

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061720\
 Data File : VN061863.D
 Acq On : 17 Jun 2020 21:04
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/18/2020 9:37:37 AM

Quant Time: Jun 18 06:39:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 17 01:19:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	168557	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	290420	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	276609	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	135491	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	109132	48.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.56%	
35) Dibromofluoromethane	7.55	113	95369	51.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.66%	
50) Toluene-d8	10.06	98	367666	50.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.68%	
62) 4-Bromofluorobenzene	12.38	95	124784	49.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	104423	47.626	ug/l	97
3) Chloromethane	2.03	50	109363	46.743	ug/l	99
4) Vinyl Chloride	2.16	62	137548	49.315	ug/l	99
5) Bromomethane	2.52	94	98615	46.041	ug/l	97
6) Chloroethane	2.67	64	91993	48.734	ug/l	100
7) Trichlorofluoromethane	2.98	101	168321	50.522	ug/l	97
8) Diethyl Ether	3.37	74	53262	47.554	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	81234	47.527	ug/l	99
10) Methyl Iodide	3.91	142	95560	46.716	ug/l	98
11) Tert butyl alcohol	4.74	59	65931	210.763	ug/l	99
12) 1,1-Dichloroethene	3.69	96	82541	48.196	ug/l	97
13) Acrolein	3.56	56	39857	213.179	ug/l	99
14) Allyl chloride	4.27	41	104266	45.871	ug/l	99
15) Acrylonitrile	4.93	53	184675	238.254	ug/l	100
16) Acetone	3.77	43	143628	215.096	ug/l	100
17) Carbon Disulfide	4.01	76	233007	46.498	ug/l	99
18) Methyl Acetate	4.27	43	87962	45.755	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	264758	46.430	ug/l	99
20) Methylene Chloride	4.50	84	96214	44.226	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	90859	46.188	ug/l	99
22) Diisopropyl ether	5.90	45	233268	44.872	ug/l	99
23) Vinyl Acetate	5.84	43	936326	229.006	ug/l	100
24) 1,1-Dichloroethane	5.80	63	153394	45.076	ug/l	99
25) 2-Butanone	6.78	43	224239	230.170	ug/l	97
26) 2,2-Dichloropropane	6.78	77	120991	42.259	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	105961	46.683	ug/l	98
28) Bromochloromethane	7.15	49	75492	49.823	ug/l	97
29) Tetrahydrofuran	7.17	42	150135	234.165	ug/l	99
30) Chloroform	7.33	83	165166	45.414	ug/l	97
31) Cyclohexane	7.61	56	132482	44.471	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	145665	47.029	ug/l	99
36) 1,1-Dichloropropene	7.75	75	124205	46.888	ug/l	99
37) Ethyl Acetate	6.88	43	94690	45.776	ug/l	98
38) Carbon Tetrachloride	7.73	117	127810	48.723	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061720\
 Data File : VN061863.D
 Acq On : 17 Jun 2020 21:04
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/18/2020 9:37:37 AM

Quant Time: Jun 18 06:39:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 17 01:19:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	140875	49.389	ug/l	99
40) Benzene	8.00	78	380044	47.362	ug/l	99
41) Methacrylonitrile	7.14	41	45494m	51.432	ug/l	
42) 1,2-Dichloroethane	8.08	62	127047	46.434	ug/l	100
43) Isopropyl Acetate	8.13	43	164758	47.262	ug/l	99
44) Trichloroethene	8.80	130	101525	48.075	ug/l	95
45) 1,2-Dichloropropane	9.09	63	92865	47.092	ug/l	97
46) Dibromomethane	9.18	93	67799	48.824	ug/l	98
47) Bromodichloromethane	9.37	83	134793	47.405	ug/l	100
48) Methyl methacrylate	9.17	41	74314	46.876	ug/l	99
49) 1,4-Dioxane	9.17	88	35587	977.742	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	495073	240.324	ug/l	100
52) Toluene	10.12	92	245682	48.751	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	143266	47.462	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	155832	47.530	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	95575	48.202	ug/l	98
56) Ethyl methacrylate	10.40	69	132031	43.966	ug/l	100
57) 1,3-Dichloropropane	10.68	76	160747	47.854	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.66	63	256671	245.279	ug/l	98
59) 2-Hexanone	10.72	43	356044	218.143	ug/l	100
60) Dibromochloromethane	10.87	129	109487	49.486	ug/l	100
61) 1,2-Dibromoethane	10.98	107	100249	48.420	ug/l	99
64) Tetrachloroethene	10.60	164	85960	48.757	ug/l	99
65) Chlorobenzene	11.41	112	266957	45.738	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	97274	47.786	ug/l	100
67) Ethyl Benzene	11.48	91	464225	47.438	ug/l	100
68) m/p-Xylenes	11.59	106	365114	96.758	ug/l	100
69) o-Xylene	11.92	106	175472	48.736	ug/l	100
70) Styrene	11.94	104	297736	49.387	ug/l	99
71) Bromoform	12.10	173	72740	49.007	ug/l #	99
73) Isopropylbenzene	12.22	105	458223	47.592	ug/l	99
74) N-amyl acetate	12.05	43	143284	41.639	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	141346	45.154	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	123183m	46.309	ug/l	
77) Bromobenzene	12.50	156	113140	46.578	ug/l	97
78) n-propylbenzene	12.56	91	519168	47.257	ug/l	100
79) 2-Chlorotoluene	12.65	91	304530	46.153	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	382696	48.044	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	43793	44.903	ug/l	99
82) 4-Chlorotoluene	12.75	91	316640	46.442	ug/l	100
83) tert-Butylbenzene	12.97	119	319435	47.303	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	385851	49.071	ug/l	100
85) sec-Butylbenzene	13.15	105	426323	48.233	ug/l	100
86) p-Isopropyltoluene	13.26	119	387660	49.219	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	205958	46.489	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	206732	45.587	ug/l	100
89) n-Butylbenzene	13.59	91	311115	47.298	ug/l	100
90) Hexachloroethane	13.85	117	68464	47.487	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	201138	47.160	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	24353	47.921	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061720\
Data File : VN061863.D
Acq On : 17 Jun 2020 21:04
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
6/18/2020 9:37:37 AM

Quant Time: Jun 18 06:39:56 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 17 01:19:44 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	95633	47.518	ug/l	99
94) Hexachlorobutadiene	14.99	225	36608	46.184	ug/l	96
95) Naphthalene	15.10	128	279396	42.051	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	96680	48.505	ug/l	99

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

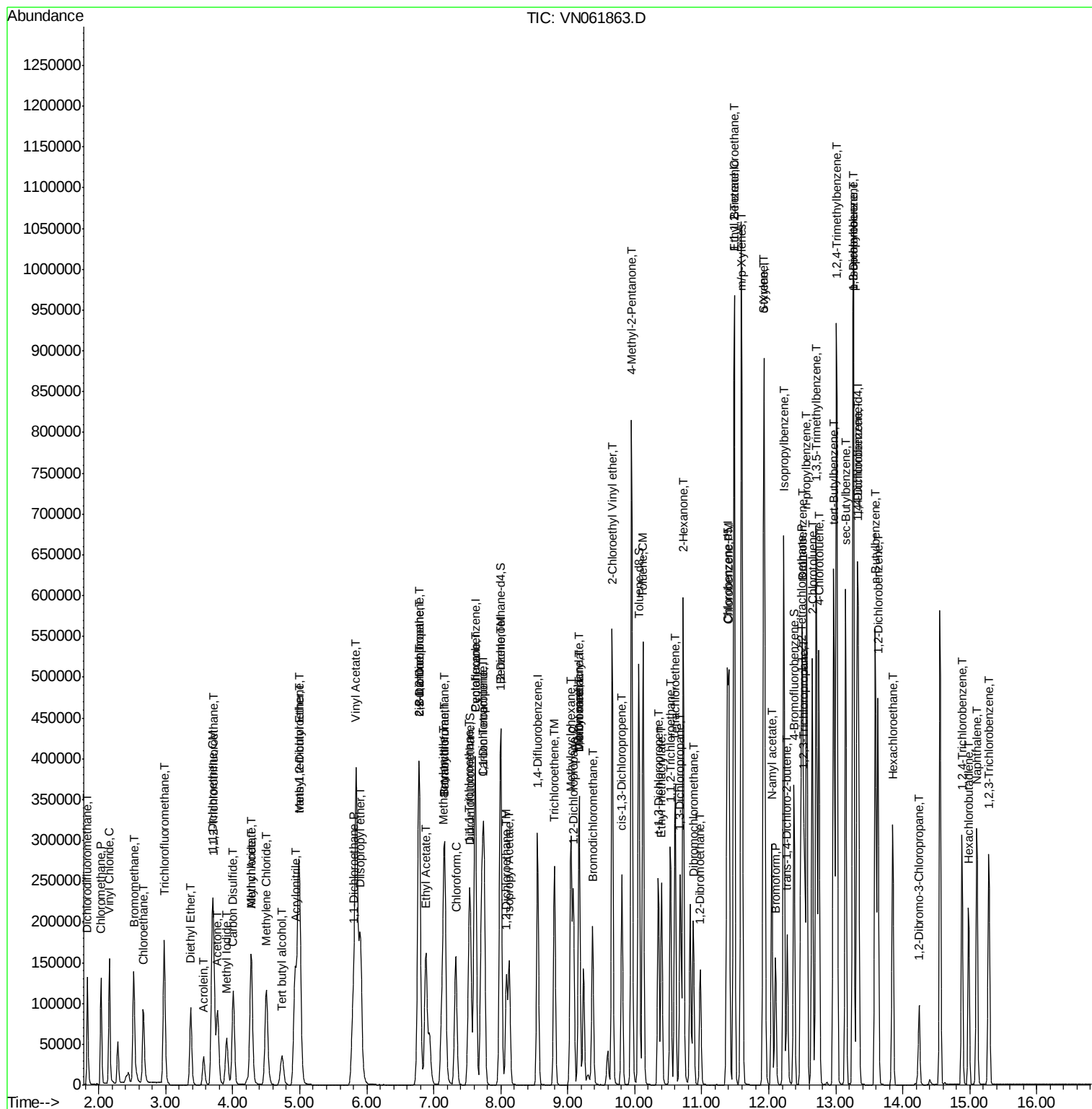
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN061720\
Data File : VN061863.D
Acq On : 17 Jun 2020 21:04
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 26 Sample Multiplier: 1

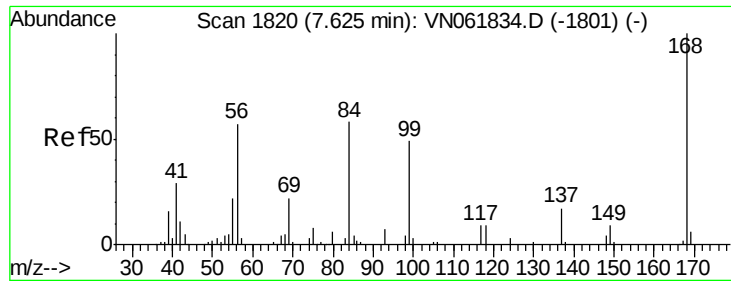
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
6/18/2020 9:37:37 AM

Quant Time: Jun 18 06:39:56 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 17 01:19:44 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN061863.D

Acq: 17 Jun 2020 21:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 168557

Ion Ratio Lower Upper

168 100

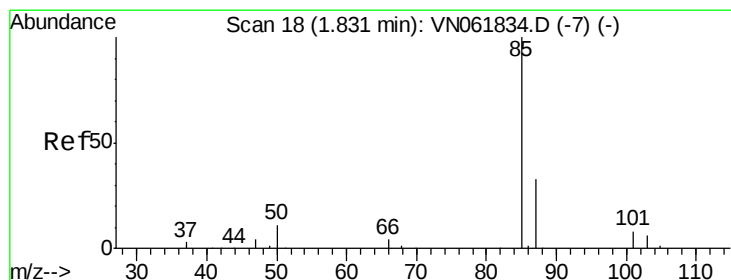
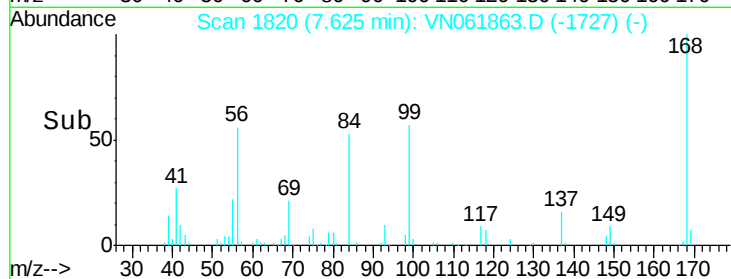
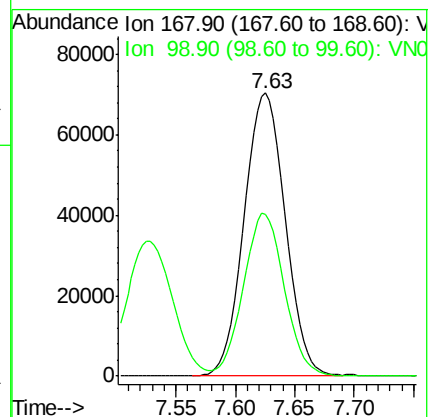
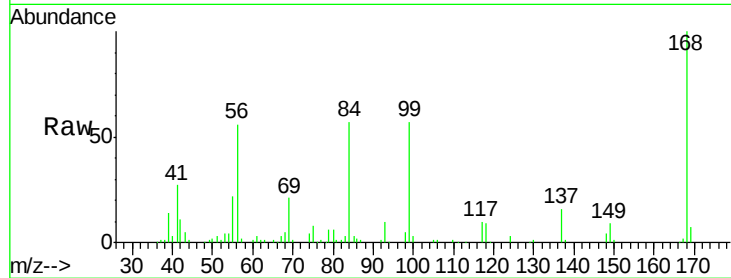
99 57.0 44.6 67.0

