

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080520\
 Data File : VN062756.D
 Acq On : 5 Aug 2020 12:15
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 8/6/2020 1:51:46 PM

Quant Time: Aug 05 12:53:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080520W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 12:39:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	151777	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	243434	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	227721	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	116130	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	120579	50.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.50%	
35) Dibromofluoromethane	7.55	113	80765	50.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.88%	
50) Toluene-d8	10.06	98	316657	49.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.28%	
62) 4-Bromofluorobenzene	12.38	95	121352	51.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	115416	60.471	ug/l	100
3) Chloromethane	2.03	50	100183	41.678	ug/l	100
4) Vinyl Chloride	2.15	62	98242	46.568	ug/l	100
5) Bromomethane	2.50	94	59439	59.316	ug/l	100
6) Chloroethane	2.65	64	62920	62.184	ug/l	100
7) Trichlorofluoromethane	2.97	101	167650	63.501	ug/l	100
8) Diethyl Ether	3.37	74	48704	42.898	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.71	101	69937	44.359	ug/l	100
10) Methyl Iodide	3.91	142	87512	44.093	ug/l	100
11) Tert butyl alcohol	4.75	59	104956	271.890	ug/l	100
12) 1,1-Dichloroethene	3.69	96	66332	41.982	ug/l	100
13) Acrolein	3.56	56	60386	180.676	ug/l	100
14) Allyl chloride	4.27	41	124583	37.264	ug/l	100
15) Acrylonitrile	4.93	53	247161	248.049	ug/l	100
16) Acetone	3.78	43	217544	244.951	ug/l	100
17) Carbon Disulfide	4.00	76	184404	36.081	ug/l	100
18) Methyl Acetate	4.28	43	111713	49.646	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	302703	50.624	ug/l	100
20) Methylene Chloride	4.50	84	83782	40.430	ug/l	100
21) trans-1,2-Dichloroethene	4.99	96	72542	41.438	ug/l	100
22) Diisopropyl ether	5.91	45	290577	42.877	ug/l	100
23) Vinyl Acetate	5.84	43	1050169	193.648	ug/l	100
24) 1,1-Dichloroethane	5.80	63	159373	43.394	ug/l	100
25) 2-Butanone	6.79	43	331253	247.018	ug/l	100
26) 2,2-Dichloropropane	6.77	77	144512	47.009	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	87357	43.477	ug/l	100
28) Bromochloromethane	7.15	49	76523	42.693	ug/l	100
29) Tetrahydrofuran	7.17	42	219602	243.108	ug/l	100
30) Chloroform	7.33	83	169524	47.658	ug/l	100
31) Cyclohexane	7.61	56	146438	43.063	ug/l	100
32) 1,1,1-Trichloroethane	7.53	97	155994	51.766	ug/l	100
36) 1,1-Dichloropropene	7.75	75	117130	45.888	ug/l	100
37) Ethyl Acetate	6.89	43	123549	45.281	ug/l	100
38) Carbon Tetrachloride	7.73	117	132869	52.896	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080520\
 Data File : VN062756.D
 Acq On : 5 Aug 2020 12:15
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 8/6/2020 1:51:46 PM

Quant Time: Aug 05 12:53:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080520W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 12:39:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	141468	50.640	ug/l	100
40) Benzene	8.00	78	339021	44.172	ug/l	100
41) Methacrylonitrile	7.13	41	61642m	50.894	ug/l	
42) 1,2-Dichloroethane	8.09	62	147678	51.267	ug/l	100
43) Isopropyl Acetate	8.13	43	205120	46.569	ug/l	100
44) Trichloroethene	8.80	130	81919	46.851	ug/l	100
45) 1,2-Dichloropropane	9.09	63	95233	44.216	ug/l	100
46) Dibromomethane	9.18	93	62160	49.104	ug/l	100
47) Bromodichloromethane	9.37	83	142595	51.389	ug/l	100
48) Methyl methacrylate	9.17	41	102916	48.707	ug/l	100
49) 1,4-Dioxane	9.17	88	39932	1181.029	ug/l	100
51) 4-Methyl-2-Pentanone	9.95	43	693232	258.420	ug/l	100
52) Toluene	10.13	92	218139	48.430	ug/l	100
53) t-1,3-Dichloropropene	10.36	75	157829	51.458	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	155567	47.947	ug/l	100
55) 1,1,2-Trichloroethane	10.54	97	89506	50.699	ug/l	100
56) Ethyl methacrylate	10.40	69	150850	53.565	ug/l	100
57) 1,3-Dichloropropane	10.68	76	159592	49.603	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	201737	254.119	ug/l	100
59) 2-Hexanone	10.72	43	528820	275.745	ug/l	100
60) Dibromochloromethane	10.88	129	107496	54.085	ug/l	100
61) 1,2-Dibromoethane	10.98	107	91724	50.050	ug/l	100
64) Tetrachloroethene	10.60	164	71628	48.465	ug/l	100
65) Chlorobenzene	11.41	112	235914	49.529	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	96372	52.966	ug/l	100
67) Ethyl Benzene	11.49	91	438193	50.208	ug/l	100
68) m/p-Xylenes	11.60	106	324008	103.029	ug/l	100
69) o-Xylene	11.92	106	155735	52.052	ug/l	100
70) Styrene	11.94	104	276263	54.446	ug/l	100
71) Bromoform	12.10	173	79947	57.829	ug/l #	100
73) Isopropylbenzene	12.23	105	444118	48.573	ug/l	100
74) N-amyl acetate	12.05	43	191533	47.975	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.48	83	145625	45.993	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	150292m	50.609	ug/l	
77) Bromobenzene	12.50	156	104167	47.319	ug/l	100
78) n-propylbenzene	12.57	91	521283	48.768	ug/l	100
79) 2-Chlorotoluene	12.65	91	319316	48.353	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	393439	51.639	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.28	75	53397	50.277	ug/l	100
82) 4-Chlorotoluene	12.75	91	332005	48.266	ug/l	100
83) tert-Butylbenzene	12.97	119	327763	51.722	ug/l	100
84) 1,2,4-Trimethylbenzene	13.02	105	385033	51.492	ug/l	100
85) sec-Butylbenzene	13.15	105	432780	51.035	ug/l	100
86) p-Isopropyltoluene	13.26	119	394087	53.718	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	194942	50.071	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	189584	49.655	ug/l	100
89) n-Butylbenzene	13.59	91	325167	51.788	ug/l	100
90) Hexachloroethane	13.85	117	77208	49.412	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	184459	49.849	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.25	75	34052	57.082	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080520\
Data File : VN062756.D
Acq On : 5 Aug 2020 12:15
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

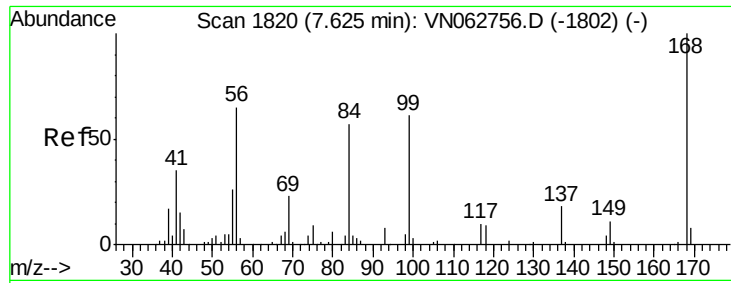
Manual Integrations
APPROVED

MMDadoda
8/6/2020 1:51:46 PM

Quant Time: Aug 05 12:53:56 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080520W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 05 12:39:06 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	88934	51.843	ug/l	100
94) Hexachlorobutadiene	14.98	225	59700	52.829	ug/l	100
95) Naphthalene	15.10	128	240070	50.734	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	90204	51.589	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN062756.D

Acq: 5 Aug 2020 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 151777

Ion Ratio Lower Upper

168 100

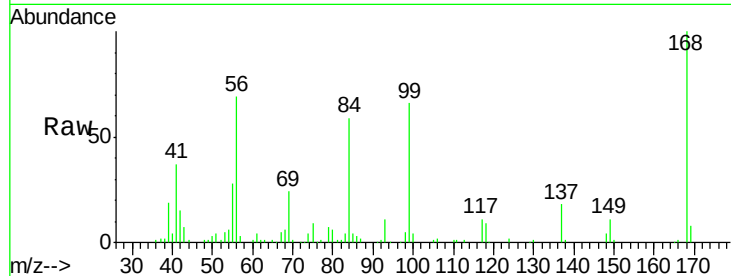
99 66.1 52.9 79.3

Manual Integrations

APPROVED

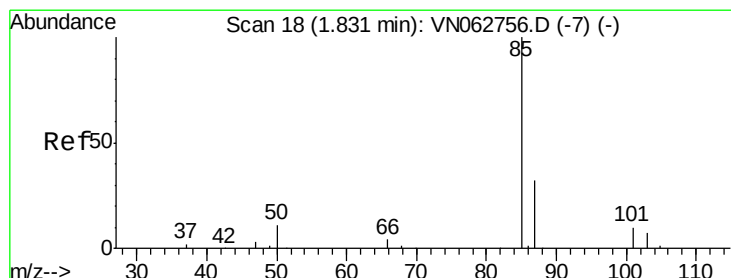
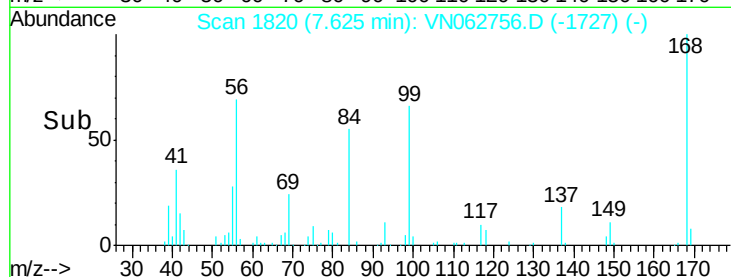
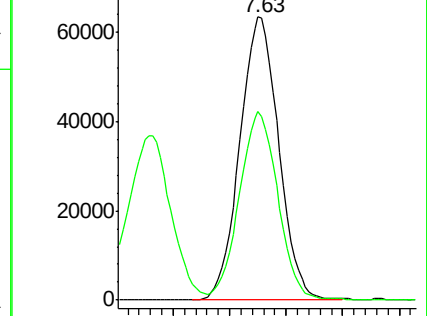
MMDadoda

8/6/2020 1:51:46 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 60.471 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN062756.D

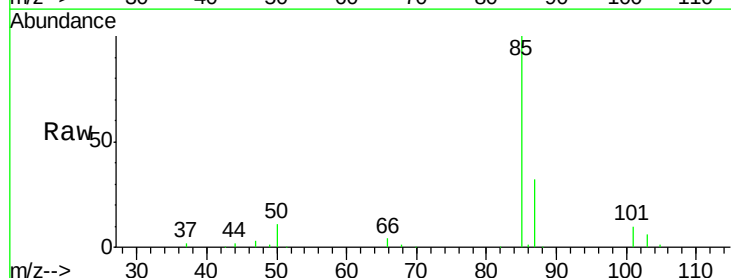
Acq: 5 Aug 2020 12:15

Tgt Ion: 85 Resp: 115416

Ion Ratio Lower Upper

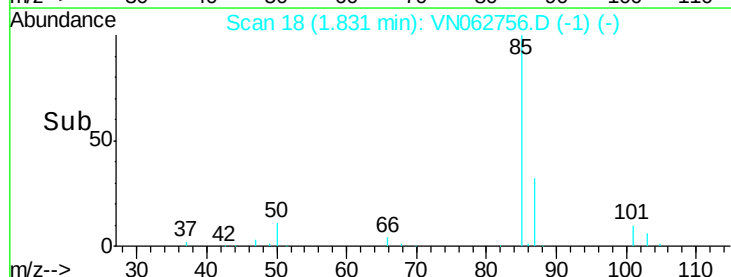
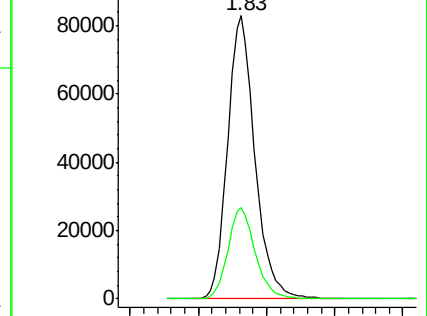
85 100

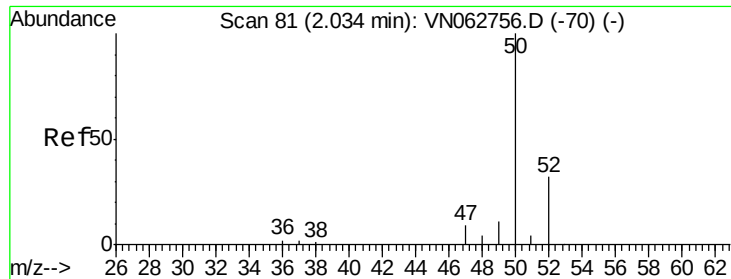
87 32.4 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 41.678 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN062756.D

Acq: 5 Aug 2020 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 100183

Ion Ratio Lower Upper

50 100

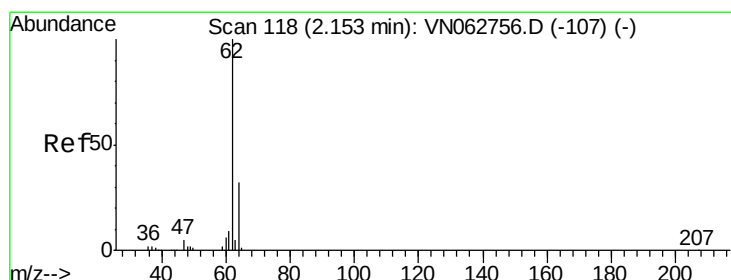
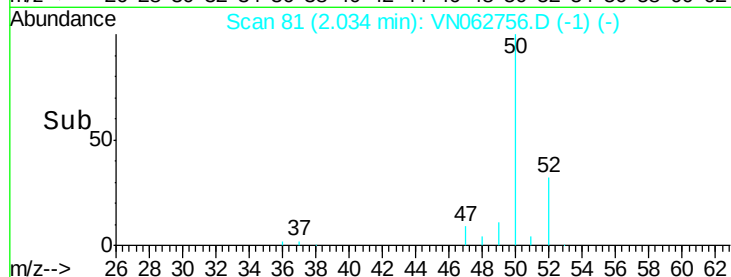
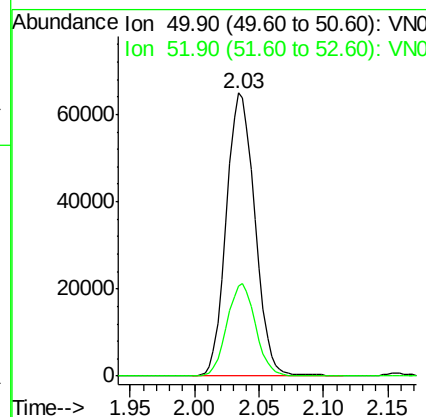
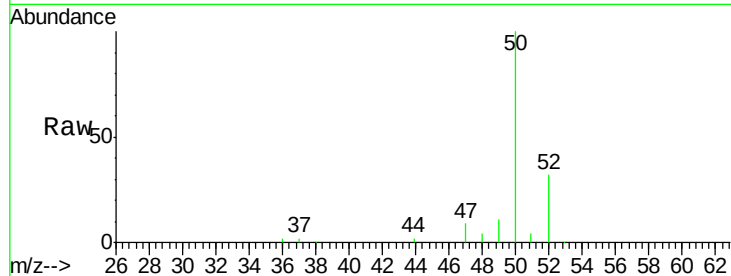
52 32.0 25.6 38.4

Manual Integrations

APPROVED

MMDadoda

8/6/2020 1:51:46 PM



#4

Vinyl Chloride

Concen: 46.568 ug/l

RT: 2.15 min Scan# 118

Delta R.T. 0.00 min

Lab File: VN062756.D

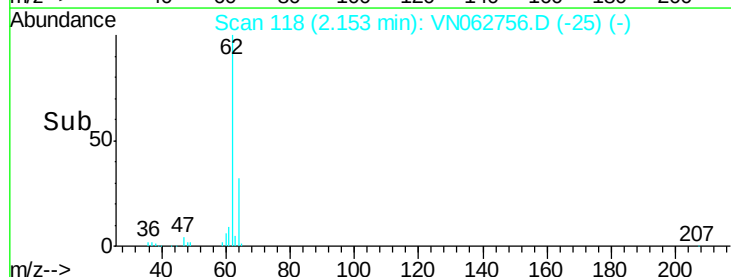
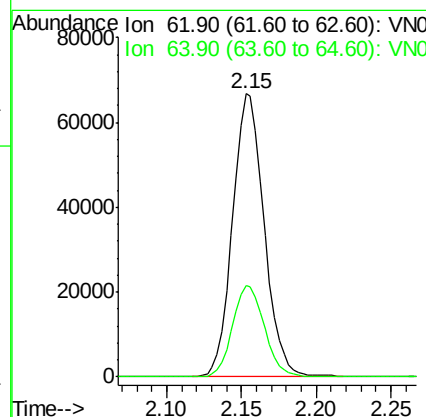
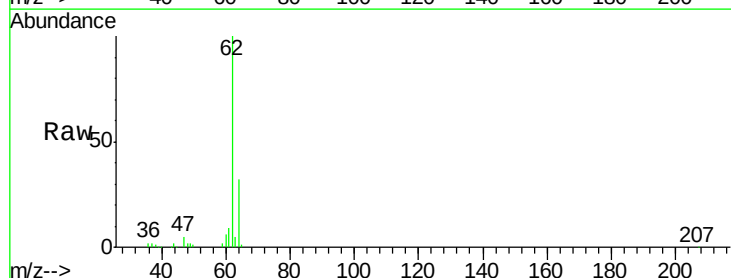
Acq: 5 Aug 2020 12:15

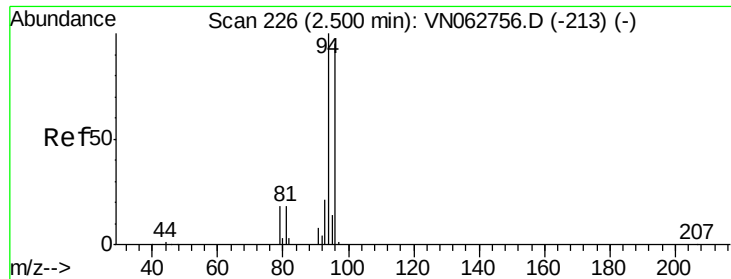
Tgt Ion: 62 Resp: 98242

Ion Ratio Lower Upper

62 100

64 32.3 25.8 38.8





#5

Bromomethane

Concen: 59.316 ug/l

RT: 2.50 min Scan# 226

Delta R.T. 0.00 min

Lab File: VN062756.D

Acq: 5 Aug 2020 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 59439

Ion Ratio Lower Upper

94 100

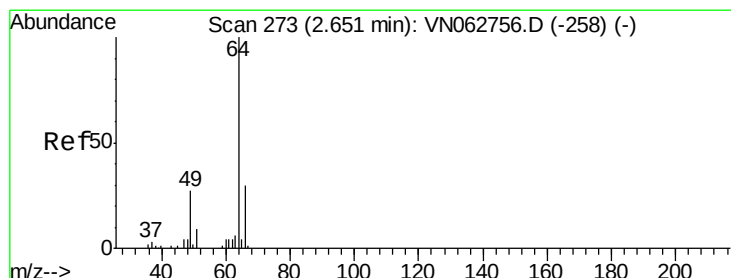
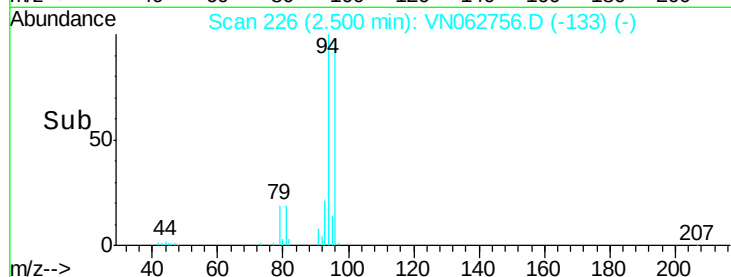
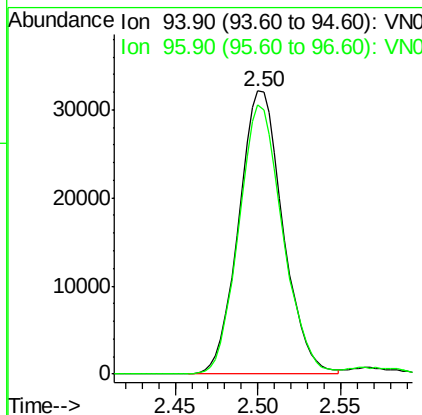
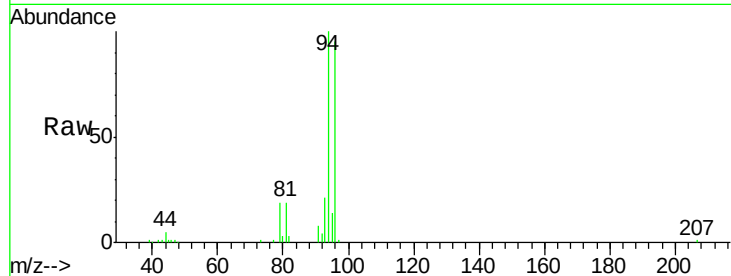
96 95.3 76.2 114.4

Manual Integrations

APPROVED

MMDadoda

8/6/2020 1:51:46 PM



#6

Chloroethane

Concen: 62.184 ug/l

RT: 2.65 min Scan# 273

Delta R.T. 0.00 min

Lab File: VN062756.D

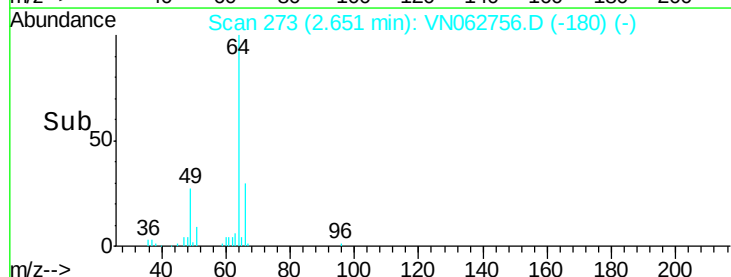
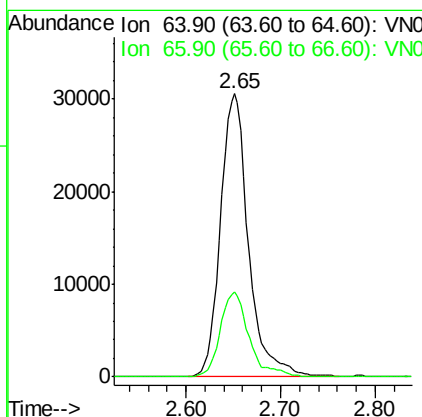
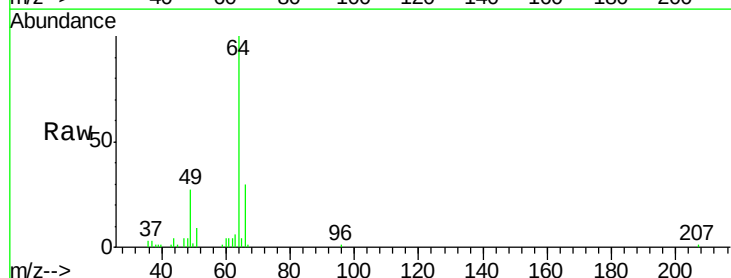
Acq: 5 Aug 2020 12:15

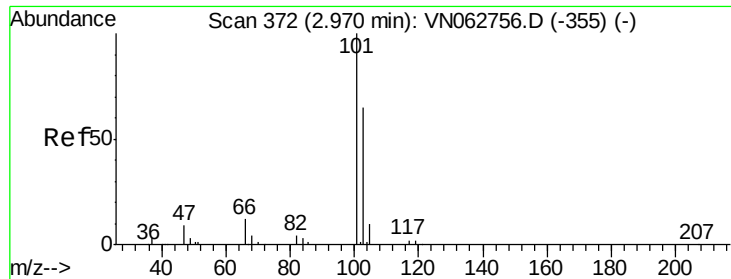
Tgt Ion: 64 Resp: 62920

Ion Ratio Lower Upper

64 100

66 30.0 24.0 36.0





#7

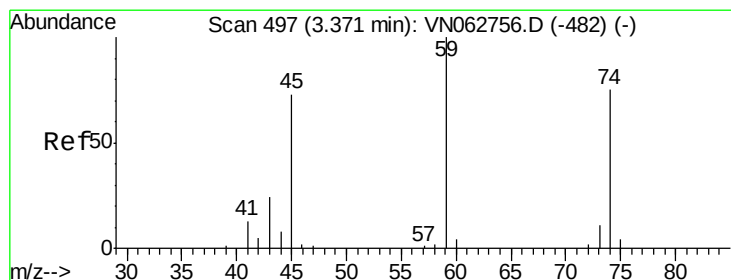
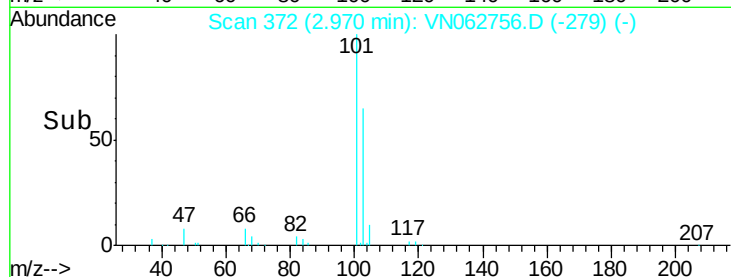
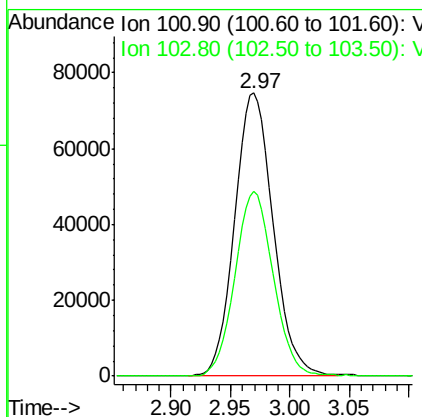
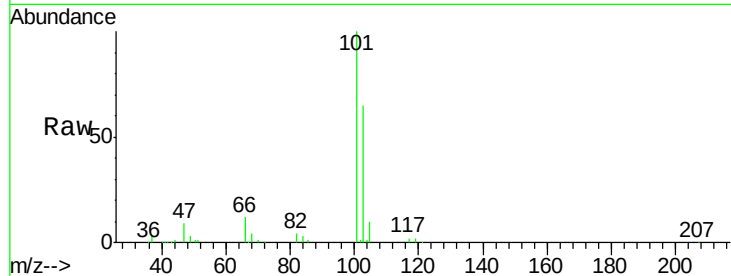
Trichlorofluoromethane
 Concen: 63.501 ug/l
 RT: 2.97 min Scan# 372
 Delta R.T. 0.00 min
 Lab File: VN062756.D
 Acq: 5 Aug 2020 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	52.3	78.5

Manual Integrations
 APPROVED

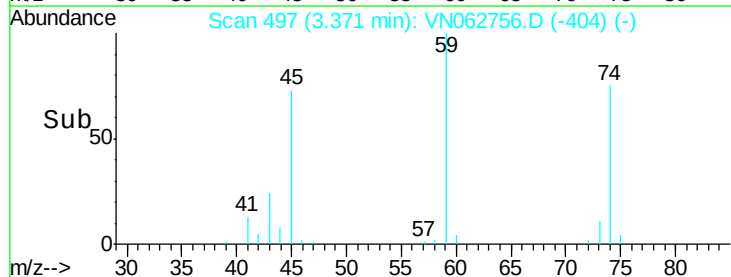
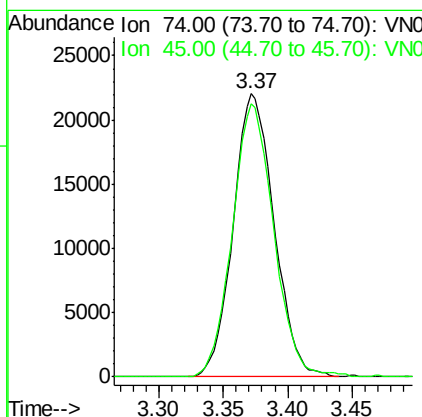
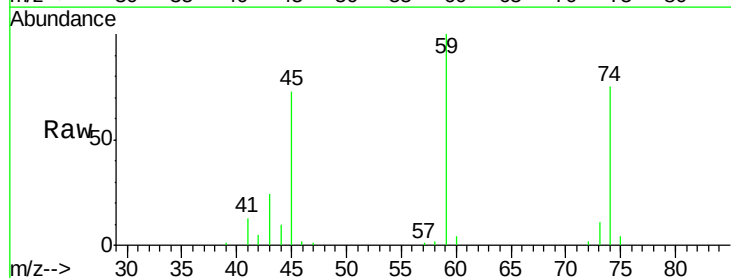
MMDadoda
 8/6/2020 1:51:46 PM

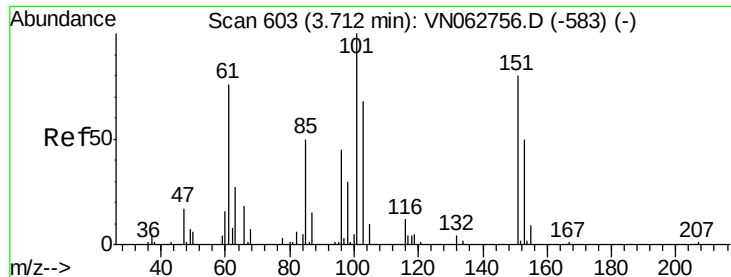


#8

Diethyl Ether
 Concen: 42.898 ug/l
 RT: 3.37 min Scan# 497
 Delta R.T. 0.00 min
 Lab File: VN062756.D
 Acq: 5 Aug 2020 12:15

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.4	48.7	146.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.359 ug/l

RT: 3.71 min Scan# 603

Delta R.T. 0.00 min

Lab File: VN062756.D

Acq: 5 Aug 2020 12:15

Instrument :

MSVOA_N

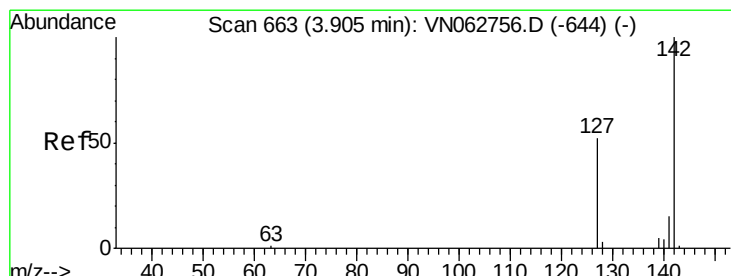
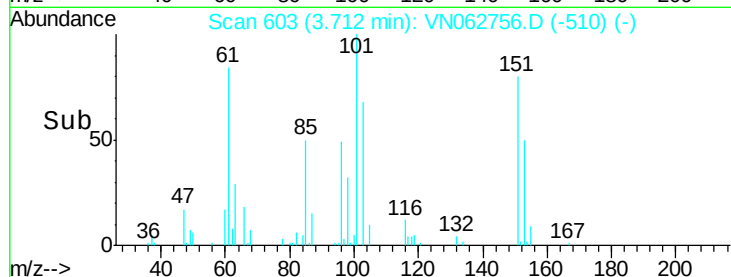
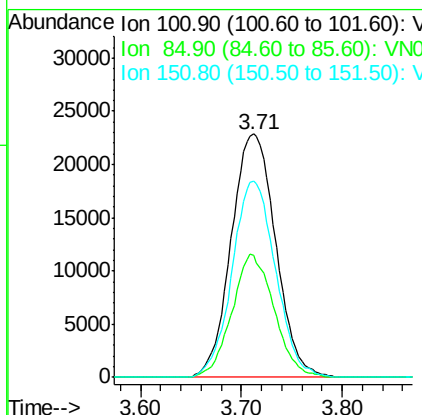
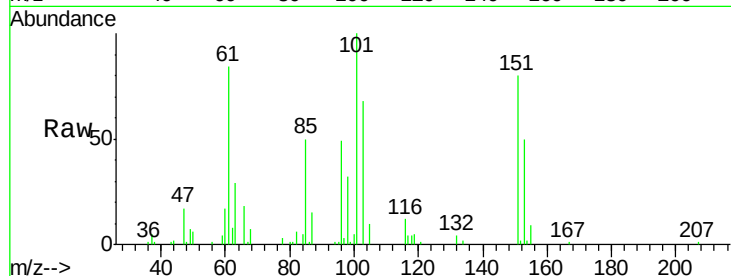
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	69937
Ion Ratio	Lower	Upper	
101	100		
85	48.1	38.5	57.7
151	78.8	63.0	94.6

Manual Integrations
APPROVED

MMDadoda
8/6/2020 1:51:46 PM



#10

Methyl Iodide

Concen: 44.093 ug/l

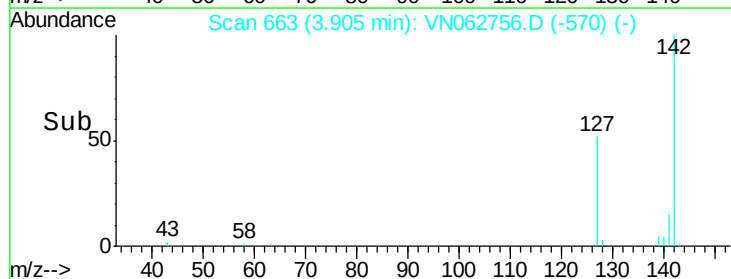
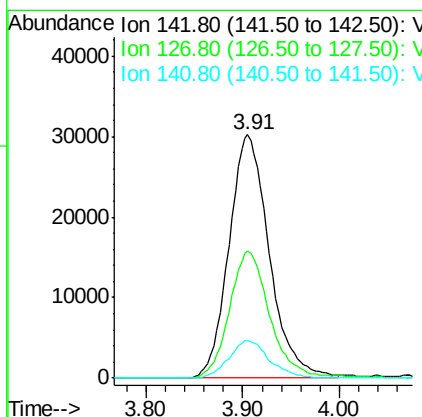
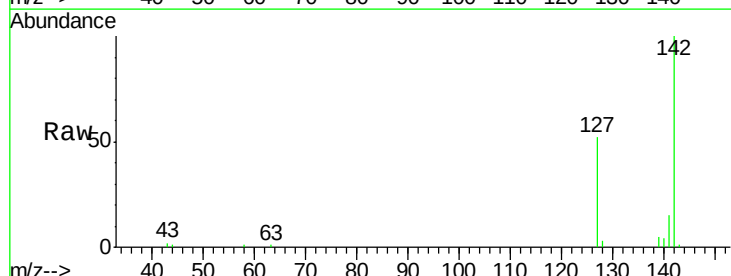
RT: 3.91 min Scan# 663

