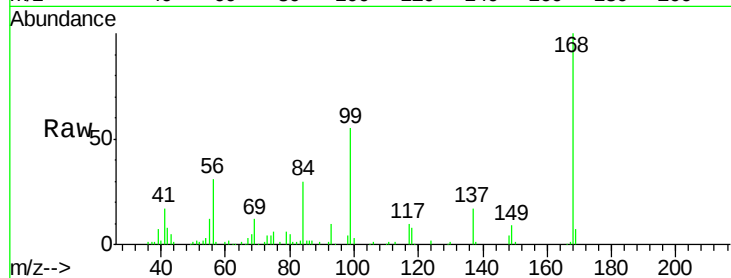
ClientSampled :

VN1207WBSD01

Tot Ion:	56	Resp:	52783
Ion	Ratio	Lower	Upper
56	100		
69	37.5	27.5	41.3
84	94.5	73.9	110.9

Manual Integrations
APPROVED

MMDadoda
12/8/2020 5:04:04 PM



#32

1,1,1-Trichloroethane

Concen: 17.888 ug/l

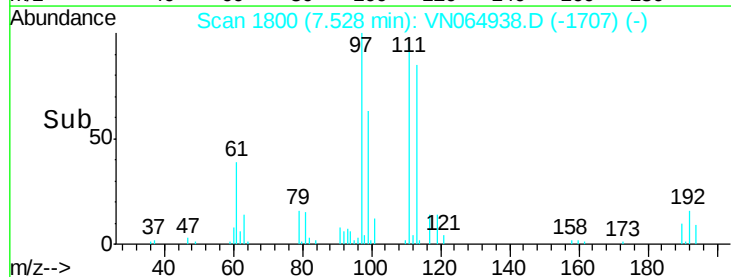
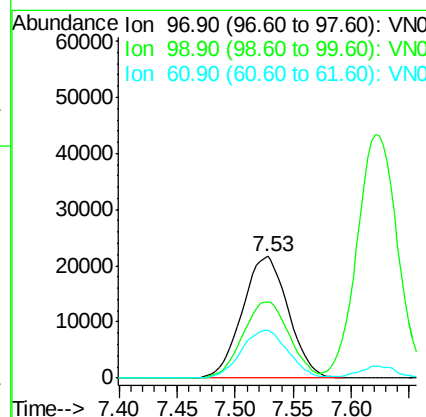
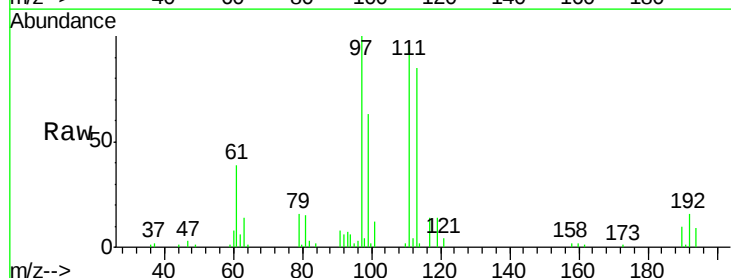
RT: 7.53 min Scan# 1800

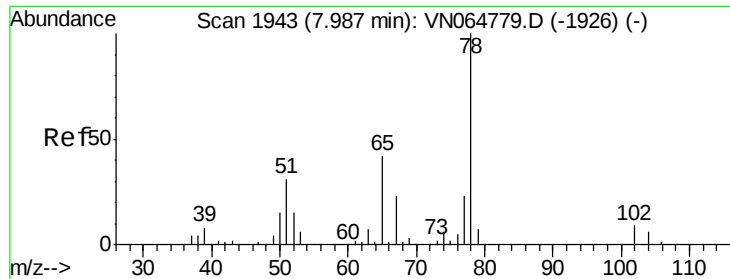
Delta R.T. 0.00 min

Lab File: VN064938.D

Acq: 7 Dec 2020 12:23

Tgt Ion:	97	Resp:	59613
Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.7	77.5
61	40.3	33.9	50.9





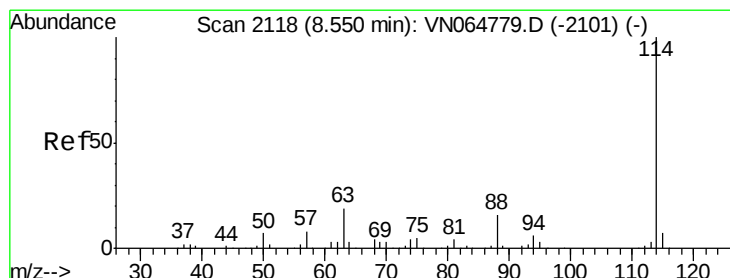
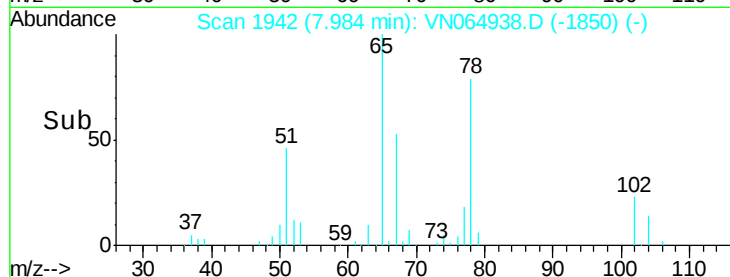
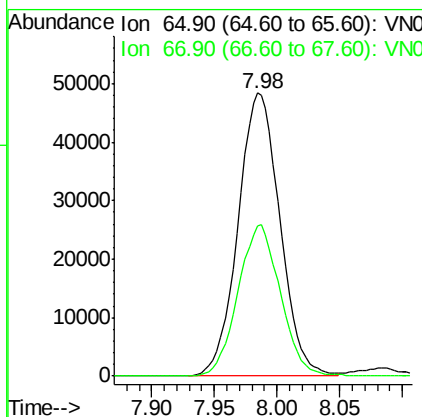
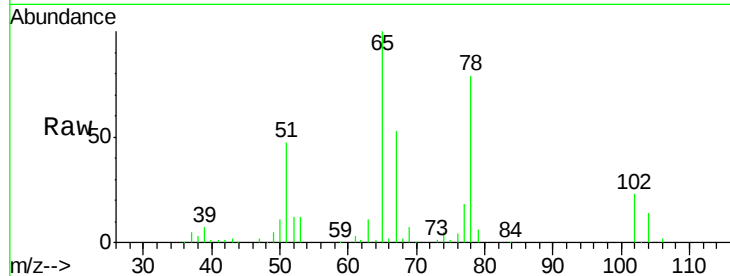
#33
 1,2-Dichloroethane-d4
 Concen: 49.158 ug/l
 RT: 7.98 min Scan# 1942
 Delta R.T. -0.00 min
 Lab File: VN064938.D
 Acq: 7 Dec 2020 12:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.0	0.0	108.2	

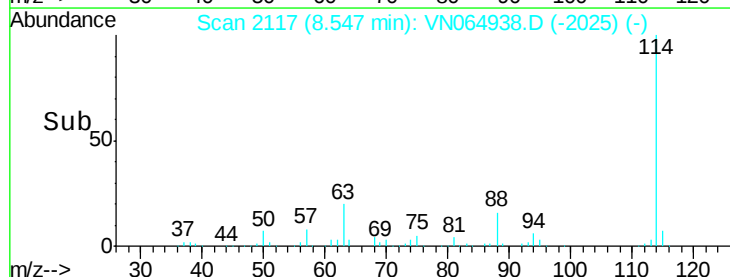
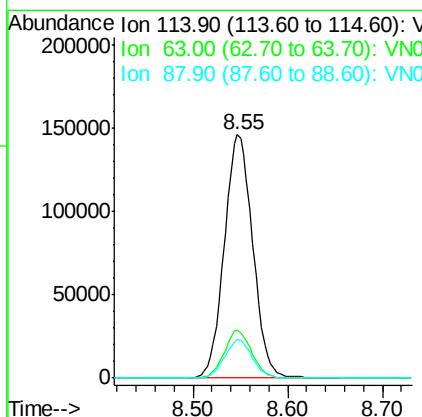
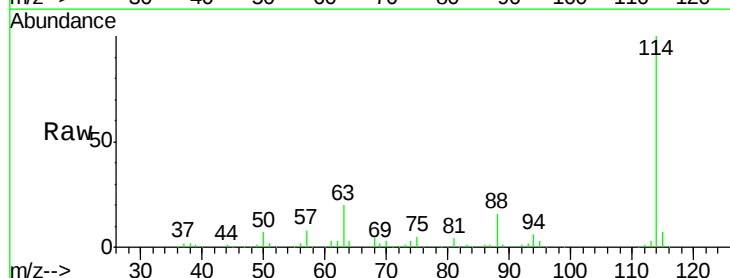
Manual Integrations
 APPROVED

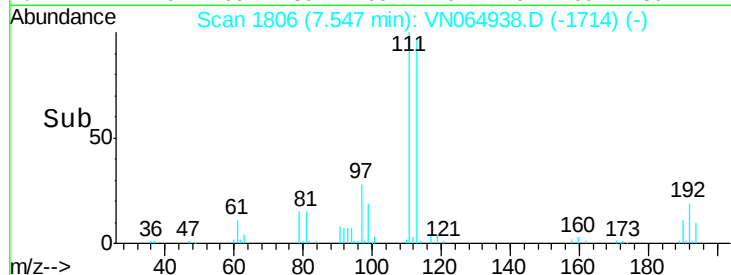
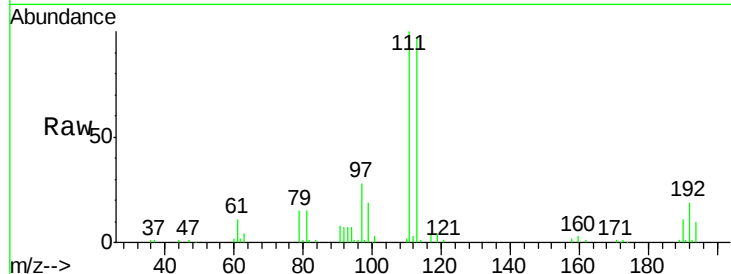
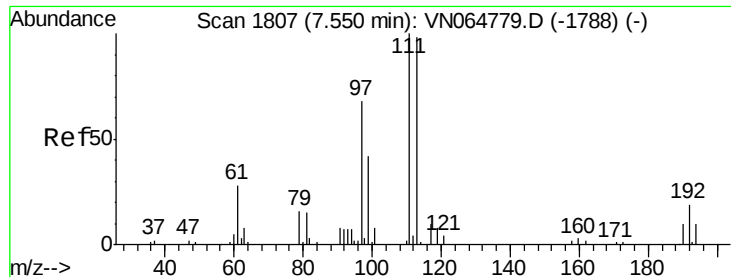
MMDadoda
 12/8/2020 5:04:04 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VN064938.D
 Acq: 7 Dec 2020 12:23

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.8	0.0	38.6	
88	15.8	0.0	32.6	





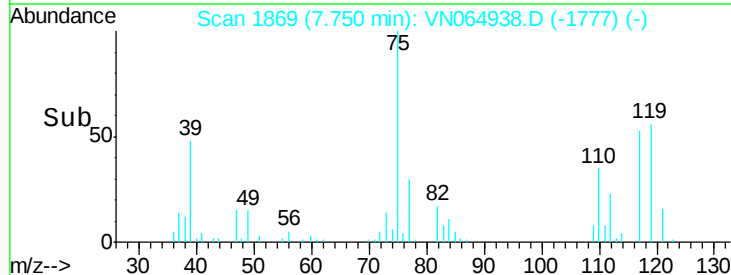
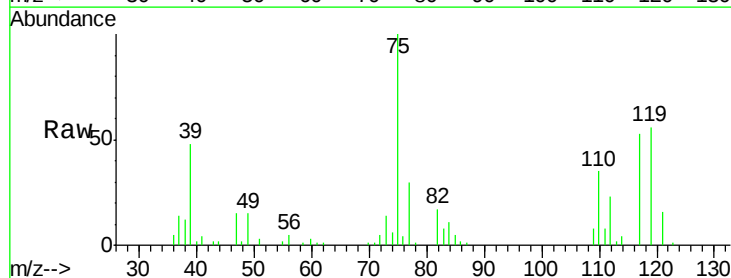
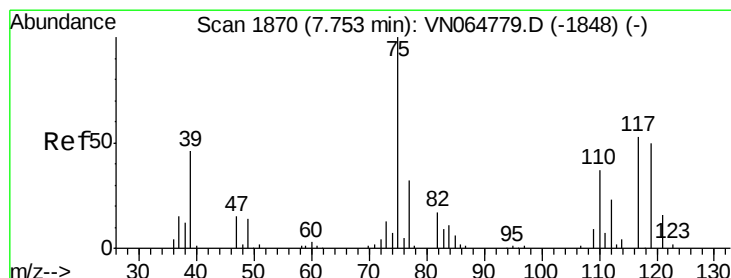
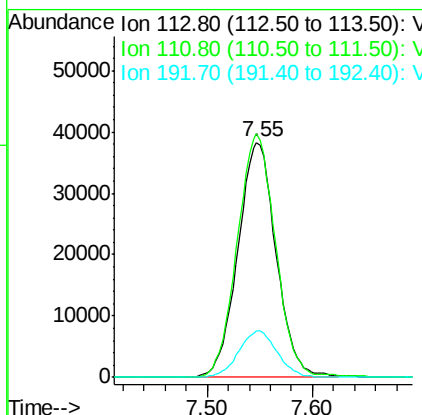
#35
Dibromofluoromethane
Concen: 52.829 ug/l
RT: 7.55 min Scan# 1806
Delta R.T. -0.00 min
Lab File: VN064938.D
Acq: 7 Dec 2020 12:23

Tot Ion	Ratio	Resp	Lower	Upper
113	100	96253		
111	104.2	81.6	122.4	
192	19.8	16.2	24.2	

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD01

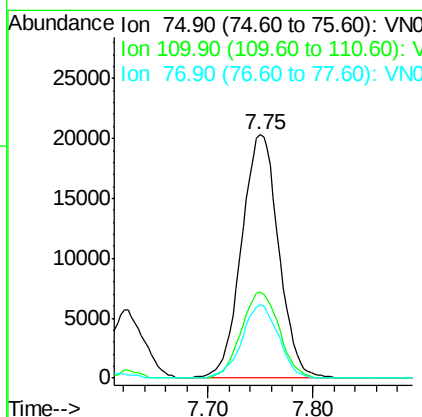
Manual Integrations
APPROVED

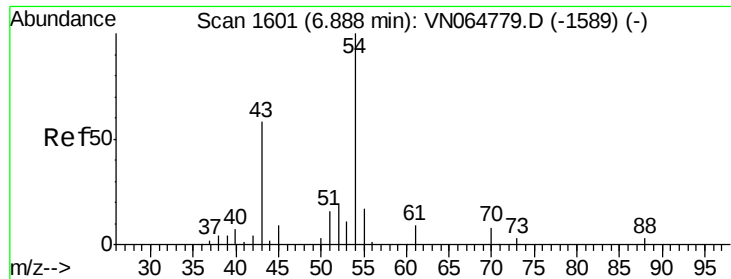
MMDadoda
12/8/2020 5:04:04 PM



#36
1,1-Dichloropropene
Concen: 17.648 ug/l
RT: 7.75 min Scan# 1869
Delta R.T. -0.00 min
Lab File: VN064938.D
Acq: 7 Dec 2020 12:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	49808		
110	36.0	17.8	53.3	
77	29.6	25.0	37.4	





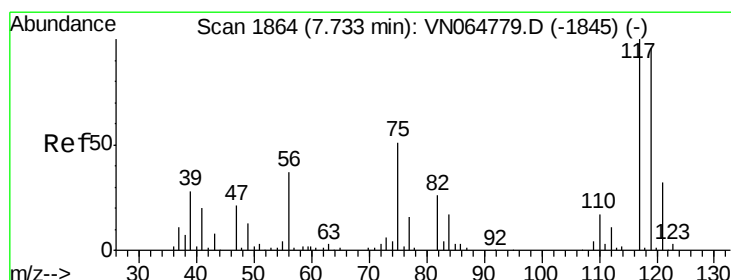
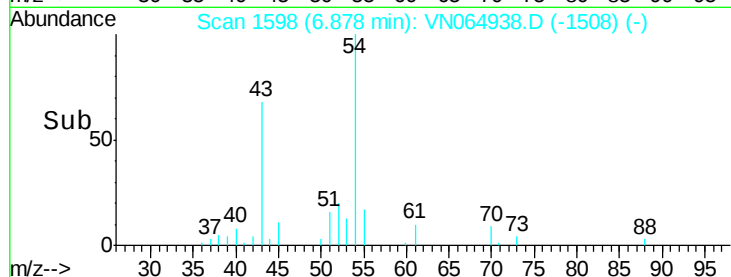
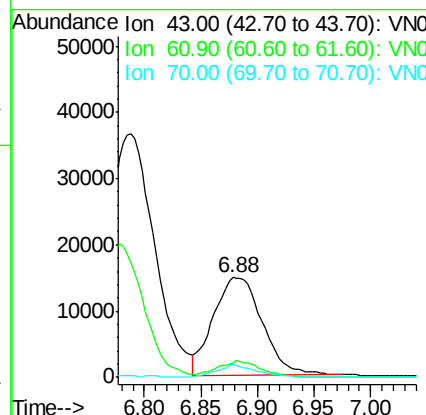
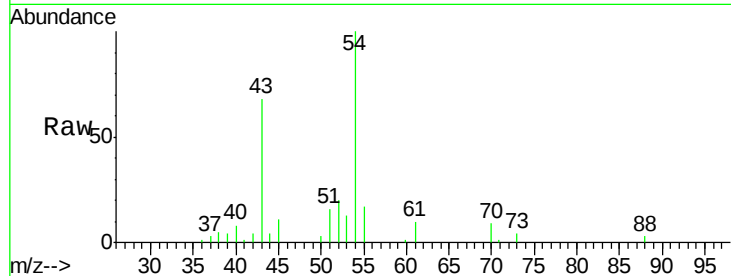
#37
Ethyl Acetate
Concen: 16.556 ug/l
RT: 6.88 min Scan# 1598
Delta R.T. -0.01 min
Lab File: VN064938.D
Acq: 7 Dec 2020 12:23

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	12.8	19.2
70	10.4	8.8	13.2

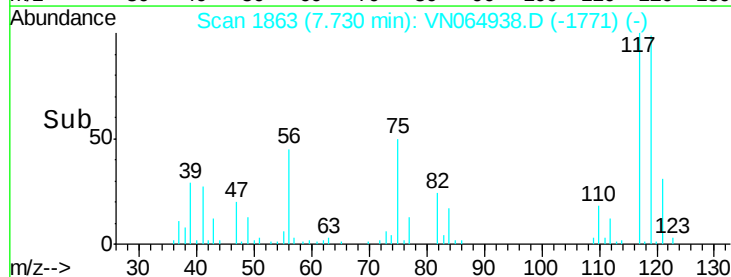
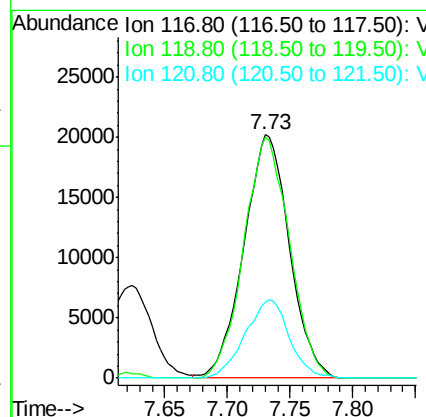
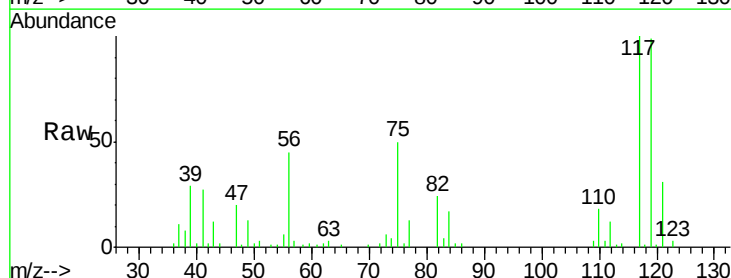
Manual Integrations
APPROVED

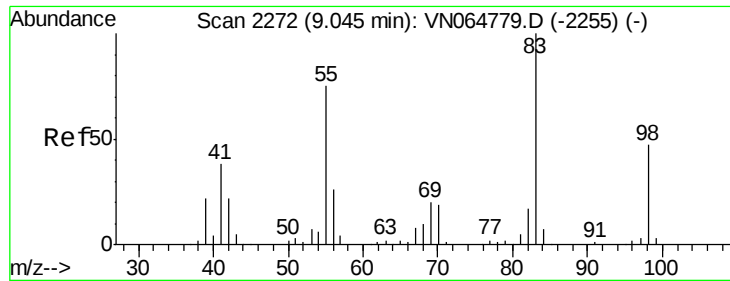
MMDadoda
12/8/2020 5:04:04 PM



#38
Carbon Tetrachloride
Concen: 17.389 ug/l
RT: 7.73 min Scan# 1863
Delta R.T. -0.00 min
Lab File: VN064938.D
Acq: 7 Dec 2020 12:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.2	76.7	115.1
121	31.4	25.4	38.2