Manual Integrations

APPROVED

MMDadoda

6/18/2020 9:37:37 AM



#2

Dichlorodifluoromethane

Concen: 47.626 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061863.D

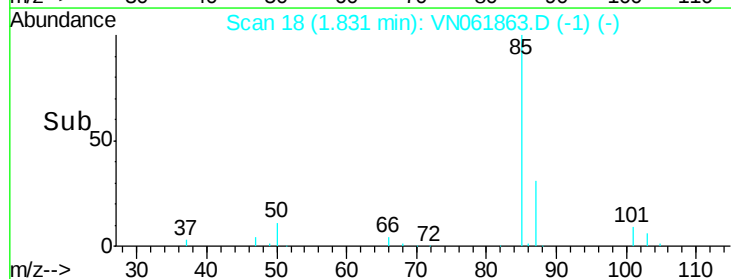
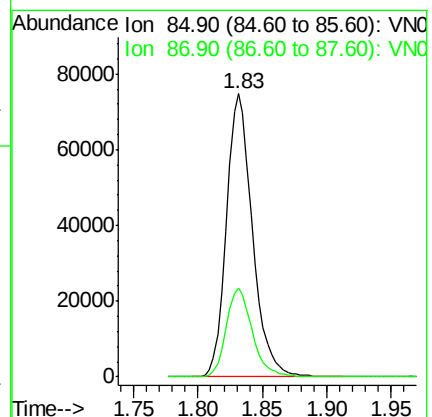
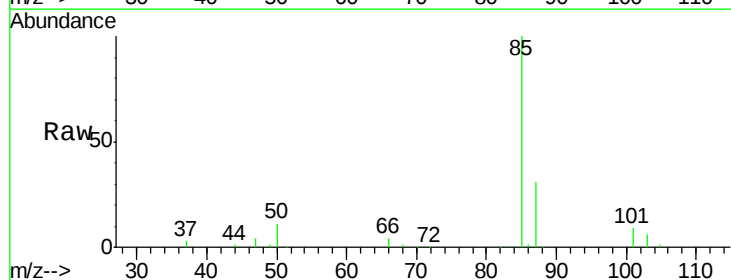
Acq: 17 Jun 2020 21:04

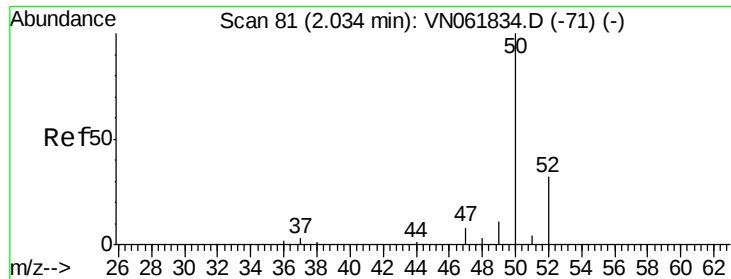
Tgt Ion: 85 Resp: 104423

Ion Ratio Lower Upper

85 100

87 31.2 16.6 49.8





#3

Chloromethane

Concen: 46.743 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN061863.D

Acq: 17 Jun 2020 21:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 109363

Ion Ratio Lower Upper

50 100

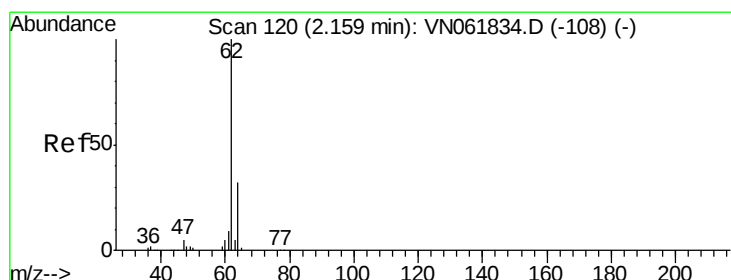
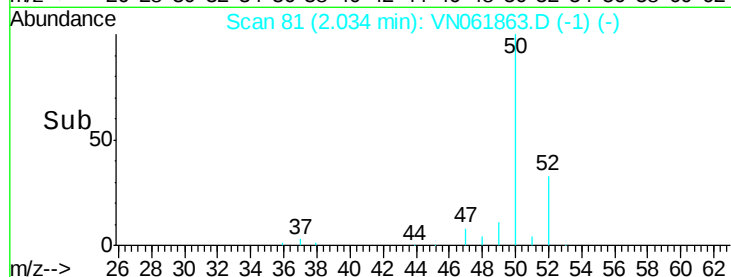
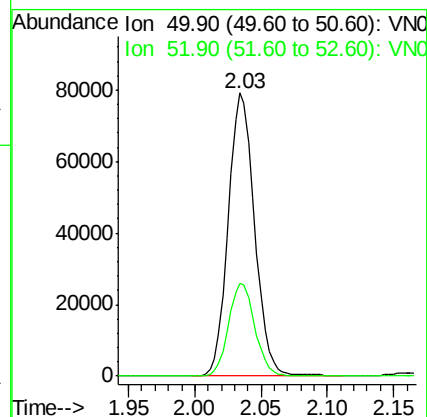
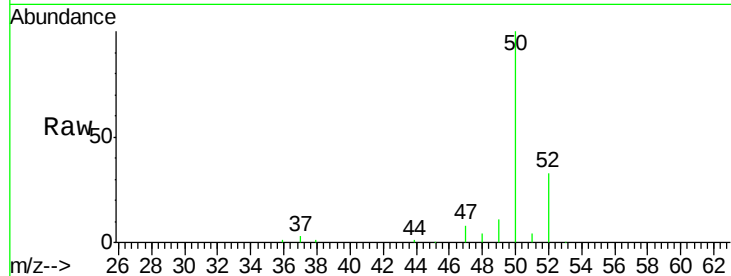
52 32.9 26.0 39.0

Manual Integrations

APPROVED

MMDadoda

6/18/2020 9:37:37 AM



#4

Vinyl Chloride

Concen: 49.315 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN061863.D

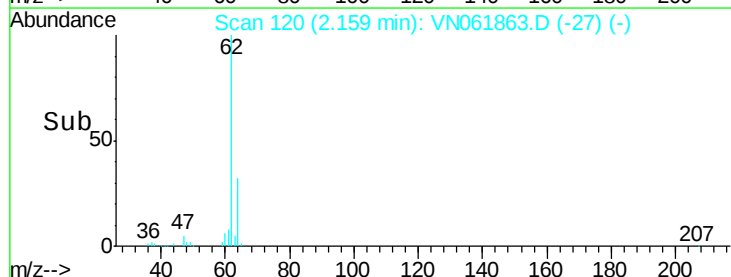
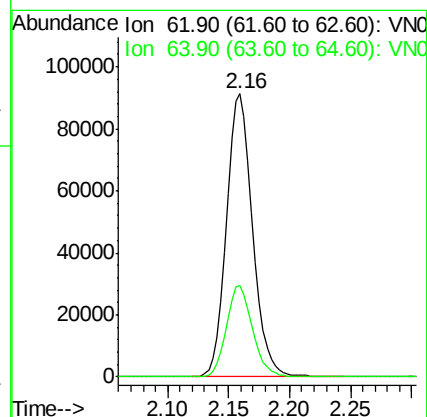
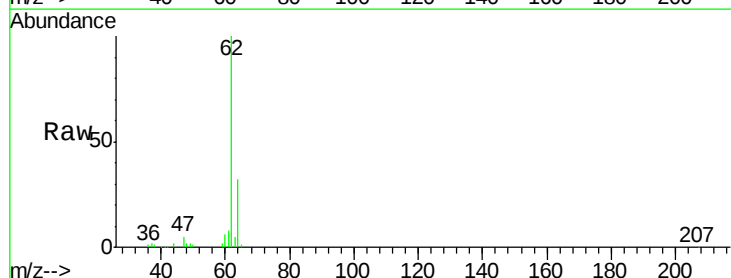
Acq: 17 Jun 2020 21:04

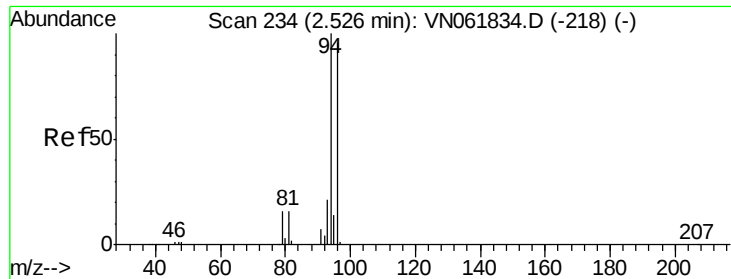
Tgt Ion: 62 Resp: 137548

Ion Ratio Lower Upper

62 100

64 32.2 25.5 38.3





#5

Bromomethane

Concen: 46.041 ug/l

RT: 2.52 min Scan# 233

Delta R.T. -0.00 min

Lab File: VN061863.D

Acq: 17 Jun 2020 21:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 98615

Ion Ratio Lower Upper

94 100

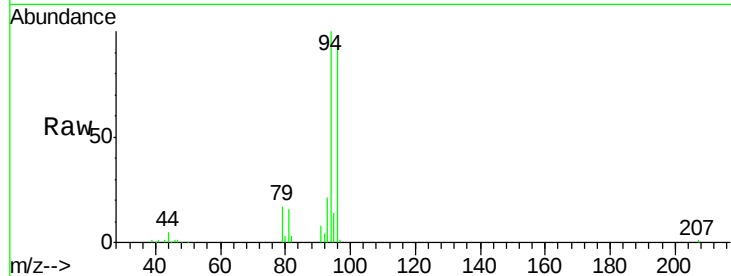
96 92.8 76.7 115.1

Manual Integrations

APPROVED

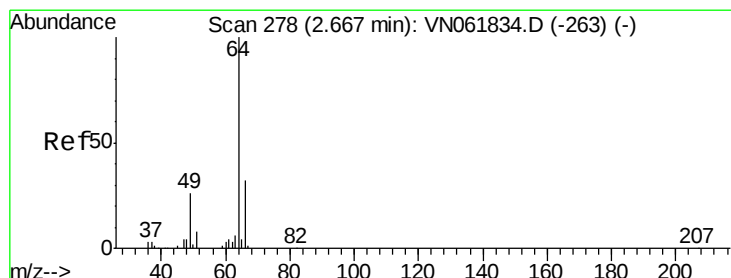
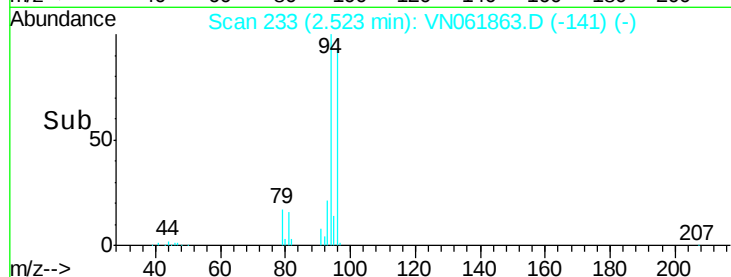
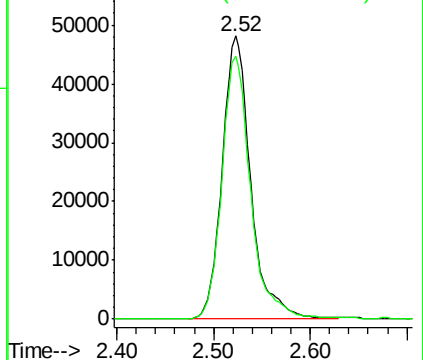
MMDadoda

6/18/2020 9:37:37 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 48.734 ug/l

RT: 2.67 min Scan# 278

Delta R.T. -0.00 min

Lab File: VN061863.D

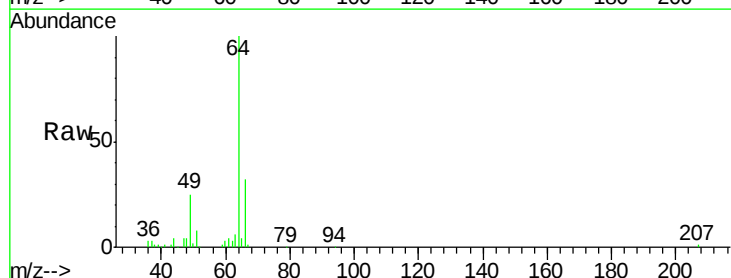
Acq: 17 Jun 2020 21:04

Tgt Ion: 64 Resp: 91993

Ion Ratio Lower Upper

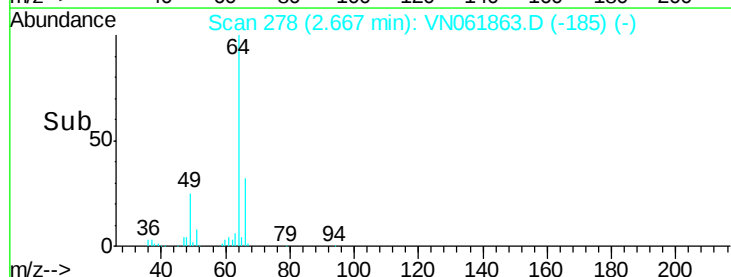
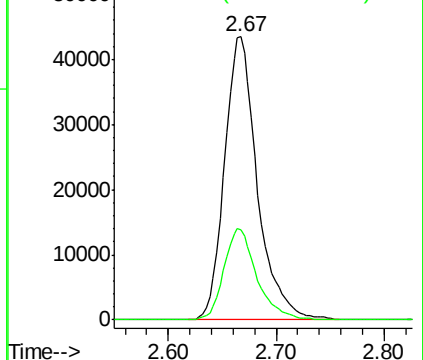
64 100

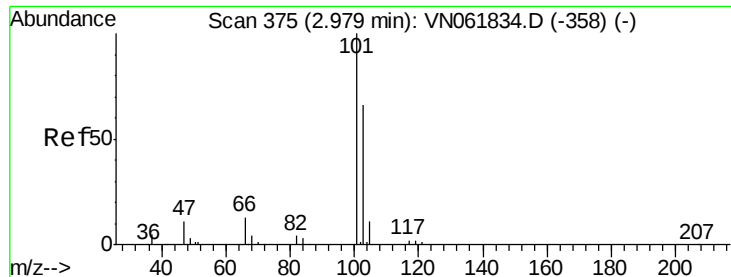
66 31.9 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