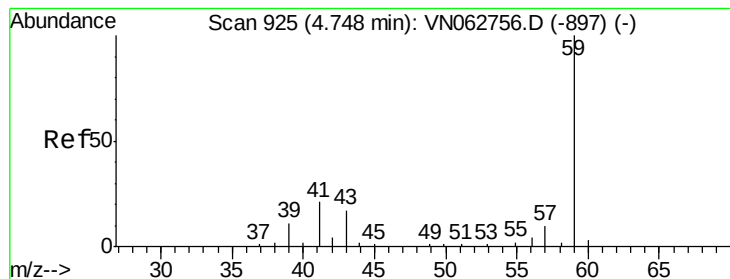
Delta R.T. 0.00 min

Lab File: VN062756.D

Acq: 5 Aug 2020 12:15

Tgt Ion:	142	Resp:	87512
Ion Ratio	Lower	Upper	
142	100		
127	51.7	41.4	62.0
141	15.3	12.2	18.4





#11

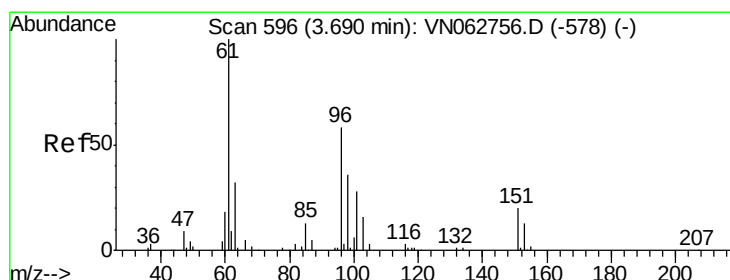
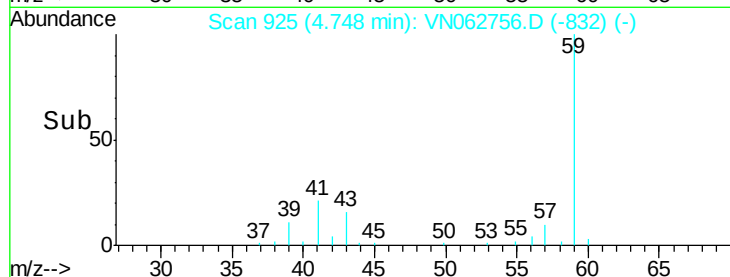
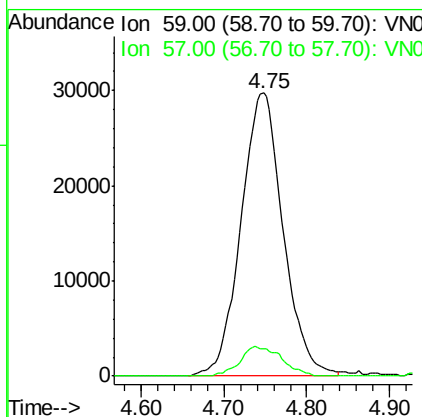
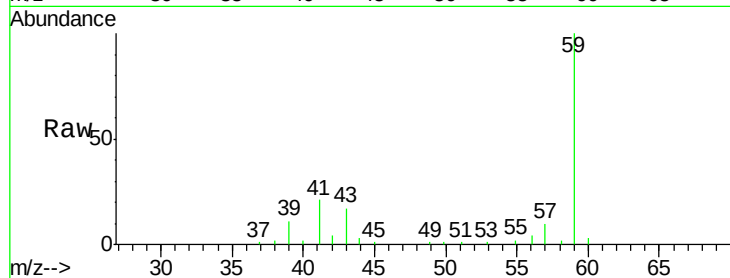
Tert butyl alcohol
Concen: 271.890 ug/l
RT: 4.75 min Scan# 925
Delta R.T. 0.00 min
Lab File: VN062756.D
Acq: 5 Aug 2020 12:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	104956		
57	10.4		8.3	12.5

Manual Integrations
APPROVED

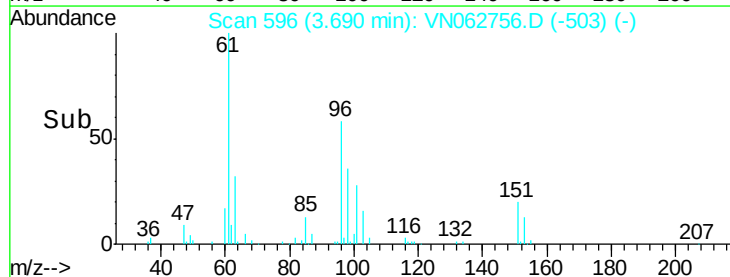
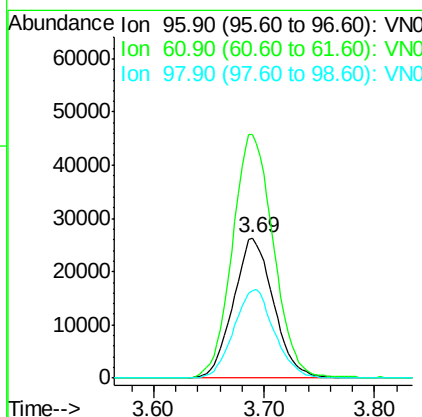
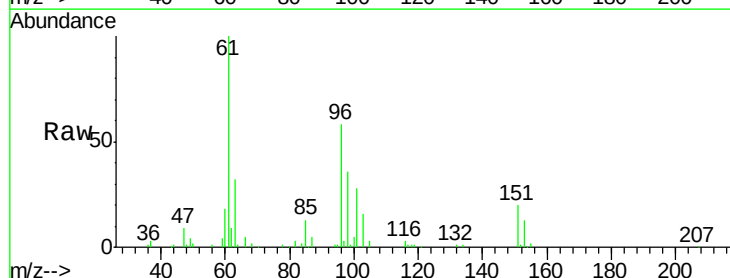
MMDadoda
8/6/2020 1:51:46 PM

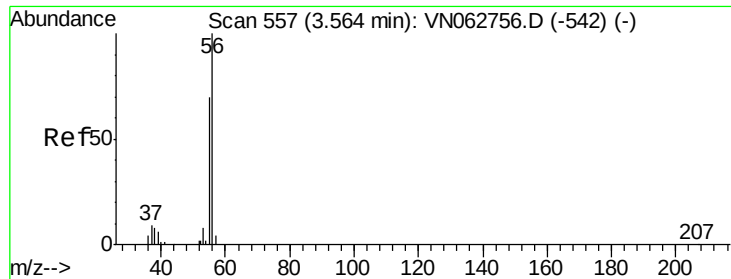


#12

1,1-Dichloroethene
Concen: 41.982 ug/l
RT: 3.69 min Scan# 596
Delta R.T. 0.00 min
Lab File: VN062756.D
Acq: 5 Aug 2020 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	66332		
61	173.8		139.0	208.6
98	62.8		50.2	75.4





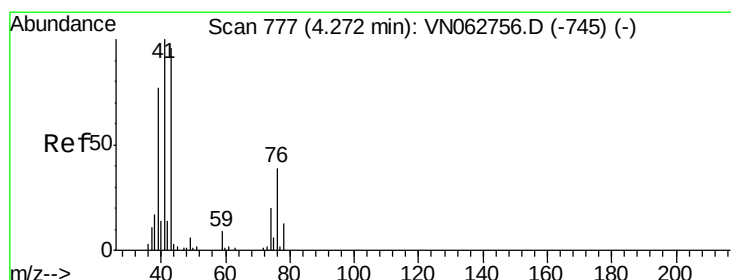
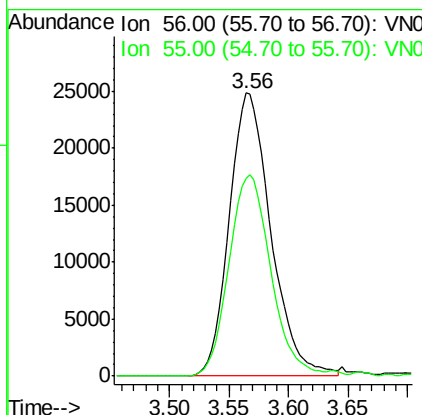
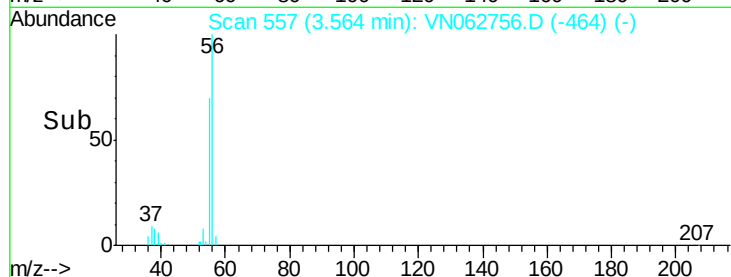
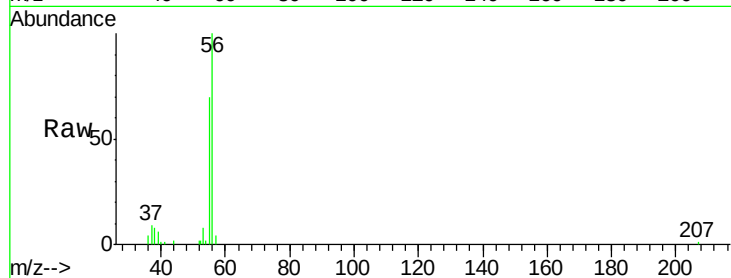
#13
Acrolein
Concen: 180.676 ug/l
RT: 3.56 min Scan# 557
Delta R.T. 0.00 min
Lab File: VN062756.D
Acq: 5 Aug 2020 12:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	56	Resp	60386
Ion Ratio	100	Lower	Upper
56	100		
55	71.3	57.0	85.6

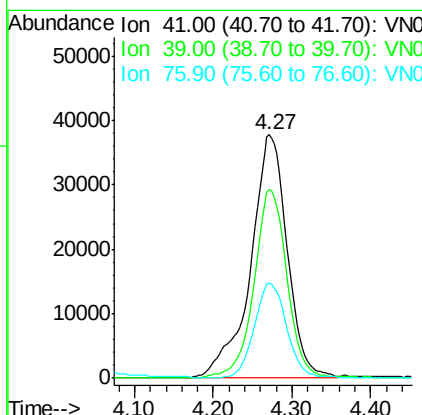
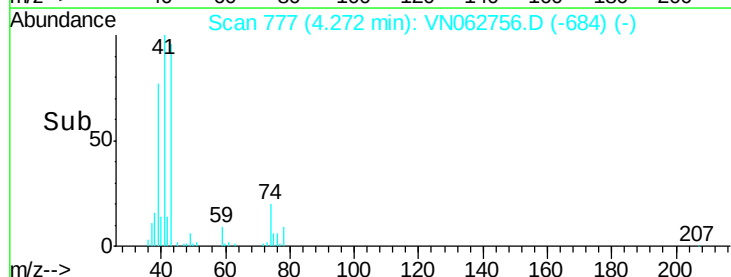
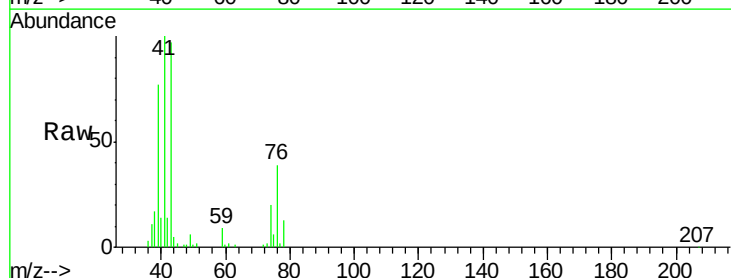
Manual Integrations
APPROVED

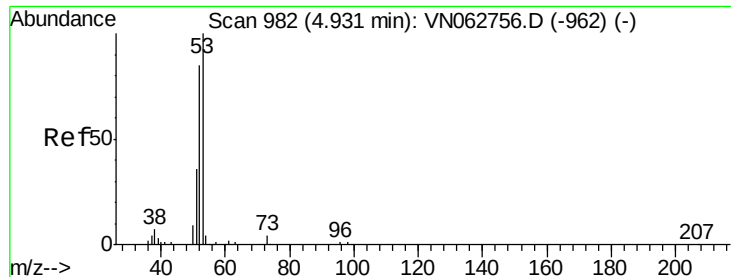
MMDadoda
8/6/2020 1:51:46 PM



#14
Allyl chloride
Concen: 37.264 ug/l
RT: 4.27 min Scan# 777
Delta R.T. 0.00 min
Lab File: VN062756.D
Acq: 5 Aug 2020 12:15

Tgt Ion	41	Resp	124583
Ion Ratio	100	Lower	Upper
41	100		
39	69.6	55.7	83.5
76	34.4	27.5	41.3





#15

Acrylonitrile

Concen: 248.049 ug/l

RT: 4.93 min Scan# 982

Delta R.T. 0.00 min

Lab File: VN062756.D

Acq: 5 Aug 2020 12:15

Instrument :

MSVOA_N

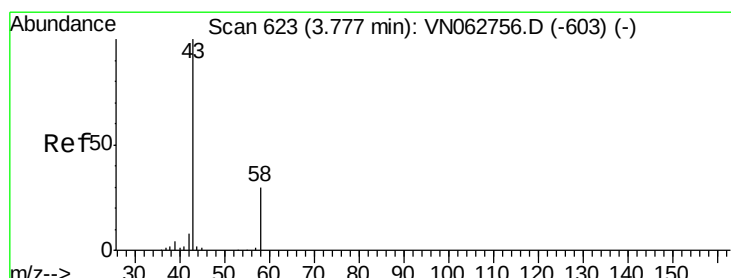
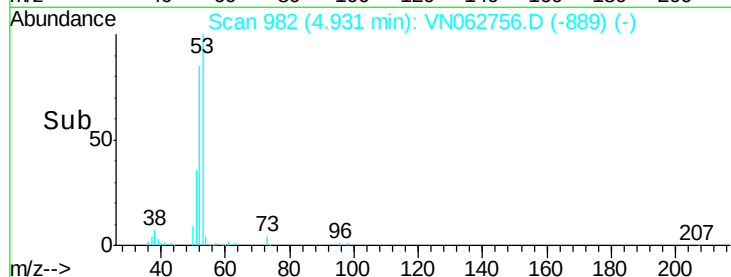
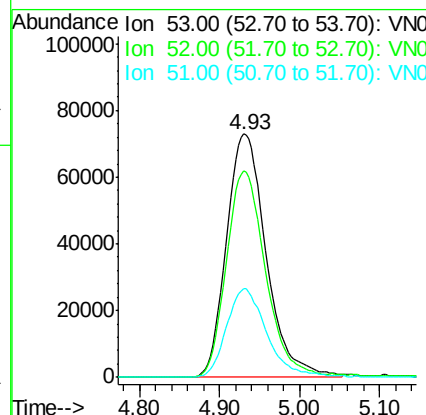
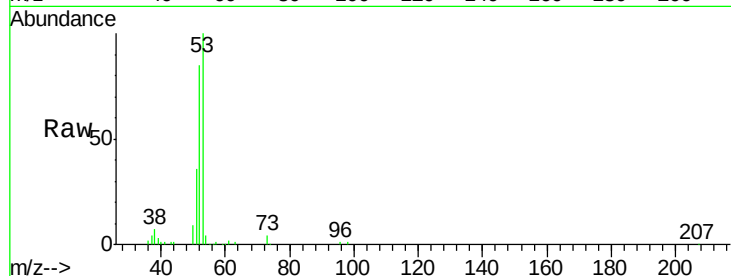
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	247161
Ion Ratio	Lower	Upper	
53	100		
52	83.5	66.8	100.2
51	36.9	29.5	44.3

Manual Integrations
APPROVED

MMDadoda
8/6/2020 1:51:46 PM



#16

Acetone

Concen: 244.951 ug/l

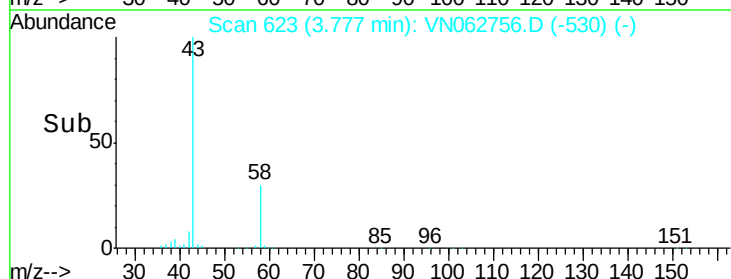
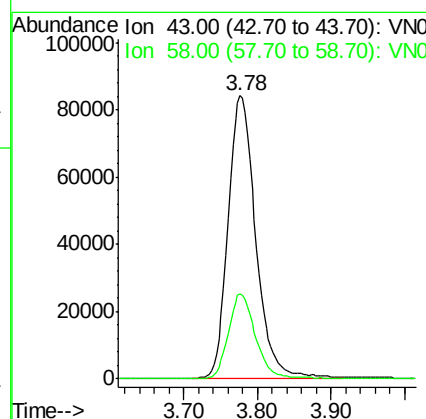
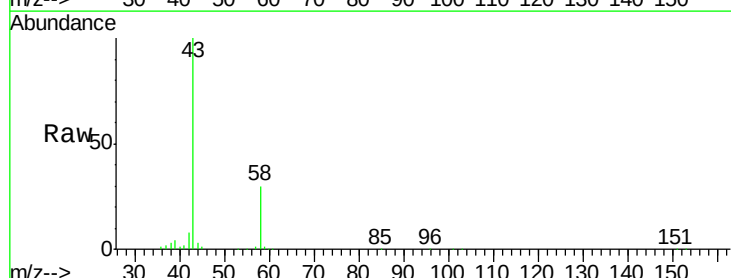
RT: 3.78 min Scan# 623

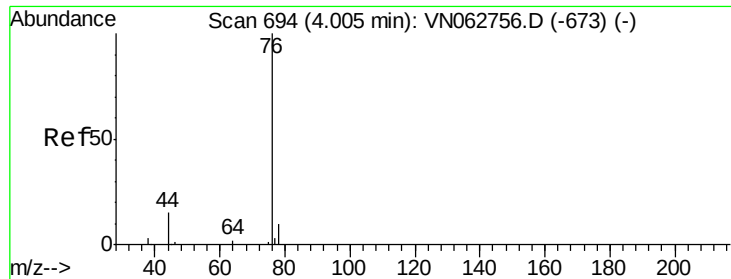
Delta R.T. 0.00 min

Lab File: VN062756.D

Acq: 5 Aug 2020 12:15

Tgt Ion:	43	Resp:	217544
Ion Ratio	Lower	Upper	
43	100		
58	30.1	24.1	36.1





#17

Carbon Disulfide

Concen: 36.081 ug/l

RT: 4.00 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN062756.D

Acq: 5 Aug 2020 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 184404

Ion Ratio Lower Upper

76 100

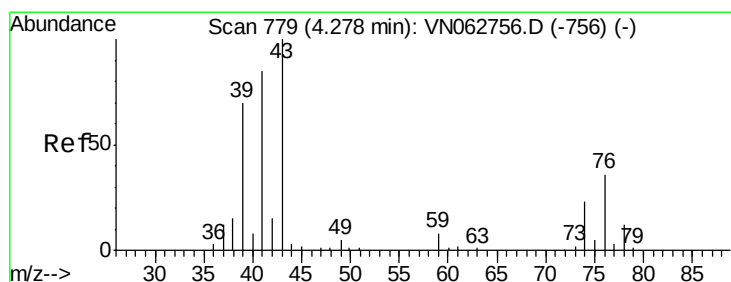
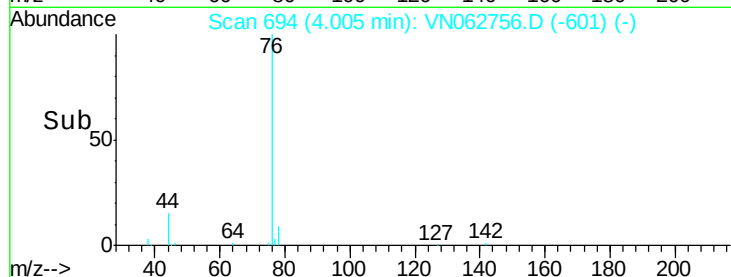
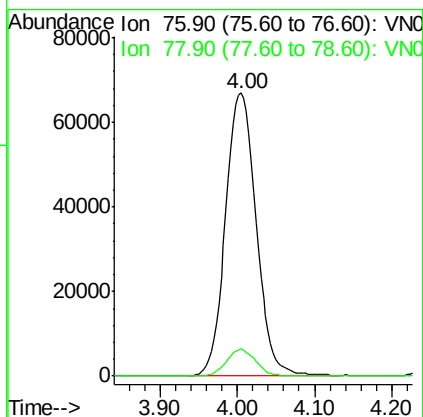
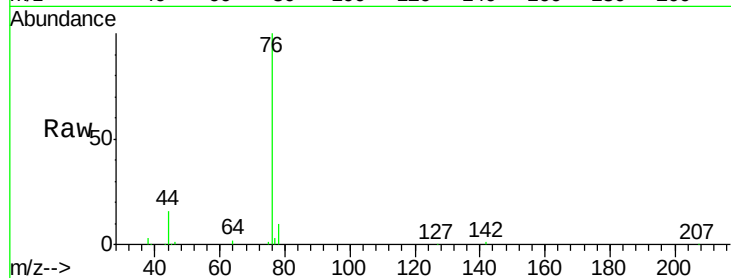
78 9.6 7.7 11.5

Manual Integrations

APPROVED

MMDadoda

8/6/2020 1:51:46 PM



#18

Methyl Acetate

Concen: 49.646 ug/l

RT: 4.28 min Scan# 779

Delta R.T. 0.00 min

Lab File: VN062756.D

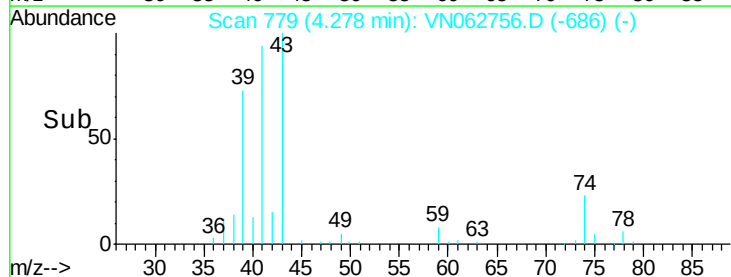
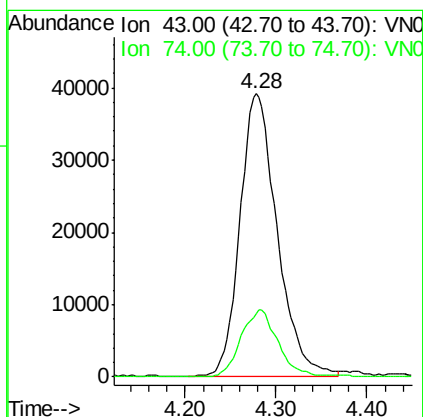
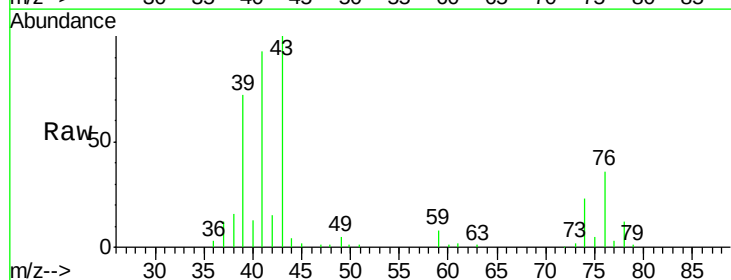
Acq: 5 Aug 2020 12:15

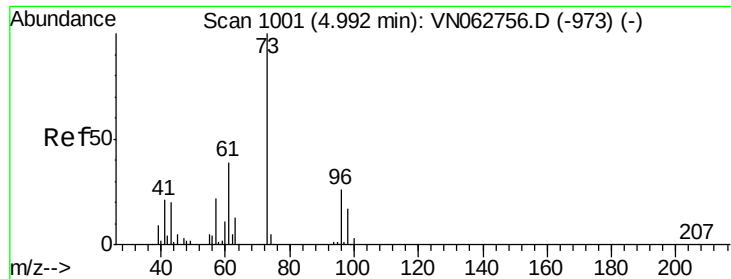
Tgt Ion: 43 Resp: 111713

Ion Ratio Lower Upper

43 100

74 23.3 18.6 28.0





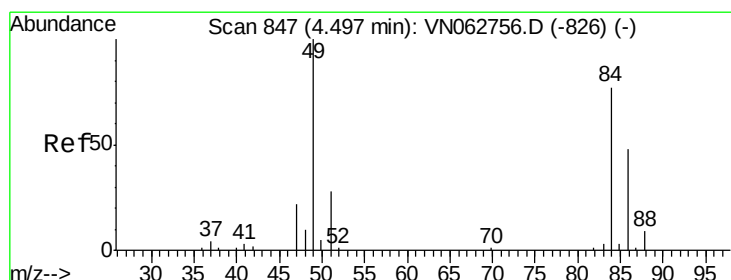
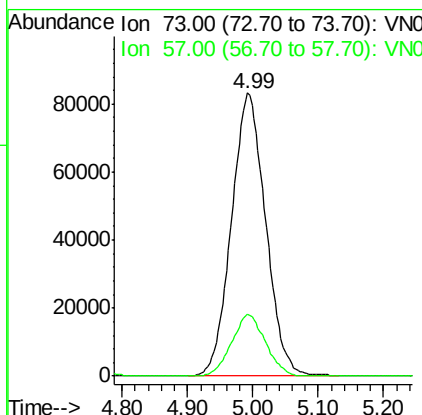
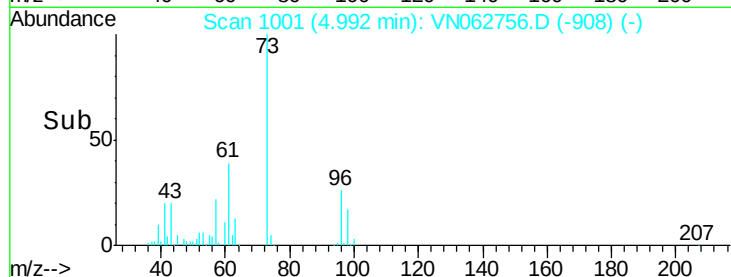
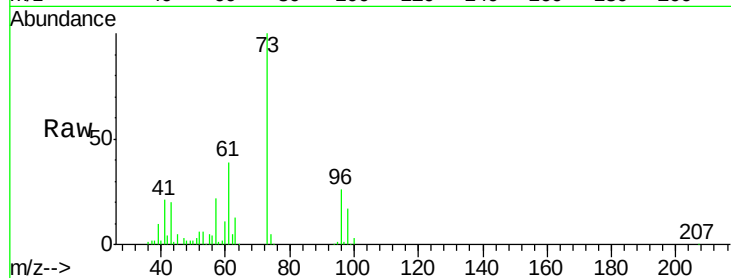
#19
Methyl tert-butyl Ether
Concen: 50.624 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. 0.00 min
Lab File: VN062756.D
Acq: 5 Aug 2020 12:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 302703
Ion Ratio Lower Upper
73 100
57 21.9 17.5 26.3

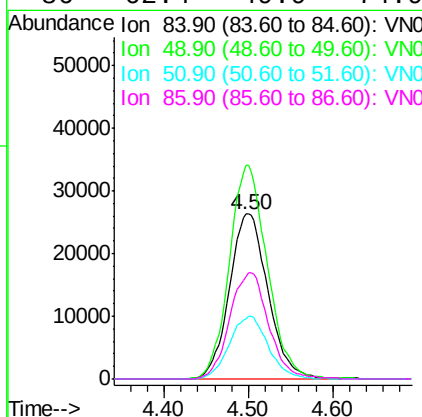
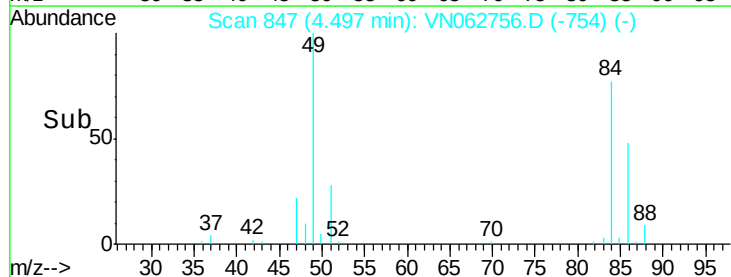
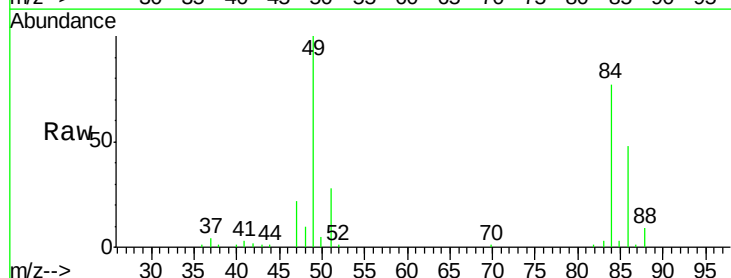
Manual Integrations
APPROVED

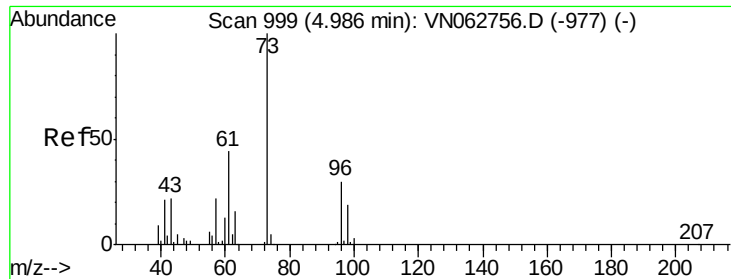
MMDadoda
8/6/2020 1:51:46 PM



#20
Methylene Chloride
Concen: 40.430 ug/l
RT: 4.50 min Scan# 847
Delta R.T. 0.00 min
Lab File: VN062756.D
Acq: 5 Aug 2020 12:15

Tgt Ion: 84 Resp: 83782
Ion Ratio Lower Upper
84 100
49 129.3 103.4 155.2
51 36.6 29.3 43.9
86 62.4 49.9 74.9





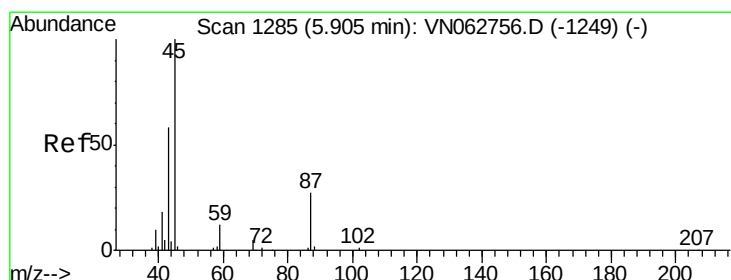
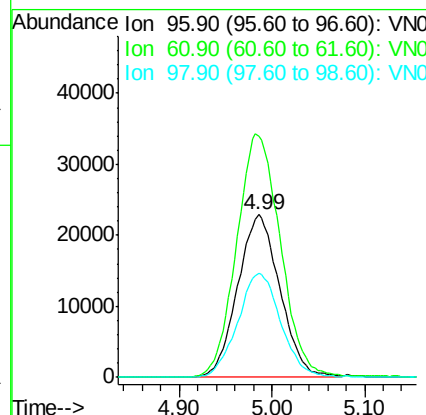
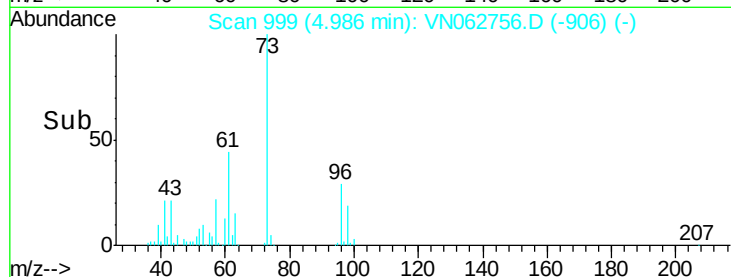
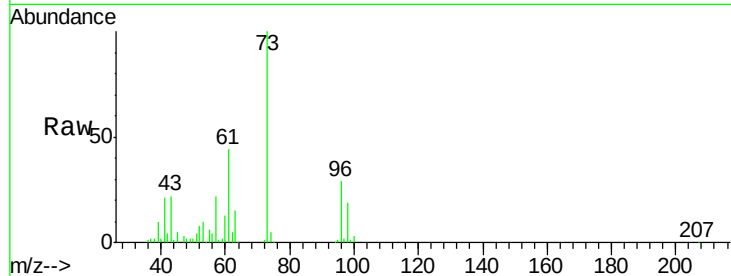
#21
trans-1,2-Dichloroethene
Concen: 41.438 ug/l
RT: 4.99 min Scan# 999
Delta R.T. 0.00 min
Lab File: VN062756.D
Acq: 5 Aug 2020 12:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.5	118.8	178.2
98	63.7	51.0	76.4

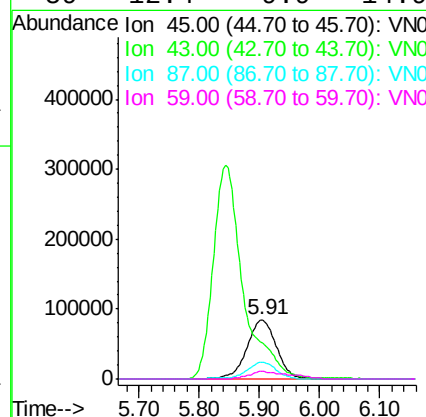
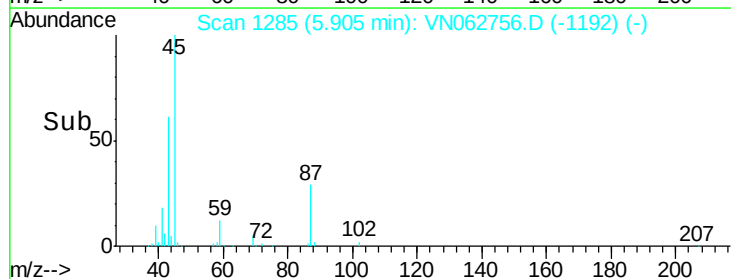
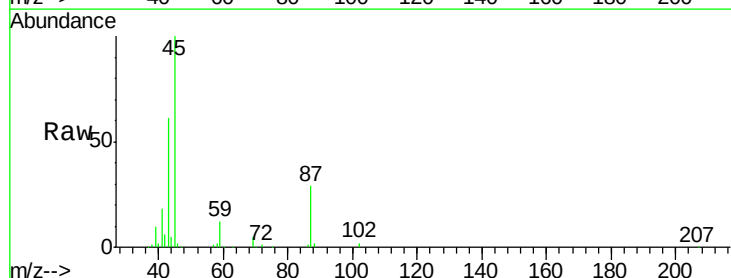
Manual Integrations
APPROVED

