

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120720\
 Data File : VN064935.D
 Acq On : 7 Dec 2020 10:30
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/8/2020 5:03:59 PM

Quant Time: Dec 08 07:21:55 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	216228	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	328063	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	300087	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	149092	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	118156	47.00	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	94.00%
35) Dibromofluoromethane	7.54	113	103681	52.82	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	105.64%
50) Toluene-d8	10.06	98	399399	49.80	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	99.60%
62) 4-Bromofluorobenzene	12.37	95	142141	49.52	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	99.04%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	76945	41.059	ug/l	98
3) Chloromethane	2.04	50	97951	40.222	ug/l	99
4) Vinyl Chloride	2.17	62	109632	43.180	ug/l	97
5) Bromomethane	2.53	94	71652	43.015	ug/l	96
6) Chloroethane	2.67	64	70294	44.763	ug/l	98
7) Trichlorofluoromethane	2.99	101	160576	45.753	ug/l	100
8) Diethyl Ether	3.37	74	63672	45.962	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.71	101	99832	47.418	ug/l	98
10) Methyl Iodide	3.90	142	114687	41.997	ug/l	98
11) Tert butyl alcohol	4.74	59	79058	201.662	ug/l	100
12) 1,1-Dichloroethene	3.69	96	95369	45.484	ug/l	96
13) Acrolein	3.56	56	69979	292.237	ug/l	99
14) Allyl chloride	4.27	41	158742	45.902	ug/l	98
15) Acrylonitrile	4.93	53	244999	226.223	ug/l	99
16) Acetone	3.78	43	220525	266.865	ug/l	98
17) Carbon Disulfide	4.00	76	230839	42.640	ug/l	99
18) Methyl Acetate	4.28	43	117228	47.184	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	327257	48.664	ug/l	98
20) Methylene Chloride	4.50	84	115214	44.494	ug/l	98
21) trans-1,2-Dichloroethene	4.98	96	105691	45.391	ug/l	99
22) Diisopropyl ether	5.90	45	341492	49.334	ug/l	98
23) Vinyl Acetate	5.84	43	1359262	245.559	ug/l	99
24) 1,1-Dichloroethane	5.79	63	198056	47.876	ug/l	99
25) 2-Butanone	6.78	43	327255	244.300	ug/l	96
26) 2,2-Dichloropropane	6.77	77	170430	47.501	ug/l	99
27) cis-1,2-Dichloroethene	6.77	96	126309	48.207	ug/l	98
28) Bromochloromethane	7.15	49	90887	48.025	ug/l	97
29) Tetrahydrofuran	7.16	42	202136	218.599	ug/l	99
30) Chloroform	7.33	83	204764	47.998	ug/l	97
31) Cyclohexane	7.61	56	150314	42.902	ug/l	96
32) 1,1,1-Trichloroethane	7.52	97	174615	47.657	ug/l	99
36) 1,1-Dichloropropene	7.75	75	150092	49.359	ug/l	99
37) Ethyl Acetate	6.88	43	131284	44.820	ug/l	100
38) Carbon Tetrachloride	7.73	117	153158	48.407	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120720\
 Data File : VN064935.D
 Acq On : 7 Dec 2020 10:30
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/8/2020 5:03:59 PM

Quant Time: Dec 08 07:21:55 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	145929	44.580	ug/l	98
40) Benzene	8.00	78	453923	48.714	ug/l	99
41) Methacrylonitrile	7.12	41	63000	46.613	ug/l	90
42) 1,2-Dichloroethane	8.08	62	148916	47.374	ug/l	100
43) Isopropyl Acetate	8.12	43	218636	46.387	ug/l #	91
44) Trichloroethene	8.80	130	130792	47.572	ug/l	97
45) 1,2-Dichloropropane	9.08	63	122983	50.965	ug/l	99
46) Dibromomethane	9.17	93	78950	48.973	ug/l	97
47) Bromodichloromethane	9.37	83	162686	50.154	ug/l	99
48) Methyl methacrylate	9.16	41	109259	48.512	ug/l	98
49) 1,4-Dioxane	9.16	88	37827	888.648	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	667285	235.821	ug/l	100
52) Toluene	10.12	92	287052	50.022	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	176550	48.867	ug/l	100
54) cis-1,3-Dichloropropene	9.80	75	195127	50.387	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	117056	49.606	ug/l	97
56) Ethyl methacrylate	10.40	69	166081	51.003	ug/l	99
57) 1,3-Dichloropropane	10.68	76	194258	49.905	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	443430	247.559	ug/l	100
59) 2-Hexanone	10.72	43	498281	244.682	ug/l	99
60) Dibromochloromethane	10.87	129	135566	51.683	ug/l	98
61) 1,2-Dibromoethane	10.97	107	118140	49.278	ug/l	100
64) Tetrachloroethene	10.60	164	133311	45.661	ug/l	98
65) Chlorobenzene	11.40	112	318296	49.392	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	121172	51.164	ug/l	100
67) Ethyl Benzene	11.48	91	543458	50.481	ug/l	100
68) m/p-Xylenes	11.59	106	425353	104.357	ug/l	98
69) o-Xylene	11.92	106	203045	52.495	ug/l	99
70) Styrene	11.94	104	352498	53.985	ug/l	98
71) Bromoform	12.10	173	93586	49.475	ug/l #	98
73) Isopropylbenzene	12.22	105	528945	51.005	ug/l	99
74) N-amyl acetate	12.04	43	197092	48.293	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	146032	48.043	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	155416m	48.404	ug/l	
77) Bromobenzene	12.50	156	136712	48.898	ug/l	98
78) n-propylbenzene	12.56	91	597757	50.598	ug/l	99
79) 2-Chlorotoluene	12.65	91	363676	49.800	ug/l	100
80) 1,3,5-Trimethylbenzene	12.70	105	453365	52.596	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.27	75	55337	47.236	ug/l	97
82) 4-Chlorotoluene	12.74	91	384193	50.191	ug/l	100
83) tert-Butylbenzene	12.96	119	365635	50.606	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	459991	52.780	ug/l	99
85) sec-Butylbenzene	13.14	105	478377	49.867	ug/l	100
86) p-Isopropyltoluene	13.26	119	449729	51.493	ug/l	99
87) 1,3-Dichlorobenzene	13.25	146	245837	49.491	ug/l	99
88) 1,4-Dichlorobenzene	13.33	146	247723	47.157	ug/l	100
89) n-Butylbenzene	13.59	91	375867	49.006	ug/l	99
90) Hexachloroethane	13.85	117	78317	51.619	ug/l	99
91) 1,2-Dichlorobenzene	13.62	146	240368	49.283	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.24	75	29418	43.013	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120720\
Data File : VN064935.D
Acq On : 7 Dec 2020 10:30
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
12/8/2020 5:03:59 PM

Quant Time: Dec 08 07:21:55 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	134986	44.739	ug/l	99
94) Hexachlorobutadiene	14.98	225	66418	48.893	ug/l	99
95) Naphthalene	15.10	128	391754	43.340	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	126480	44.276	ug/l	99

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

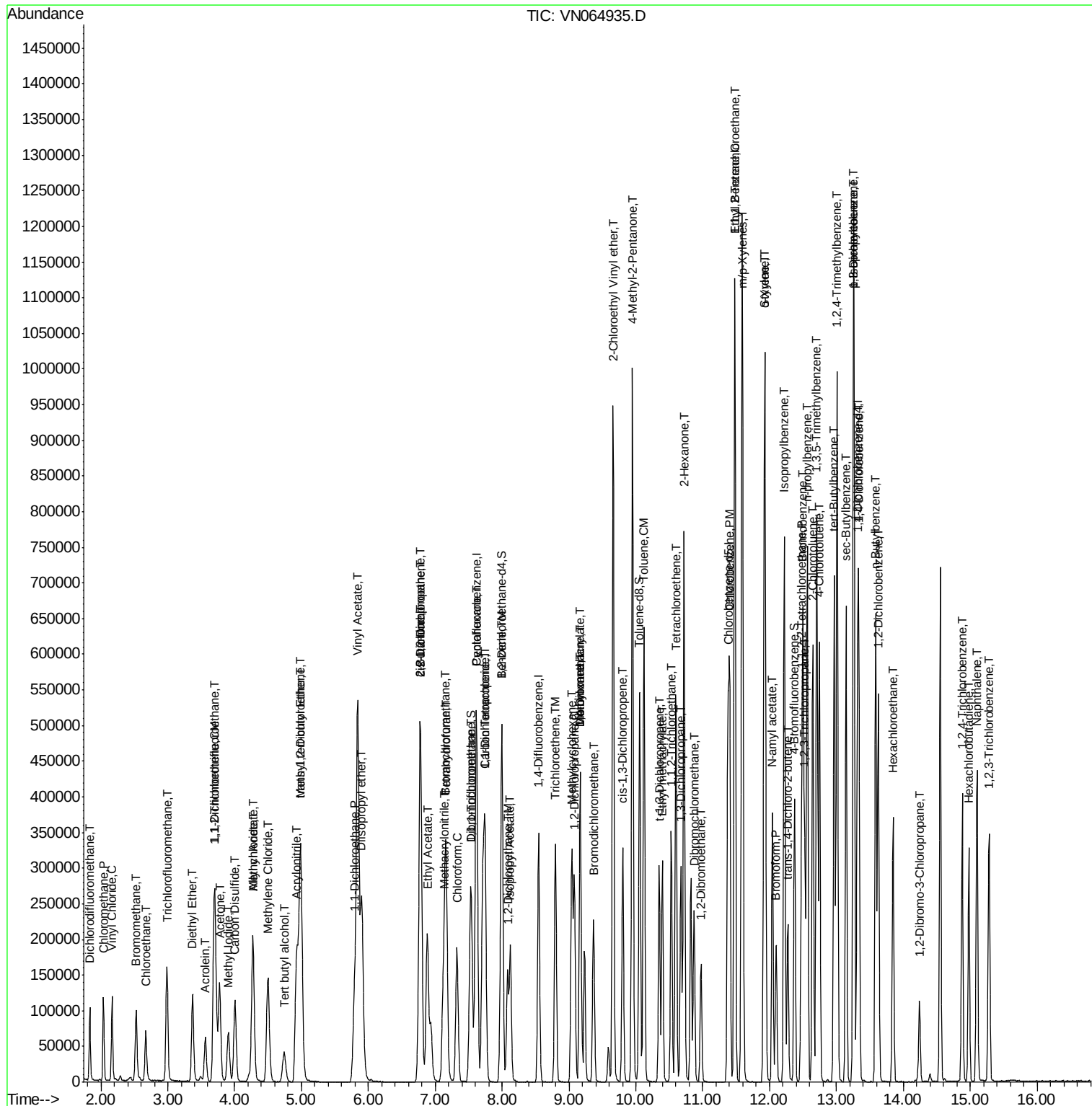
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN120720\
Data File : VN064935.D
Acq On : 7 Dec 2020 10:30
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 2 Sample Multiplier: 1

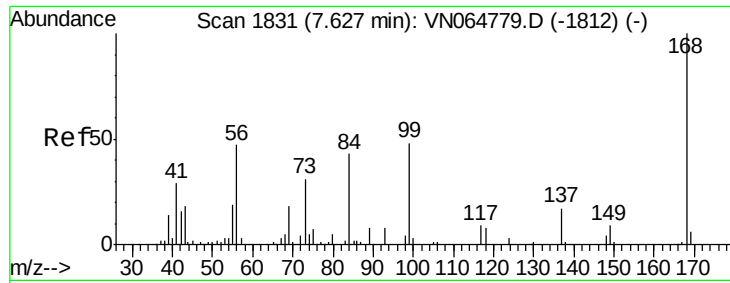
Instrument :
MSVOA_N
Client Sample Id :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
12/8/2020 5:03:59 PM

Quant Time: Dec 08 07:21:55 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
Quant Title : SW846 8260
QLast Update : Mon Nov 23 13:54:12 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1829

Delta R.T. -0.01 min

Lab File: VN064935.D

Acq: 7 Dec 2020 10:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 216228

Ion Ratio Lower Upper

168 100

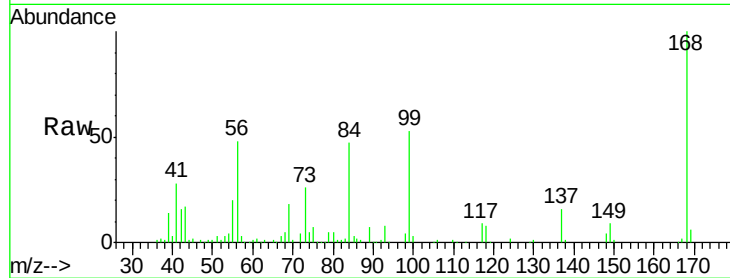
99 53.1 43.0 64.4

Manual Integrations

APPROVED

MMDadoda

12/8/2020 5:03:59 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

100000

80000

60000

40000

20000

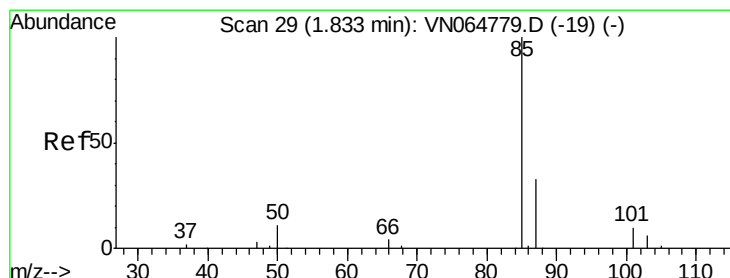
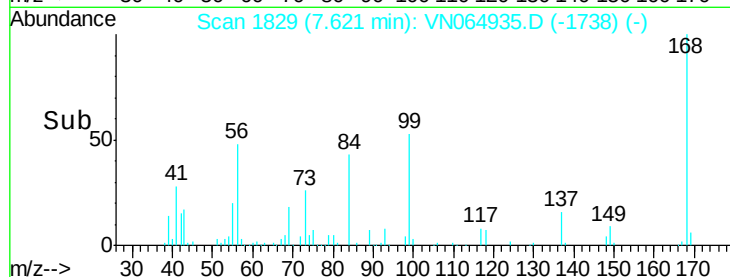
0

7.50

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 41.059 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064935.D

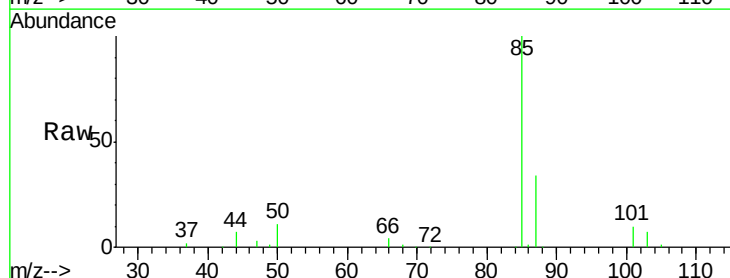
Acq: 7 Dec 2020 10:30

Tgt Ion: 85 Resp: 76945

Ion Ratio Lower Upper

85 100

87 33.9 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

60000

40000

20000

0

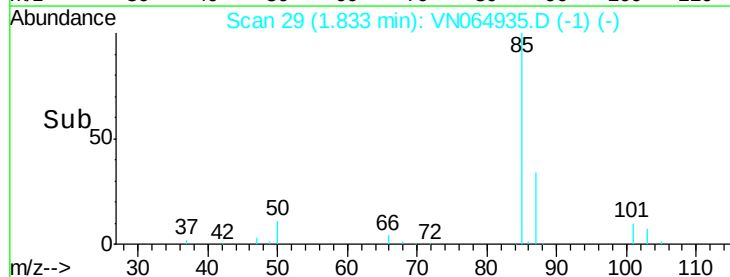
1.75

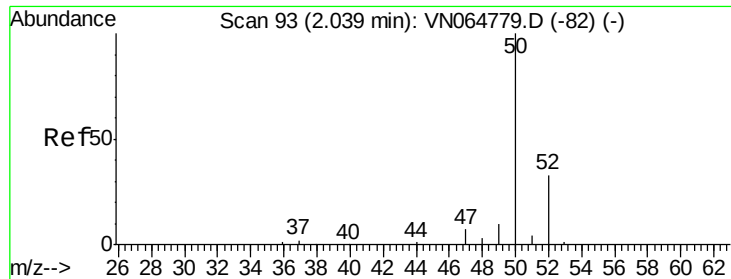
1.80

1.85

1.90

Time-->





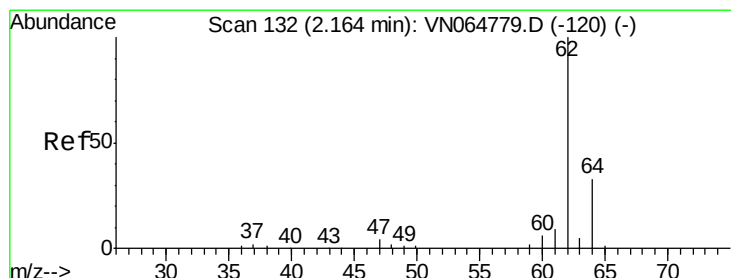
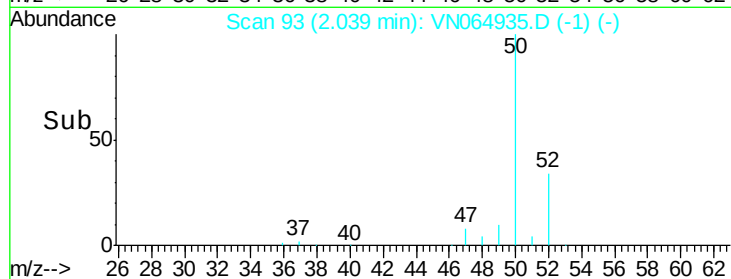
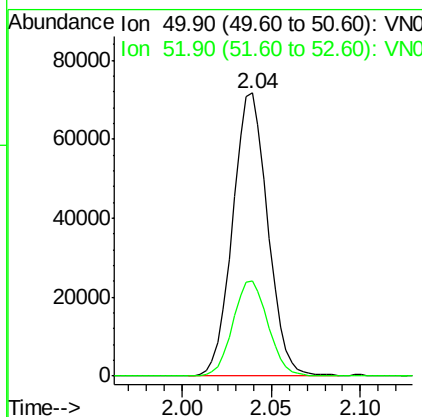
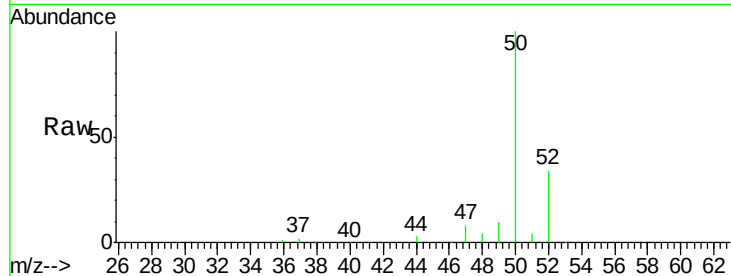
#3
Chloromethane
Concen: 40.222 ug/l
RT: 2.04 min Scan# 93
Delta R.T. 0.00 min
Lab File: VN064935.D
Acq: 7 Dec 2020 10:30

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 50 Resp: 97951
Ion Ratio Lower Upper
50 100
52 33.7 26.6 39.8

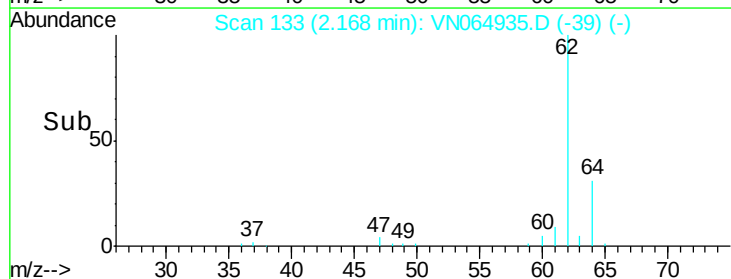
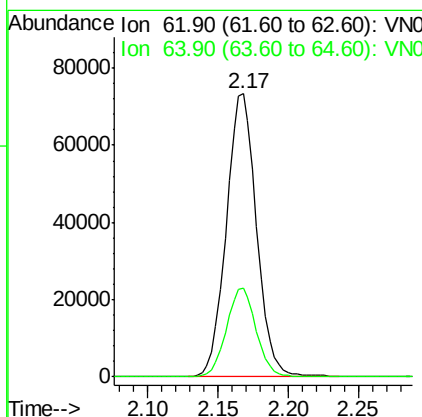
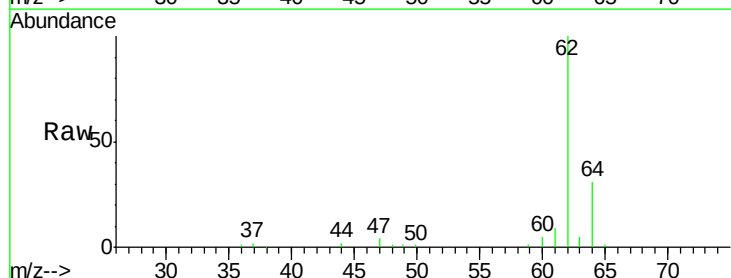
Manual Integrations
APPROVED

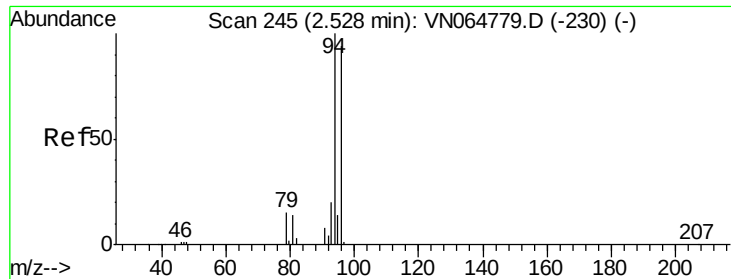
MMDadoda
12/8/2020 5:03:59 PM



#4
Vinyl Chloride
Concen: 43.180 ug/l
RT: 2.17 min Scan# 133
Delta R.T. 0.00 min
Lab File: VN064935.D
Acq: 7 Dec 2020 10:30

Tgt Ion: 62 Resp: 109632
Ion Ratio Lower Upper
62 100
64 31.4 26.5 39.7





#5

Bromomethane

Concen: 43.015 ug/l

RT: 2.53 min Scan# 245

Delta R.T. 0.00 min

Lab File: VN064935.D

Acq: 7 Dec 2020 10:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 71652

Ion Ratio Lower Upper

94 100

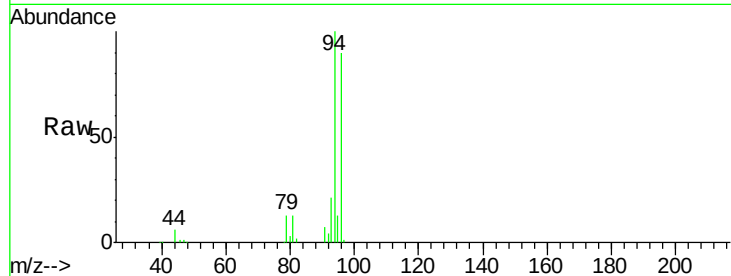
96 90.3 75.4 113.0

Manual Integrations

APPROVED

MMDadoda

12/8/2020 5:03:59 PM

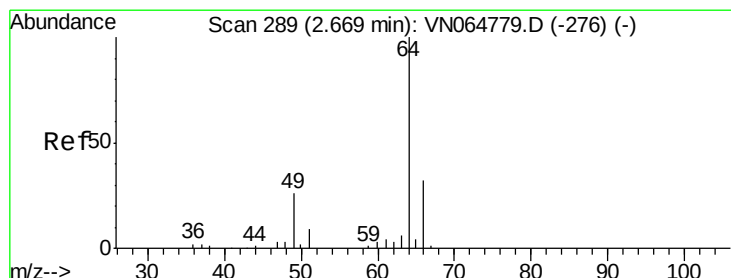
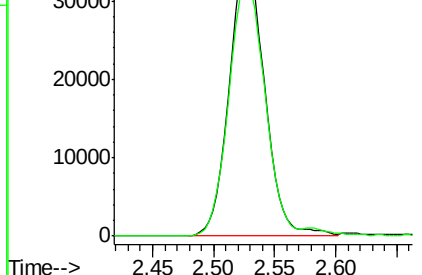
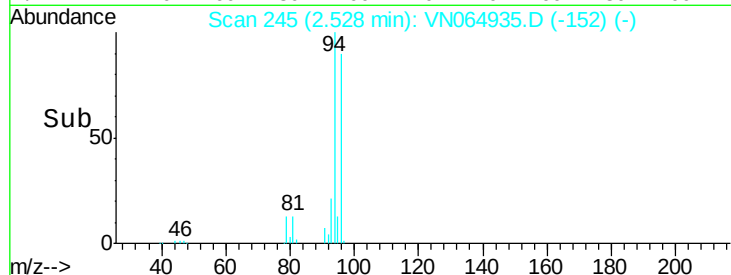


Abundance Ion 93.90 (93.60 to 94.60): VN064935.D (-152) (-)

Ion 95.90 (95.60 to 96.60): VN064935.D (-152) (-)

2.53

Time-->



#6

Chloroethane

Concen: 44.763 ug/l

RT: 2.67 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN064935.D

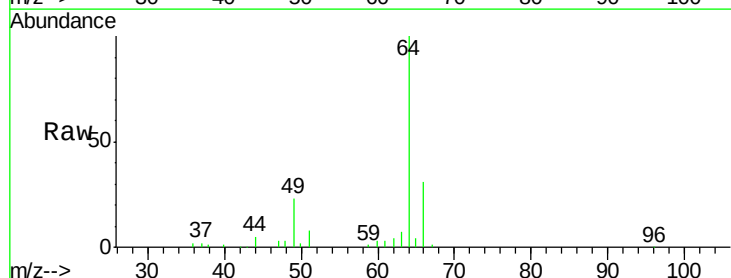
Acq: 7 Dec 2020 10:30

Tgt Ion: 64 Resp: 70294

Ion Ratio Lower Upper

64 100

66 30.7 25.6 38.4

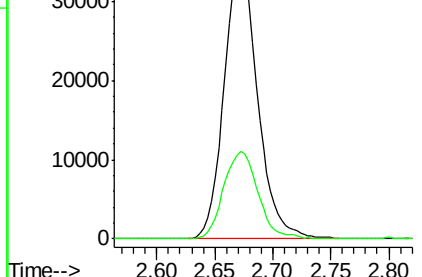
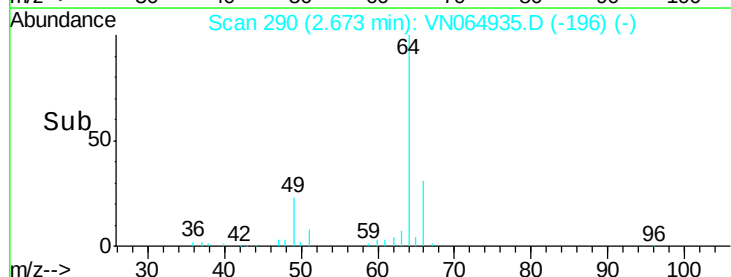


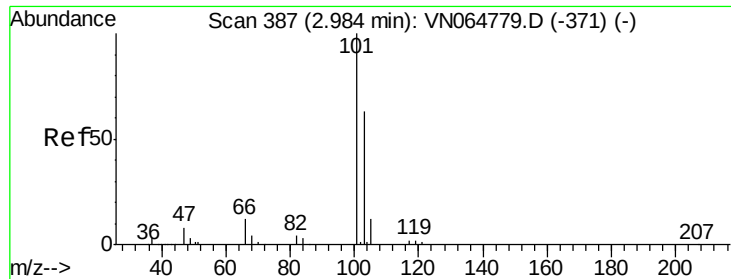
Abundance Ion 63.90 (63.60 to 64.60): VN064935.D (-196) (-)

Ion 65.90 (65.60 to 66.60): VN064935.D (-196) (-)

2.67

Time-->





#7

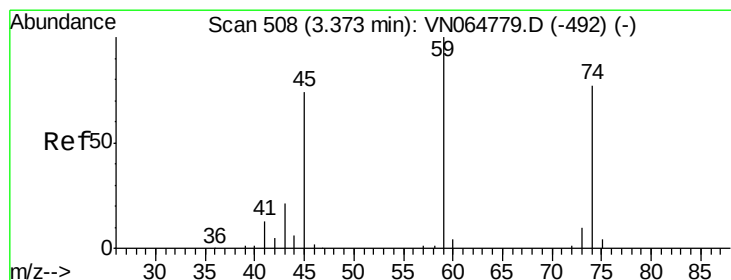
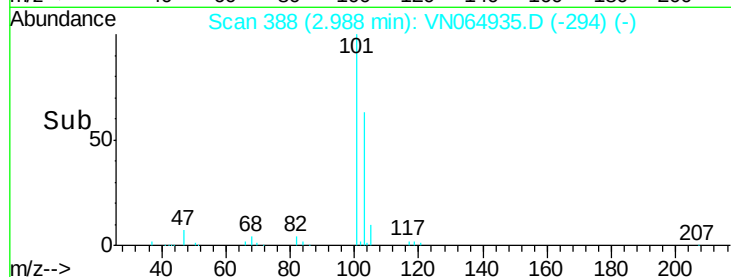
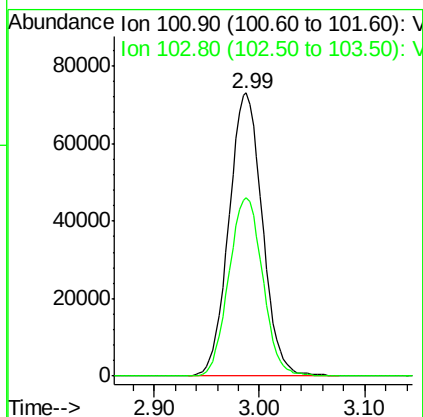
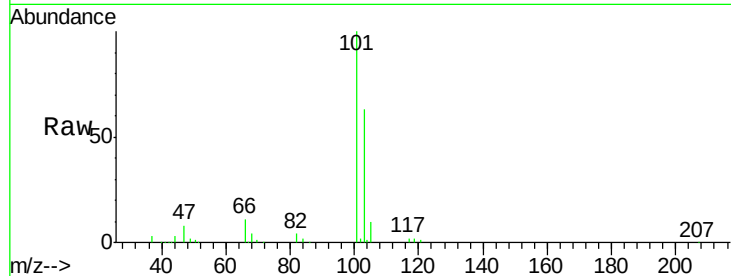
Trichlorofluoromethane
Concen: 45.753 ug/l
RT: 2.99 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN064935.D
Acq: 7 Dec 2020 10:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.9	50.5	75.7

Manual Integrations
APPROVED

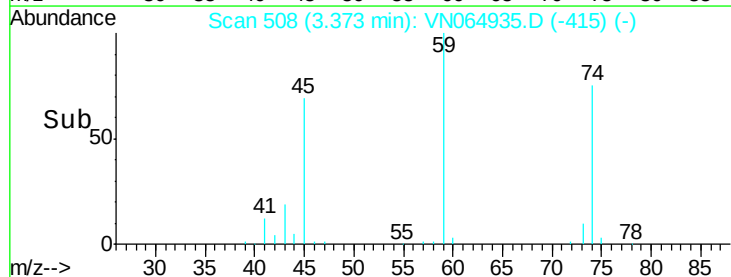
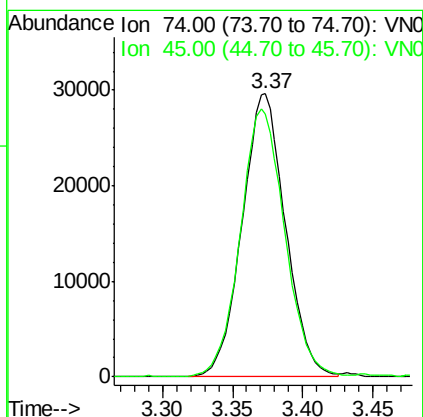
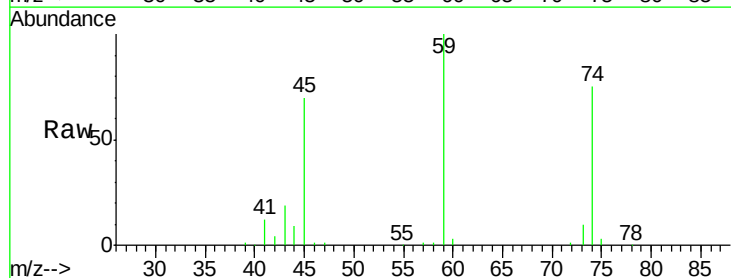
MMDadoda
12/8/2020 5:03:59 PM

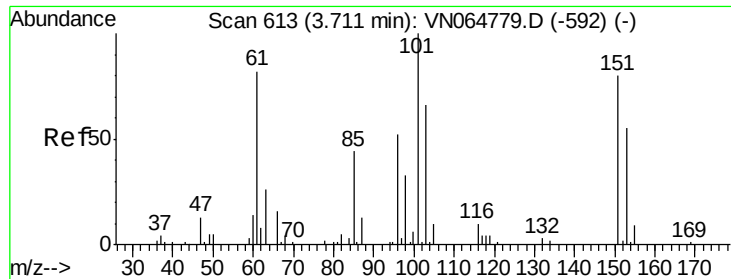


#8

Diethyl Ether
Concen: 45.962 ug/l
RT: 3.37 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN064935.D
Acq: 7 Dec 2020 10:30

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.2	48.9	146.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.418 ug/l

RT: 3.71 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN064935.D

Acq: 7 Dec 2020 10:30

Instrument :

MSVOA_N

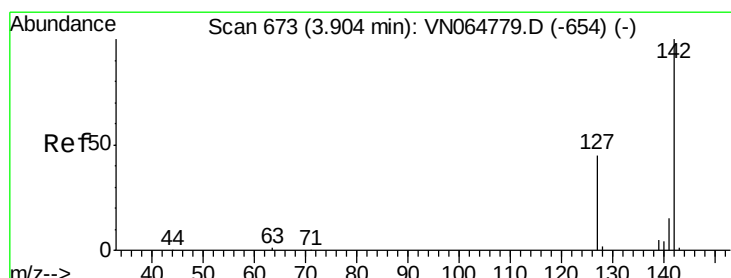
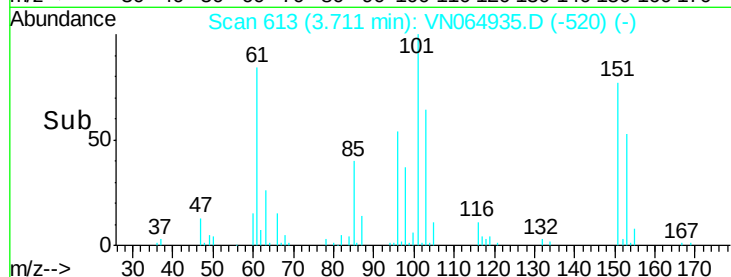
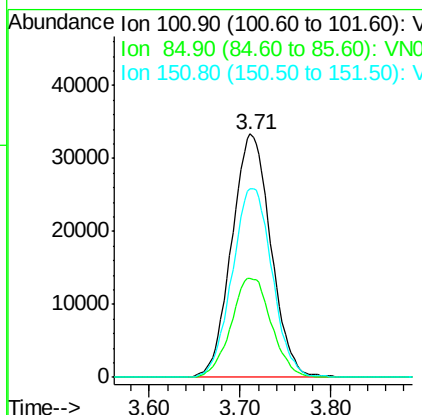
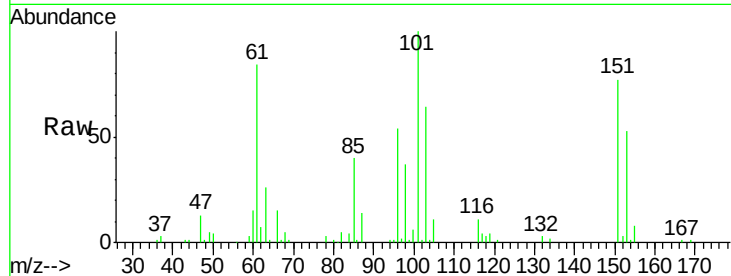
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	99832
Ion Ratio	Lower	Upper	
101	100		
85	41.7	34.4	51.6
151	78.9	64.0	96.0