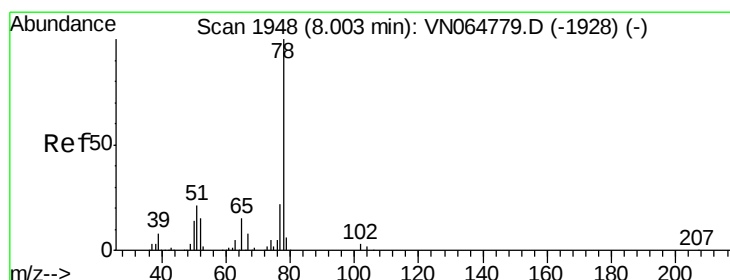
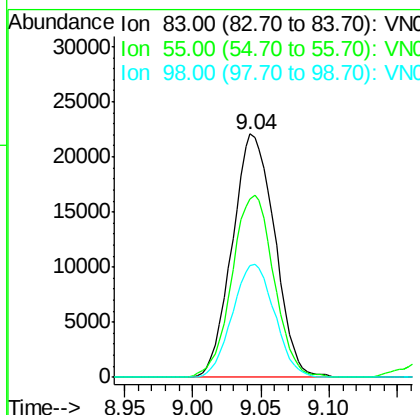
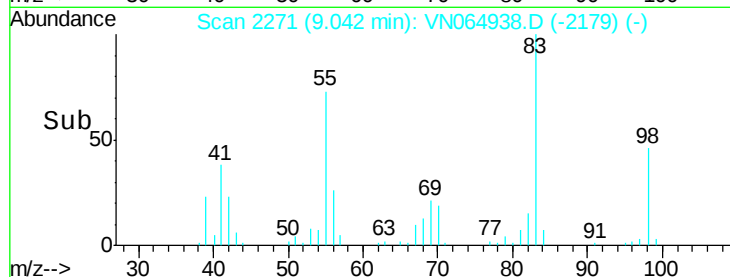
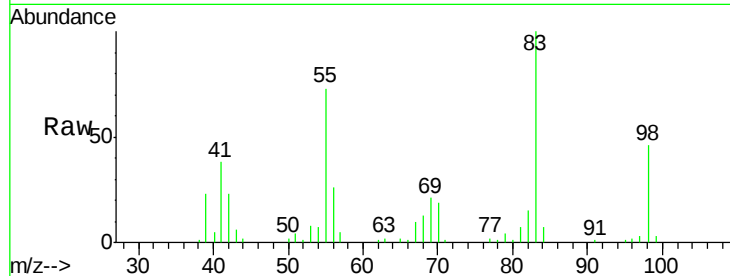
#39
Methvlcvclohexane
Concen: 15.727 ug/l
RT: 9.04 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VN064938.D
Acq: 7 Dec 2020 12:23

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.4	60.2	90.2
98	45.7	37.4	56.2

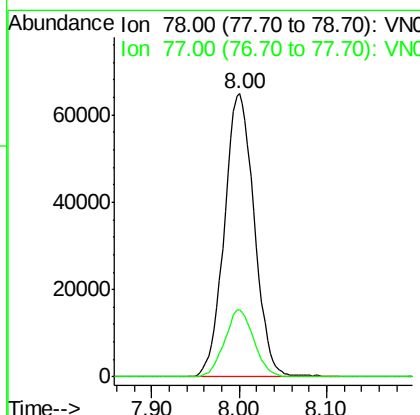
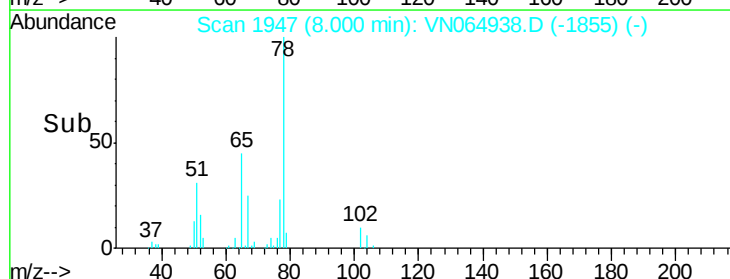
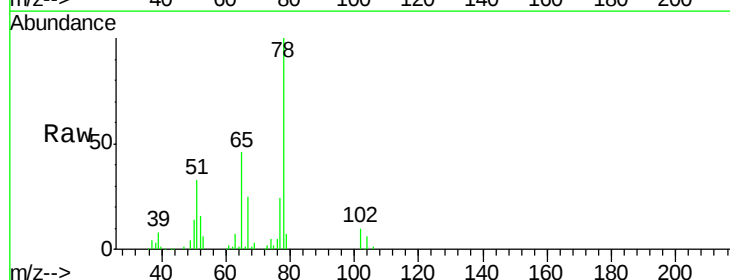
Manual Integrations
APPROVED

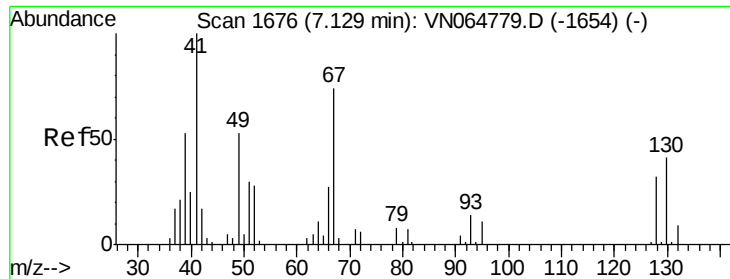
MMDadoda
12/8/2020 5:04:04 PM



#40
Benzene
Concen: 17.755 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN064938.D
Acq: 7 Dec 2020 12:23

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	17.9	26.9





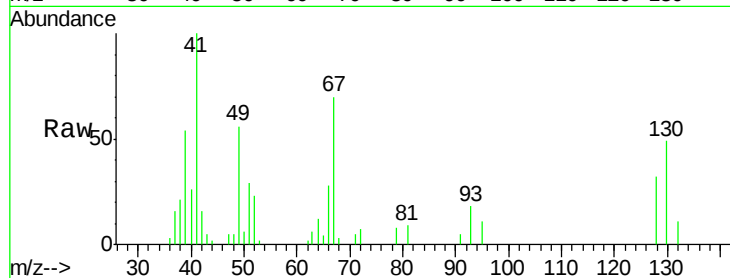
#41
Methacrylonitrile
Concen: 17.204 ug/l
RT: 7.13 min Scan# 1675
Delta R.T. -0.00 min
Lab File: VN064938.D
Acq: 7 Dec 2020 12:23

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD01

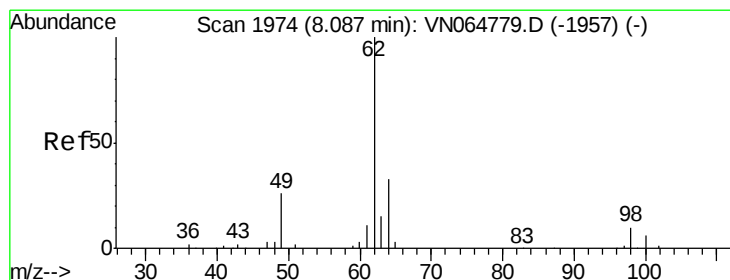
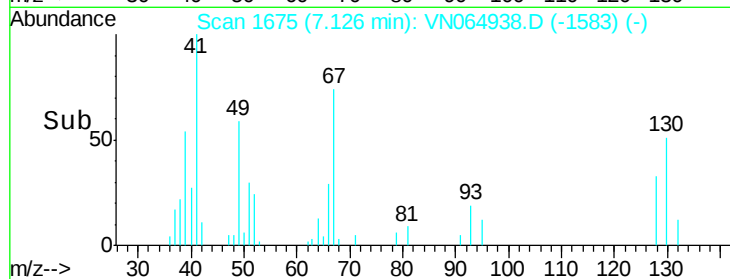
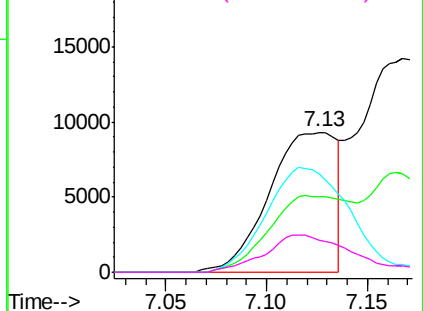
Tot Ion	Ion	Ratio	Lower	Upper
21581	41	100		
	39	67.0	51.0	76.6
	67	92.8	79.8	119.8
	52	34.7	31.5	47.3

Manual Integrations
APPROVED

MMDadoda
12/8/2020 5:04:04 PM

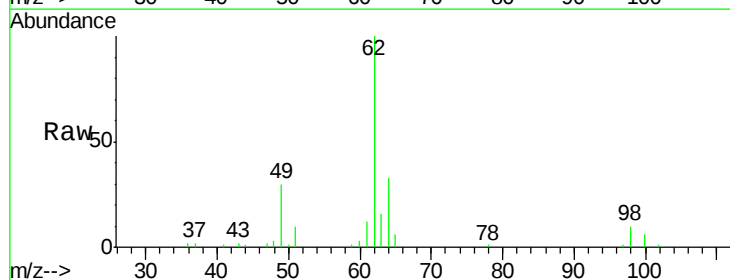


Abundance Ion 41.00 (40.70 to 41.70): VN064938.D (-1583) (-)
Ion 39.00 (38.70 to 39.70): VN064938.D (-1583) (-)
Ion 67.00 (66.70 to 67.70): VN064938.D (-1583) (-)
Ion 52.00 (51.70 to 52.70): VN064938.D (-1583) (-)

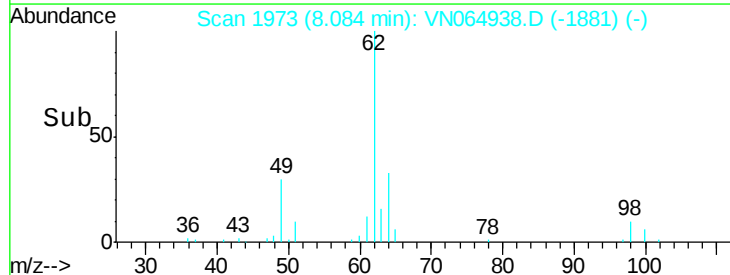
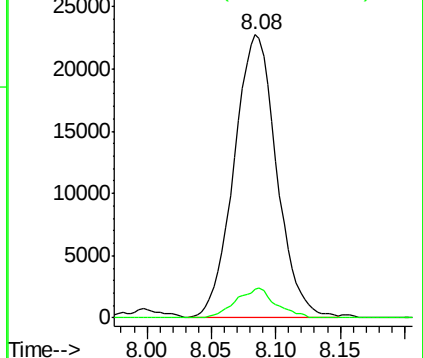


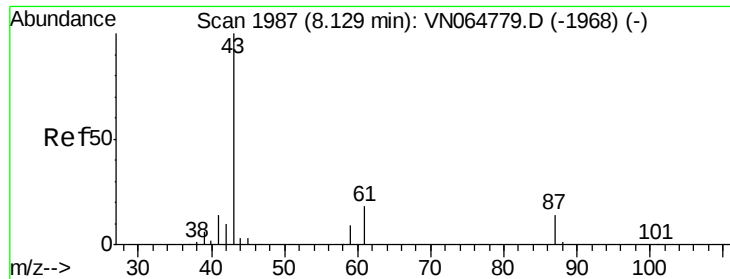
#42
1,2-Dichloroethane
Concen: 17.974 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN064938.D
Acq: 7 Dec 2020 12:23

Tgt Ion	Ion	Ratio	Lower	Upper
52439	62	100		
	98	9.8	0.0	19.6



Abundance Ion 61.90 (61.60 to 62.60): VN064938.D (-1881) (-)
Ion 97.90 (97.60 to 98.60): VN064938.D (-1881) (-)





#43

Isopropyl Acetate

Concen: 17.285 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN064938.D

Acq: 7 Dec 2020 12:23

Instrument :

MSVOA_N

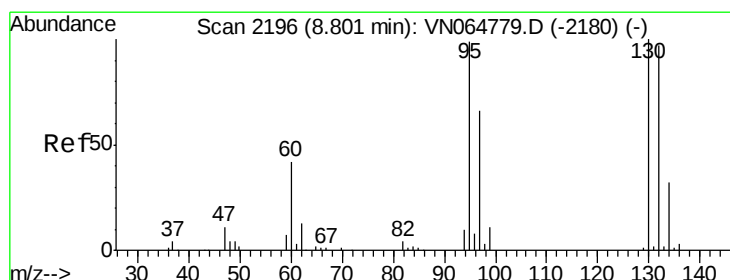
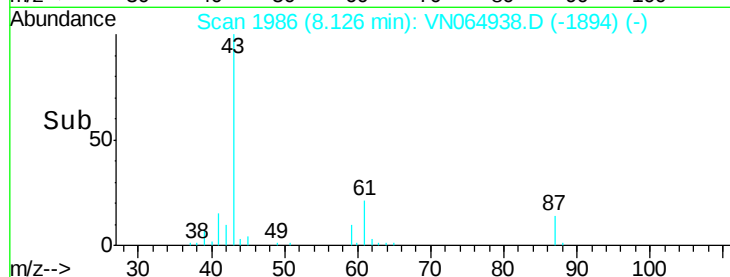
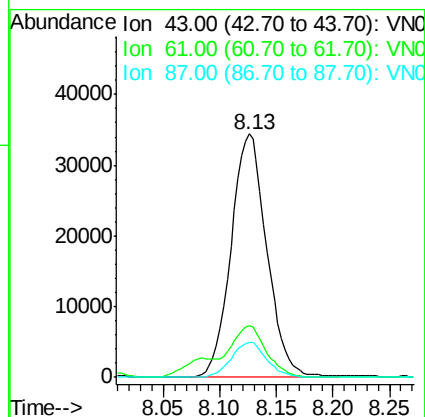
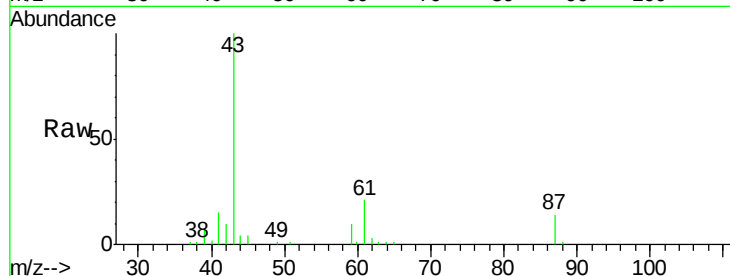
ClientSampleId :

VN1207WBSD01

Tot Ion:	43	Resp:	75616
Ion	Ratio	Lower	Upper
43	100		
61	21.0	17.2	25.8
87	14.1	11.4	17.0

Manual Integrations
APPROVED

MMDadoda
12/8/2020 5:04:04 PM



#44

Trichloroethene

Concen: 17.466 ug/l

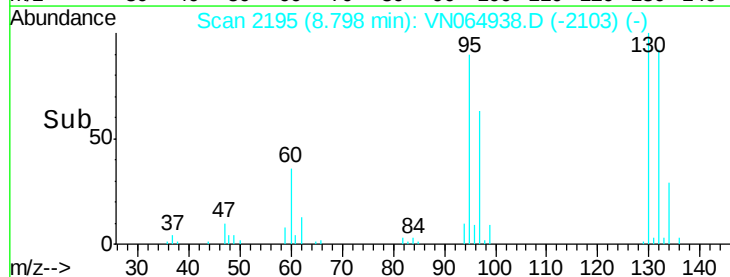
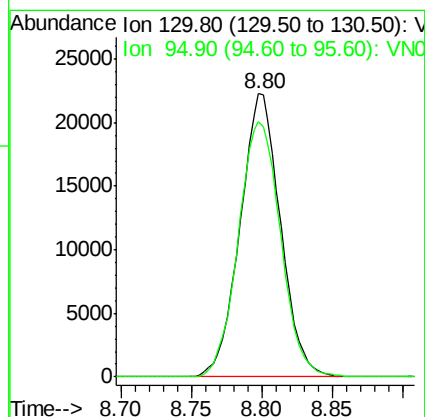
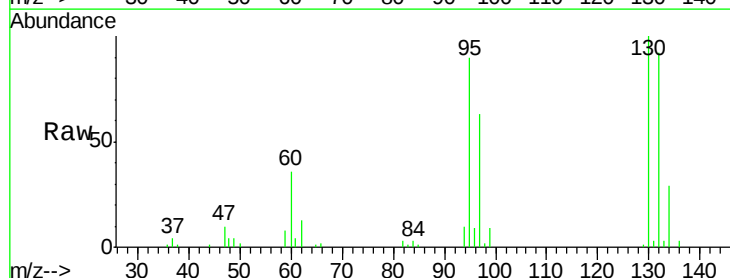
RT: 8.80 min Scan# 2195

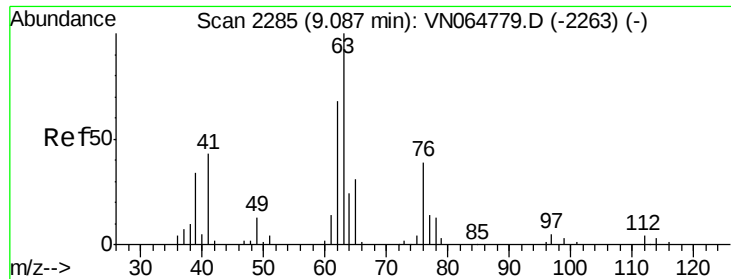
Delta R.T. -0.00 min

Lab File: VN064938.D

Acq: 7 Dec 2020 12:23

Tgt Ion:	130	Resp:	44568
Ion	Ratio	Lower	Upper
130	100		
95	90.3	0.0	197.8





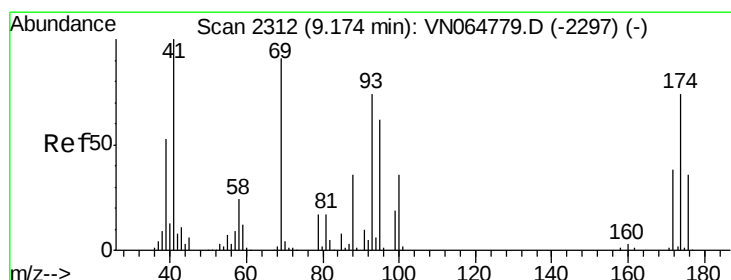
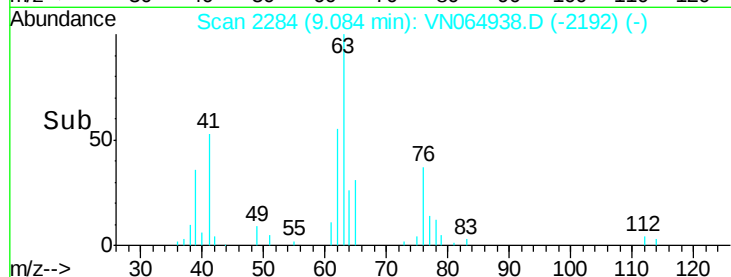
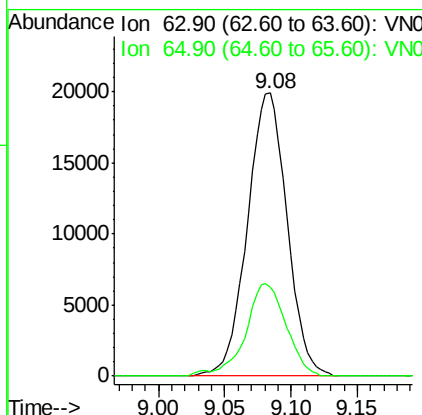
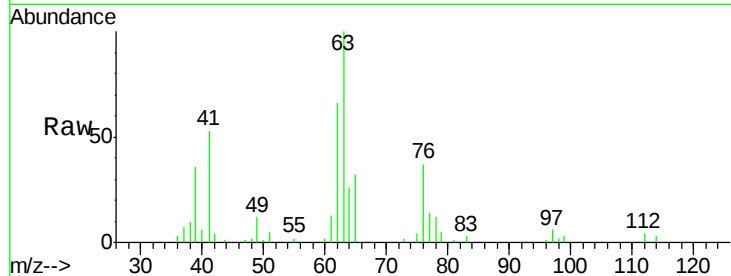
#45
 1,2-Dichloropropane
 Concen: 18.545 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN064938.D
 Acq: 7 Dec 2020 12:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBSD01

Tot Ion: 63 Resp: 41535
 Ion Ratio Lower Upper
 63 100
 65 31.6 25.0 37.4

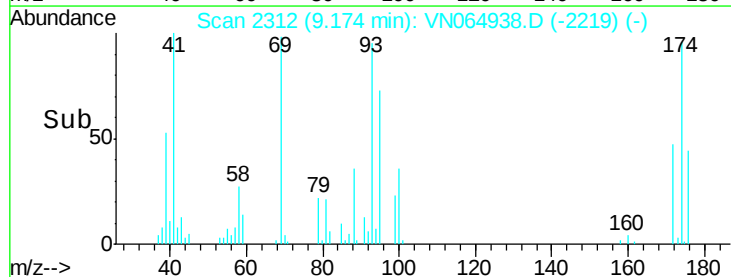
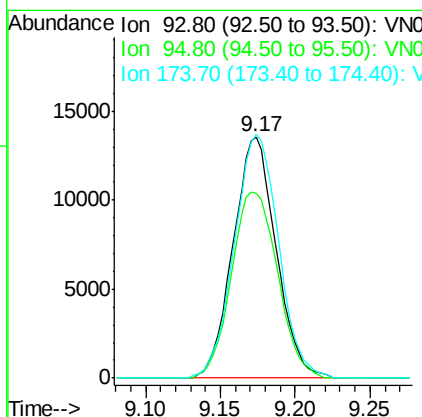
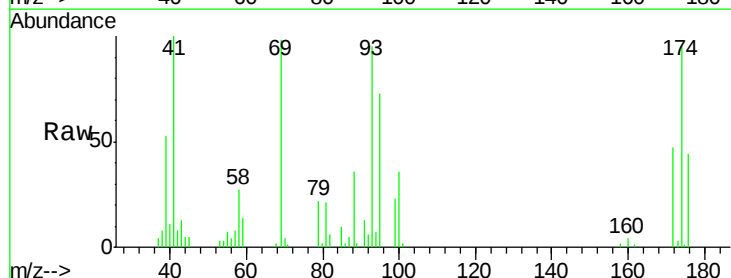
Manual Integrations
 APPROVED

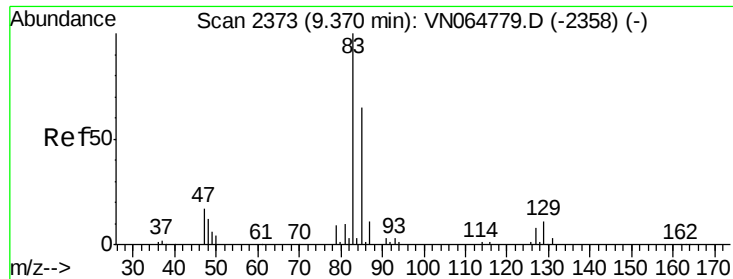
MMDadoda
 12/8/2020 5:04:04 PM



#46
 Dibromomethane
 Concen: 18.093 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN064938.D
 Acq: 7 Dec 2020 12:23

Tgt Ion: 93 Resp: 27072
 Ion Ratio Lower Upper
 93 100
 95 82.9 68.8 103.2
 174 104.3 83.1 124.7





#47

Bromodichloromethane

Concen: 17.701 ug/l

RT: 9.37 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN064938.D

Acq: 7 Dec 2020 12:23

Instrument :