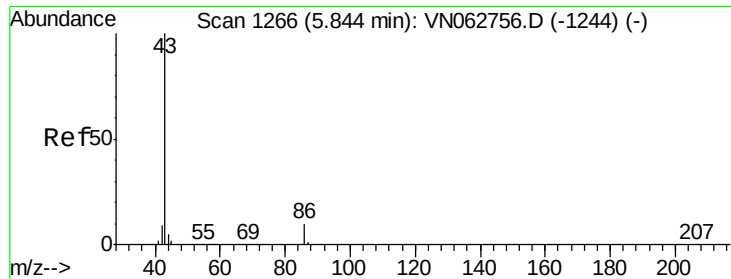
MMDadoda
8/6/2020 1:51:46 PM



#22
Diisopropyl ether
Concen: 42.877 ug/l
RT: 5.91 min Scan# 1285
Delta R.T. 0.00 min
Lab File: VN062756.D
Acq: 5 Aug 2020 12:15

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.3	47.4	71.2
87	28.5	22.8	34.2
59	12.4	9.9	14.9





#23

Vinyl Acetate

Concen: 193.648 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN062756.D

Acq: 5 Aug 2020 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1050169

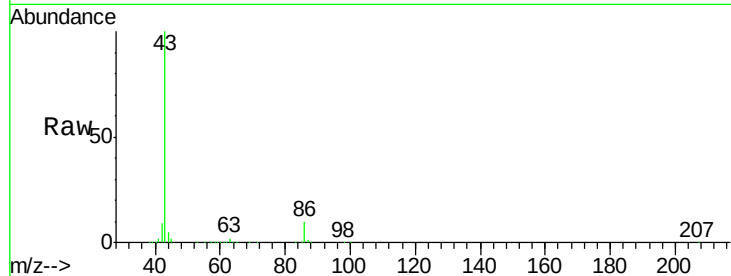
Ion Ratio Lower Upper

43 100

86 9.6 7.7 11.5

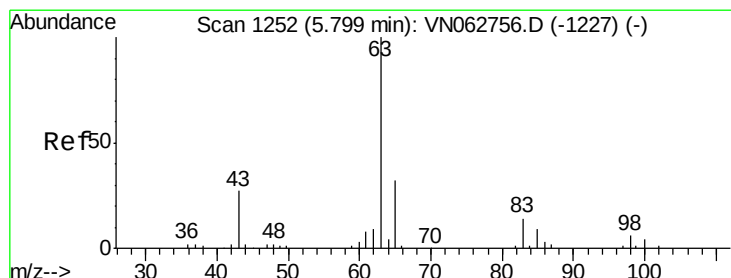
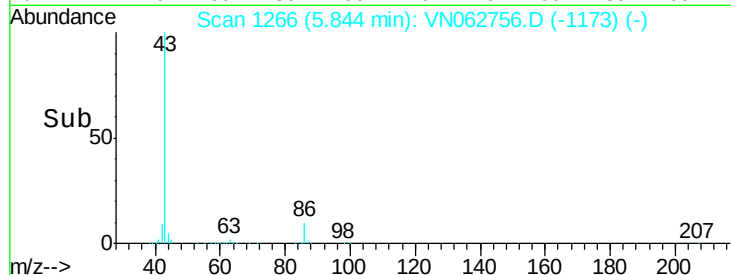
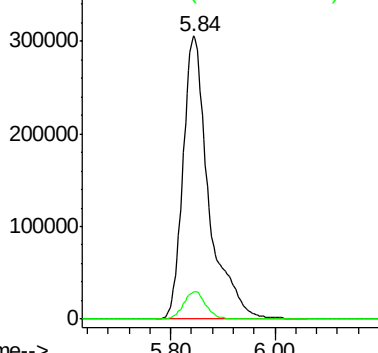
Manual Integrations
APPROVED

MMDadoda
8/6/2020 1:51:46 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 43.394 ug/l

RT: 5.80 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VN062756.D

Acq: 5 Aug 2020 12:15

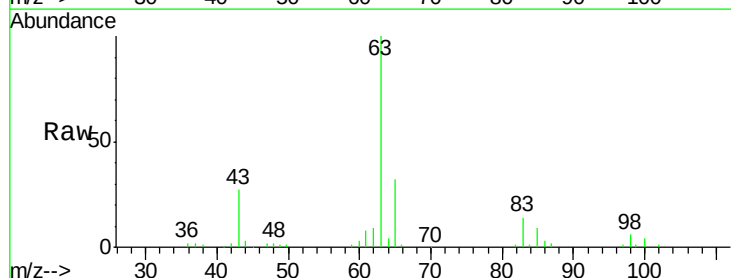
Tgt Ion: 63 Resp: 159373

Ion Ratio Lower Upper

63 100

98 6.1 3.0 9.2

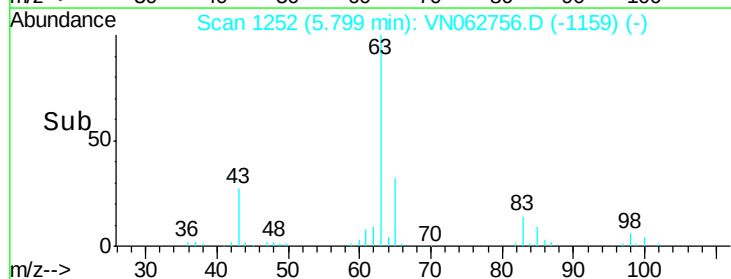
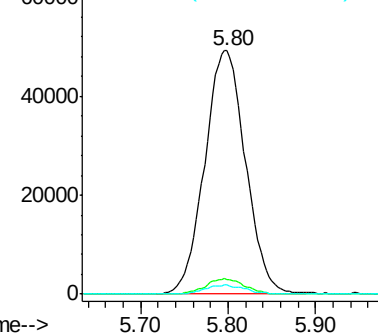
100 3.8 1.9 5.7

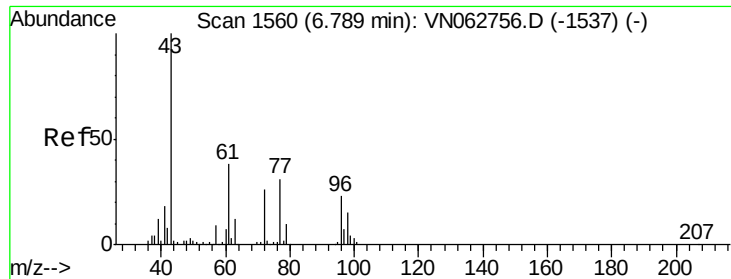


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 247.018 ug/l

RT: 6.79 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VN062756.D

Acq: 5 Aug 2020 12:15

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 43 Resp: 331253

Ion Ratio Lower Upper

43 100

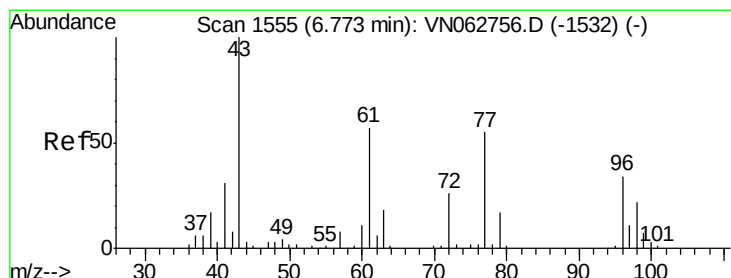
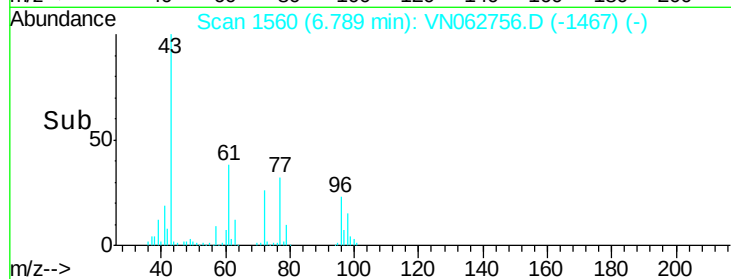
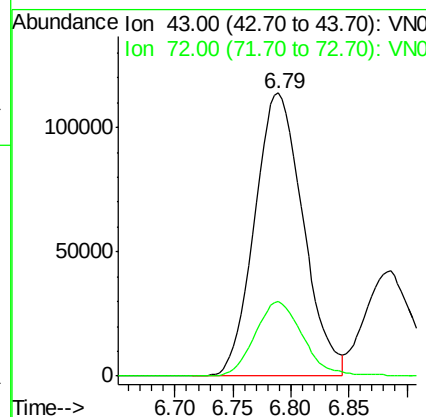
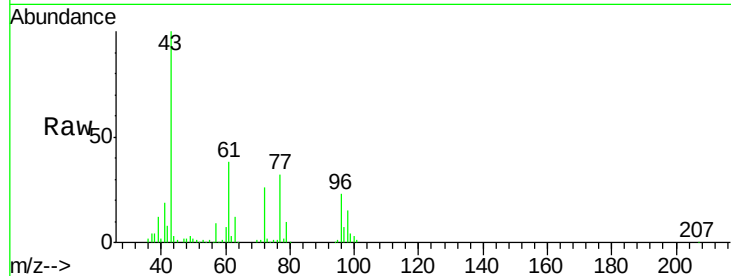
72 26.4 21.1 31.7

Manual Integrations

APPROVED

MMDadoda

8/6/2020 1:51:46 PM



#26

2,2-Dichloropropane

Concen: 47.009 ug/l

RT: 6.77 min Scan# 1555

Delta R.T. 0.00 min

Lab File: VN062756.D

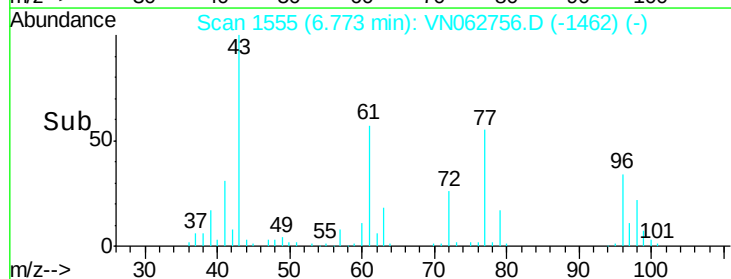
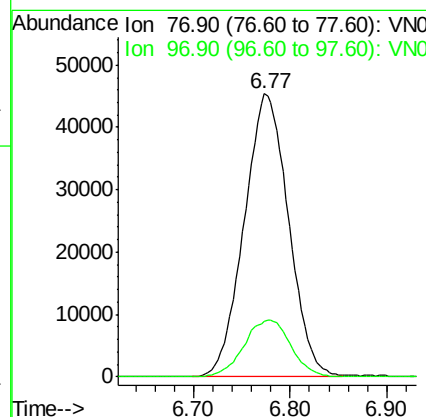
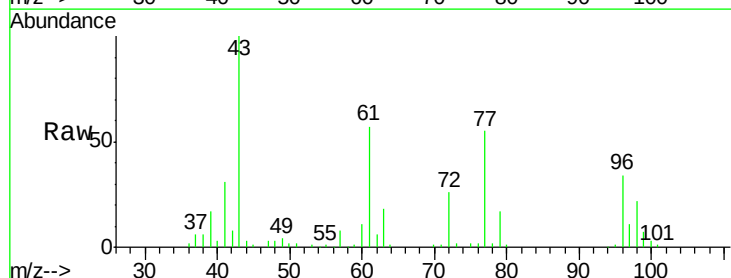
Acq: 5 Aug 2020 12:15

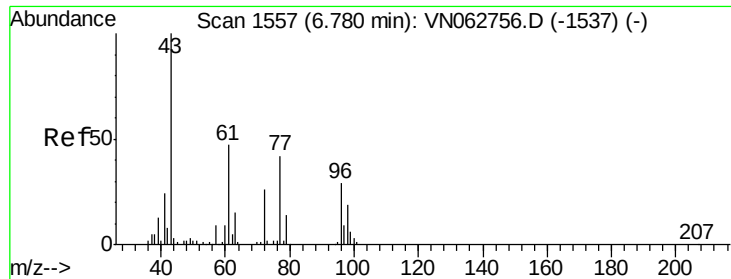
Tgt Ion: 77 Resp: 144512

Ion Ratio Lower Upper

77 100

97 21.1 10.5 31.6





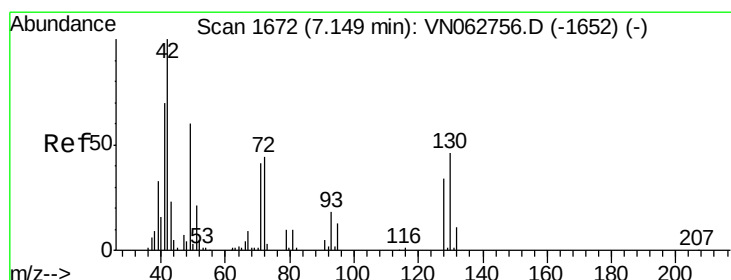
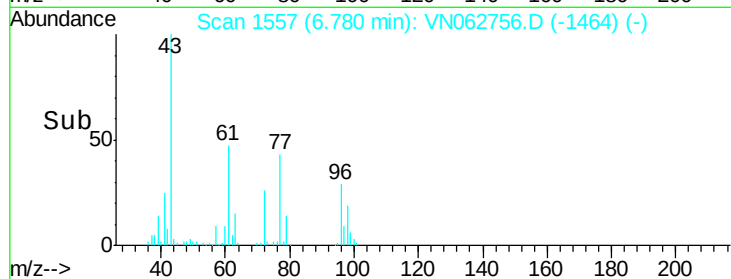
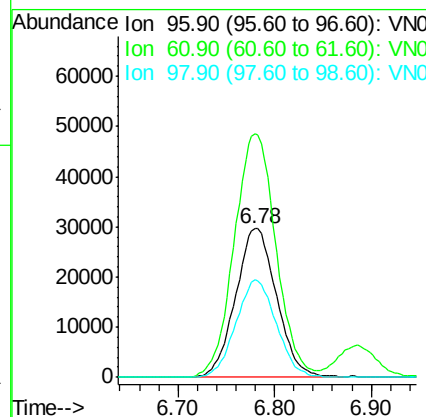
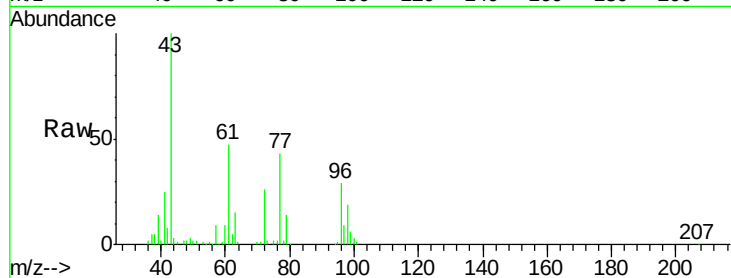
#27
 cis-1,2-Dichloroethene
 Concen: 43.477 ug/l
 RT: 6.78 min Scan# 1557
 Delta R.T. 0.00 min
 Lab File: VN062756.D
 Acq: 5 Aug 2020 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	166.1	0.0	332.2
98	64.7	0.0	129.4

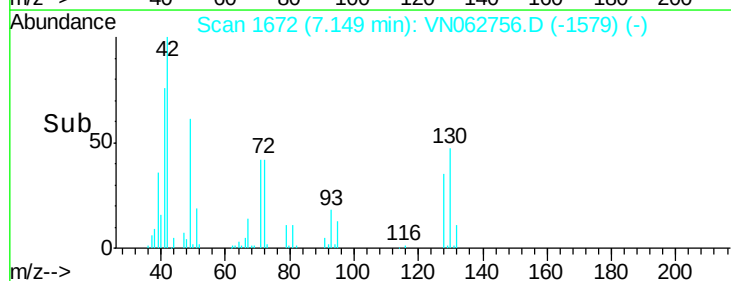
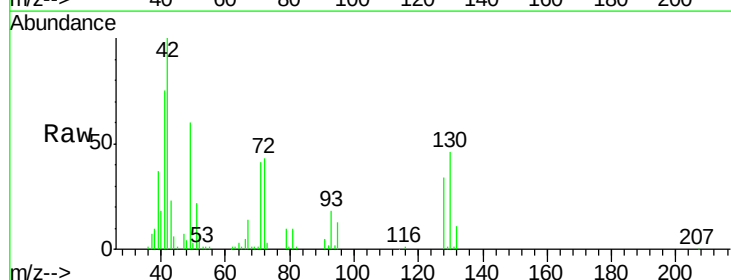
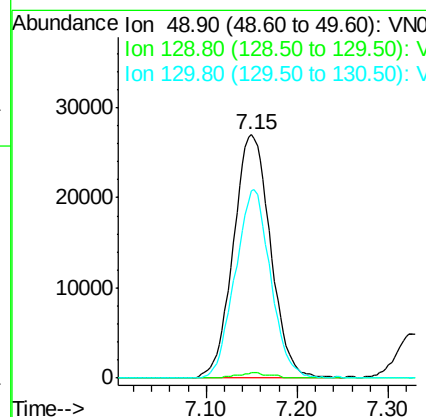
Manual Integrations
 APPROVED

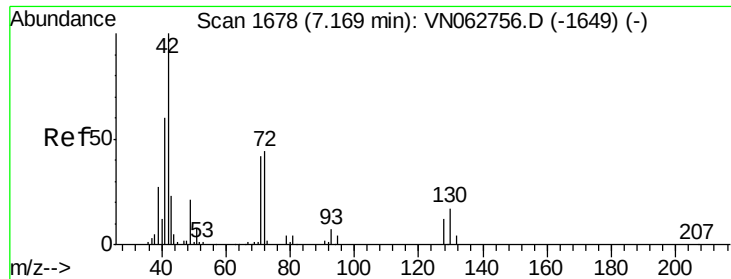
MMDadoda
 8/6/2020 1:51:46 PM



#28
 Bromochloromethane
 Concen: 42.693 ug/l
 RT: 7.15 min Scan# 1672
 Delta R.T. 0.00 min
 Lab File: VN062756.D
 Acq: 5 Aug 2020 12:15

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.2
130	73.8	59.0	88.6





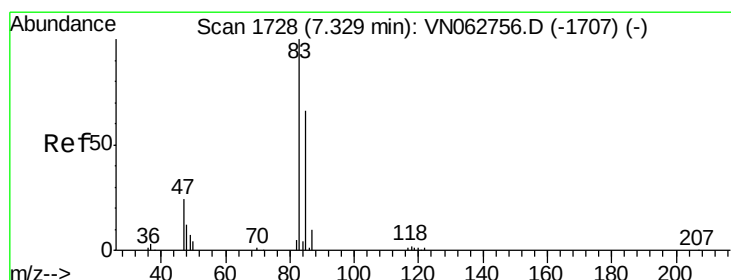
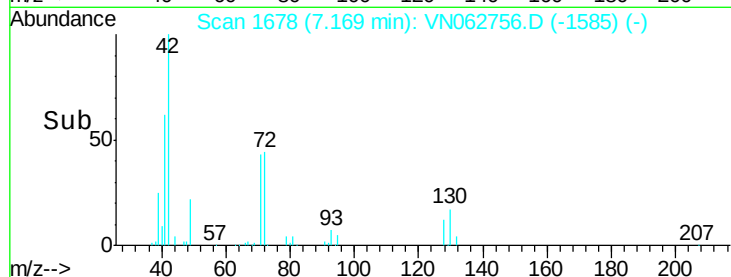
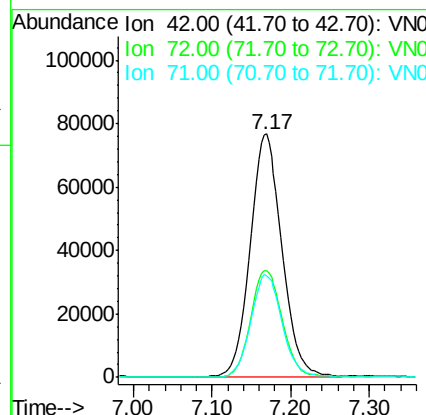
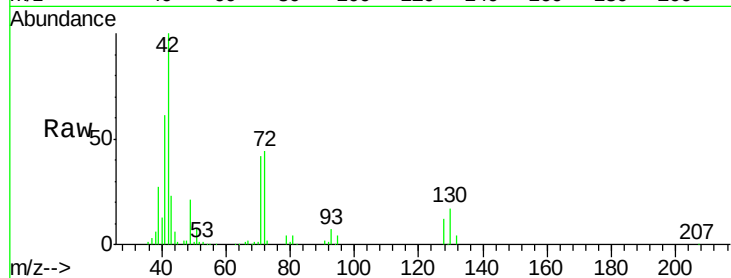
#29
Tetrahydrofuran
Concen: 243.108 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN062756.D
Acq: 5 Aug 2020 12:15

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.7	35.0	52.4
71	41.5	33.2	49.8

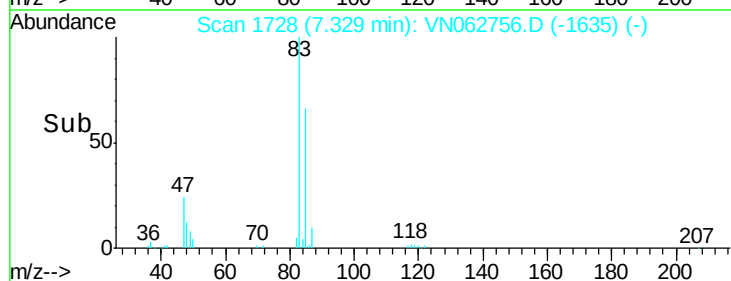
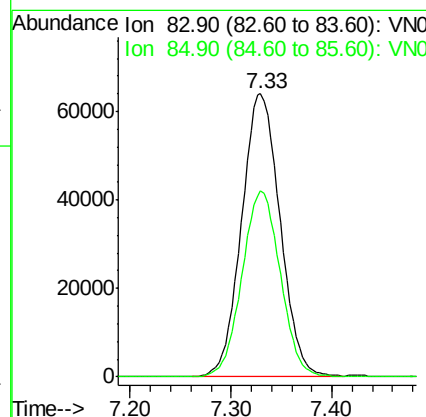
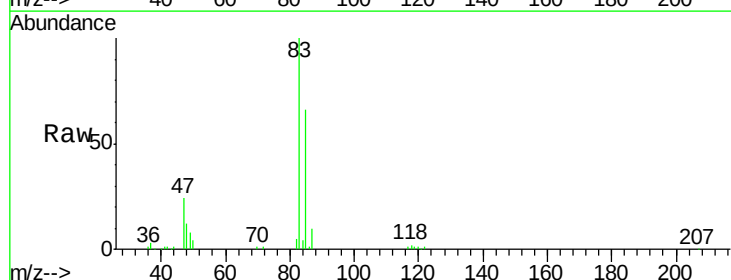
Manual Integrations
APPROVED

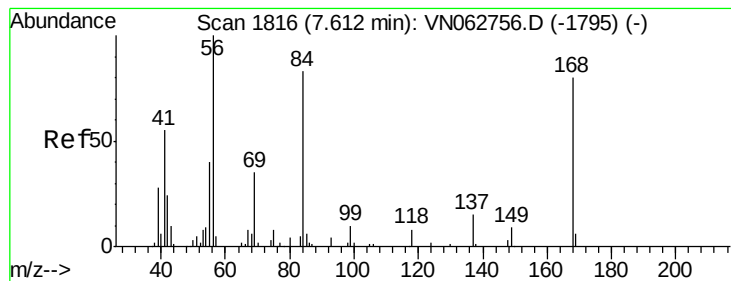
MMDadoda
8/6/2020 1:51:46 PM



#30
Chloroform
Concen: 47.658 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. 0.00 min
Lab File: VN062756.D
Acq: 5 Aug 2020 12:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	52.7	79.1





#31

Cyclohexane

Concen: 43.063 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VN062756.D

Acq: 5 Aug 2020 12:15

Instrument :

MSVOA_N

ClientSampled :

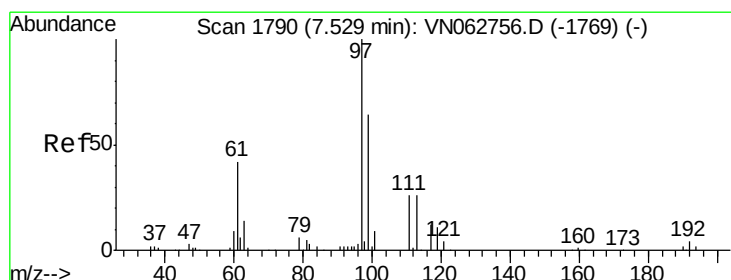
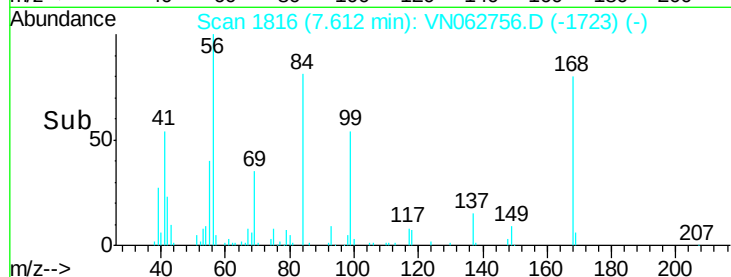
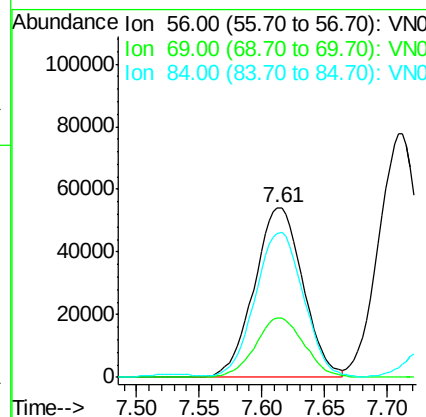
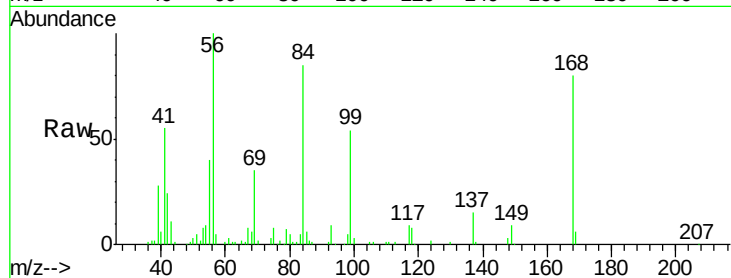
VSTDICCC050

Tot Ion: 56 Resp: 146438

Ion	Ratio	Lower	Upper
56	100		
69	35.1	28.1	42.1
84	83.5	66.8	100.2

Manual Integrations
APPROVED

MMDadoda
8/6/2020 1:51:46 PM



#32

1,1,1-Trichloroethane

Concen: 51.766 ug/l

RT: 7.53 min Scan# 1790

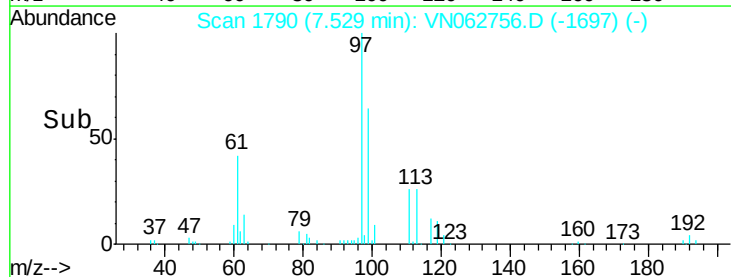
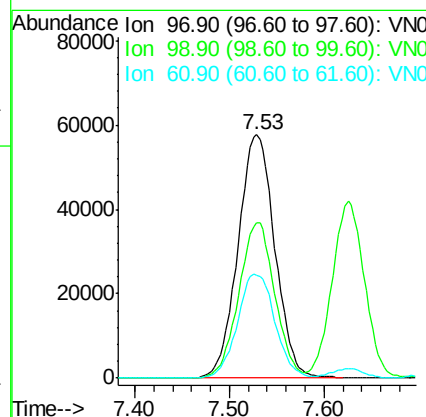
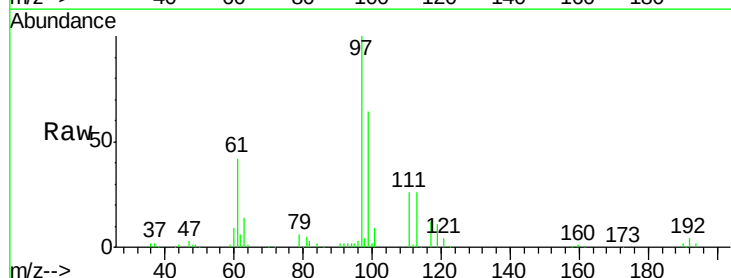
Delta R.T. 0.00 min

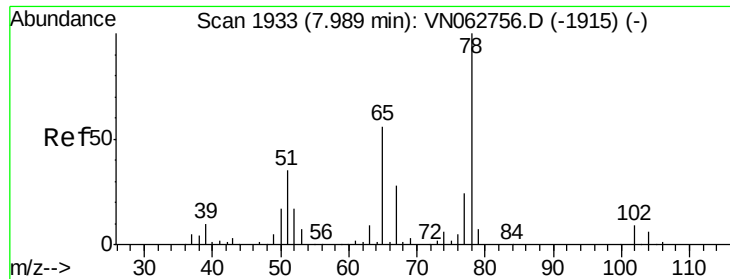
Lab File: VN062756.D

Acq: 5 Aug 2020 12:15

Tgt Ion: 97 Resp: 155994

Ion	Ratio	Lower	Upper
97	100		
99	62.5	50.0	75.0
61	43.5	34.8	52.2





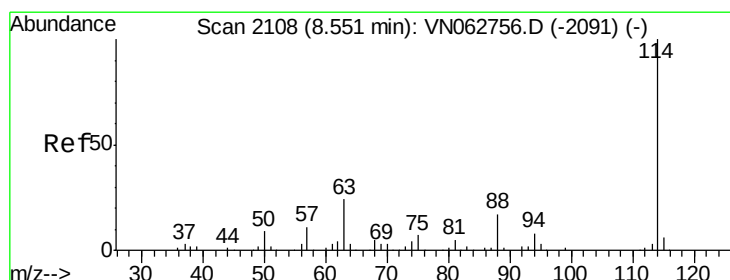
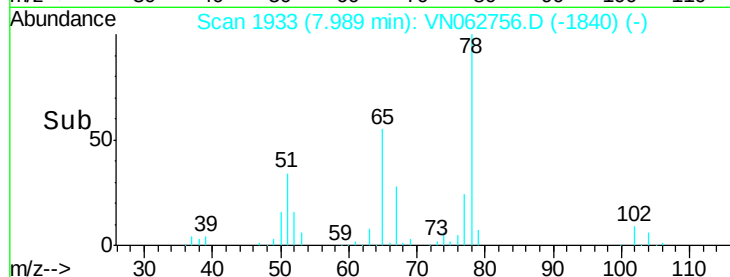
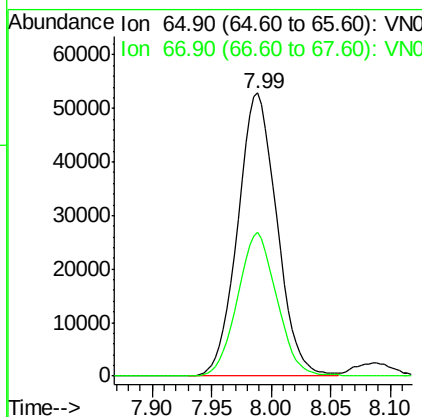
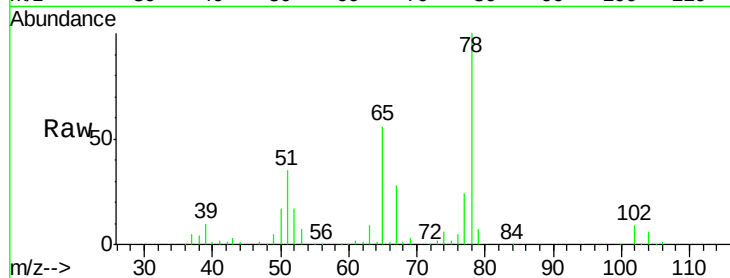
#33
 1,2-Dichloroethane-d4
 Concen: 50.748 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN062756.D
 Acq: 5 Aug 2020 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	50.7	0.0	101.4	

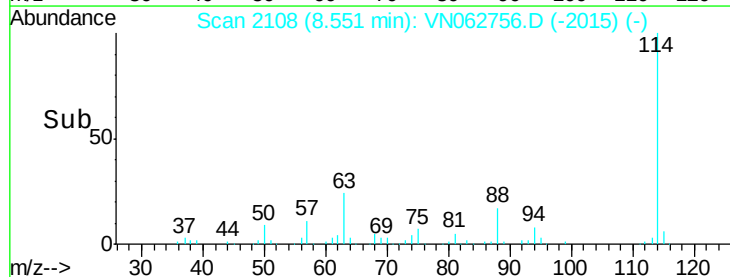
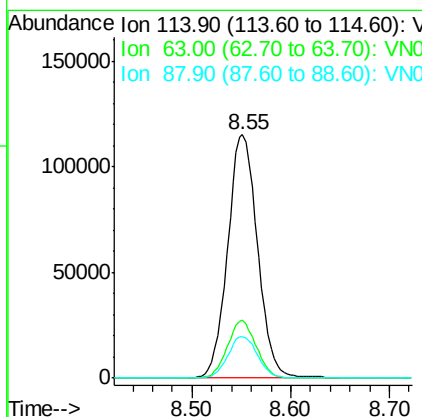
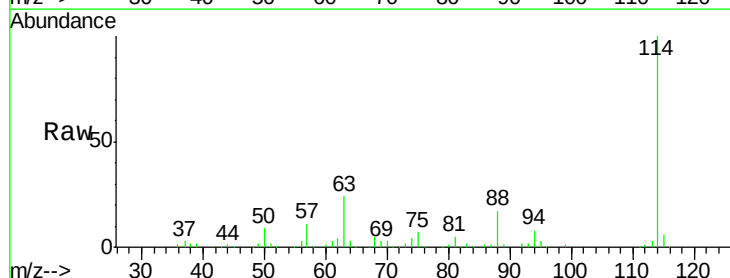
Manual Integrations
 APPROVED

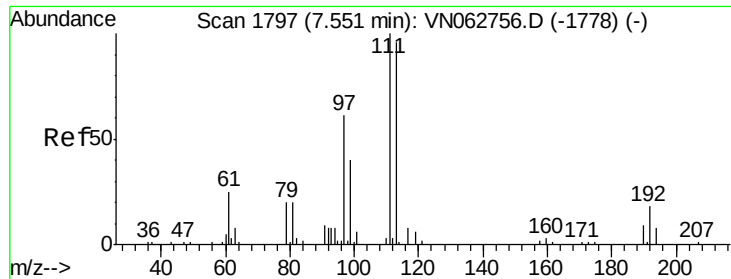
MMDadoda
 8/6/2020 1:51:46 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062756.D
 Acq: 5 Aug 2020 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	23.8	0.0	47.6	
88	17.2	0.0	34.4	