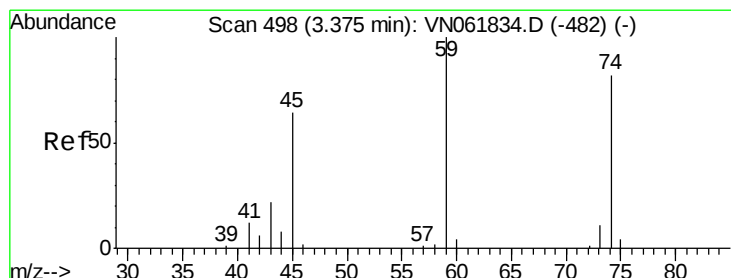
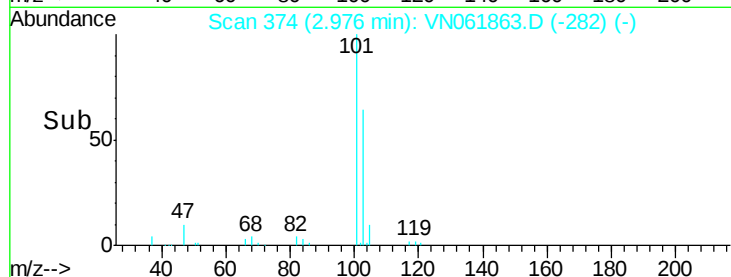
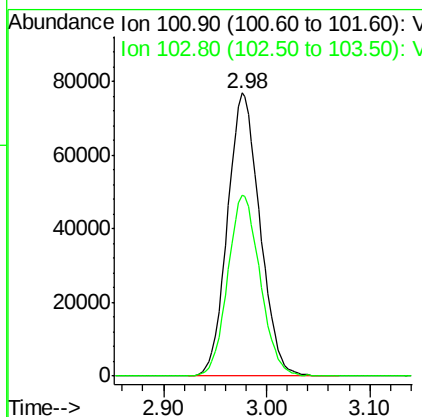
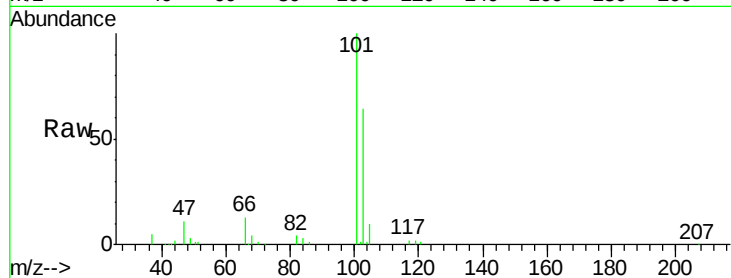
Trichlorofluoromethane
Concen: 50.522 ug/l
RT: 2.98 min Scan# 374
Delta R.T. -0.00 min
Lab File: VN061863.D
Acq: 17 Jun 2020 21:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	52.8	79.2

Manual Integrations
APPROVED

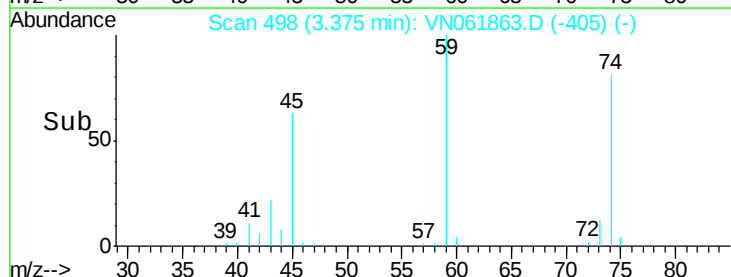
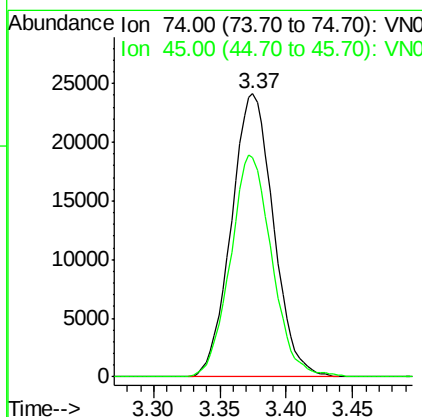
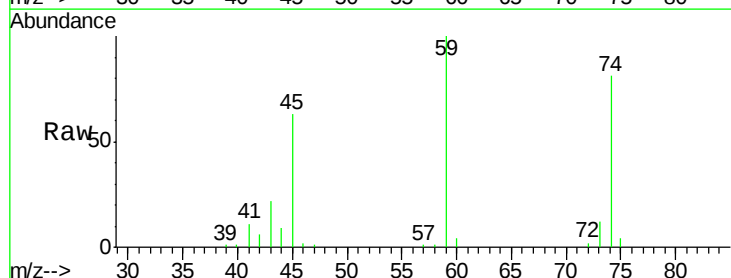
MMDadoda
6/18/2020 9:37:37 AM

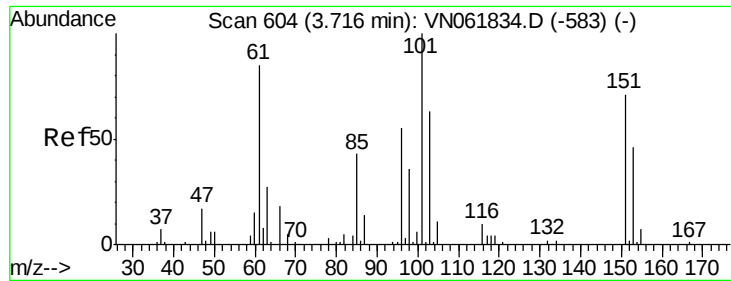


#8

Diethyl Ether
Concen: 47.554 ug/l
RT: 3.37 min Scan# 498
Delta R.T. -0.00 min
Lab File: VN061863.D
Acq: 17 Jun 2020 21:04

Tgt Ion	Ratio	Lower	Upper
74	100		
45	77.2	39.1	117.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.527 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN061863.D

Acq: 17 Jun 2020 21:04

Instrument :

MSVOA_N

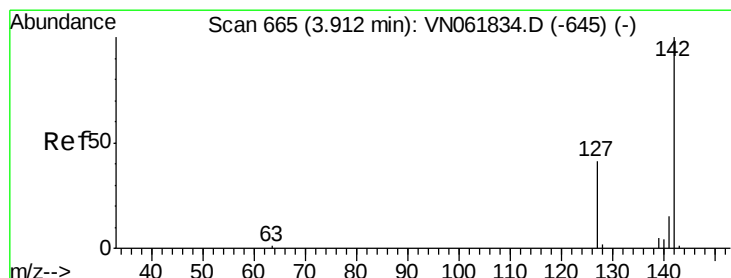
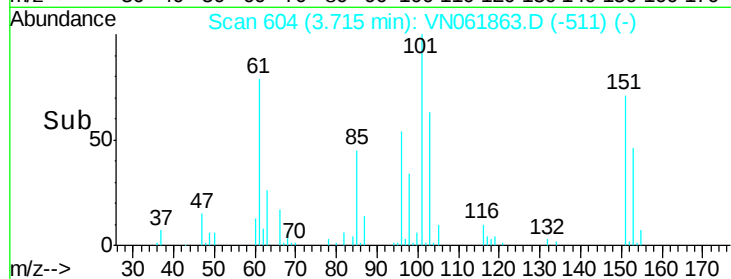
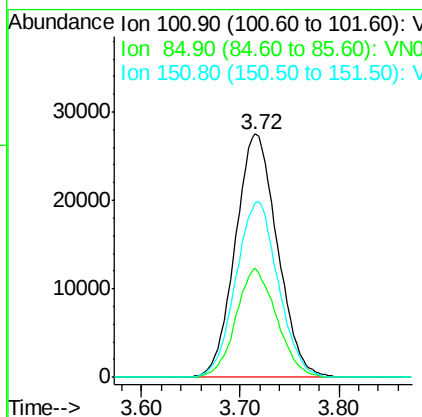
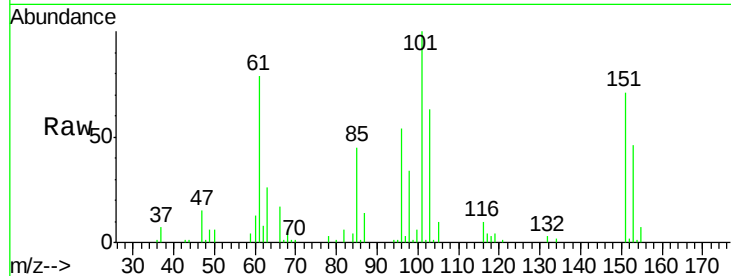
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	81234
Ion Ratio	Lower	Upper	
101	100		
85	43.2	35.0	52.6
151	72.6	59.2	88.8

Manual Integrations
APPROVED

MMDadoda
6/18/2020 9:37:37 AM



#10

Methyl Iodide

Concen: 46.716 ug/l

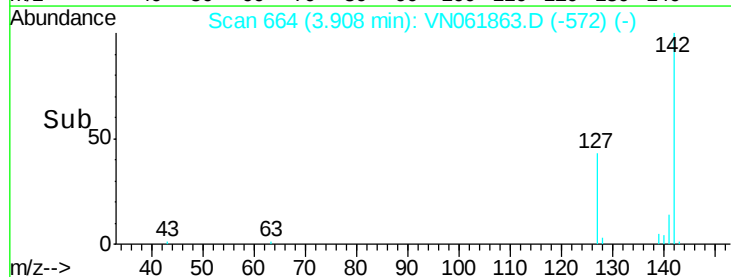
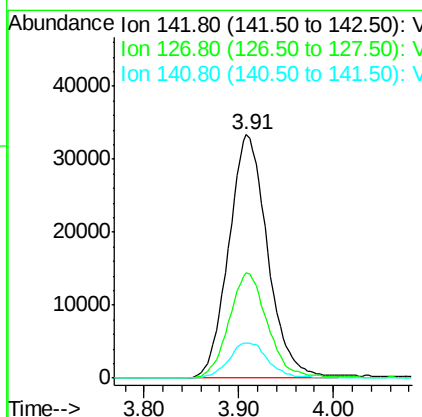
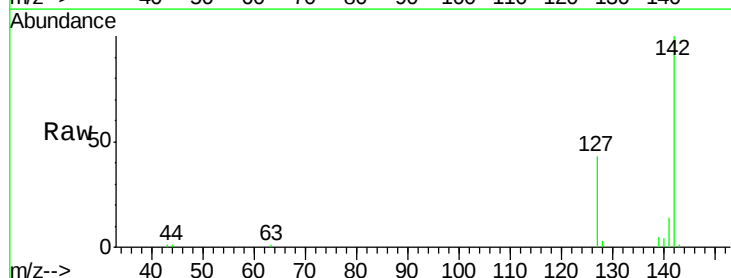
RT: 3.91 min Scan# 664

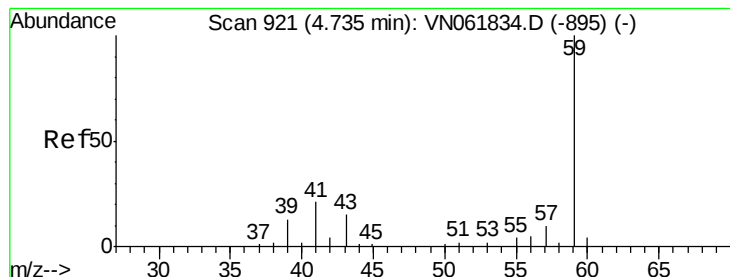
Delta R.T. -0.00 min

Lab File: VN061863.D

Acq: 17 Jun 2020 21:04

Tgt Ion:	142	Resp:	95560
Ion Ratio	Lower	Upper	
142	100		
127	42.7	33.4	50.0
141	14.6	11.3	16.9





#11

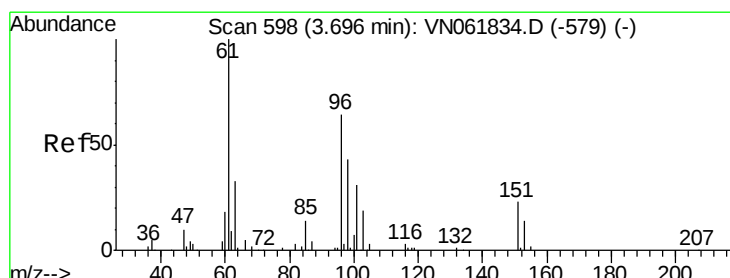
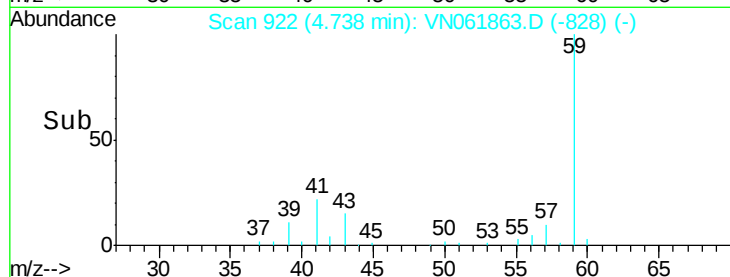
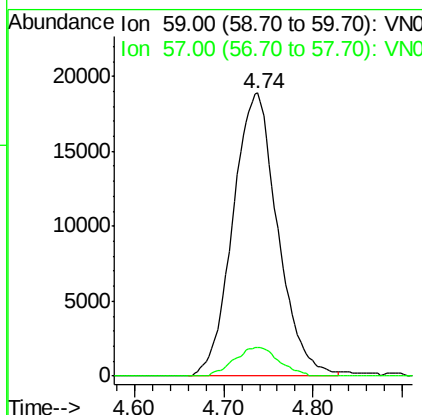
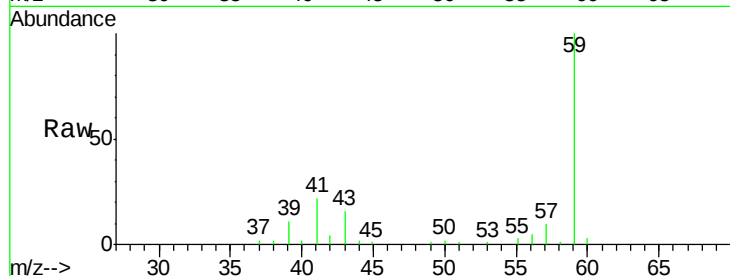
Tert butyl alcohol
 Concen: 210.763 ug/l
 RT: 4.74 min Scan# 922
 Delta R.T. 0.00 min
 Lab File: VN061863.D
 Acq: 17 Jun 2020 21:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	59	Resp	65931
Ion Ratio	100	Lower	Upper
57	10.1	7.7	11.5