MSVOA_N

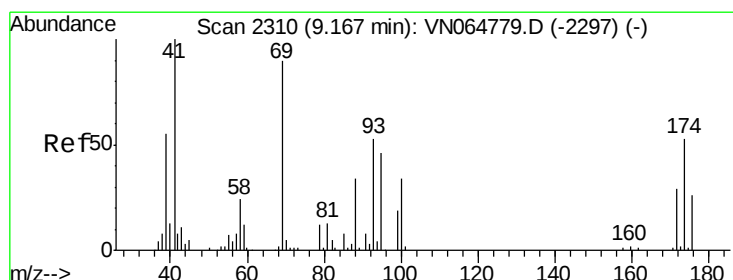
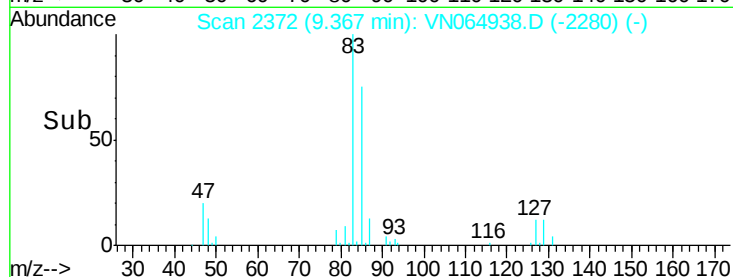
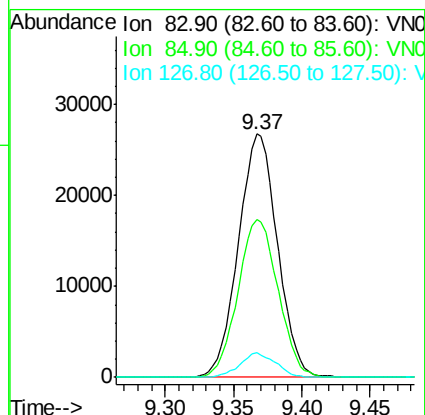
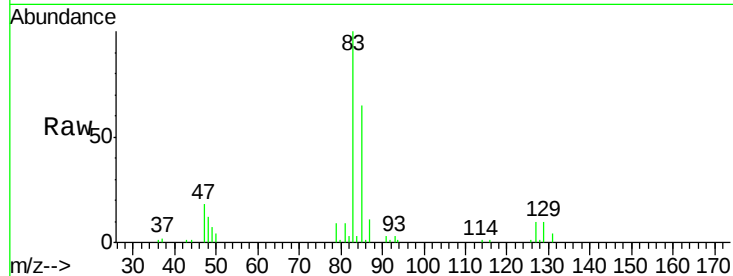
ClientSampled :

VN1207WBSD01

Tot Ion:	83	Resp:	53292
Ion Ratio	Lower	Upper	
83	100		
85	64.6	51.8	77.8
127	10.1	6.8	10.2

Manual Integrations
APPROVED

MMDadoda
12/8/2020 5:04:04 PM



#48

Methyl methacrylate

Concen: 16.533 ug/l

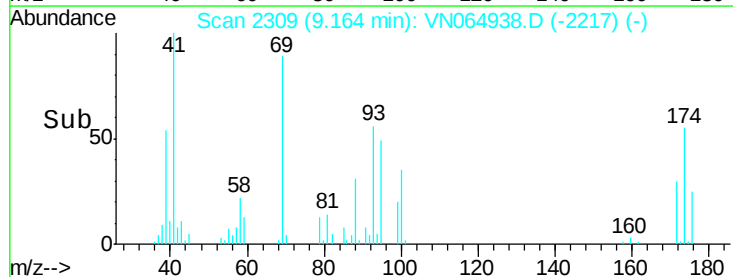
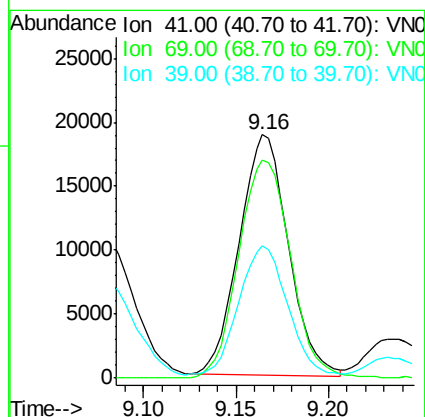
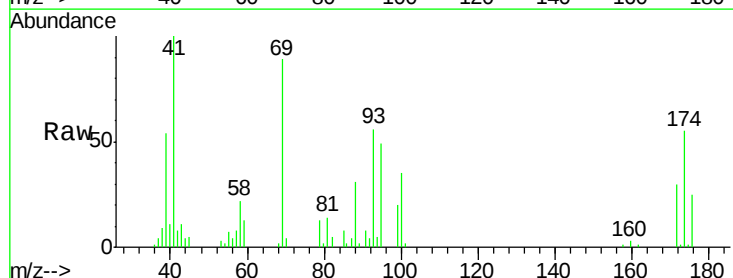
RT: 9.16 min Scan# 2309

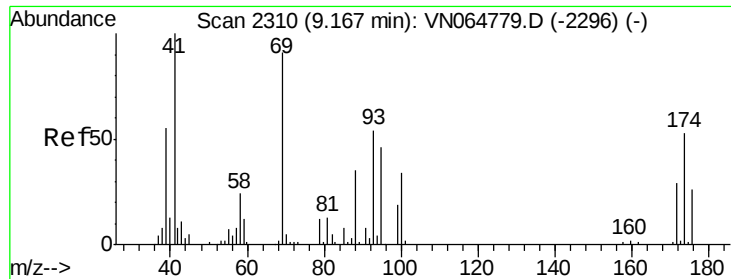
Delta R.T. -0.00 min

Lab File: VN064938.D

Acq: 7 Dec 2020 12:23

Tgt Ion:	41	Resp:	34559
Ion Ratio	Lower	Upper	
41	100		
69	96.2	71.8	107.8
39	56.2	44.1	66.1





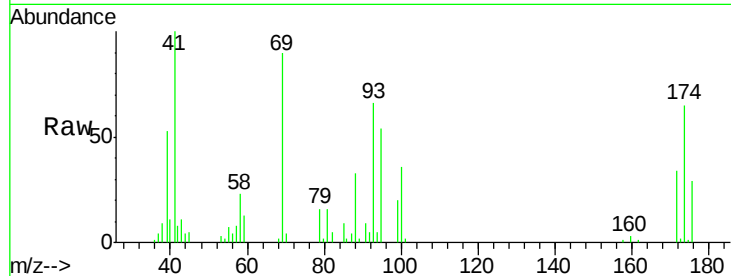
#49
1,4-Dioxane
Concen: 322.642 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN064938.D
Acq: 7 Dec 2020 12:23

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.8	24.2	36.4
58	70.6	52.5	78.7

Manual Integrations
APPROVED

MMDadoda
12/8/2020 5:04:04 PM

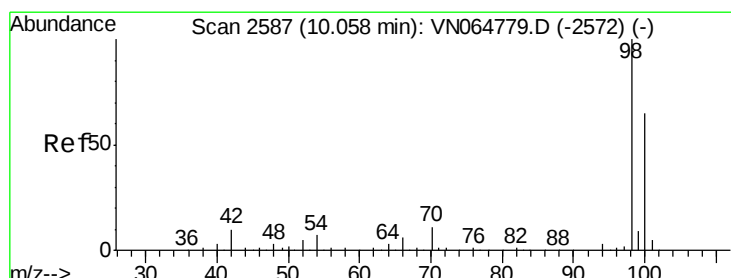
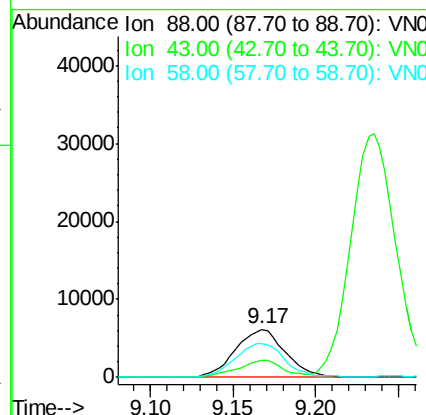
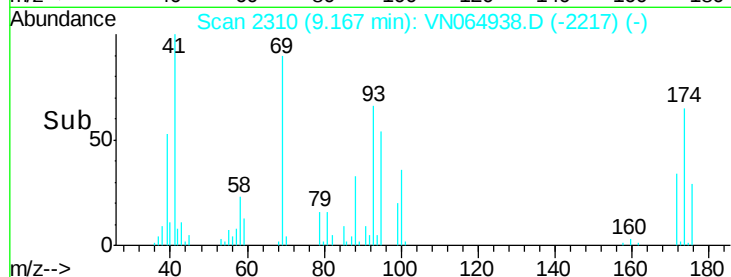


Abundance

Ion 88.00 (87.70 to 88.70): VN064938.D (-2217) (-)

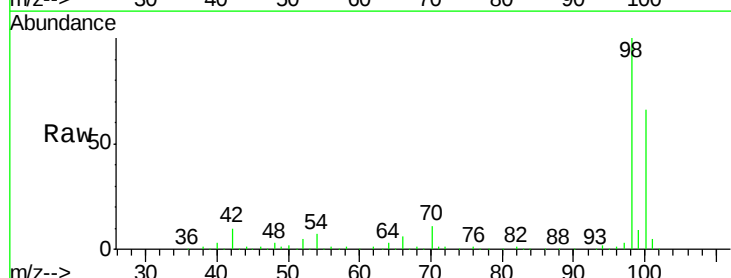
Ion 43.00 (42.70 to 43.70): VN064938.D (-2217) (-)

Ion 58.00 (57.70 to 58.70): VN064938.D (-2217) (-)



#50
Toluene-d8
Concen: 49.094 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN064938.D
Acq: 7 Dec 2020 12:23

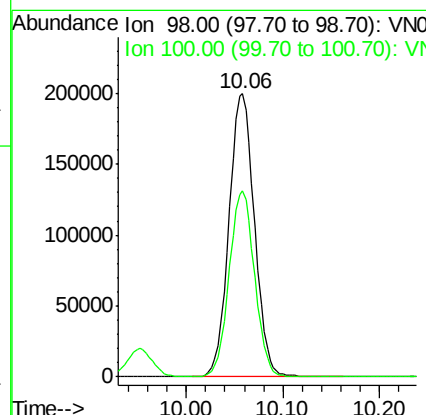
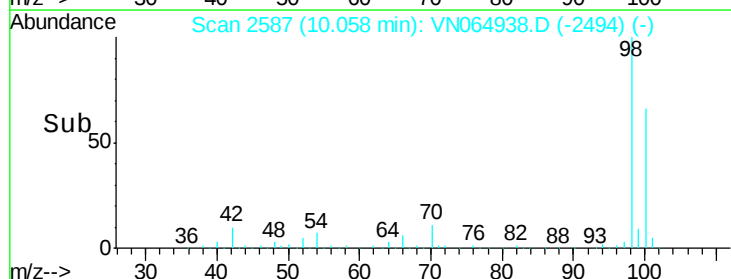
Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.5	51.7	77.5



Abundance

Ion 98.00 (97.70 to 98.70): VN064938.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN064938.D (-2494) (-)





#51

4-Methyl-2-Pentanone

Concen: 86.850 ug/l

RT: 9.95 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN064938.D

Acq: 7 Dec 2020 12:23

Instrument :

MSVOA_N

ClientSampleId :

VN1207WBSD01

Tot Ion: 43 Resp: 228093

Ion Ratio Lower Upper

43 100

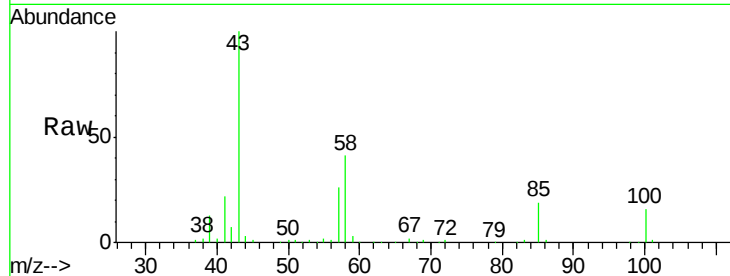
58 40.1 32.4 48.6

Manual Integrations

APPROVED

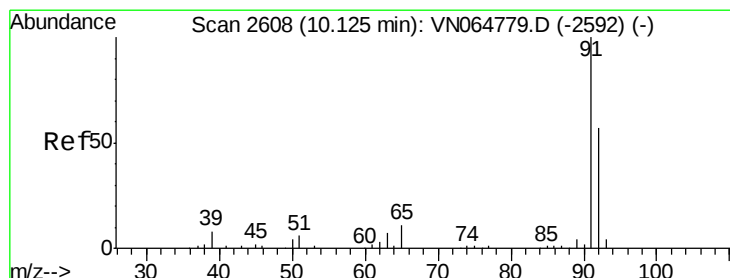
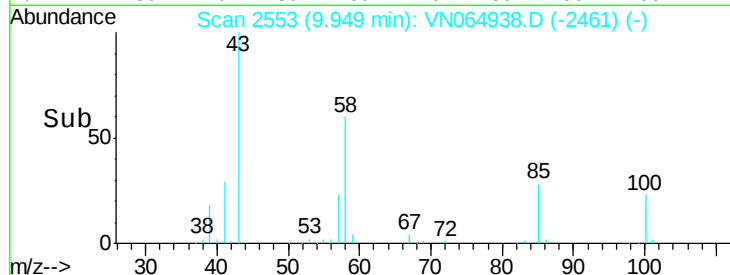
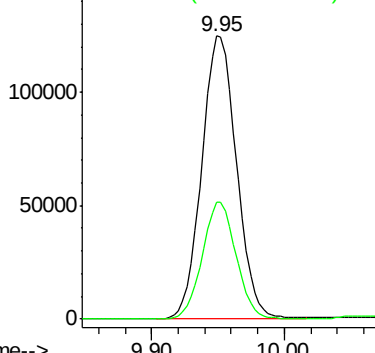
MMDadoda

12/8/2020 5:04:04 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 18.091 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064938.D

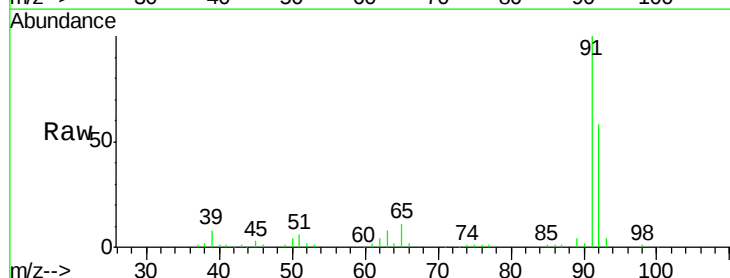
Acq: 7 Dec 2020 12:23

Tgt Ion: 92 Resp: 96355

Ion Ratio Lower Upper

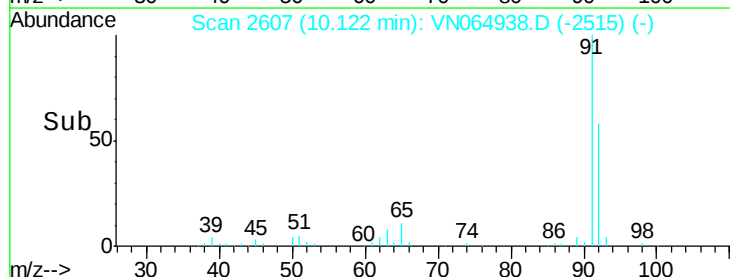
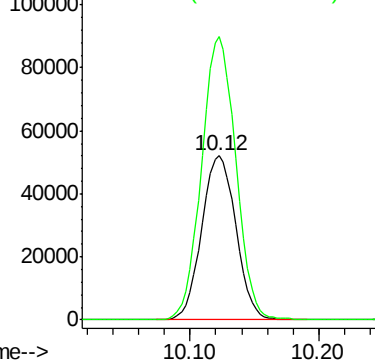
92 100

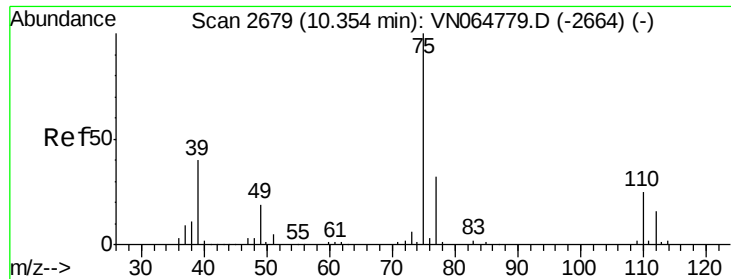
91 172.0 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





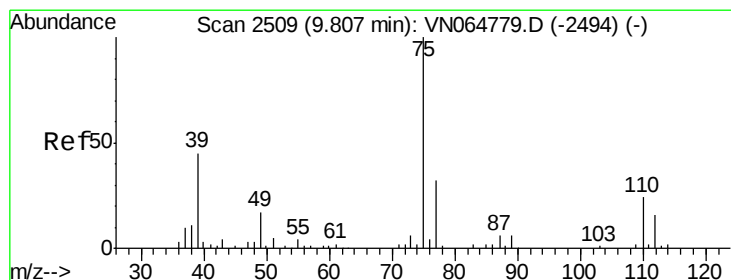
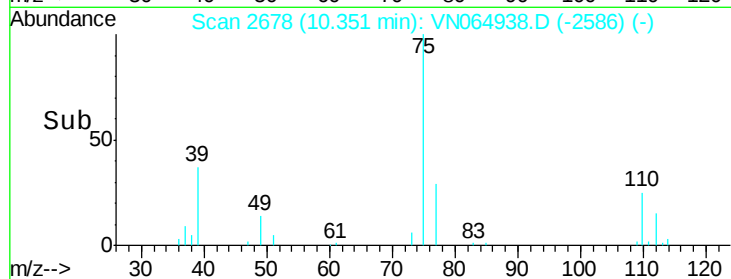
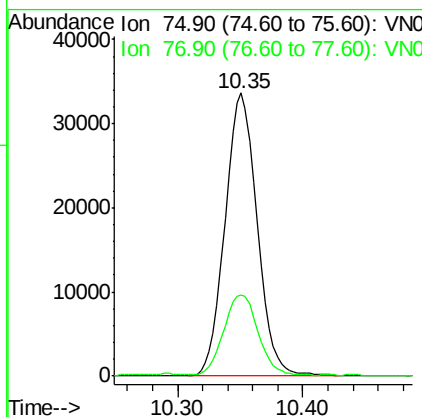
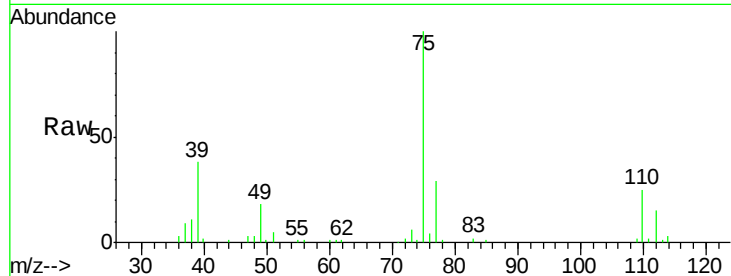
#53
t-1,3-Dichloropropene
Concen: 17.855 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN064938.D
Acq: 7 Dec 2020 12:23

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD01

Tot Ion: 75 Resp: 59872
Ion Ratio Lower Upper
75 100
77 28.8 25.8 38.6

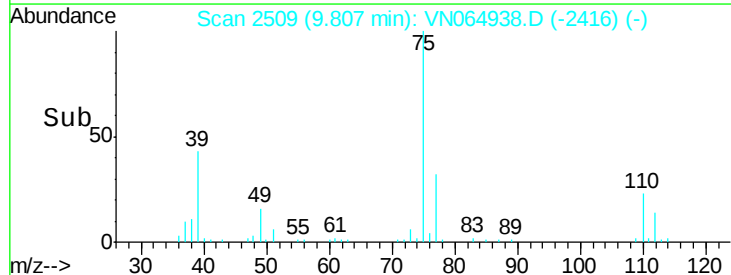
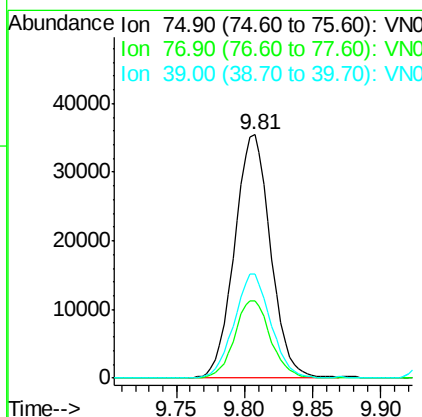
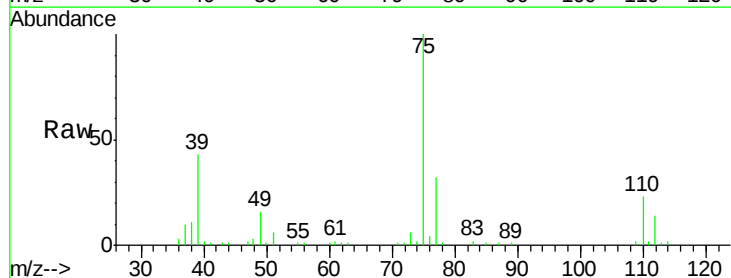
Manual Integrations
APPROVED

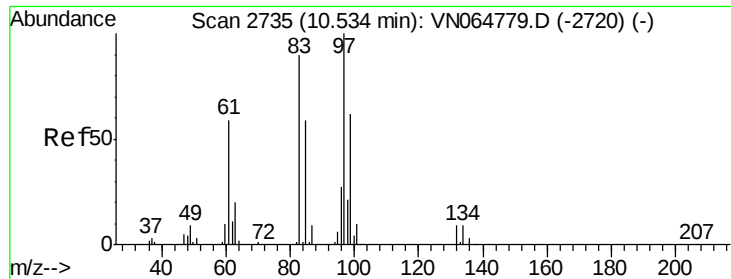
MMDadoda
12/8/2020 5:04:04 PM



#54
cis-1,3-Dichloropropene
Concen: 18.114 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN064938.D
Acq: 7 Dec 2020 12:23

Tgt Ion: 75 Resp: 65107
Ion Ratio Lower Upper
75 100
77 31.8 25.5 38.3
39 42.6 35.6 53.4





#55

1,1,2-Trichloroethane

Concen: 18.395 ug/l

RT: 10.53 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VN064938.D

Acq: 7 Dec 2020 12:23

Instrument :