Manual Integrations
APPROVED

MMDadoda
12/8/2020 5:03:59 PM



#10

Methyl Iodide

Concen: 41.997 ug/l

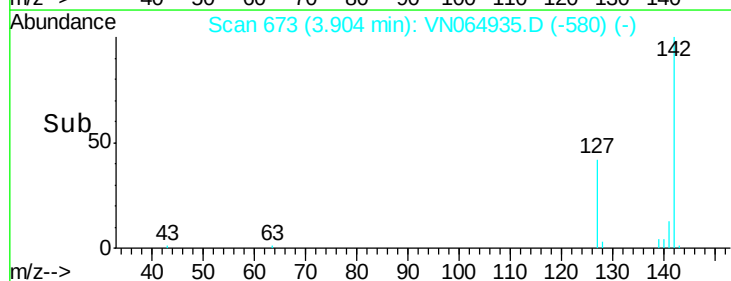
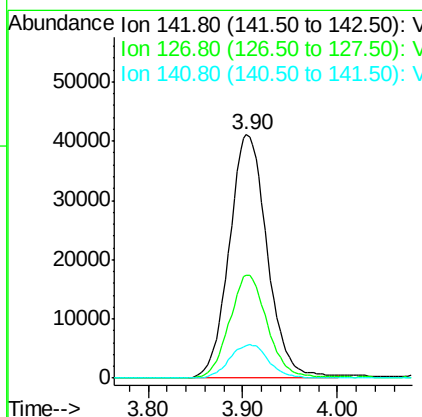
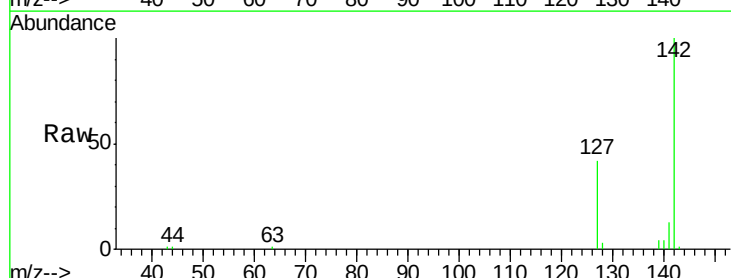
RT: 3.90 min Scan# 673

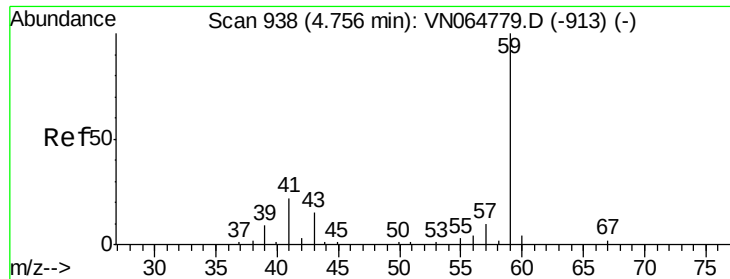
Delta R.T. 0.00 min

Lab File: VN064935.D

Acq: 7 Dec 2020 10:30

Tgt Ion:	142	Resp:	114687
Ion Ratio	Lower	Upper	
142	100		
127	42.4	35.0	52.6
141	14.0	11.8	17.6





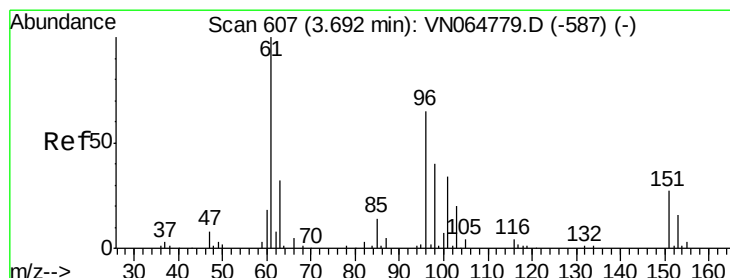
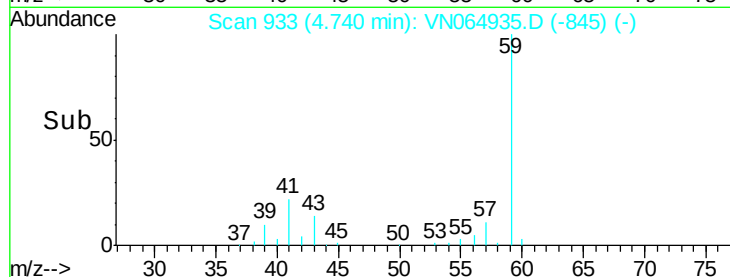
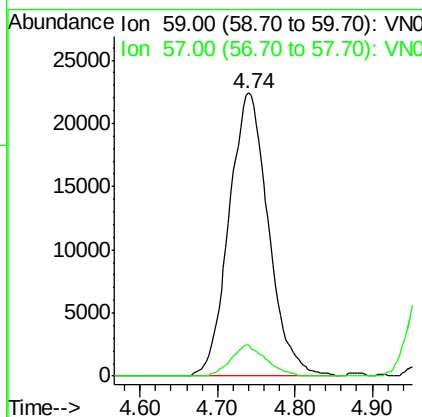
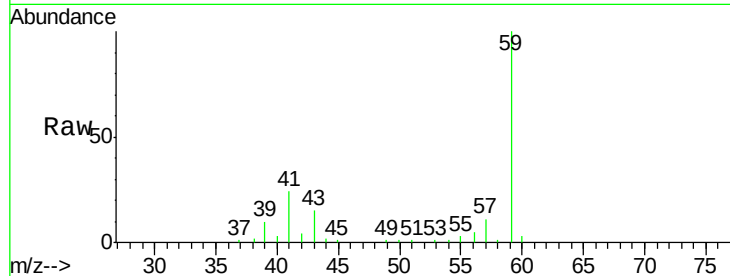
#11
Tert butyl alcohol
Concen: 201.662 ug/l
RT: 4.74 min Scan# 933
Delta R.T. -0.02 min
Lab File: VN064935.D
Acq: 7 Dec 2020 10:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 79058
Ion Ratio Lower Upper
59 100
57 9.7 7.9 11.9

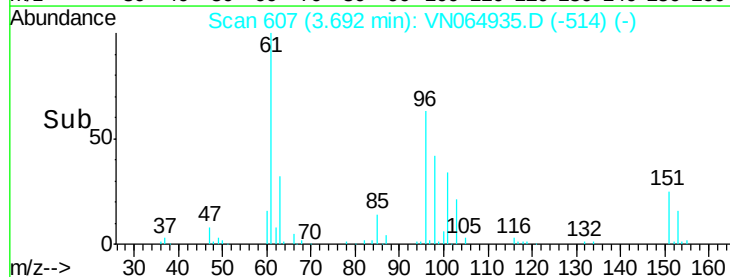
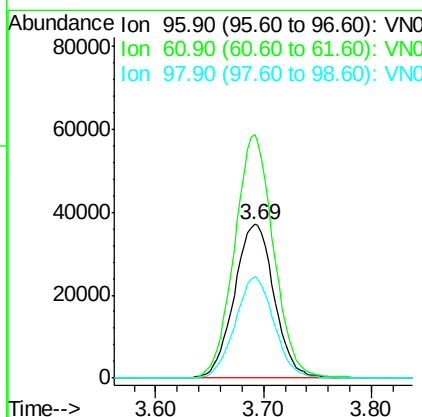
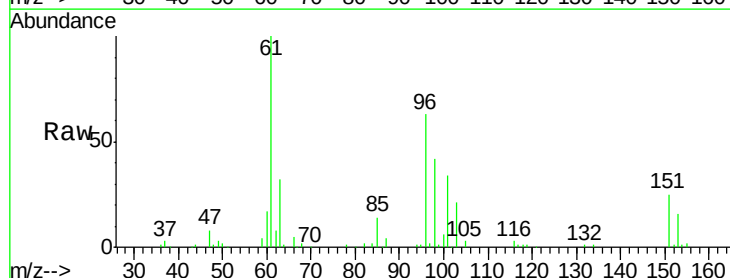
Manual Integrations
APPROVED

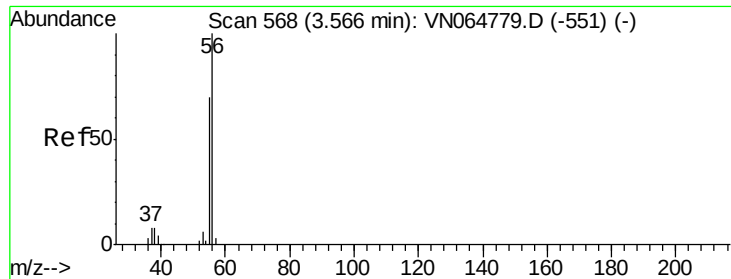
MMDadoda
12/8/2020 5:03:59 PM



#12
1,1-Dichloroethene
Concen: 45.484 ug/l
RT: 3.69 min Scan# 607
Delta R.T. 0.00 min
Lab File: VN064935.D
Acq: 7 Dec 2020 10:30

Tgt Ion: 96 Resp: 95369
Ion Ratio Lower Upper
96 100
61 158.6 123.4 185.2
98 66.3 49.8 74.8





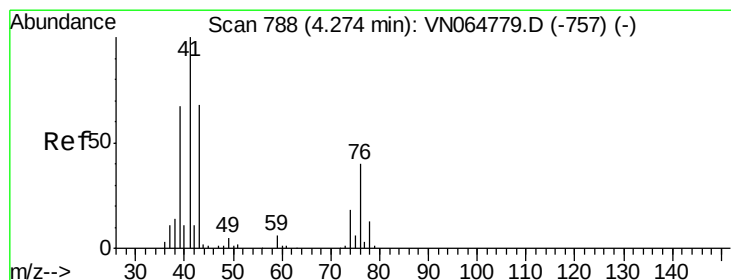
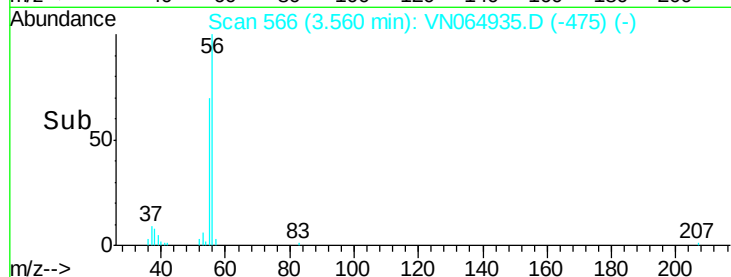
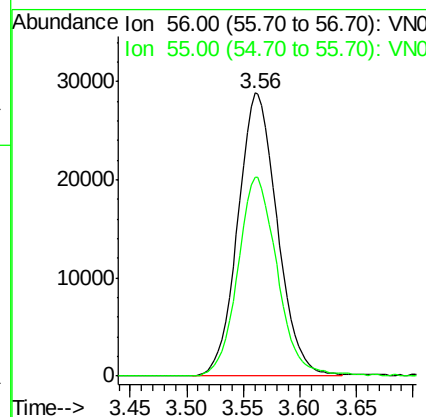
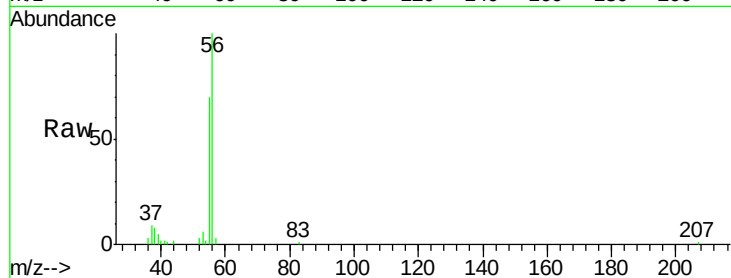
#13
Acrolein
Concen: 292.237 ug/l
RT: 3.56 min Scan# 566
Delta R.T. -0.01 min
Lab File: VN064935.D
Acq: 7 Dec 2020 10:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.0	56.5	84.7

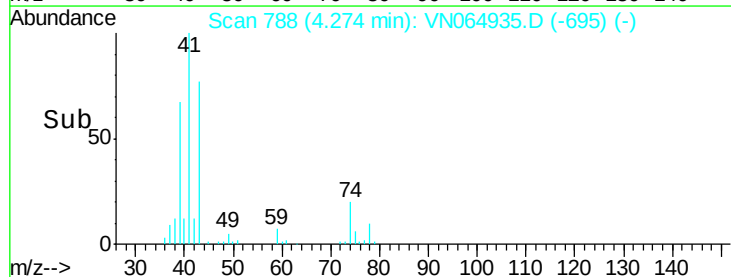
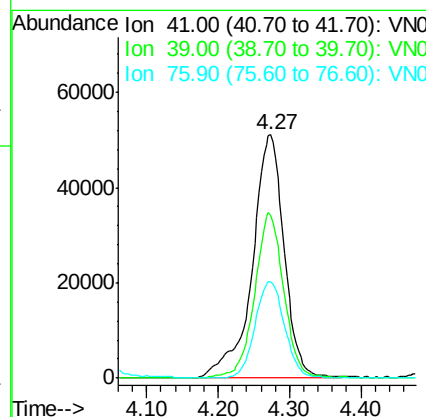
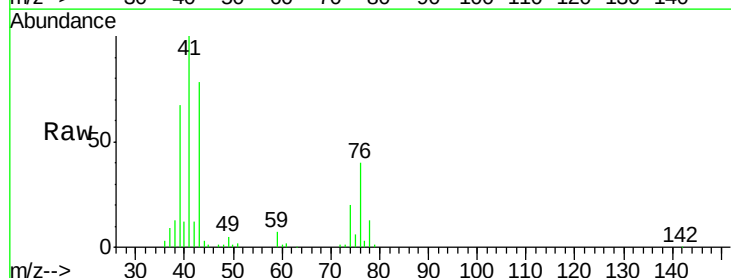
Manual Integrations
APPROVED

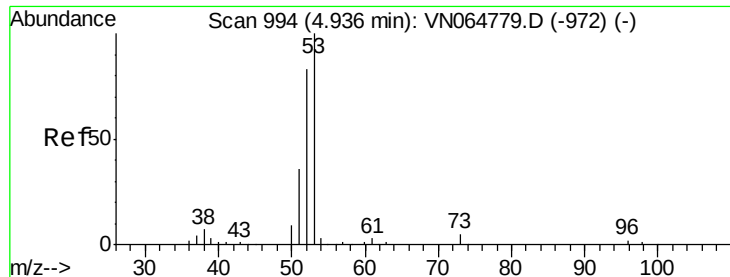
MMDadoda
12/8/2020 5:03:59 PM



#14
Allyl chloride
Concen: 45.902 ug/l
RT: 4.27 min Scan# 788
Delta R.T. 0.00 min
Lab File: VN064935.D
Acq: 7 Dec 2020 10:30

Tgt Ion	Ratio	Lower	Upper
41	100		
39	62.1	50.9	76.3
76	36.8	29.0	43.4





#15

Acrylonitrile

Concen: 226.223 ug/l

RT: 4.93 min Scan# 991

Delta R.T. -0.01 min

Lab File: VN064935.D

Acq: 7 Dec 2020 10:30

Instrument :

MSVOA_N

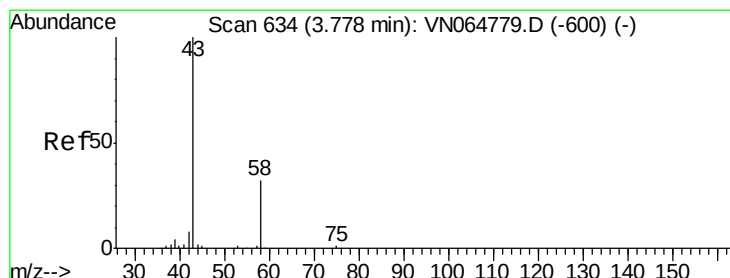
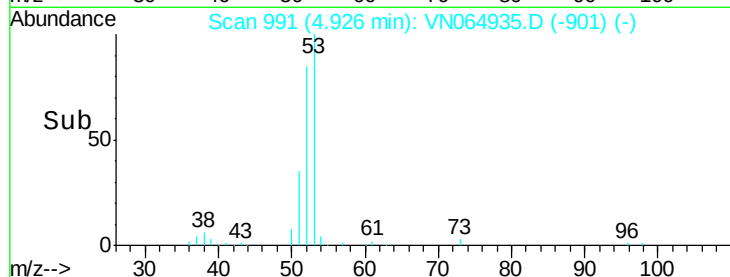
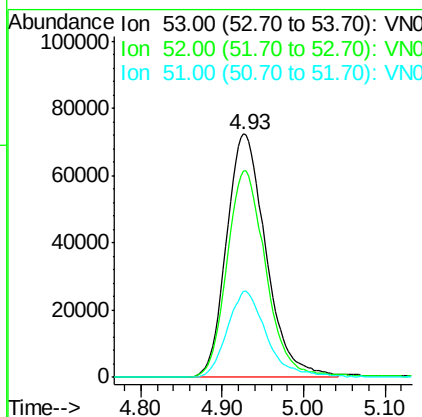
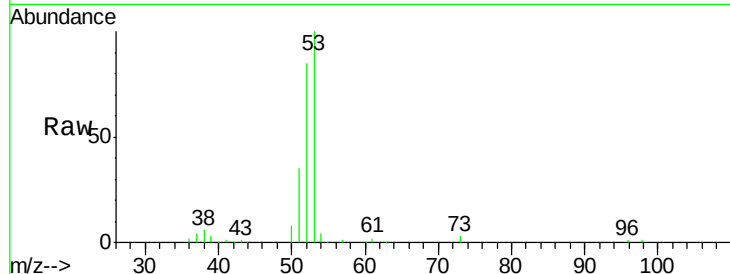
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	244999
Ion	Ratio	Lower	Upper
53	100		
52	83.1	65.5	98.3
51	35.4	28.6	43.0

Manual Integrations
APPROVED

MMDadoda
12/8/2020 5:03:59 PM



#16

Acetone

Concen: 266.865 ug/l

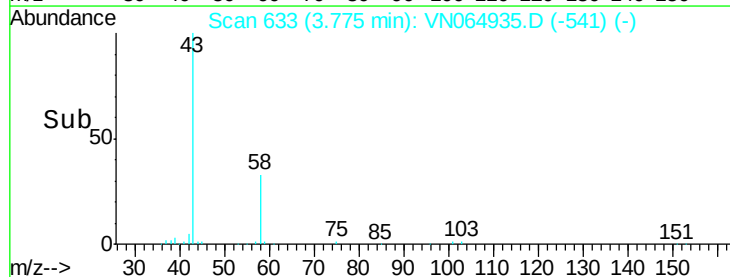
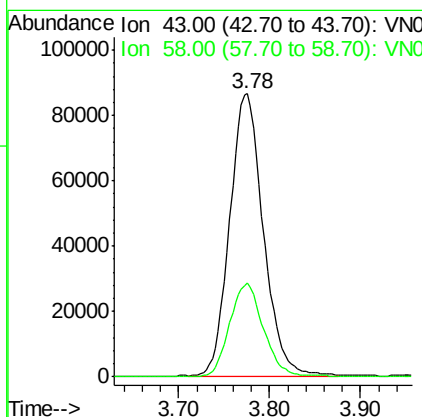
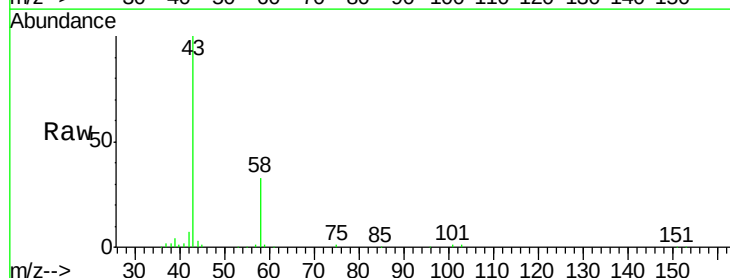
RT: 3.78 min Scan# 633

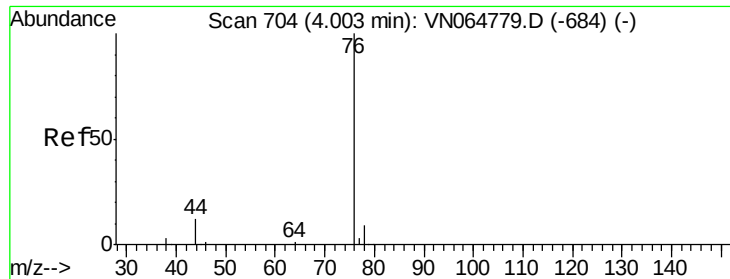
Delta R.T. -0.00 min

Lab File: VN064935.D

Acq: 7 Dec 2020 10:30

Tgt Ion:	43	Resp:	220525
Ion	Ratio	Lower	Upper
43	100		
58	33.2	25.7	38.5





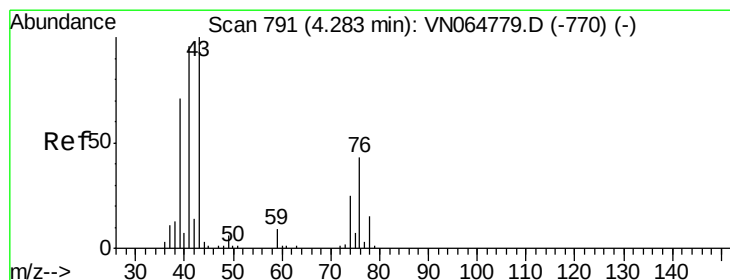
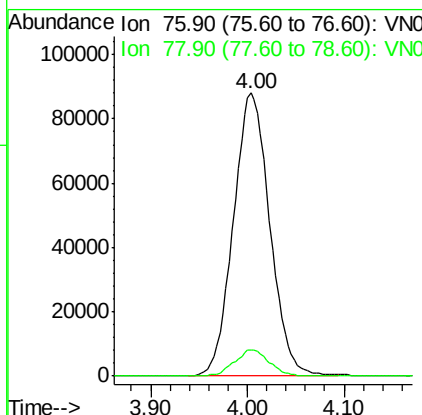
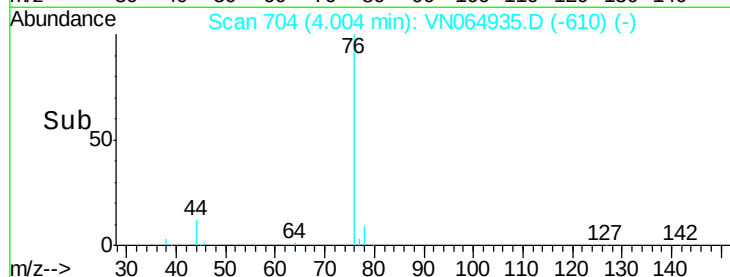
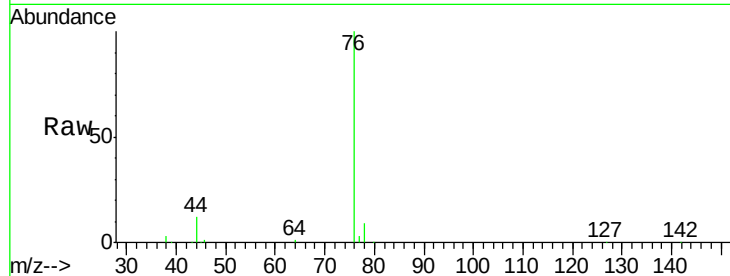
#17
Carbon Disulfide
Concen: 42.640 ug/l
RT: 4.00 min Scan# 704
Delta R.T. 0.00 min
Lab File: VN064935.D
Acq: 7 Dec 2020 10:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.4	11.0

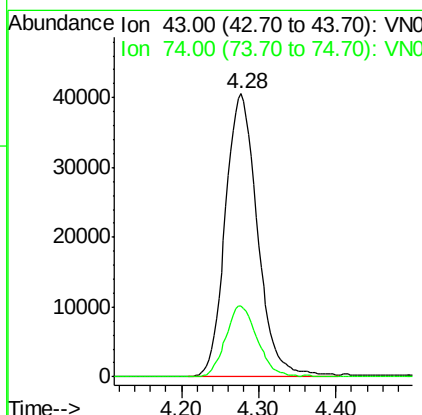
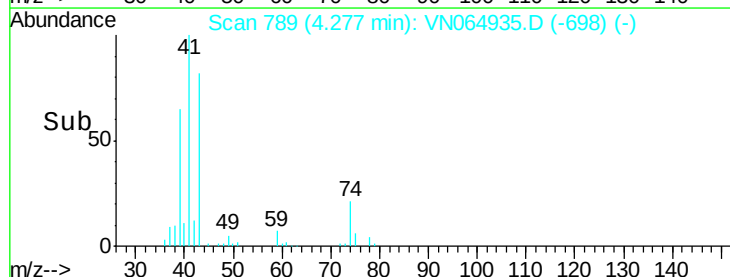
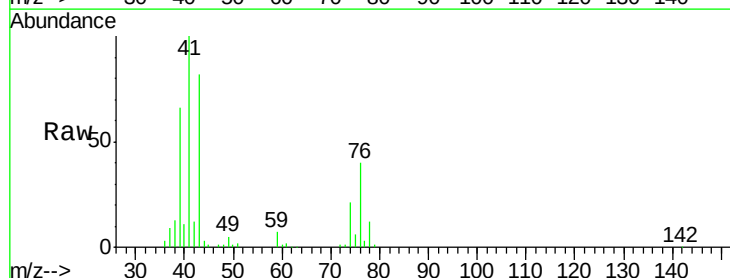
Manual Integrations
APPROVED

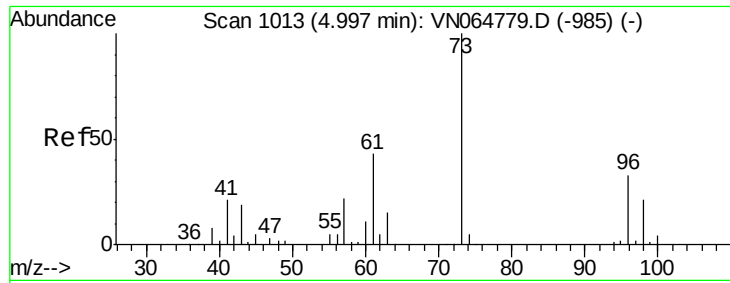
MMDadoda
12/8/2020 5:03:59 PM



#18
Methyl Acetate
Concen: 47.184 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.01 min
Lab File: VN064935.D
Acq: 7 Dec 2020 10:30

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.7	20.2	30.2





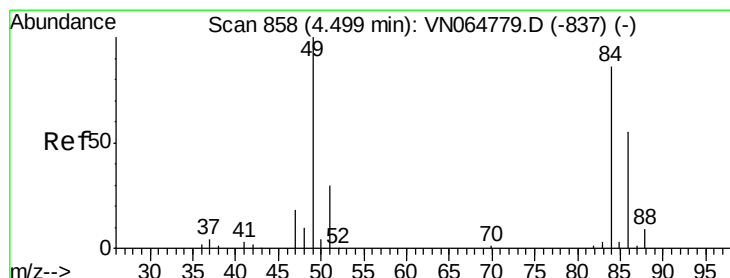
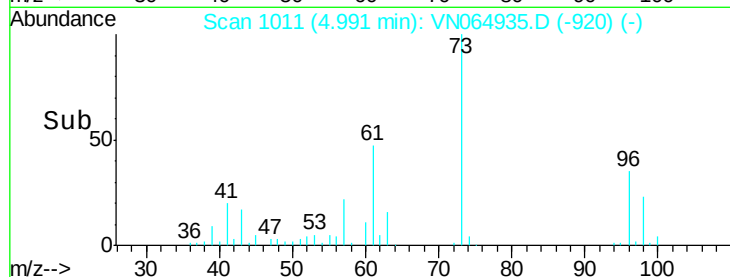
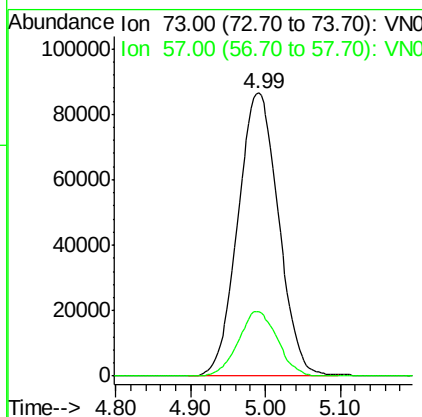
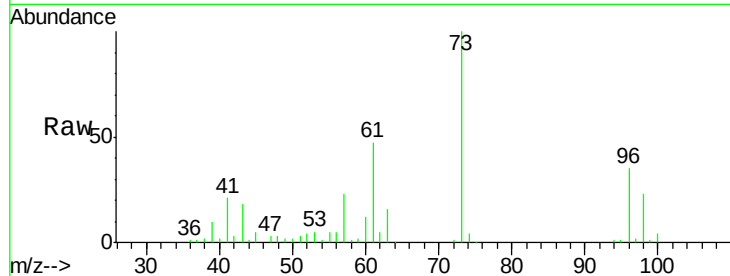
#19
Methyl tert-butyl Ether
Concen: 48.664 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VN064935.D
Acq: 7 Dec 2020 10:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 327257
Ion Ratio Lower Upper
73 100
57 22.7 17.4 26.0

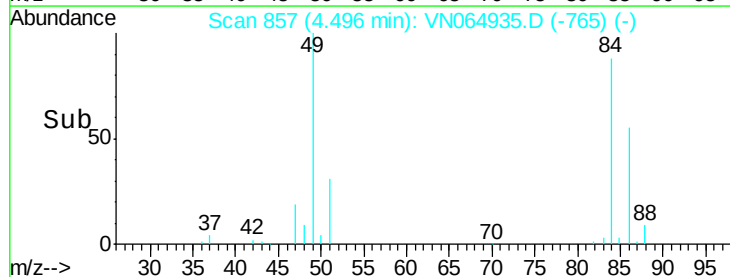
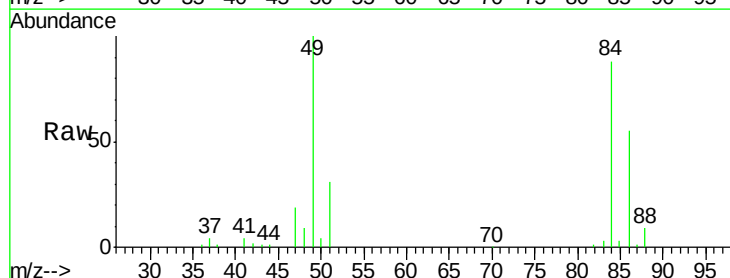
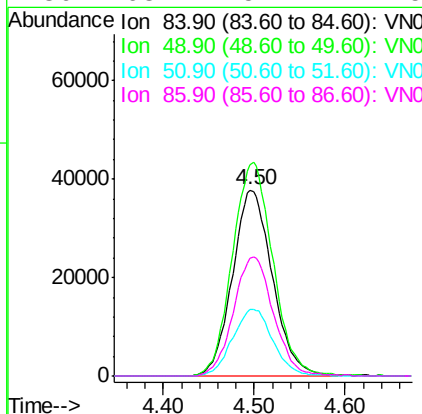
Manual Integrations
APPROVED

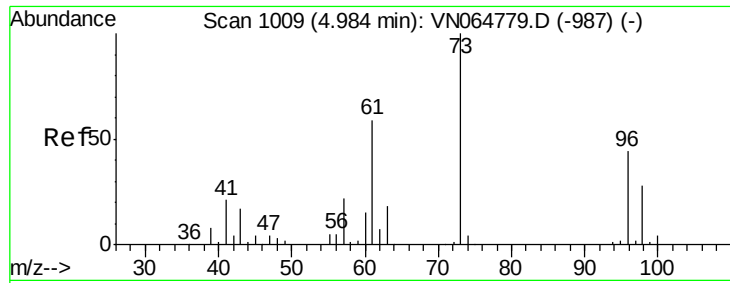
MMDadoda
12/8/2020 5:03:59 PM



#20
Methylene Chloride
Concen: 44.494 ug/l
RT: 4.50 min Scan# 857
Delta R.T. -0.00 min
Lab File: VN064935.D
Acq: 7 Dec 2020 10:30

Tgt Ion: 84 Resp: 115214
Ion Ratio Lower Upper
84 100
49 113.8 93.4 140.0
51 35.7 28.2 42.4
86 63.1 51.7 77.5





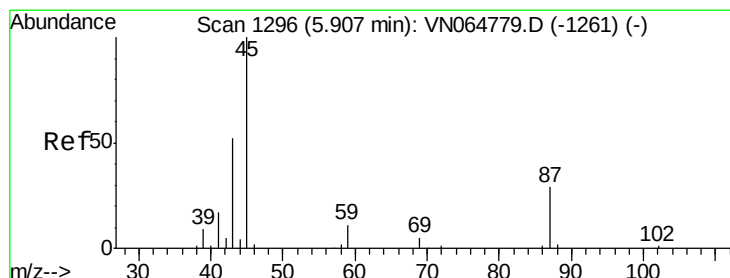
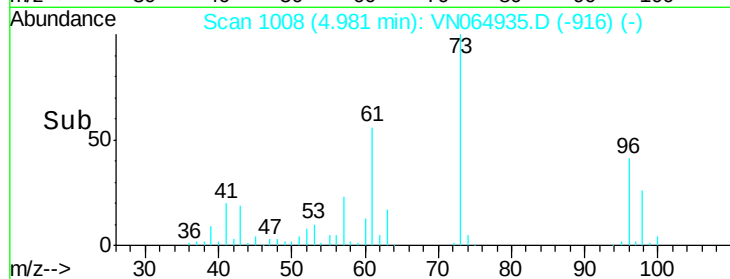
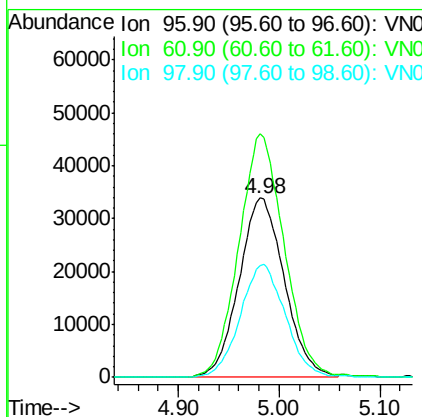
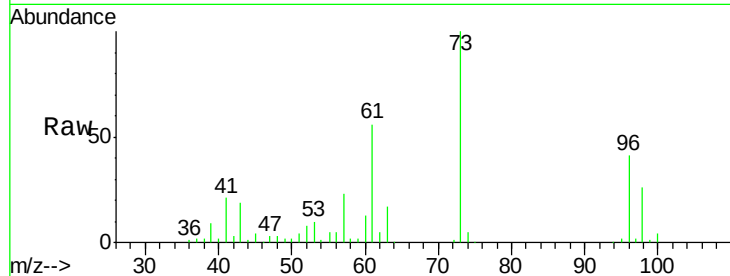
#21
trans-1,2-Dichloroethene
Concen: 45.391 ug/l
RT: 4.98 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN064935.D
Acq: 7 Dec 2020 10:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.6	108.4	162.6
98	62.5	51.3	76.9