Manual Integrations
 APPROVED

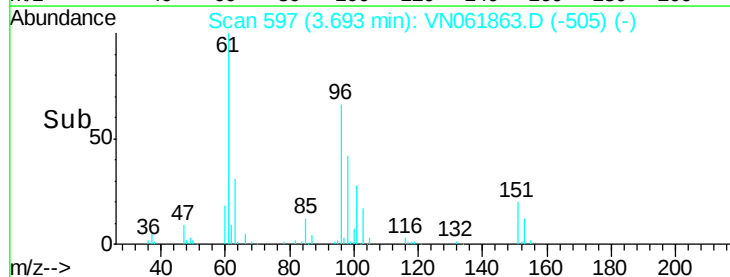
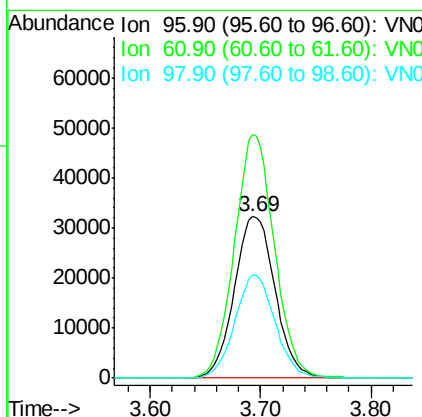
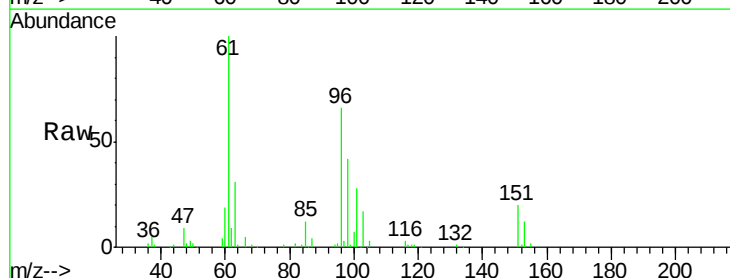
MMDadoda
 6/18/2020 9:37:37 AM

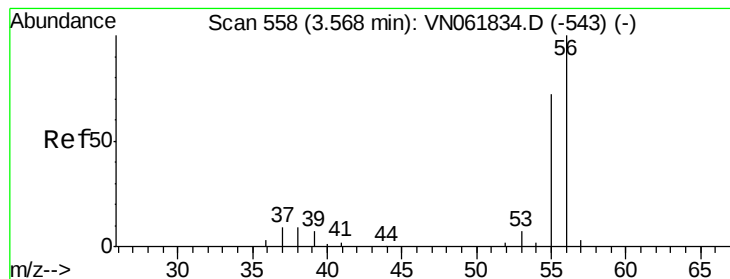


#12

1,1-Dichloroethene
 Concen: 48.196 ug/l
 RT: 3.69 min Scan# 597
 Delta R.T. -0.00 min
 Lab File: VN061863.D
 Acq: 17 Jun 2020 21:04

Tgt Ion	96	Resp	82541
Ion Ratio	100	Lower	Upper
61	151.0	124.3	186.5
98	63.9	53.1	79.7





#13

Acrolein

Concen: 213.179 ug/l

RT: 3.56 min Scan# 557

Delta R.T. -0.00 min

Lab File: VN061863.D

Acq: 17 Jun 2020 21:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 39857

Ion Ratio Lower Upper

56 100

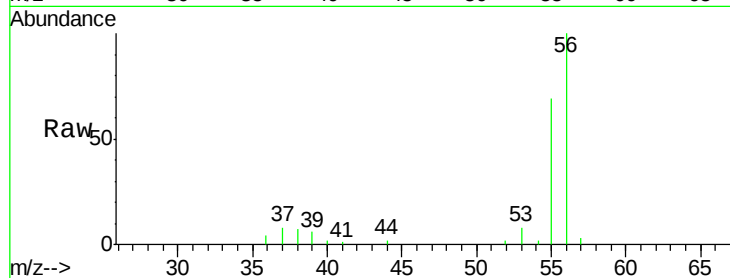
55 70.8 56.2 84.4

Manual Integrations

APPROVED

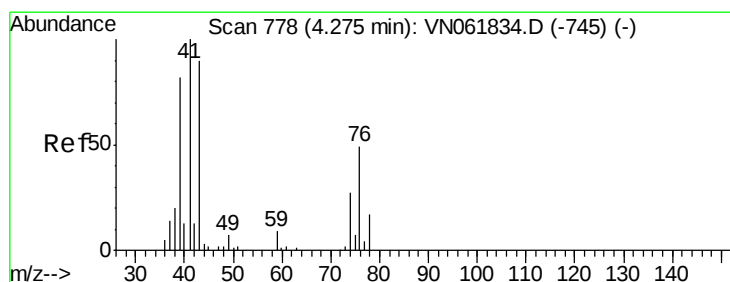
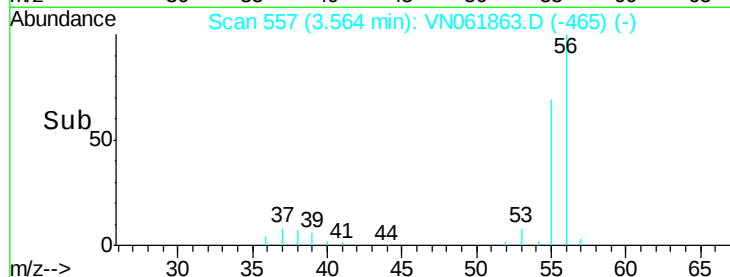
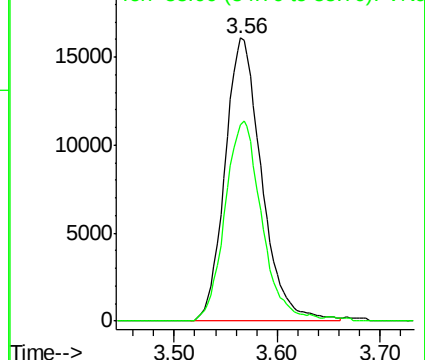
MMDadoda

6/18/2020 9:37:37 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 45.871 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN061863.D

Acq: 17 Jun 2020 21:04

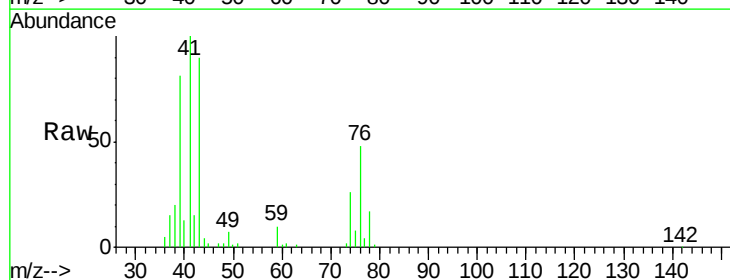
Tgt Ion: 41 Resp: 104266

Ion Ratio Lower Upper

41 100

39 75.8 60.2 90.2

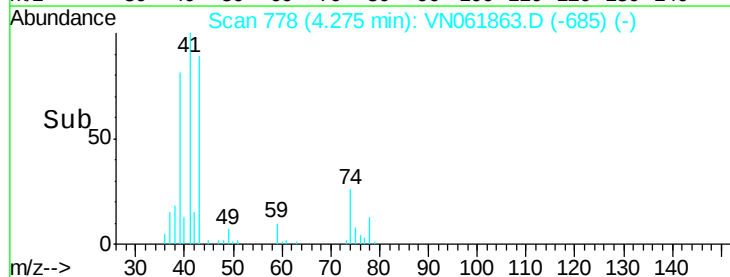
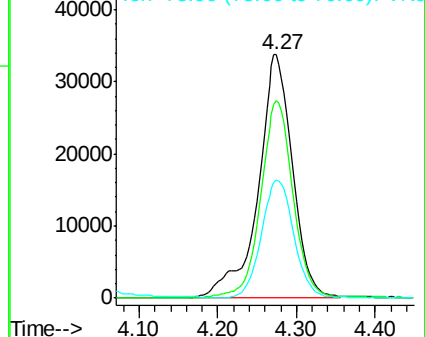
76 45.7 36.3 54.5

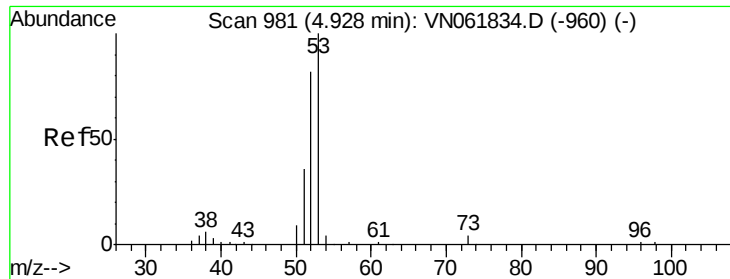


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 238.254 ug/l

RT: 4.93 min Scan# 982

Delta R.T. 0.00 min

Lab File: VN061863.D

Acq: 17 Jun 2020 21:04

Instrument :

MSVOA_N

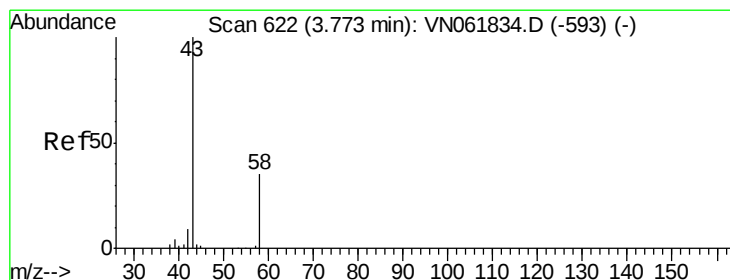
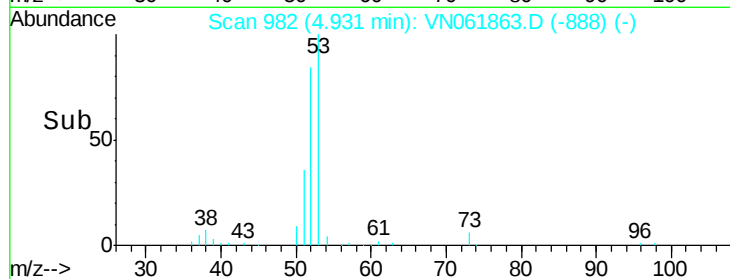
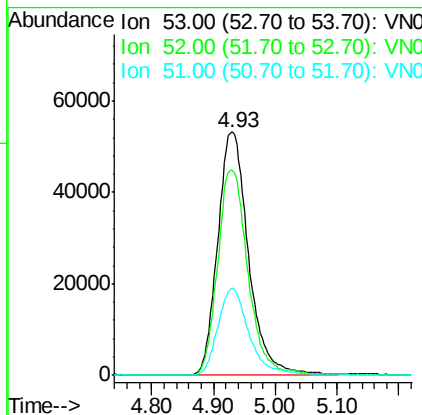
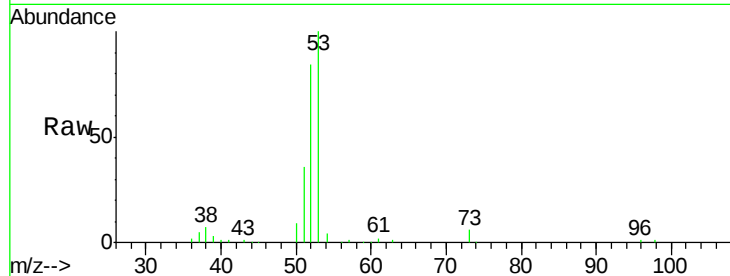
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	184675
Ion	Ratio	Lower	Upper
53	100		
52	81.7	65.2	97.8
51	36.2	29.3	43.9

Manual Integrations
APPROVED

MMDadoda
6/18/2020 9:37:37 AM



#16

Acetone

Concen: 215.096 ug/l

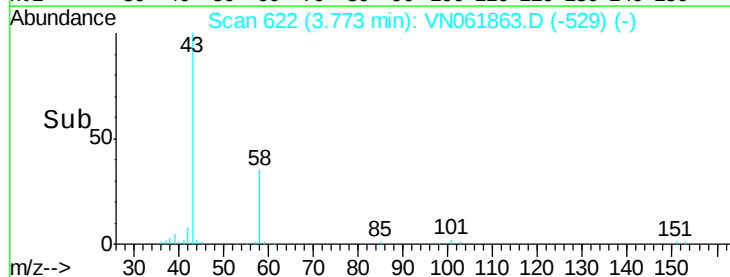
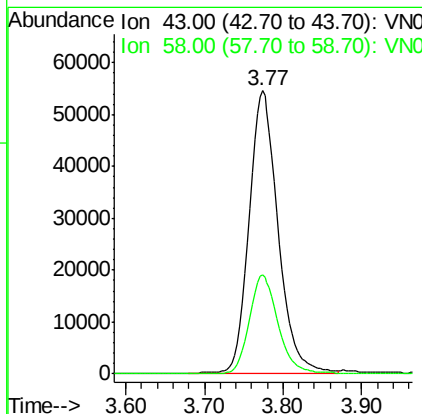
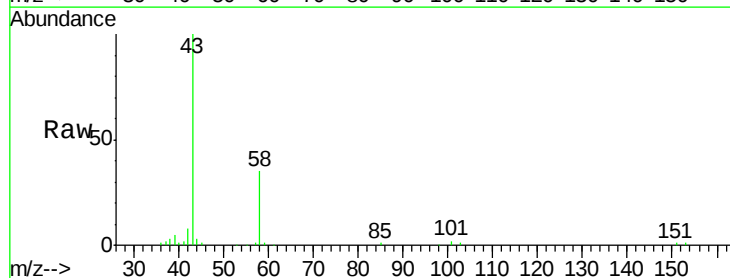
RT: 3.77 min Scan# 622

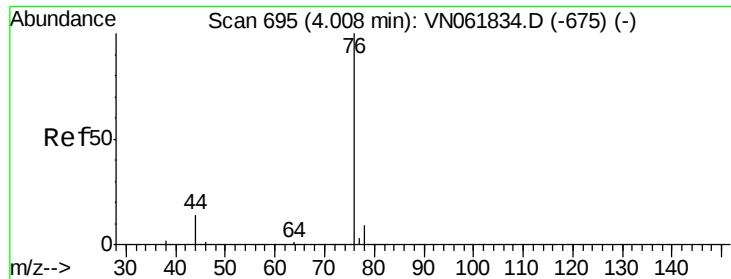
Delta R.T. -0.00 min

Lab File: VN061863.D

Acq: 17 Jun 2020 21:04

Tgt Ion:	43	Resp:	143628
Ion	Ratio	Lower	Upper
43	100		
58	35.0	27.8	41.8





#17

Carbon Disulfide

Concen: 46.498 ug/l

RT: 4.01 min Scan# 695

Delta R.T. -0.00 min

Lab File: VN061863.D

Acq: 17 Jun 2020 21:04

Tot Ion: 76 Resp: 233007

Ion Ratio Lower Upper

76 100

78 8.8 7.3 10.9

Instrument :