MSVOA_N

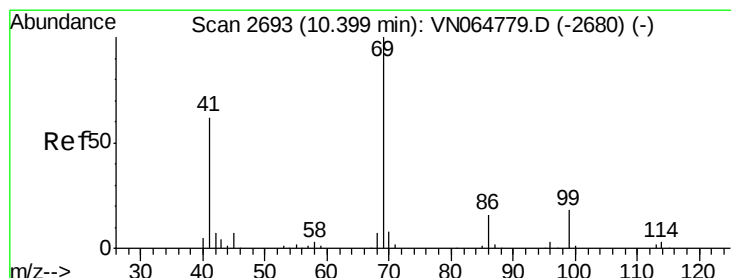
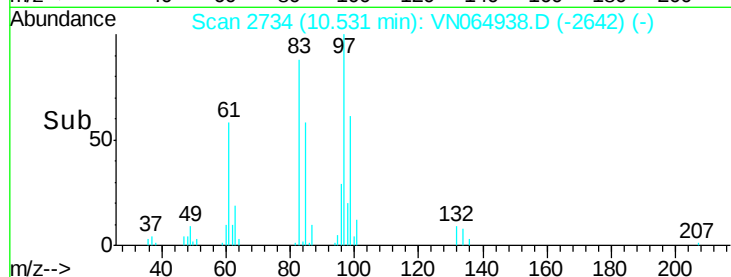
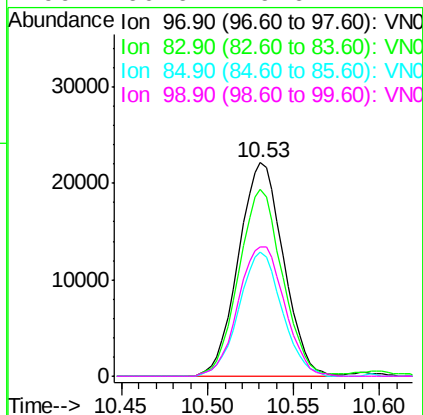
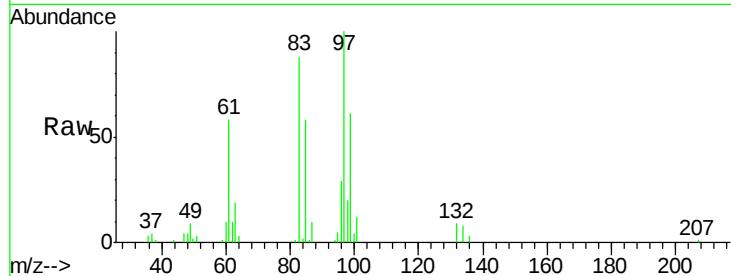
ClientSampleId :

VN1207WBSD01

Tot Ion:	97	Resp:	40287
Ion	Ratio	Lower	Upper
97	100		
83	87.7	72.1	108.1
85	58.3	46.8	70.2
99	60.6	49.6	74.4

Manual Integrations
APPROVED

MMDadoda
12/8/2020 5:04:04 PM



#56

Ethyl methacrylate

Concen: 17.716 ug/l

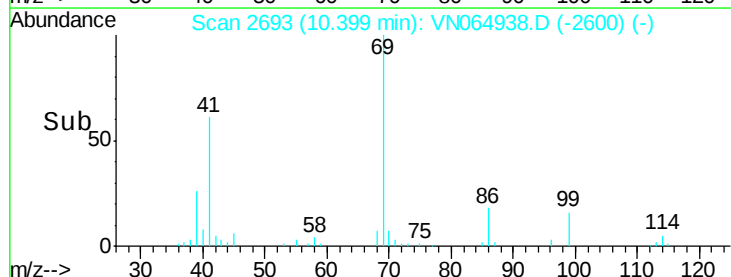
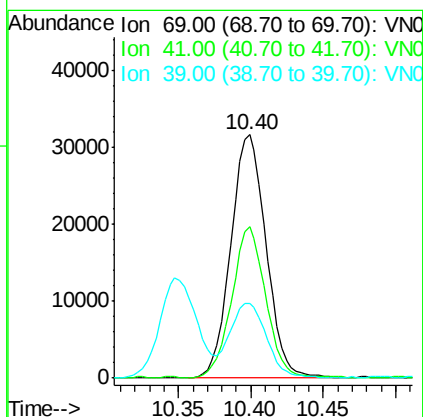
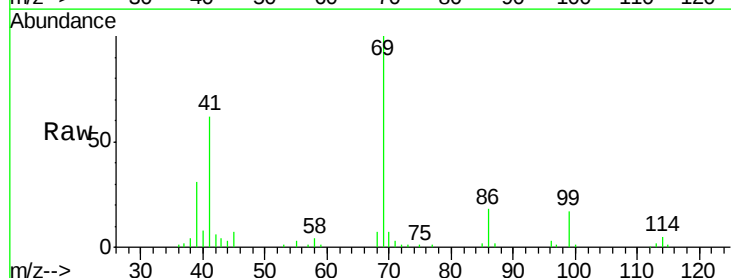
RT: 10.40 min Scan# 2693

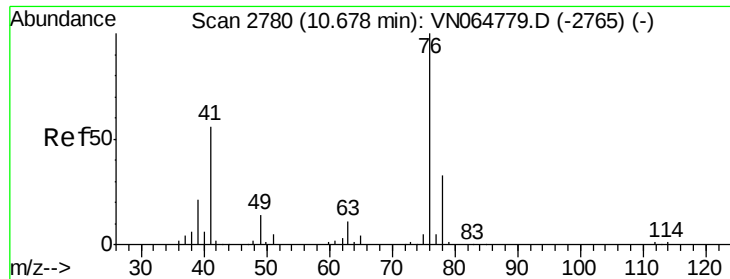
Delta R.T. 0.00 min

Lab File: VN064938.D

Acq: 7 Dec 2020 12:23

Tgt Ion:	69	Resp:	53545
Ion	Ratio	Lower	Upper
69	100		
41	59.7	49.4	74.0
39	32.0	25.9	38.9





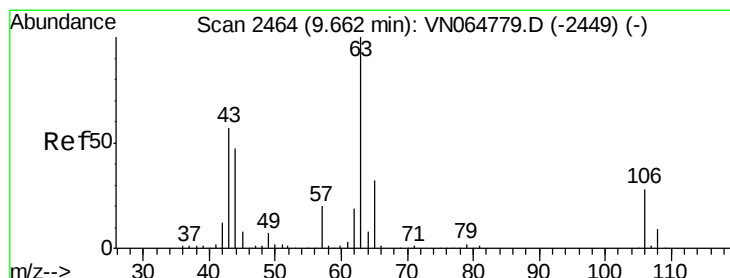
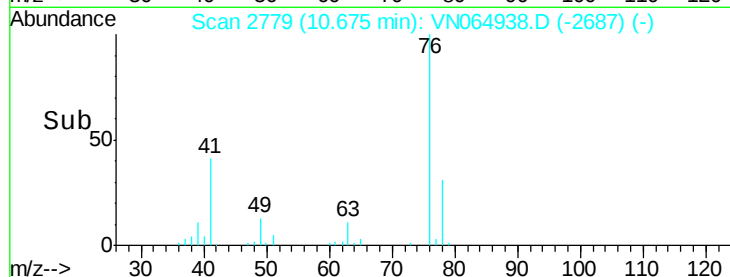
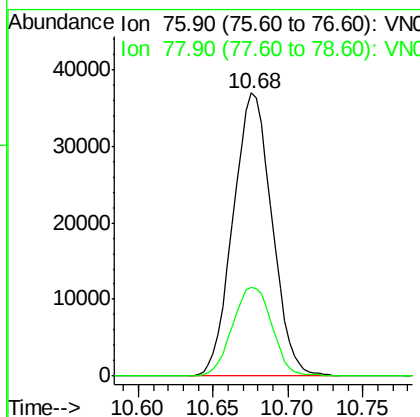
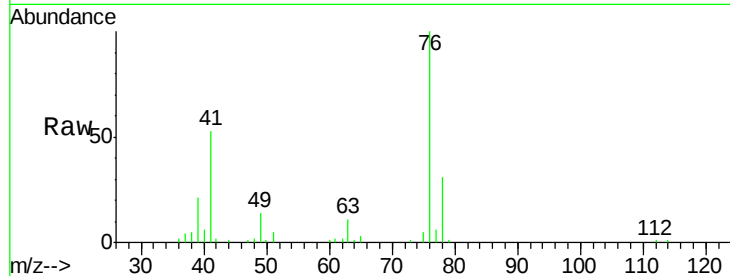
#57
 1,3-Dichloropropane
 Concen: 18.531 ug/l
 RT: 10.68 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN064938.D
 Acq: 7 Dec 2020 12:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBSD01

Tot Ion: 76 Resp: 66951
 Ion Ratio Lower Upper
 76 100
 78 32.0 26.1 39.1

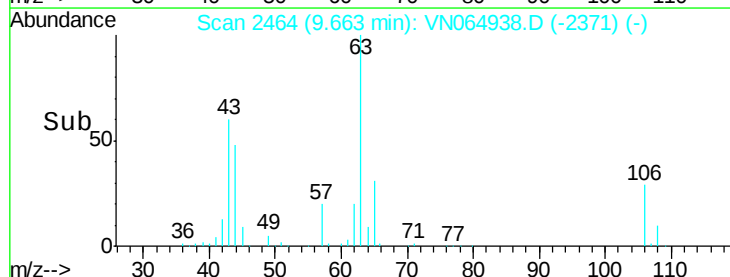
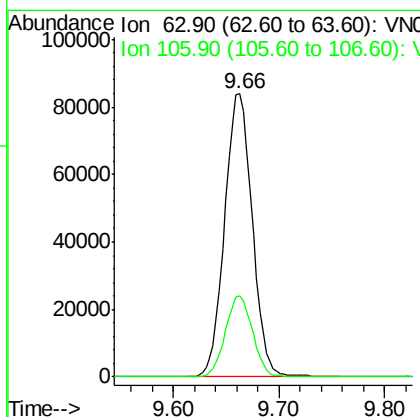
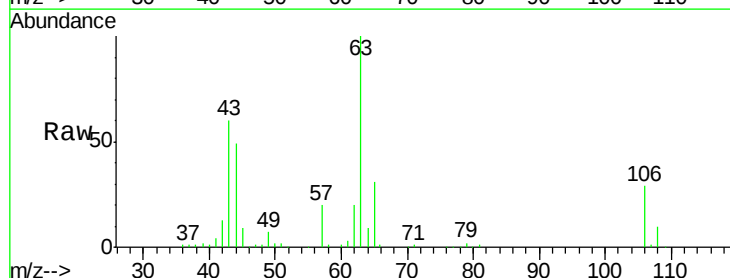
Manual Integrations
 APPROVED

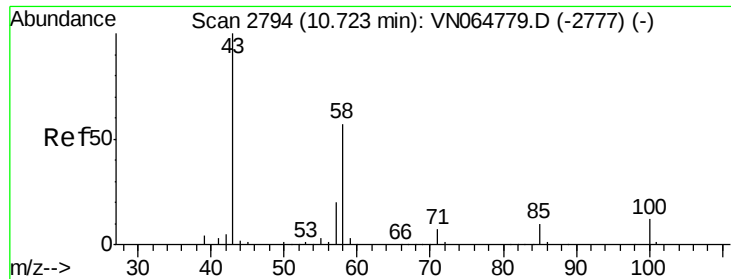
MMDadoda
 12/8/2020 5:04:04 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 91.557 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN064938.D
 Acq: 7 Dec 2020 12:23

Tgt Ion: 63 Resp: 152213
 Ion Ratio Lower Upper
 63 100
 106 28.2 22.7 34.1





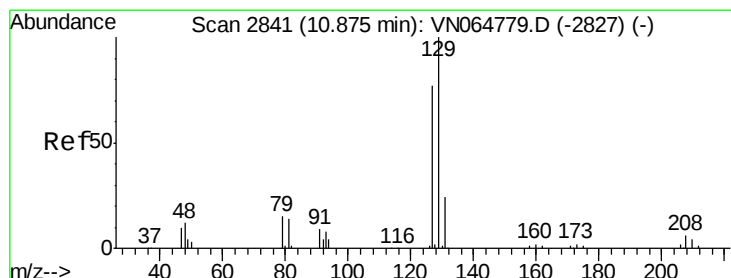
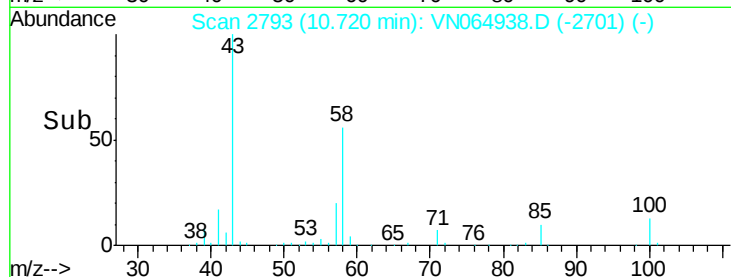
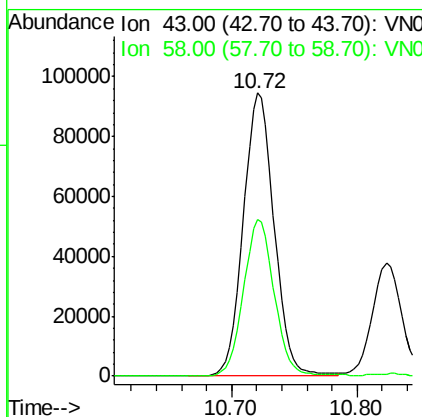
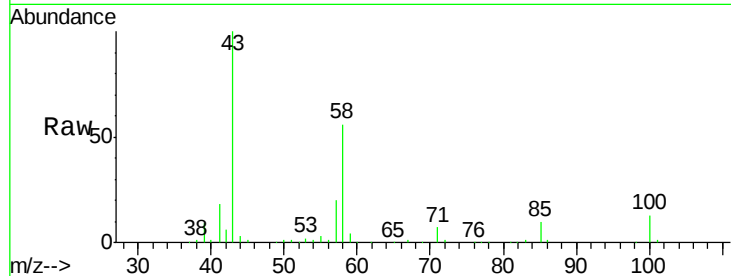
#59
2-Hexanone
Concen: 85.700 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN064938.D
Acq: 7 Dec 2020 12:23

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD01

Tot Ion: 43 Resp: 161982
Ion Ratio Lower Upper
43 100
58 55.3 28.3 84.9

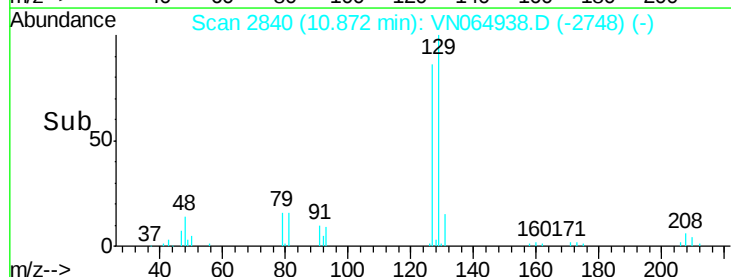
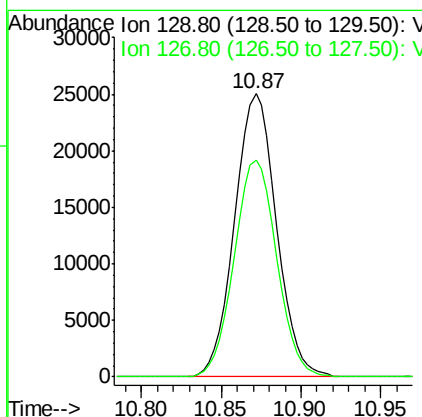
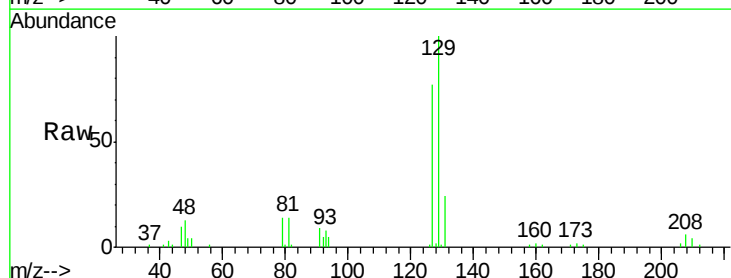
Manual Integrations
APPROVED

MMDadoda
12/8/2020 5:04:04 PM



#60
Dibromochloromethane
Concen: 18.300 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064938.D
Acq: 7 Dec 2020 12:23

Tgt Ion: 129 Resp: 44553
Ion Ratio Lower Upper
129 100
127 78.0 39.1 117.2





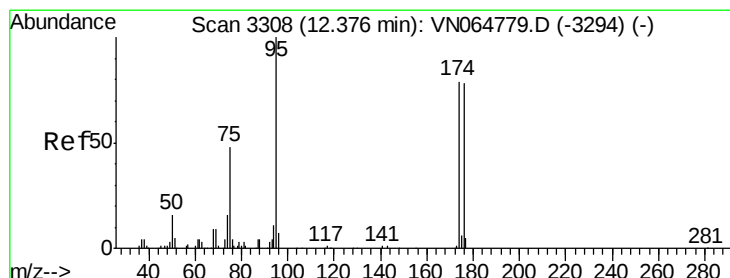
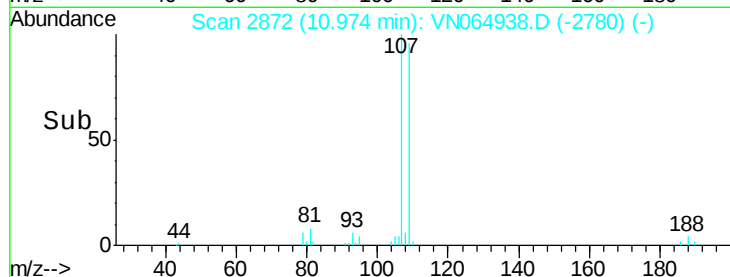
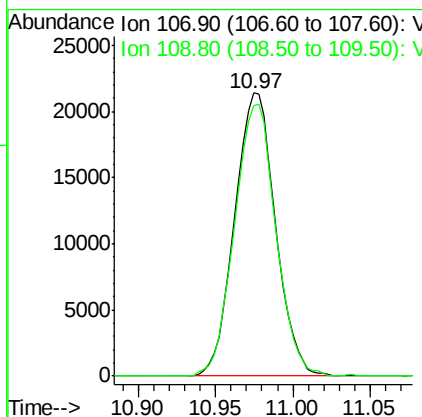
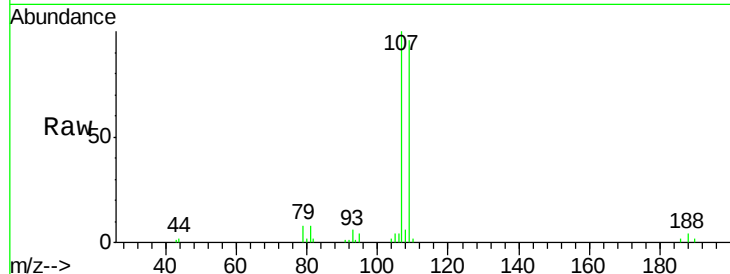
#61
 1,2-Dibromoethane
 Concen: 17.630 ug/l
 RT: 10.97 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN064938.D
 Acq: 7 Dec 2020 12:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	97.4	76.0	114.0

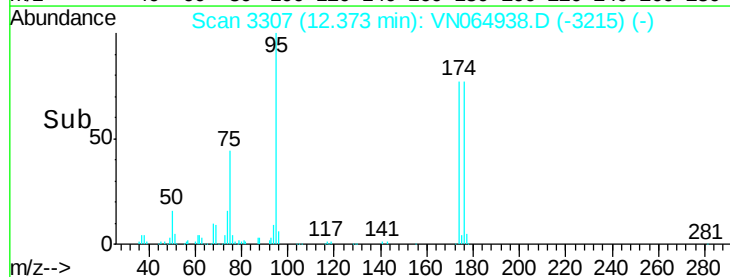
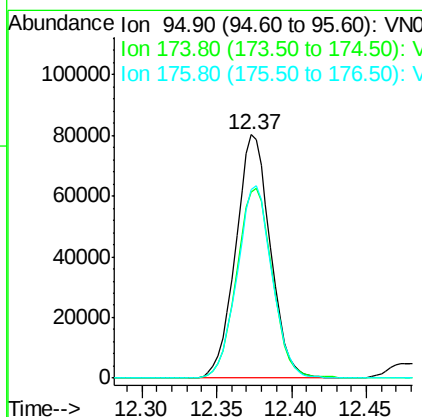
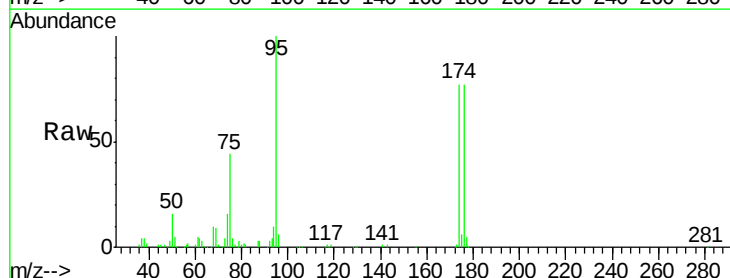
Manual Integrations
 APPROVED

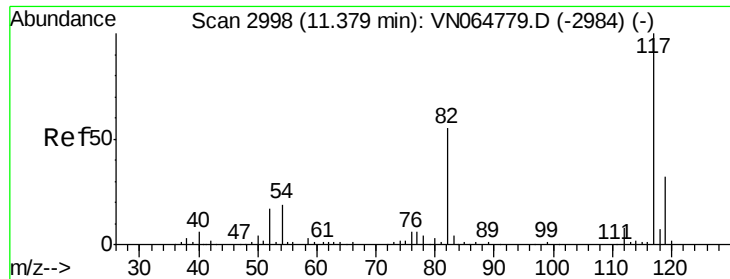
MMDadoda
 12/8/2020 5:04:04 PM



#62
 4-Bromofluorobenzene
 Concen: 48.647 ug/l
 RT: 12.37 min Scan# 3307
 Delta R.T. -0.00 min
 Lab File: VN064938.D
 Acq: 7 Dec 2020 12:23