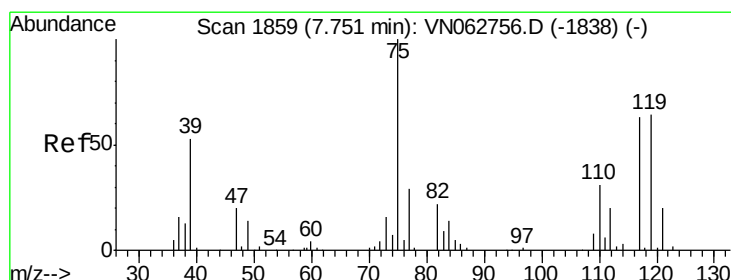
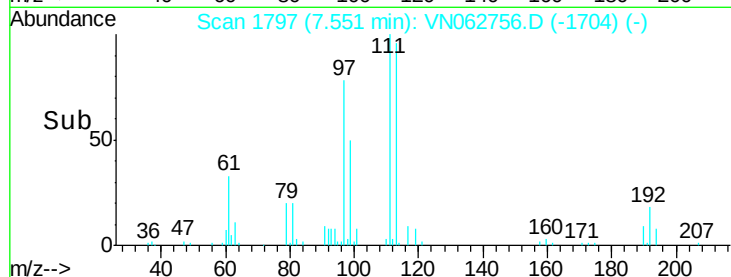
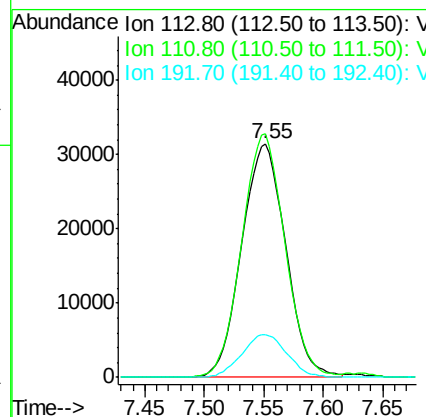
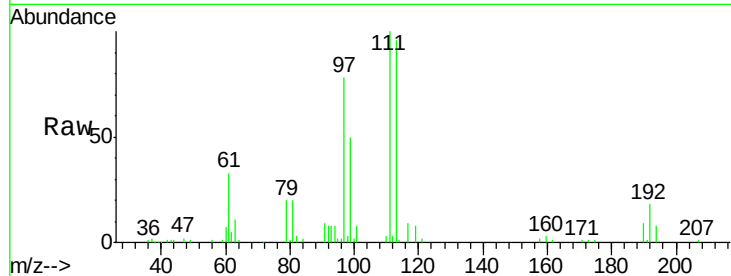
#35
 Dibromofluoromethane
 Concen: 50.436 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN062756.D
 Acq: 5 Aug 2020 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	80765		
111	102.2		81.8	122.6
192	18.7		15.0	22.4

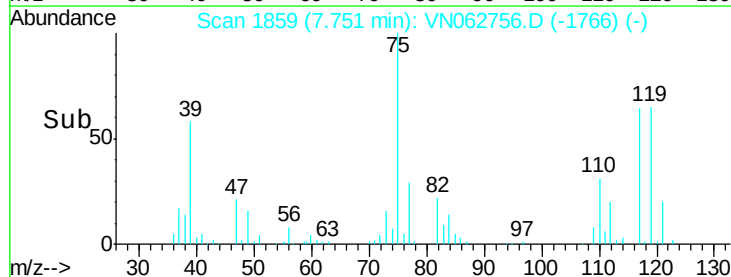
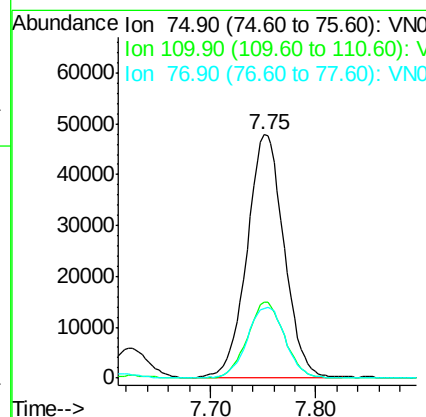
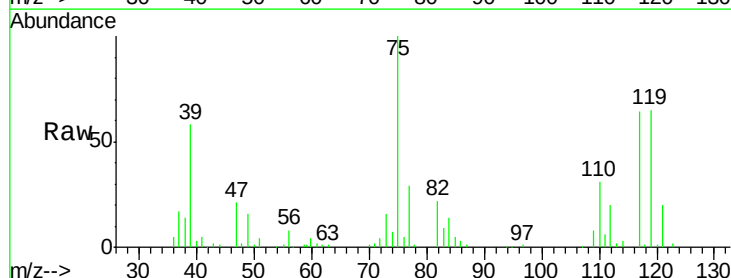
Manual Integrations
 APPROVED

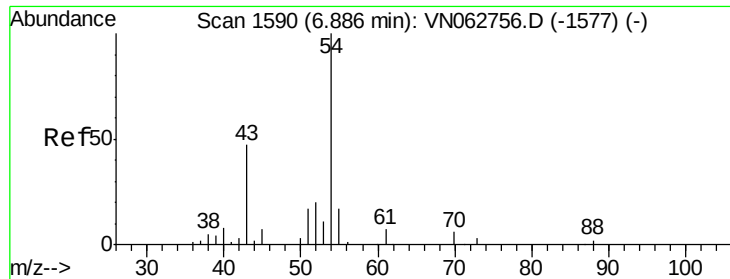
MMDadoda
 8/6/2020 1:51:46 PM



#36
 1,1-Dichloropropene
 Concen: 45.888 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VN062756.D
 Acq: 5 Aug 2020 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	117130		
110	31.1		15.6	46.7
77	30.1		24.1	36.1





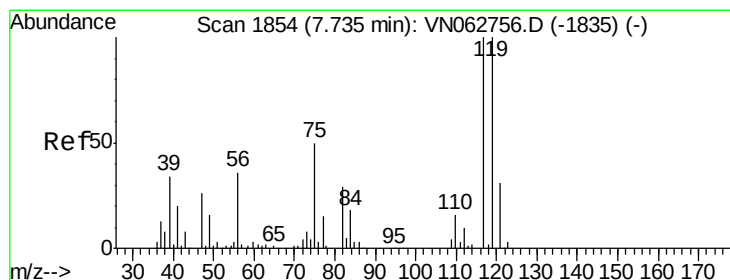
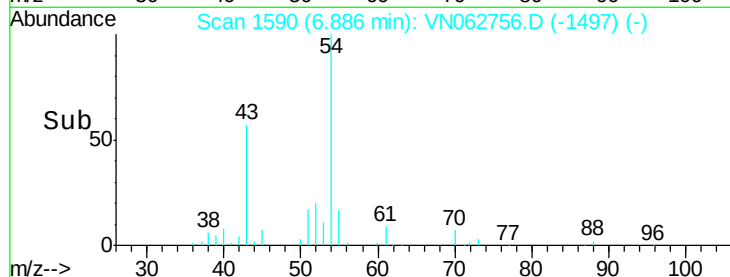
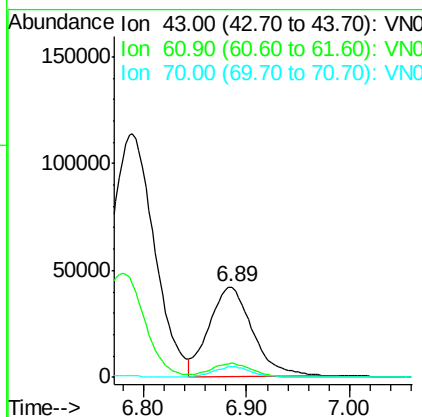
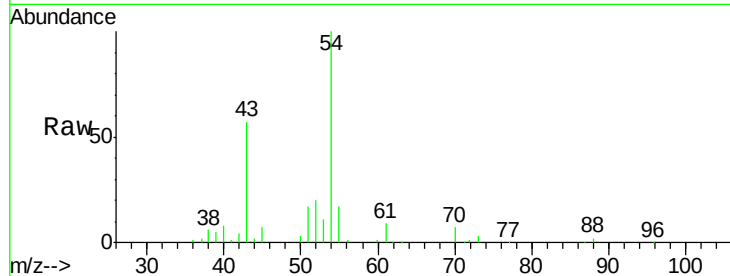
#37
Ethyl Acetate
Concen: 45.281 ug/l
RT: 6.89 min Scan# 1590
Delta R.T. 0.00 min
Lab File: VN062756.D
Acq: 5 Aug 2020 12:15

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	43	Resp	123549
Ion Ratio	Lower	Upper	
43	100		
61	15.1	12.1	18.1
70	10.4	8.3	12.5

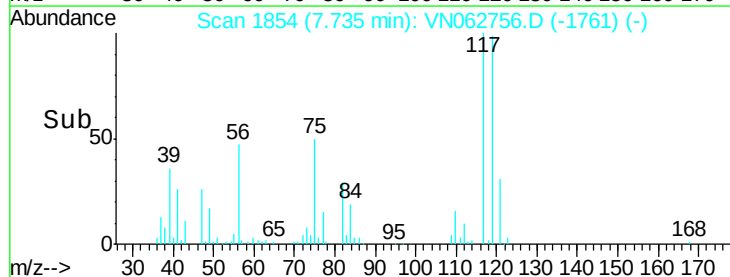
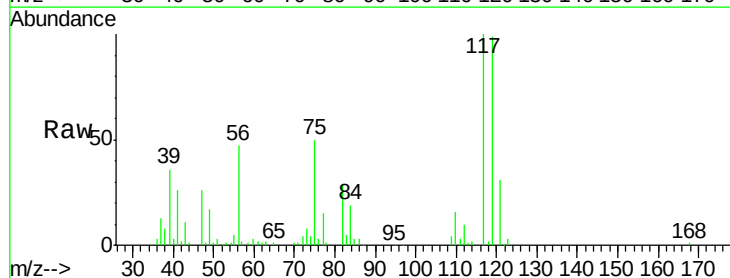
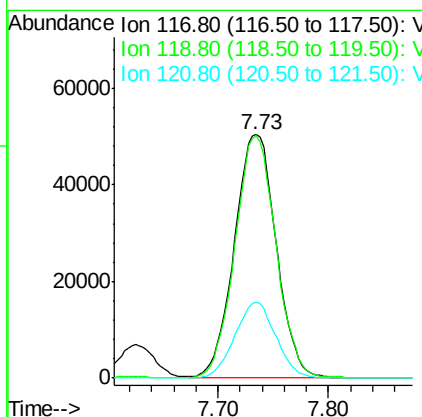
Manual Integrations
APPROVED

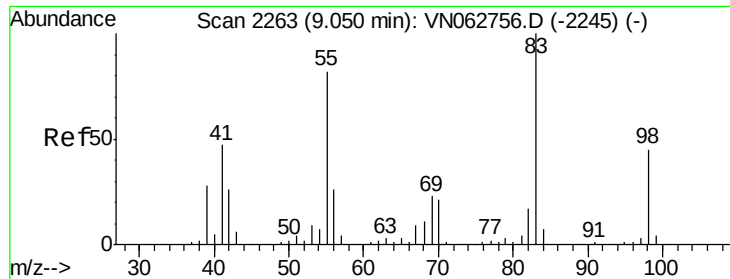
MMDadoda
8/6/2020 1:51:46 PM



#38
Carbon Tetrachloride
Concen: 52.896 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VN062756.D
Acq: 5 Aug 2020 12:15

Tgt Ion	117	Resp	132869
Ion Ratio	Lower	Upper	
117	100		
119	99.3	79.4	119.2
121	31.1	24.9	37.3





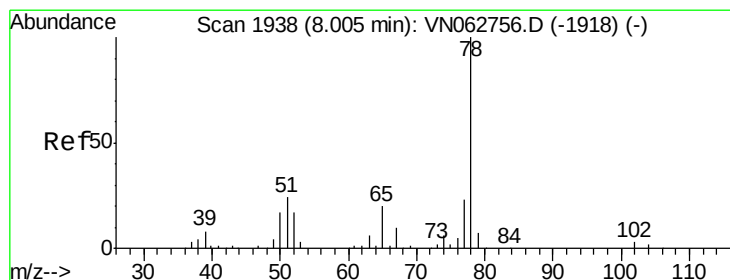
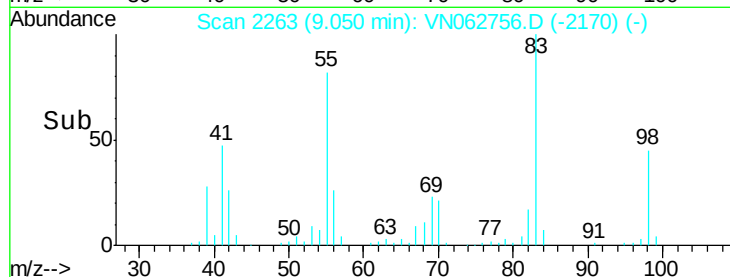
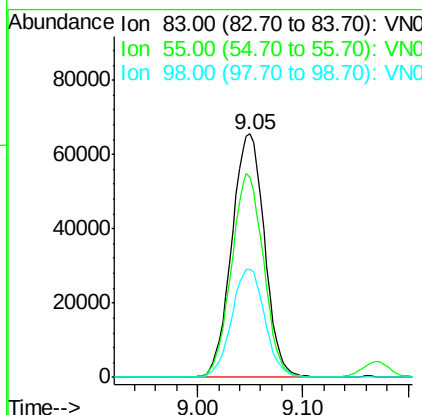
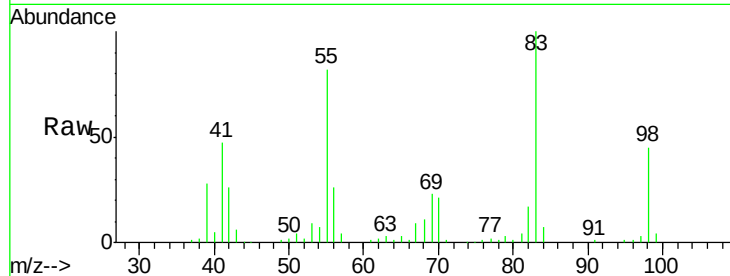
#39
Methylvlcyclohexane
Concen: 50.640 ug/l
RT: 9.05 min Scan# 2263
Delta R.T. 0.00 min
Lab File: VN062756.D
Acq: 5 Aug 2020 12:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.1	65.7	98.5
98	44.5	35.6	53.4

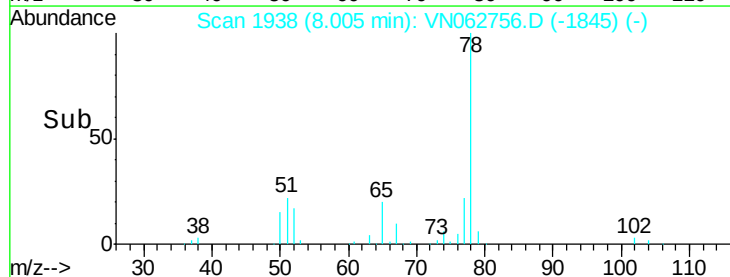
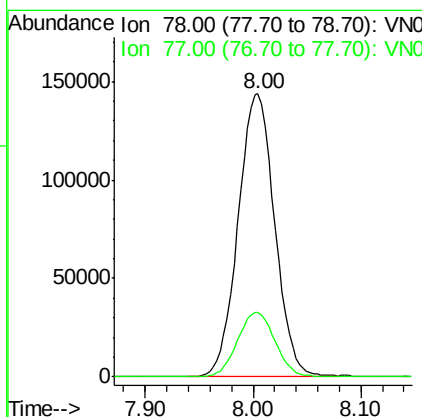
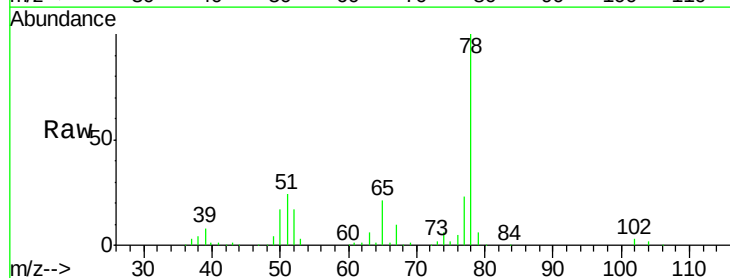
Manual Integrations
APPROVED

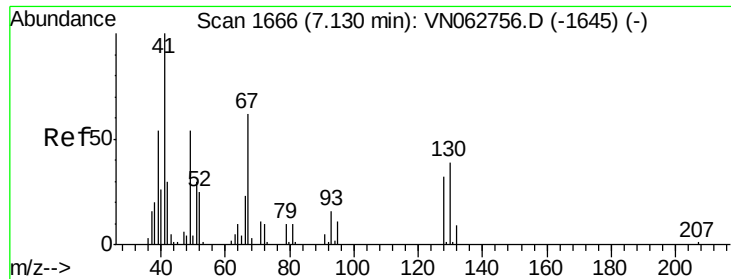
MMDadoda
8/6/2020 1:51:46 PM



#40
Benzene
Concen: 44.172 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN062756.D
Acq: 5 Aug 2020 12:15

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.6	18.1	27.1





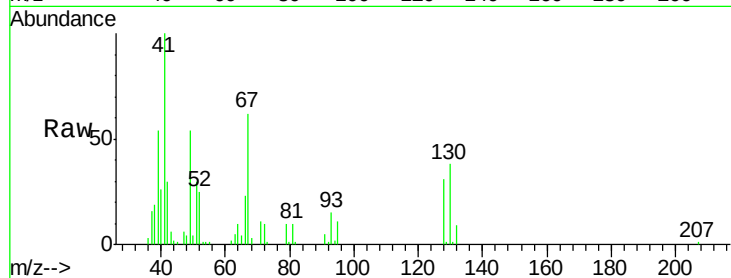
#41
Methacrylonitrile
Concen: 50.894 ug/l m
RT: 7.13 min Scan# 1666
Delta R.T. 0.00 min
Lab File: VN062756.D
Acq: 5 Aug 2020 12:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

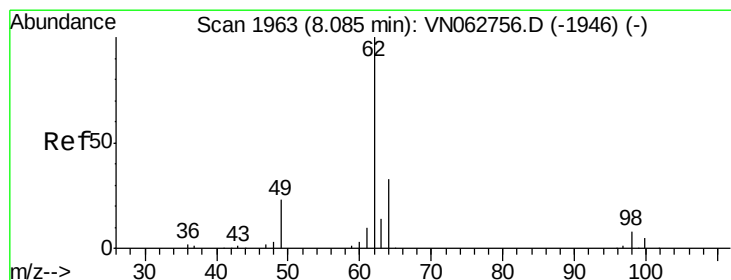
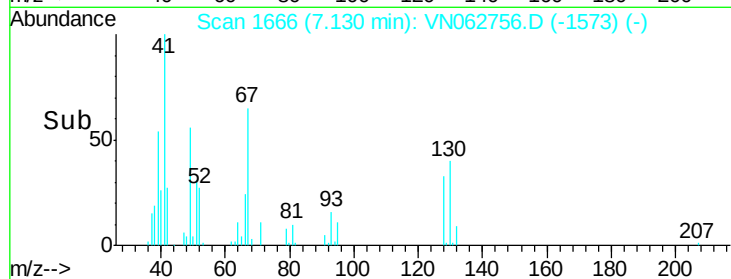
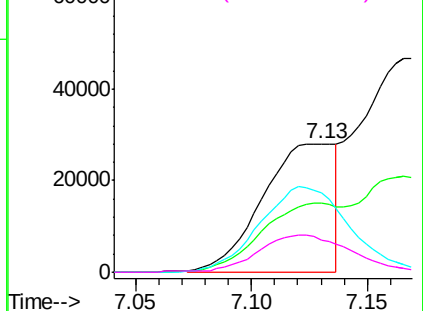
Tot Ion	41	Resp	61642
Ion	Ratio	Lower	Upper
41	100		
39	87.1	69.4	104.2
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
8/6/2020 1:51:46 PM

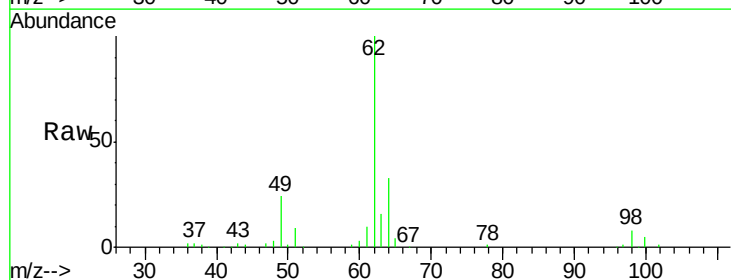


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

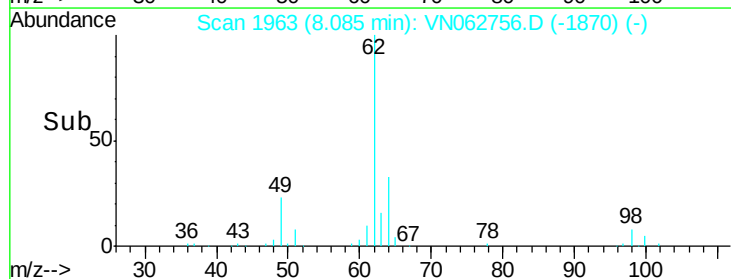
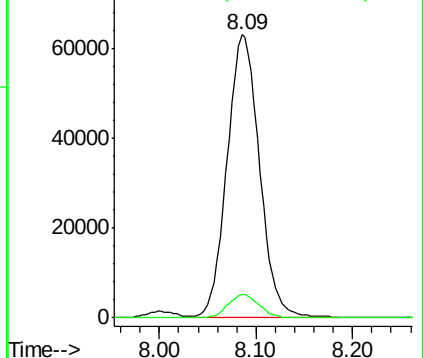


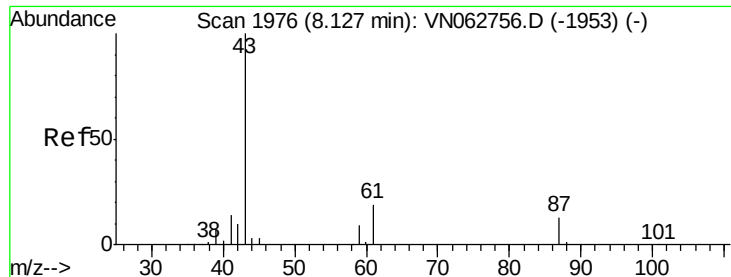
#42
1,2-Dichloroethane
Concen: 51.267 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN062756.D
Acq: 5 Aug 2020 12:15

Tgt Ion	62	Resp	147678
Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	15.8



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





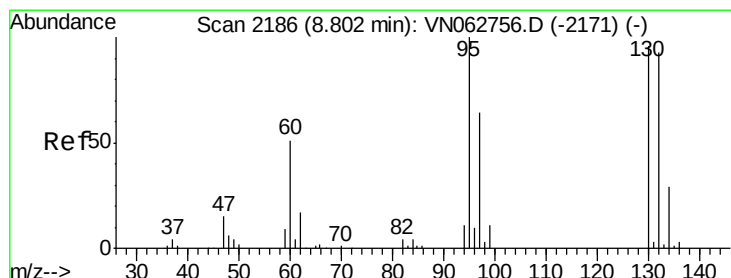
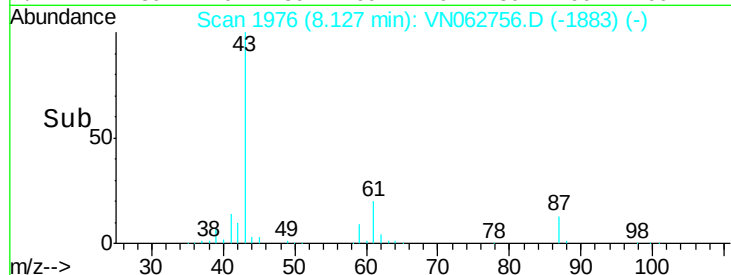
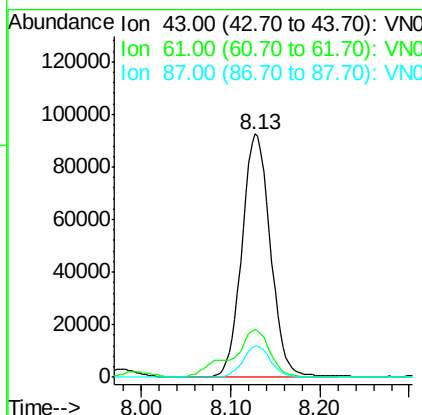
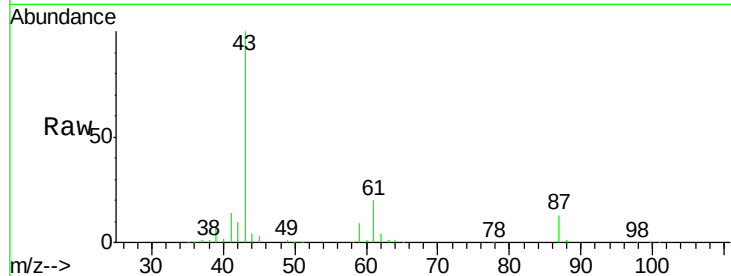
#43
Isopropyl Acetate
Concen: 46.569 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN062756.D
Acq: 5 Aug 2020 12:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	43	Resp	205120
Ion	Ratio	Lower	Upper
43	100		
61	19.7	15.8	23.6
87	12.4	9.9	14.9

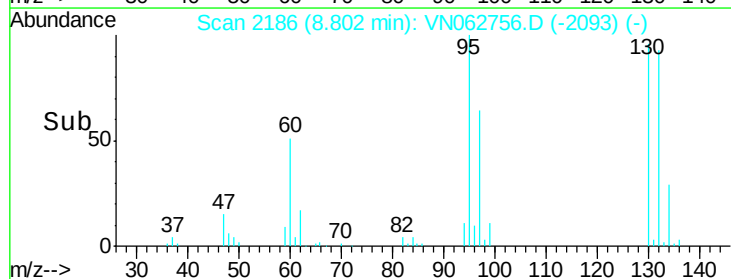
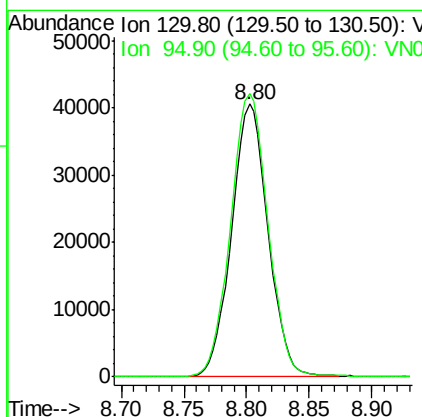
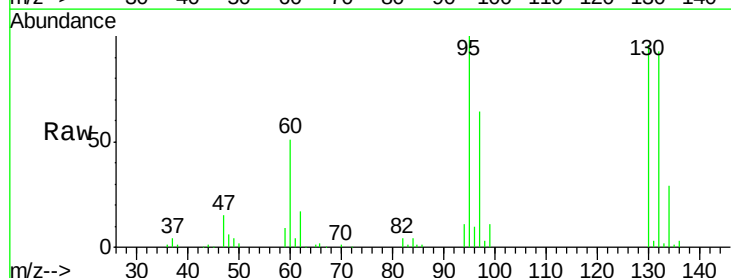
Manual Integrations
APPROVED

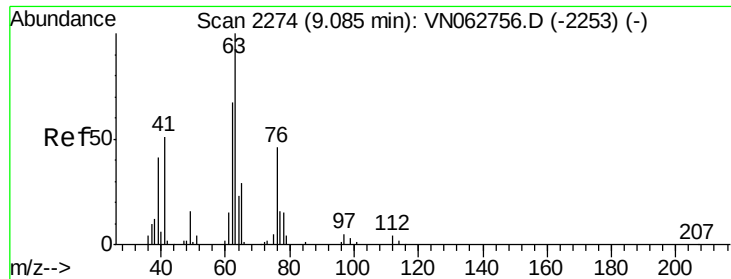
MMDadoda
8/6/2020 1:51:46 PM



#44
Trichloroethene
Concen: 46.851 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. 0.00 min
Lab File: VN062756.D
Acq: 5 Aug 2020 12:15

Tgt Ion	130	Resp	81919
Ion	Ratio	Lower	Upper
130	100		
95	103.8	0.0	207.6





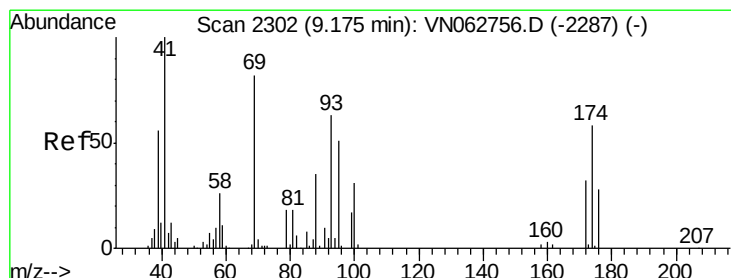
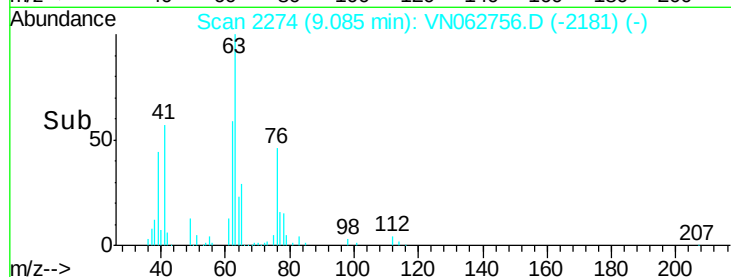
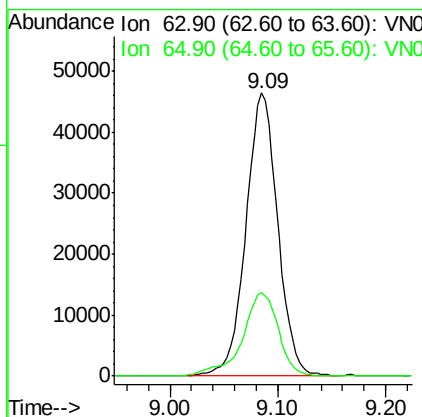
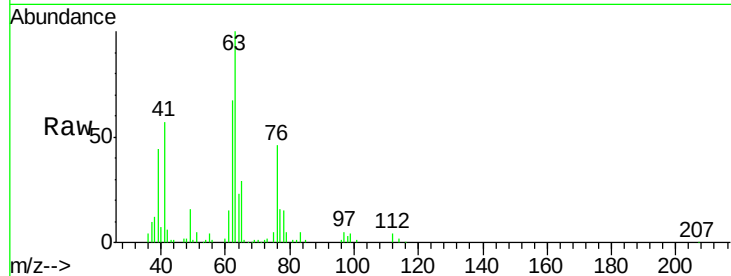
#45
 1,2-Dichloropropane
 Concen: 44.216 ug/l
 RT: 9.09 min Scan# 2274
 Delta R.T. 0.00 min
 Lab File: VN062756.D
 Acq: 5 Aug 2020 12:15

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion	63	Resp	95233
Ion Ratio	Lower	Upper	
63	100		
65	29.4	23.5	35.3

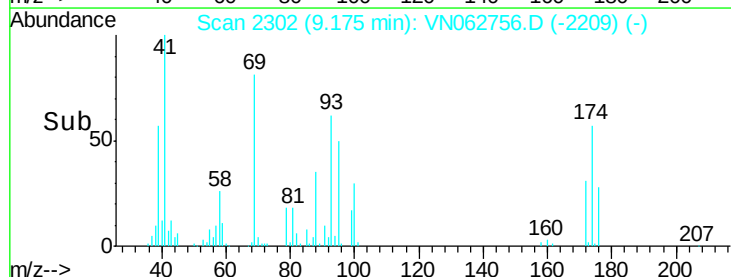
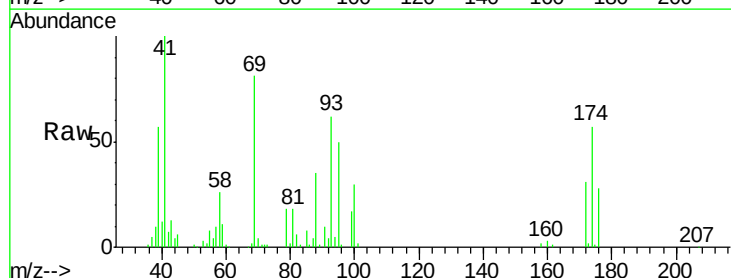
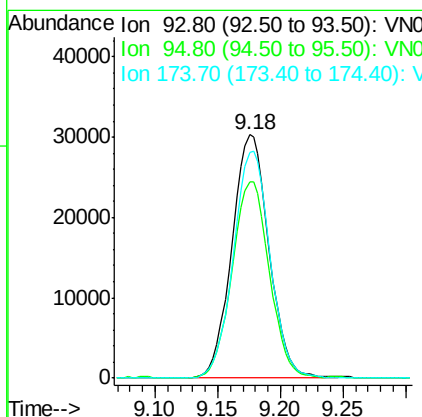
Manual Integrations
 APPROVED

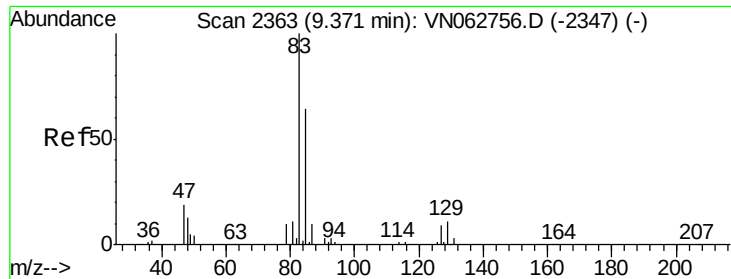
MMDadoda
 8/6/2020 1:51:46 PM



#46
 Dibromomethane
 Concen: 49.104 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. 0.00 min
 Lab File: VN062756.D
 Acq: 5 Aug 2020 12:15

Tgt Ion	93	Resp	62160
Ion Ratio	Lower	Upper	
93	100		
95	81.4	65.1	97.7
174	92.4	73.9	110.9





#47

Bromodichloromethane

Concen: 51.389 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. 0.00 min

Lab File: VN062756.D

Acq: 5 Aug 2020 12:15

Instrument :