MSVOA_N

ClientSampleId :

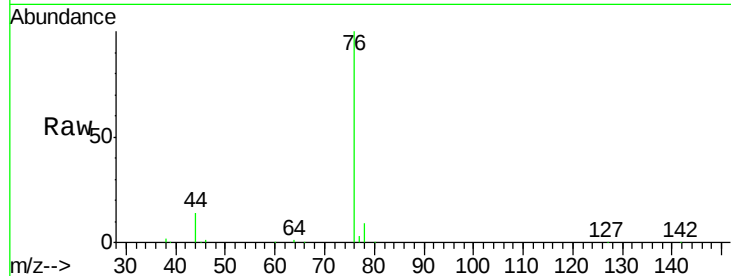
VSTDCCC050EC

Manual Integrations

APPROVED

MMDadoda

6/18/2020 9:37:37 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.01

80000

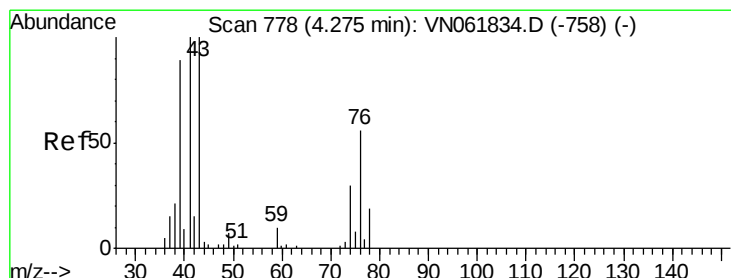
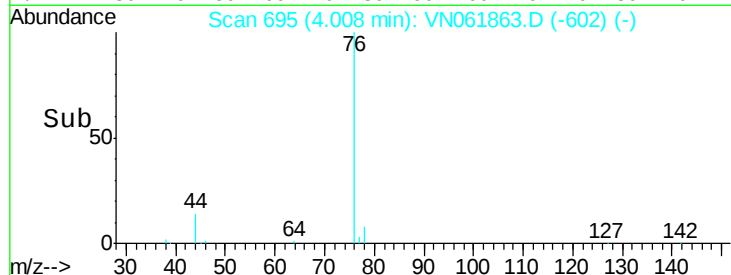
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 45.755 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN061863.D

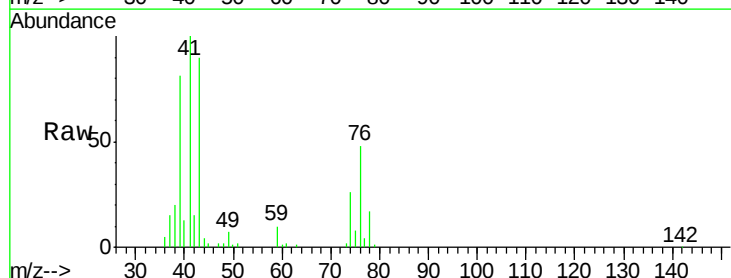
Acq: 17 Jun 2020 21:04

Tgt Ion: 43 Resp: 87962

Ion Ratio Lower Upper

43 100

74 28.8 23.0 34.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.27

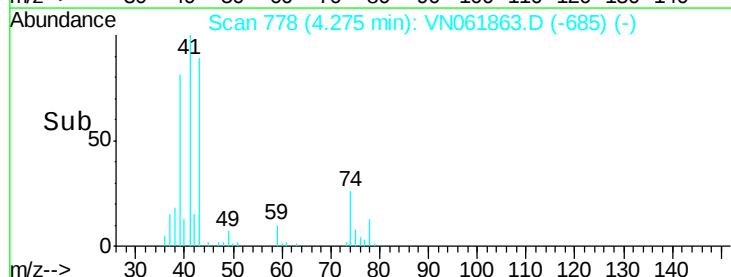
30000

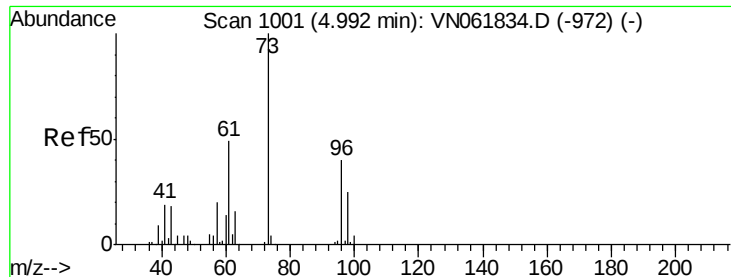
20000

10000

0

Time-->





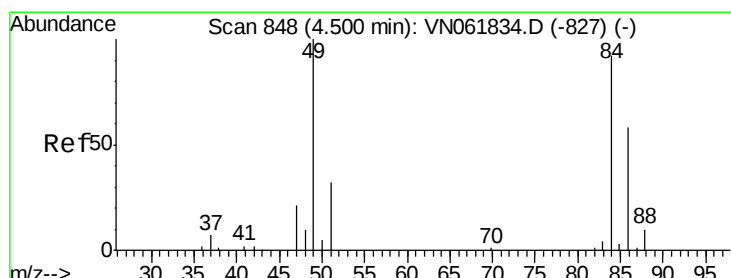
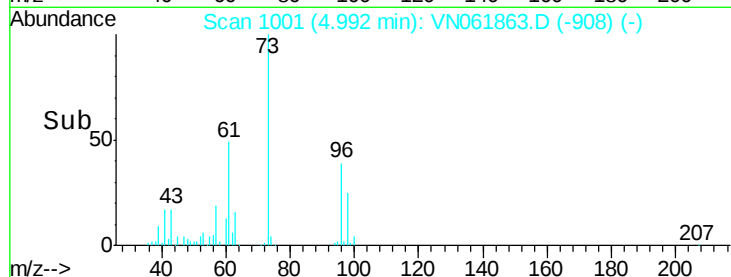
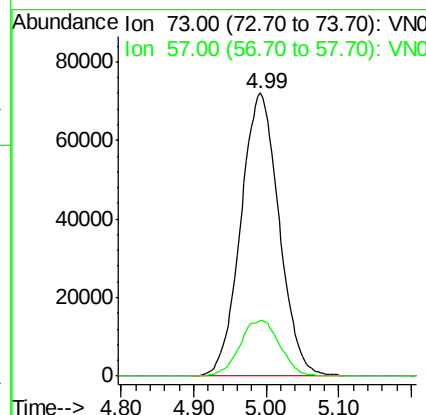
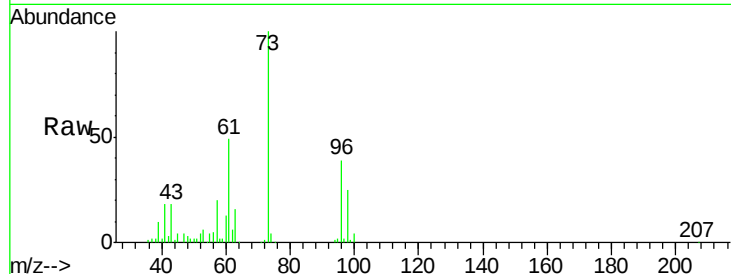
#19
Methvl tert-butvl Ether
Concen: 46.430 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VN061863.D
Acq: 17 Jun 2020 21:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 264758
Ion Ratio Lower Upper
73 100
57 19.8 16.2 24.4

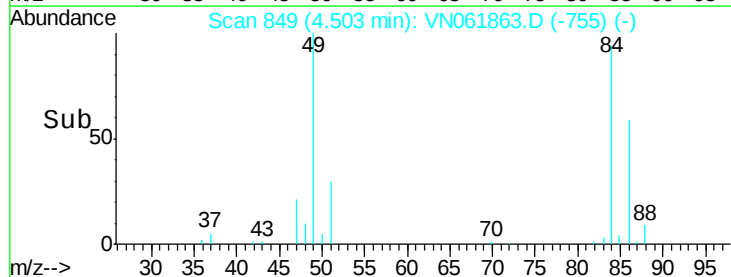
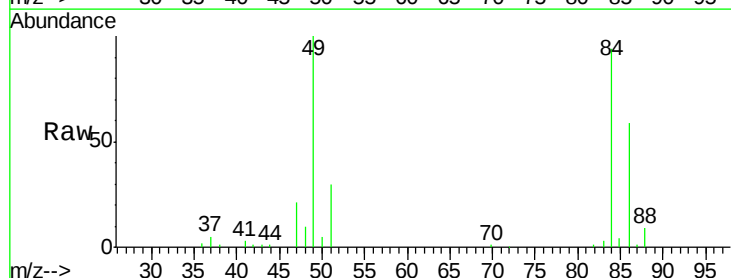
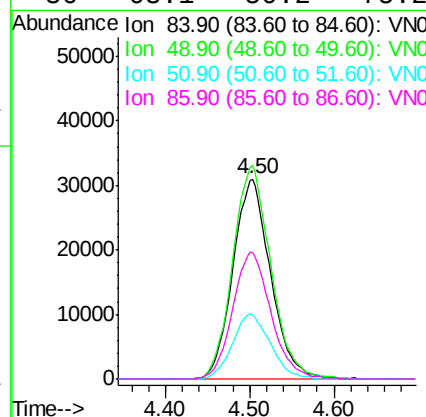
Manual Integrations
APPROVED

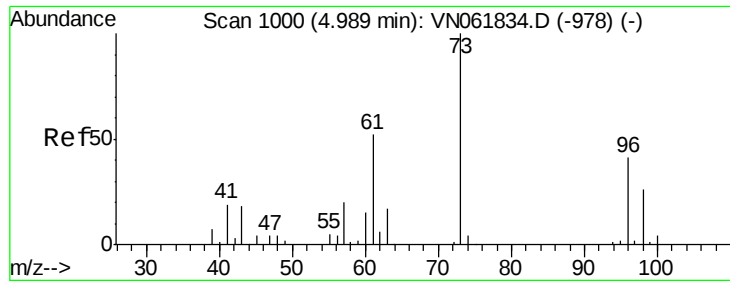
MMDadoda
6/18/2020 9:37:37 AM



#20
Methylene Chloride
Concen: 44.226 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN061863.D
Acq: 17 Jun 2020 21:04

Tgt Ion: 84 Resp: 96214
Ion Ratio Lower Upper
84 100
49 106.7 87.0 130.4
51 32.0 27.8 41.6
86 63.1 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 46.188 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN061863.D

Acq: 17 Jun 2020 21:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 90859

Ion Ratio Lower Upper

96 100

61 126.1 102.2 153.4

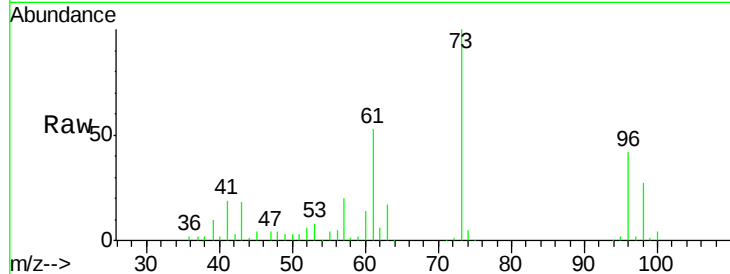
98 64.2 51.2 76.8

Manual Integrations

APPROVED

MMDadoda

6/18/2020 9:37:37 AM

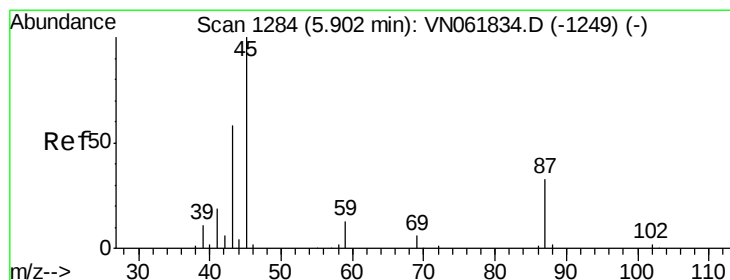
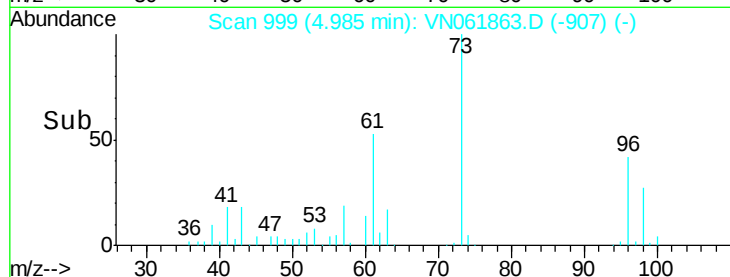
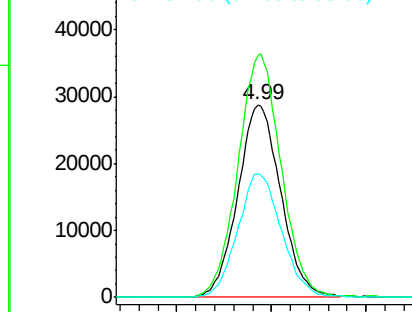


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 44.872 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VN061863.D

Acq: 17 Jun 2020 21:04

Tgt Ion: 45 Resp: 233268

Ion Ratio Lower Upper

45 100

43 61.4 49.4 74.2

87 35.9 27.4 41.0

59 12.8 10.6 15.8

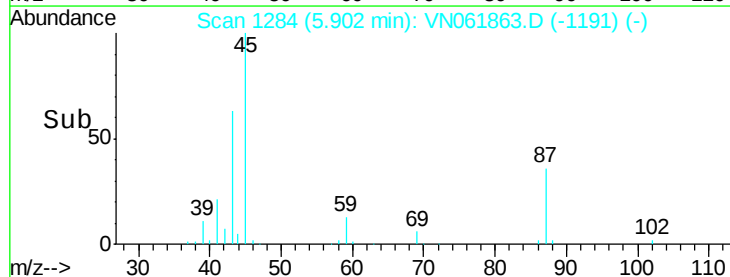
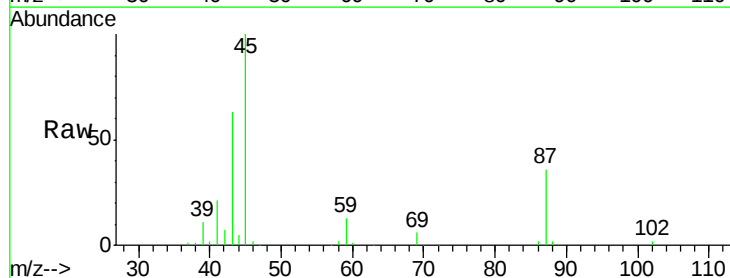
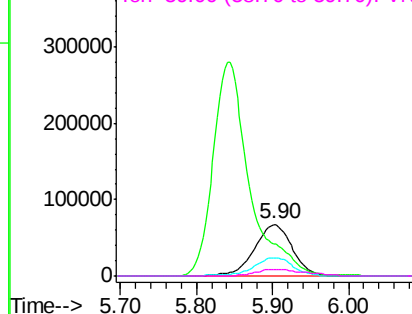
Abundance