Tgt Ion	Ratio	Lower	Upper
95	100		
174	80.6	0.0	160.4
176	79.8	0.0	158.4





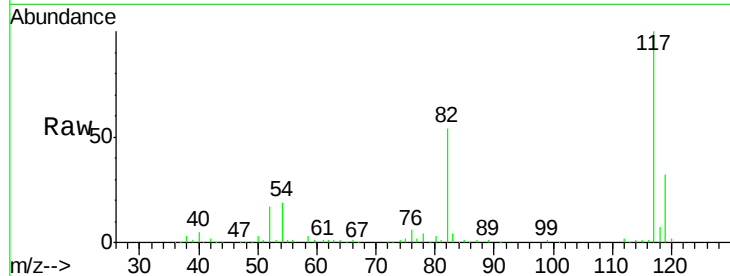
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN064938.D
Acq: 7 Dec 2020 12:23

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.2	44.2	66.2
119	32.0	25.8	38.6

Manual Integrations
APPROVED

MMDadoda
12/8/2020 5:04:04 PM

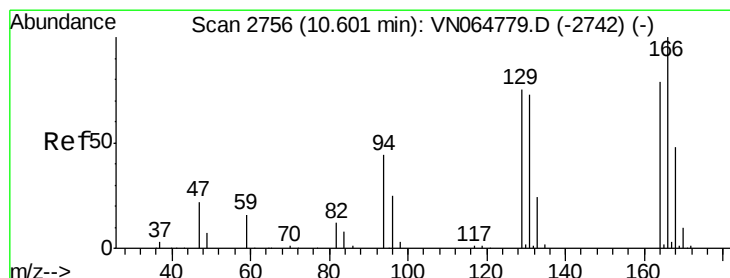
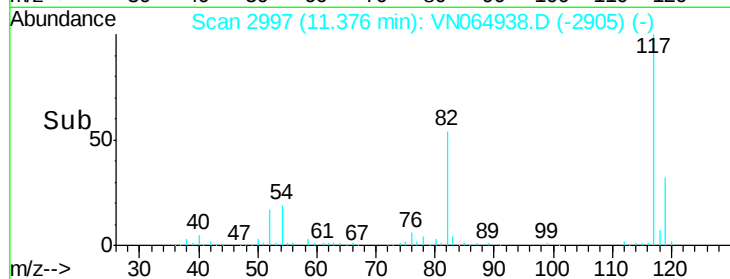
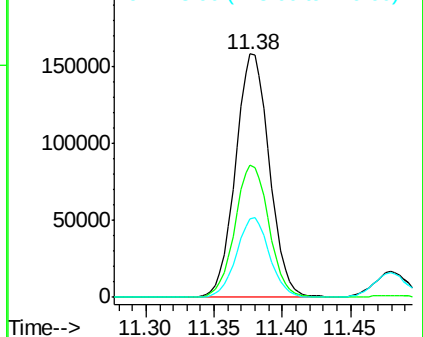


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 16.892 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064938.D
Acq: 7 Dec 2020 12:23

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.2	101.4	152.0
129	99.8	76.1	114.1
131	87.6	74.2	111.2

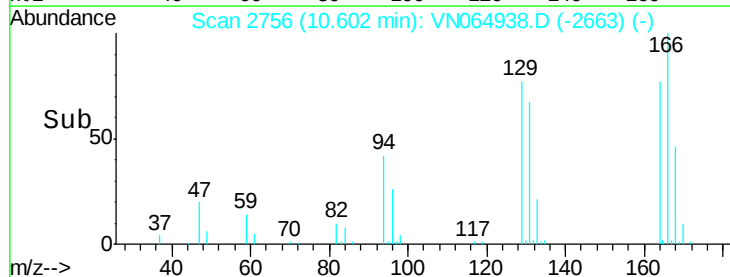
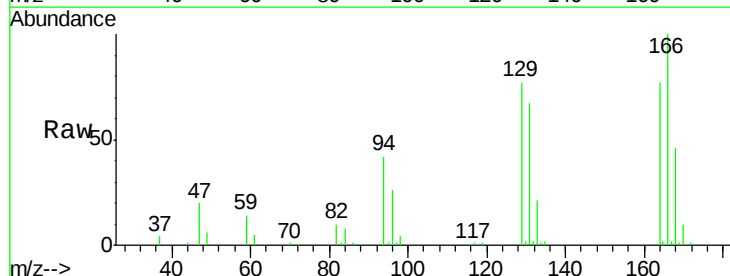
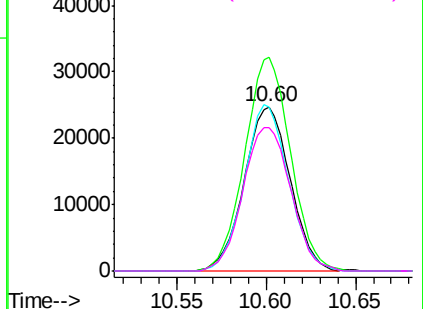
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





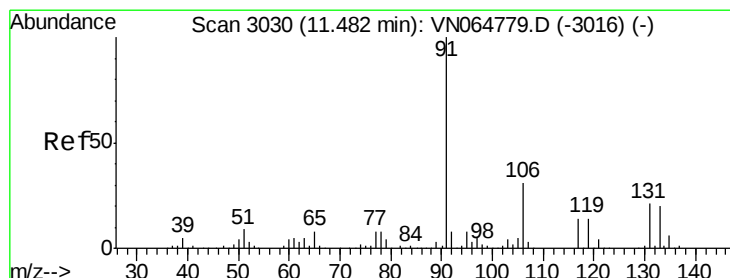
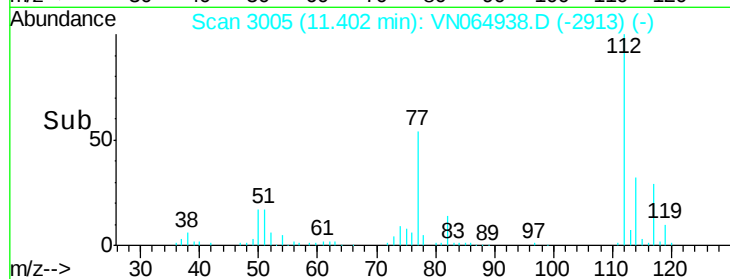
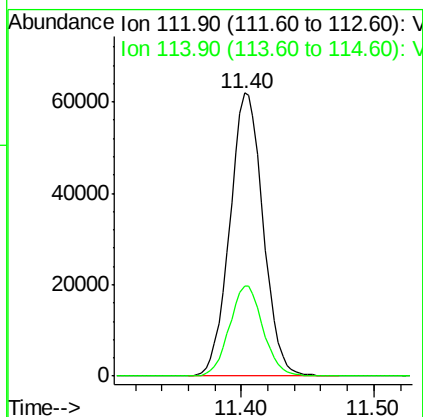
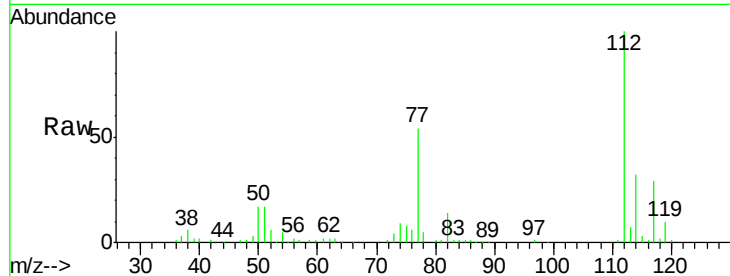
#65
Chlorobenzene
Concen: 18.455 ug/l
RT: 11.40 min Scan# 3005
Delta R.T. -0.00 min
Lab File: VN064938.D
Acq: 7 Dec 2020 12:23

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD01

Tot Ion:112 Resp: 107872
Ion Ratio Lower Upper
112 100
114 31.8 25.1 37.7

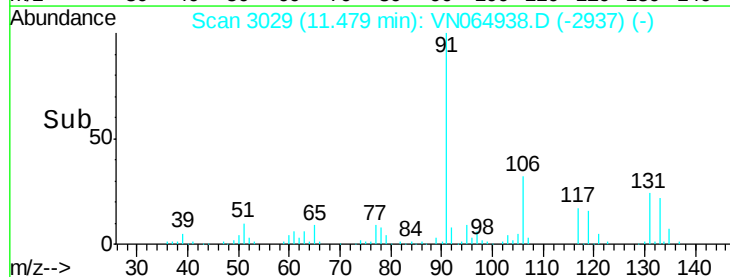
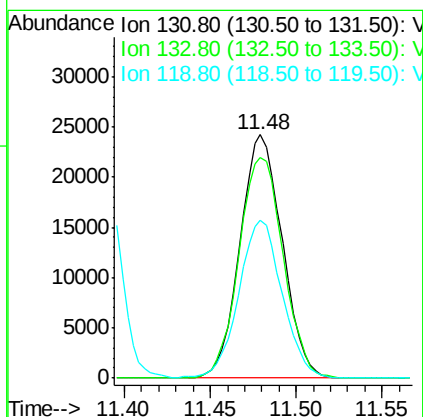
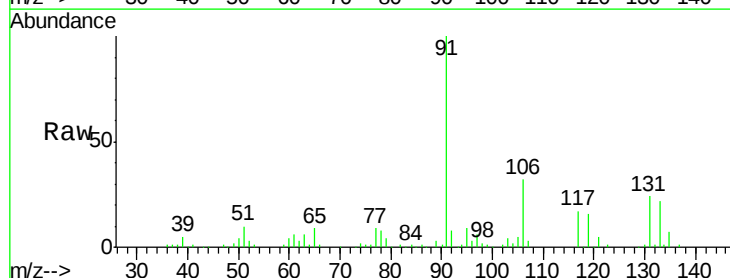
Manual Integrations
APPROVED

MMDadoda
12/8/2020 5:04:04 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.246 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN064938.D
Acq: 7 Dec 2020 12:23

Tgt Ion:131 Resp: 41343
Ion Ratio Lower Upper
131 100
133 95.1 47.5 142.5
119 66.5 33.3 99.8





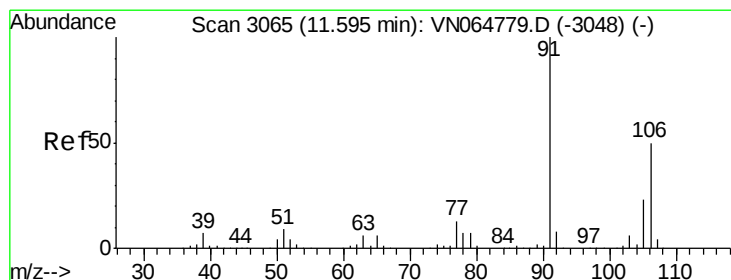
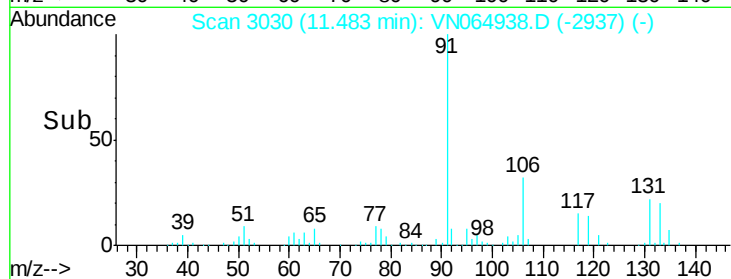
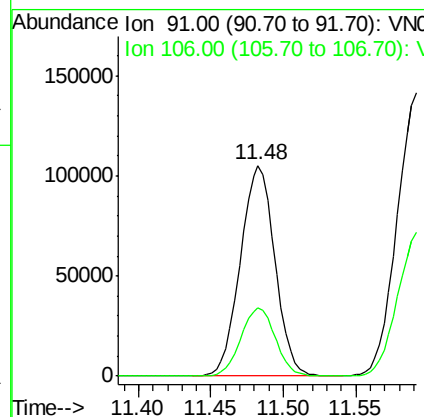
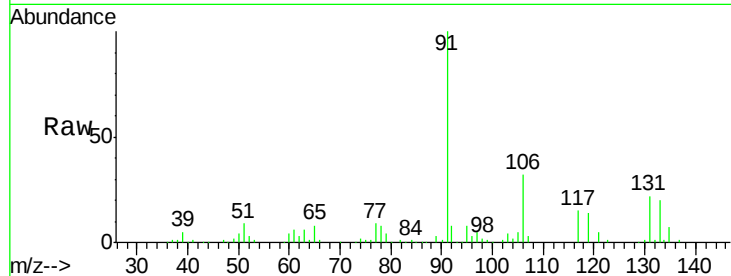
#67
Ethyl Benzene
Concen: 17.843 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064938.D
Acq: 7 Dec 2020 12:23

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD01

Tot Ion: 91 Resp: 174234
Ion Ratio Lower Upper
91 100
106 32.4 25.2 37.8

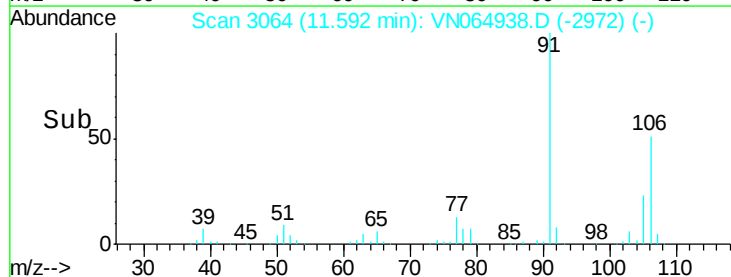
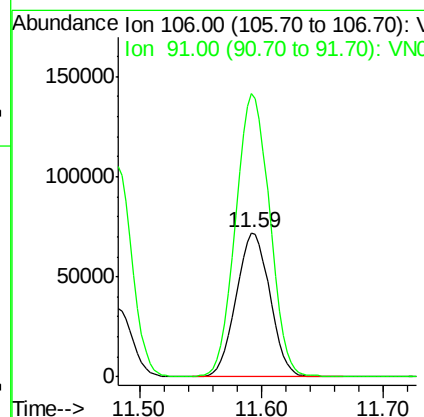
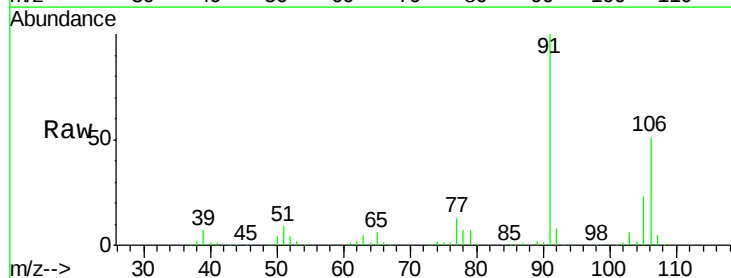
Manual Integrations
APPROVED

MMDadoda
12/8/2020 5:04:04 PM



#68
m/p-Xylenes
Concen: 37.370 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. -0.00 min
Lab File: VN064938.D
Acq: 7 Dec 2020 12:23

Tgt Ion: 106 Resp: 138158
Ion Ratio Lower Upper
106 100
91 198.3 161.0 241.4





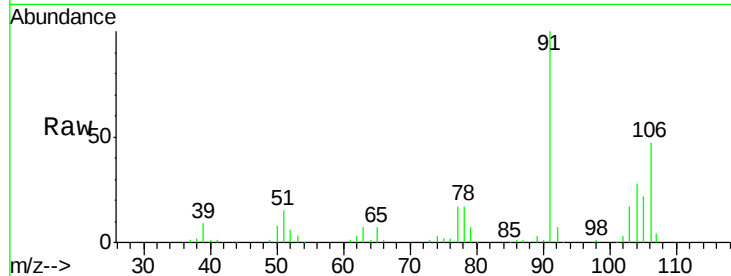
#69
o-Xylene
Concen: 18.394 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN064938.D
Acq: 7 Dec 2020 12:23

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD01

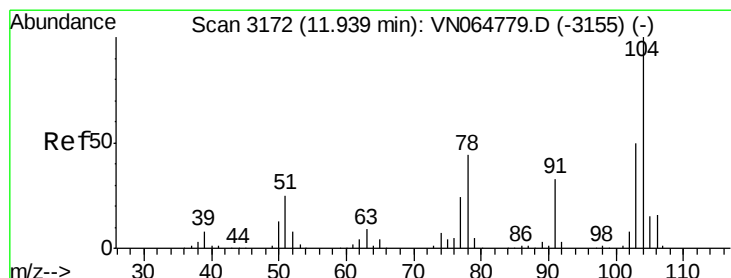
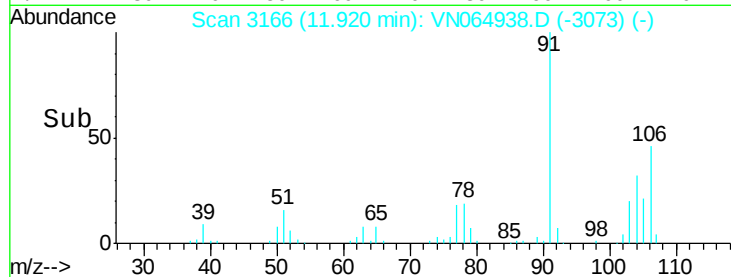
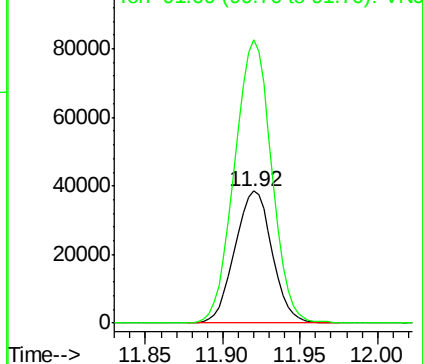
Tot Ion:106 Resp: 64532
Ion Ratio Lower Upper
106 100
91 213.9 105.5 316.5

Manual Integrations
APPROVED

MMDadoda
12/8/2020 5:04:04 PM

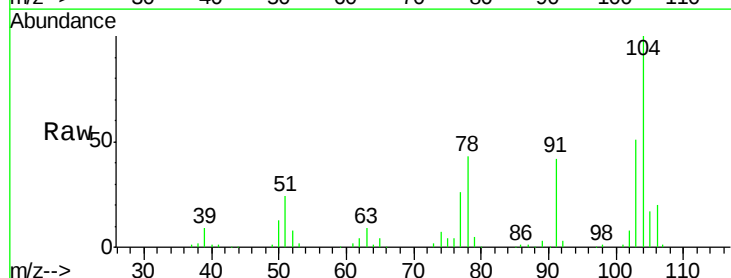


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

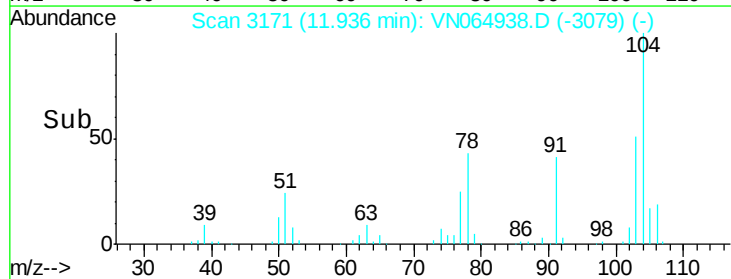
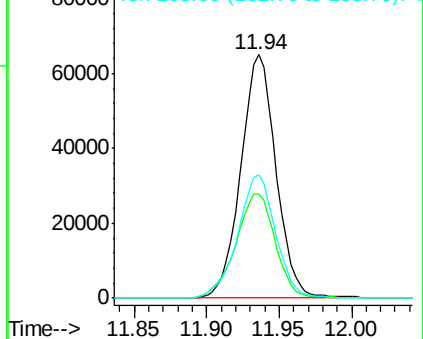


#70
Styrene
Concen: 18.564 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064938.D
Acq: 7 Dec 2020 12:23

Tgt Ion:104 Resp: 109944
Ion Ratio Lower Upper
104 100
78 47.9 39.0 58.6
103 54.2 44.3 66.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





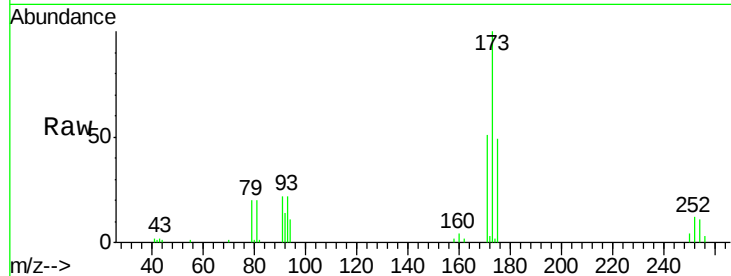
#71
Bromoform
Concen: 18.215 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN064938.D
Acq: 7 Dec 2020 12:23

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD01

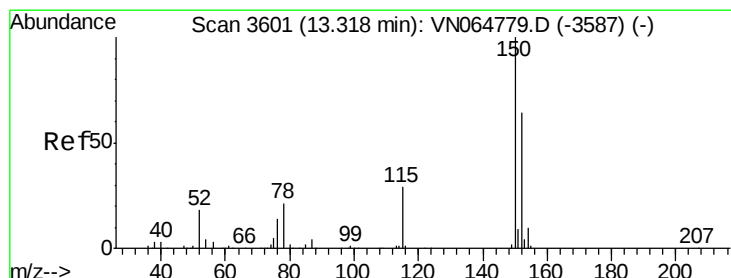
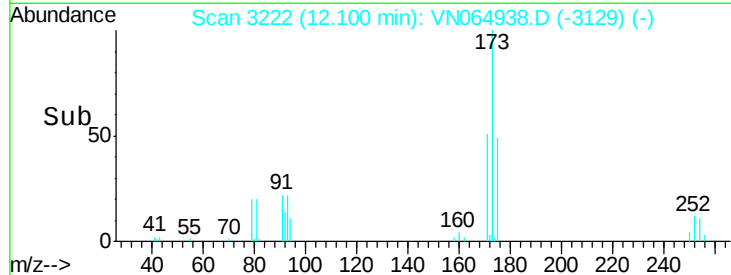
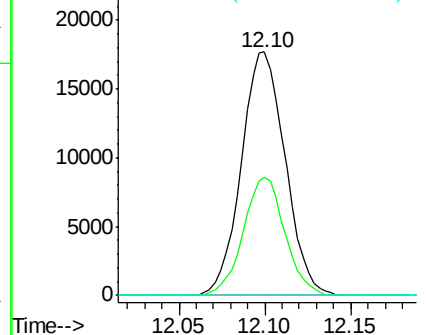
Tot Ion	Ratio	Lower	Upper
173	100		
175	46.0	24.3	72.8
254	0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
12/8/2020 5:04:04 PM