MSVOA_N

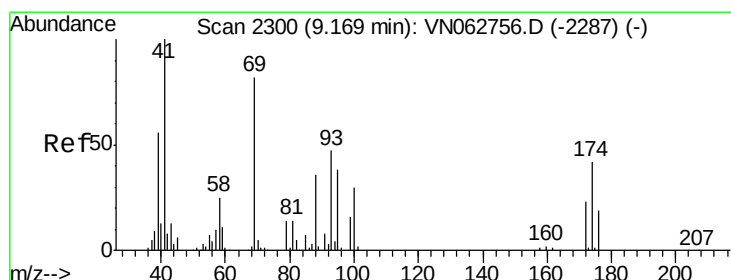
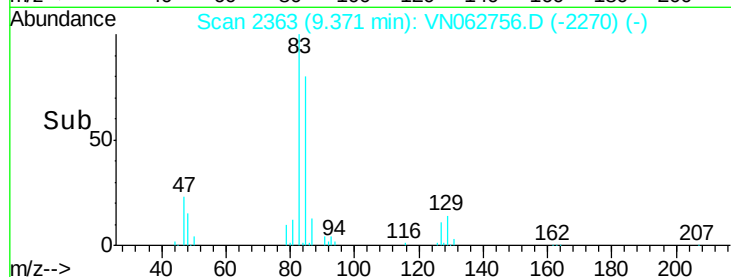
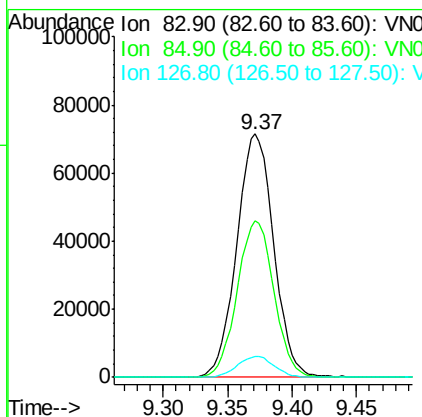
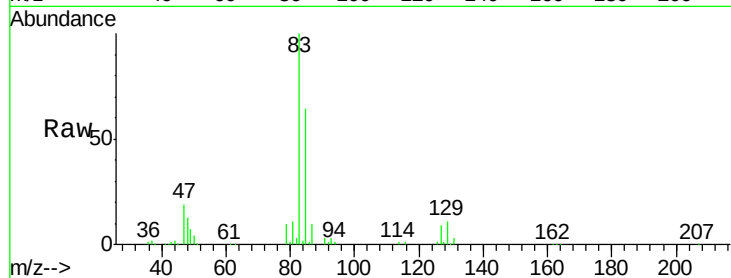
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	142595
Ion Ratio	Lower	Upper	
83	100		
85	64.2	51.4	77.0
127	8.6	6.9	10.3

Manual Integrations
APPROVED

MMDadoda
8/6/2020 1:51:46 PM



#48

Methyl methacrylate

Concen: 48.707 ug/l

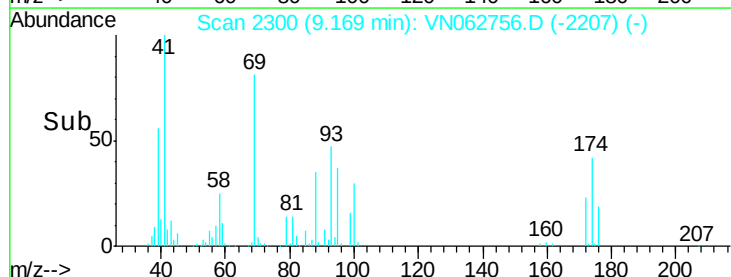
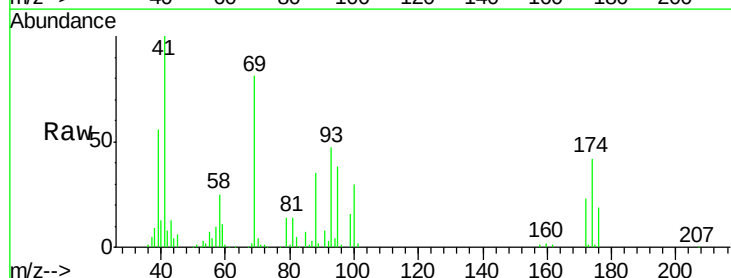
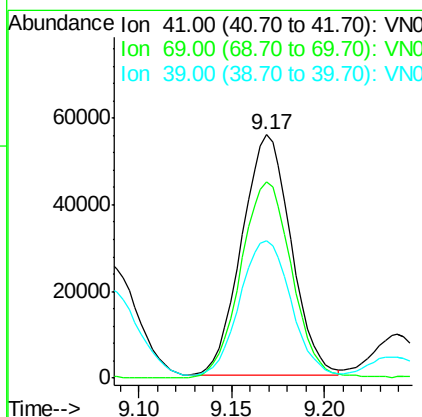
RT: 9.17 min Scan# 2300

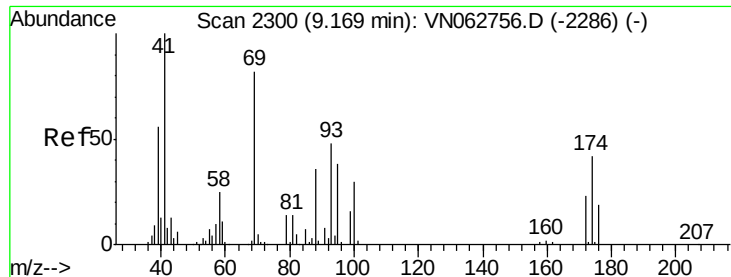
Delta R.T. 0.00 min

Lab File: VN062756.D

Acq: 5 Aug 2020 12:15

Tgt Ion:	41	Resp:	102916
Ion Ratio	Lower	Upper	
41	100		
69	84.3	67.4	101.2
39	59.5	47.6	71.4





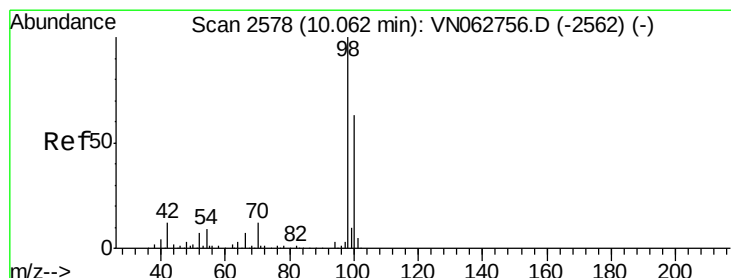
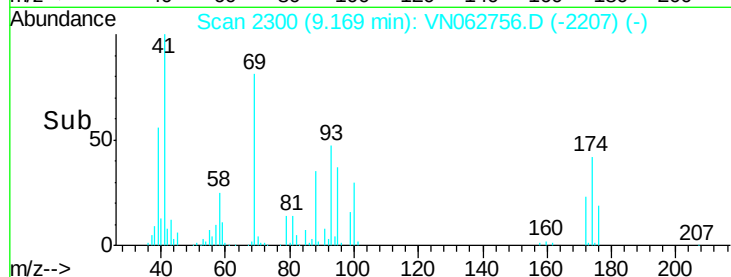
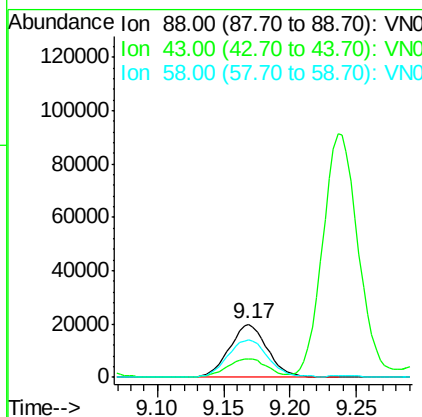
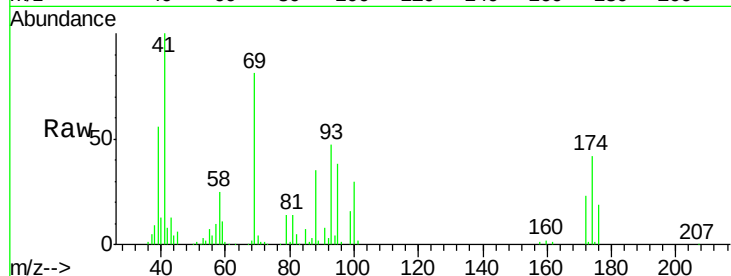
#49
1,4-Dioxane
Concen: 1181.029 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. 0.00 min
Lab File: VN062756.D
Acq: 5 Aug 2020 12:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.9	29.5	44.3
58	74.8	59.8	89.8

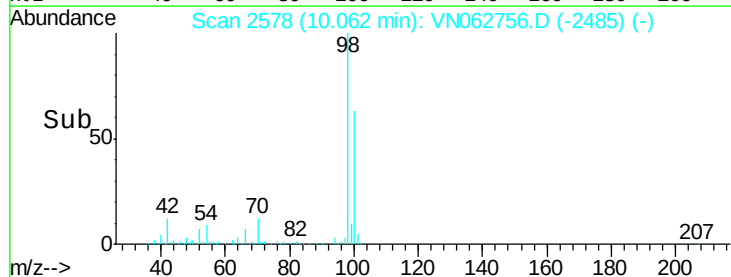
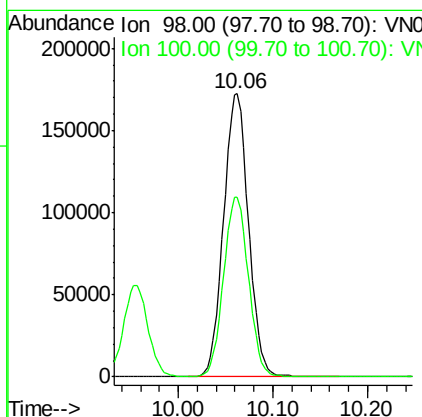
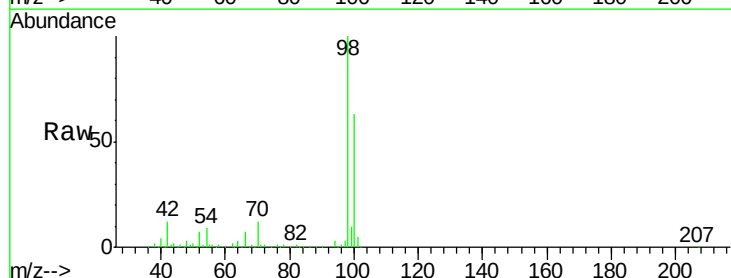
Manual Integrations
APPROVED

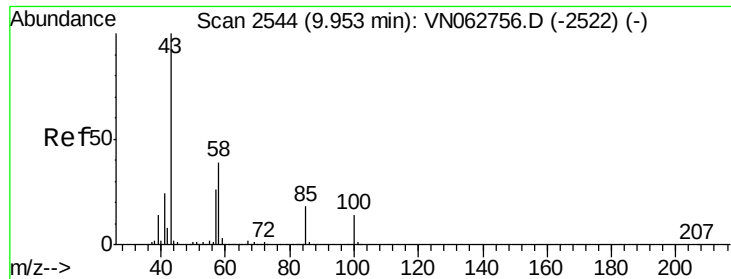
MMDadoda
8/6/2020 1:51:46 PM



#50
Toluene-d8
Concen: 49.637 ug/l
RT: 10.06 min Scan# 2578
Delta R.T. 0.00 min
Lab File: VN062756.D
Acq: 5 Aug 2020 12:15

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	50.9	76.3





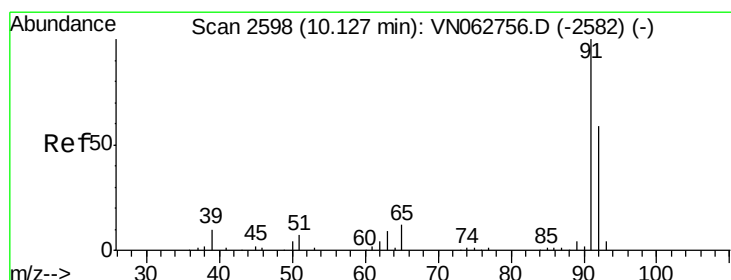
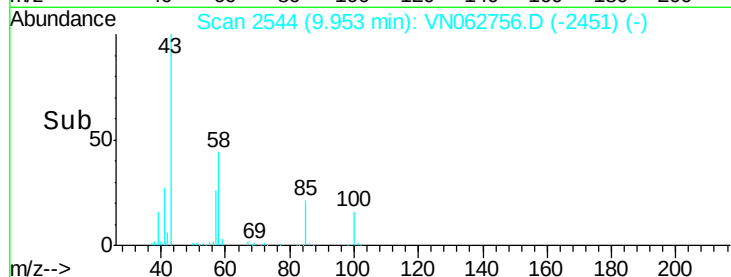
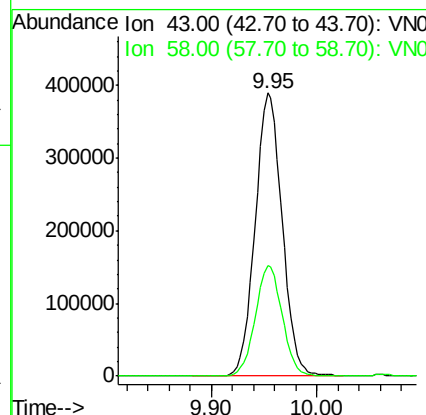
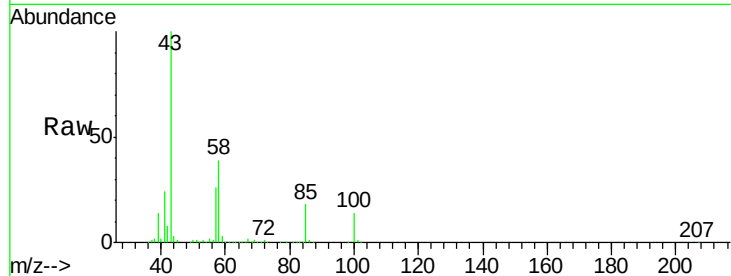
#51
4-Methyl-2-Pentanone
Concen: 258.420 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. 0.00 min
Lab File: VN062756.D
Acq: 5 Aug 2020 12:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	43	Resp	693232
Ion Ratio	100	Lower	Upper
43	100		
58	38.9	31.1	46.7

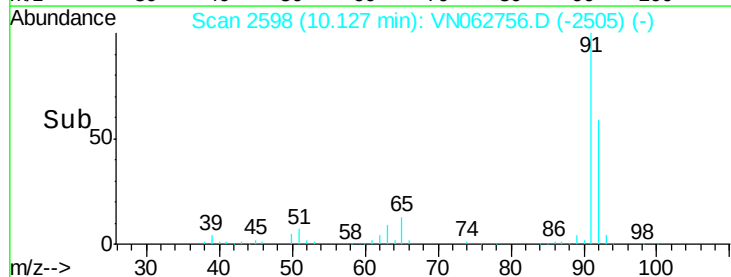
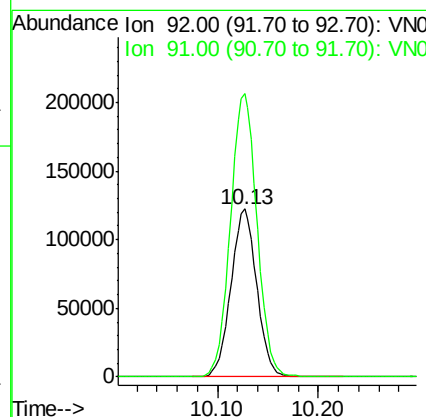
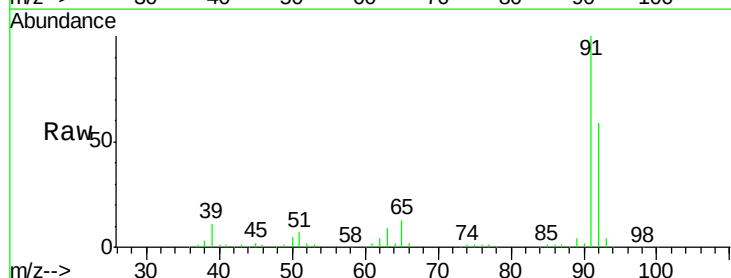
Manual Integrations
APPROVED

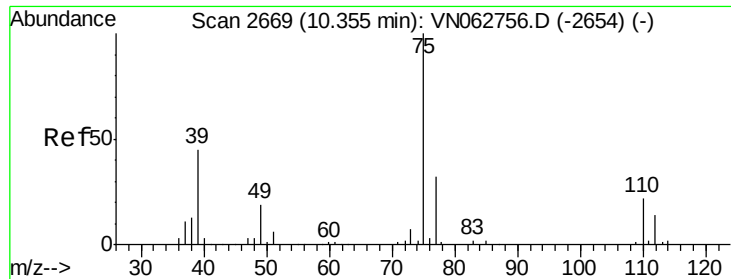
MMDadoda
8/6/2020 1:51:46 PM



#52
Toluene
Concen: 48.430 ug/l
RT: 10.13 min Scan# 2598
Delta R.T. 0.00 min
Lab File: VN062756.D
Acq: 5 Aug 2020 12:15

Tgt Ion	92	Resp	218139
Ion Ratio	100	Lower	Upper
92	100		
91	173.6	138.9	208.3





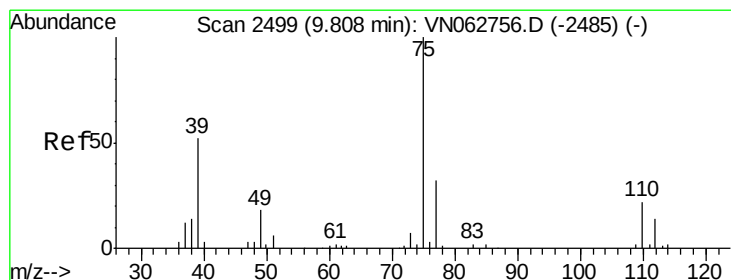
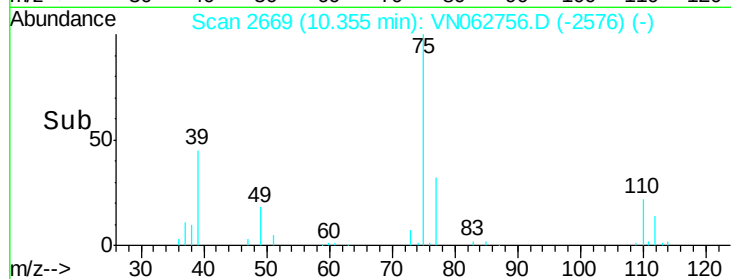
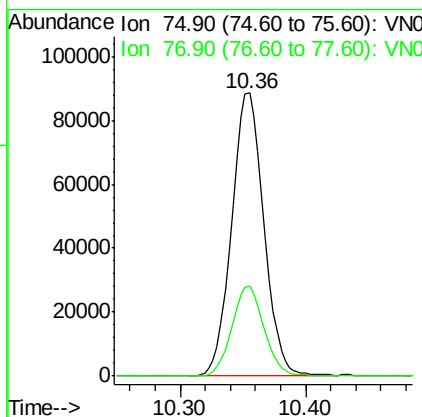
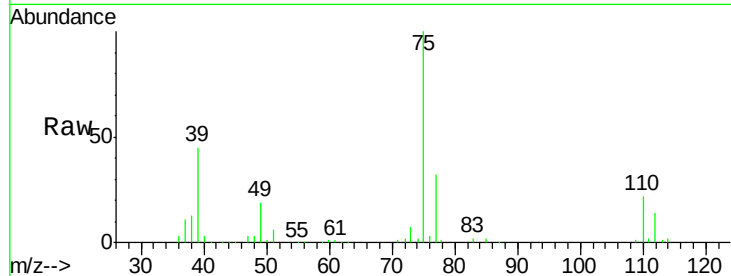
#53
 t-1,3-Dichloropropene
 Concen: 51.458 ug/l
 RT: 10.36 min Scan# 2669
 Delta R.T. 0.00 min
 Lab File: VN062756.D
 Acq: 5 Aug 2020 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 75 Resp: 157829
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.4 38.2

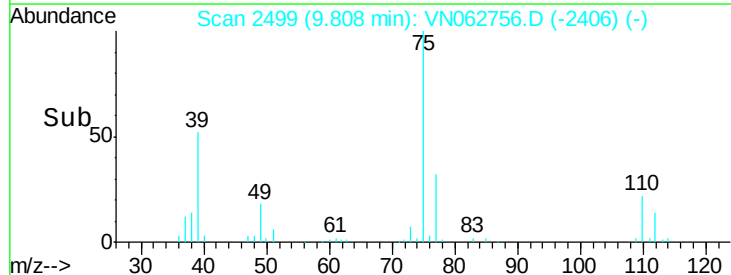
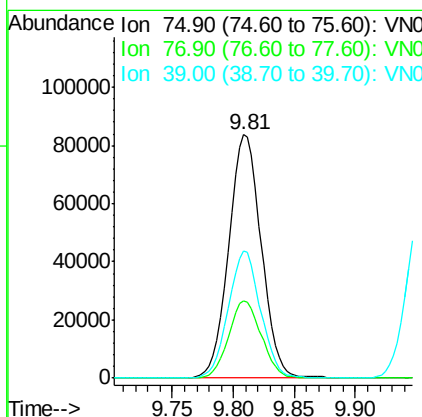
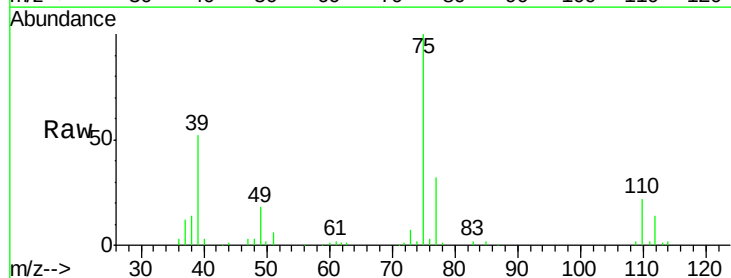
Manual Integrations
 APPROVED

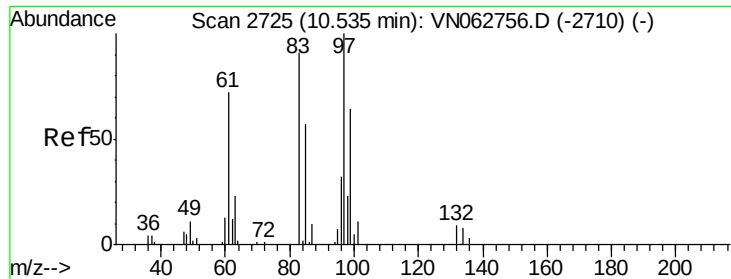
MMDadoda
 8/6/2020 1:51:46 PM



#54
 cis-1,3-Dichloropropene
 Concen: 47.947 ug/l
 RT: 9.81 min Scan# 2499
 Delta R.T. 0.00 min
 Lab File: VN062756.D
 Acq: 5 Aug 2020 12:15

Tgt Ion: 75 Resp: 155567
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.5 38.3
 39 52.4 41.9 62.9





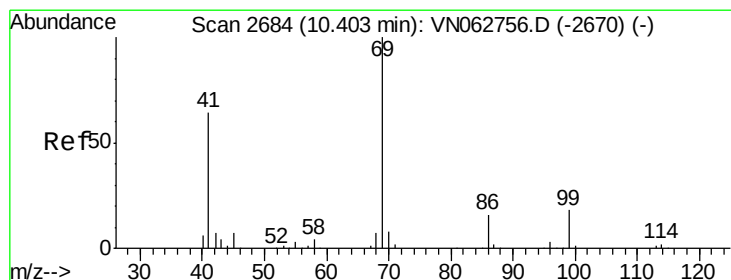
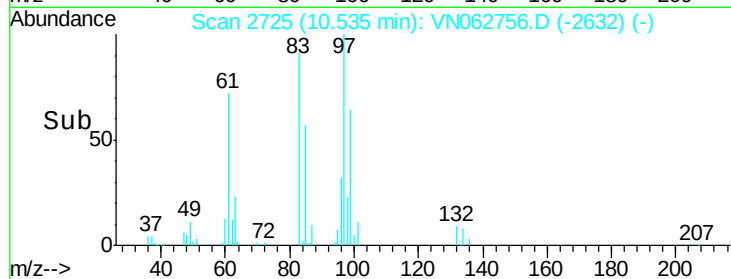
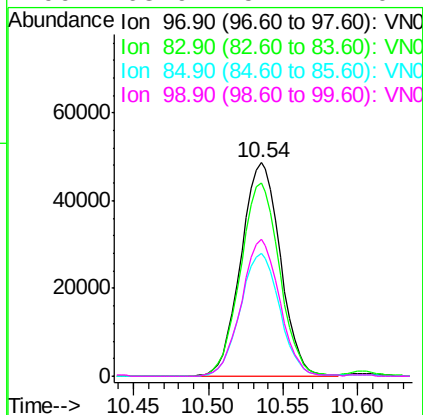
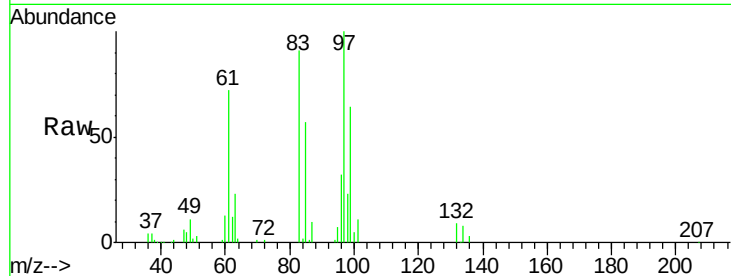
#55
 1,1,2-Trichloroethane
 Concen: 50.699 ug/l
 RT: 10.54 min Scan# 2725
 Delta R.T. 0.00 min
 Lab File: VN062756.D
 Acq: 5 Aug 2020 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
97	100		
83	90.7	72.6	108.8
85	57.5	46.0	69.0
99	63.9	51.1	76.7

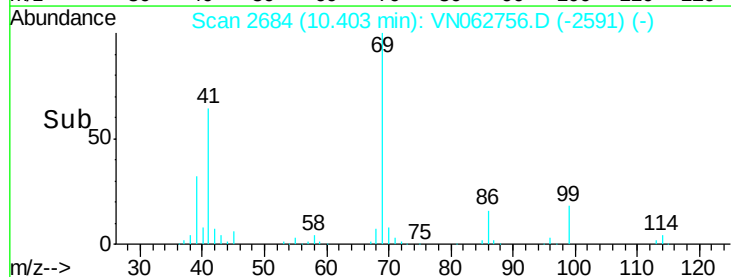
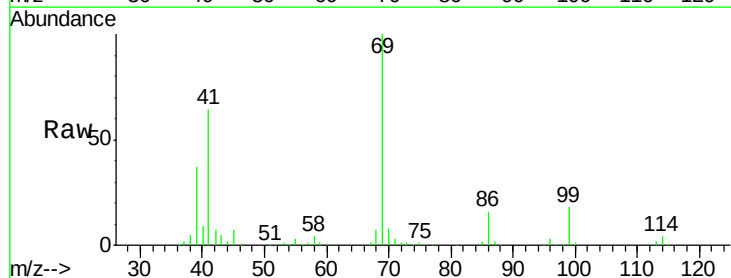
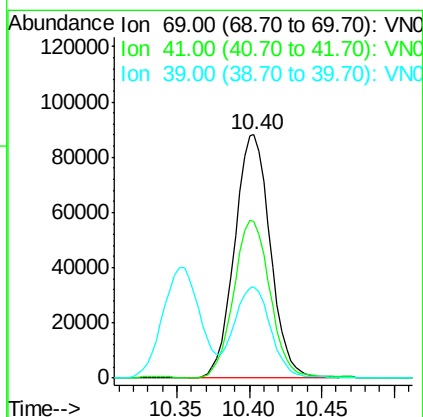
Manual Integrations
 APPROVED

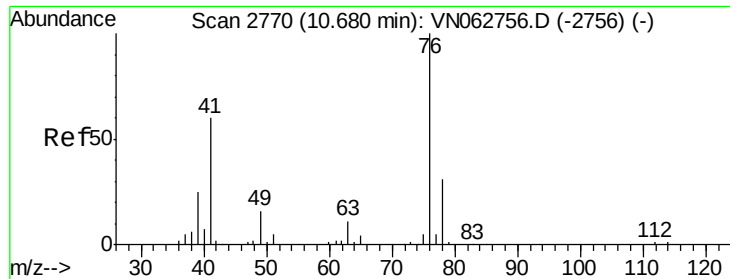
MMDadoda
 8/6/2020 1:51:46 PM



#56
 Ethyl methacrylate
 Concen: 53.565 ug/l
 RT: 10.40 min Scan# 2684
 Delta R.T. 0.00 min
 Lab File: VN062756.D
 Acq: 5 Aug 2020 12:15

Tgt Ion	Ratio	Lower	Upper
69	100		
41	65.2	52.2	78.2
39	38.6	30.9	46.3





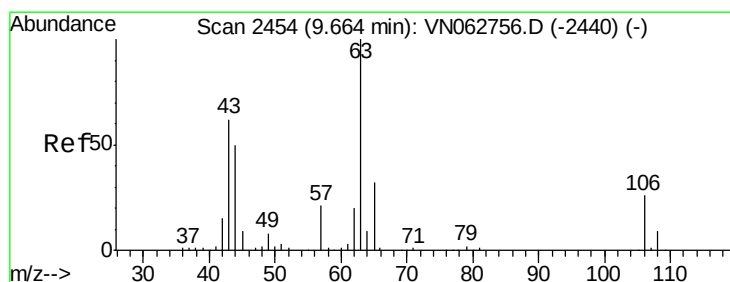
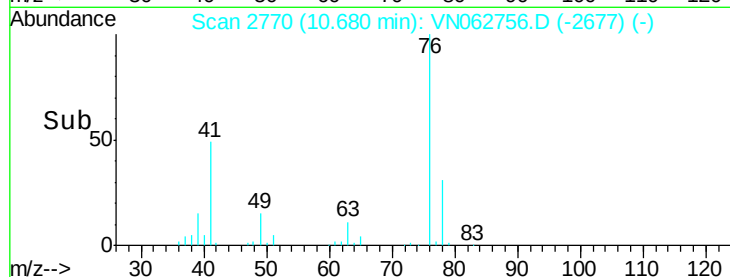
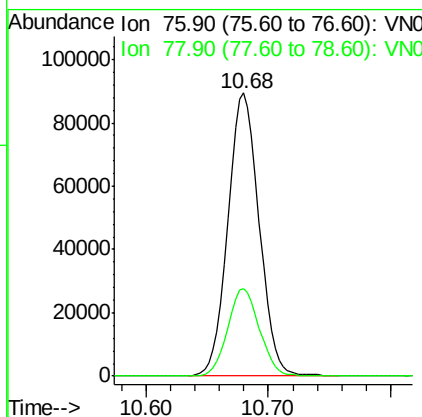
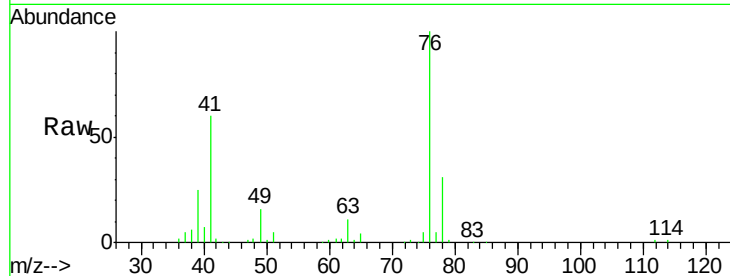
#57
 1,3-Dichloropropane
 Concen: 49.603 ug/l
 RT: 10.68 min Scan# 2770
 Delta R.T. 0.00 min
 Lab File: VN062756.D
 Acq: 5 Aug 2020 12:15

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion: 76 Resp: 159592
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.4 38.0

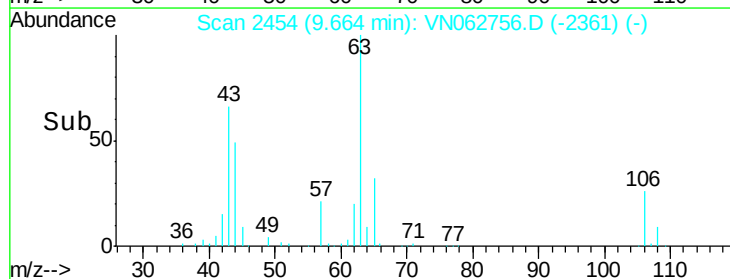
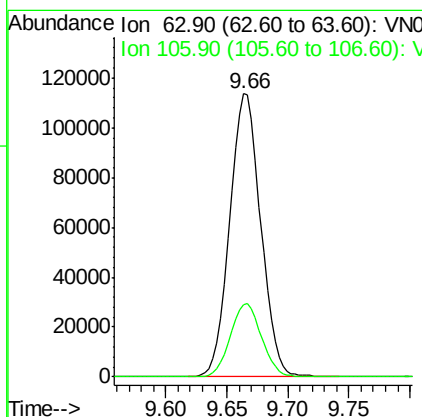
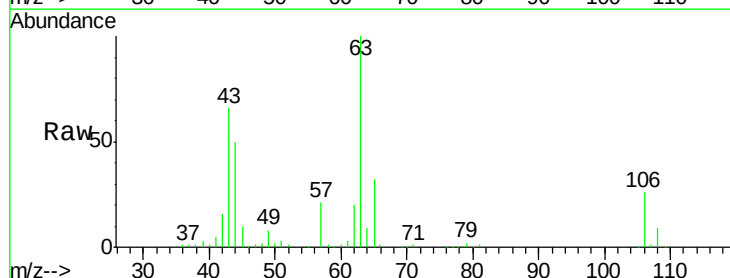
Manual Integrations
 APPROVED

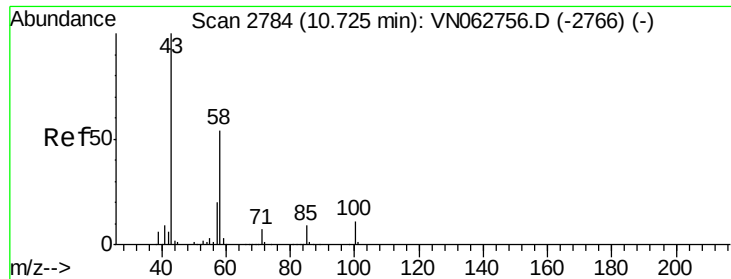
MMDadoda
 8/6/2020 1:51:46 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 254.119 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. 0.00 min
 Lab File: VN062756.D
 Acq: 5 Aug 2020 12:15