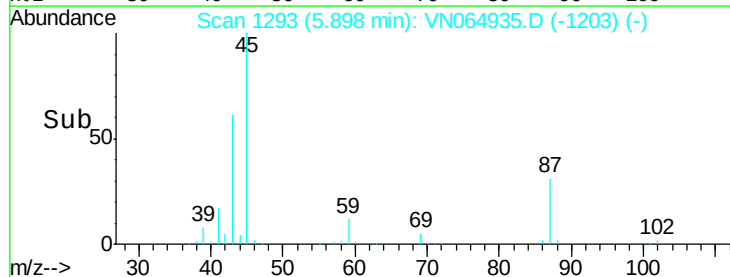
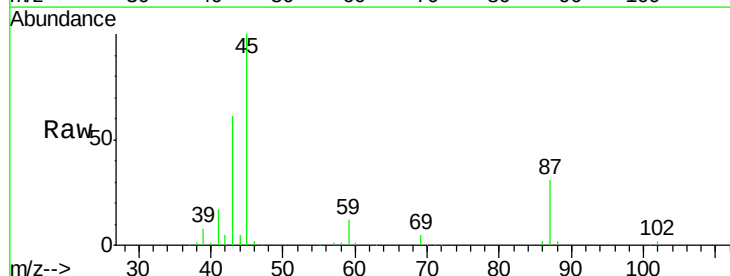
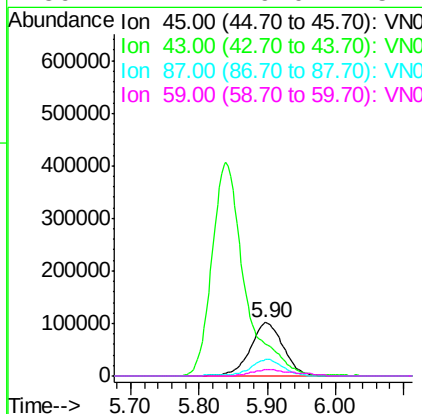
Manual Integrations
APPROVED

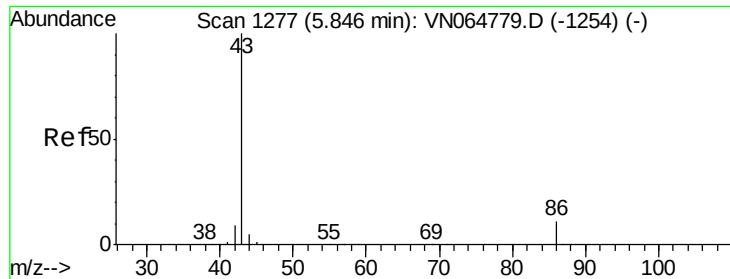
MMDadoda
12/8/2020 5:03:59 PM



#22
Diisopropyl ether
Concen: 49.334 ug/l
RT: 5.90 min Scan# 1293
Delta R.T. -0.01 min
Lab File: VN064935.D
Acq: 7 Dec 2020 10:30

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.1	46.2	69.2
87	30.6	24.1	36.1
59	11.7	9.0	13.4





#23

Vinyl Acetate

Concen: 245.559 ug/l

RT: 5.84 min Scan# 1275

Delta R.T. -0.01 min

Lab File: VN064935.D

Acq: 7 Dec 2020 10:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1359262

Ion Ratio Lower Upper

43 100

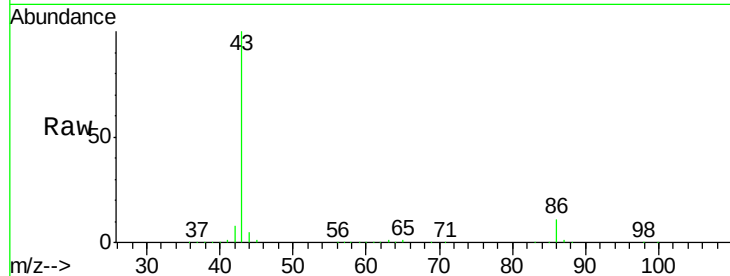
86 10.7 8.9 13.3

Manual Integrations

APPROVED

MMDadoda

12/8/2020 5:03:59 PM



Abundance Ion 43.00 (42.70 to 43.70): VN064935.D (-1184) (-)

Ion 86.00 (85.70 to 86.70): VN064935.D (-1184) (-)

5.84

400000

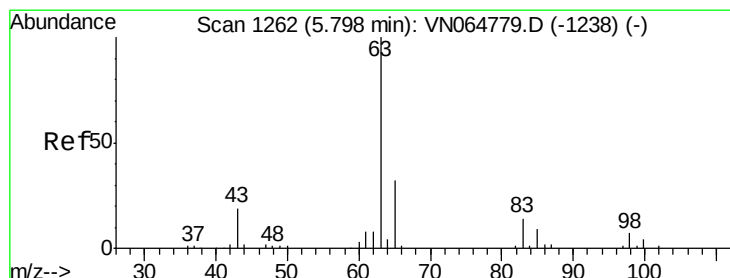
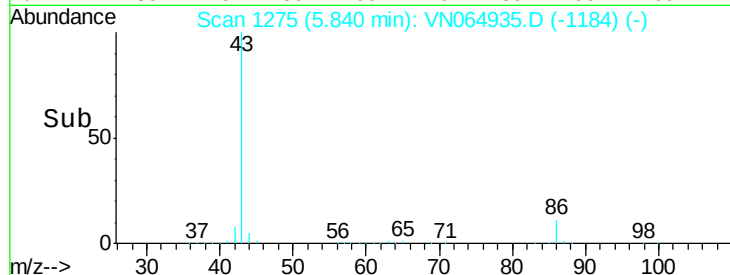
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 47.876 ug/l

RT: 5.79 min Scan# 1260

Delta R.T. -0.01 min

Lab File: VN064935.D

Acq: 7 Dec 2020 10:30

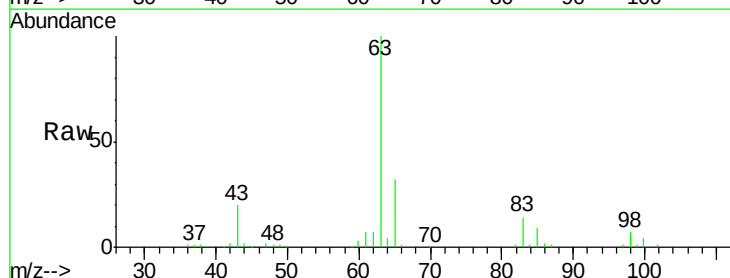
Tgt Ion: 63 Resp: 198056

Ion Ratio Lower Upper

63 100

98 6.7 3.5 10.5

100 4.4 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VN064935.D (-1169) (-)

Ion 97.90 (97.60 to 98.60): VN064935.D (-1169) (-)

Ion 99.90 (99.60 to 100.60): VN064935.D (-1169) (-)

5.79

80000

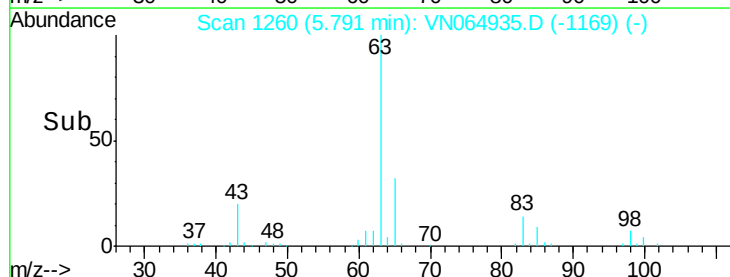
60000

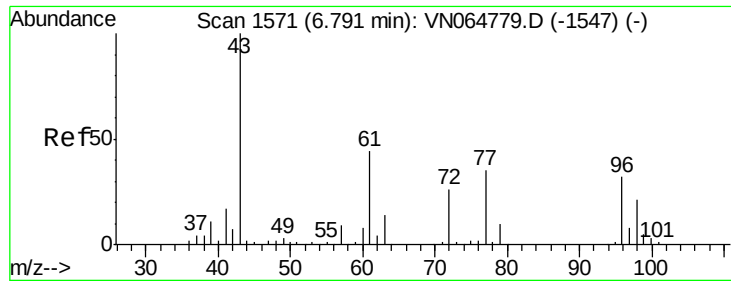
40000

20000

0

Time-->





#25

2-Butanone

Concen: 244.300 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. -0.01 min

Lab File: VN064935.D

Acq: 7 Dec 2020 10:30

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 327255

Ion Ratio Lower Upper

43 100

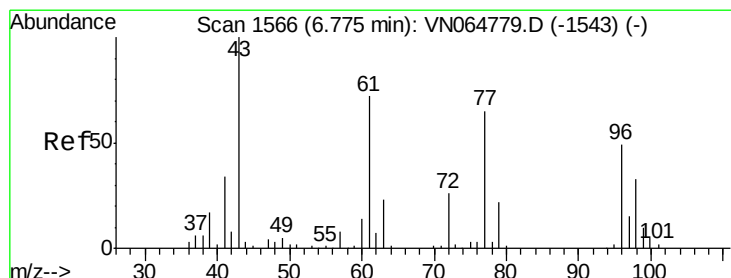
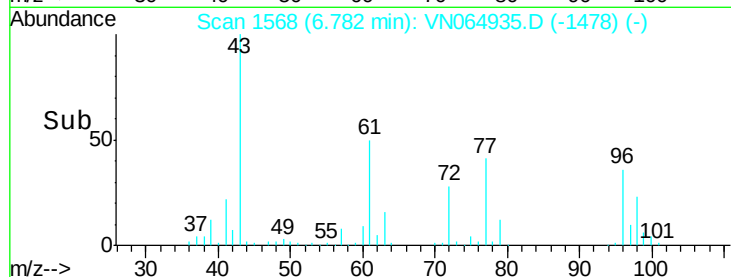
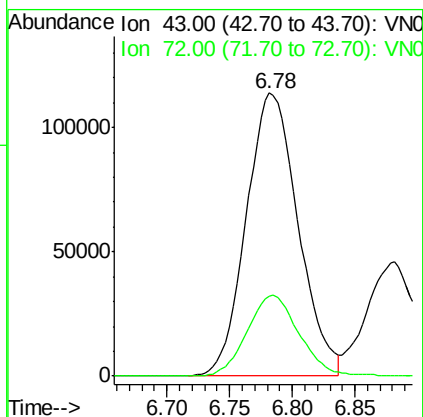
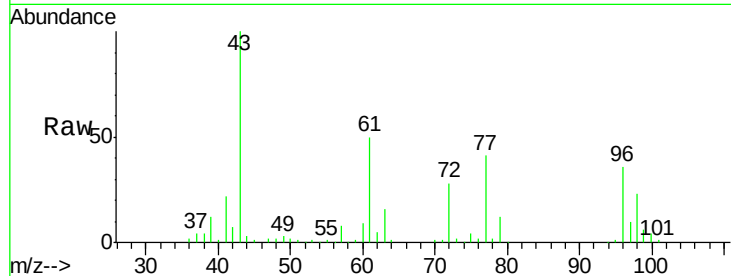
72 28.3 21.0 31.6

Manual Integrations

APPROVED

MMDadoda

12/8/2020 5:03:59 PM



#26

2,2-Dichloropropane

Concen: 47.501 ug/l

RT: 6.77 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN064935.D

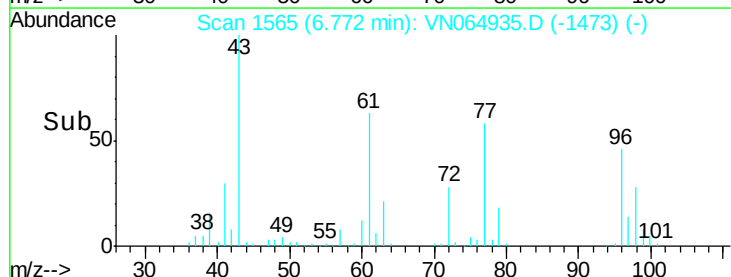
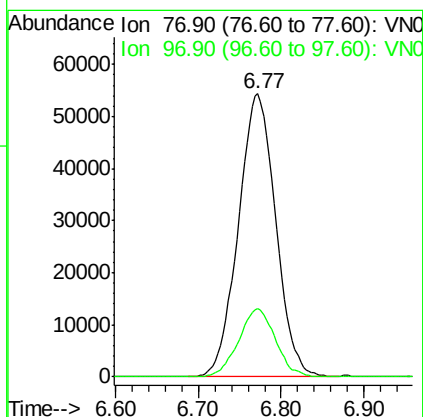
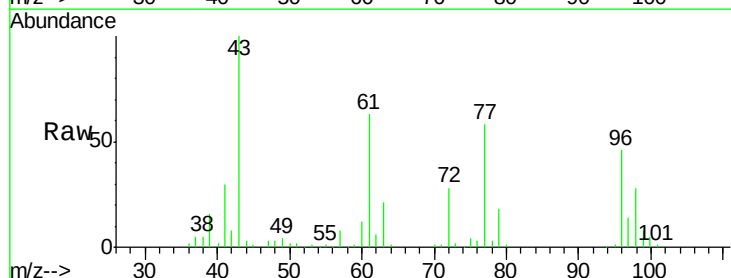
Acq: 7 Dec 2020 10:30

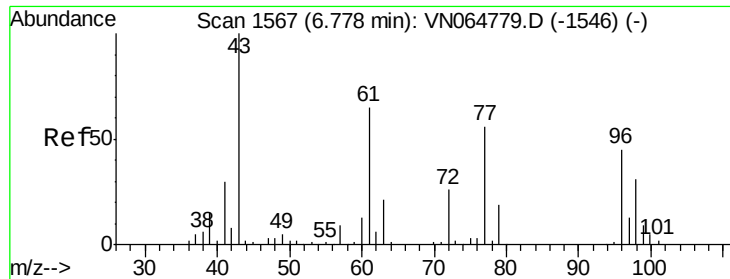
Tgt Ion: 77 Resp: 170430

Ion Ratio Lower Upper

77 100

97 23.7 11.7 35.0





#27

cis-1,2-Dichloroethene

Concen: 48.207 ug/l

RT: 6.77 min Scan# 1565

Delta R.T. -0.01 min

Lab File: VN064935.D

Acq: 7 Dec 2020 10:30

Instrument :

MSVOA_N

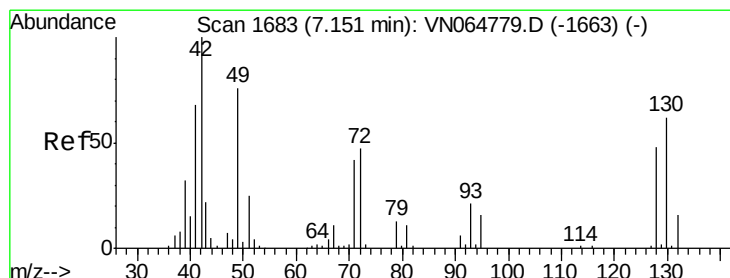
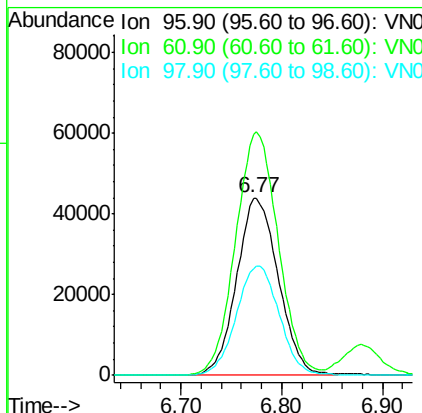
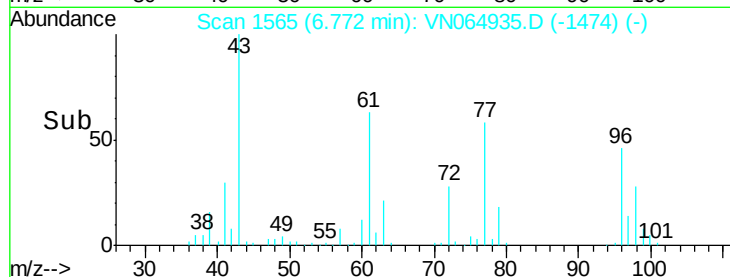
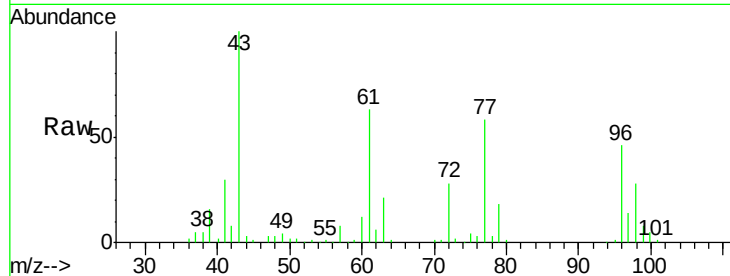
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	126309
Ion	Ratio	Lower	Upper
96	100		
61	140.4	0.0	285.8
98	63.3	0.0	130.6

Manual Integrations
APPROVED

MMDadoda
12/8/2020 5:03:59 PM



#28

Bromochloromethane

Concen: 48.025 ug/l

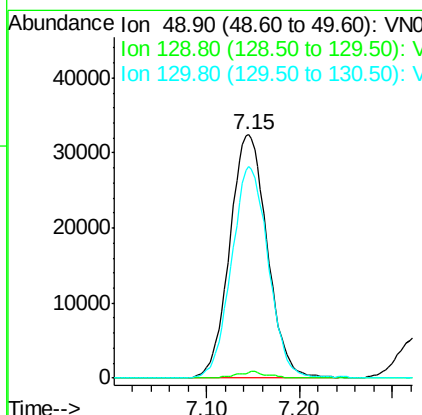
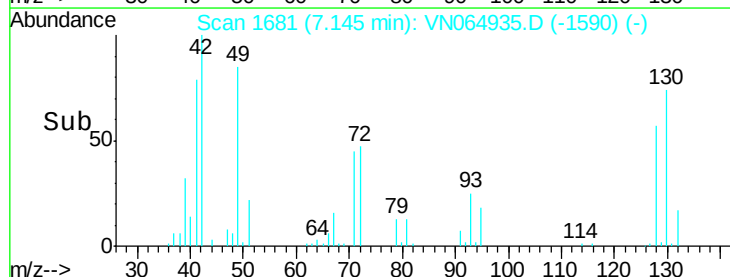
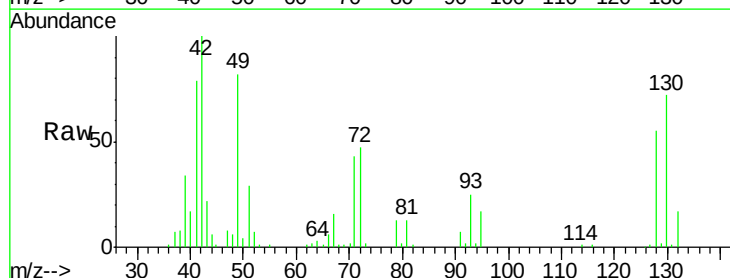
RT: 7.15 min Scan# 1681

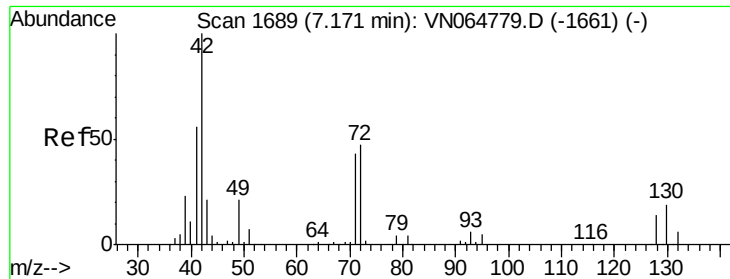
Delta R.T. -0.01 min

Lab File: VN064935.D

Acq: 7 Dec 2020 10:30

Tgt Ion:	49	Resp:	90887
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.8
130	85.0	66.2	99.2





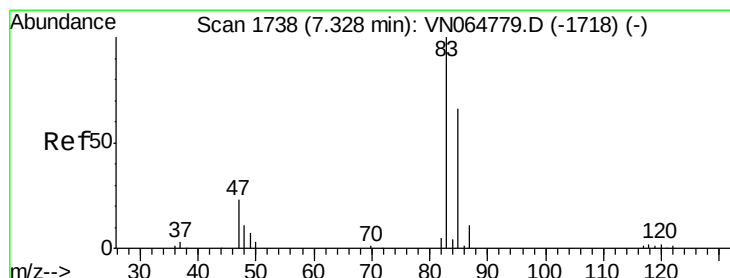
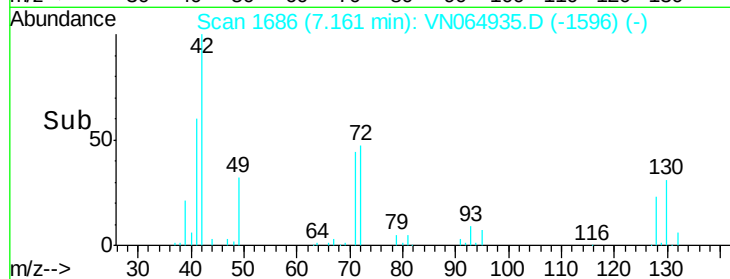
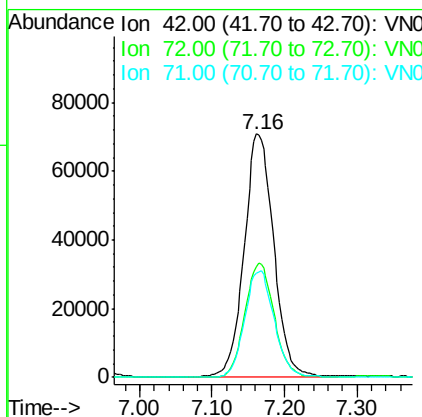
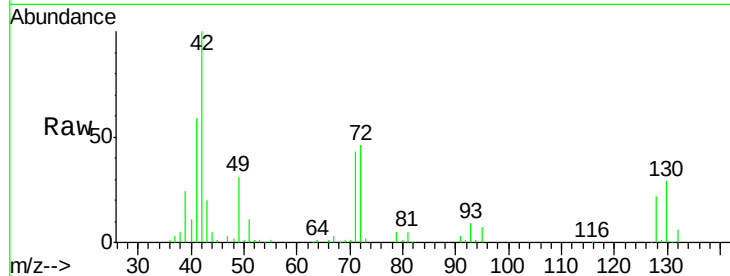
#29
Tetrahydrofuran
Concen: 218.599 ug/l
RT: 7.16 min Scan# 1686
Delta R.T. -0.01 min
Lab File: VN064935.D
Acq: 7 Dec 2020 10:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.3	36.6	54.8
71	43.3	33.6	50.4

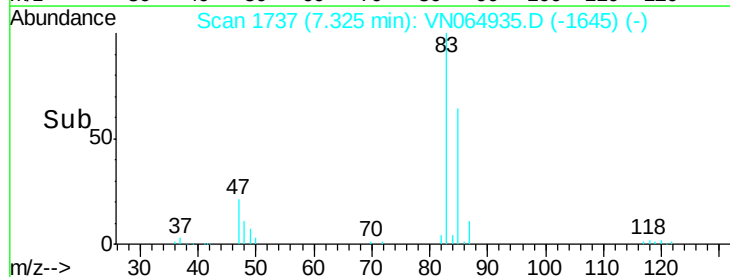
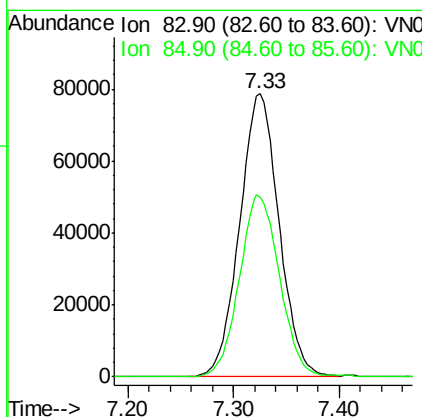
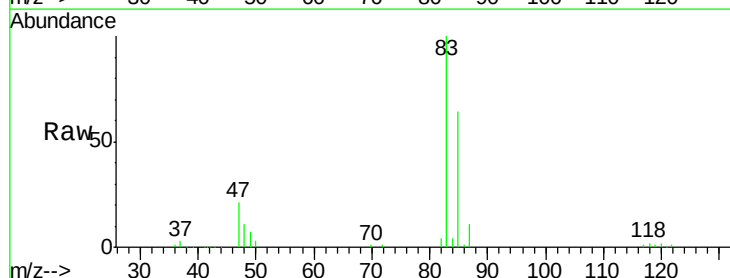
Manual Integrations
APPROVED

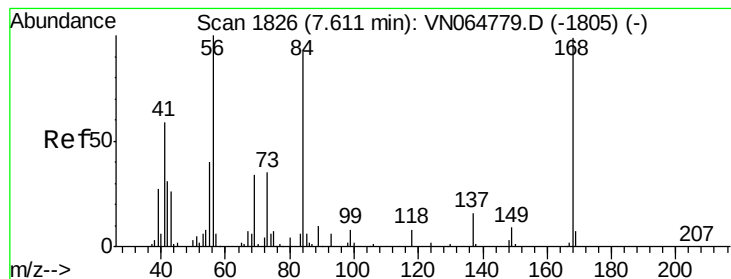
MMDadoda
12/8/2020 5:03:59 PM



#30
Chloroform
Concen: 47.998 ug/l
RT: 7.33 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN064935.D
Acq: 7 Dec 2020 10:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	52.6	78.8





#31

Cyclohexane

Concen: 42.902 ug/l

RT: 7.61 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN064935.D

Acq: 7 Dec 2020 10:30

Instrument :

MSVOA_N

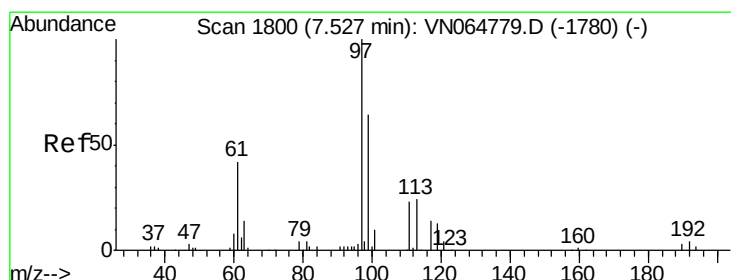
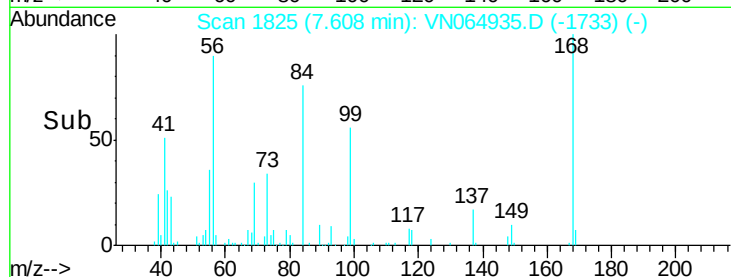
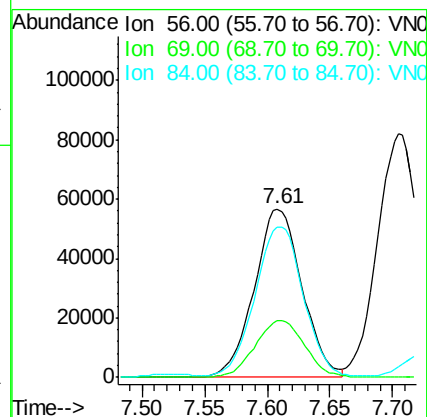
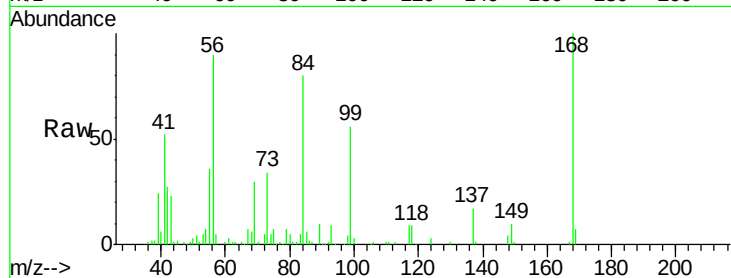
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	150314
Ion	Ratio	Lower	Upper
56	100		
69	33.5	27.5	41.3
84	87.6	73.9	110.9

Manual Integrations
APPROVED

MMDadoda
12/8/2020 5:03:59 PM



#32

1,1,1-Trichloroethane

Concen: 47.657 ug/l

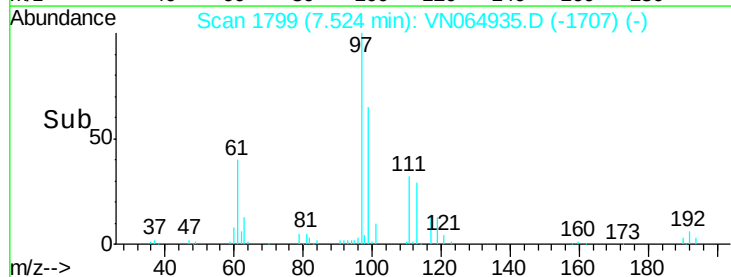
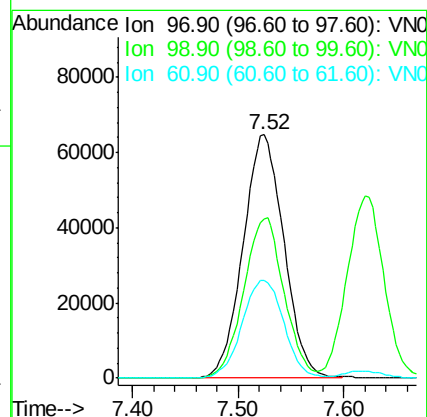
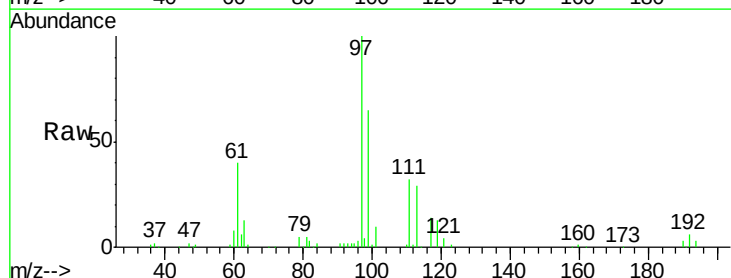
RT: 7.52 min Scan# 1799

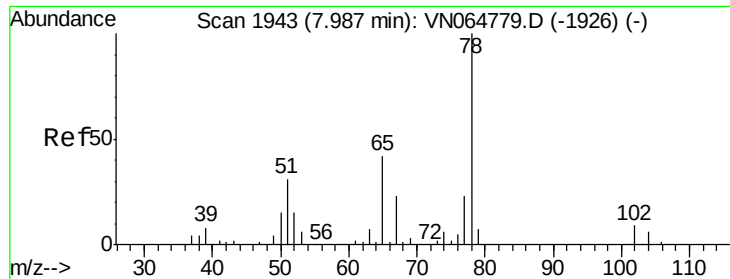
Delta R.T. -0.00 min

Lab File: VN064935.D

Acq: 7 Dec 2020 10:30

Tgt Ion:	97	Resp:	174615
Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.7	77.5
61	40.9	33.9	50.9





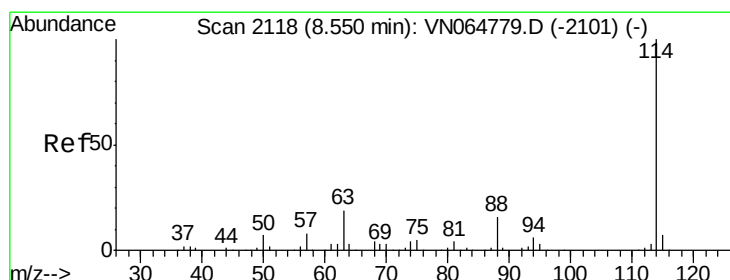
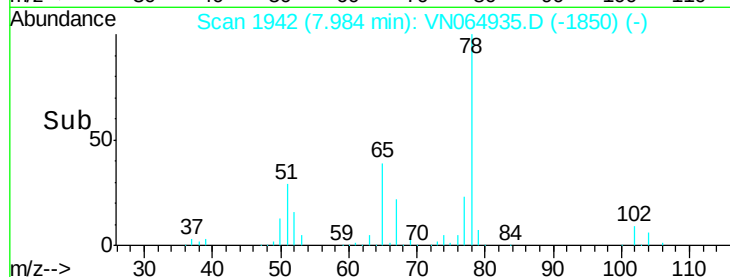
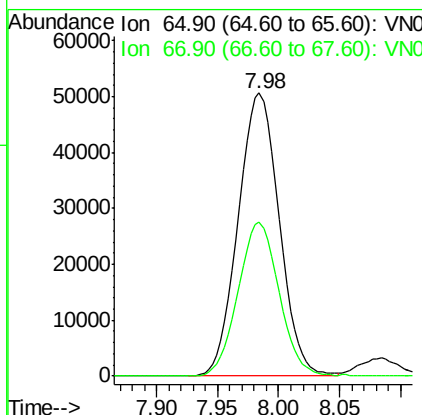
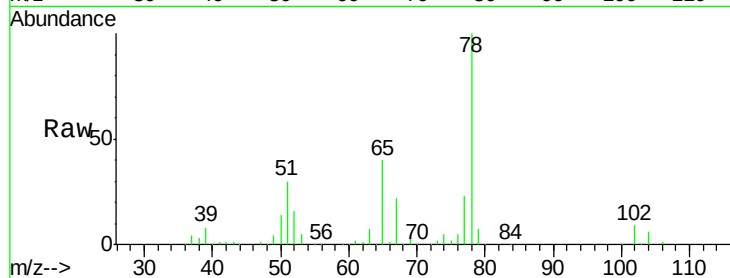
#33
 1,2-Dichloroethane-d4
 Concen: 47.003 ug/l
 RT: 7.98 min Scan# 1942
 Delta R.T. -0.00 min
 Lab File: VN064935.D
 Acq: 7 Dec 2020 10:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.2	0.0	108.2	