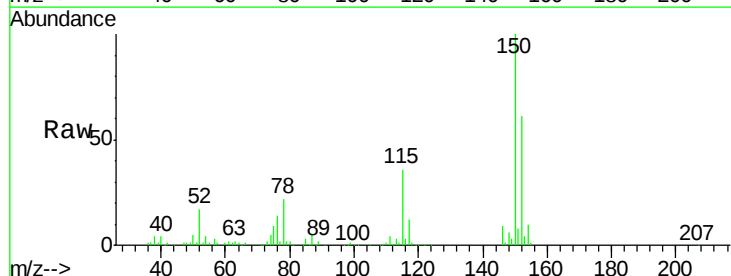


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

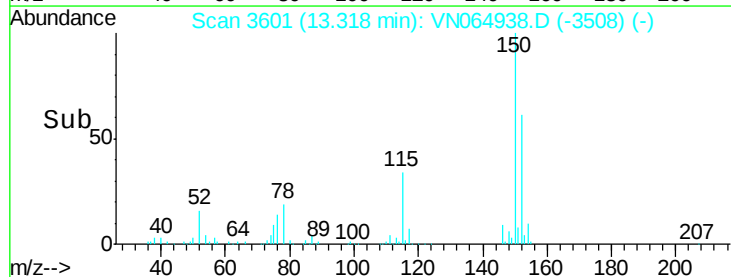
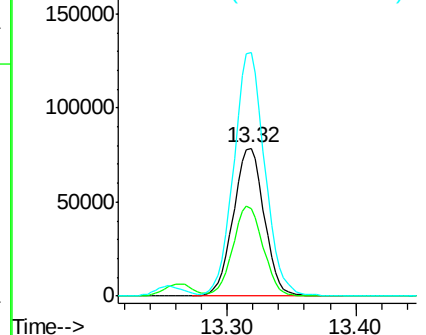


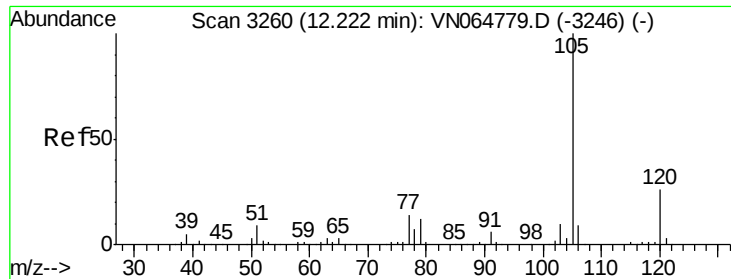
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN064938.D
Acq: 7 Dec 2020 12:23

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.9	29.7	89.1
150	166.0	0.0	350.6



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: 18.969 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN064938.D

Acq: 7 Dec 2020 12:23

Instrument :

MSVOA_N

ClientSampleId :

VN1207WBSD01

Tot Ion: 105 Resp: 172690

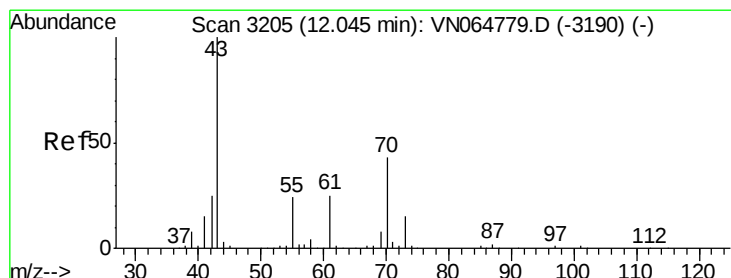
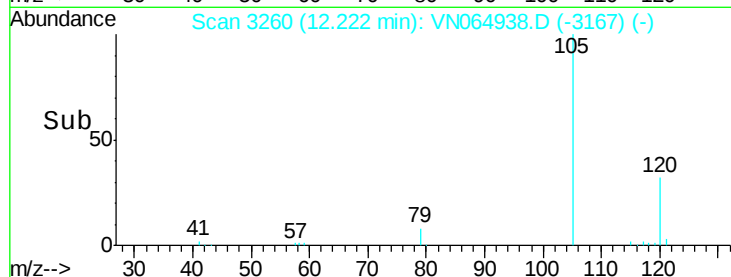
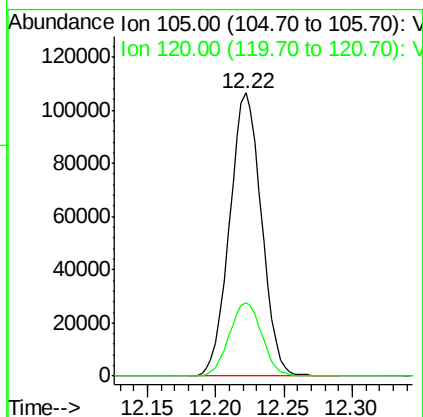
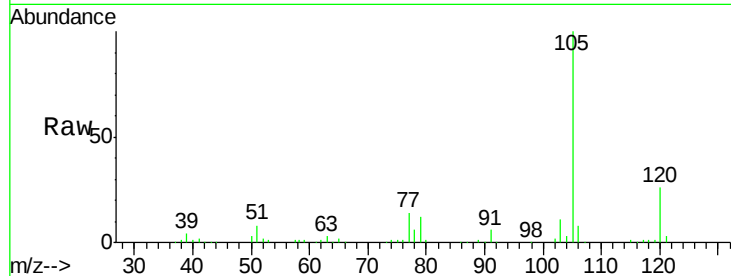
Ion Ratio Lower Upper

105 100

120 26.4 13.3 39.9

Manual Integrations
APPROVED

MMDadoda
12/8/2020 5:04:04 PM



#74

N-ethyl acetate

Concen: 17.289 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN064938.D

Acq: 7 Dec 2020 12:23

Tgt Ion: 43 Resp: 61942

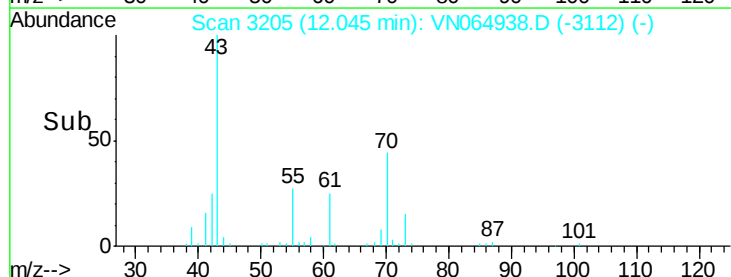
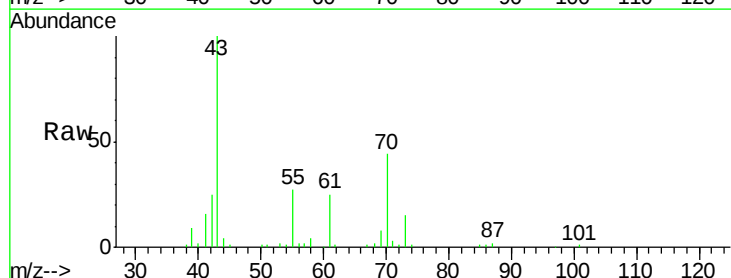
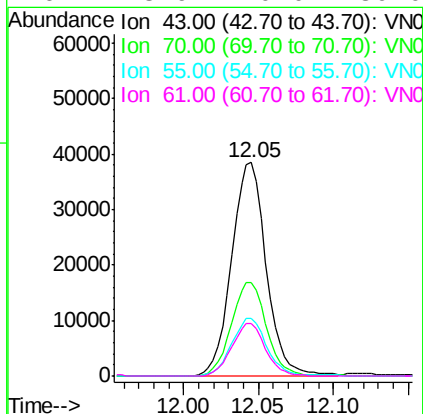
Ion Ratio Lower Upper

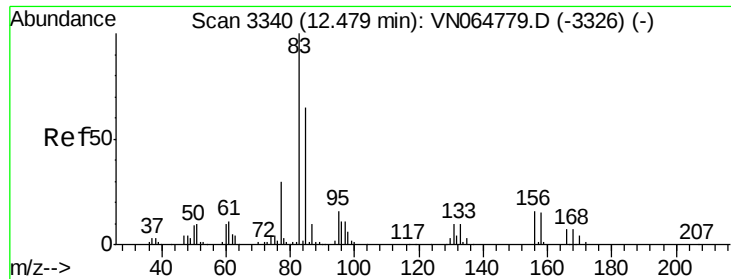
43 100

70 44.4 34.5 51.7

55 27.2 20.4 30.6

61 23.9 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.231 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN064938.D

Acq: 7 Dec 2020 12:23

Instrument :

MSVOA_N

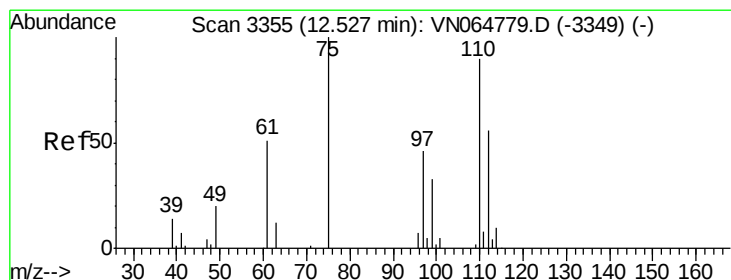
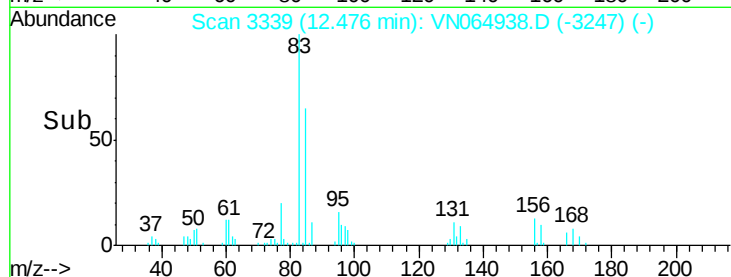
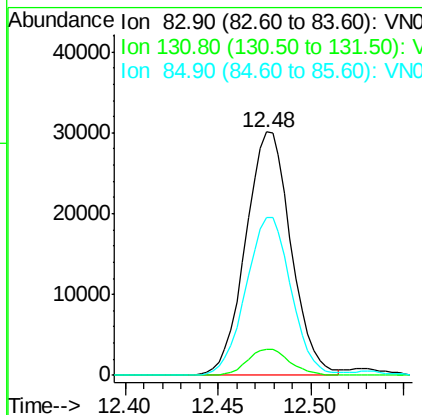
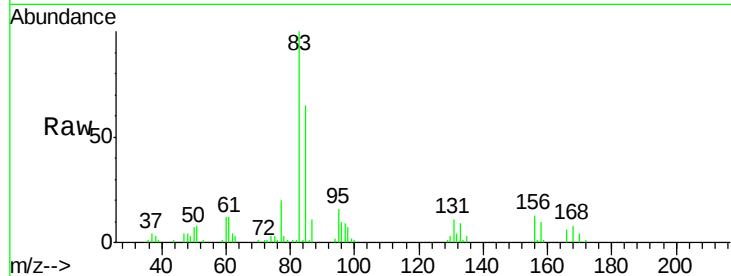
ClientSampleId :

VN1207WBSD01

Tot Ion:	83	Resp:	51316
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.1	15.3
85	64.6	33.0	99.0

Manual Integrations
APPROVED

MMDadoda
12/8/2020 5:04:04 PM



#76

1,2,3-Trichloropropane

Concen: 19.157 ug/l m

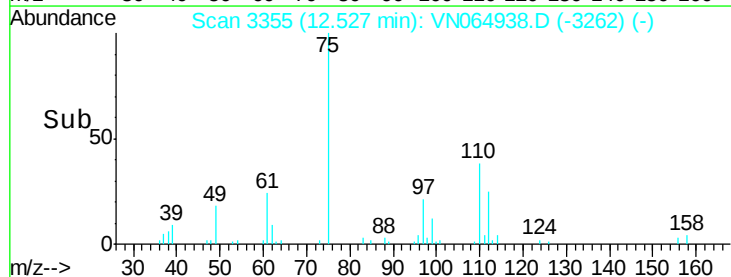
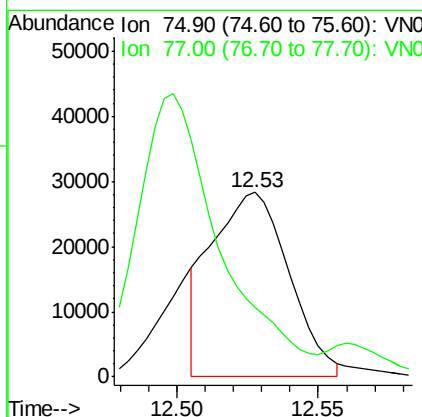
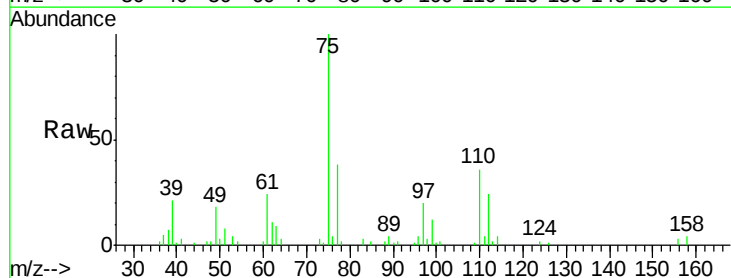
RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN064938.D

Acq: 7 Dec 2020 12:23

Tgt Ion:	75	Resp:	53999
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.245 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064938.D

Acq: 7 Dec 2020 12:23

Instrument :

MSVOA_N

ClientSampleId :

VN1207WBSD01

Tot Ion:156 Resp: 44781

Ion Ratio Lower Upper

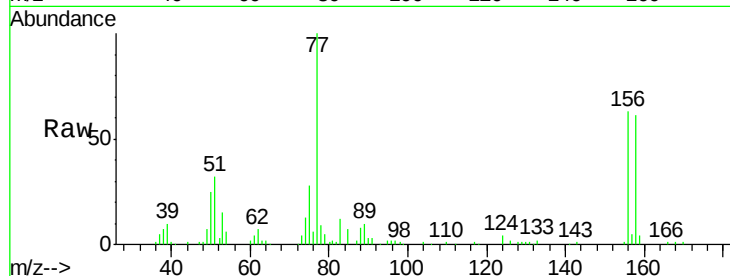
156 100

77 201.4 101.3 303.7

158 98.6 48.2 144.6

Manual Integrations
APPROVED

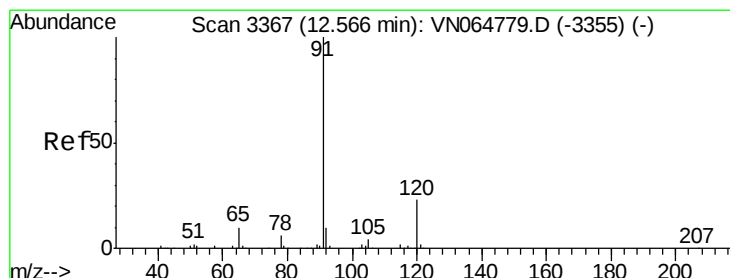
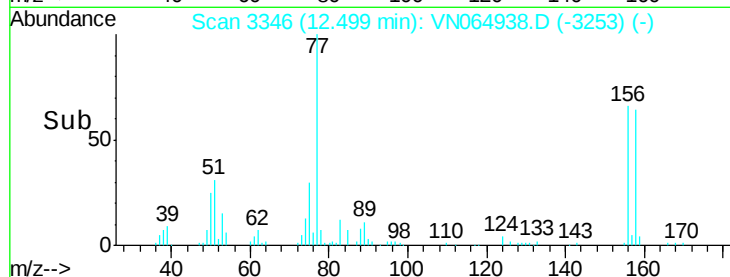
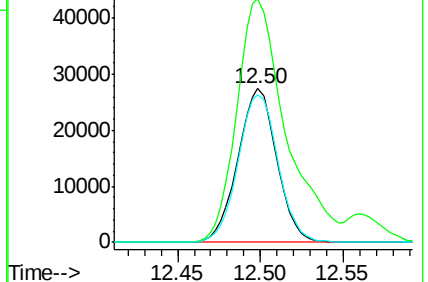
MMDadoda
12/8/2020 5:04:04 PM



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: 18.317 ug/l

RT: 12.56 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN064938.D

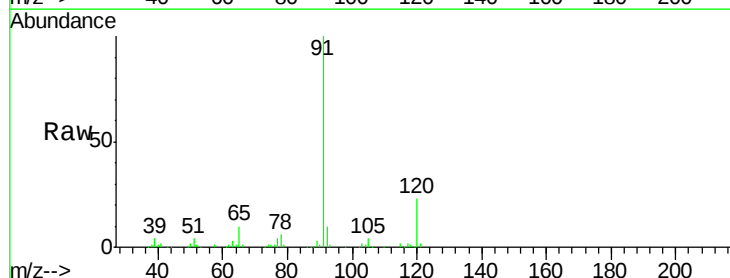
Acq: 7 Dec 2020 12:23

Tgt Ion: 91 Resp: 189970

Ion Ratio Lower Upper

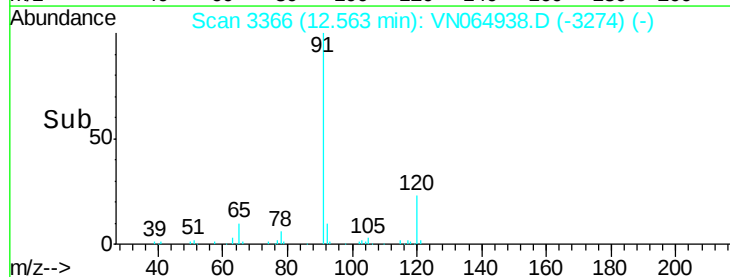
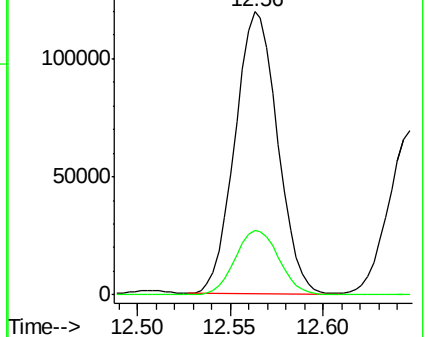
91 100

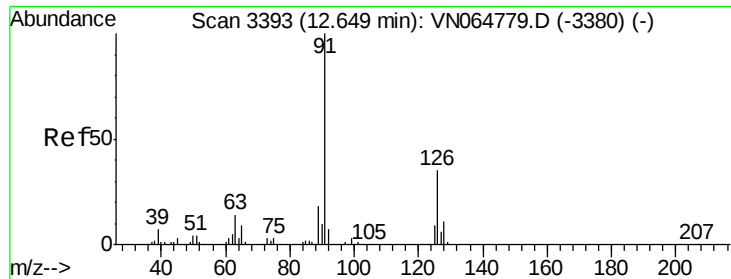
120 23.6 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.062 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064938.D

Acq: 7 Dec 2020 12:23

Instrument :

MSVOA_N

ClientSampleId :

VN1207WBSD01

Tot Ion: 91 Resp: 115791

Ion Ratio Lower Upper

91 100

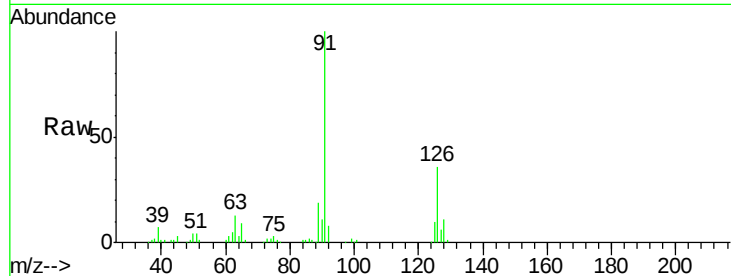
126 36.5 17.2 51.6

Manual Integrations

APPROVED

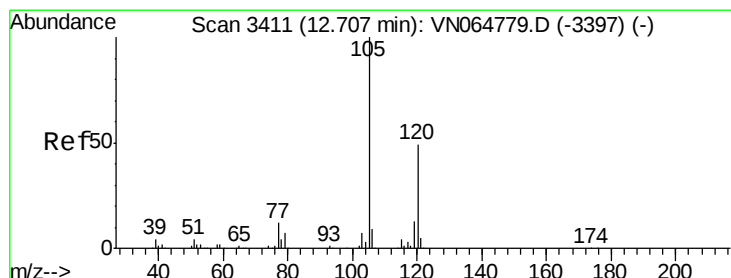
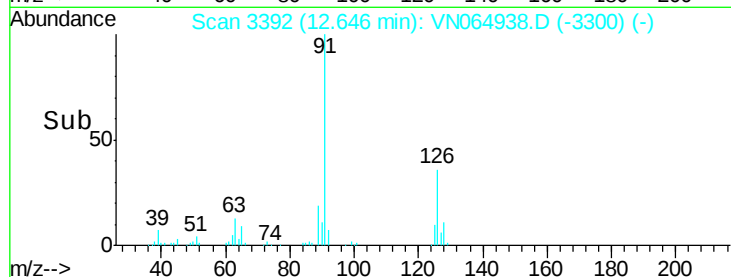
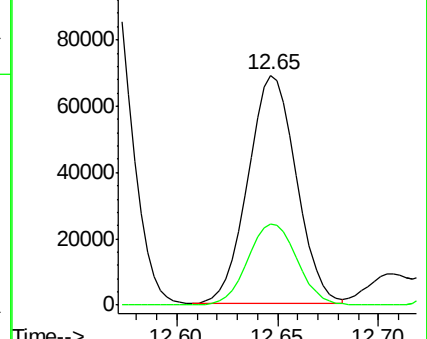
MMDadoda

12/8/2020 5:04:04 PM



Abundance Ion 91.00 (90.70 to 91.70): VN064779.D (-3380) (-)

Ion 125.90 (125.60 to 126.60): VN064779.D (-3380) (-)