Tgt Ion: 63 Resp: 201737
 Ion Ratio Lower Upper
 63 100
 106 26.1 20.9 31.3





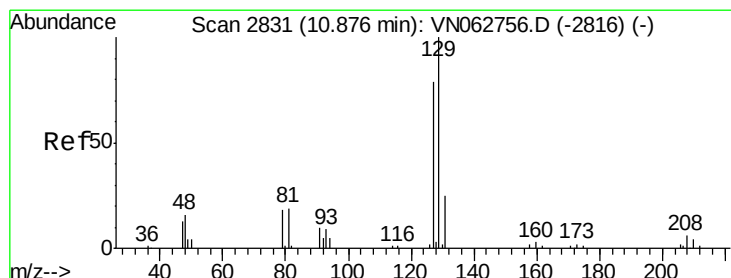
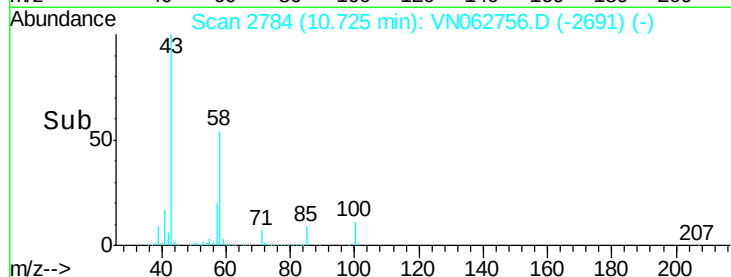
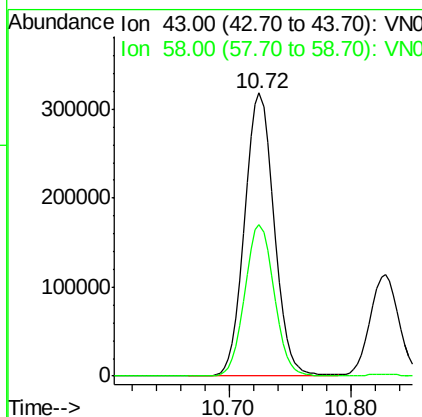
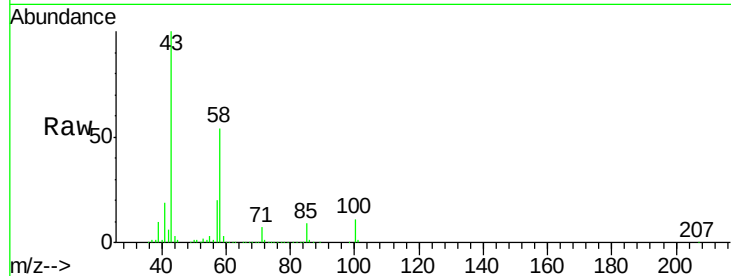
#59
2-Hexanone
Concen: 275.745 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN062756.D
Acq: 5 Aug 2020 12:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 528820
Ion Ratio Lower Upper
43 100
58 53.4 26.7 80.1

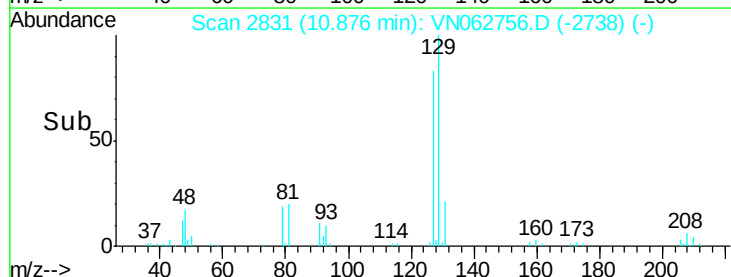
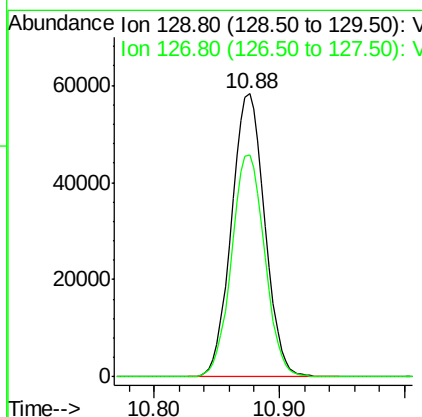
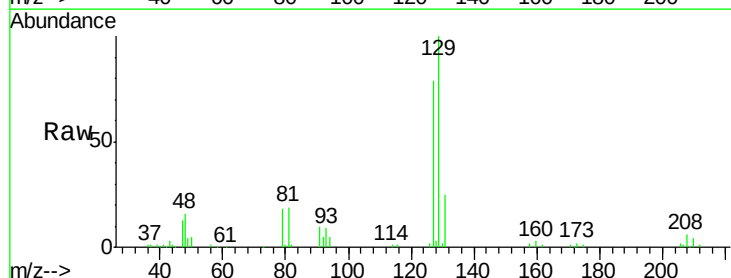
Manual Integrations
APPROVED

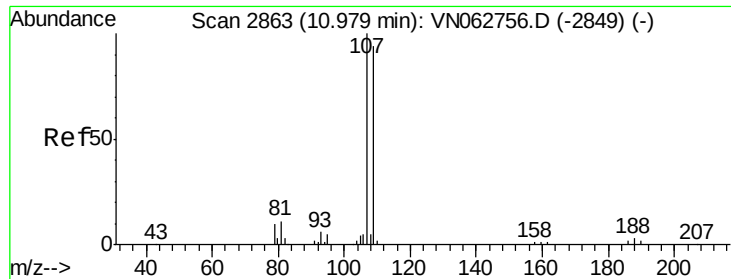
MMDadoda
8/6/2020 1:51:46 PM



#60
Dibromochloromethane
Concen: 54.085 ug/l
RT: 10.88 min Scan# 2831
Delta R.T. 0.00 min
Lab File: VN062756.D
Acq: 5 Aug 2020 12:15

Tgt Ion: 129 Resp: 107496
Ion Ratio Lower Upper
129 100
127 78.1 39.1 117.2





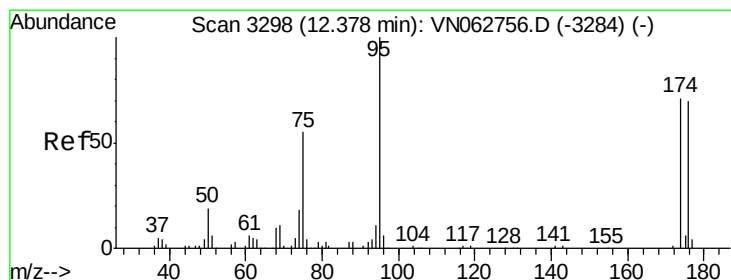
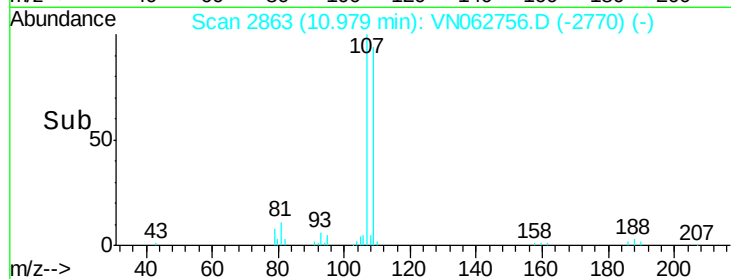
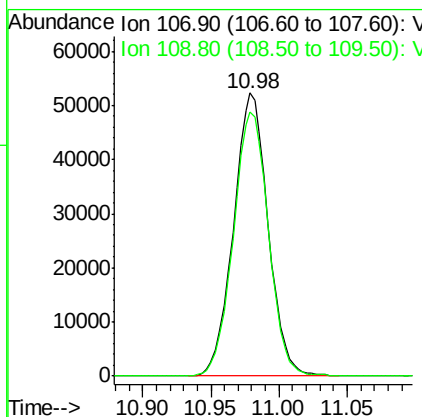
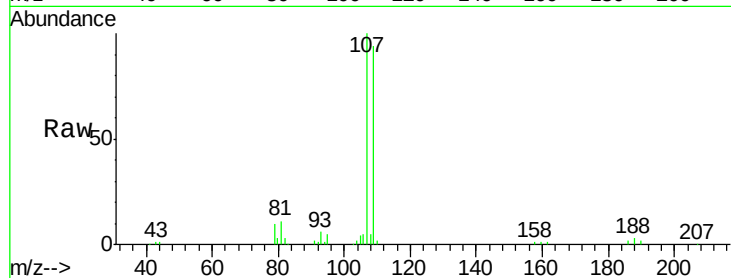
#61
 1,2-Dibromoethane
 Concen: 50.050 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VN062756.D
 Acq: 5 Aug 2020 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion:107 Resp: 91724
 Ion Ratio Lower Upper
 107 100
 109 95.1 76.1 114.1

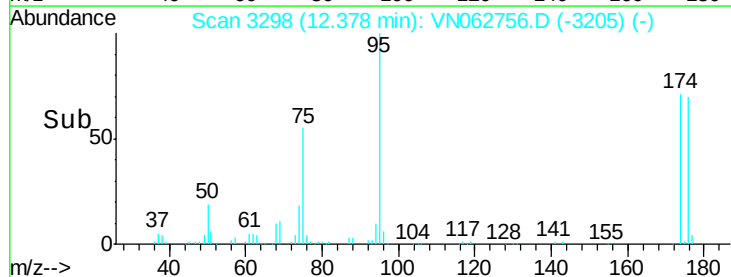
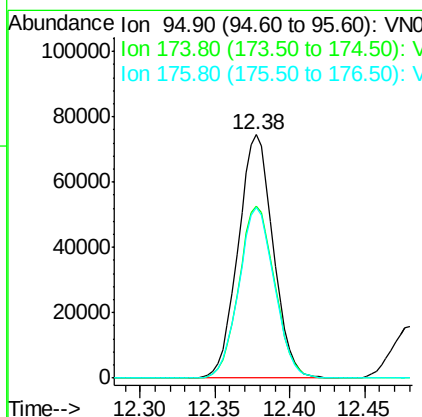
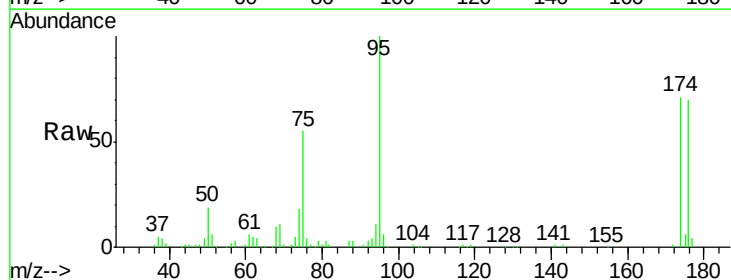
Manual Integrations
 APPROVED

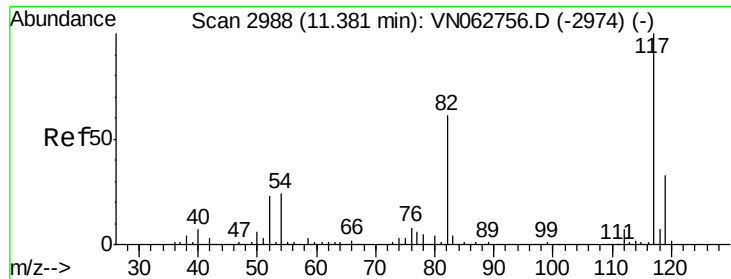
MMDadoda
 8/6/2020 1:51:46 PM



#62
 4-Bromofluorobenzene
 Concen: 51.667 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VN062756.D
 Acq: 5 Aug 2020 12:15

Tgt Ion: 95 Resp: 121352
 Ion Ratio Lower Upper
 95 100
 174 72.4 0.0 144.8
 176 71.1 0.0 142.2





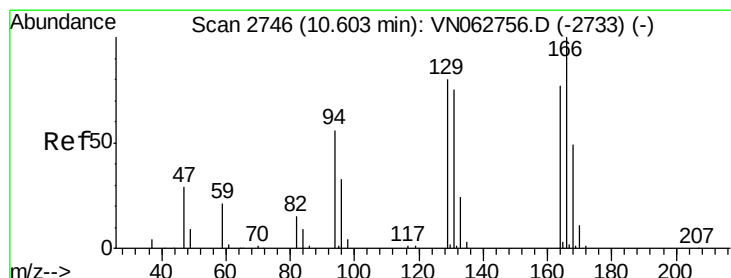
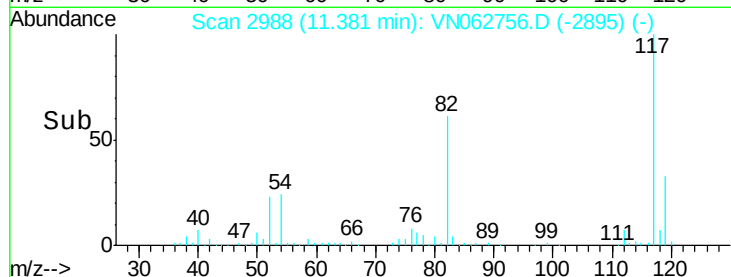
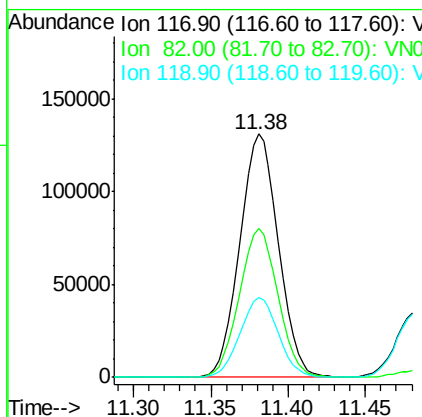
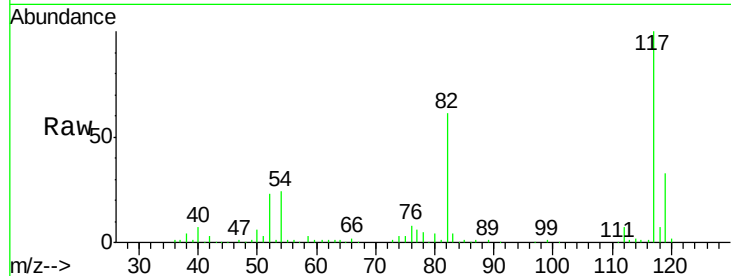
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062756.D
Acq: 5 Aug 2020 12:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.2	49.0	73.4
119	32.7	26.2	39.2

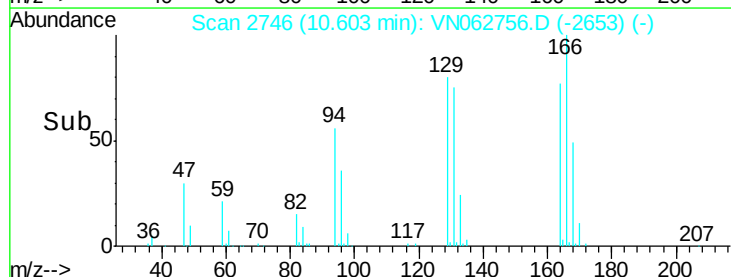
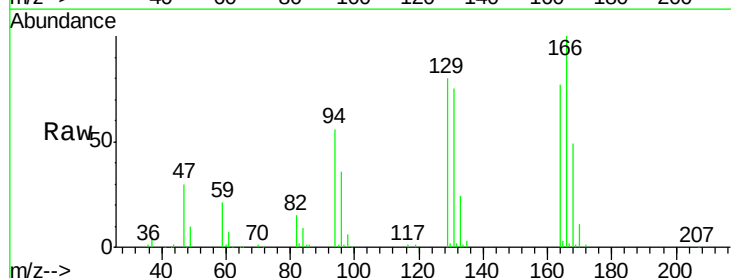
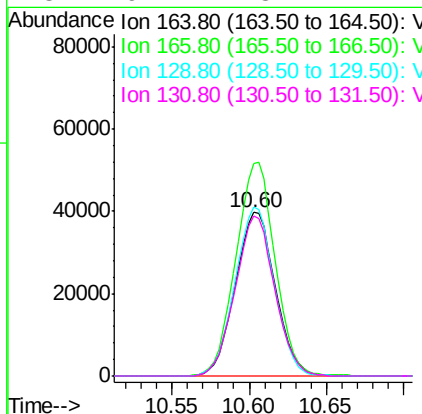
Manual Integrations
APPROVED

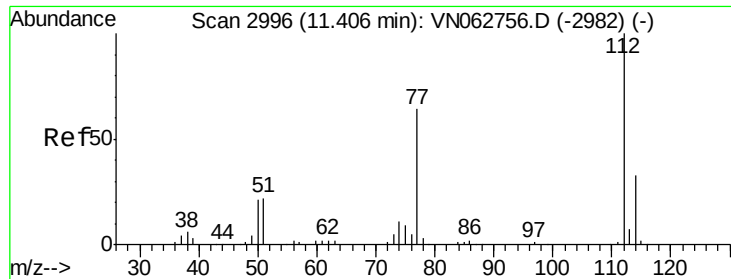
MMDadoda
8/6/2020 1:51:46 PM



#64
Tetrachloroethene
Concen: 48.465 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN062756.D
Acq: 5 Aug 2020 12:15

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.8	103.8	155.8
129	103.4	82.7	124.1
131	97.7	78.2	117.2





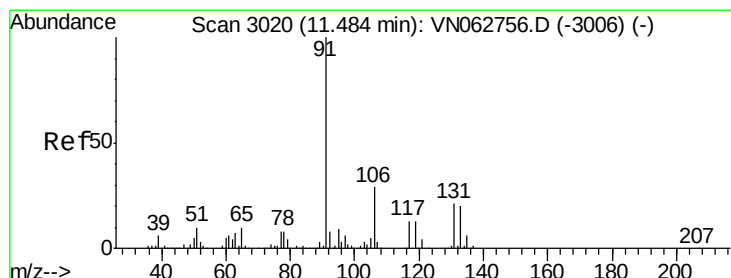
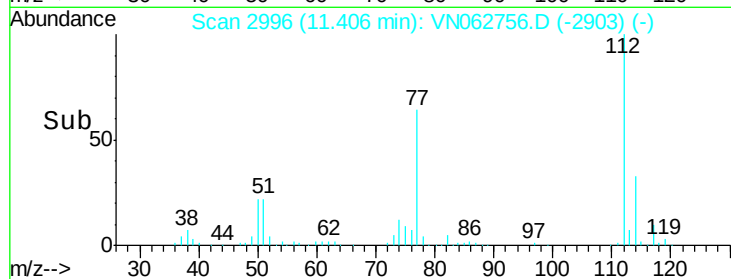
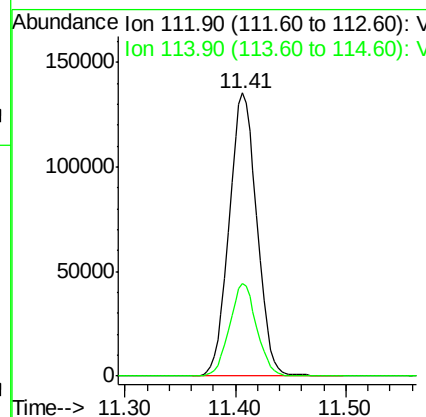
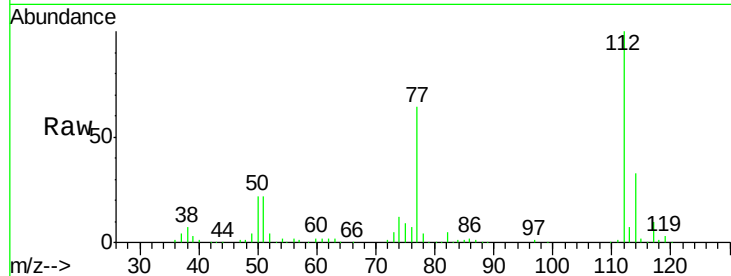
#65
Chlorobenzene
Concen: 49.529 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN062756.D
Acq: 5 Aug 2020 12:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion:112 Resp: 235914
Ion Ratio Lower Upper
112 100
114 32.8 26.2 39.4

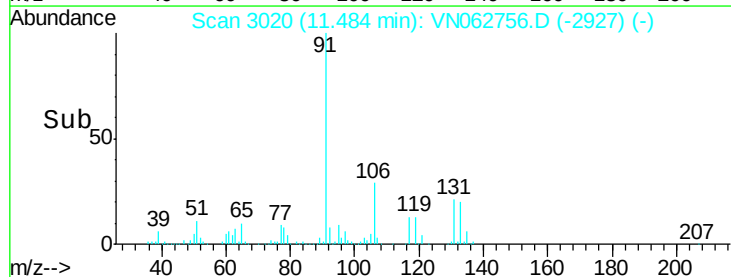
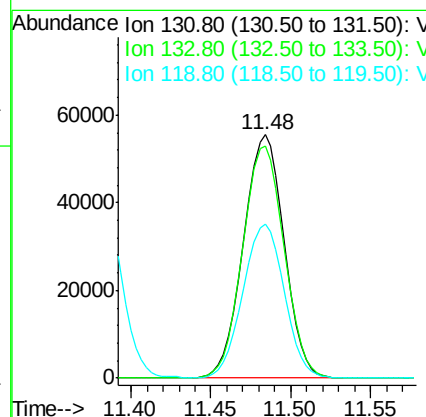
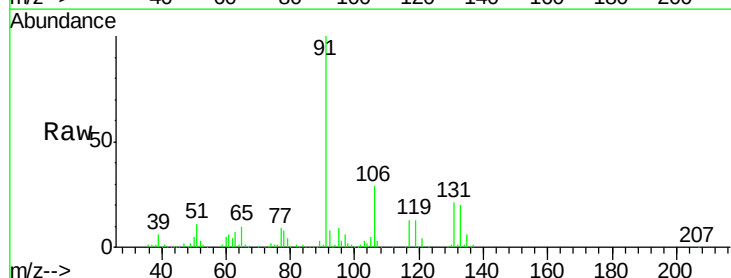
Manual Integrations
APPROVED

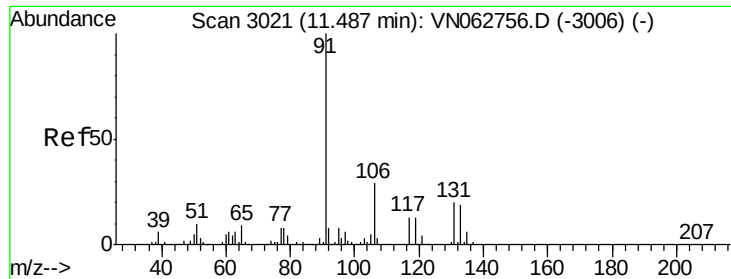
MMDadoda
8/6/2020 1:51:46 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.966 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN062756.D
Acq: 5 Aug 2020 12:15

Tgt Ion:131 Resp: 96372
Ion Ratio Lower Upper
131 100
133 97.2 48.6 145.8
119 64.4 32.2 96.6





#67

Ethyl Benzene

Concen: 50.208 ug/l

RT: 11.49 min Scan# 3021

Delta R.T. 0.00 min

Lab File: VN062756.D

Acq: 5 Aug 2020 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 438193

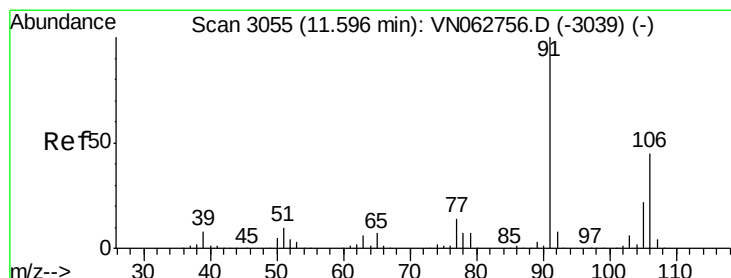
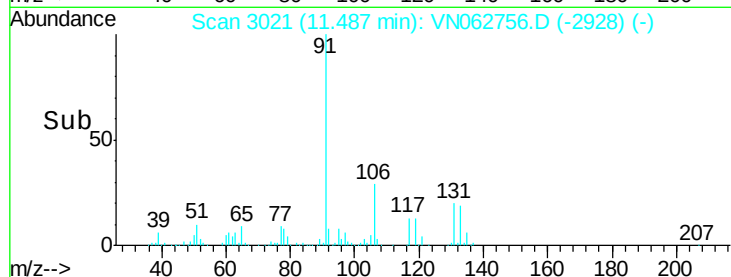
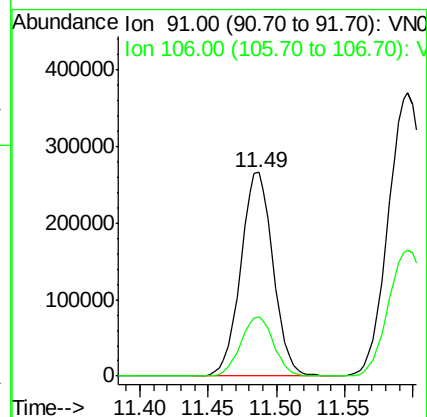
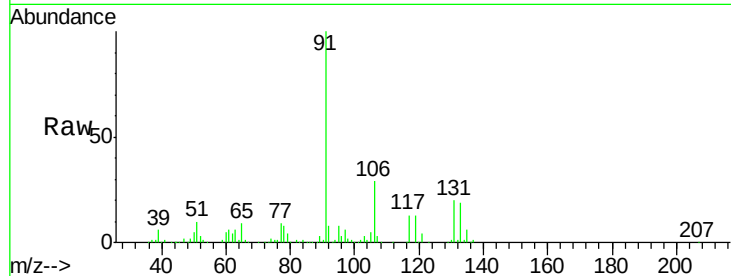
Ion Ratio Lower Upper

91 100

106 29.0 23.2 34.8

Manual Integrations
APPROVED

MMDadoda
8/6/2020 1:51:46 PM



#68

m/p-Xylenes

Concen: 103.029 ug/l

RT: 11.60 min Scan# 3055

Delta R.T. 0.00 min

Lab File: VN062756.D

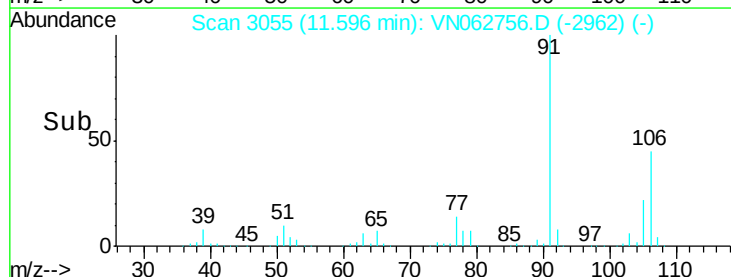
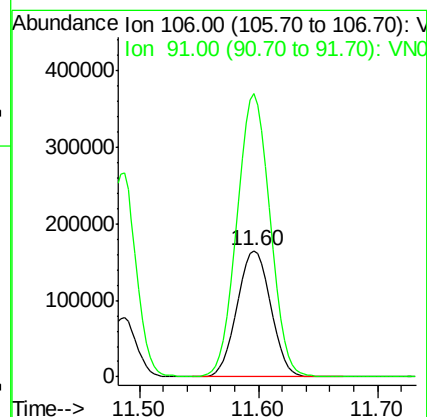
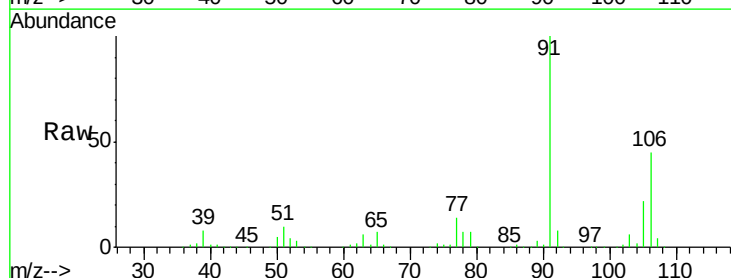
Acq: 5 Aug 2020 12:15

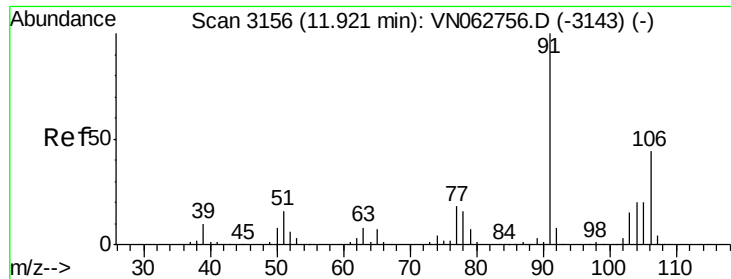
Tgt Ion: 106 Resp: 324008

Ion Ratio Lower Upper

106 100

91 219.9 175.9 263.9





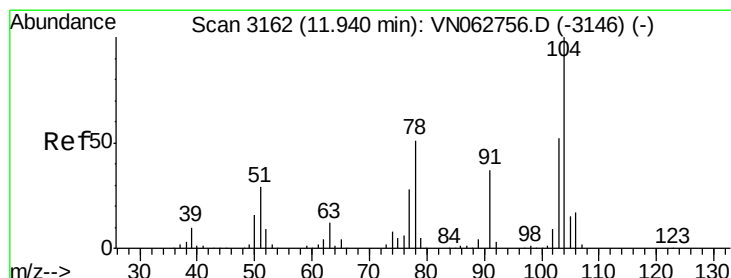
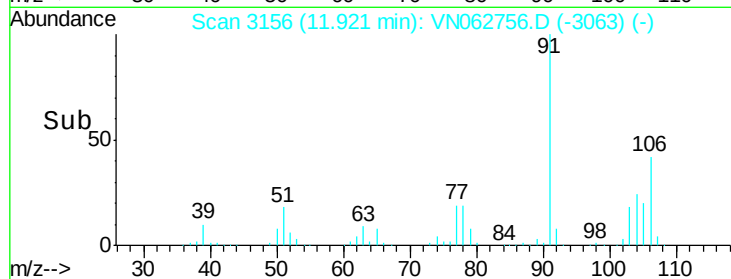
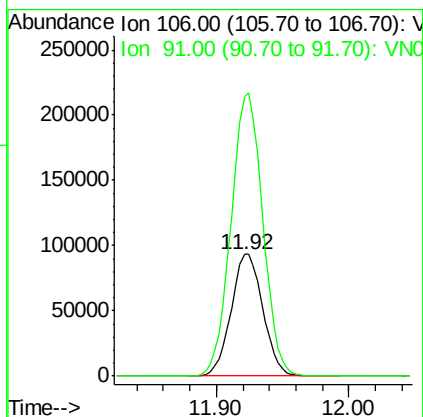
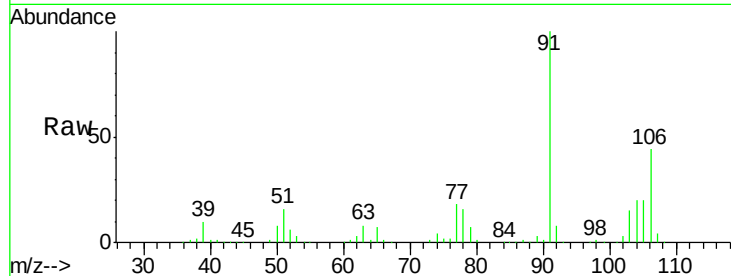
#69
o-Xylene
Concen: 52.052 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN062756.D
Acq: 5 Aug 2020 12:15

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		155735		
91	231.6	115.8	347.4		

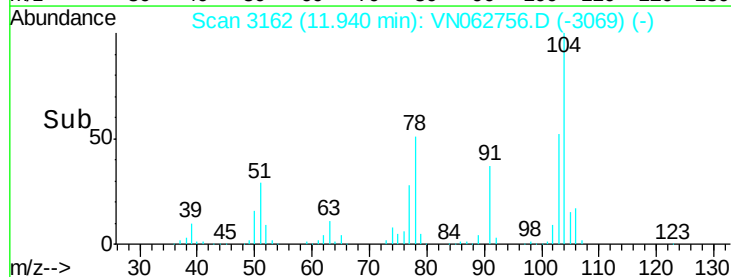
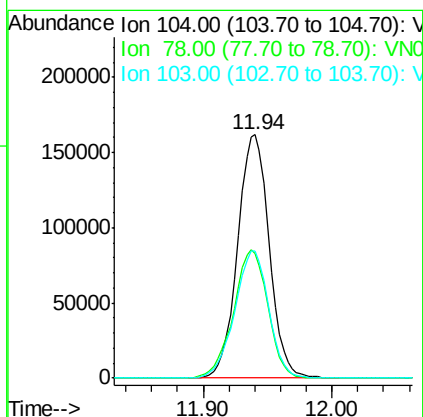
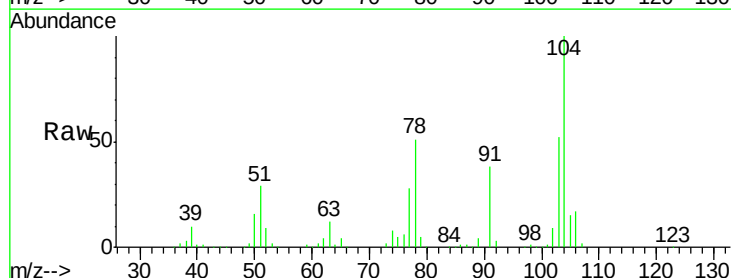
Manual Integrations
APPROVED

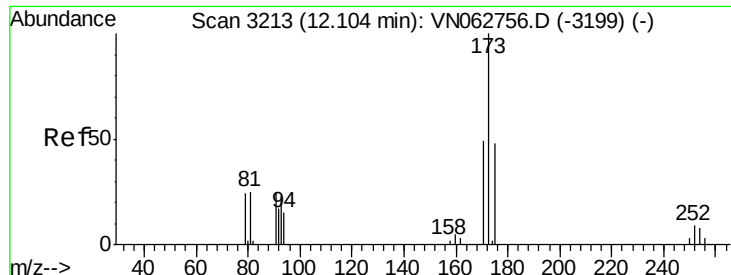
MMDadoda
8/6/2020 1:51:46 PM



#70
Styrene
Concen: 54.446 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN062756.D
Acq: 5 Aug 2020 12:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		276263		
78	57.4	45.9	68.9		
103	56.4	45.1	67.7		





#71

Bromoform

Concen: 57.829 ug/l

RT: 12.10 min Scan# 3213

Delta R.T. 0.00 min

Lab File: VN062756.D

Acq: 5 Aug 2020 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:173 Resp: 79947