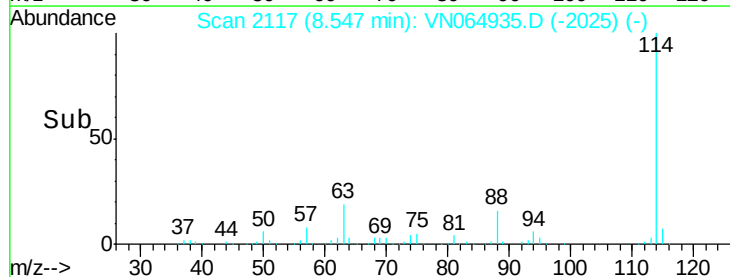
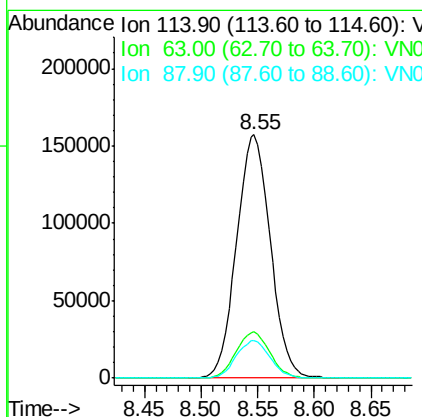
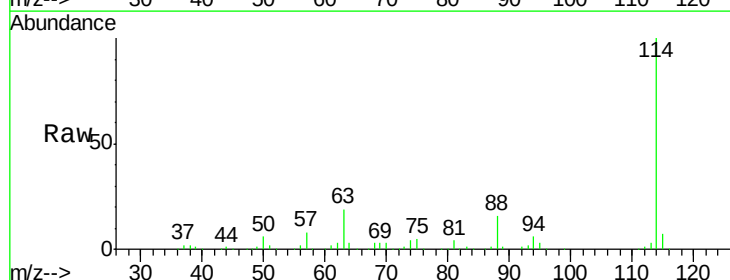
Manual Integrations
 APPROVED

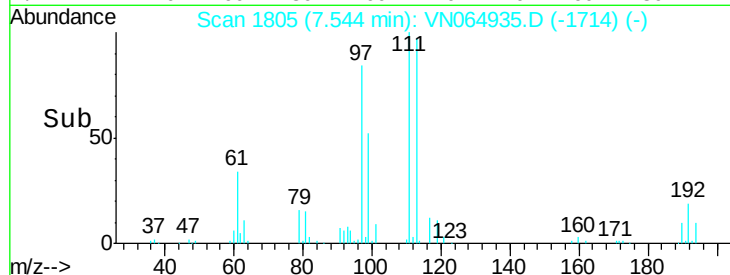
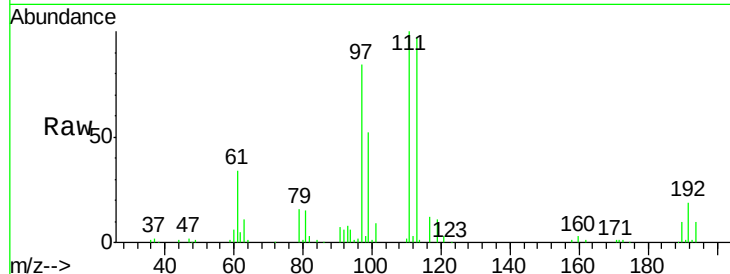
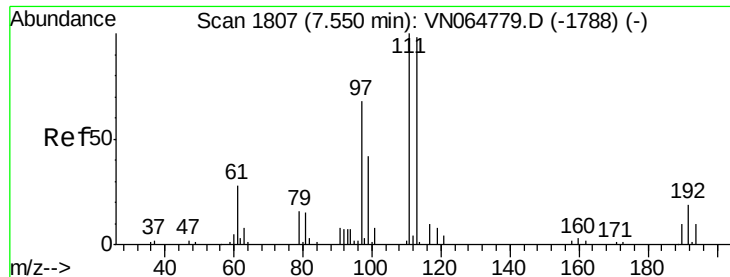
MMDadoda
 12/8/2020 5:03:59 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VN064935.D
 Acq: 7 Dec 2020 10:30

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.0	0.0	38.6	
88	15.6	0.0	32.6	





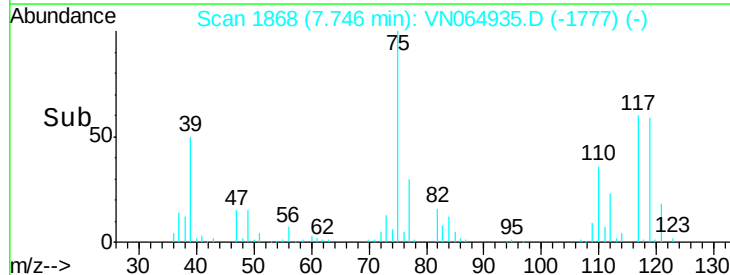
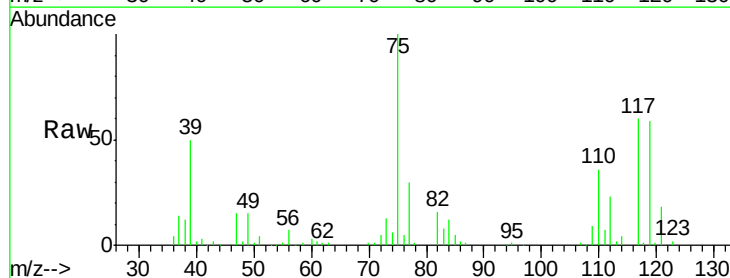
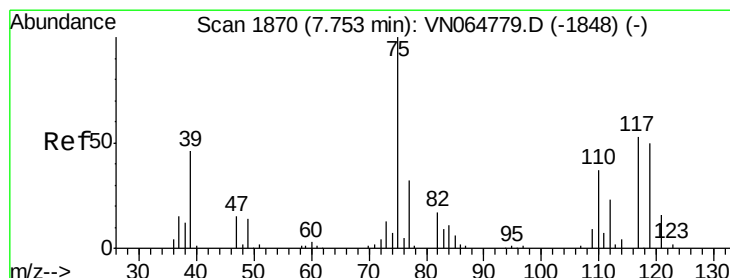
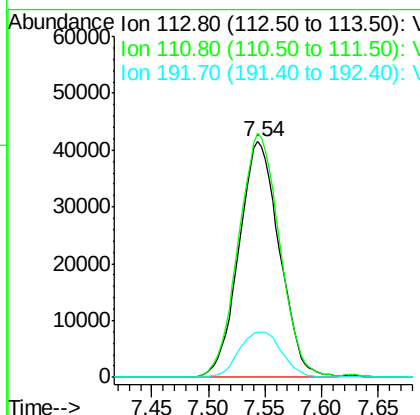
#35
Dibromofluoromethane
Concen: 52.817 ug/l
RT: 7.54 min Scan# 1805
Delta R.T. -0.01 min
Lab File: VN064935.D
Acq: 7 Dec 2020 10:30

Tot Ion	Ratio	Resp	Lower	Upper
113	100	103681		
111	105.1	81.6	122.4	
192	20.4	16.2	24.2	

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

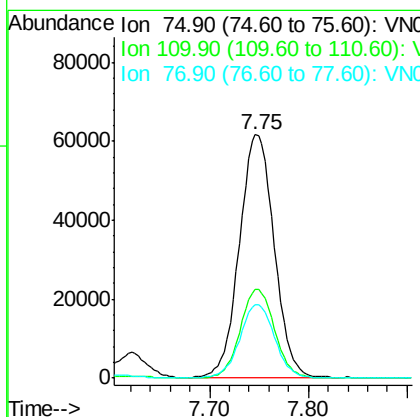
Manual Integrations
APPROVED

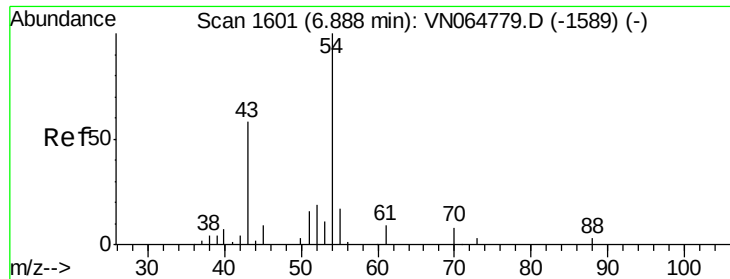
MMDadoda
12/8/2020 5:03:59 PM



#36
1,1-Dichloropropene
Concen: 49.359 ug/l
RT: 7.75 min Scan# 1868
Delta R.T. -0.01 min
Lab File: VN064935.D
Acq: 7 Dec 2020 10:30

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	150092		
110	36.0	17.8	53.3	
77	30.5	25.0	37.4	





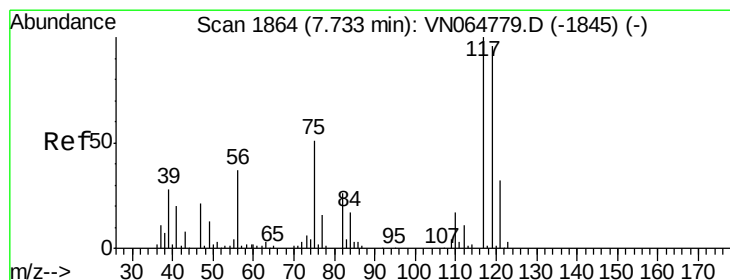
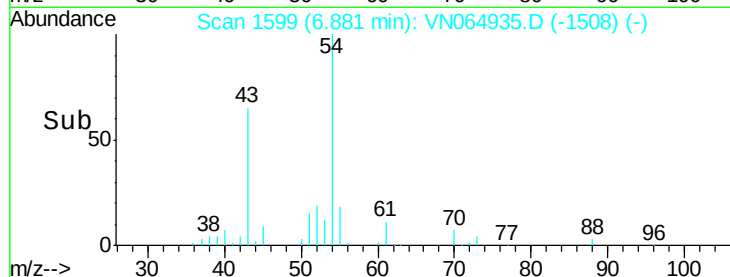
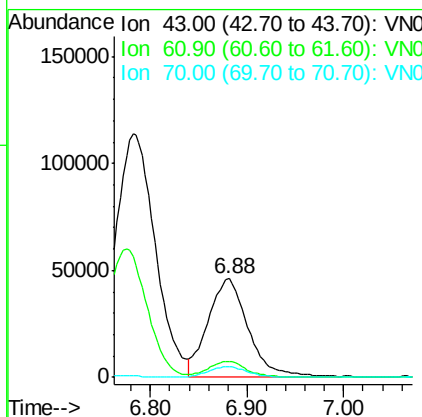
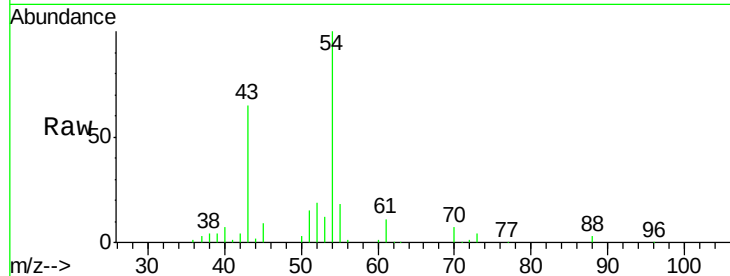
#37
Ethyl Acetate
Concen: 44.820 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VN064935.D
Acq: 7 Dec 2020 10:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.9	12.8	19.2
70	10.8	8.8	13.2

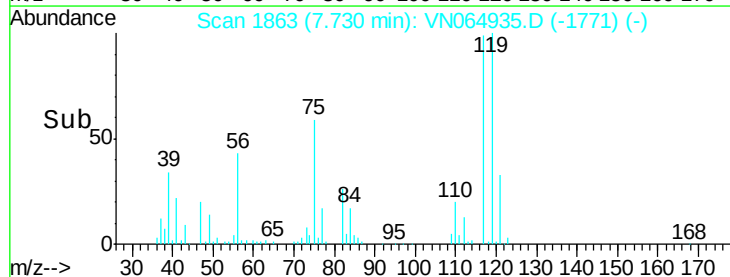
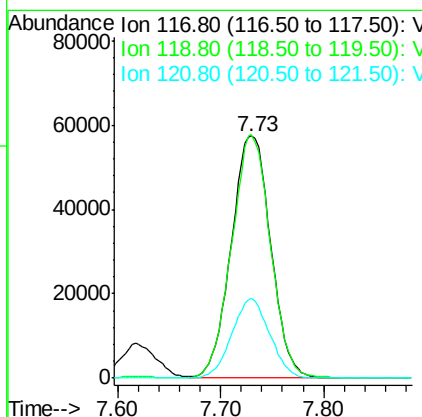
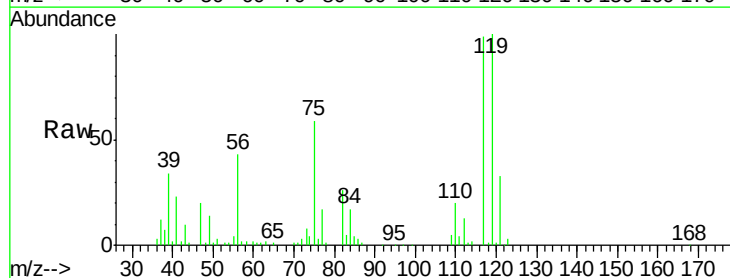
Manual Integrations
APPROVED

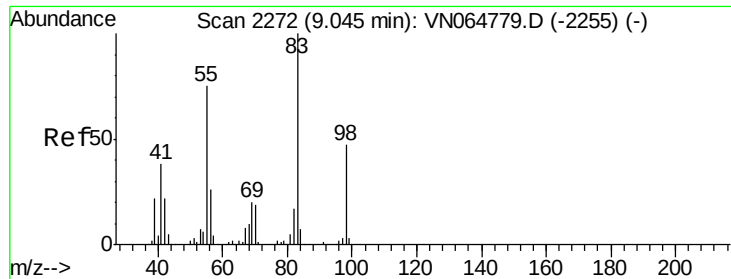
MMDadoda
12/8/2020 5:03:59 PM



#38
Carbon Tetrachloride
Concen: 48.407 ug/l
RT: 7.73 min Scan# 1863
Delta R.T. -0.00 min
Lab File: VN064935.D
Acq: 7 Dec 2020 10:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.6	76.7	115.1
121	32.8	25.4	38.2





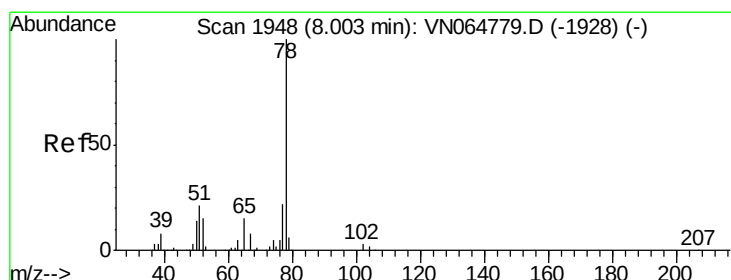
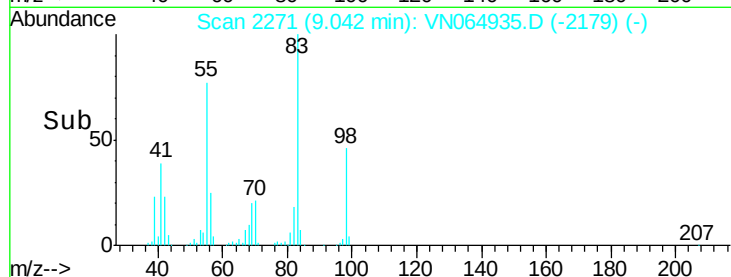
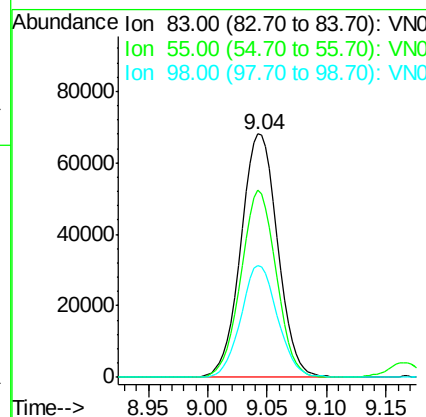
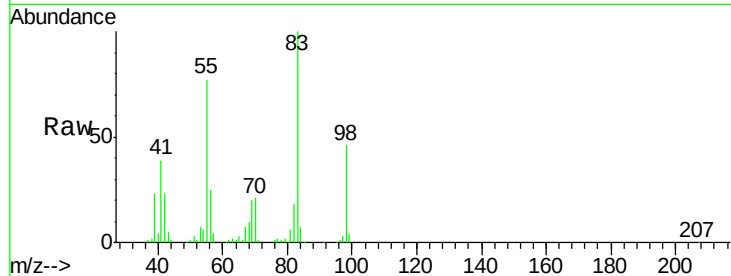
#39
Methylvlcyclohexane
Concen: 44.580 ug/l
RT: 9.04 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VN064935.D
Acq: 7 Dec 2020 10:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	145929
Ion Ratio	100	Lower	Upper
83	100		
55	77.0	60.2	90.2
98	46.1	37.4	56.2

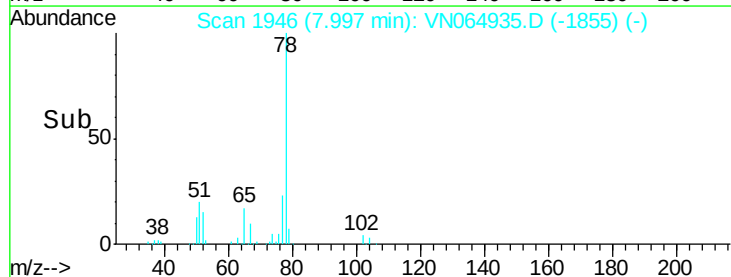
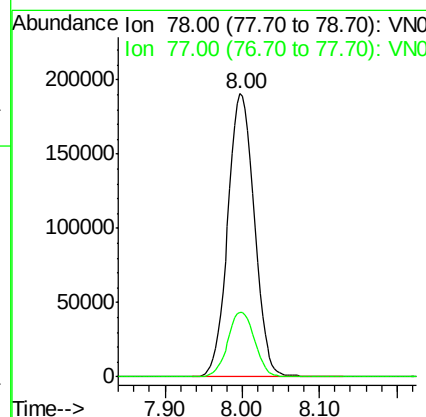
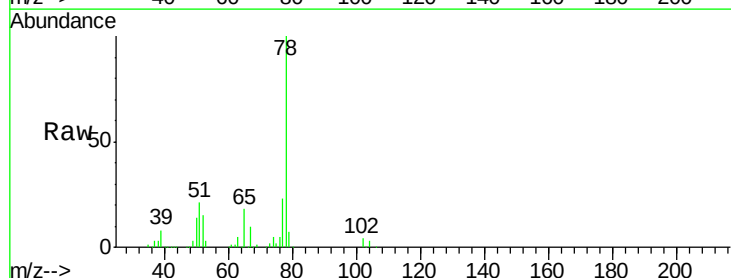
Manual Integrations
APPROVED

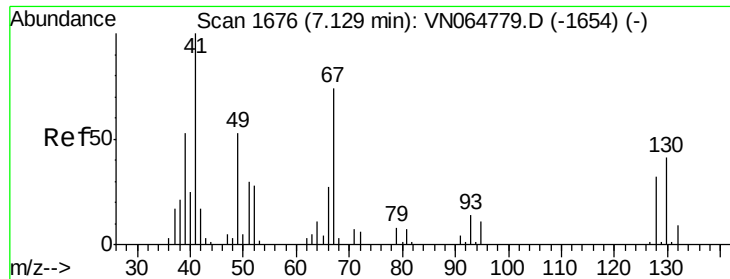
MMDadoda
12/8/2020 5:03:59 PM



#40
Benzene
Concen: 48.714 ug/l
RT: 8.00 min Scan# 1946
Delta R.T. -0.01 min
Lab File: VN064935.D
Acq: 7 Dec 2020 10:30

Tgt Ion	78	Resp	453923
Ion Ratio	100	Lower	Upper
78	100		
77	22.9	17.9	26.9





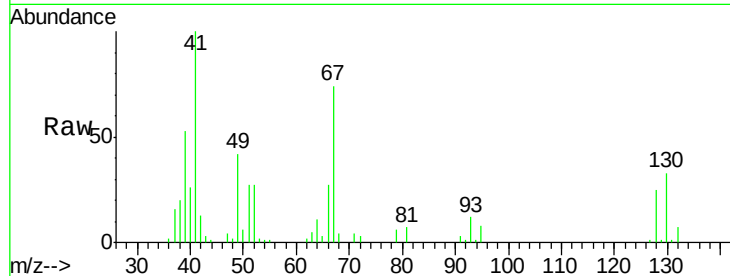
#41
Methacrylonitrile
Concen: 46.613 ug/l
RT: 7.12 min Scan# 1673
Delta R.T. -0.01 min
Lab File: VN064935.D
Acq: 7 Dec 2020 10:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

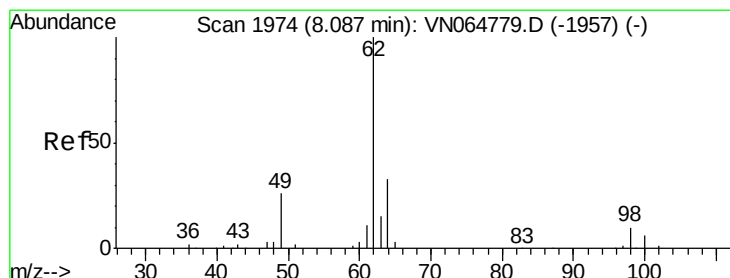
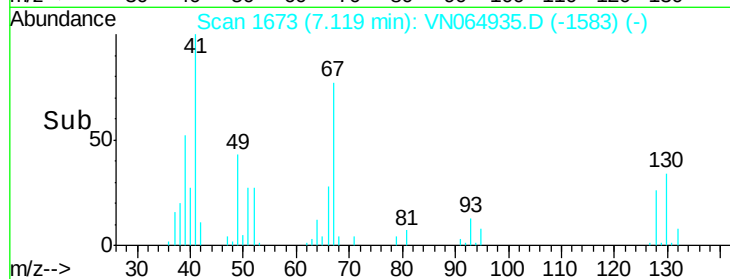
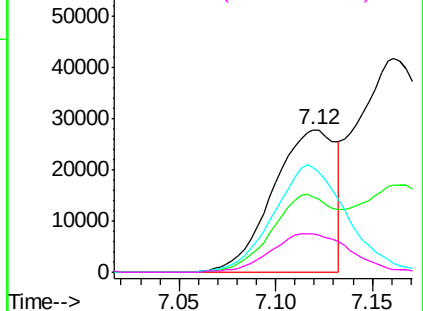
Tot Ion:	41	Resp:	63000
Ion	Ratio	Lower	Upper
41	100		
39	56.7	51.0	76.6
67	89.2	79.8	119.8
52	34.6	31.5	47.3

Manual Integrations
APPROVED

MMDadoda
12/8/2020 5:03:59 PM

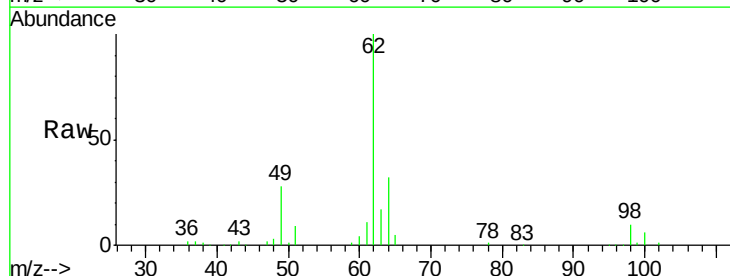


Abundance Ion 41.00 (40.70 to 41.70): VN064935.D (-1583) (-)
Ion 39.00 (38.70 to 39.70): VN064935.D (-1583) (-)
Ion 67.00 (66.70 to 67.70): VN064935.D (-1583) (-)
Ion 52.00 (51.70 to 52.70): VN064935.D (-1583) (-)

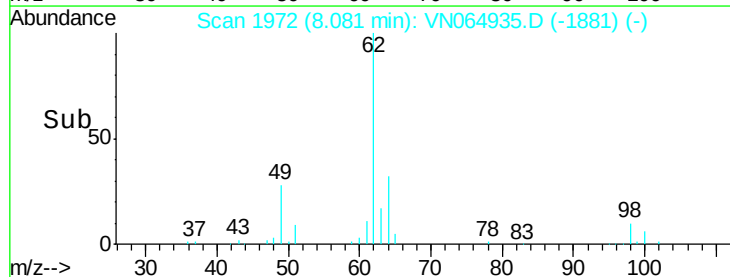
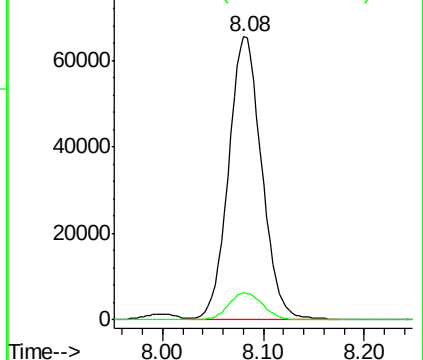


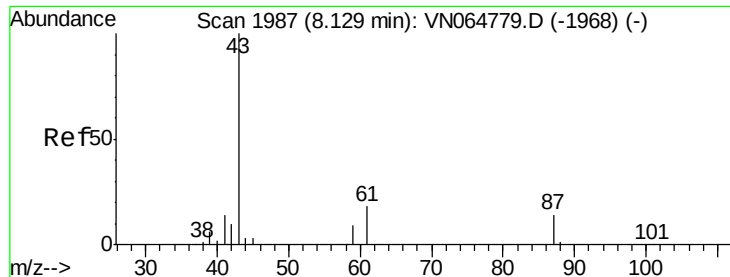
#42
1,2-Dichloroethane
Concen: 47.374 ug/l
RT: 8.08 min Scan# 1972
Delta R.T. -0.01 min
Lab File: VN064935.D
Acq: 7 Dec 2020 10:30

Tgt Ion:	62	Resp:	148916
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	19.6



Abundance Ion 61.90 (61.60 to 62.60): VN064935.D (-1881) (-)
Ion 97.90 (97.60 to 98.60): VN064935.D (-1881) (-)





#43

Isopropyl Acetate

Concen: 46.387 ug/l

RT: 8.12 min Scan# 1985

Delta R.T. -0.01 min

Lab File: VN064935.D

Acq: 7 Dec 2020 10:30

Instrument :

MSVOA_N

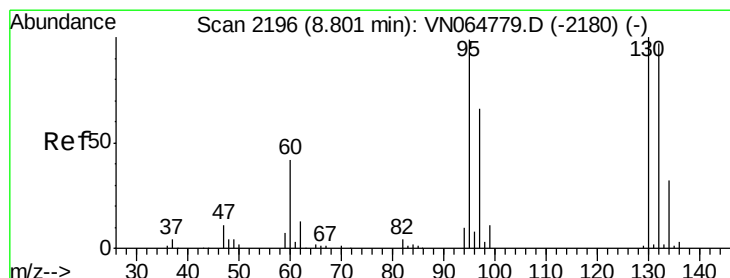
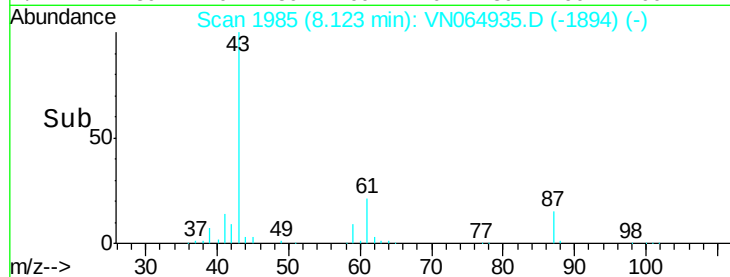
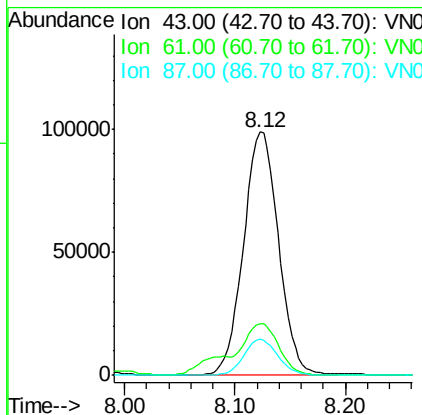
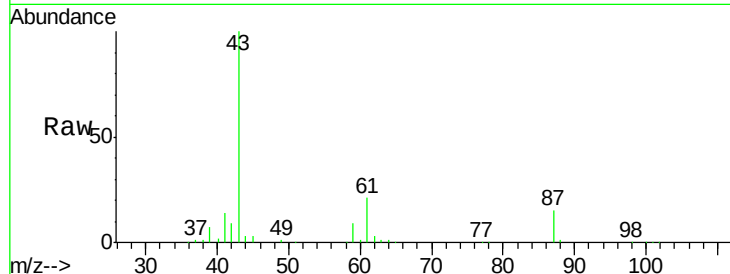
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	218636
Ion	Ratio	Lower	Upper
43	100		
61	28.6	17.2	25.8#
87	14.4	11.4	17.0

Manual Integrations
APPROVED

MMDadoda
12/8/2020 5:03:59 PM



#44

Trichloroethene

Concen: 47.572 ug/l

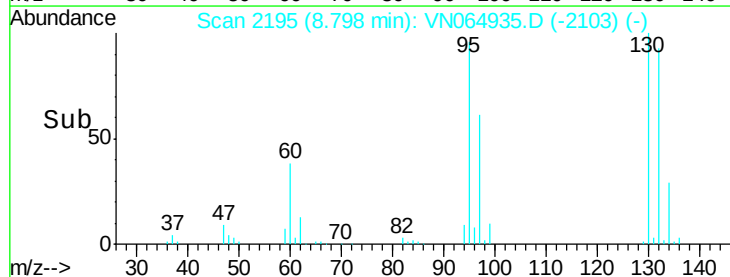
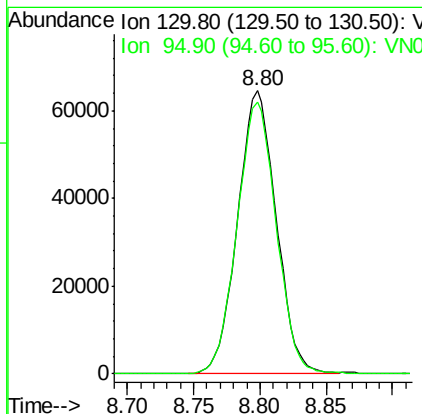
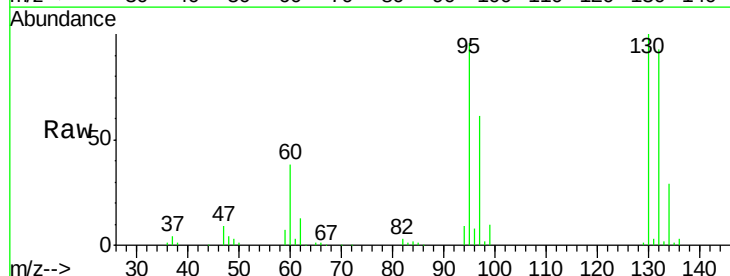
RT: 8.80 min Scan# 2195

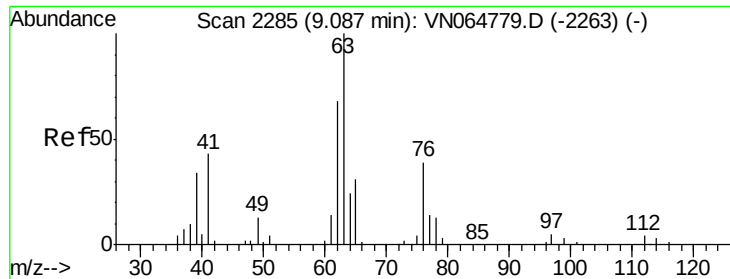
Delta R.T. -0.00 min

Lab File: VN064935.D

Acq: 7 Dec 2020 10:30

Tgt Ion:	130	Resp:	130792
Ion	Ratio	Lower	Upper
130	100		
95	96.3	0.0	197.8





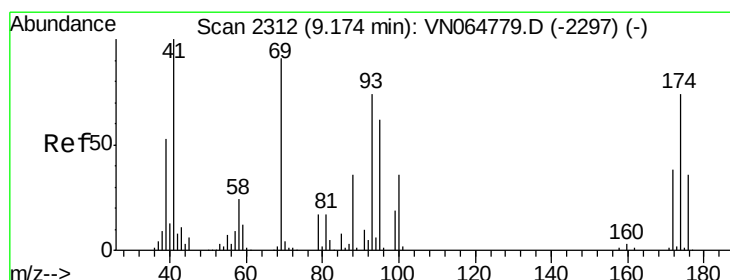
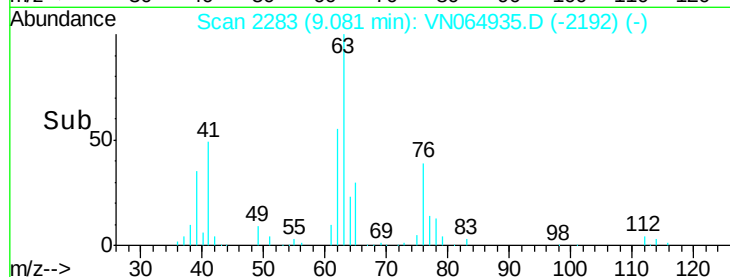
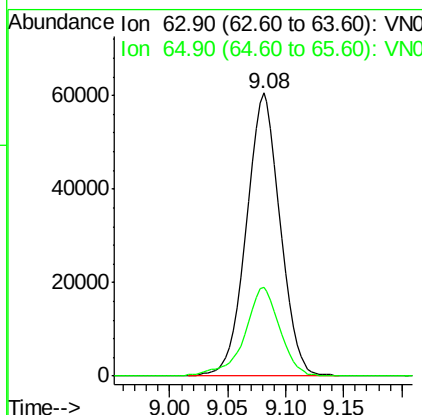
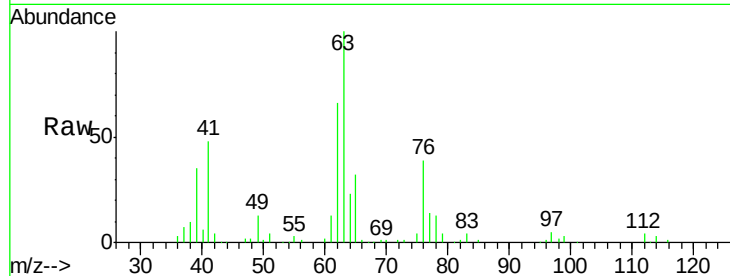
#45
 1,2-Dichloropropane
 Concen: 50.965 ug/l
 RT: 9.08 min Scan# 2283
 Delta R.T. -0.01 min
 Lab File: VN064935.D
 Acq: 7 Dec 2020 10:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 122983
 Ion Ratio Lower Upper
 63 100
 65 31.6 25.0 37.4