#80

1,3,5-Trimethylbenzene

Concen: 18.870 ug/l

RT: 12.70 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN064938.D

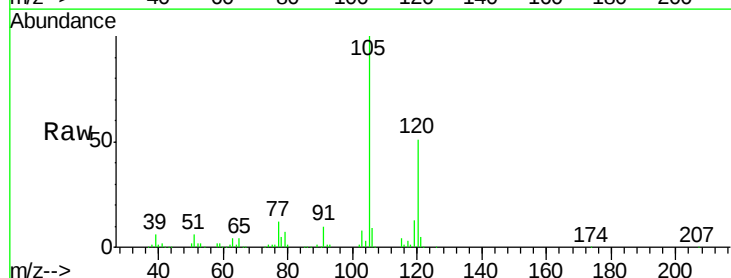
Acq: 7 Dec 2020 12:23

Tgt Ion: 105 Resp: 142796

Ion Ratio Lower Upper

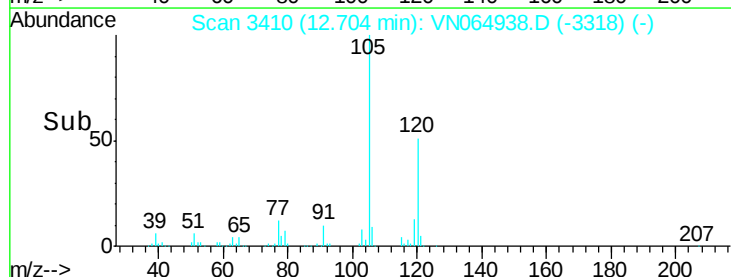
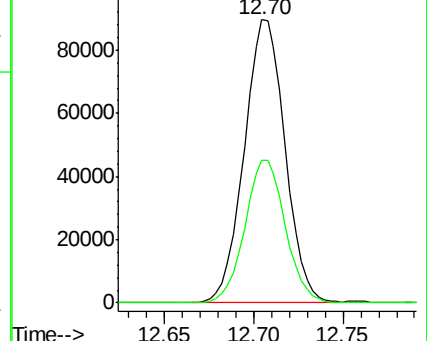
105 100

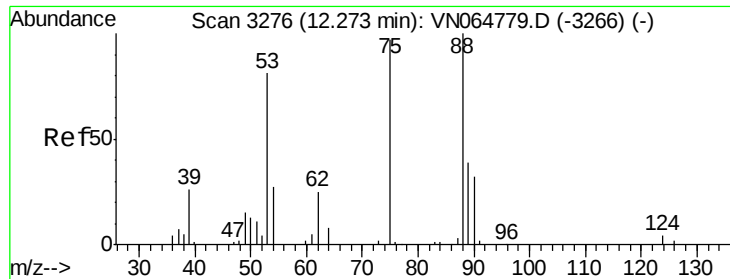
120 49.9 24.6 73.6



Abundance Ion 105.00 (104.70 to 105.70): VN064779.D (-3397) (-)

Ion 120.00 (119.70 to 120.70): VN064779.D (-3397) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 16.201 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN064938.D

Acq: 7 Dec 2020 12:23

Instrument :

MSVOA_N

ClientSampleId :

VN1207WBSD01

Tot Ion: 75 Resp: 16662

Ion Ratio Lower Upper

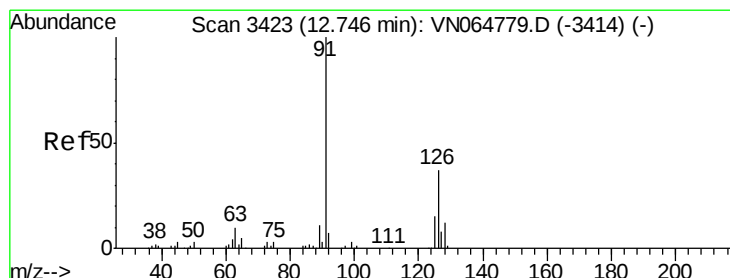
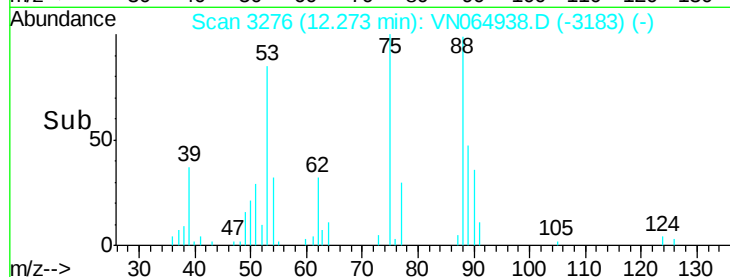
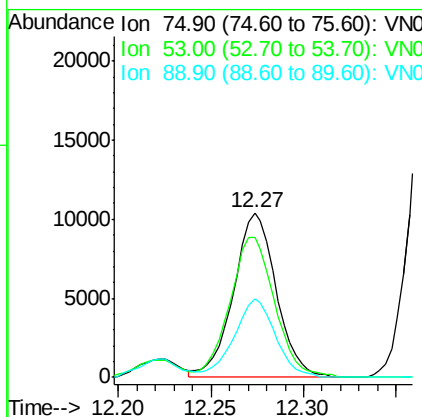
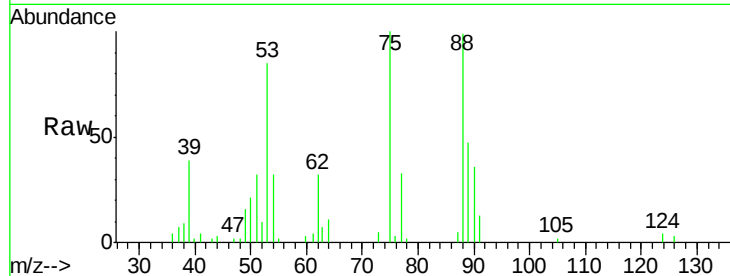
75 100

53 89.3 67.0 100.4

89 46.0 39.6 59.4

Manual Integrations
APPROVED

MMDadoda
12/8/2020 5:04:04 PM



#82

4-Chlorotoluene

Concen: 18.228 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN064938.D

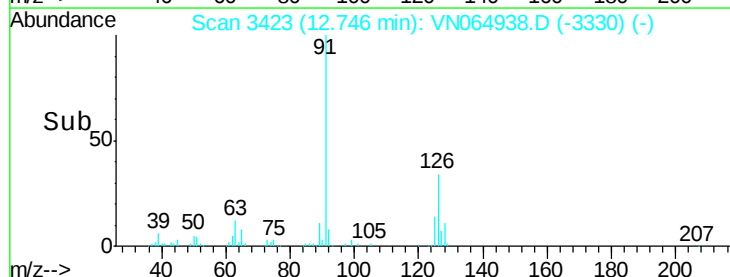
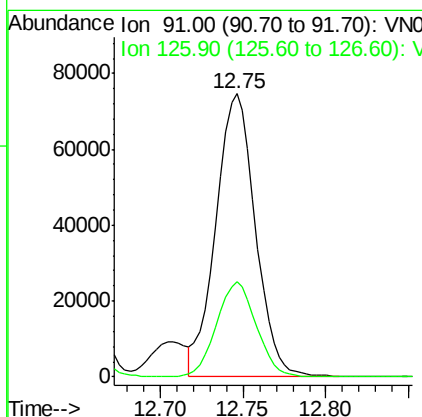
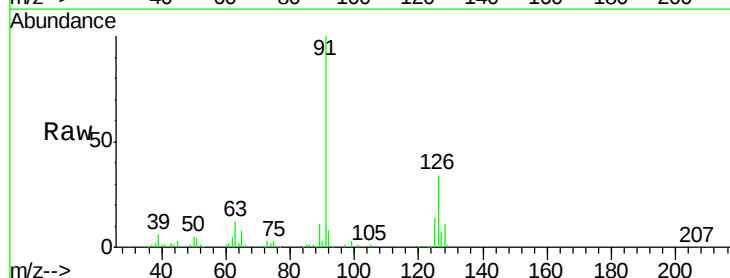
Acq: 7 Dec 2020 12:23

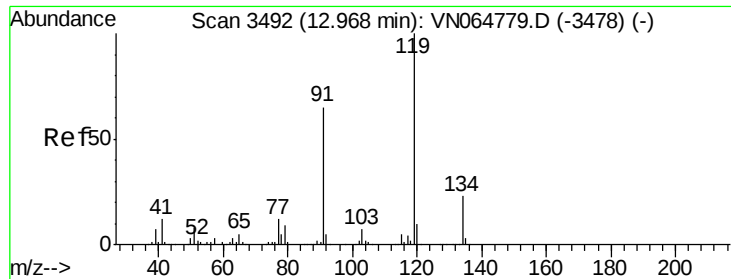
Tgt Ion: 91 Resp: 122488

Ion Ratio Lower Upper

91 100

126 34.2 16.9 50.7





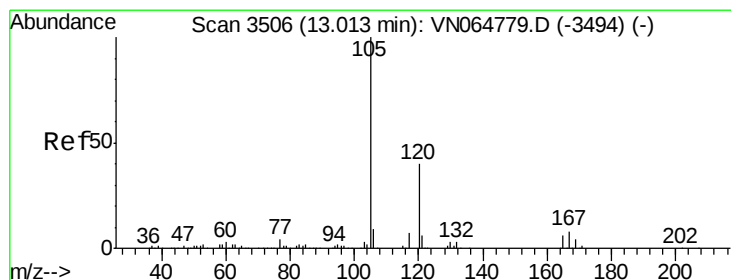
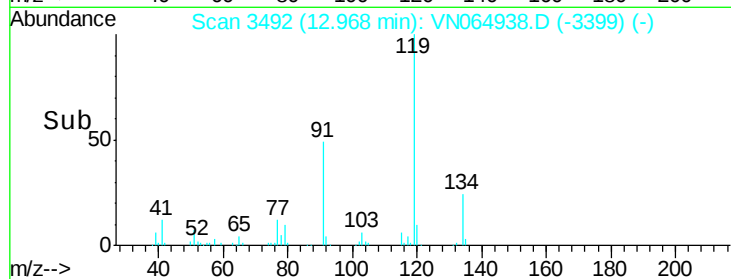
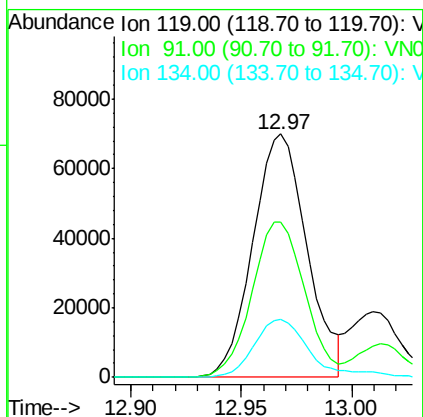
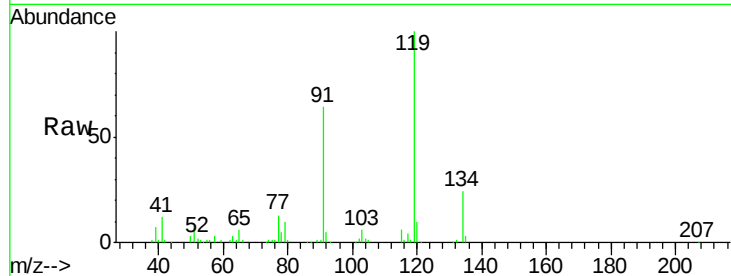
#83
 tert-Butylbenzene
 Concen: 18.771 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN064938.D
 Acq: 7 Dec 2020 12:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	119058		
91	62.4		32.3	96.8
134	24.8		12.6	37.6

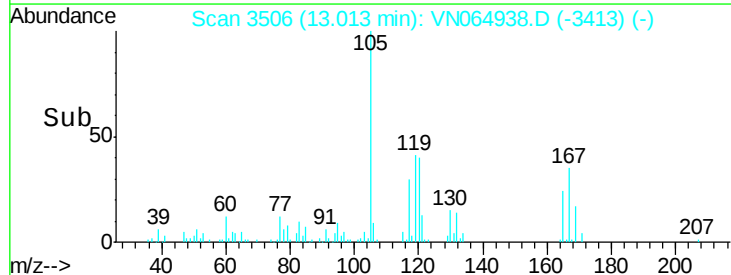
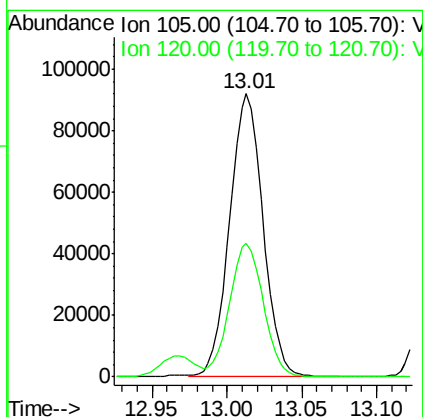
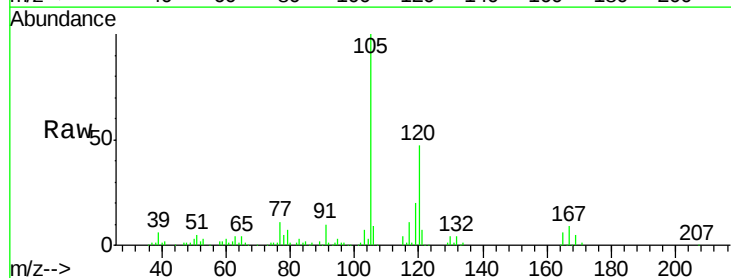
Manual Integrations
 APPROVED

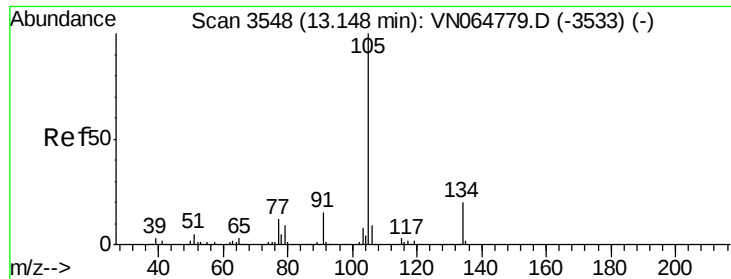
MMDadoda
 12/8/2020 5:04:04 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 18.574 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN064938.D
 Acq: 7 Dec 2020 12:23

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	142108		
120	48.1		23.1	69.2





#85

sec-Butylbenzene

Concen: 18.208 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064938.D

Acq: 7 Dec 2020 12:23

Instrument :

MSVOA_N

ClientSampleId :

VN1207WBSD01

Tot Ion:105 Resp: 153342

Ion Ratio Lower Upper

105 100

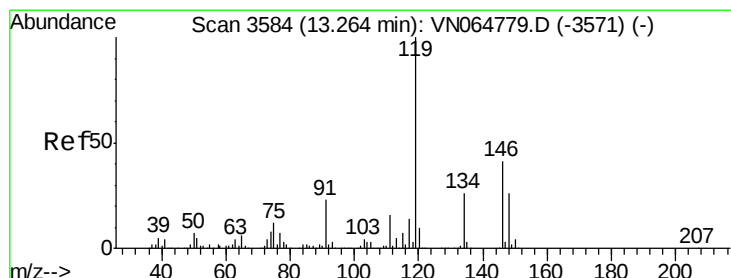
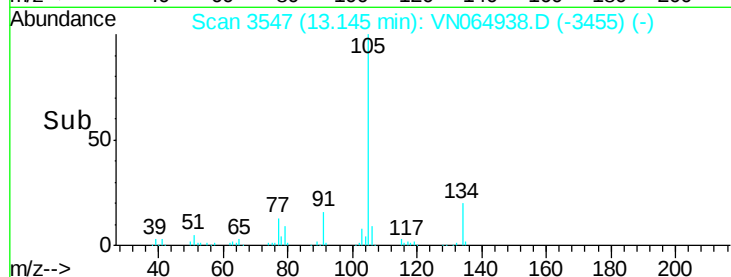
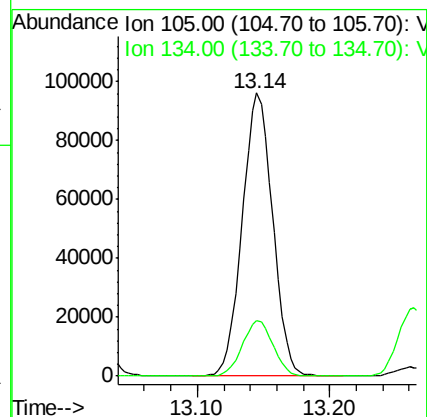
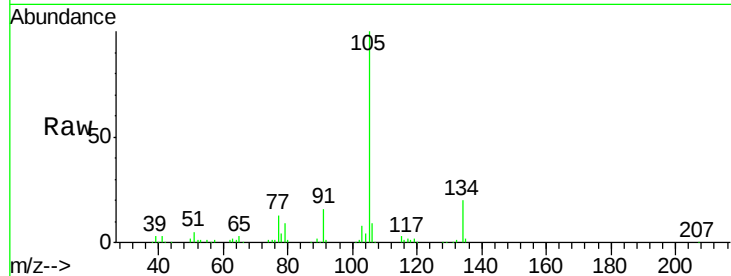
134 19.7 10.1 30.1

Manual Integrations

APPROVED

MMDadoda

12/8/2020 5:04:04 PM



#86

p-Isopropyltoluene

Concen: 18.321 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN064938.D

Acq: 7 Dec 2020 12:23

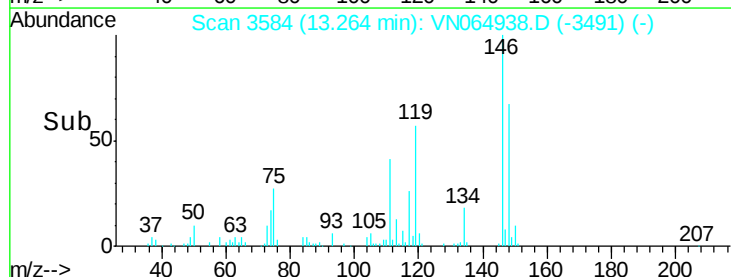
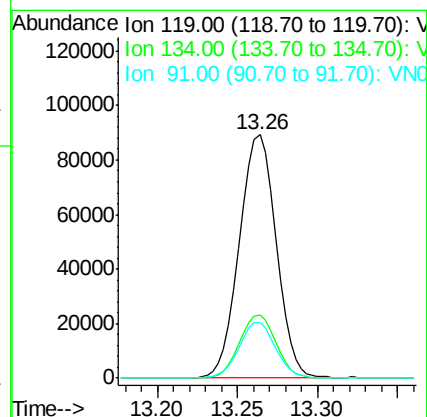
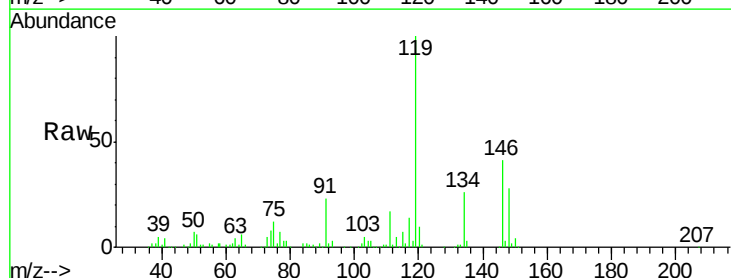
Tgt Ion:119 Resp: 140470

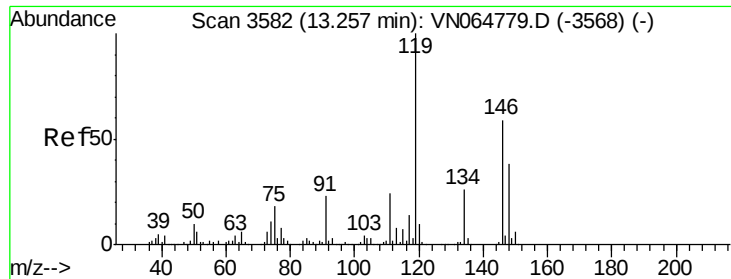
Ion Ratio Lower Upper

119 100

134 25.6 13.1 39.1

91 22.6 11.5 34.5





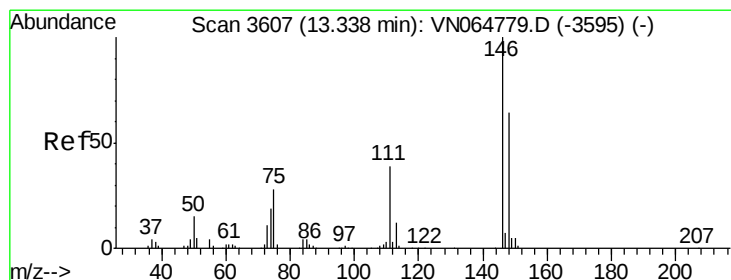
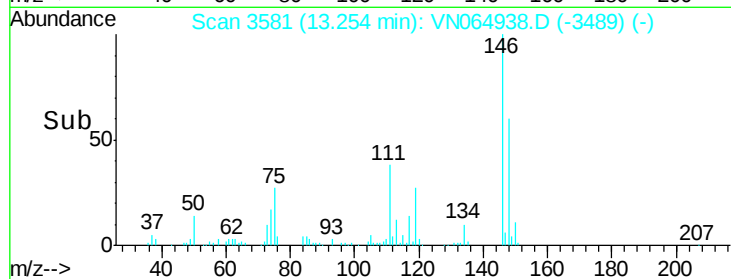
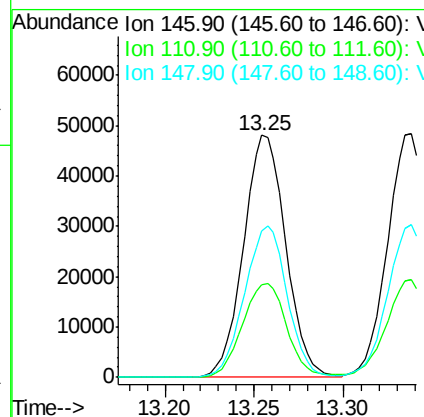
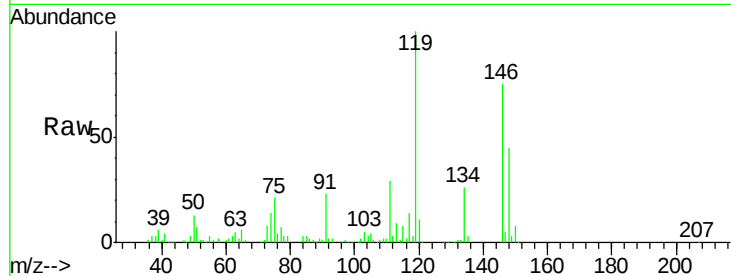
#87
 1,3-Dichlorobenzene
 Concen: 18.241 ug/l
 RT: 13.25 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN064938.D
 Acq: 7 Dec 2020 12:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.6	61.9
148	63.0	31.9	95.5