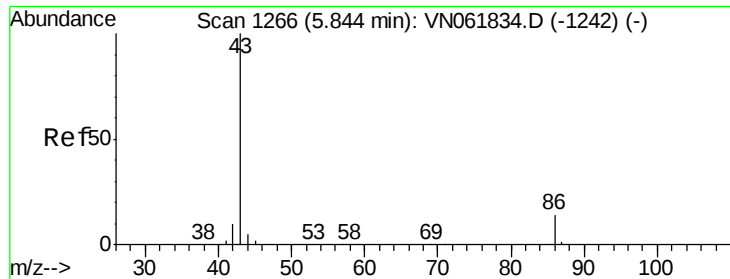
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





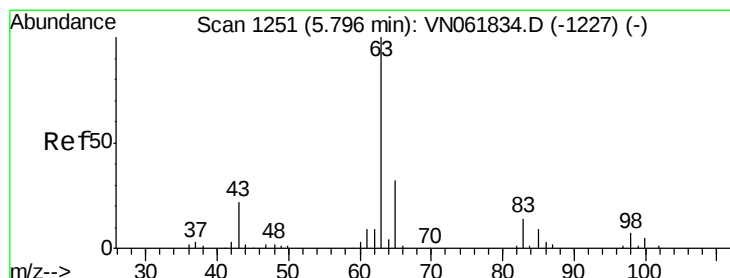
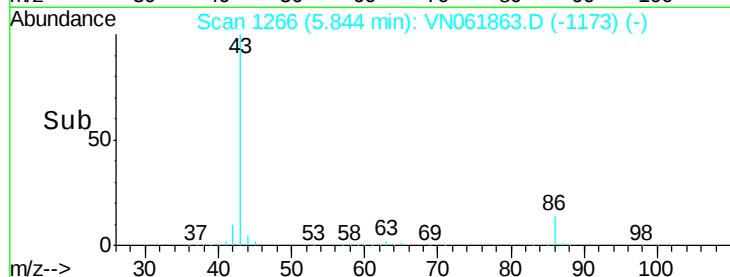
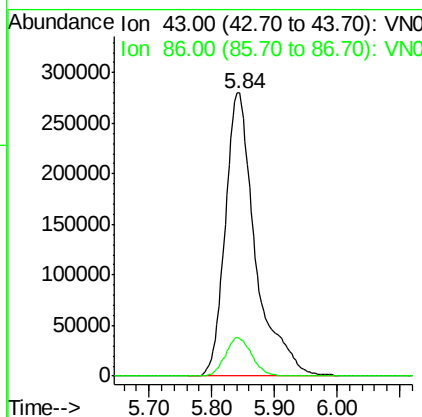
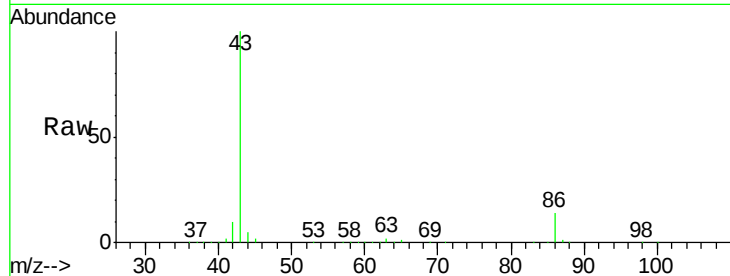
#23
 Vinyl Acetate
 Concen: 229.006 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VN061863.D
 Acq: 17 Jun 2020 21:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
86	13.5	10.9	16.3

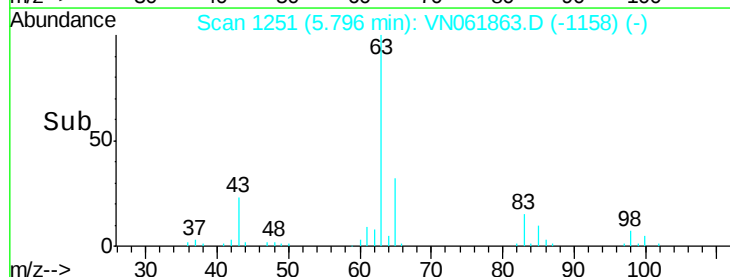
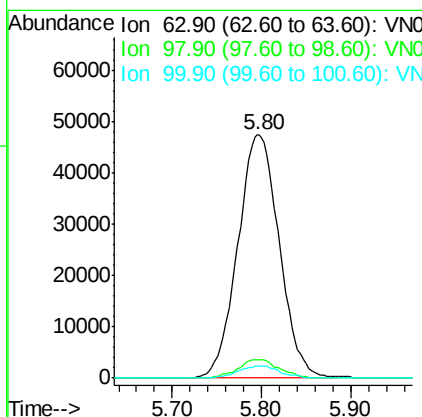
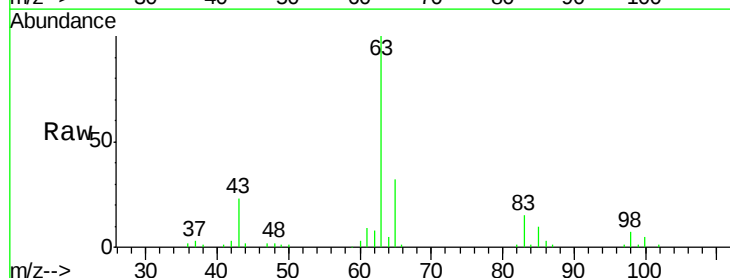
Manual Integrations
 APPROVED

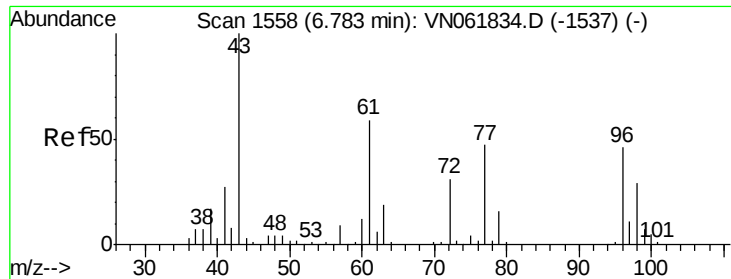
MMDadoda
 6/18/2020 9:37:37 AM



#24
 1,1-Dichloroethane
 Concen: 45.076 ug/l
 RT: 5.80 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VN061863.D
 Acq: 17 Jun 2020 21:04

Tgt Ion	Ratio	Lower	Upper
63	100		
98	7.5	3.5	10.4
100	5.0	2.5	7.4





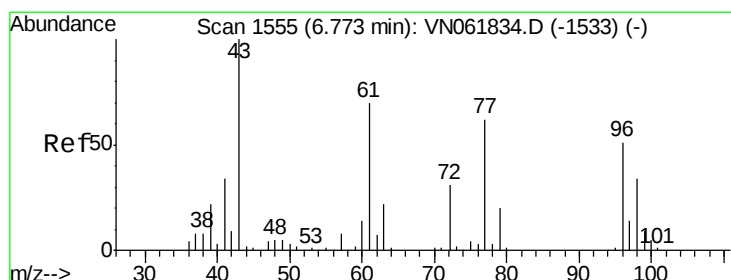
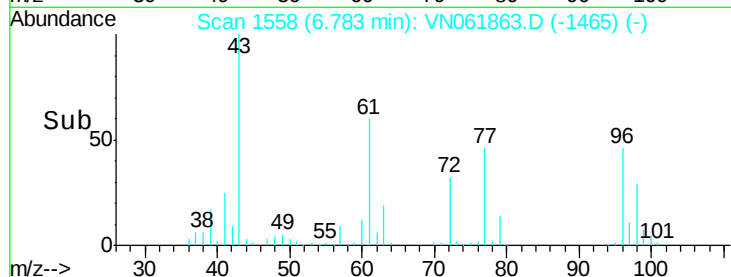
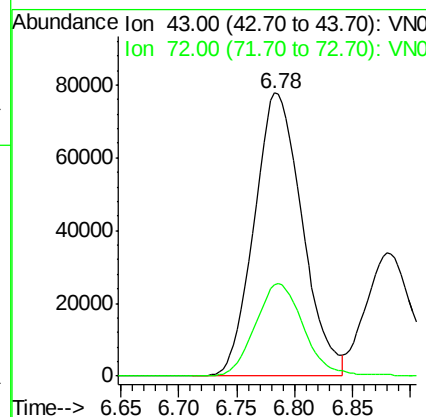
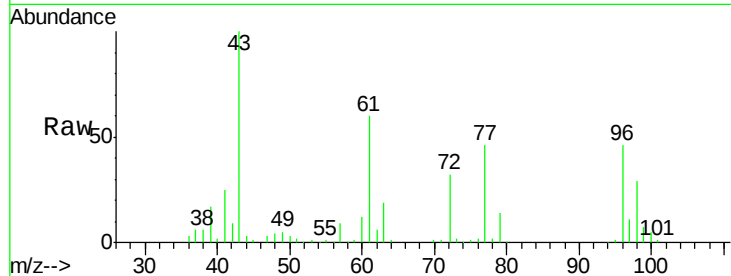
#25
2-Butanone
Concen: 230.170 ug/l
RT: 6.78 min Scan# 1558
Delta R.T. -0.00 min
Lab File: VN061863.D
Acq: 17 Jun 2020 21:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 224239
Ion Ratio Lower Upper
43 100
72 32.3 24.6 37.0

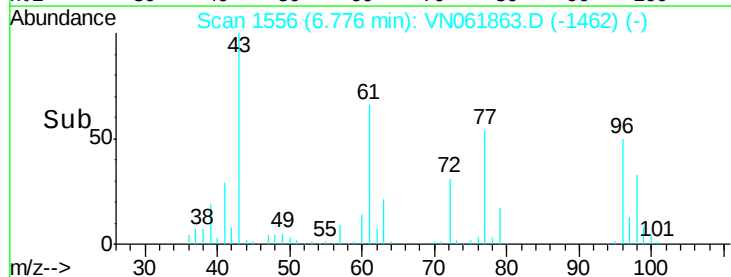
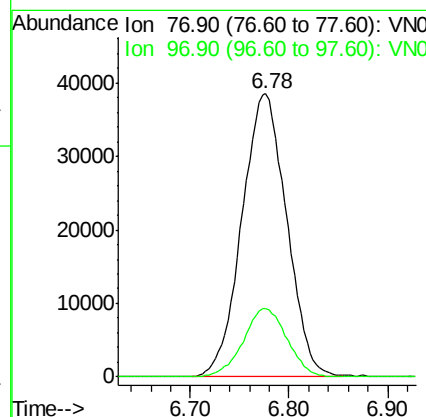
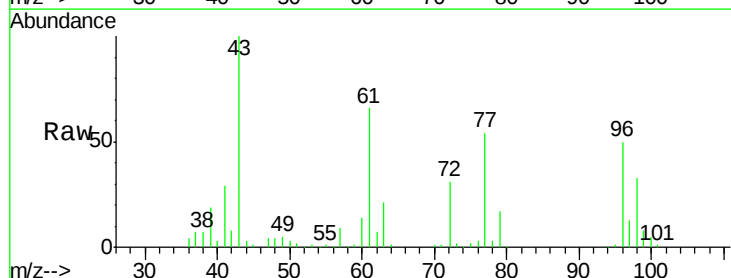
Manual Integrations
APPROVED

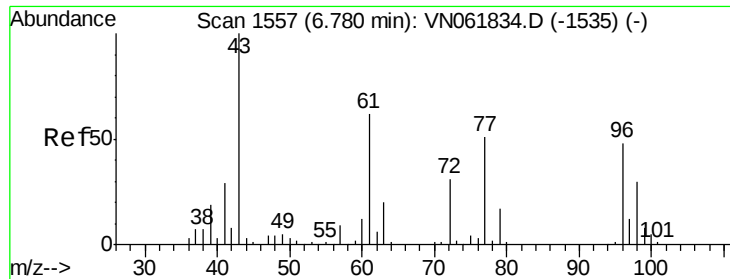
MMDadoda
6/18/2020 9:37:37 AM



#26
2,2-Dichloropropane
Concen: 42.259 ug/l
RT: 6.78 min Scan# 1556
Delta R.T. 0.00 min
Lab File: VN061863.D
Acq: 17 Jun 2020 21:04

Tgt Ion: 77 Resp: 120991
Ion Ratio Lower Upper
77 100
97 23.6 11.7 35.0





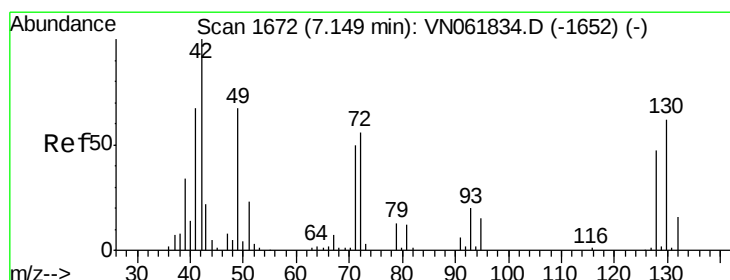
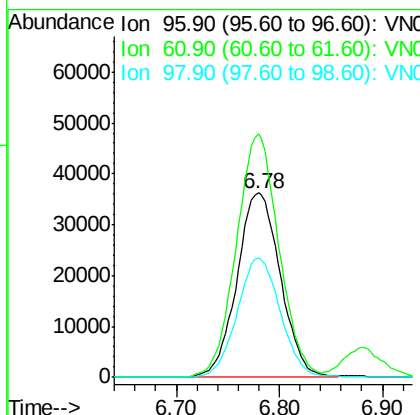
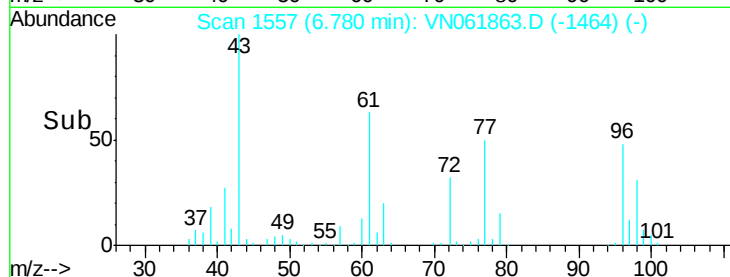
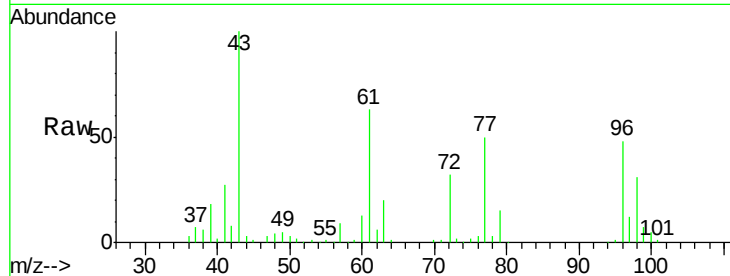
#27
 cis-1,2-Dichloroethene
 Concen: 46.683 ug/l
 RT: 6.78 min Scan# 1557
 Delta R.T. -0.00 min
 Lab File: VN061863.D
 Acq: 17 Jun 2020 21:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	129.3	0.0	265.6	
98	64.6	0.0	128.2	