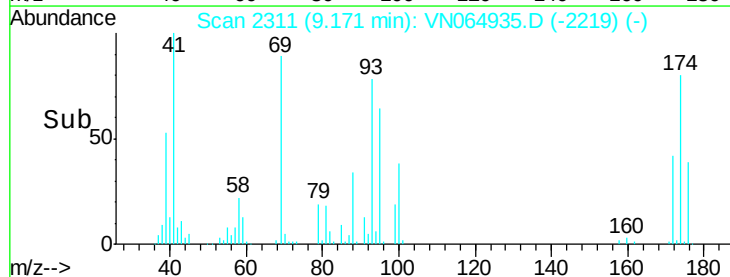
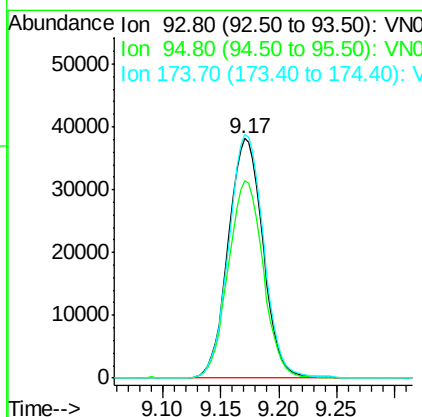
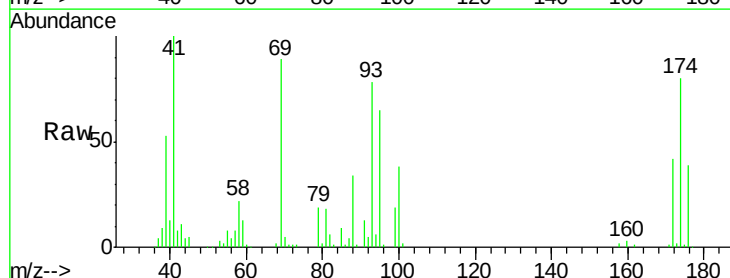
Manual Integrations
 APPROVED

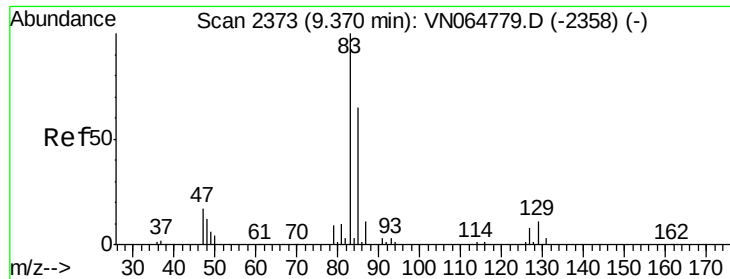
MMDadoda
 12/8/2020 5:03:59 PM



#46
 Dibromomethane
 Concen: 48.973 ug/l
 RT: 9.17 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN064935.D
 Acq: 7 Dec 2020 10:30

Tgt Ion: 93 Resp: 78950
 Ion Ratio Lower Upper
 93 100
 95 82.8 68.8 103.2
 174 102.1 83.1 124.7





#47

Bromodichloromethane

Concen: 50.154 ug/l

RT: 9.37 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN064935.D

Acq: 7 Dec 2020 10:30

Instrument :

MSVOA_N

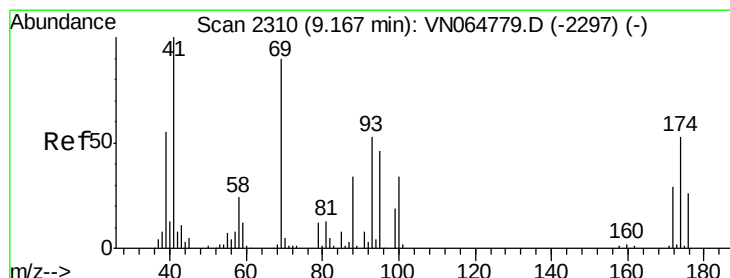
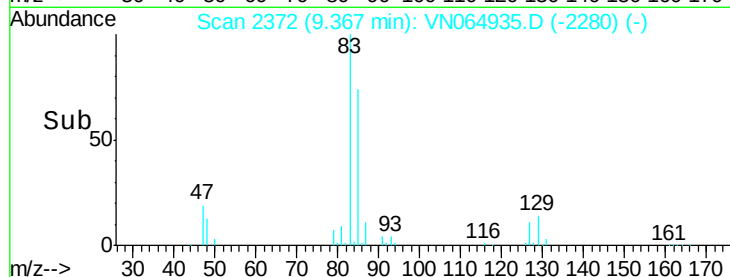
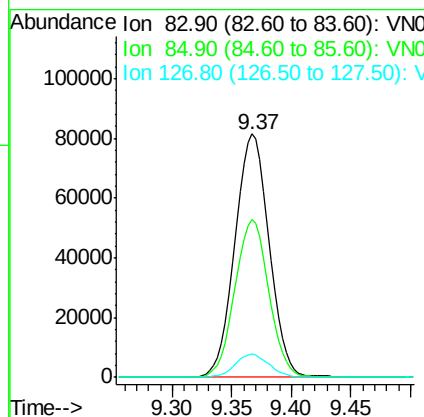
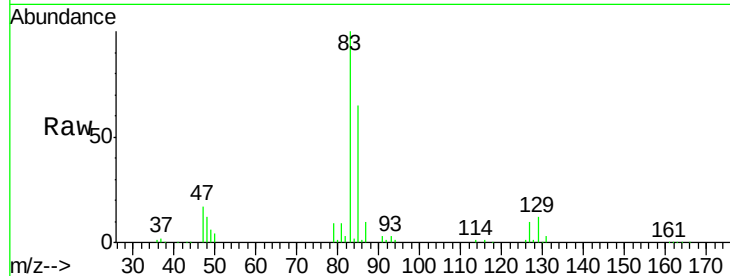
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	162686
Ion Ratio	Lower	Upper	
83	100		
85	64.6	51.8	77.8
127	9.6	6.8	10.2

Manual Integrations
APPROVED

MMDadoda
12/8/2020 5:03:59 PM



#48

Methyl methacrylate

Concen: 48.512 ug/l

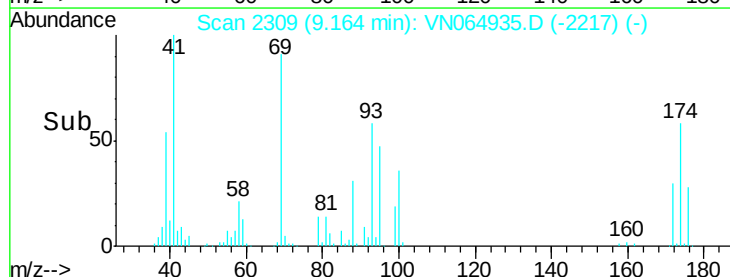
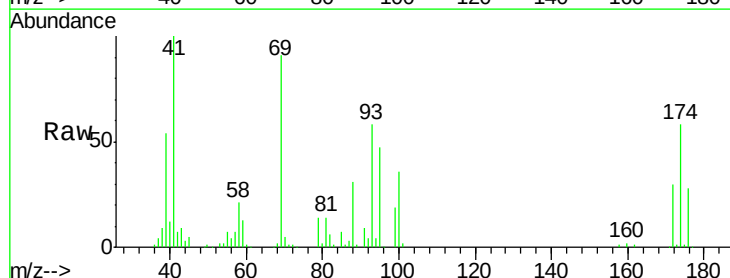
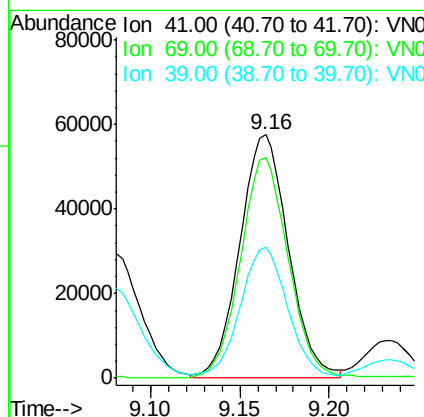
RT: 9.16 min Scan# 2309

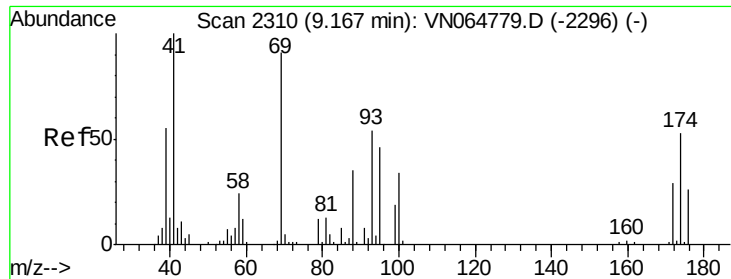
Delta R.T. -0.00 min

Lab File: VN064935.D

Acq: 7 Dec 2020 10:30

Tgt Ion:	41	Resp:	109259
Ion Ratio	Lower	Upper	
41	100		
69	90.2	71.8	107.8
39	52.5	44.1	66.1





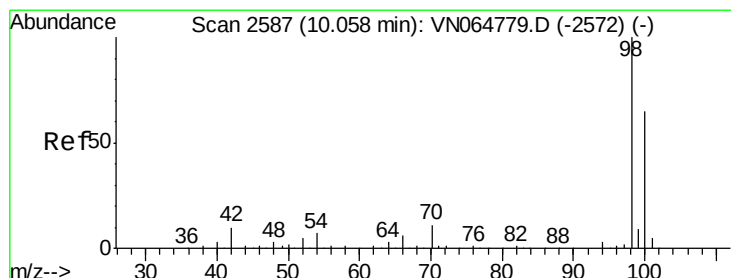
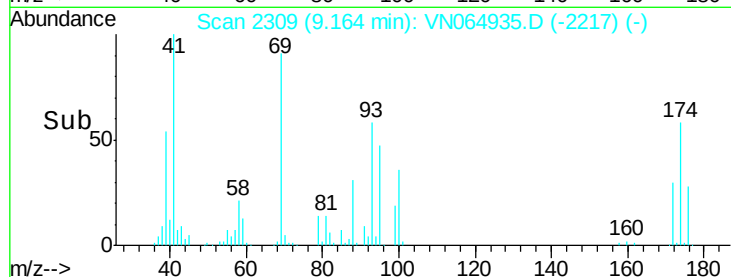
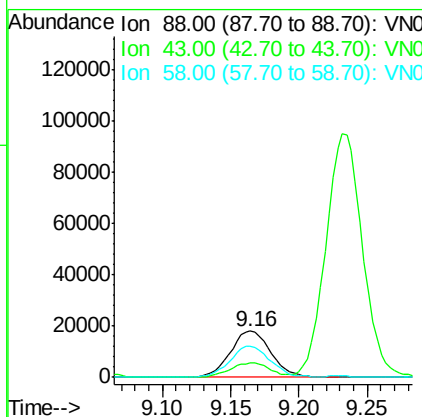
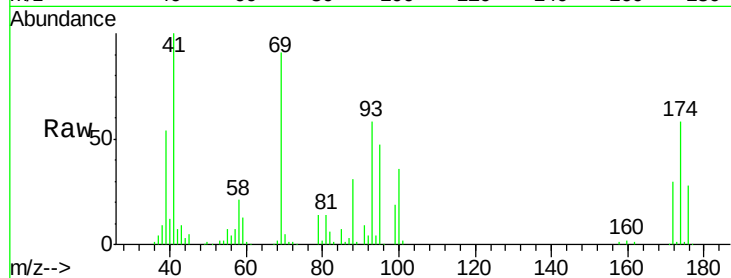
#49
 1,4-Dioxane
 Concen: 888.648 ug/l
 RT: 9.16 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN064935.D
 Acq: 7 Dec 2020 10:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.6	24.2	36.4
58	66.7	52.5	78.7

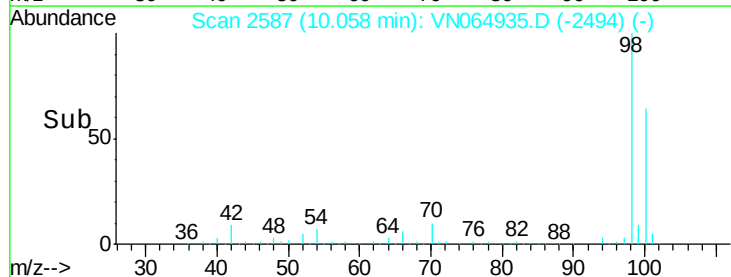
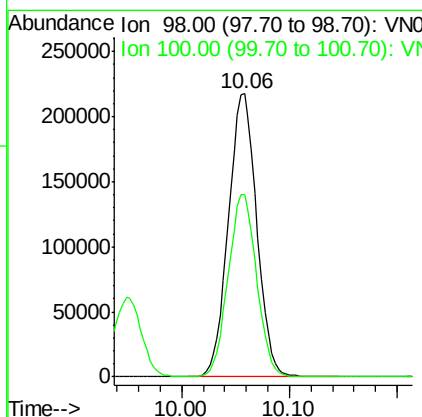
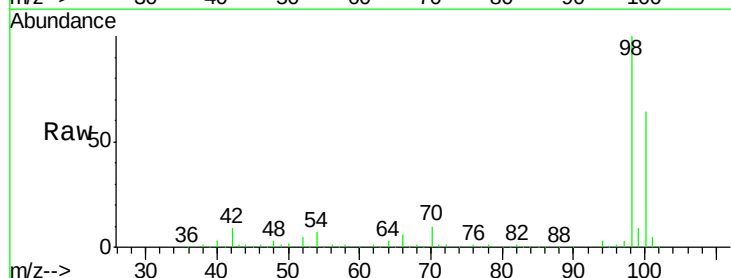
Manual Integrations
 APPROVED

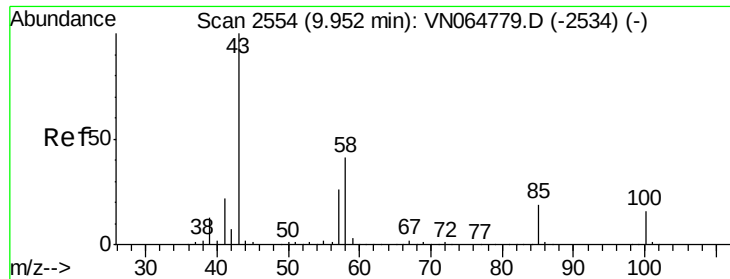
MMDadoda
 12/8/2020 5:03:59 PM



#50
 Toluene-d8
 Concen: 49.796 ug/l
 RT: 10.06 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN064935.D
 Acq: 7 Dec 2020 10:30

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 235.821 ug/l

RT: 9.95 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN064935.D

Acq: 7 Dec 2020 10:30

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 667285

Ion Ratio Lower Upper

43 100

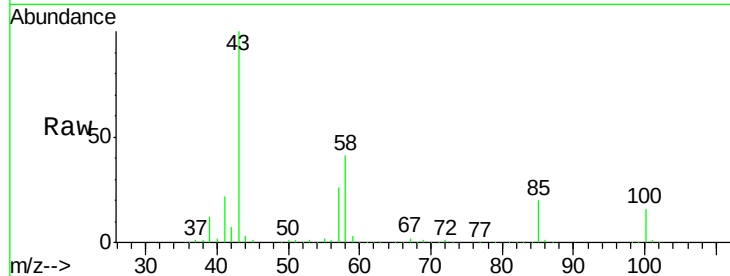
58 40.6 32.4 48.6

Manual Integrations

APPROVED

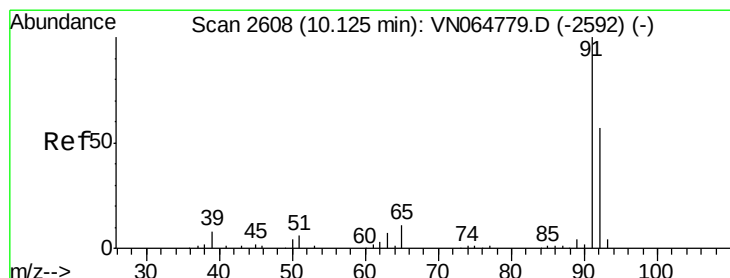
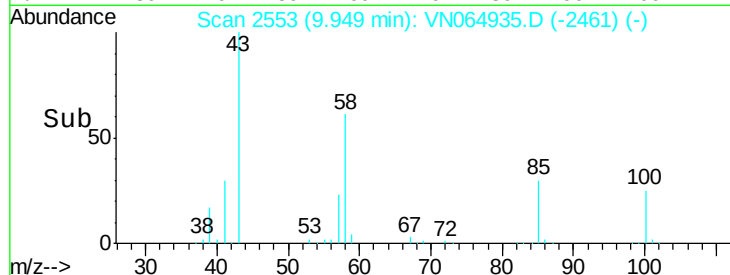
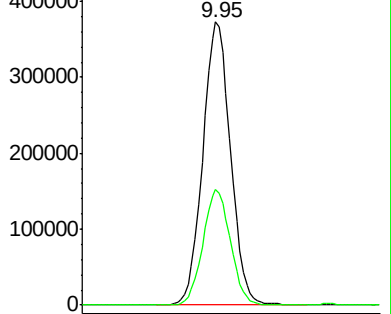
MMDadoda

12/8/2020 5:03:59 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 50.022 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064935.D

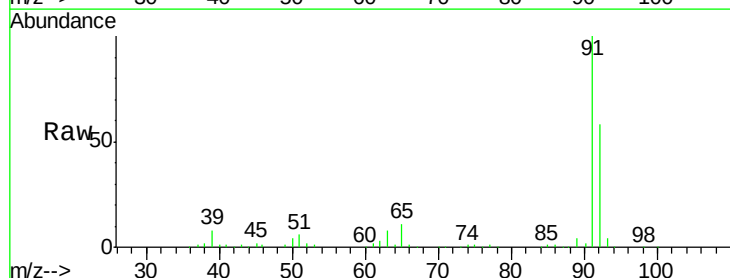
Acq: 7 Dec 2020 10:30

Tgt Ion: 92 Resp: 287052

Ion Ratio Lower Upper

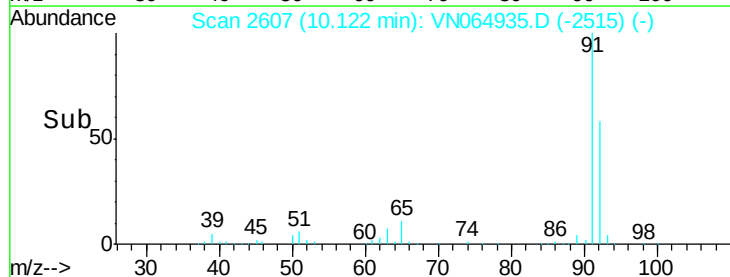
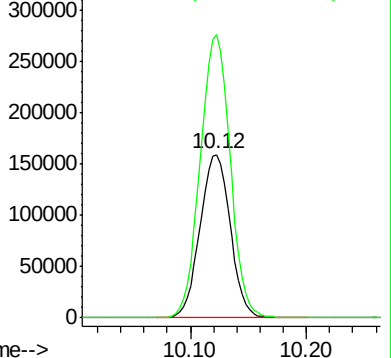
92 100

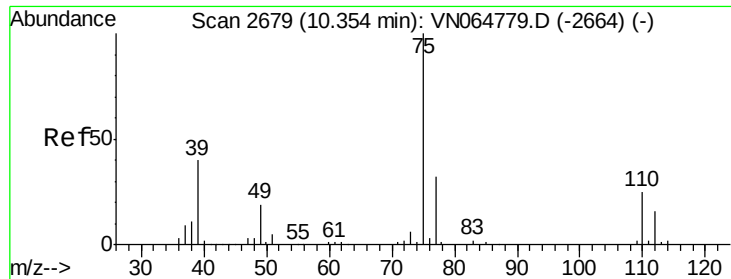
91 172.4 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





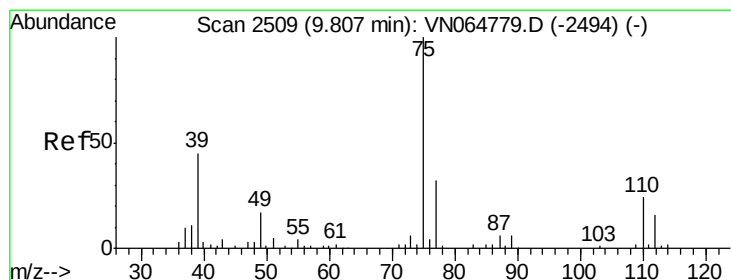
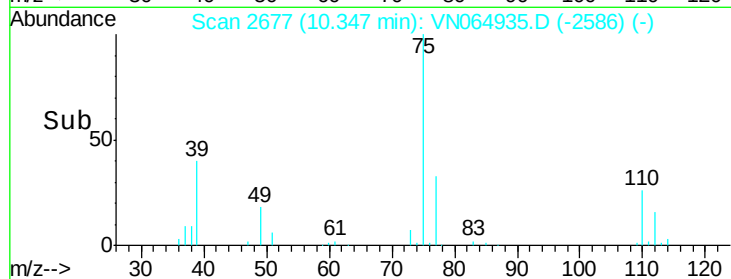
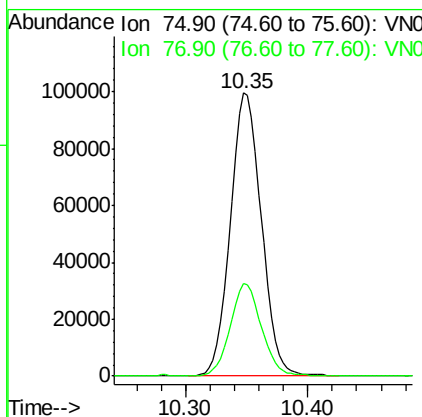
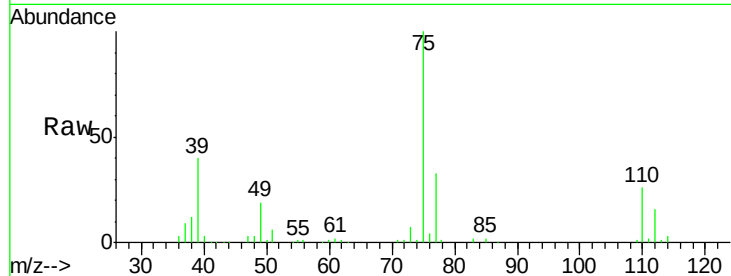
#53
 t-1,3-Dichloropropene
 Concen: 48.867 ug/l
 RT: 10.35 min Scan# 2677
 Delta R.T. -0.01 min
 Lab File: VN064935.D
 Acq: 7 Dec 2020 10:30

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.8	38.6

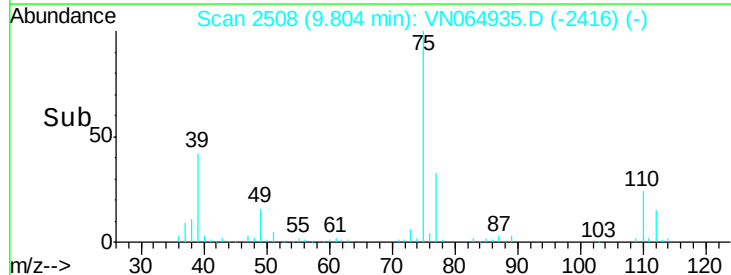
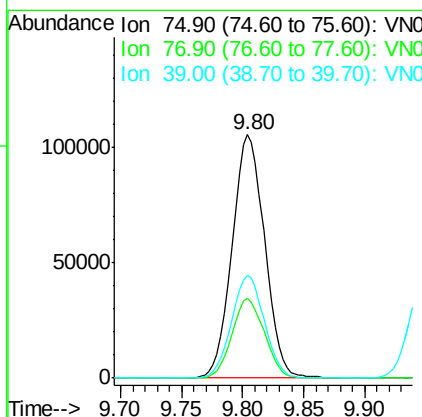
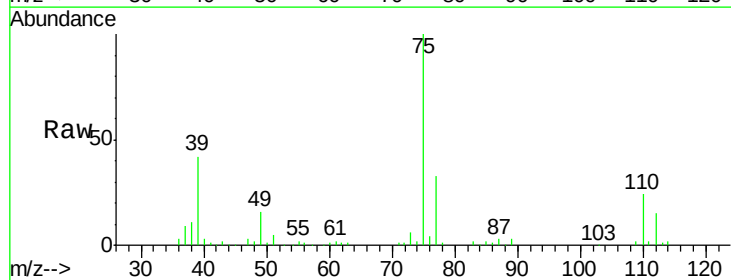
Manual Integrations
 APPROVED

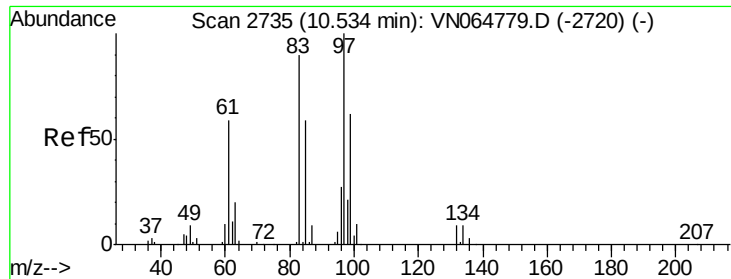
MMDadoda
 12/8/2020 5:03:59 PM



#54
 cis-1,3-Dichloropropene
 Concen: 50.387 ug/l
 RT: 9.80 min Scan# 2508
 Delta R.T. -0.00 min
 Lab File: VN064935.D
 Acq: 7 Dec 2020 10:30

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.8	25.5	38.3
39	42.2	35.6	53.4





#55

1,1,2-Trichloroethane

Concen: 49.606 ug/l

RT: 10.53 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VN064935.D

Acq: 7 Dec 2020 10:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 117056

Ion Ratio Lower Upper

97 100

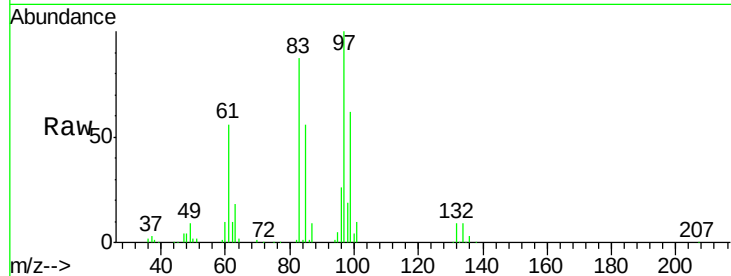
83 86.5 72.1 108.1

85 55.6 46.8 70.2

99 62.0 49.6 74.4

Manual Integrations
APPROVED

MMDadoda
12/8/2020 5:03:59 PM



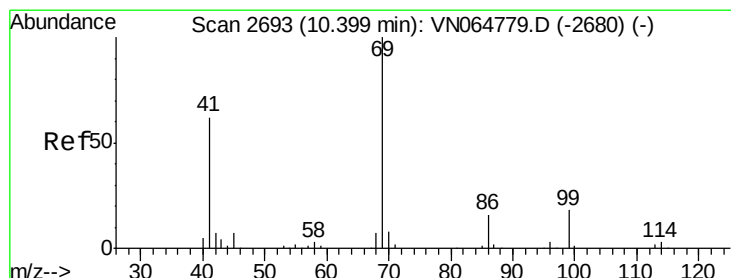
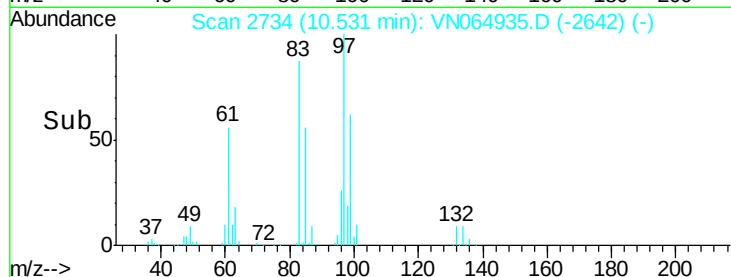
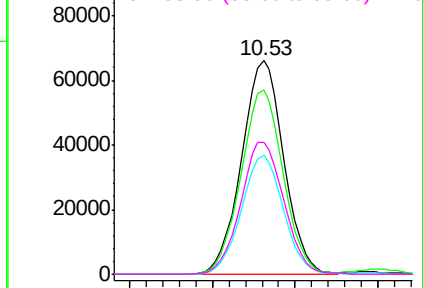
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 51.003 ug/l

RT: 10.40 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN064935.D

Acq: 7 Dec 2020 10:30

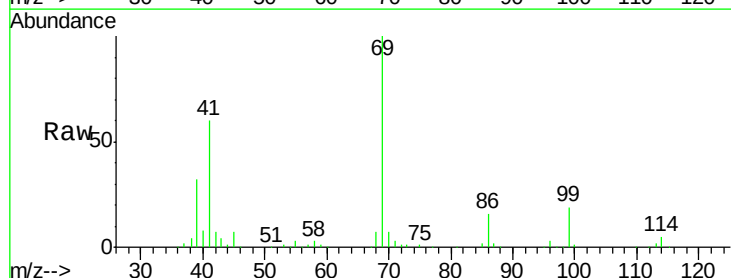
Tgt Ion: 69 Resp: 166081

Ion Ratio Lower Upper

69 100

41 60.7 49.4 74.0

39 31.6 25.9 38.9

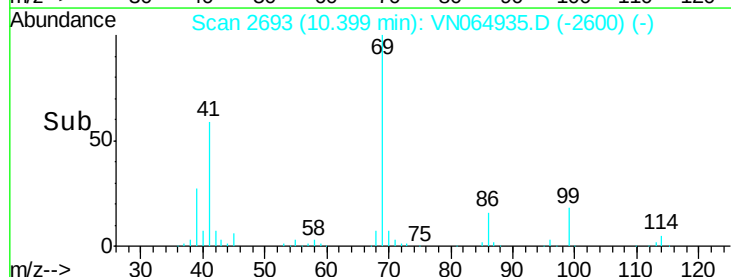
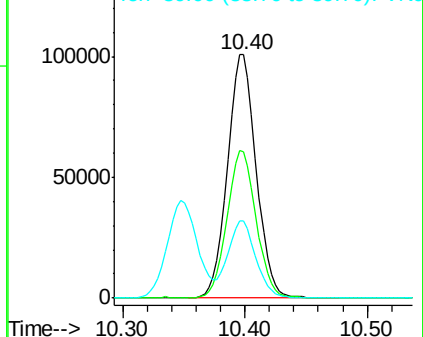


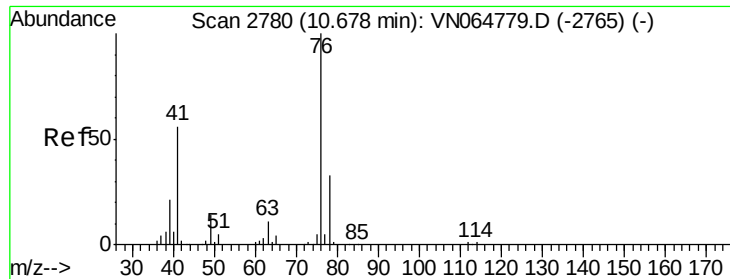
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 49.905 ug/l

RT: 10.68 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN064935.D

Acq: 7 Dec 2020 10:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 194258

Ion Ratio Lower Upper

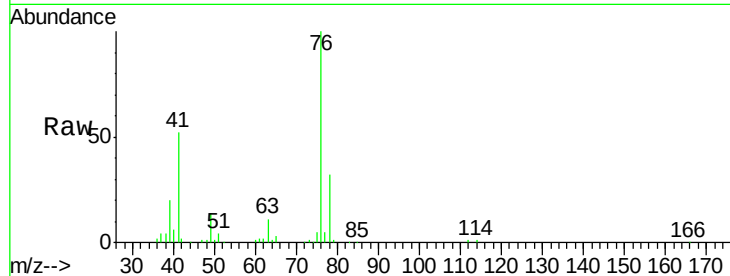
76 100

78 32.2 26.1 39.1

Manual Integrations
APPROVED

MMDadoda

12/8/2020 5:03:59 PM



Abundance Ion 75.90 (75.60 to 76.60): VN064779.D (-2765) (-)

Ion 77.90 (77.60 to 78.60): VN064779.D (-2765) (-)

10.68

120000

100000

80000

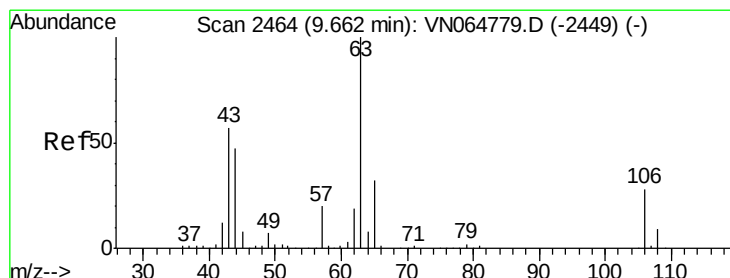
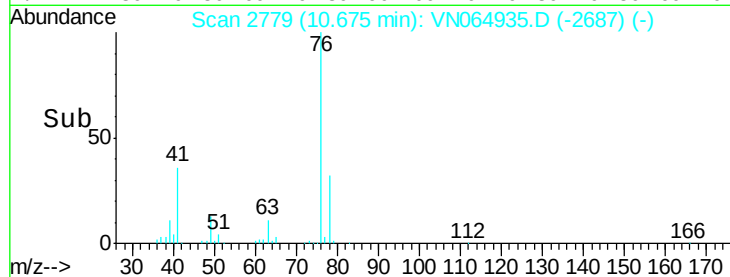
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 247.559 ug/l

RT: 9.66 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN064935.D

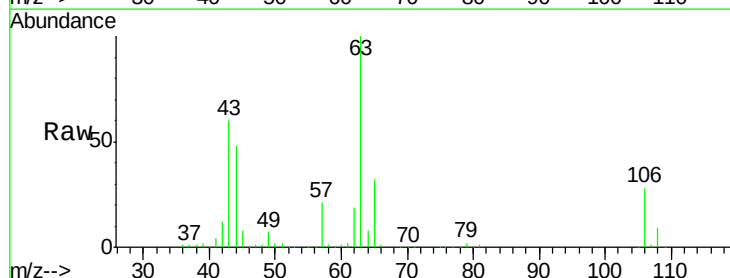
Acq: 7 Dec 2020 10:30

Tgt Ion: 63 Resp: 443430

Ion Ratio Lower Upper

63 100

106 28.5 22.7 34.1



Abundance Ion 62.90 (62.60 to 63.60): VN064779.D (-2449) (-)

Ion 105.90 (105.60 to 106.60): VN064779.D (-2449) (-)