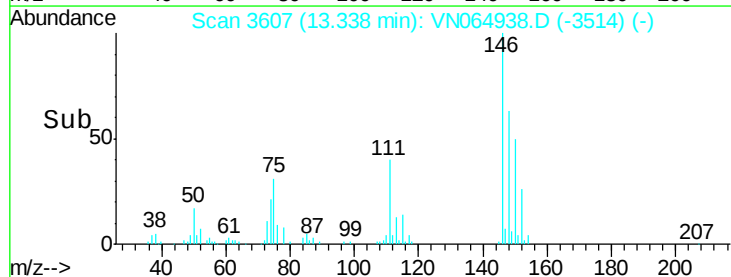
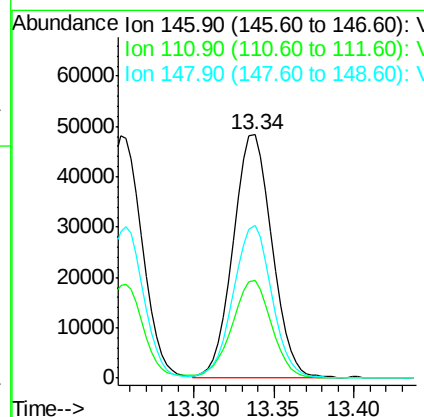
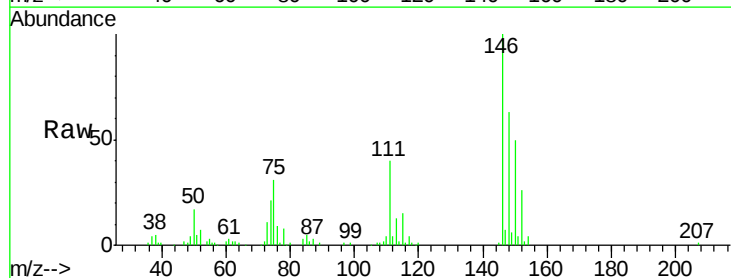
Manual Integrations
 APPROVED

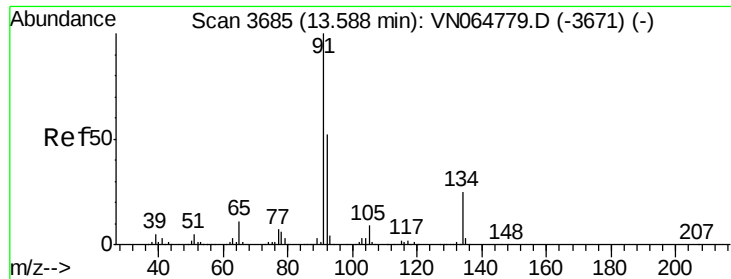
MMDadoda
 12/8/2020 5:04:04 PM



#88
 1,4-Dichlorobenzene
 Concen: 17.299 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064938.D
 Acq: 7 Dec 2020 12:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	19.8	59.3
148	62.6	31.9	95.5





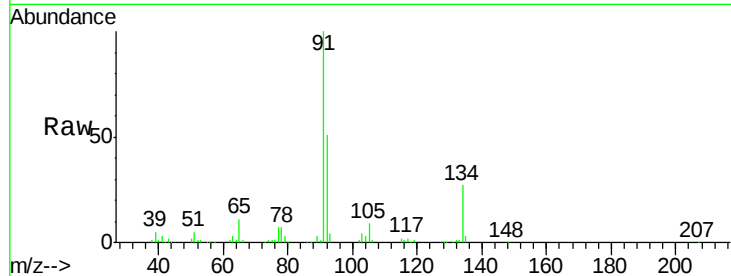
#89
n-Butylbenzene
Concen: 16.783 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN064938.D
Acq: 7 Dec 2020 12:23

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD01

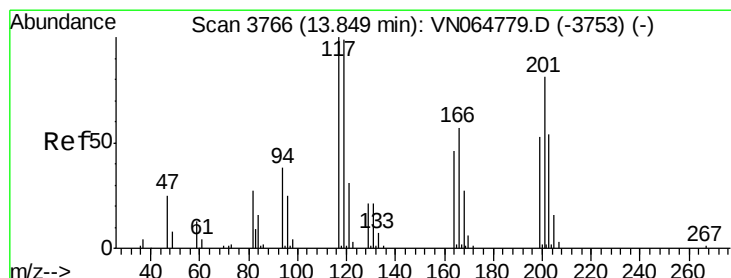
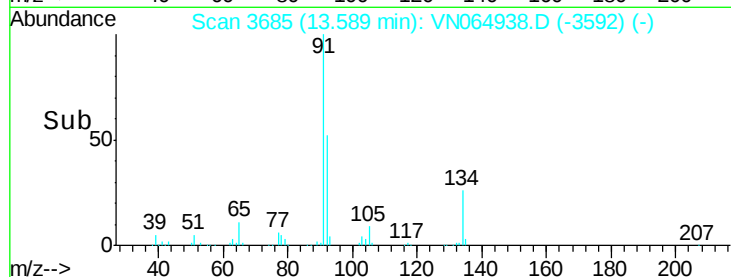
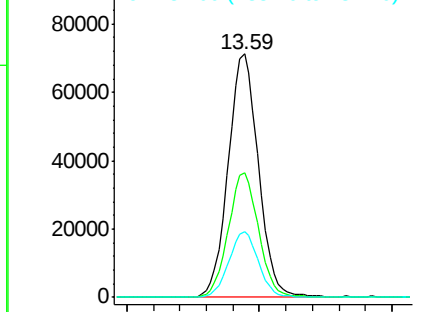
Tot Ion	Ratio	Lower	Upper
91	100		
92	51.3	26.0	78.0
134	26.4	12.9	38.6

Manual Integrations
APPROVED

MMDadoda
12/8/2020 5:04:04 PM

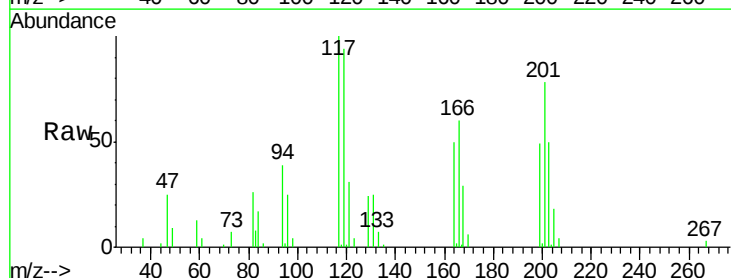


Abundance Ion 91.00 (90.70 to 91.70): VN064779.D (-3671) (-)
Ion 92.00 (91.70 to 92.70): VN064779.D (-3671) (-)
Ion 134.00 (133.70 to 134.70): VN064779.D (-3671) (-)

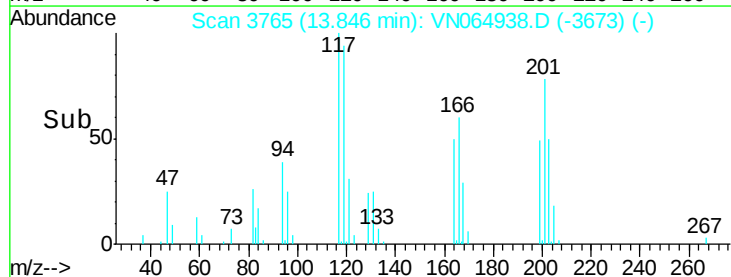
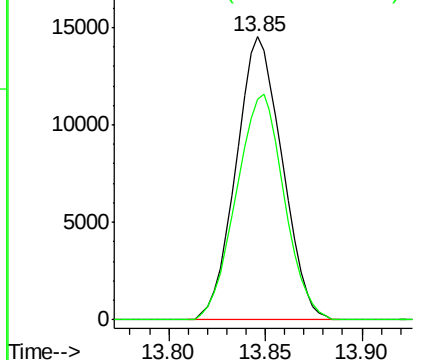


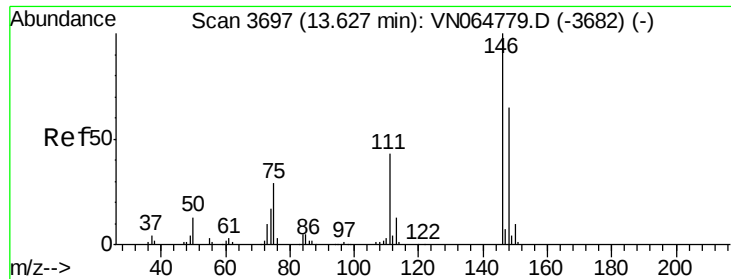
#90
Hexachloroethane
Concen: 18.059 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN064938.D
Acq: 7 Dec 2020 12:23

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.9	40.1	120.3



Abundance Ion 116.80 (116.50 to 117.50): VN064779.D (-3753) (-)
Ion 200.70 (200.40 to 201.40): VN064779.D (-3753) (-)





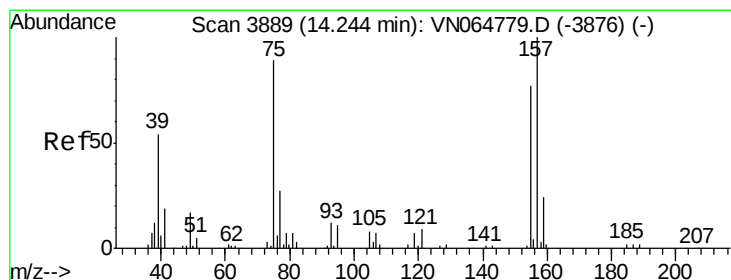
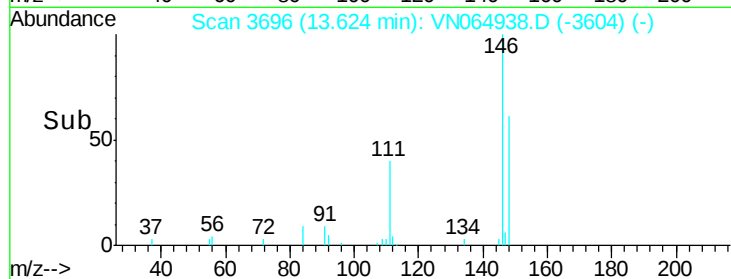
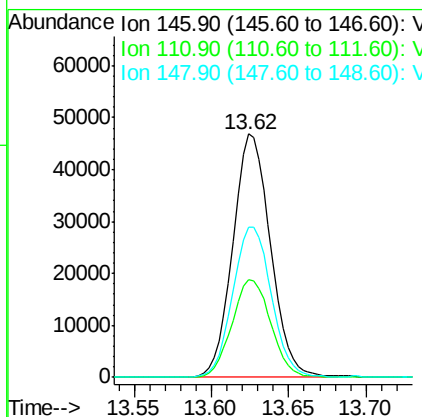
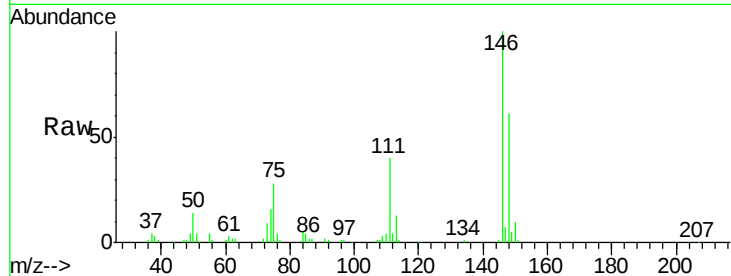
#91
 1,2-Dichlorobenzene
 Concen: 18.481 ug/l
 RT: 13.62 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN064938.D
 Acq: 7 Dec 2020 12:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	21.1	63.1
148	63.5	32.0	96.2

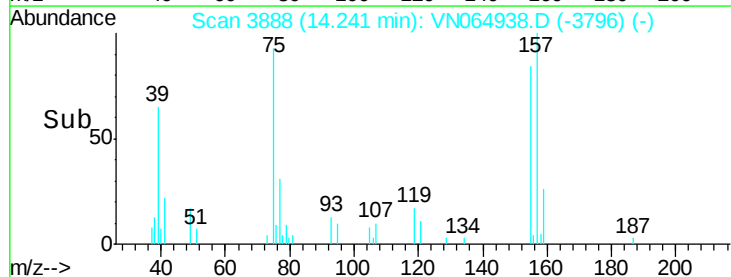
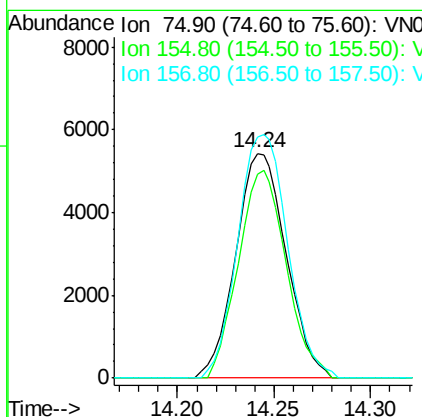
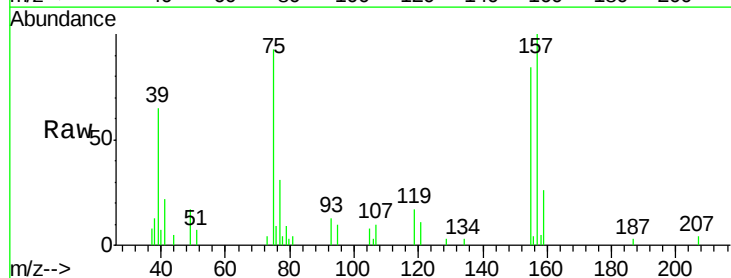
Manual Integrations
 APPROVED

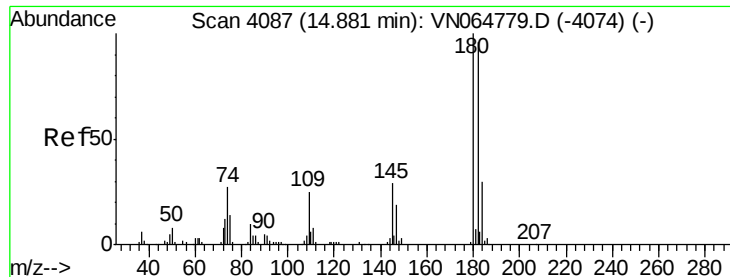
MMDadoda
 12/8/2020 5:04:04 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.420 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN064938.D
 Acq: 7 Dec 2020 12:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.6	42.8	128.3
157	107.1	56.4	169.1





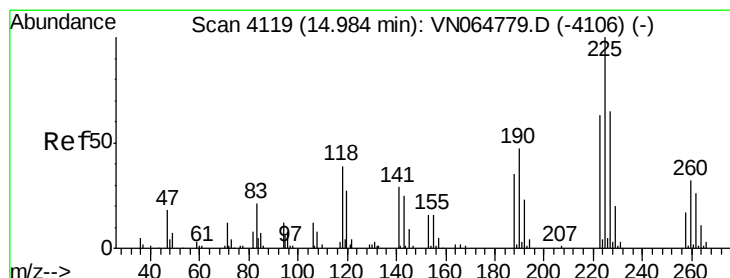
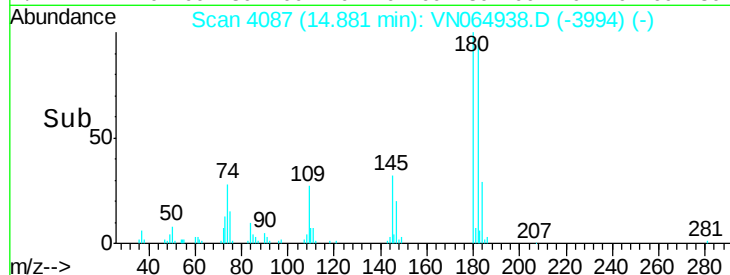
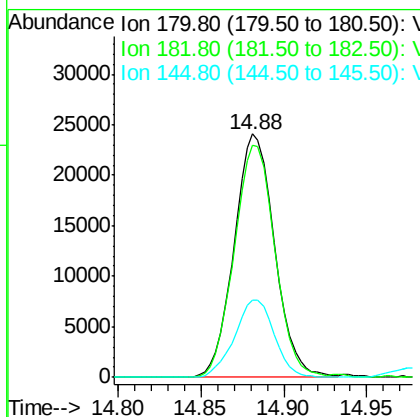
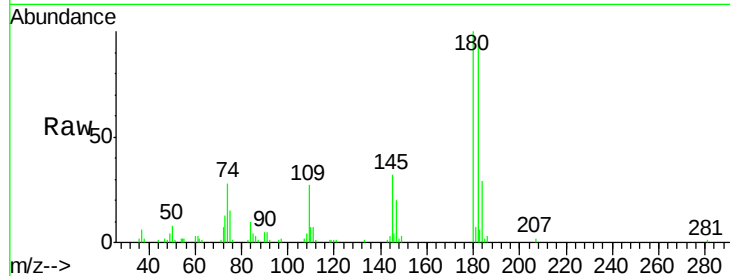
#93
 1,2,4-Trichlorobenzene
 Concen: 15.446 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN064938.D
 Acq: 7 Dec 2020 12:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	40912		
182	95.7	47.6	142.9	
145	31.1	15.3	45.8	

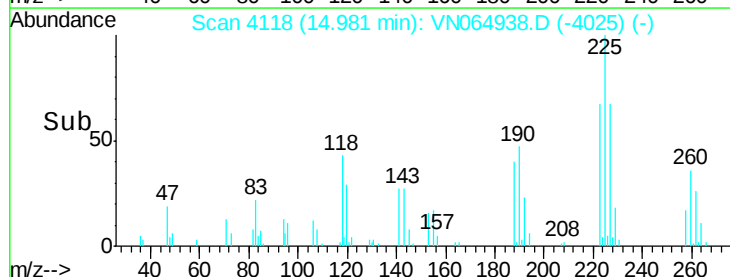
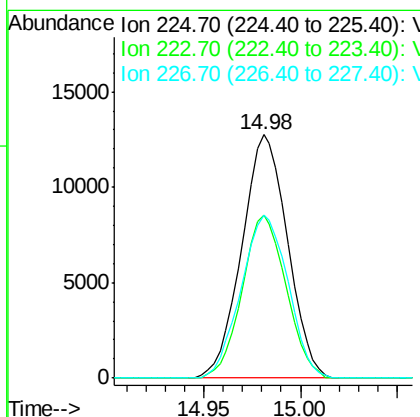
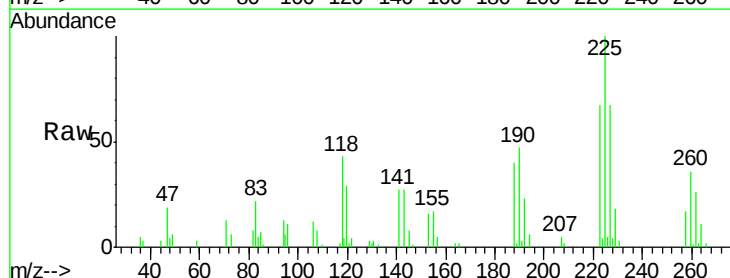
Manual Integrations
 APPROVED

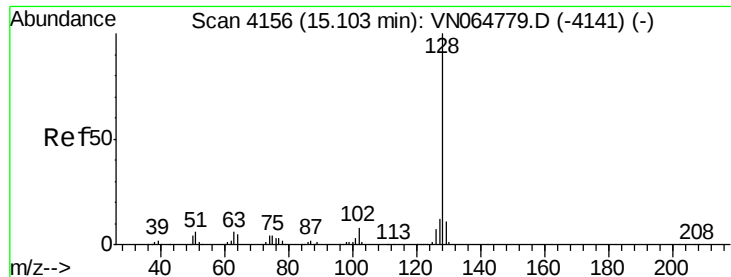
MMDadoda
 12/8/2020 5:04:04 PM



#94
 Hexachlorobutadiene
 Concen: 17.812 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064938.D
 Acq: 7 Dec 2020 12:23

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	20957		
223	64.2	31.0	93.0	
227	68.5	32.0	96.0	





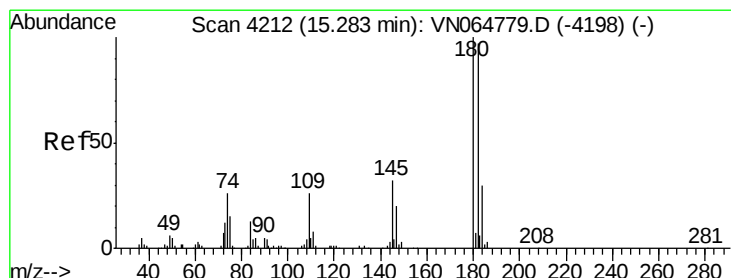
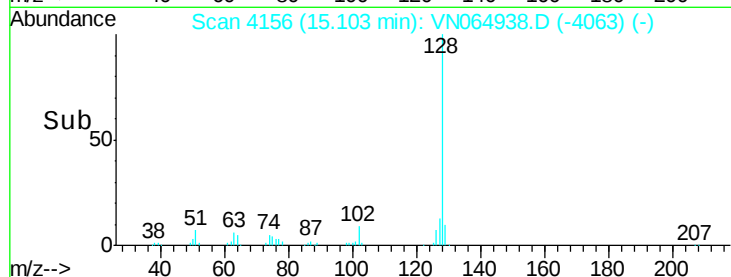
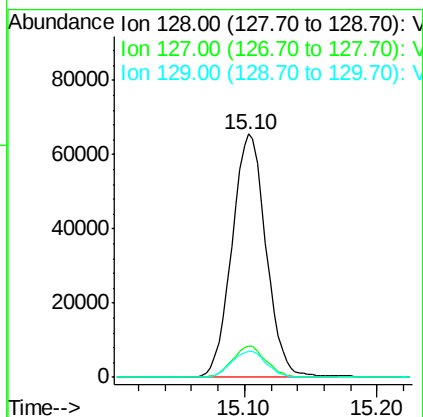
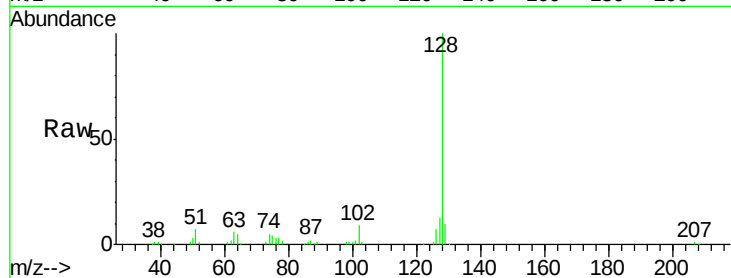
#95
Naphthalene
Concen: 14.738 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN064938.D
Acq: 7 Dec 2020 12:23

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.3	15.5
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
12/8/2020 5:04:04 PM



#96
1,2,3-Trichlorobenzene
Concen: 16.538 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN064938.D
Acq: 7 Dec 2020 12:23

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.4	48.1	144.4
145	32.8	16.4	49.1