Ion Ratio Lower Upper

173 100

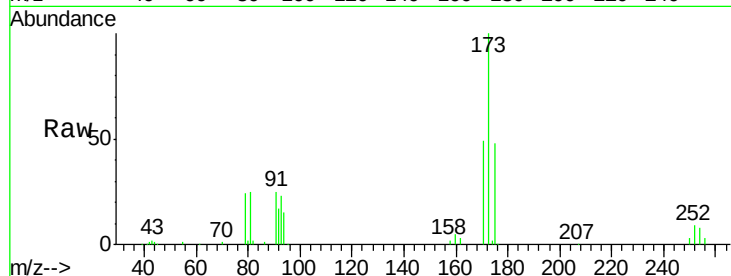
175 48.0 24.0 72.0

254 0.0 0.0 0.0

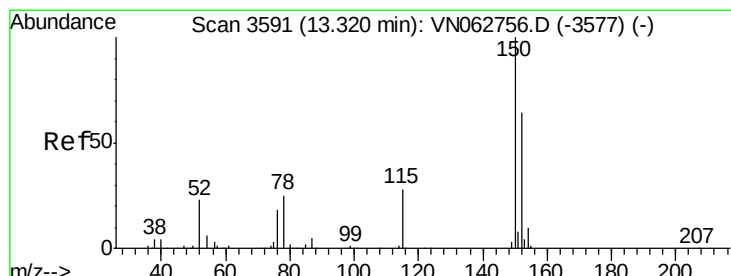
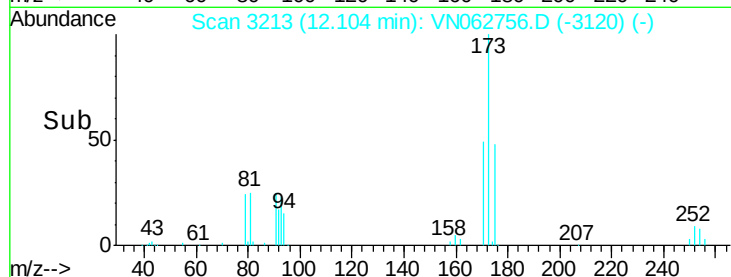
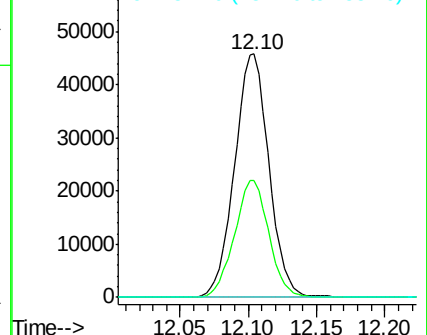
Manual Integrations
APPROVED

MMDadoda

8/6/2020 1:51:46 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# 3591

Delta R.T. 0.00 min

Lab File: VN062756.D

Acq: 5 Aug 2020 12:15

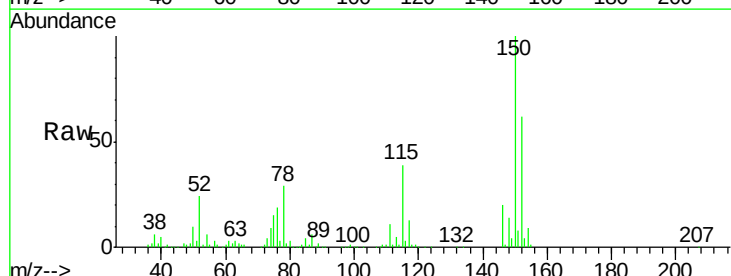
Tgt Ion:152 Resp: 116130

Ion Ratio Lower Upper

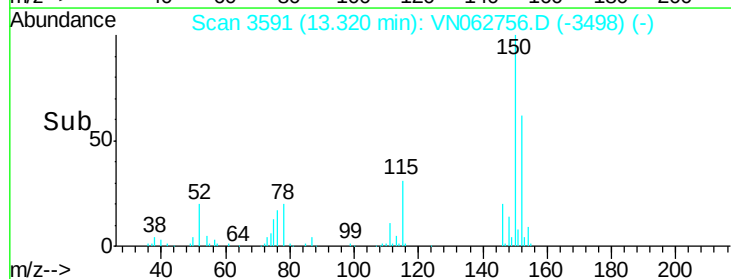
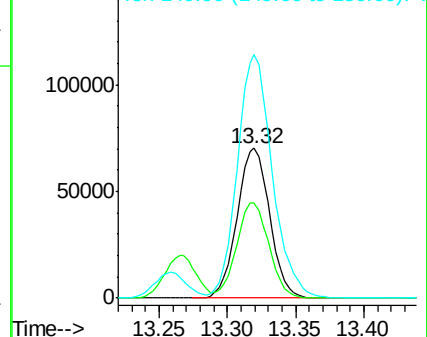
152 100

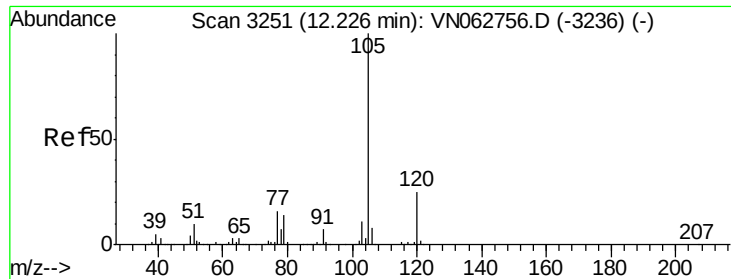
115 63.2 31.6 94.8

150 174.6 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.573 ug/l

RT: 12.23 min Scan# 3251

Delta R.T. 0.00 min

Lab File: VN062756.D

Acq: 5 Aug 2020 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 444118

Ion Ratio Lower Upper

105 100

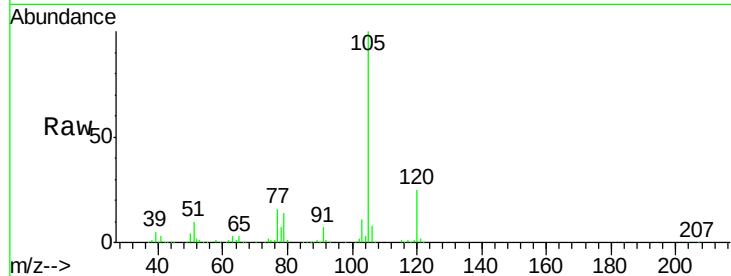
120 25.2 12.6 37.8

Manual Integrations

APPROVED

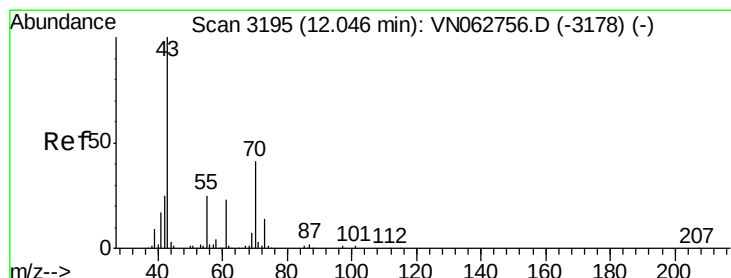
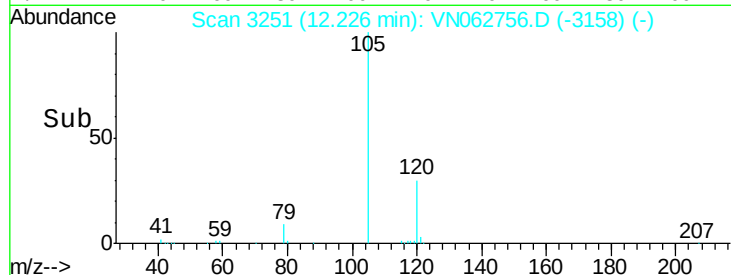
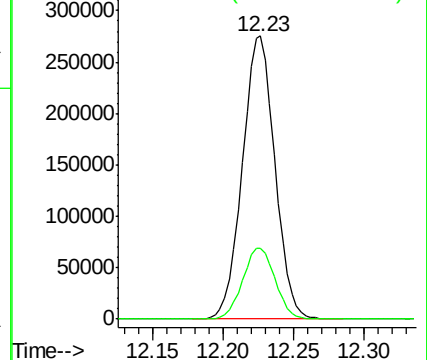
MMDadoda

8/6/2020 1:51:46 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: 47.975 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN062756.D

Acq: 5 Aug 2020 12:15

Tgt Ion: 43 Resp: 191533

Ion Ratio Lower Upper

43 100

70 40.4 32.3 48.5

55 25.2 20.2 30.2

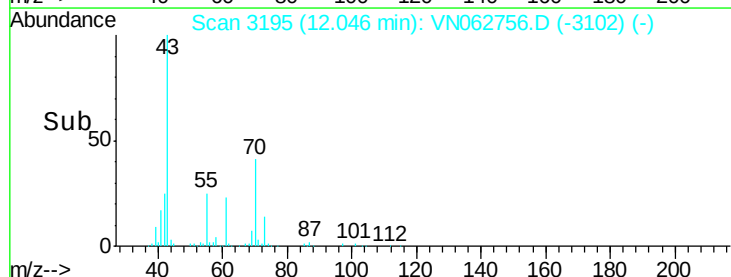
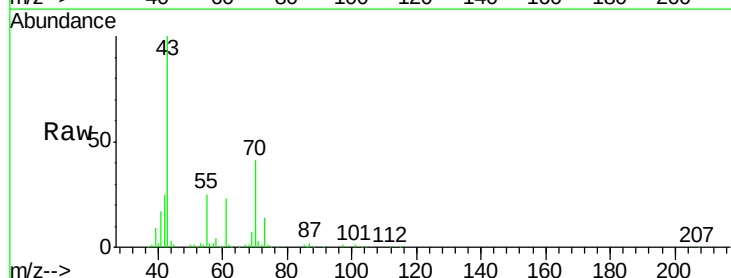
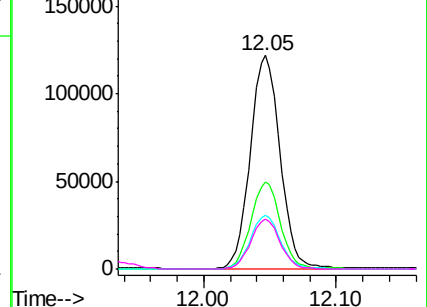
61 22.8 18.2 27.4

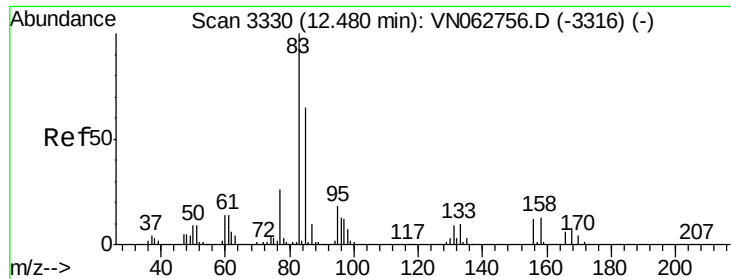
Abundance Ion 43.00 (42.70 to 43.70): V

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: 45.993 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN062756.D

Acq: 5 Aug 2020 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 83 Resp: 145625
Ion Ratio Lower Upper

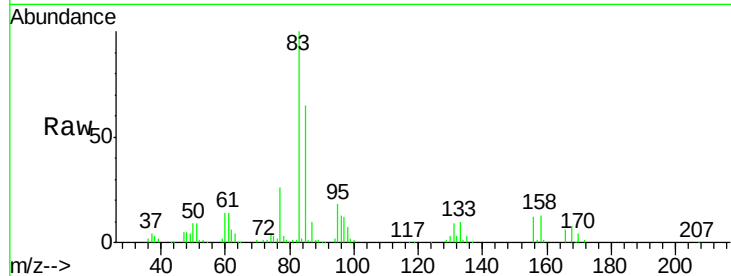
83 100

131 10.3 5.1 15.4

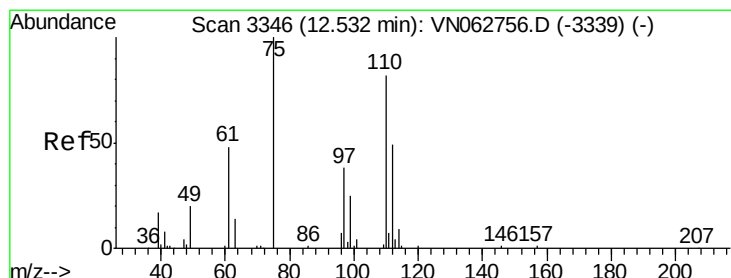
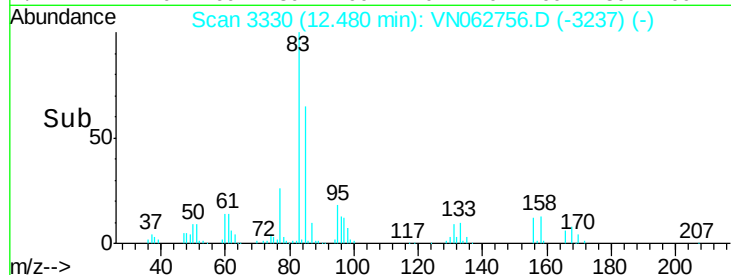
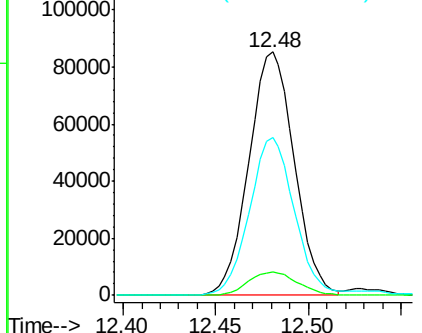
85 63.9 31.9 95.9

Manual Integrations
APPROVED

MMDadoda
8/6/2020 1:51:46 PM



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



#76

1,2,3-Trichloropropane

Concen: 50.609 ug/l m

RT: 12.53 min Scan# 3346

Delta R.T. 0.00 min

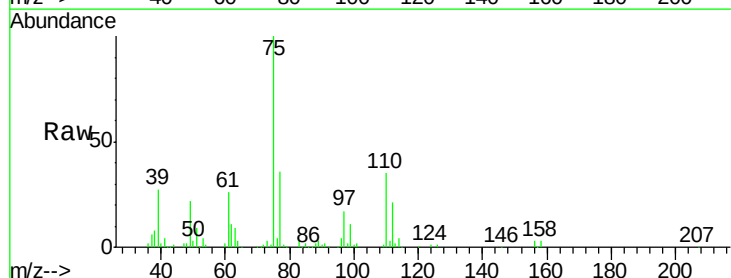
Lab File: VN062756.D

Acq: 5 Aug 2020 12:15

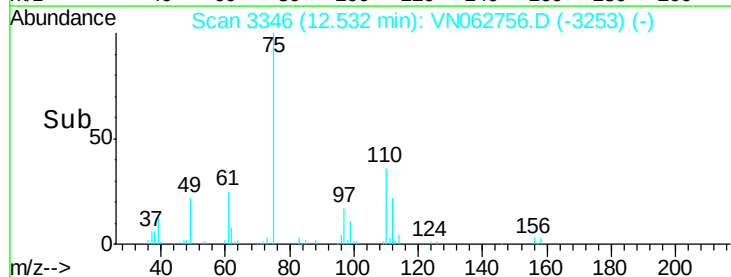
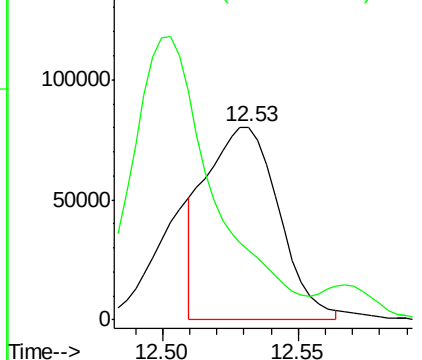
Tgt Ion: 75 Resp: 150292
Ion Ratio Lower Upper

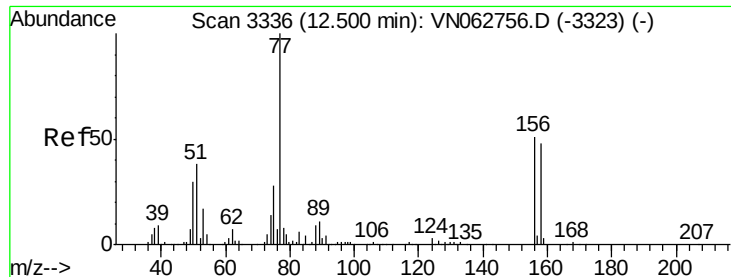
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 47.319 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN062756.D

Acq: 5 Aug 2020 12:15

Instrument :

MSVOA_N

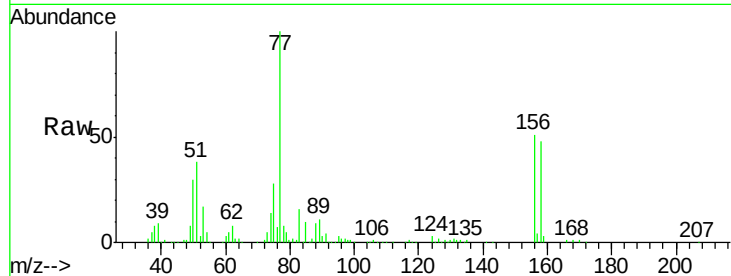
ClientSampled :

VSTDICCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	239.4	119.7	359.1
158	96.2	48.1	144.3

Manual Integrations
APPROVED

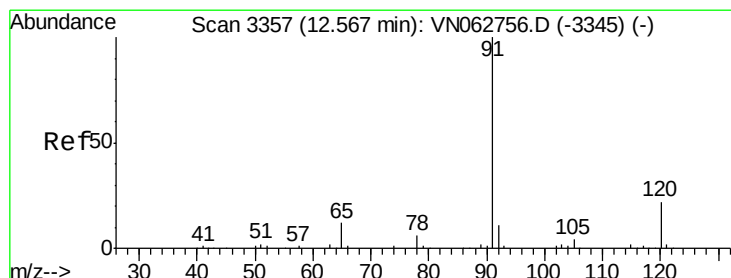
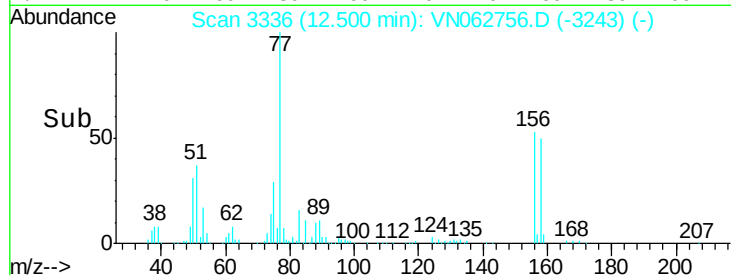
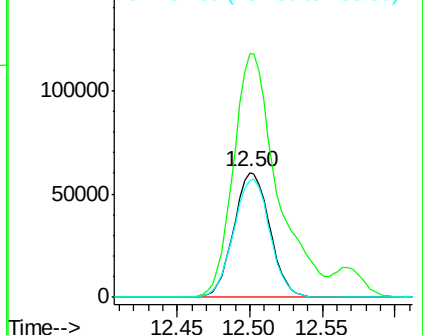
MMDadoda
8/6/2020 1:51:46 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.768 ug/l

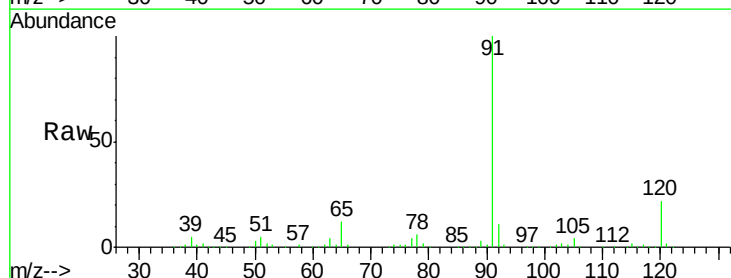
RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN062756.D

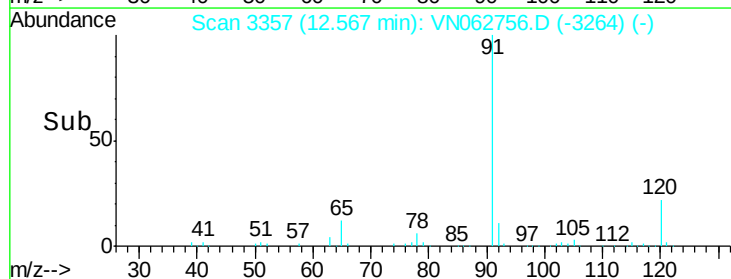
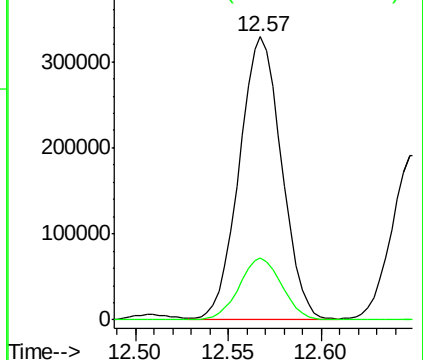
Acq: 5 Aug 2020 12:15

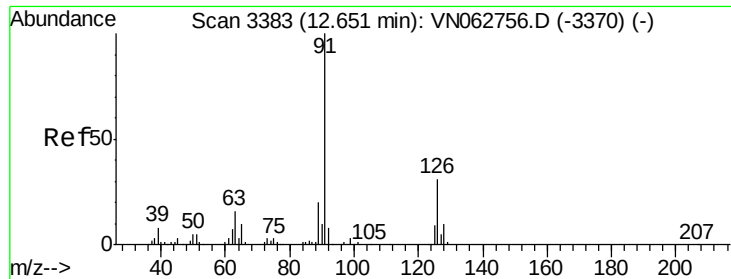
Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.9	10.9	32.9



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.353 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. 0.00 min

Lab File: VN062756.D

Acq: 5 Aug 2020 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 319316

Ion Ratio Lower Upper

91 100

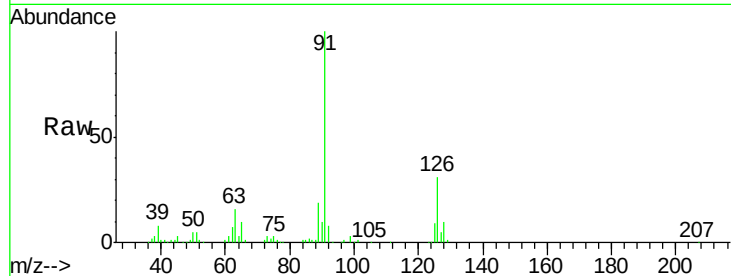
126 31.1 15.6 46.7

Manual Integrations

APPROVED

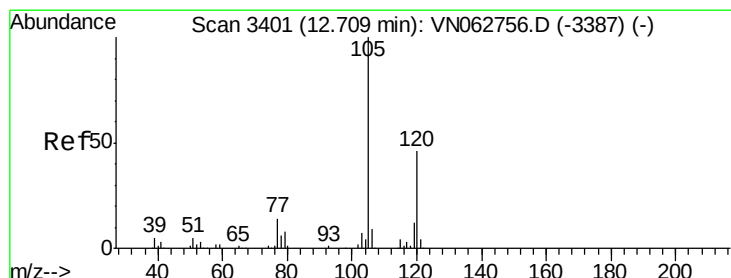
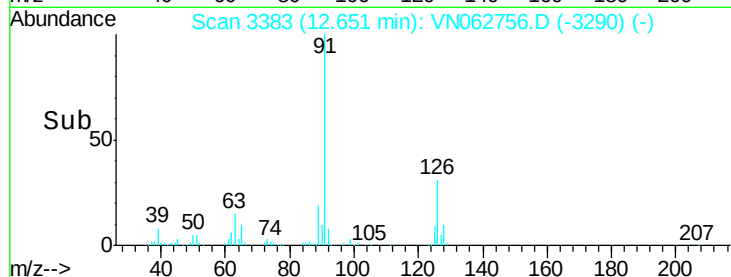
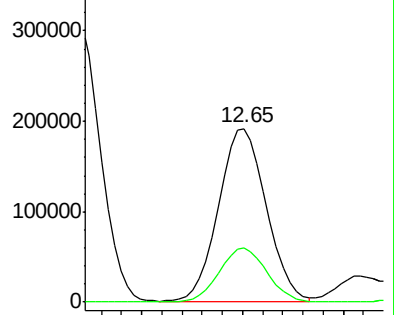
MMDadoda

8/6/2020 1:51:46 PM



Abundance Ion 91.00 (90.70 to 91.70): VN062756.D (-3370) (-)

Ion 125.90 (125.60 to 126.60): VN062756.D (-3370) (-)



#80

1,3,5-Trimethylbenzene

Concen: 51.639 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN062756.D

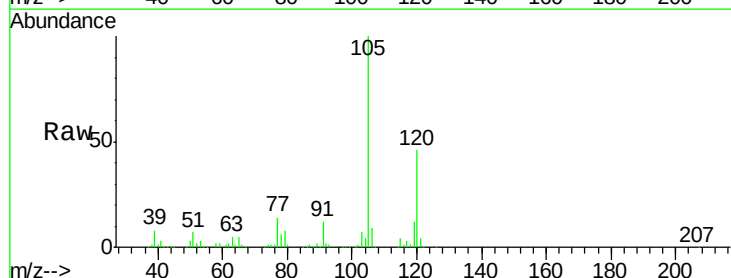
Acq: 5 Aug 2020 12:15

Tgt Ion:105 Resp: 393439

Ion Ratio Lower Upper

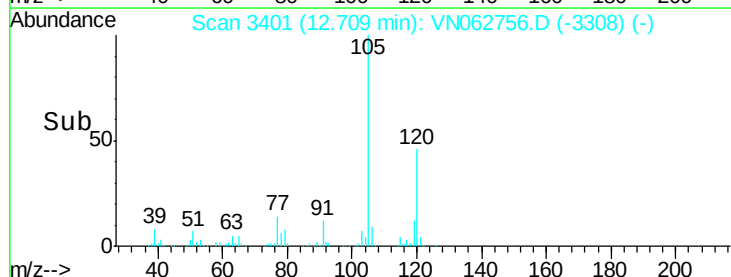
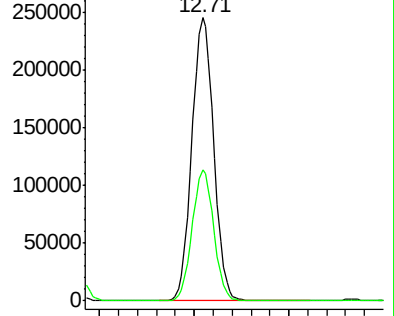
105 100

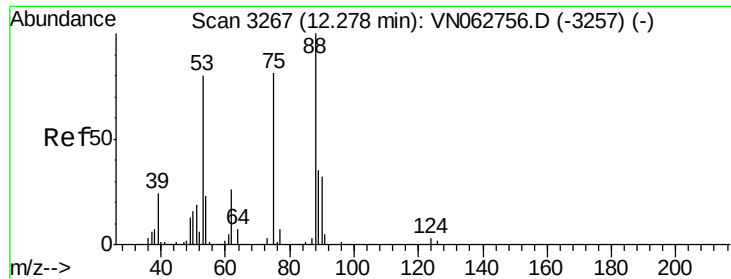
120 45.7 22.9 68.5



Abundance Ion 105.00 (104.70 to 105.70): VN062756.D (-3387) (-)

Ion 120.00 (119.70 to 120.70): VN062756.D (-3387) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 50.277 ug/l

RT: 12.28 min Scan# 3267

Delta R.T. 0.00 min

Lab File: VN062756.D

Acq: 5 Aug 2020 12:15

Instrument :

MSVOA_N

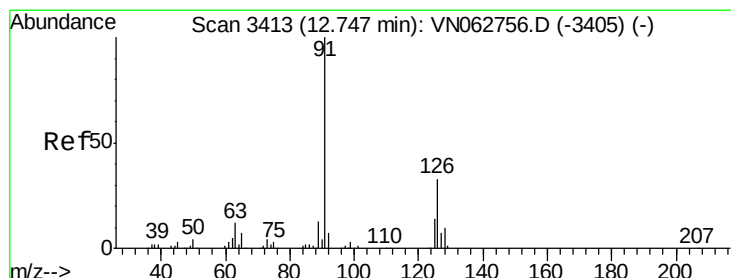
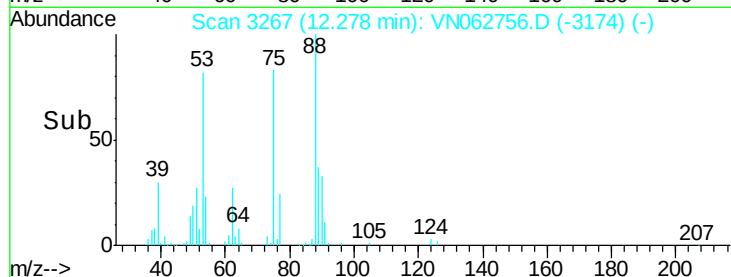
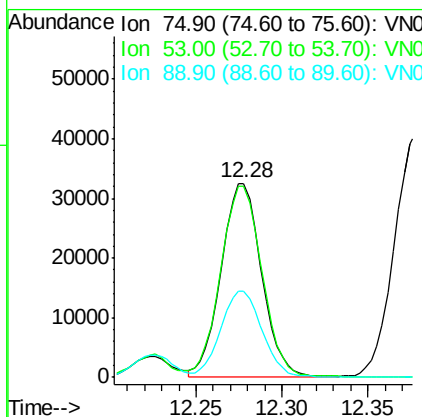
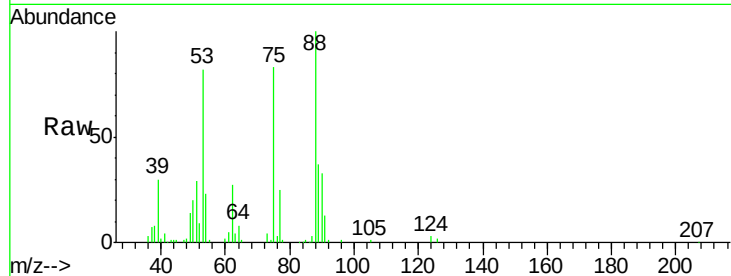
ClientSampled :

VSTDICCC050

Tot Ion:	75	Resp:	53397
Ion	Ratio	Lower	Upper
75	100		
53	98.9	79.1	118.7
89	45.2	36.2	54.2

Manual Integrations
APPROVED

MMDadoda
8/6/2020 1:51:46 PM



#82

4-Chlorotoluene

Concen: 48.266 ug/l

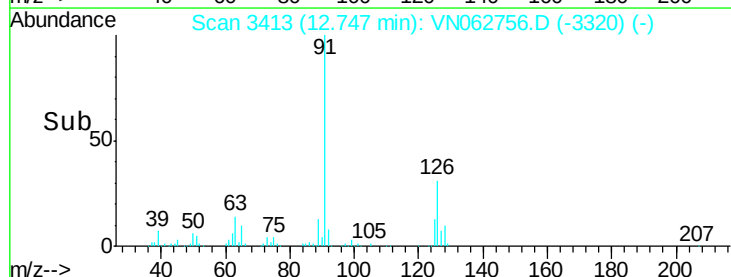
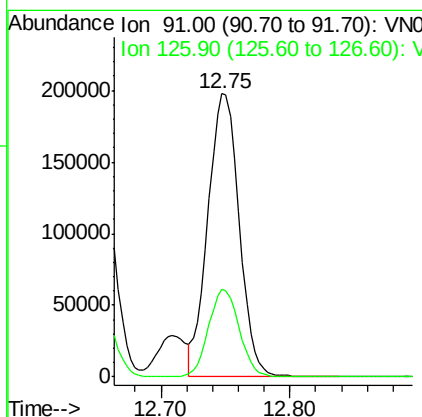
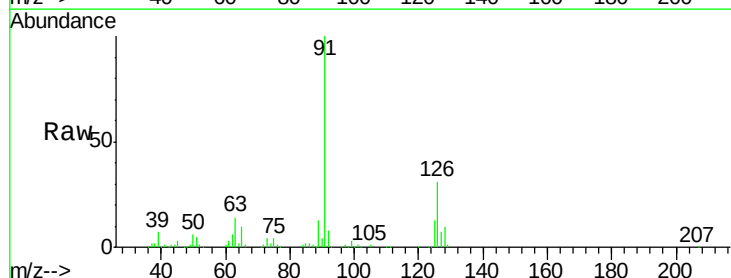
RT: 12.75 min Scan# 3413

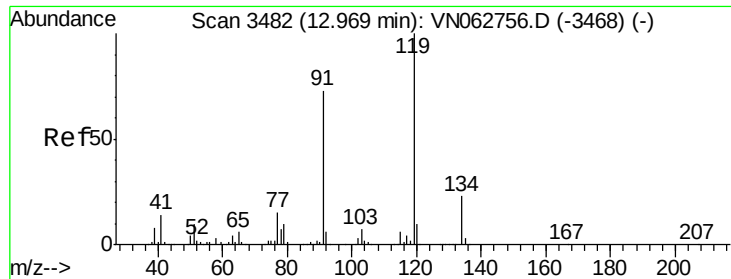
Delta R.T. 0.00 min

Lab File: VN062756.D

Acq: 5 Aug 2020 12:15

Tgt Ion:	91	Resp:	332005
Ion	Ratio	Lower	Upper
91	100		
126	30.6	15.3	45.9





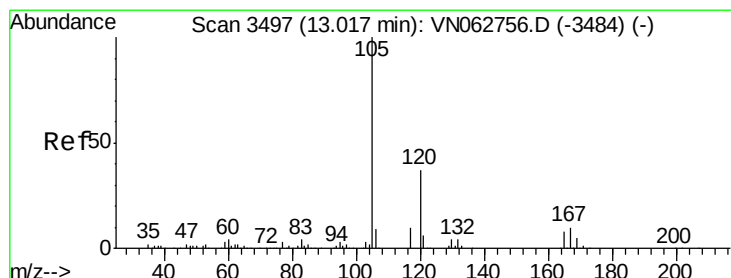
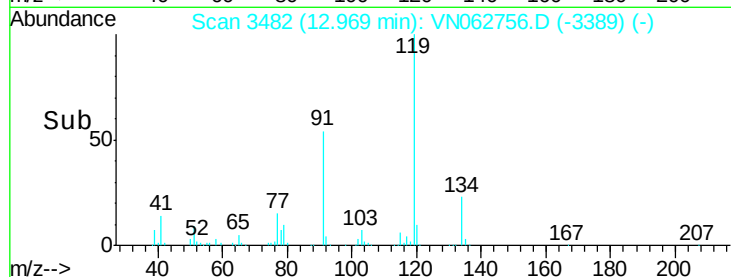
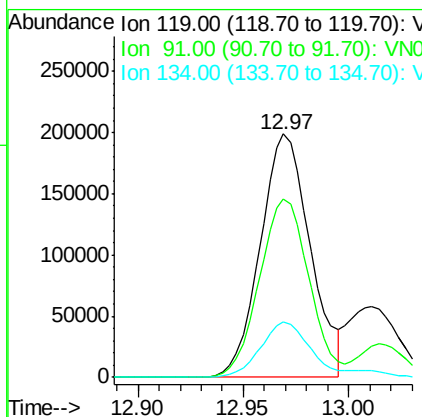
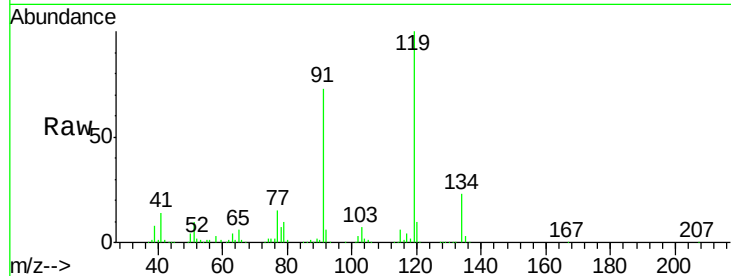
#83
 tert-Butylbenzene
 Concen: 51.722 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. 0.00 min
 Lab File: VN062756.D
 Acq: 5 Aug 2020 12:15