9.66

300000

250000

200000

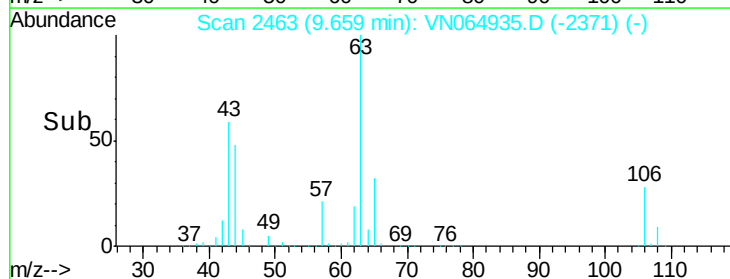
150000

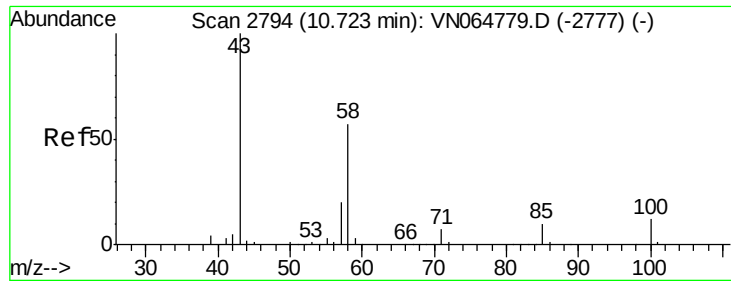
100000

50000

0

Time-->





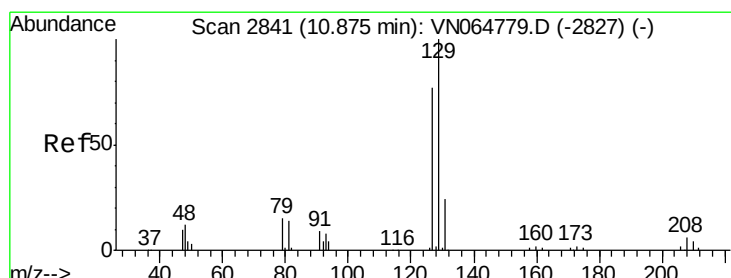
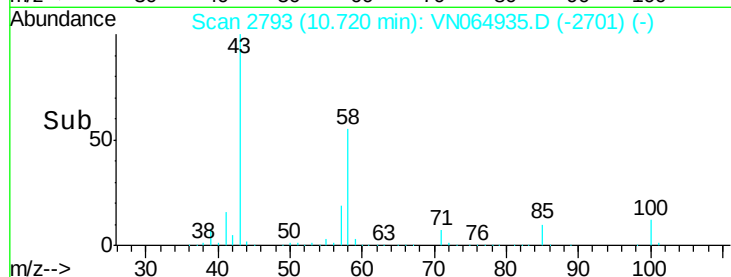
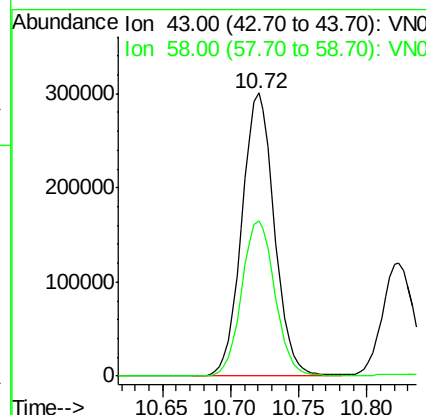
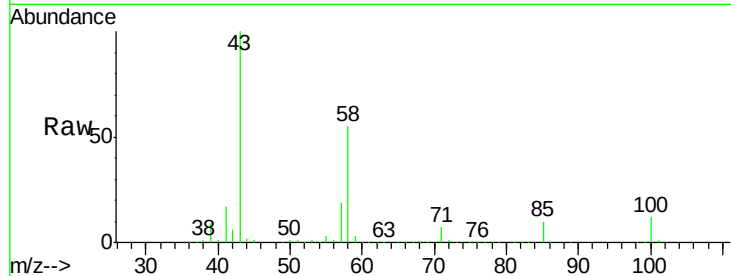
#59
2-Hexanone
Concen: 244.682 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN064935.D
Acq: 7 Dec 2020 10:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	43	58	Ratio	Lower	Upper
43	100				
58		56.0		28.3	84.9

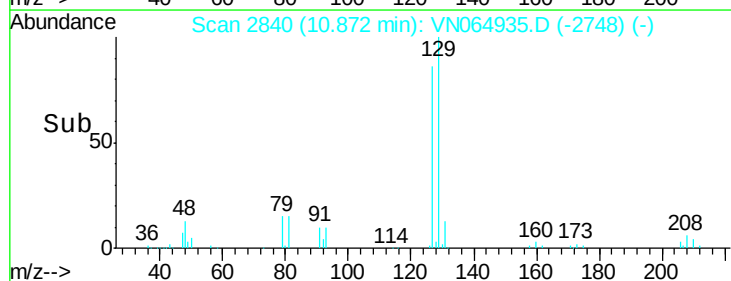
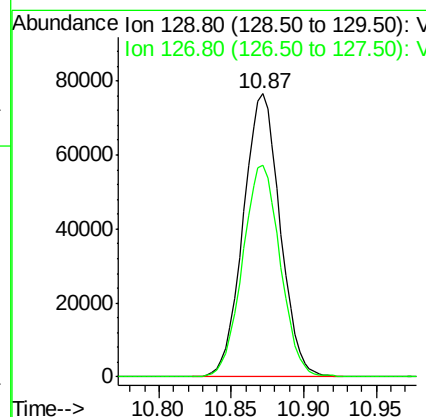
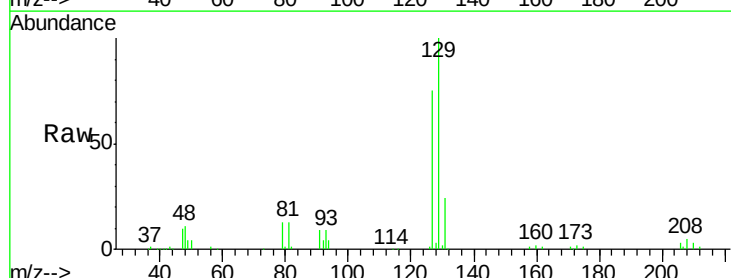
Manual Integrations
APPROVED

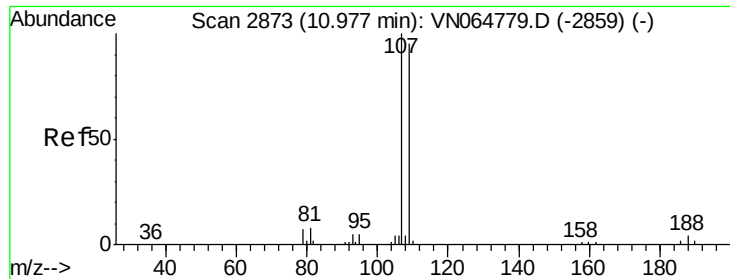
MMDadoda
12/8/2020 5:03:59 PM



#60
Dibromochloromethane
Concen: 51.683 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064935.D
Acq: 7 Dec 2020 10:30

Tgt Ion	129	127	Ratio	Lower	Upper
129	100				
127		76.4		39.1	117.2





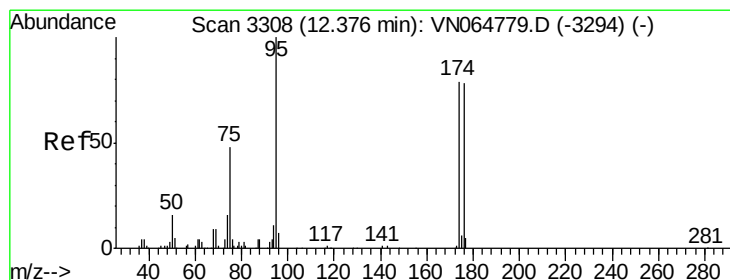
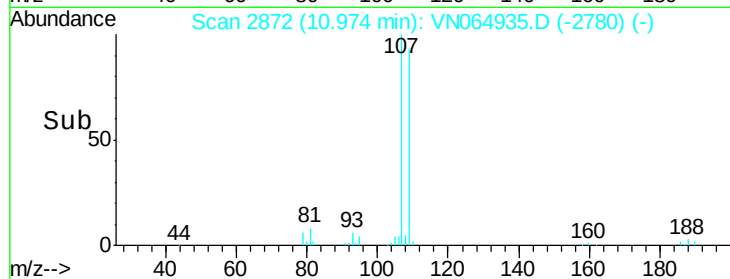
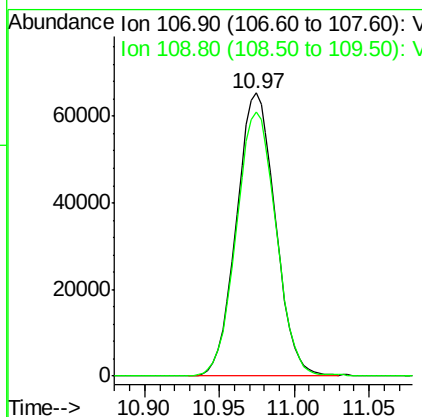
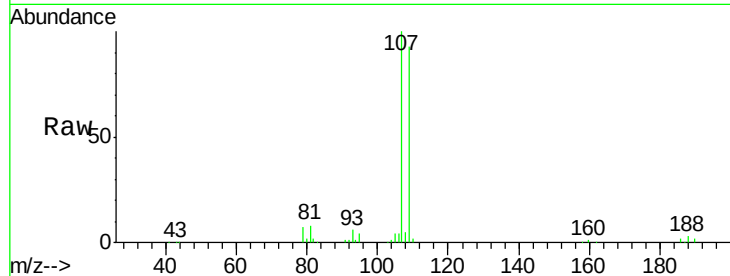
#61
 1,2-Dibromoethane
 Concen: 49.278 ug/l
 RT: 10.97 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN064935.D
 Acq: 7 Dec 2020 10:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	118140		
109	95.5	76.0	114.0	

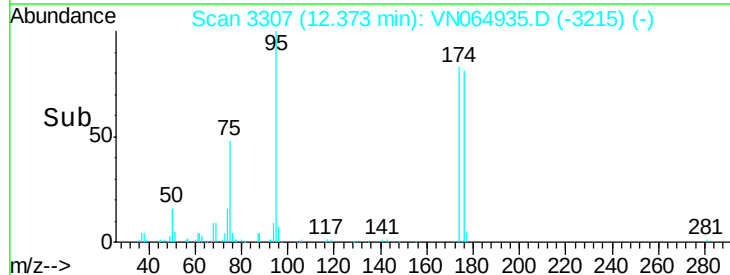
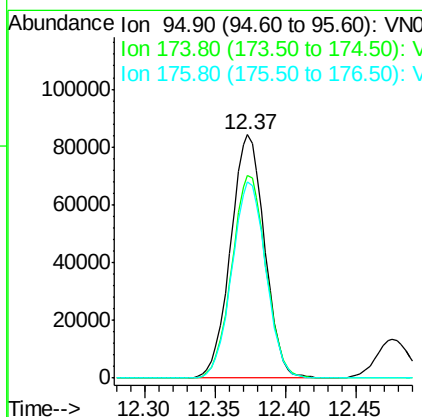
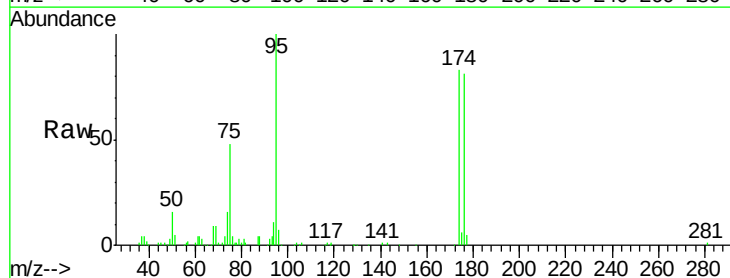
Manual Integrations
 APPROVED

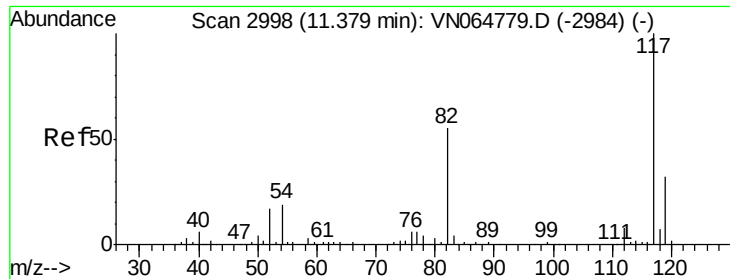
MMDadoda
 12/8/2020 5:03:59 PM



#62
 4-Bromofluorobenzene
 Concen: 49.518 ug/l
 RT: 12.37 min Scan# 3307
 Delta R.T. -0.00 min
 Lab File: VN064935.D
 Acq: 7 Dec 2020 10:30

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	142141		
174	83.7	0.0	160.4	
176	80.7	0.0	158.4	





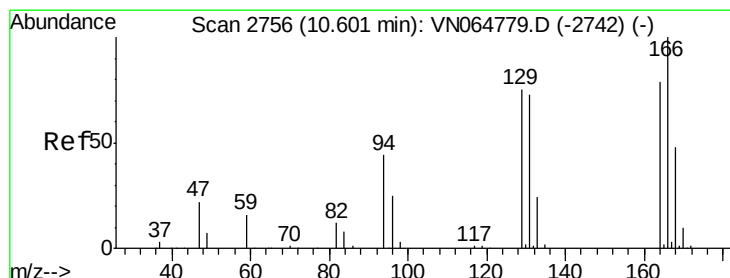
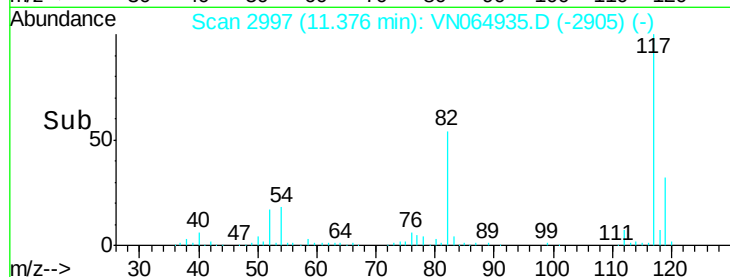
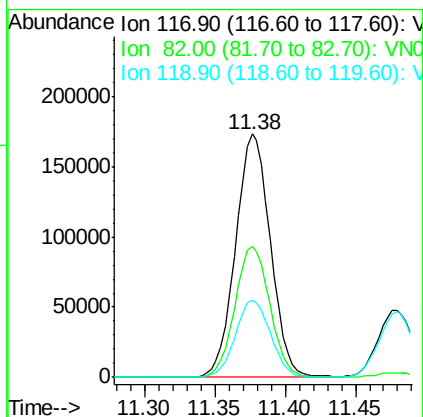
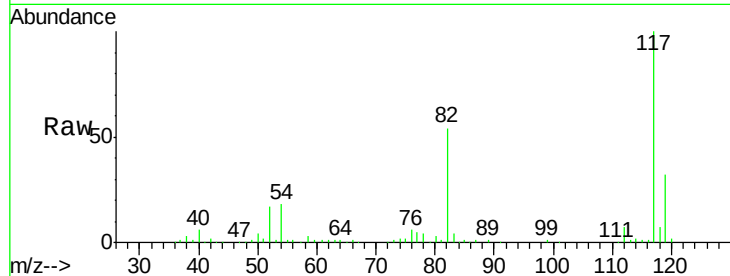
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN064935.D
Acq: 7 Dec 2020 10:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.9	44.2	66.2
119	31.7	25.8	38.6

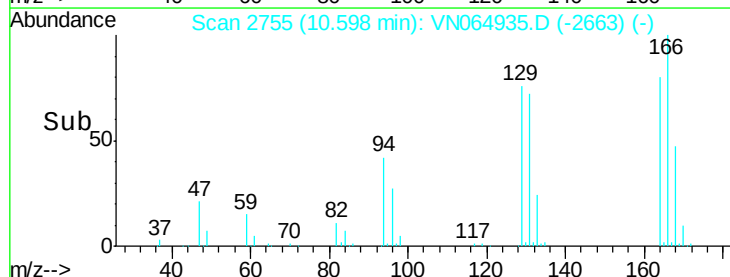
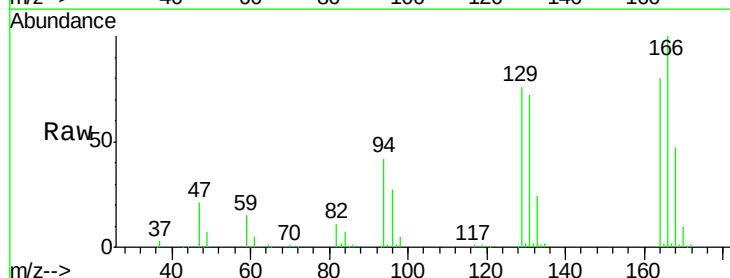
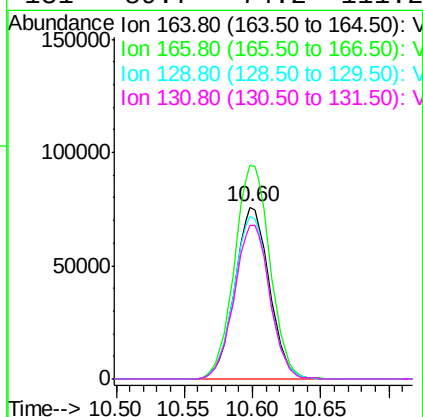
Manual Integrations
APPROVED

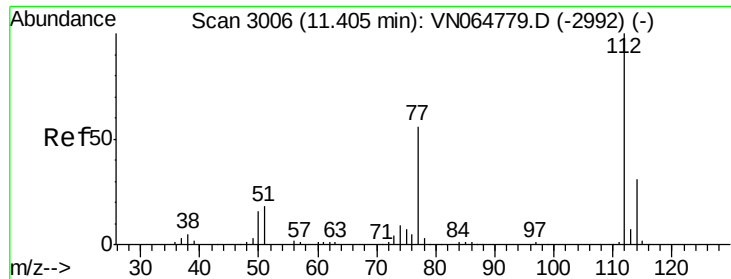
MMDadoda
12/8/2020 5:03:59 PM



#64
Tetrachloroethene
Concen: 45.661 ug/l
RT: 10.60 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN064935.D
Acq: 7 Dec 2020 10:30

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.5	101.4	152.0
129	94.8	76.1	114.1
131	89.7	74.2	111.2





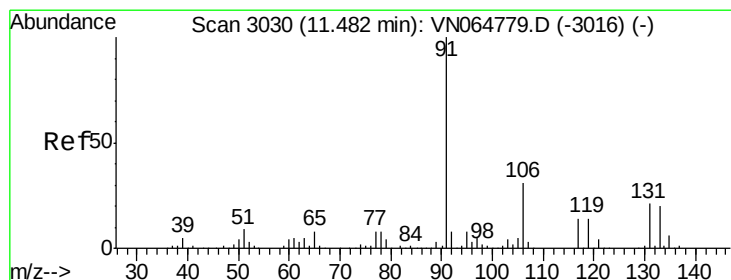
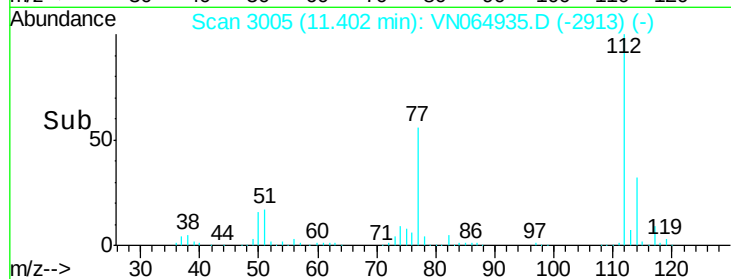
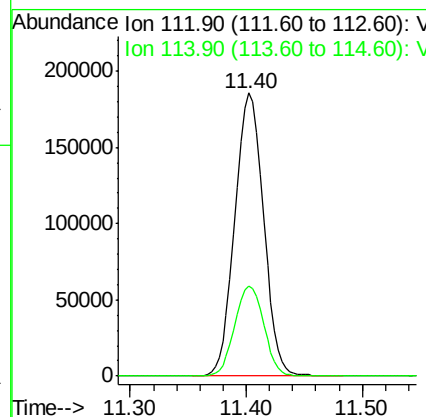
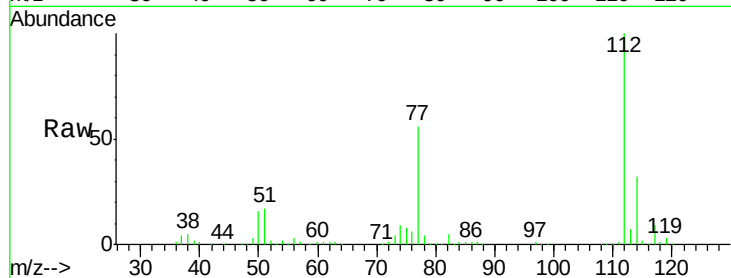
#65
Chlorobenzene
Concen: 49.392 ug/l
RT: 11.40 min Scan# 3005
Delta R.T. -0.00 min
Lab File: VN064935.D
Acq: 7 Dec 2020 10:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 318296
Ion Ratio Lower Upper
112 100
114 31.9 25.1 37.7

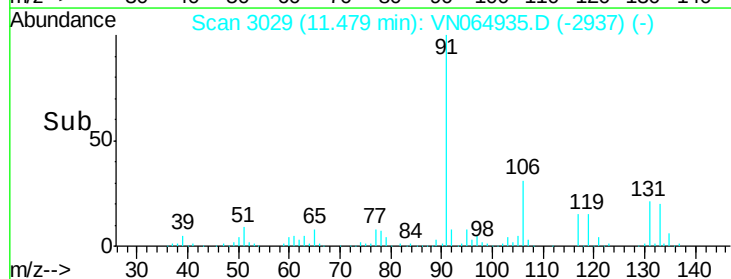
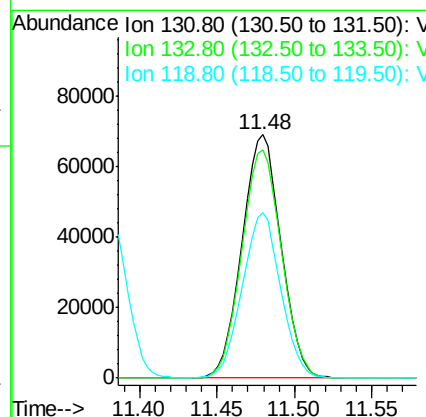
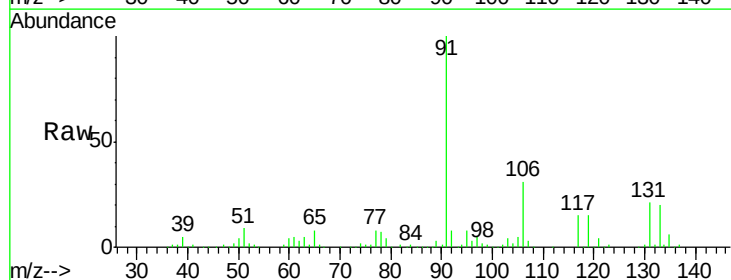
Manual Integrations
APPROVED

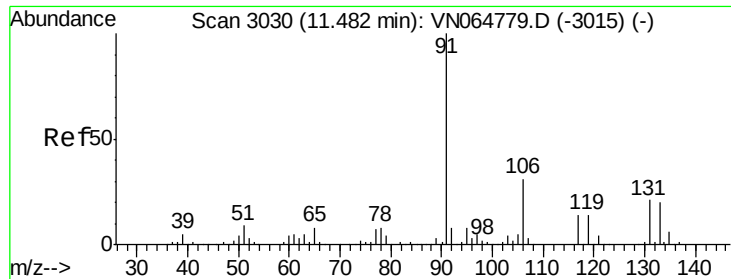
MMDadoda
12/8/2020 5:03:59 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.164 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN064935.D
Acq: 7 Dec 2020 10:30

Tgt Ion:131 Resp: 121172
Ion Ratio Lower Upper
131 100
133 95.3 47.5 142.5
119 66.8 33.3 99.8





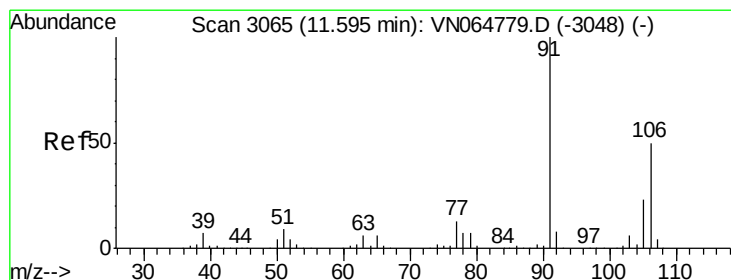
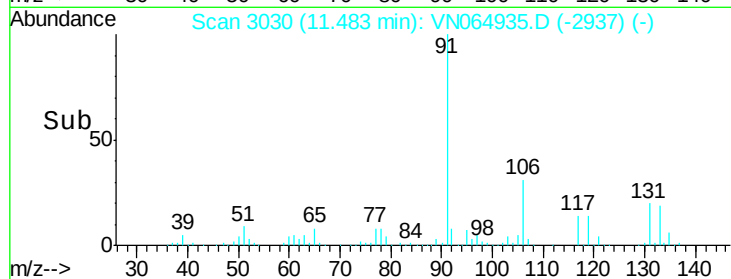
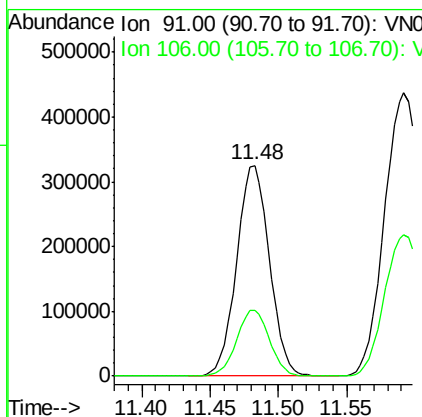
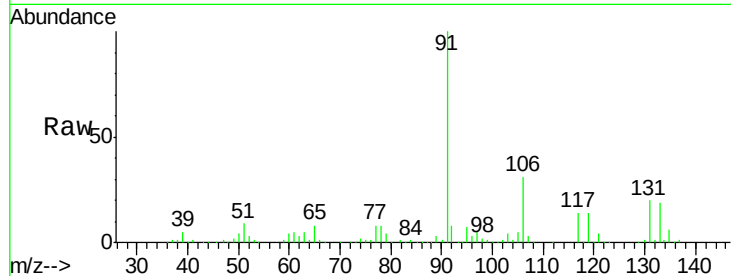
#67
Ethyl Benzene
Concen: 50.481 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064935.D
Acq: 7 Dec 2020 10:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 543458
Ion Ratio Lower Upper
91 100
106 31.4 25.2 37.8

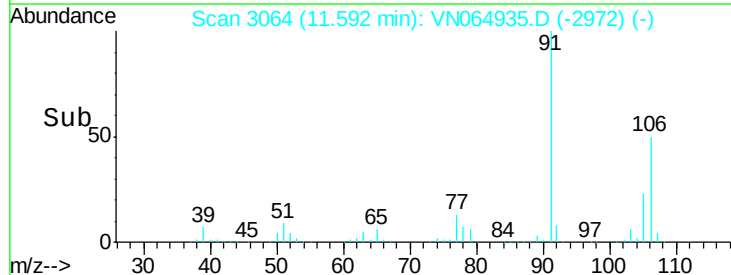
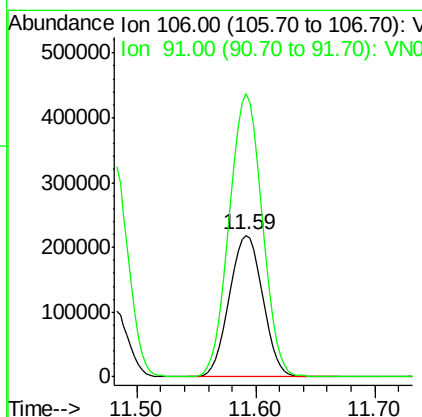
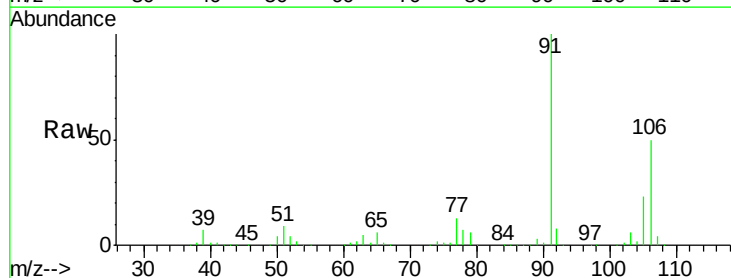
Manual Integrations
APPROVED

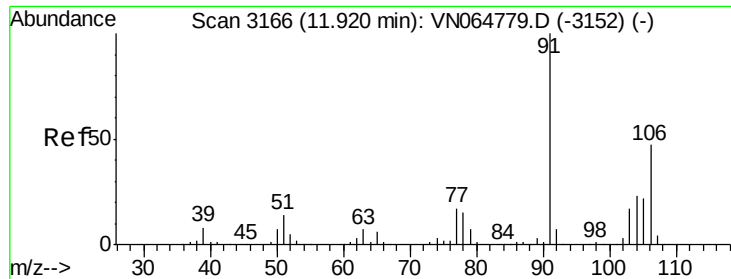
MMDadoda
12/8/2020 5:03:59 PM



#68
m/p-Xylenes
Concen: 104.357 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. -0.00 min
Lab File: VN064935.D
Acq: 7 Dec 2020 10:30

Tgt Ion: 106 Resp: 425353
Ion Ratio Lower Upper
106 100
91 197.9 161.0 241.4





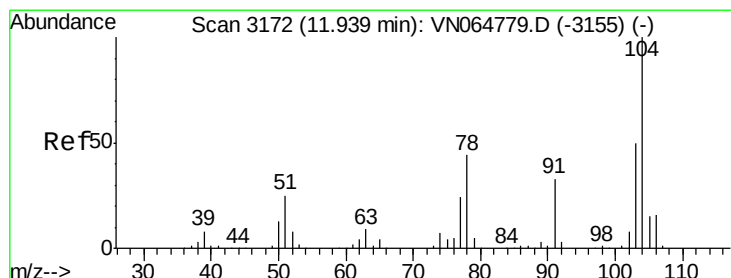
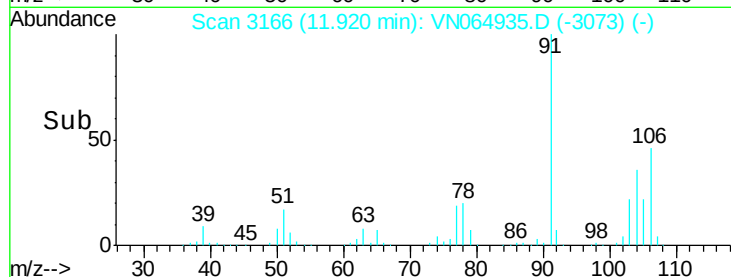
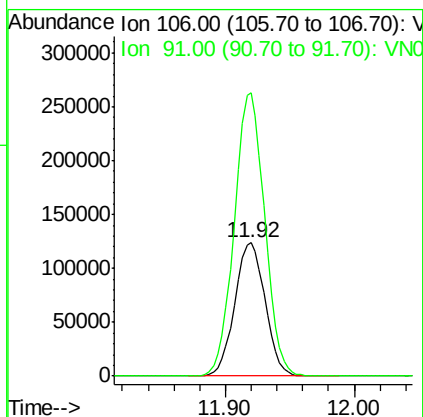
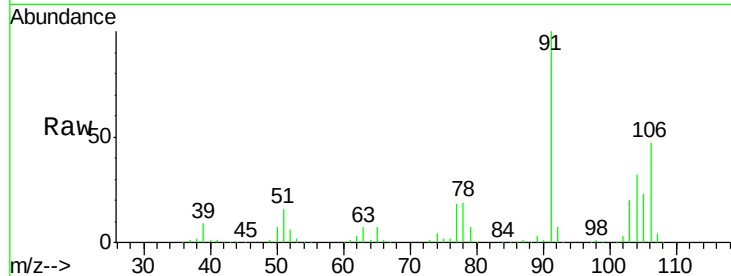
#69
o-Xylene
Concen: 52.495 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN064935.D
Acq: 7 Dec 2020 10:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 203045
Ion Ratio Lower Upper
106 100
91 211.9 105.5 316.5

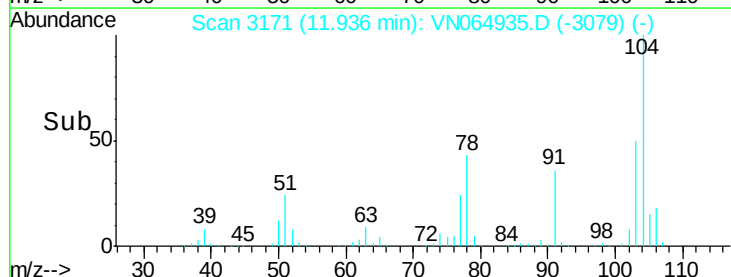
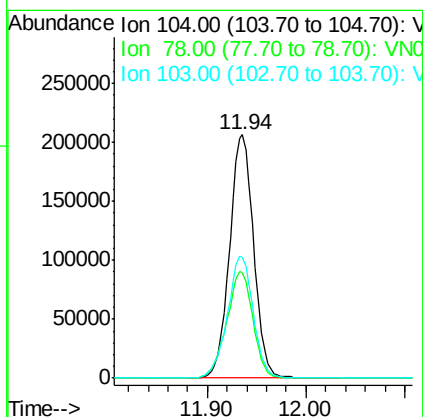
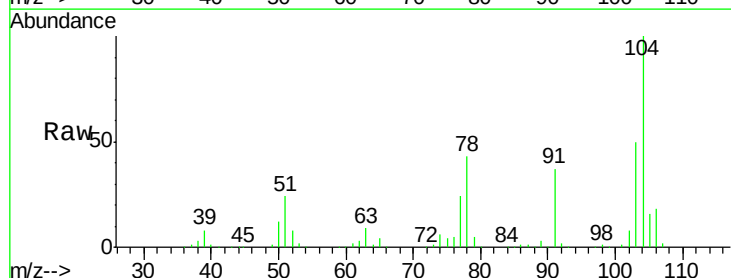
Manual Integrations
APPROVED

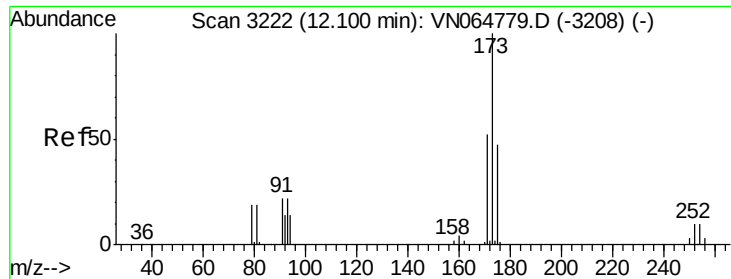
MMDadoda
12/8/2020 5:03:59 PM



#70
Styrene
Concen: 53.985 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064935.D
Acq: 7 Dec 2020 10:30

Tgt Ion:104 Resp: 352498
Ion Ratio Lower Upper
104 100
78 47.9 39.0 58.6
103 53.7 44.3 66.5