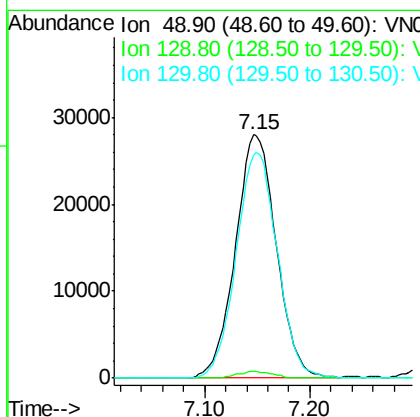
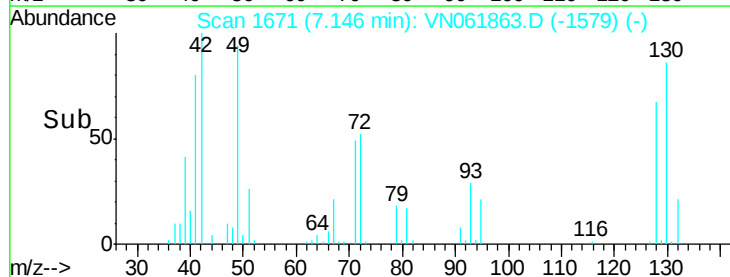
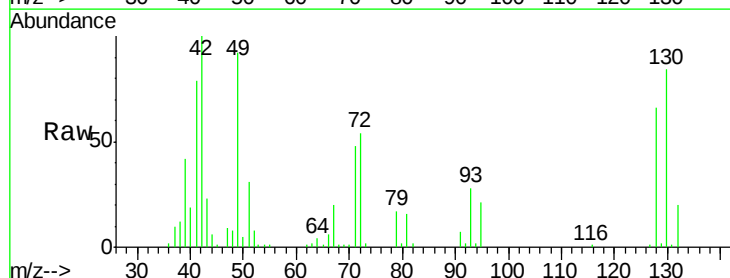
Manual Integrations
 APPROVED

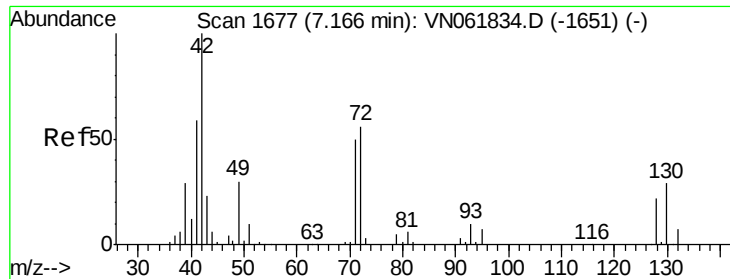
MMDadoda
 6/18/2020 9:37:37 AM



#28
 Bromochloromethane
 Concen: 49.823 ug/l
 RT: 7.15 min Scan# 1671
 Delta R.T. -0.00 min
 Lab File: VN061863.D
 Acq: 17 Jun 2020 21:04

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.3	0.0	4.0	
130	93.4	72.2	108.2	





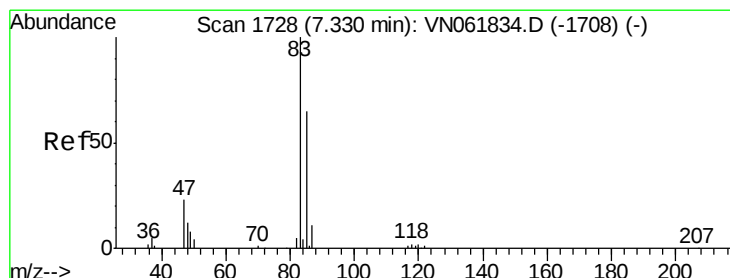
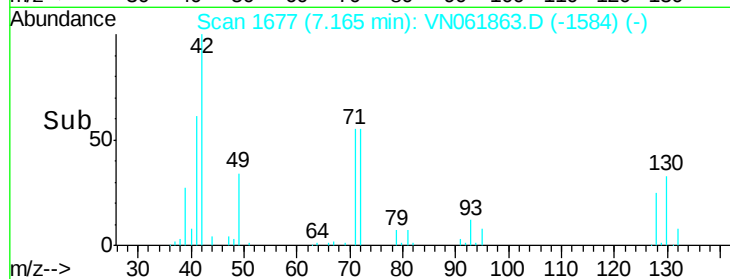
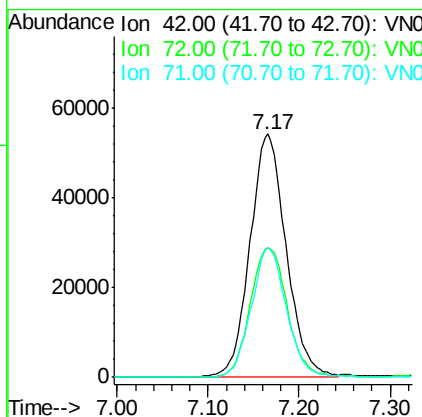
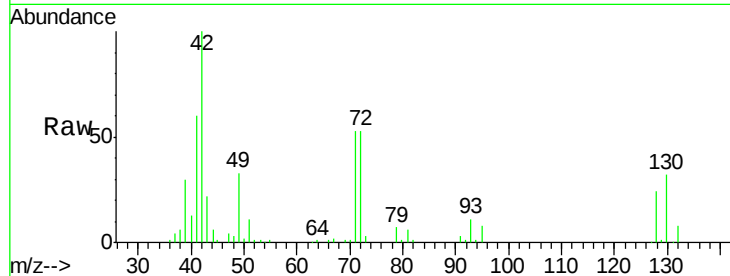
#29
Tetrahydrofuran
Concen: 234.165 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN061863.D
Acq: 17 Jun 2020 21:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	54.9	44.0	66.0
71	51.7	40.0	60.0

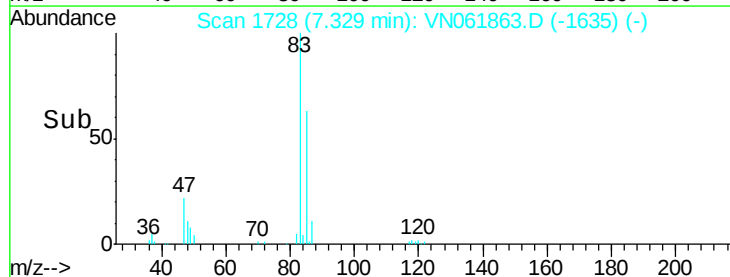
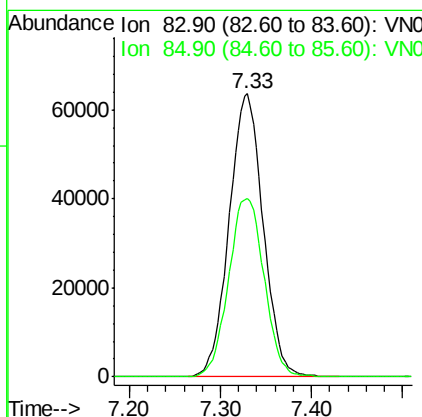
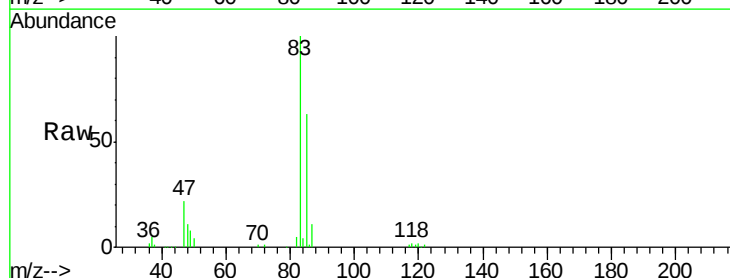
Manual Integrations
APPROVED

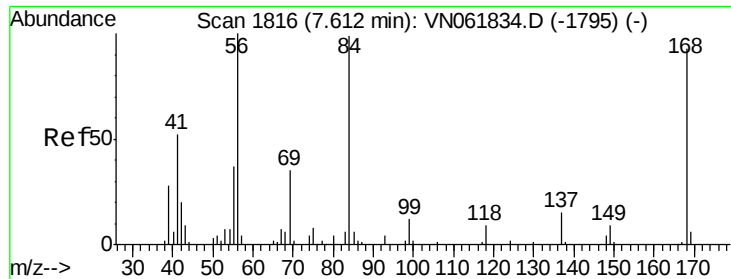
MMDadoda
6/18/2020 9:37:37 AM



#30
Chloroform
Concen: 45.414 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. -0.00 min
Lab File: VN061863.D
Acq: 17 Jun 2020 21:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.8	52.0	78.0





#31

Cyclohexane

Concen: 44.471 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VN061863.D

Acq: 17 Jun 2020 21:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 132482

Ion Ratio Lower Upper

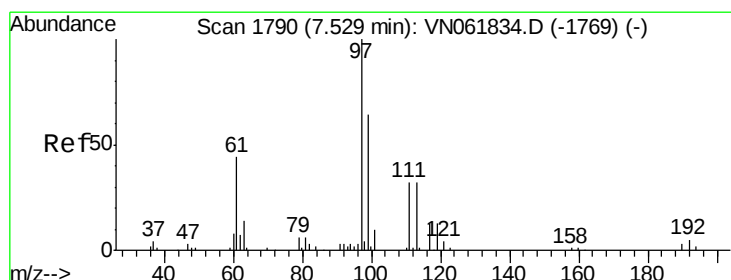
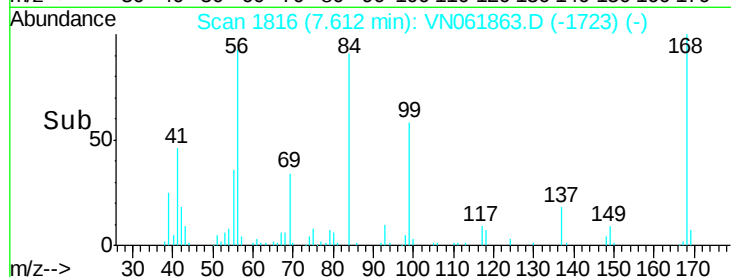
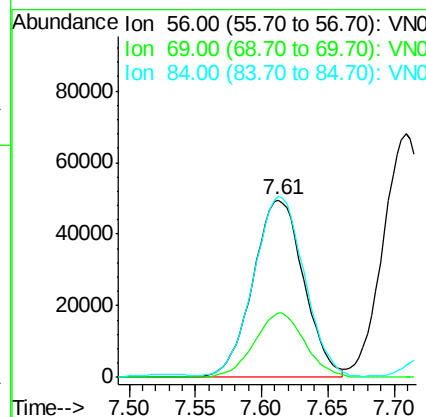
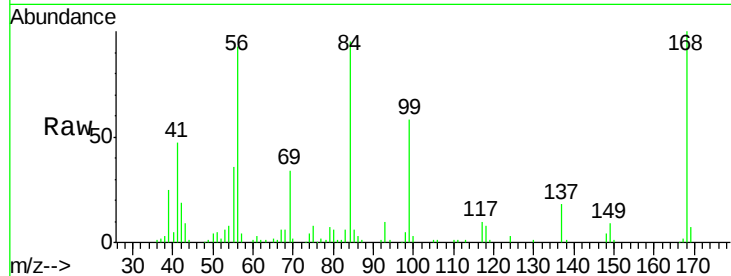
56 100

69 36.4 27.7 41.5

84 101.0 79.1 118.7

Manual Integrations
APPROVED

MMDadoda
6/18/2020 9:37:37 AM



#32

1,1,1-Trichloroethane

Concen: 47.029 ug/l

RT: 7.53 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VN061863.D

Acq: 17 Jun 2020 21:04

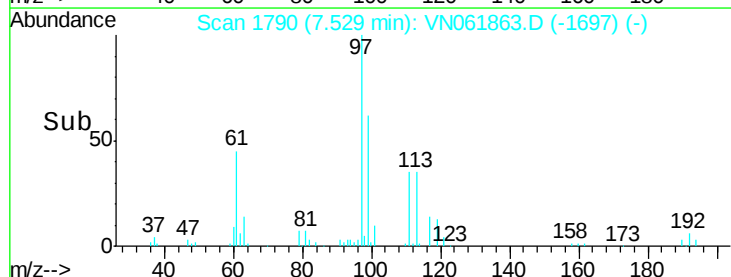
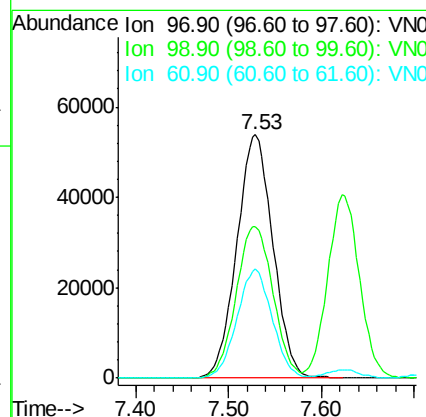
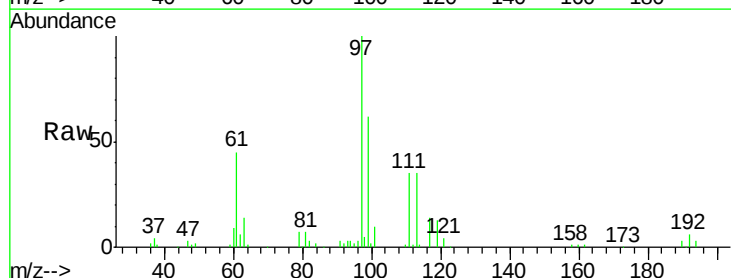
Tgt Ion: 97 Resp: 145665