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	73.0	36.5	109.5
134	22.5	11.3	33.8

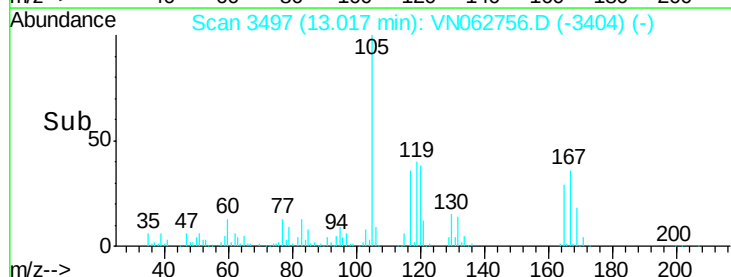
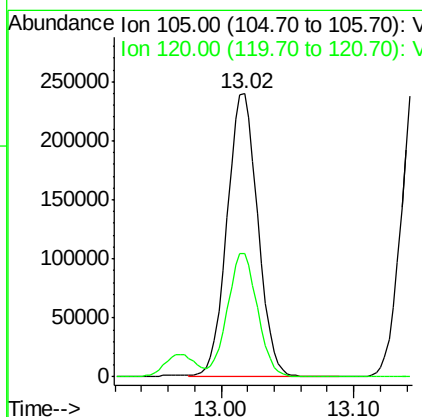
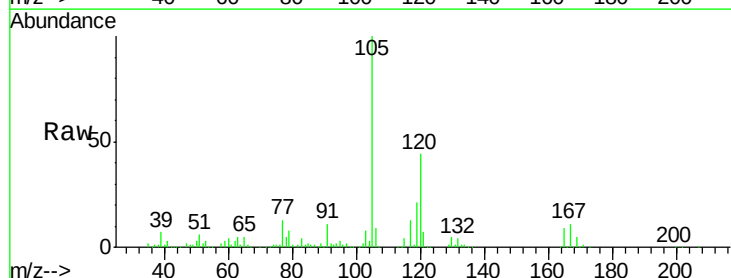
Manual Integrations
 APPROVED

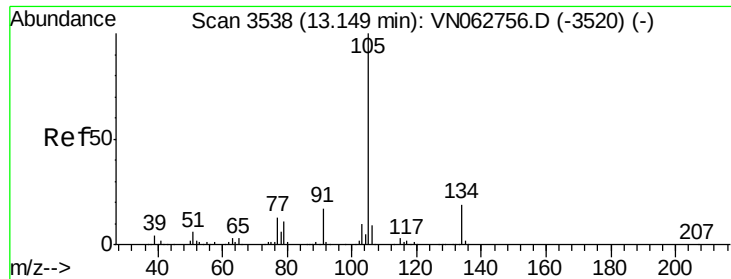
MMDadoda
 8/6/2020 1:51:46 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 51.492 ug/l
 RT: 13.02 min Scan# 3497
 Delta R.T. 0.00 min
 Lab File: VN062756.D
 Acq: 5 Aug 2020 12:15

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.8	21.4	64.2





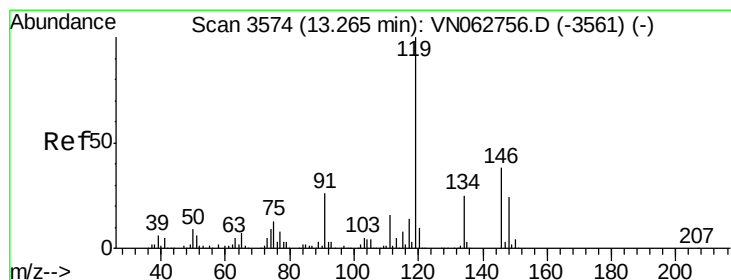
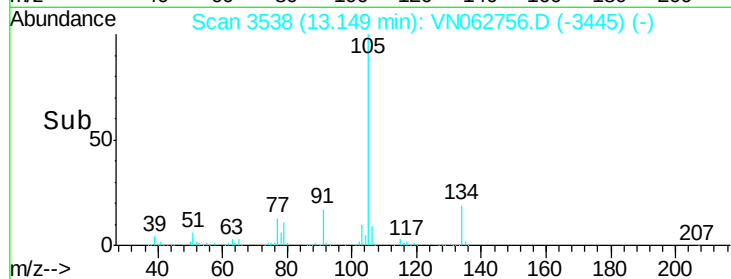
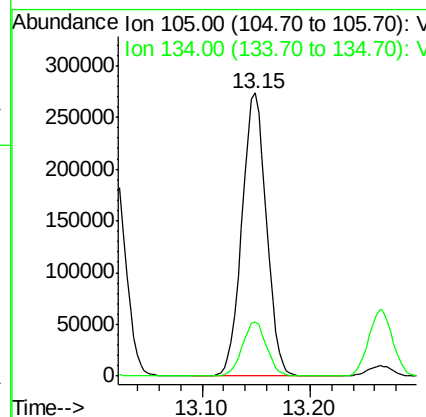
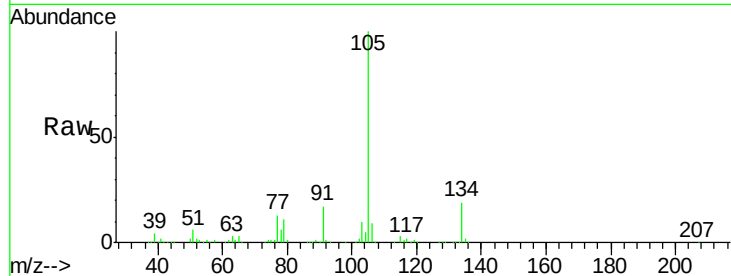
#85
 sec-Butylbenzene
 Concen: 51.035 ug/l
 RT: 13.15 min Scan# 3538
 Delta R.T. 0.00 min
 Lab File: VN062756.D
 Acq: 5 Aug 2020 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.6	28.6

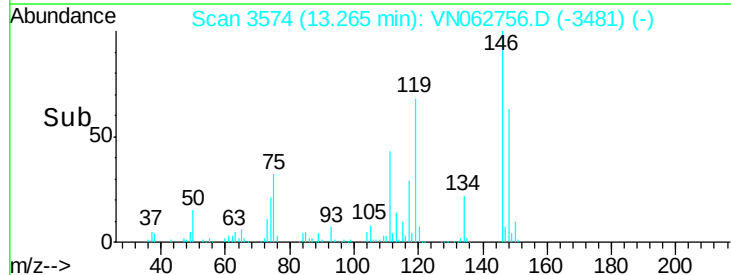
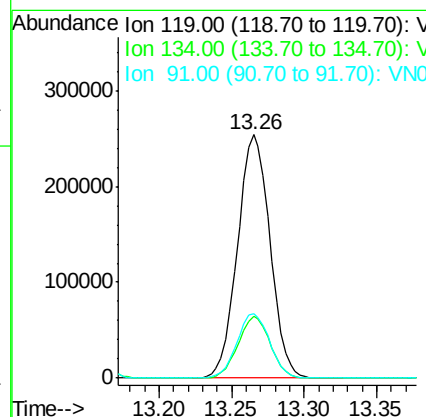
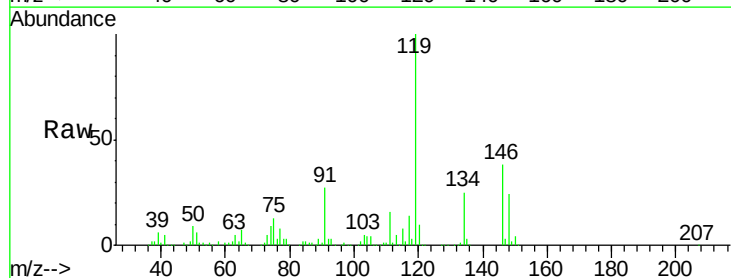
Manual Integrations
 APPROVED

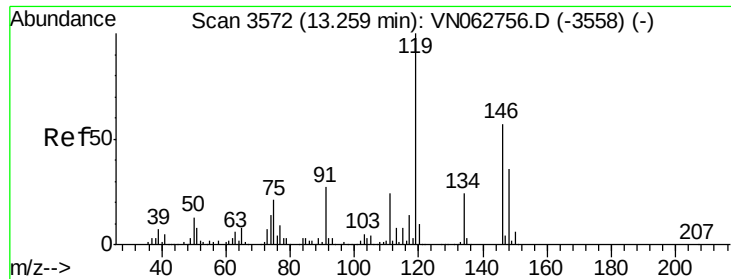
MMDadoda
 8/6/2020 1:51:46 PM



#86
 p-Isopropyltoluene
 Concen: 53.718 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. 0.00 min
 Lab File: VN062756.D
 Acq: 5 Aug 2020 12:15

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.2	12.6	37.8
91	26.8	13.4	40.2





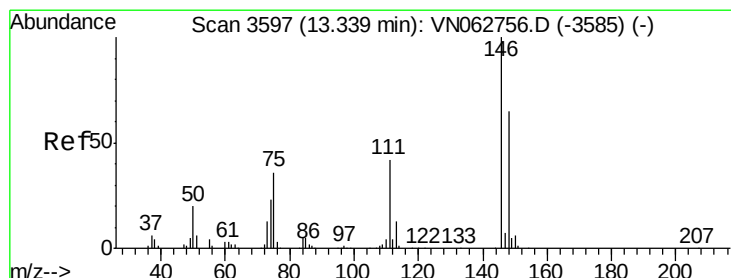
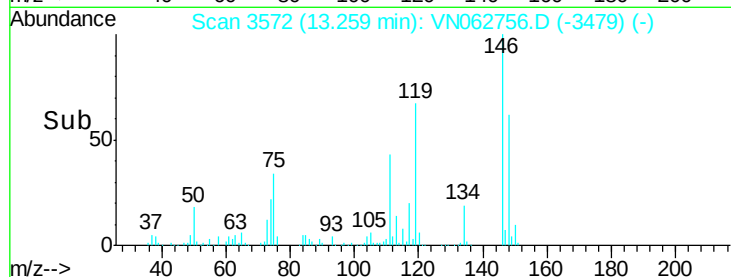
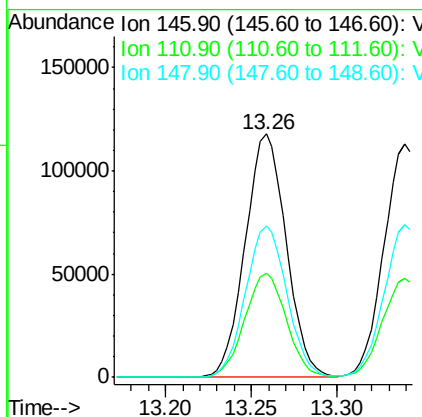
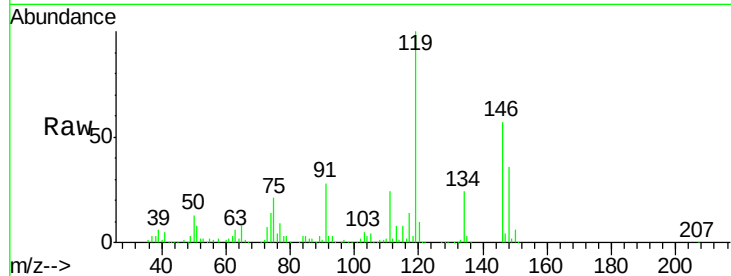
#87
 1,3-Dichlorobenzene
 Concen: 50.071 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN062756.D
 Acq: 5 Aug 2020 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.7	65.1
148	62.8	31.4	94.2

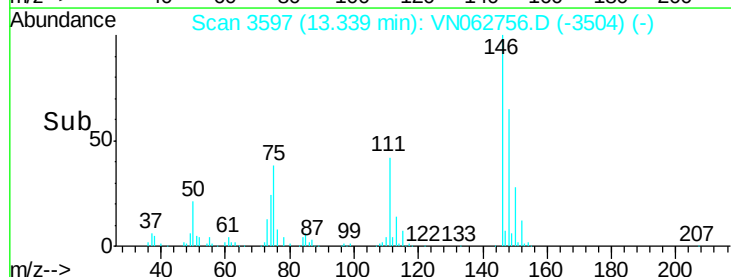
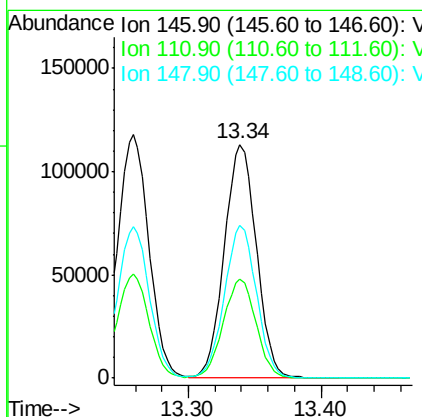
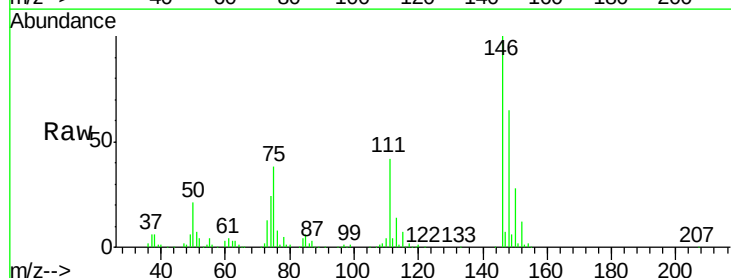
Manual Integrations
 APPROVED

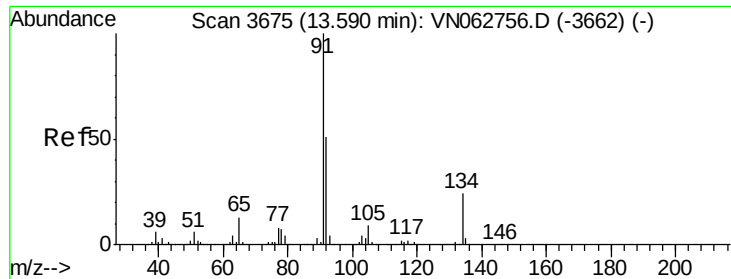
MMDadoda
 8/6/2020 1:51:46 PM



#88
 1,4-Dichlorobenzene
 Concen: 49.655 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN062756.D
 Acq: 5 Aug 2020 12:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.6	64.6
148	65.2	32.6	97.8





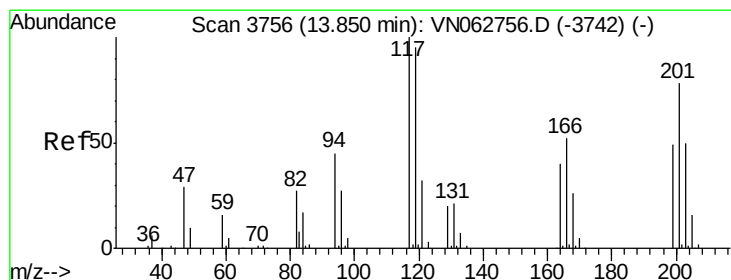
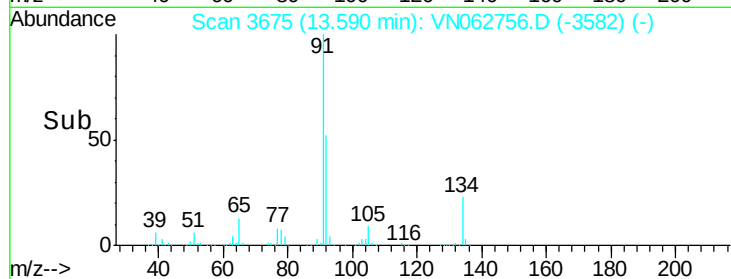
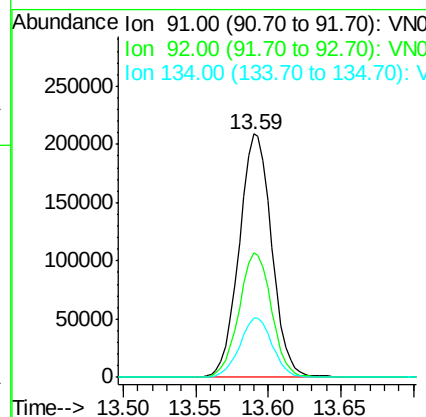
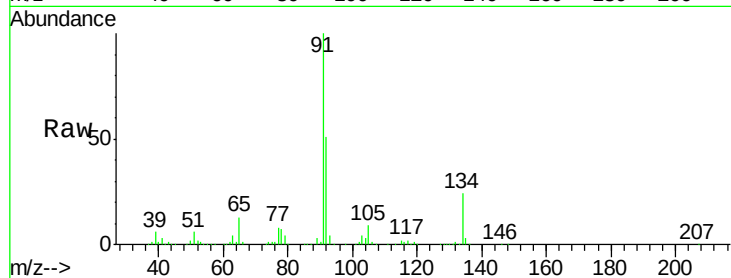
#89
n-Butylbenzene
Concen: 51.788 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN062756.D
Acq: 5 Aug 2020 12:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.3	25.7	77.0
134	24.4	12.2	36.6

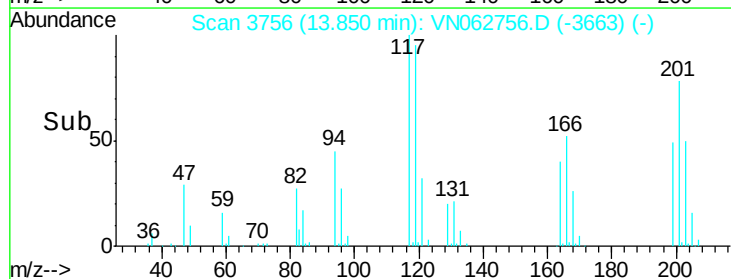
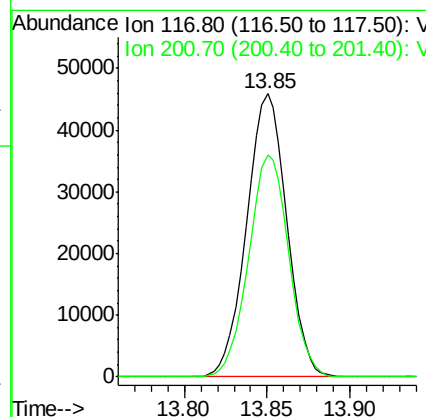
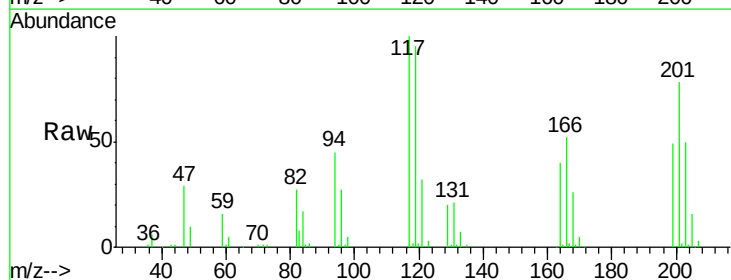
Manual Integrations
APPROVED

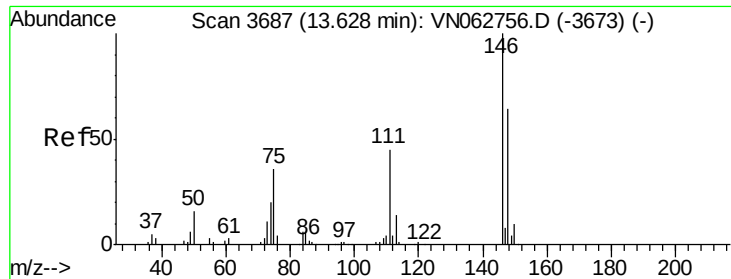
MMDadoda
8/6/2020 1:51:46 PM



#90
Hexachloroethane
Concen: 49.412 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. 0.00 min
Lab File: VN062756.D
Acq: 5 Aug 2020 12:15

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.4	39.2	117.6





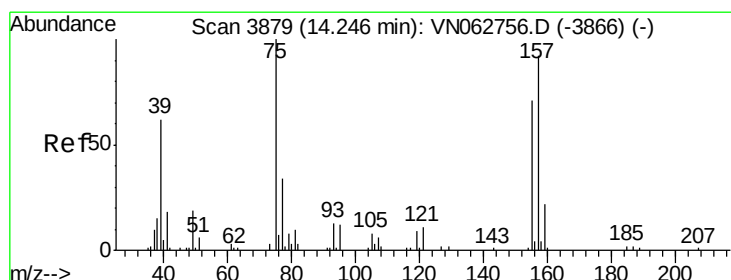
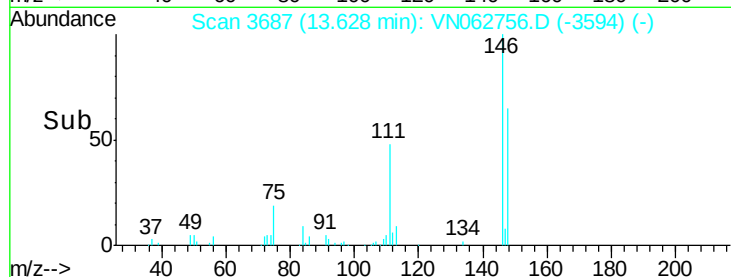
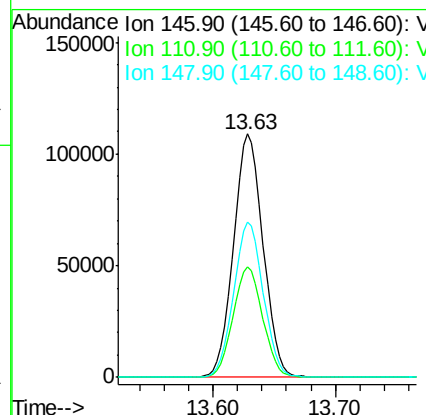
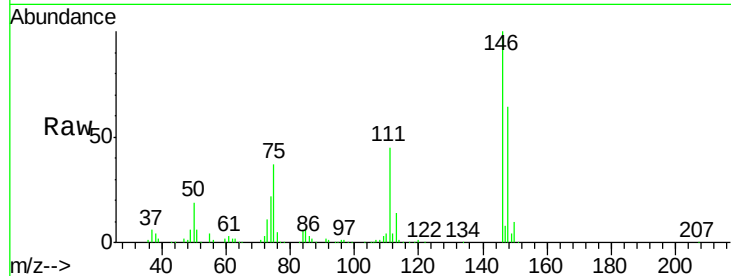
#91
 1,2-Dichlorobenzene
 Concen: 49.849 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN062756.D
 Acq: 5 Aug 2020 12:15

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.6	22.8	68.4
148	63.7	31.9	95.5

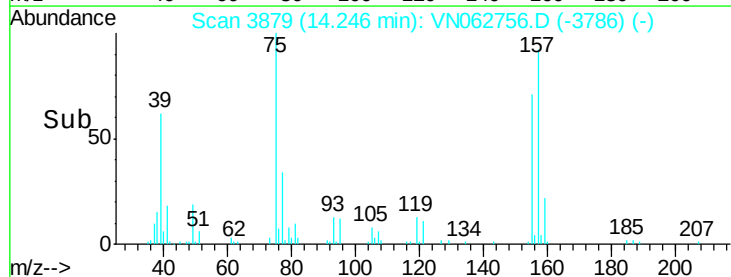
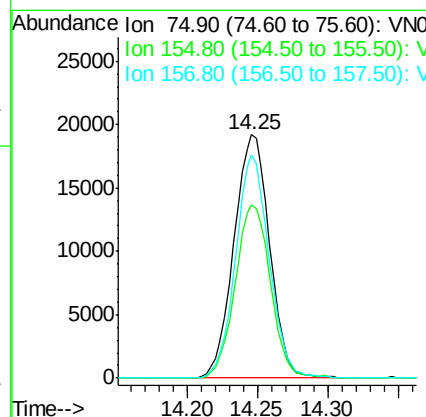
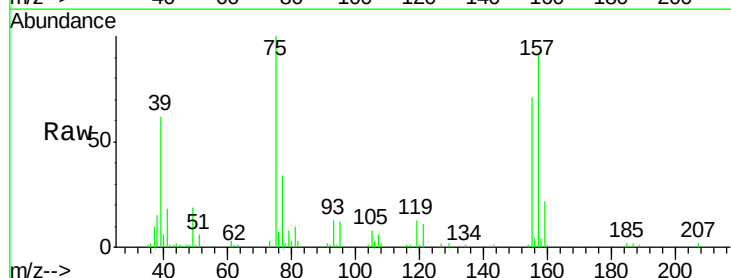
Manual Integrations
 APPROVED

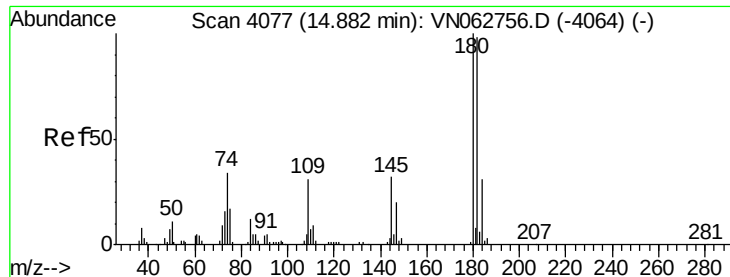
MMDadoda
 8/6/2020 1:51:46 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.082 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN062756.D
 Acq: 5 Aug 2020 12:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	70.1	35.0	105.1
157	86.4	43.2	129.6





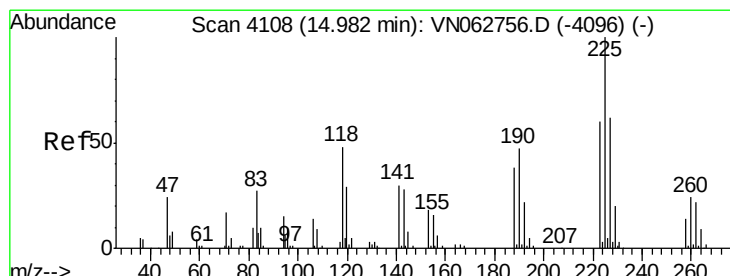
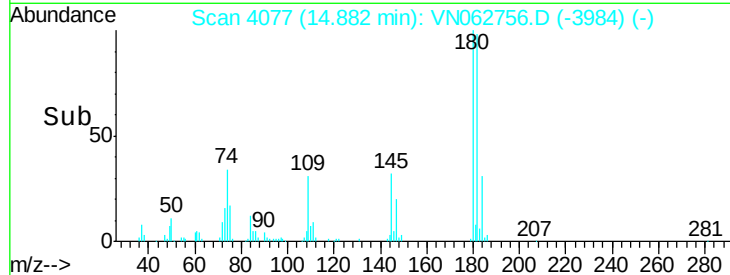
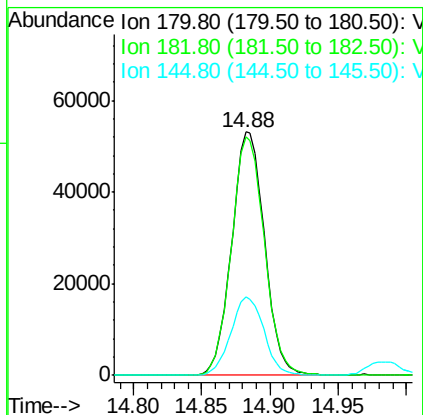
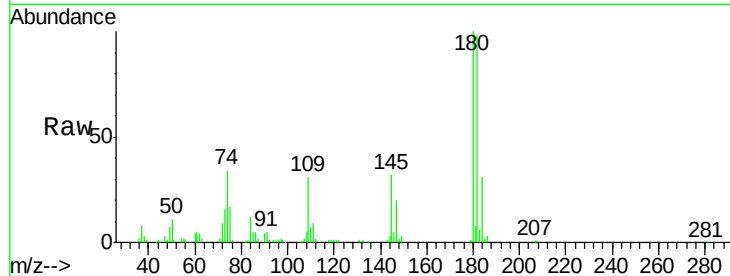
#93
 1,2,4-Trichlorobenzene
 Concen: 51.843 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN062756.D
 Acq: 5 Aug 2020 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	98.3	49.1	147.4	
145	32.5	16.3	48.8	

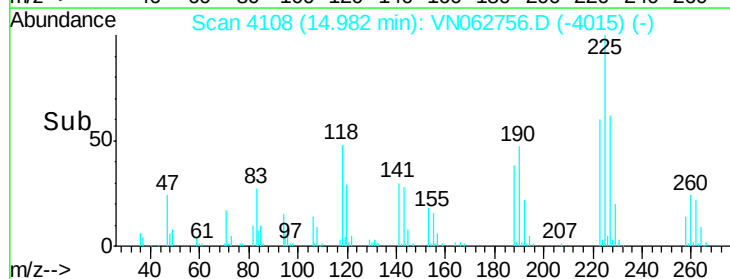
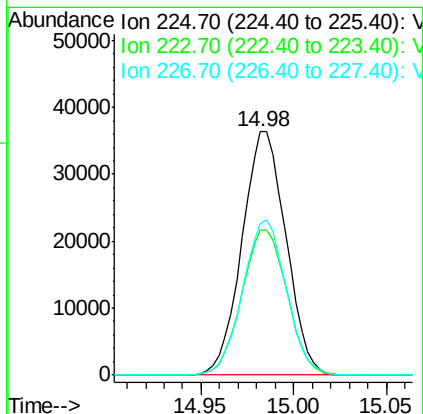
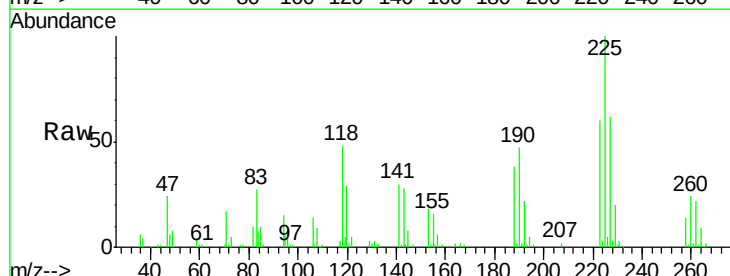
Manual Integrations
 APPROVED

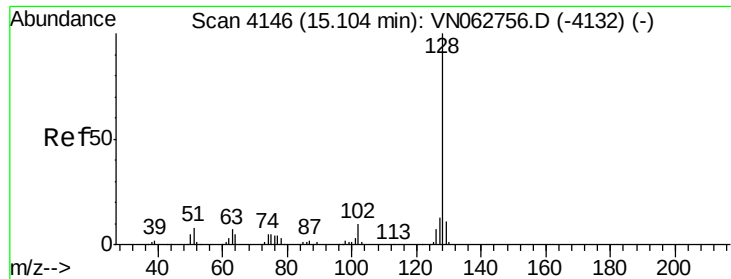
MMDadoda
 8/6/2020 1:51:46 PM



#94
 Hexachlorobutadiene
 Concen: 52.829 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. 0.00 min
 Lab File: VN062756.D
 Acq: 5 Aug 2020 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.3	30.6	92.0	
227	63.3	31.6	95.0	





#95

Naphthalene

Concen: 50.734 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN062756.D

Acq: 5 Aug 2020 12:15

Instrument :

MSVOA_N

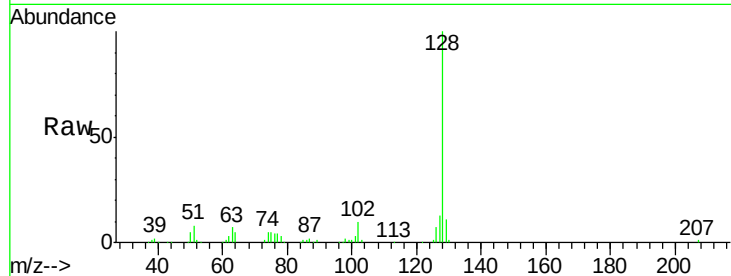
ClientSampleId :

VSTDICCC050

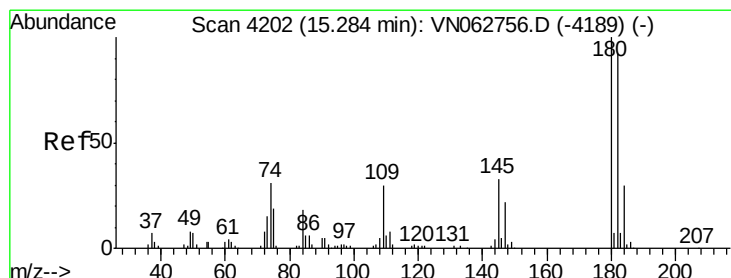
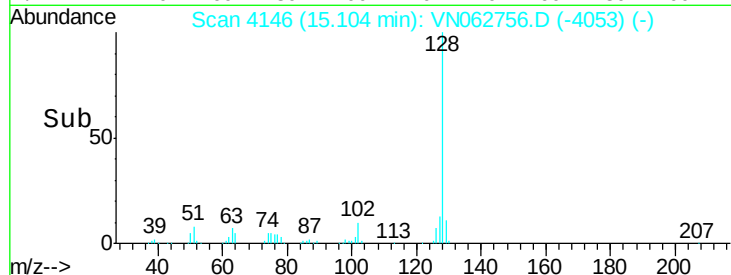
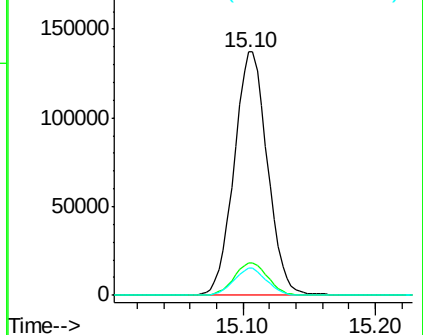
Tot Ion:	128	Resp:	240070
Ion Ratio		Lower	Upper
128	100		
127	13.5	10.8	16.2
129	11.0	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/6/2020 1:51:46 PM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 51.589 ug/l

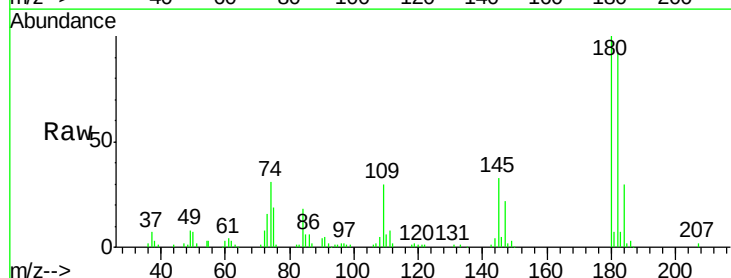
RT: 15.28 min Scan# 4202

Delta R.T. 0.00 min

Lab File: VN062756.D

Acq: 5 Aug 2020 12:15

Tgt Ion:	180	Resp:	90204
Ion Ratio		Lower	Upper
180	100		
182	95.7	47.9	143.6
145	34.5	17.3	51.7



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