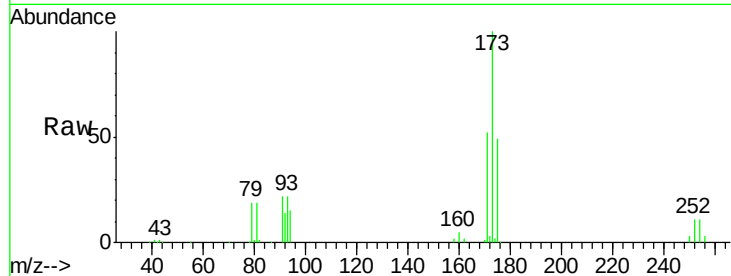
#71
Bromoform
Concen: 49.475 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN064935.D
Acq: 7 Dec 2020 10:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

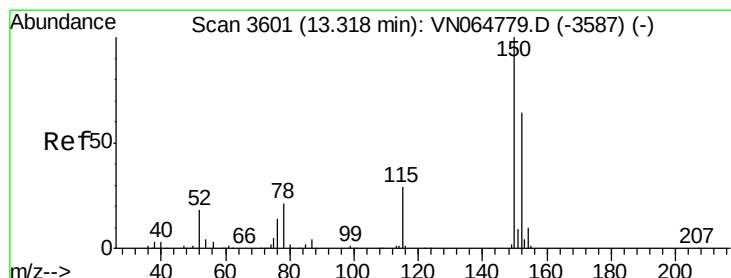
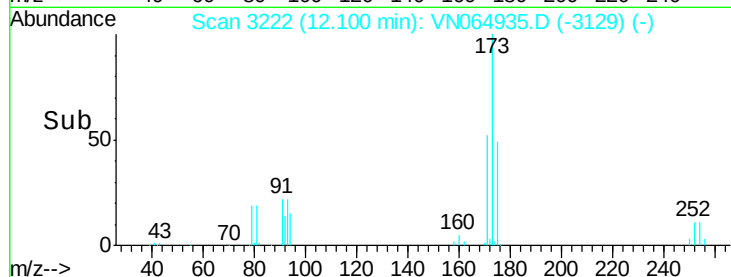
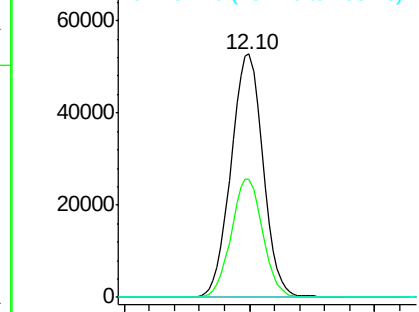
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.4	24.3	72.8
254	0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
12/8/2020 5:03:59 PM

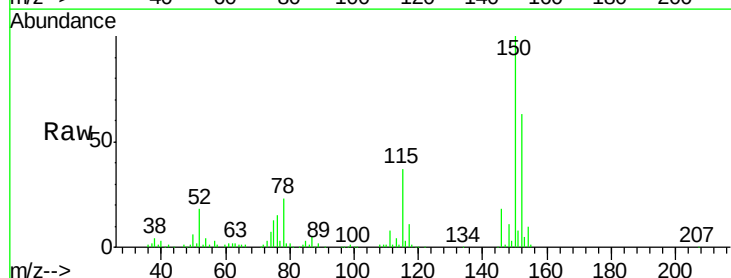


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

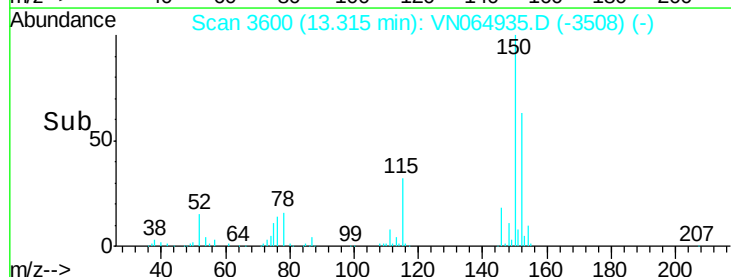
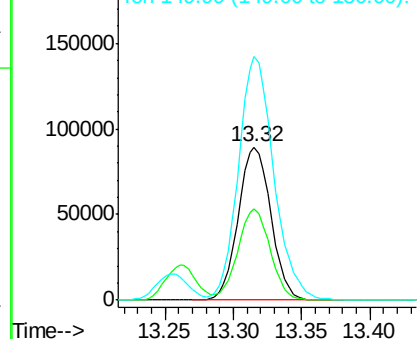


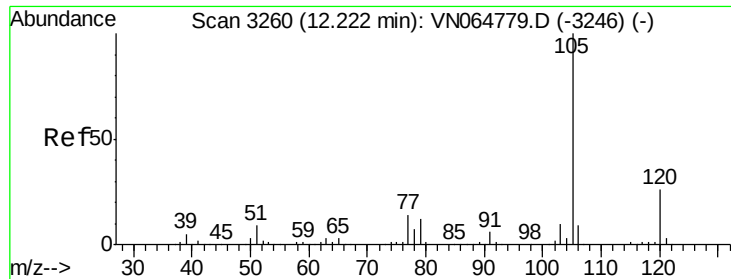
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3600
Delta R.T. -0.00 min
Lab File: VN064935.D
Acq: 7 Dec 2020 10:30

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.6	29.7	89.1
150	171.7	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: 51.005 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN064935.D

Acq: 7 Dec 2020 10:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 528945

Ion Ratio Lower Upper

105 100

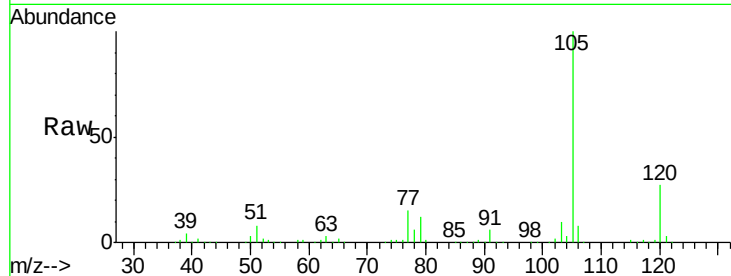
120 26.9 13.3 39.9

Manual Integrations

APPROVED

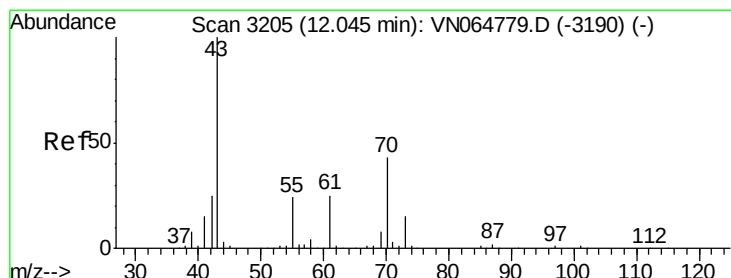
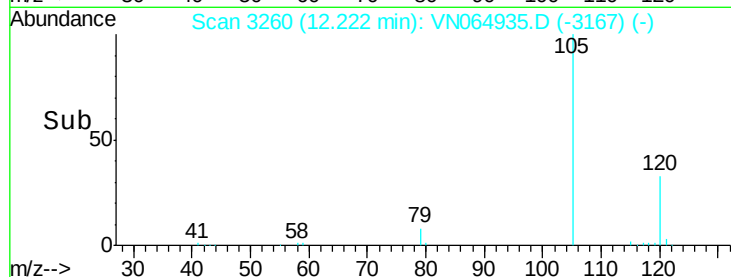
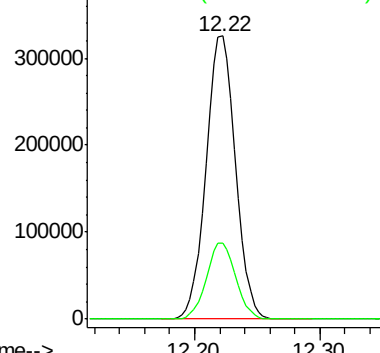
MMDadoda

12/8/2020 5:03:59 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 48.293 ug/l

RT: 12.04 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VN064935.D

Acq: 7 Dec 2020 10:30

Tgt Ion: 43 Resp: 197092

Ion Ratio Lower Upper

43 100

70 44.1 34.5 51.7

55 25.3 20.4 30.6

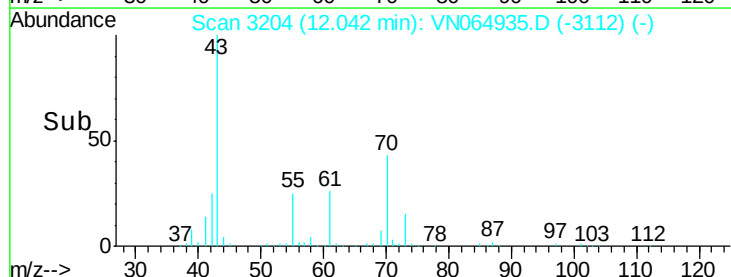
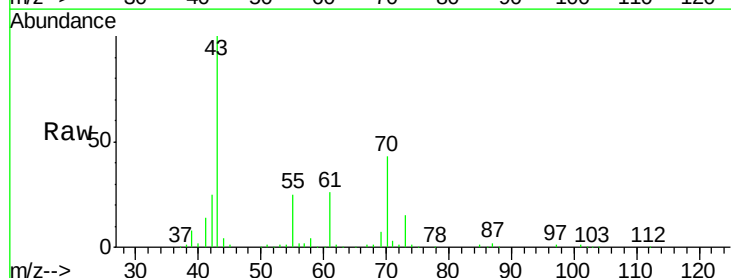
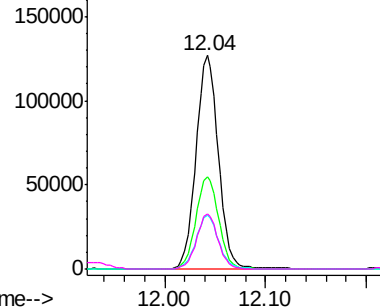
61 24.6 20.0 30.0

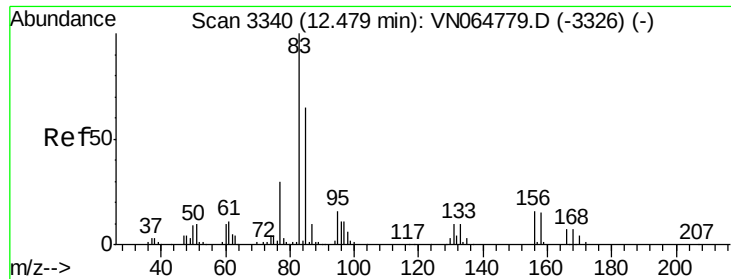
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 48.043 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN064935.D

Acq: 7 Dec 2020 10:30

Instrument :

MSVOA_N

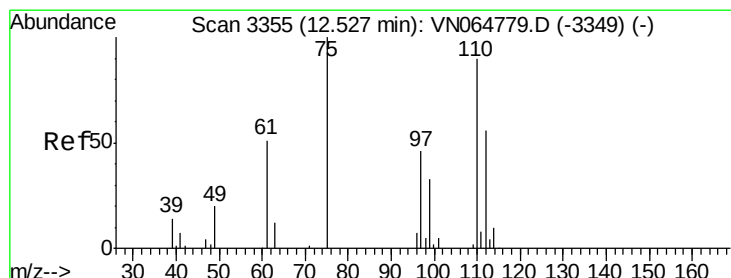
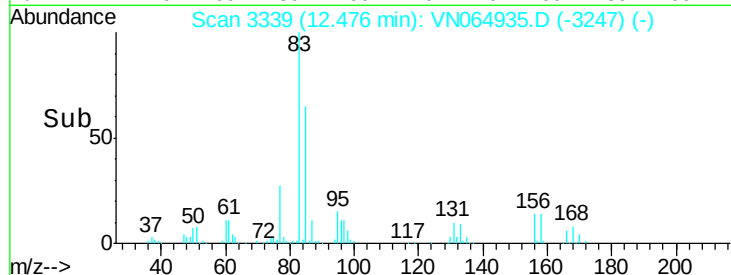
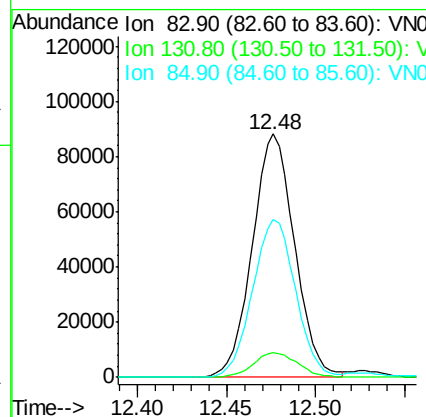
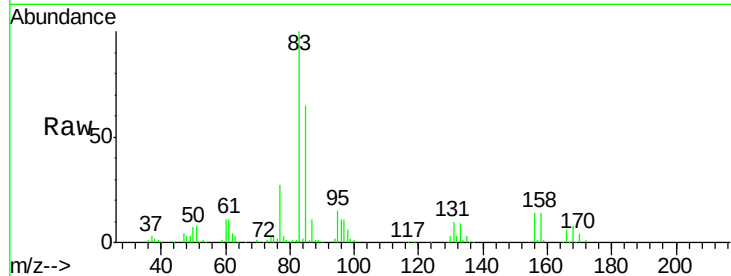
ClientSampled :

VSTDCCC050

Tot Ion:	83	Resp:	146032
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.1	15.3
85	65.8	33.0	99.0

Manual Integrations
APPROVED

MMDadoda
12/8/2020 5:03:59 PM



#76

1,2,3-Trichloropropane

Concen: 48.404 ug/l m

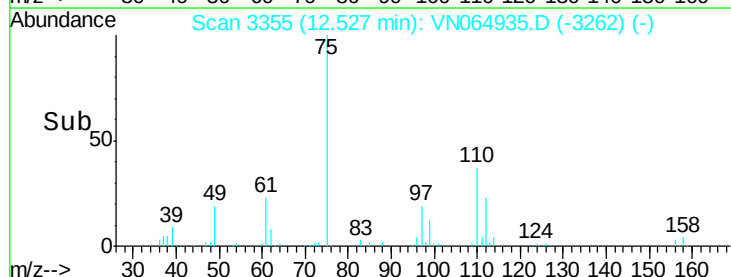
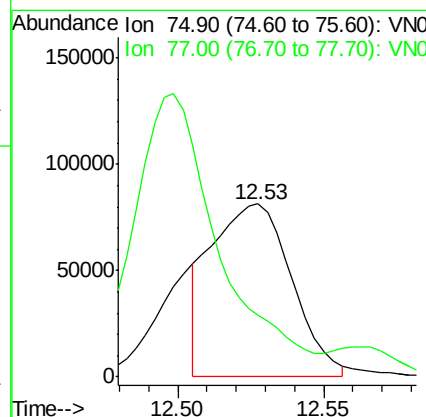
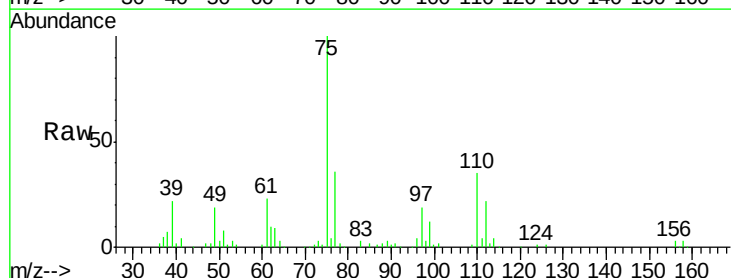
RT: 12.53 min Scan# 3355

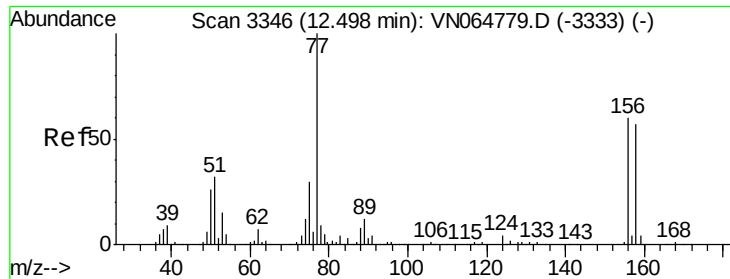
Delta R.T. 0.00 min

Lab File: VN064935.D

Acq: 7 Dec 2020 10:30

Tgt Ion:	75	Resp:	155416
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 48.898 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064935.D

Acq: 7 Dec 2020 10:30

Instrument :

MSVOA_N

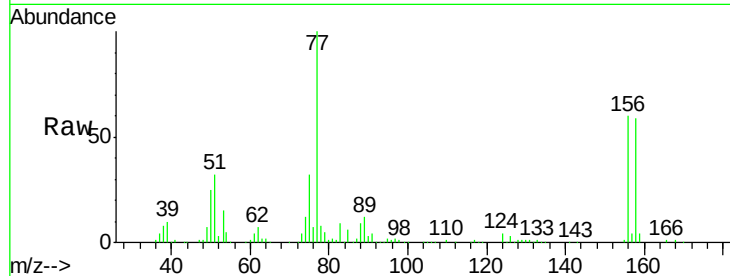
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	136712
Ion Ratio	Lower	Upper	
156	100		
77	198.9	101.3	303.7
158	98.2	48.2	144.6

Manual Integrations
APPROVED

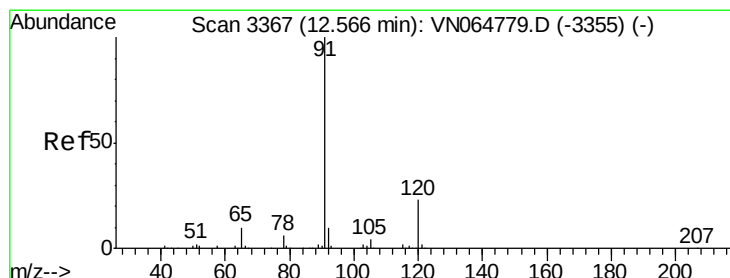
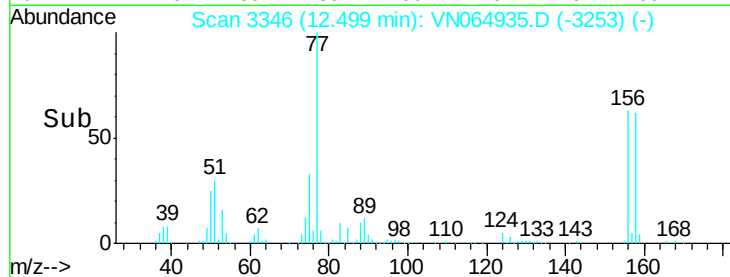
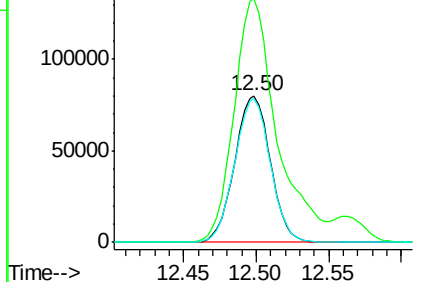
MMDadoda
12/8/2020 5:03:59 PM



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: 50.598 ug/l

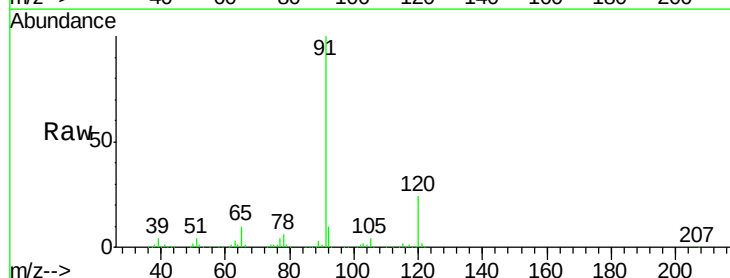
RT: 12.56 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN064935.D

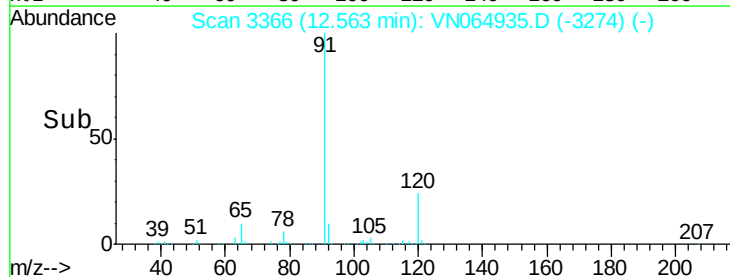
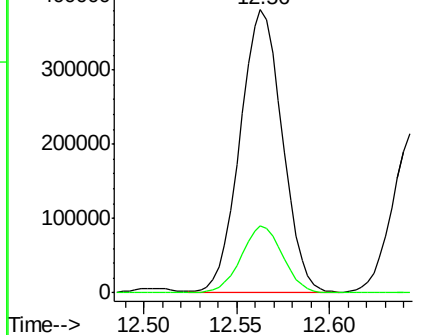
Acq: 7 Dec 2020 10:30

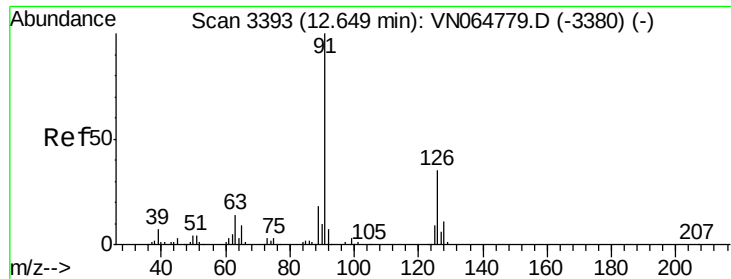
Tgt Ion:	91	Resp:	597757
Ion Ratio	Lower	Upper	
91	100		
120	23.6	11.6	34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.800 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064935.D

Acq: 7 Dec 2020 10:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 363676

Ion Ratio Lower Upper

91 100

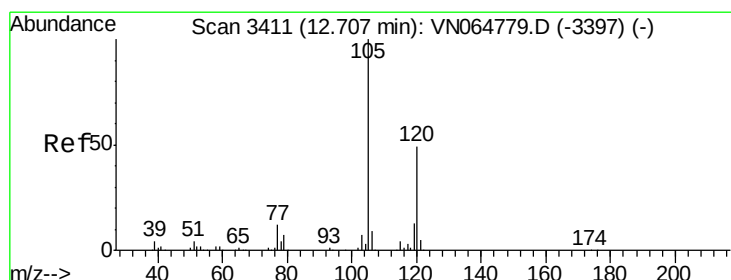
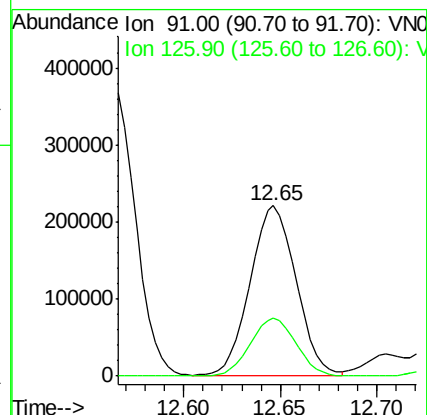
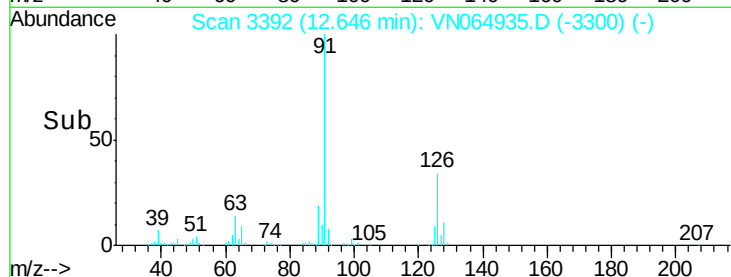
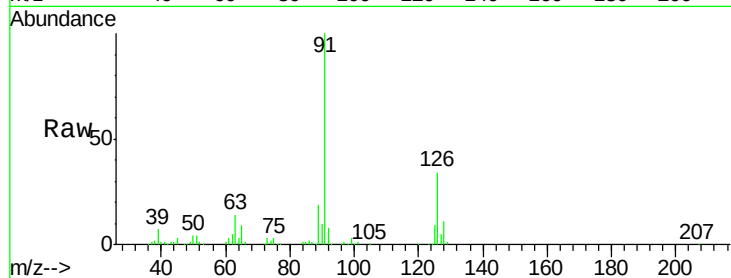
126 34.3 17.2 51.6

Manual Integrations

APPROVED

MMDadoda

12/8/2020 5:03:59 PM



#80

1,3,5-Trimethylbenzene

Concen: 52.596 ug/l

RT: 12.70 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN064935.D

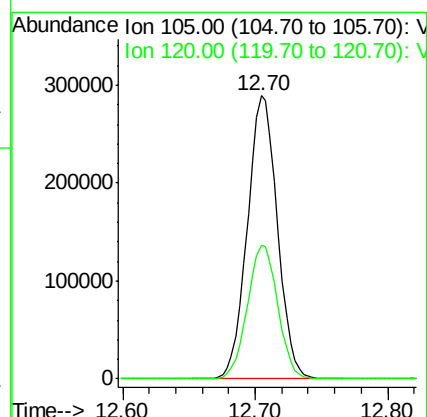
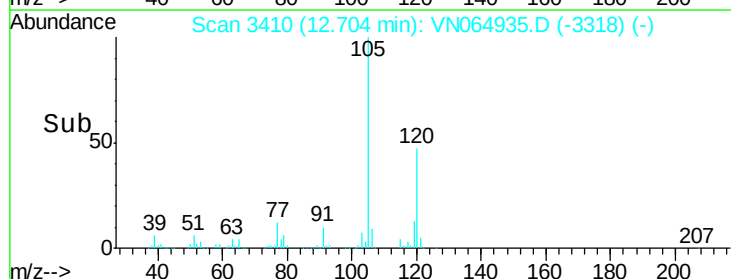
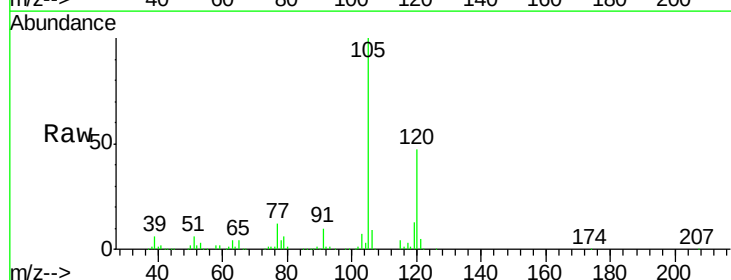
Acq: 7 Dec 2020 10:30

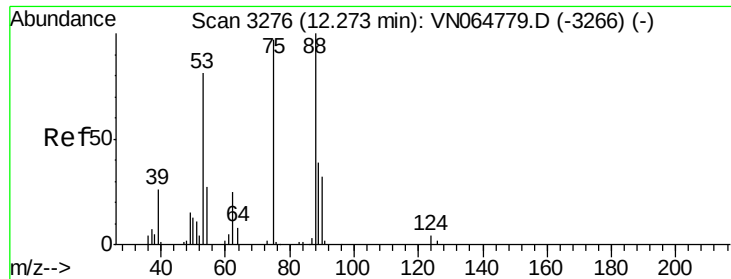
Tgt Ion: 105 Resp: 453365

Ion Ratio Lower Upper

105 100

120 47.9 24.6 73.6





#81

trans-1,4-Dichloro-2-butene

Concen: 47.236 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN064935.D

Acq: 7 Dec 2020 10:30

Instrument :

MSVOA_N

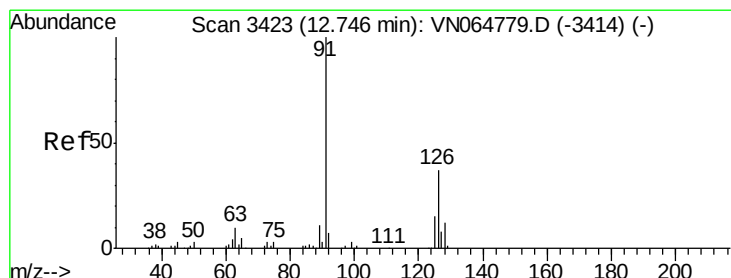
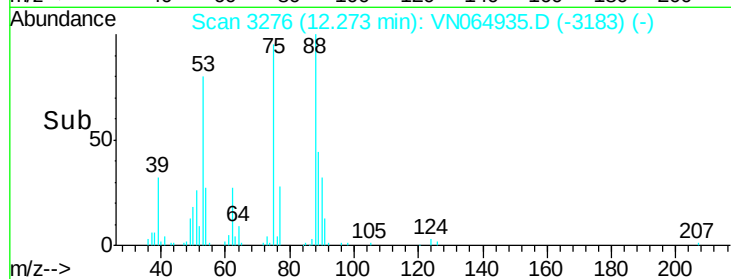
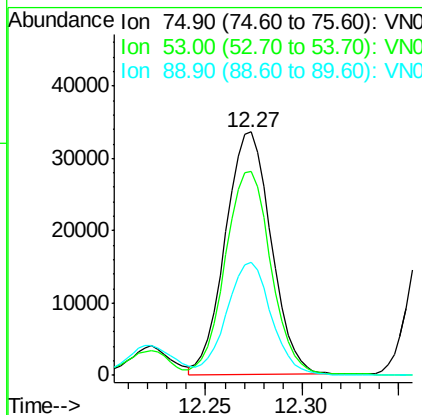
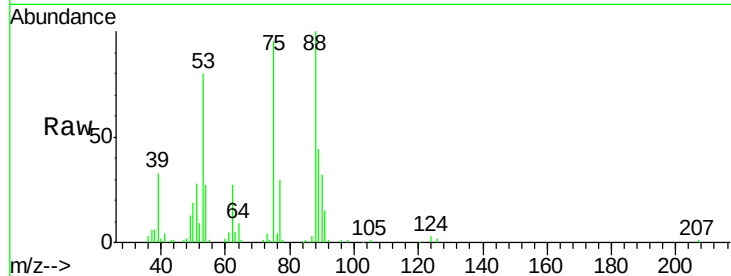
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	55337
Ion Ratio	Lower	Upper	
75	100		
53	84.7	67.0	100.4
89	45.6	39.6	59.4

Manual Integrations
APPROVED

MMDadoda
12/8/2020 5:03:59 PM



#82

4-Chlorotoluene

Concen: 50.191 ug/l

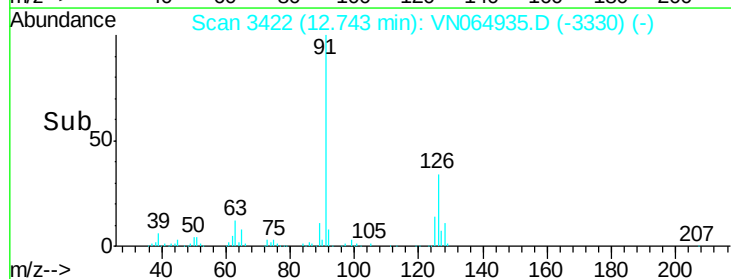
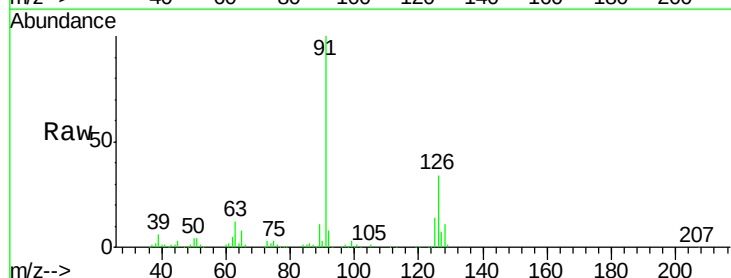
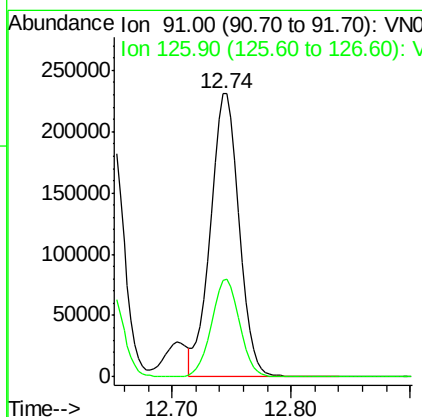
RT: 12.74 min Scan# 3422

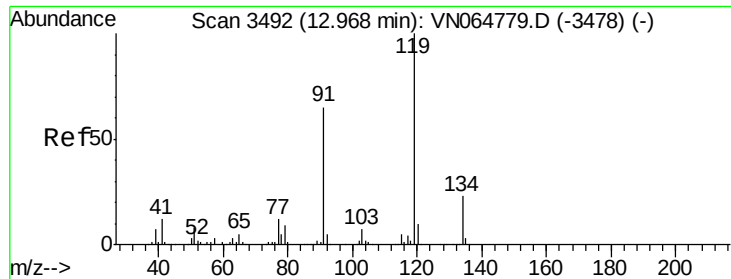
Delta R.T. -0.00 min

Lab File: VN064935.D

Acq: 7 Dec 2020 10:30

Tgt Ion:	91	Resp:	384193
Ion Ratio	Lower	Upper	
91	100		
126	33.8	16.9	50.7





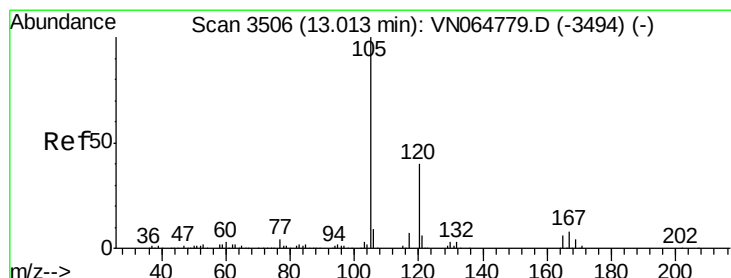
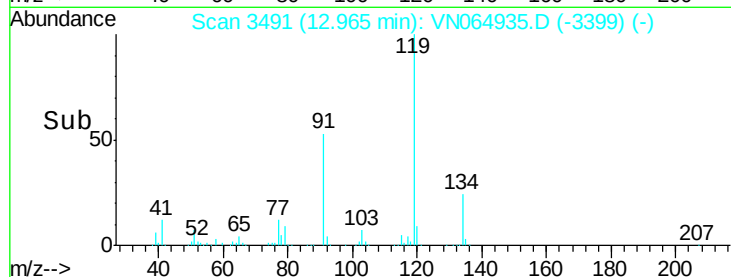
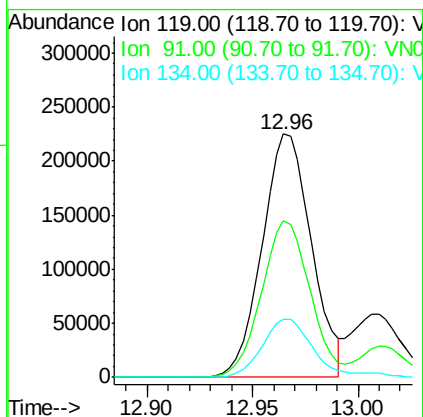
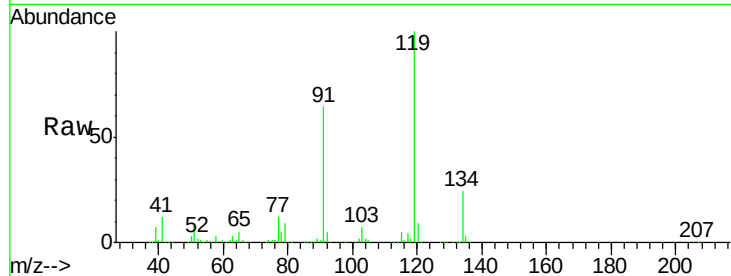
#83
 tert-Butylbenzene
 Concen: 50.606 ug/l
 RT: 12.96 min Scan# 3491
 Delta R.T. -0.00 min
 Lab File: VN064935.D
 Acq: 7 Dec 2020 10:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	365635		
91	63.5		32.3	96.8
134	25.3		12.6	37.6

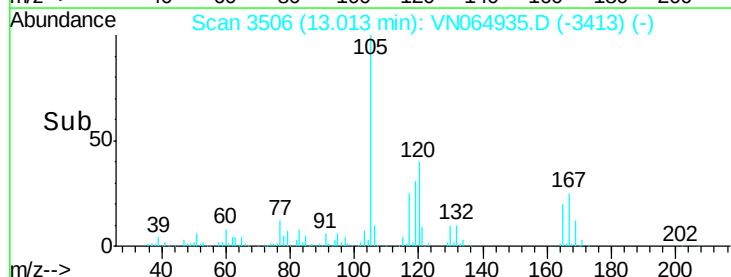
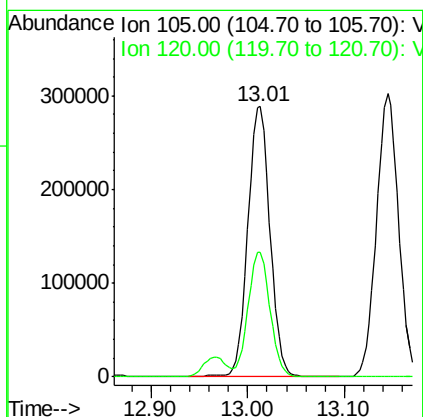
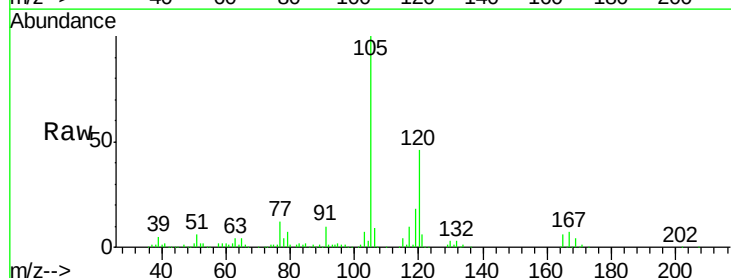
Manual Integrations
 APPROVED

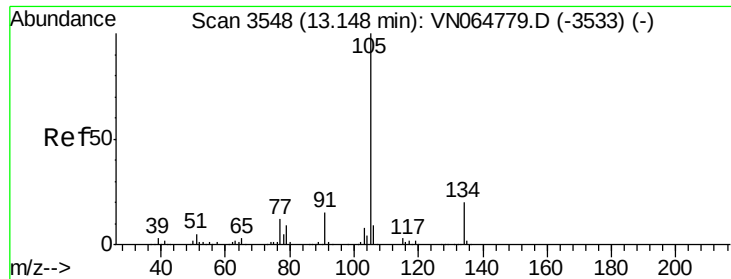
MMDadoda
 12/8/2020 5:03:59 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 52.780 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN064935.D
 Acq: 7 Dec 2020 10:30

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	459991		
120	45.5		23.1	69.2





#85

sec-Butylbenzene

Concen: 49.867 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064935.D

Acq: 7 Dec 2020 10:30

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:105 Resp: 478377

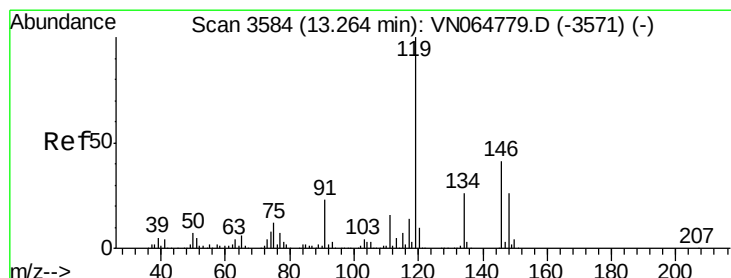
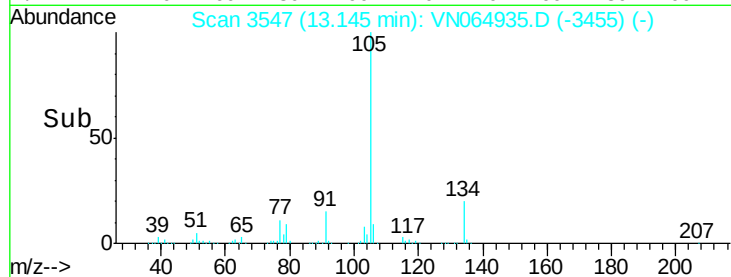
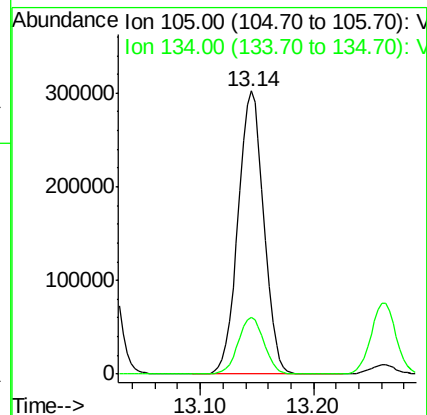
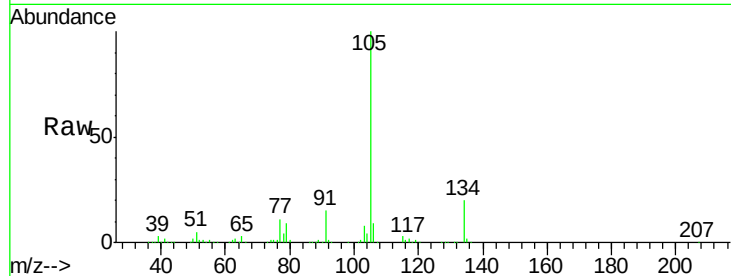
Ion Ratio Lower Upper

105 100

134 20.1 10.1 30.1

Manual Integrations
APPROVED

MMDadoda
12/8/2020 5:03:59 PM



#86

p-Isopropyltoluene

Concen: 51.493 ug/l

RT: 13.26 min Scan# 3583

Delta R.T. -0.00 min

Lab File: VN064935.D

Acq: 7 Dec 2020 10:30

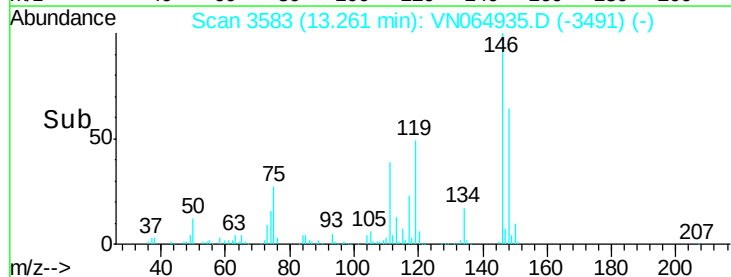
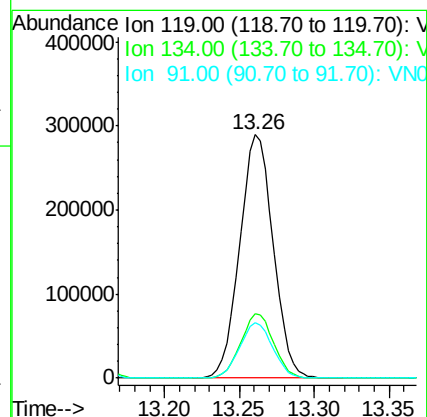
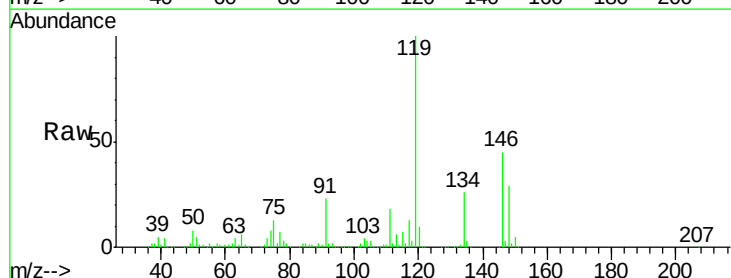
Tgt Ion:119 Resp: 449729

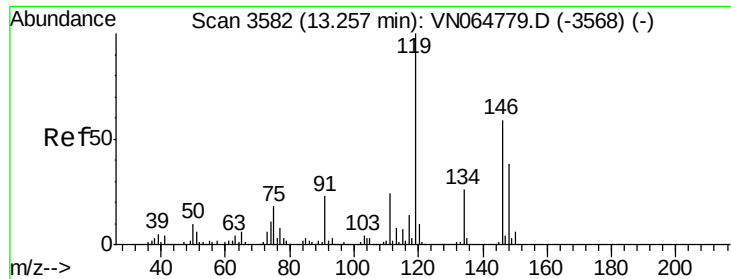
Ion Ratio Lower Upper

119 100

134 26.1 13.1 39.1

91 22.4 11.5 34.5





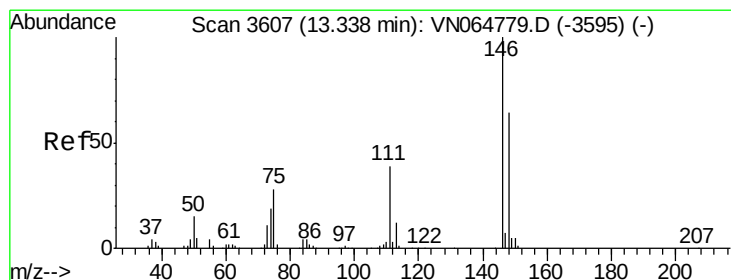
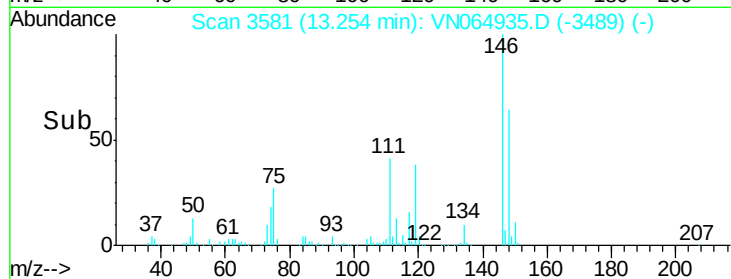
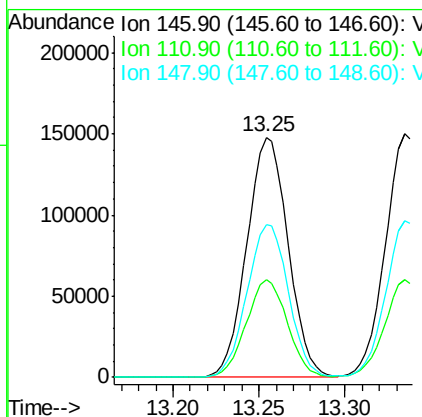
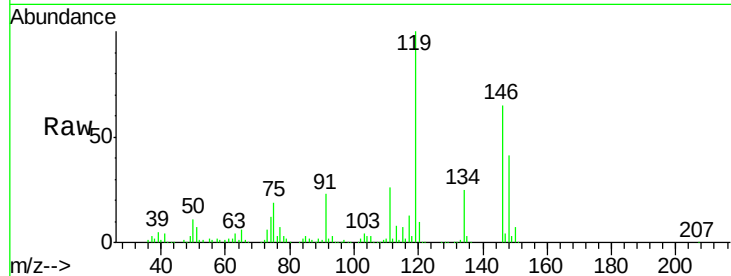
#87
 1,3-Dichlorobenzene
 Concen: 49.491 ug/l
 RT: 13.25 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN064935.D
 Acq: 7 Dec 2020 10:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.6	61.9
148	63.9	31.9	95.5

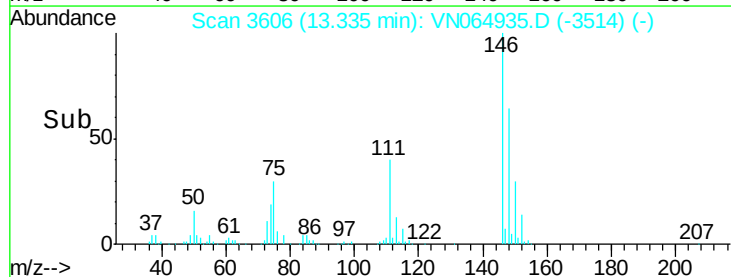
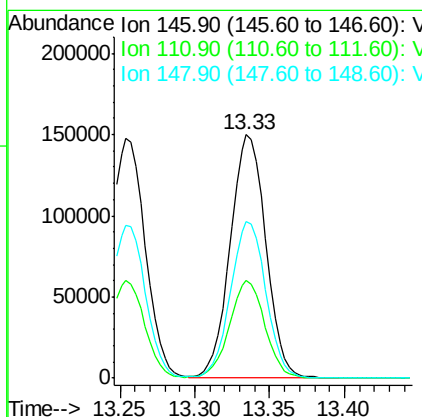
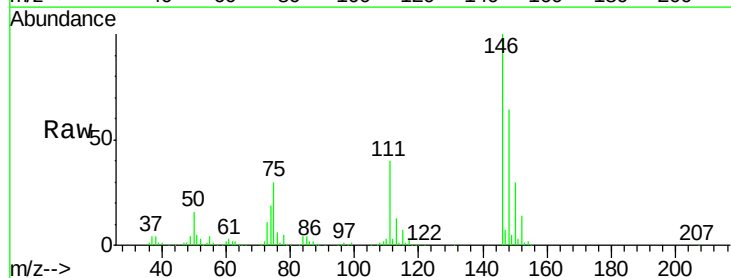
Manual Integrations
 APPROVED

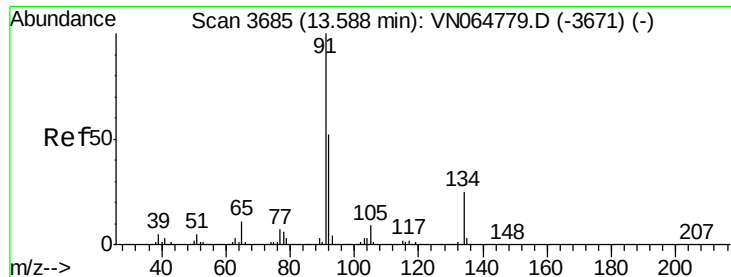
MMDadoda
 12/8/2020 5:03:59 PM



#88
 1,4-Dichlorobenzene
 Concen: 47.157 ug/l
 RT: 13.33 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN064935.D
 Acq: 7 Dec 2020 10:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.8	59.3
148	63.8	31.9	95.5





#89

n-Butylbenzene

Concen: 49.006 ug/l

RT: 13.59 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN064935.D

Acq: 7 Dec 2020 10:30

Instrument :

MSVOA_N

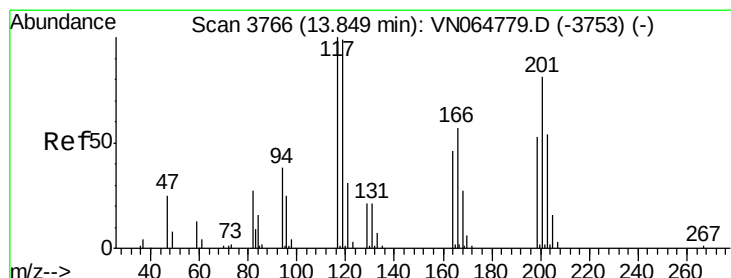
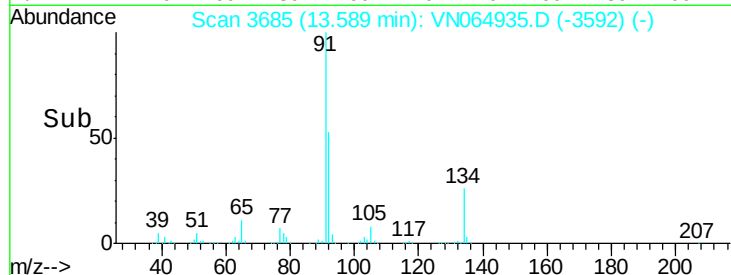
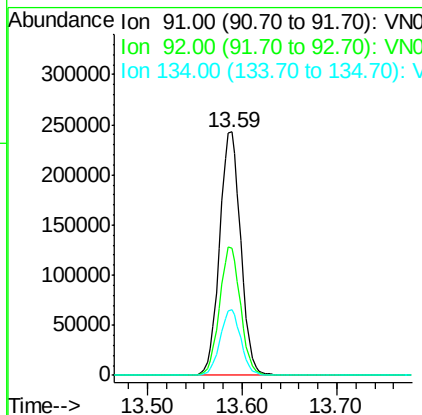
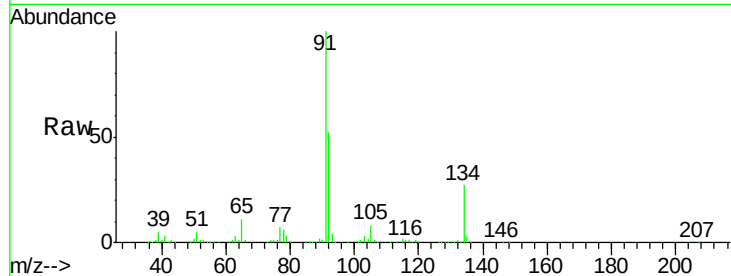
ClientSampleId :

VSTDCCC050

Tot Ion:	91	Resp:	375867
Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.0	78.0
134	26.3	12.9	38.6

Manual Integrations
APPROVED

MMDadoda
12/8/2020 5:03:59 PM



#90

Hexachloroethane

Concen: 51.619 ug/l

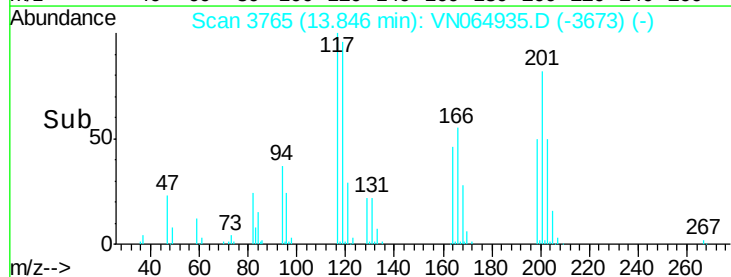
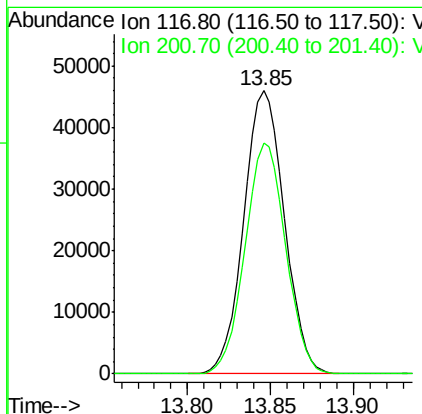
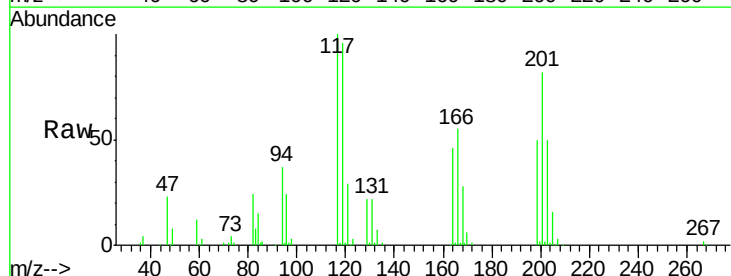
RT: 13.85 min Scan# 3765

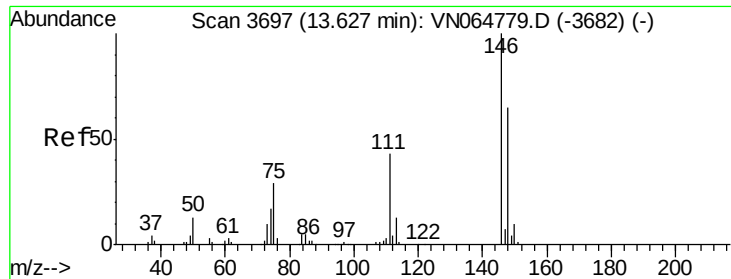
Delta R.T. -0.00 min

Lab File: VN064935.D

Acq: 7 Dec 2020 10:30

Tgt Ion:	117	Resp:	78317
Ion	Ratio	Lower	Upper
117	100		
201	81.5	40.1	120.3





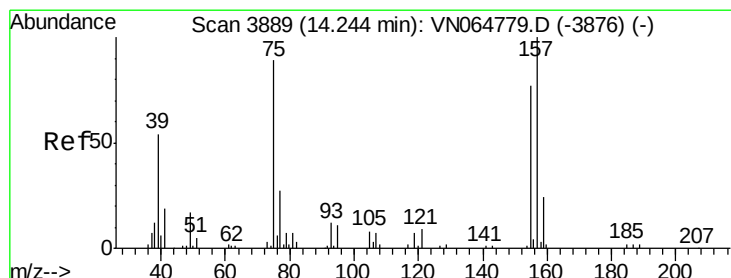
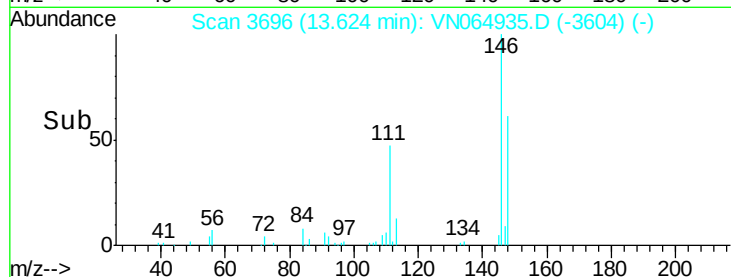
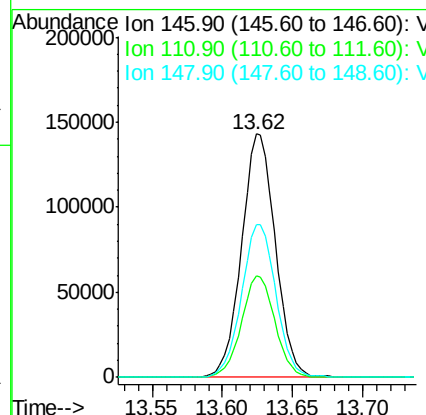
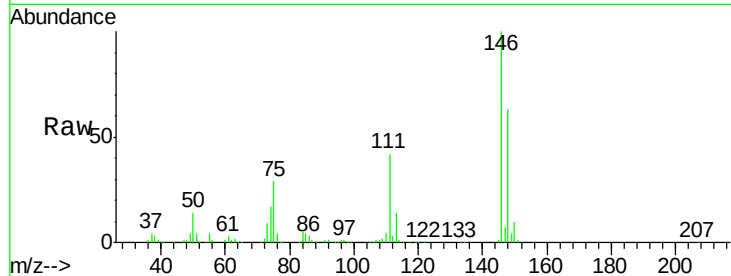
#91
 1,2-Dichlorobenzene
 Concen: 49.283 ug/l
 RT: 13.62 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN064935.D
 Acq: 7 Dec 2020 10:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	240368		
111	41.5	21.1	63.1	
148	64.0	32.0	96.2	

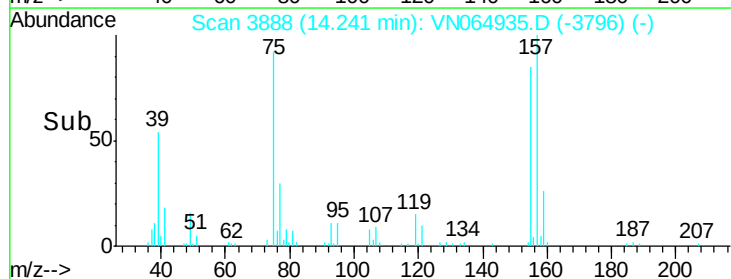
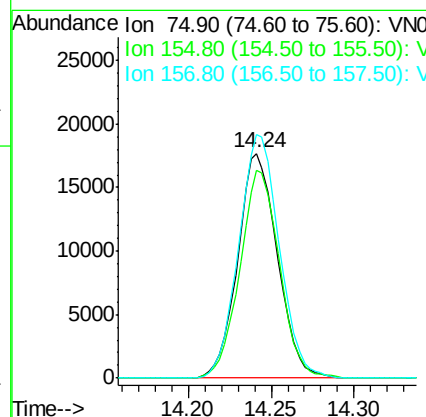
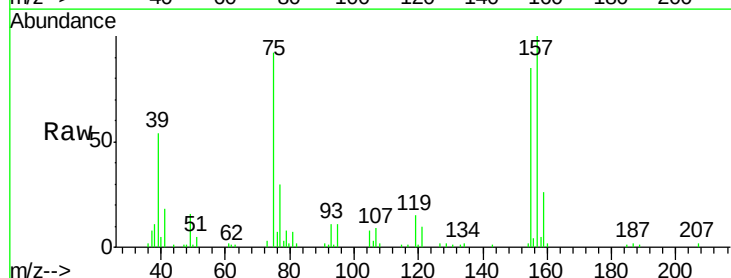
Manual Integrations
 APPROVED

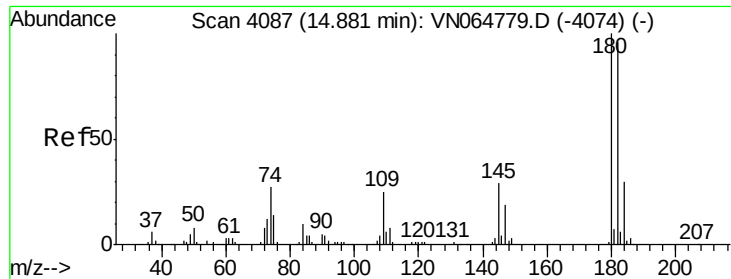
MMDadoda
 12/8/2020 5:03:59 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 43.013 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN064935.D
 Acq: 7 Dec 2020 10:30

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	29418		
155	91.8	42.8	128.3	
157	110.7	56.4	169.1	





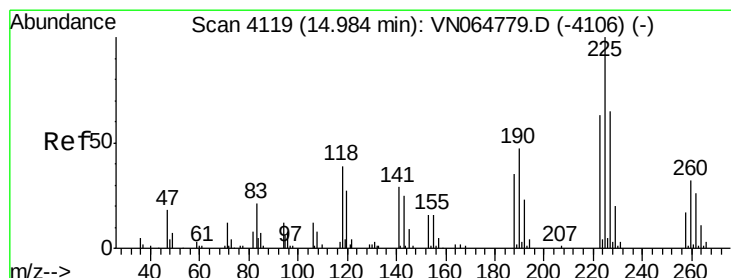
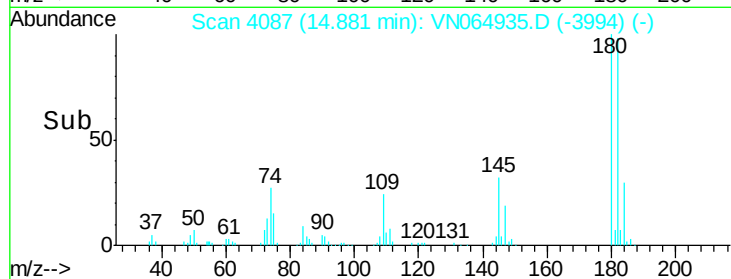
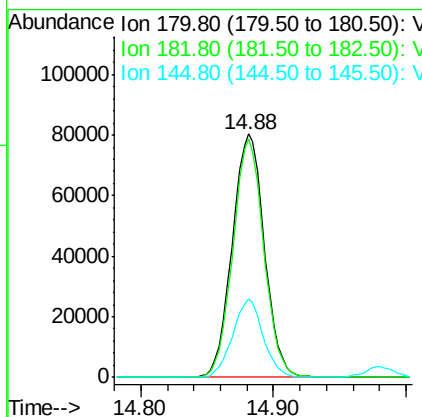
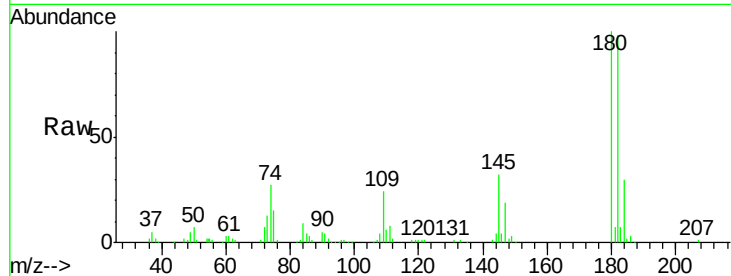
#93
 1,2,4-Trichlorobenzene
 Concen: 44.739 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN064935.D
 Acq: 7 Dec 2020 10:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.6	142.9
145	30.5	15.3	45.8

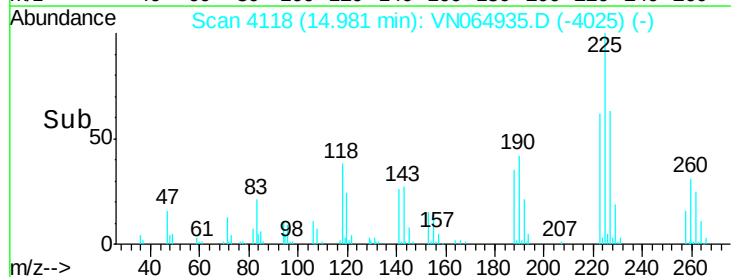
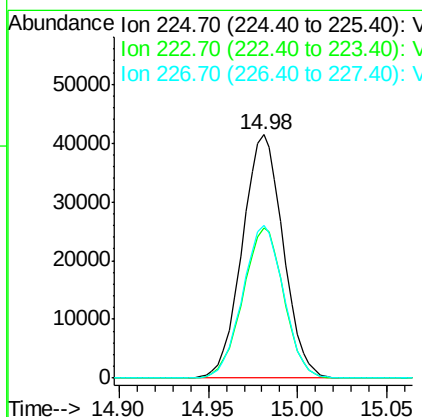
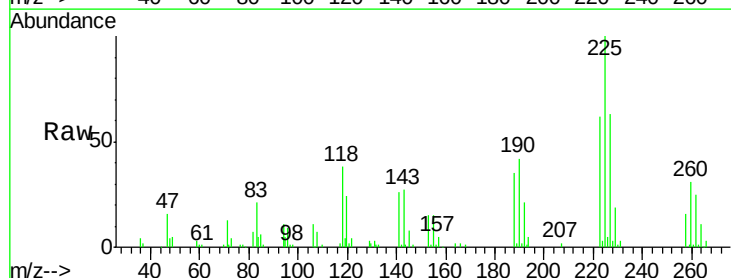
Manual Integrations
 APPROVED

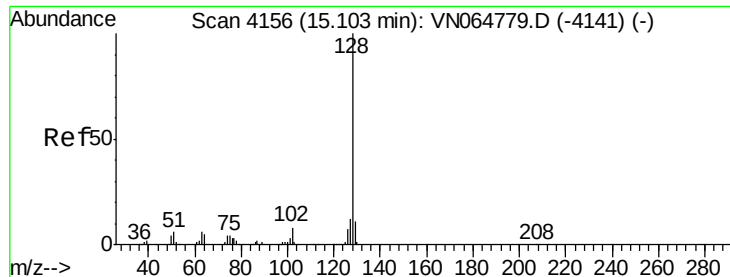
MMDadoda
 12/8/2020 5:03:59 PM



#94
 Hexachlorobutadiene
 Concen: 48.893 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064935.D
 Acq: 7 Dec 2020 10:30

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.7	31.0	93.0
227	62.9	32.0	96.0





#95

Naphthalene

Concen: 43.340 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064935.D

Acq: 7 Dec 2020 10:30

Instrument :

MSVOA_N

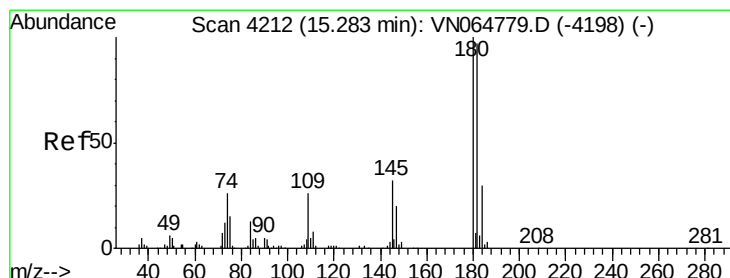
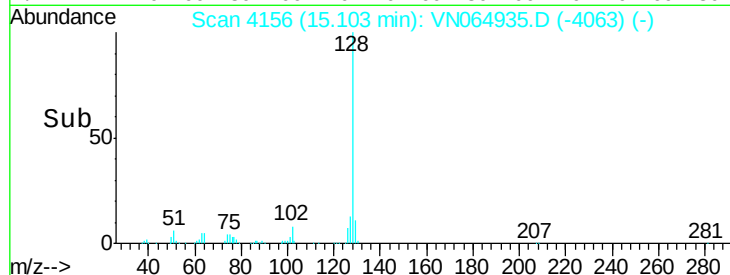
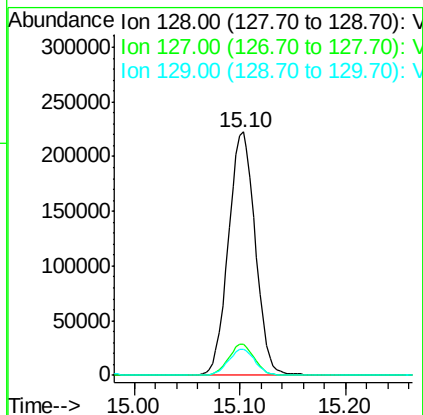
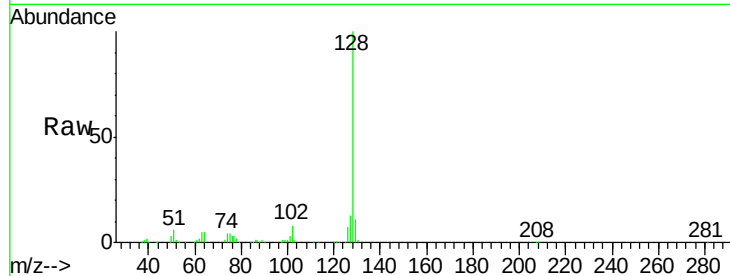
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	391754
Ion Ratio	Lower	Upper	
128	100		
127	12.5	10.3	15.5
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
12/8/2020 5:03:59 PM



#96

1,2,3-Trichlorobenzene

Concen: 44.276 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN064935.D

Acq: 7 Dec 2020 10:30

Tgt Ion:	180	Resp:	126480
Ion Ratio	Lower	Upper	
180	100		
182	95.0	48.1	144.4
145	31.9	16.4	49.1