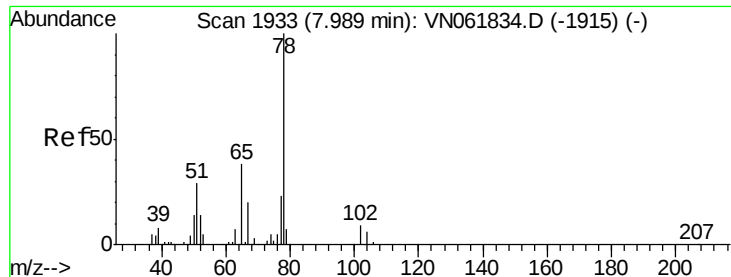
Ion Ratio Lower Upper

97 100

99 63.6 51.5 77.3

61 43.6 35.1 52.7





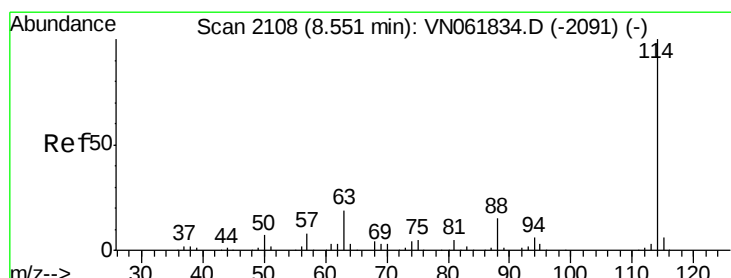
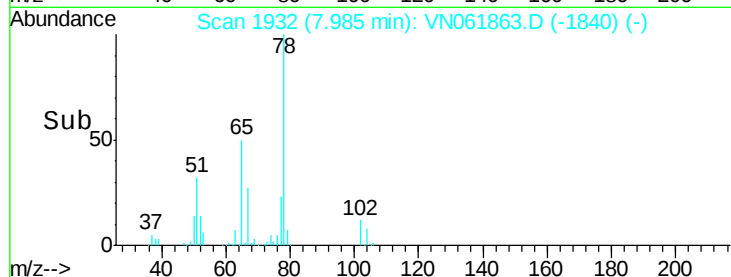
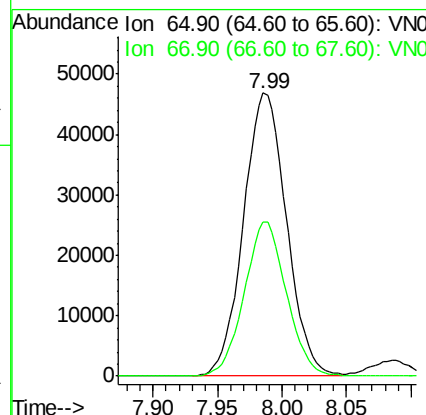
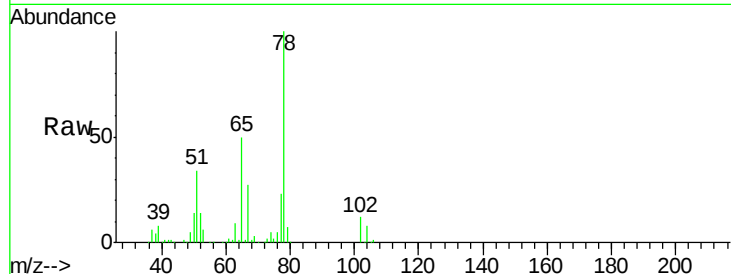
#33
 1,2-Dichloroethane-d4
 Concen: 48.276 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN061863.D
 Acq: 17 Jun 2020 21:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	109132		
67	53.4	0.0	106.2	

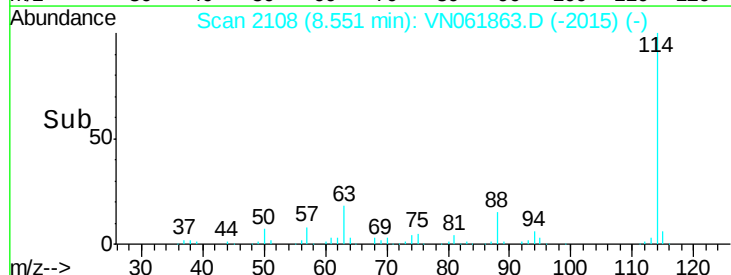
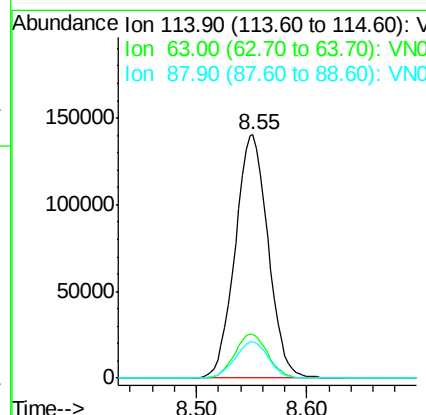
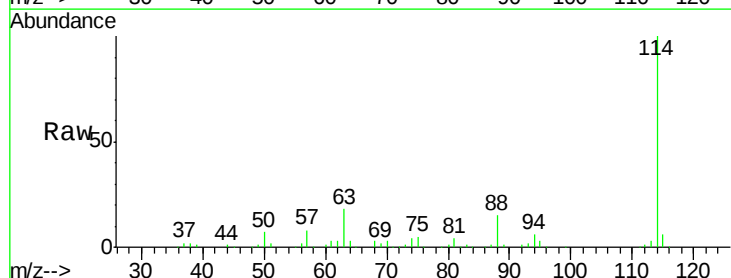
Manual Integrations
 APPROVED

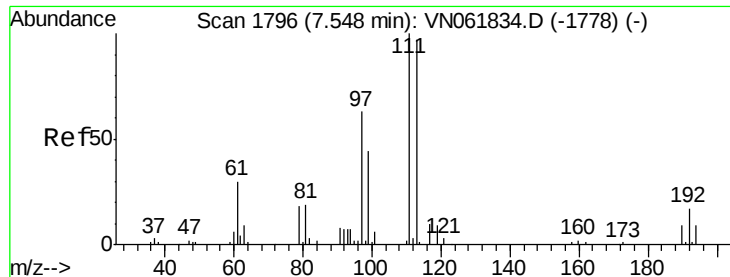
MMDadoda
 6/18/2020 9:37:37 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN061863.D
 Acq: 17 Jun 2020 21:04

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	290420		
63	18.2	0.0	37.6	
88	14.9	0.0	31.0	





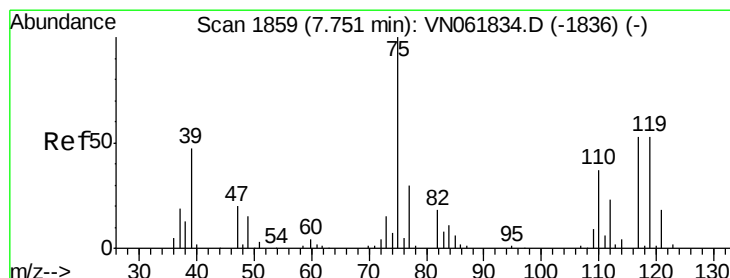
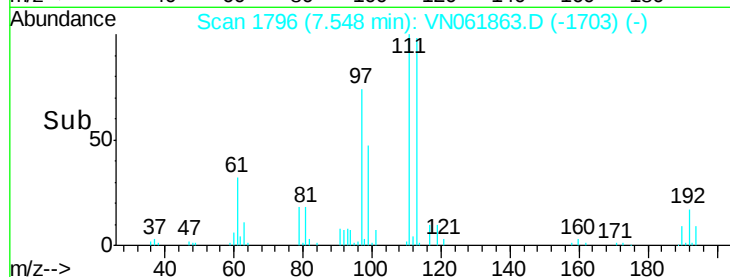
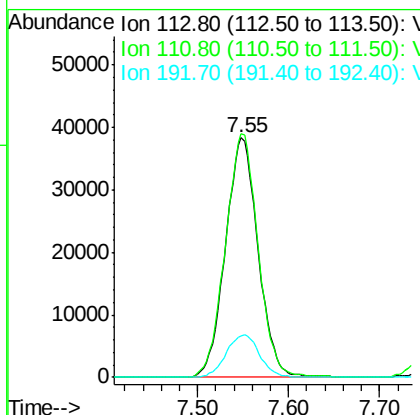
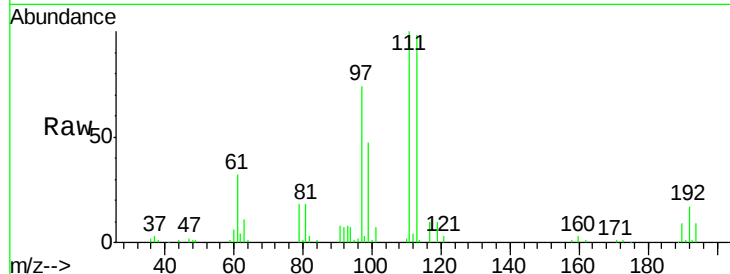
#35
 Dibromofluoromethane
 Concen: 51.330 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN061863.D
 Acq: 17 Jun 2020 21:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	83.7	125.5
192	18.0	13.9	20.9

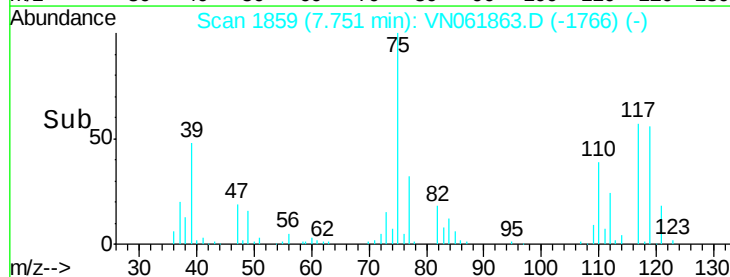
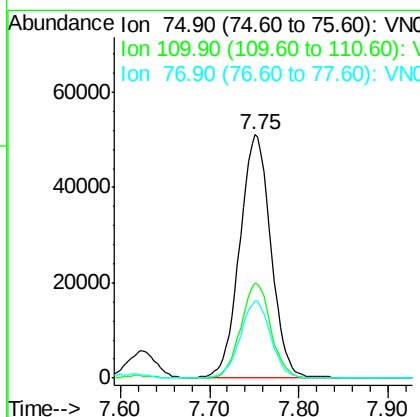
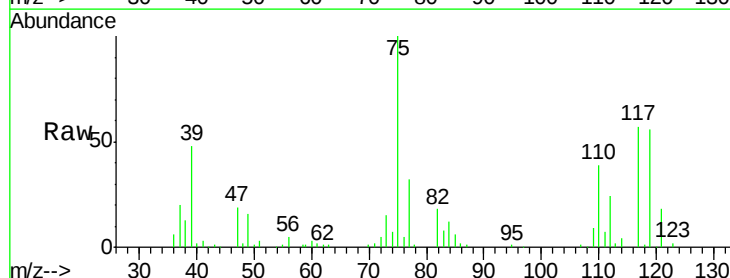
Manual Integrations
 APPROVED

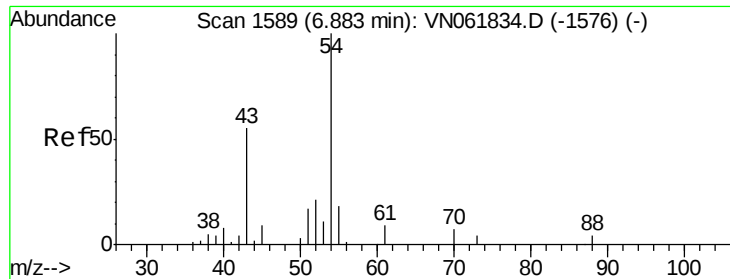
MMDadoda
 6/18/2020 9:37:37 AM



#36
 1,1-Dichloropropene
 Concen: 46.888 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN061863.D
 Acq: 17 Jun 2020 21:04

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.4	18.2	54.6
77	31.0	24.2	36.4





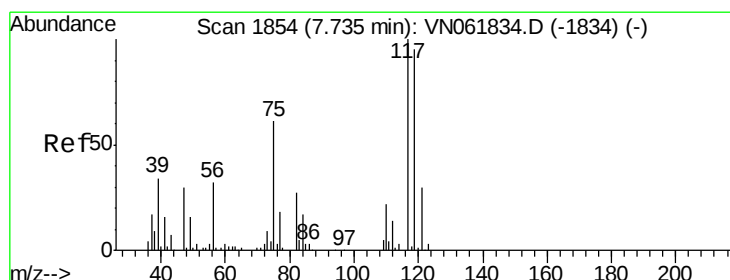
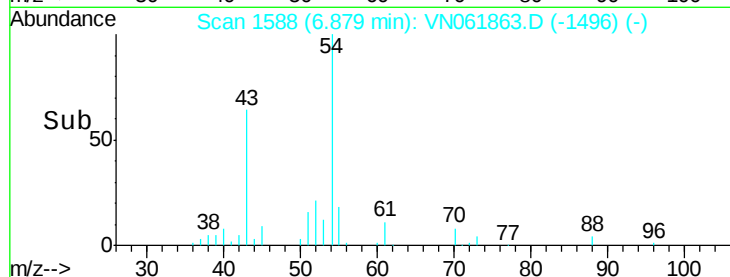
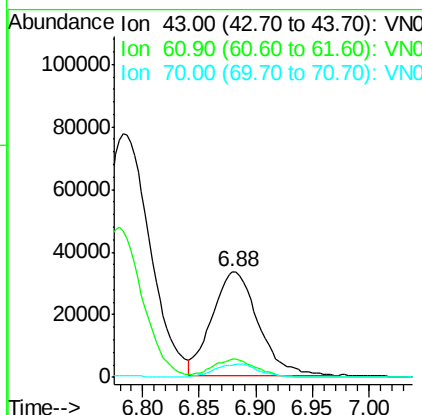
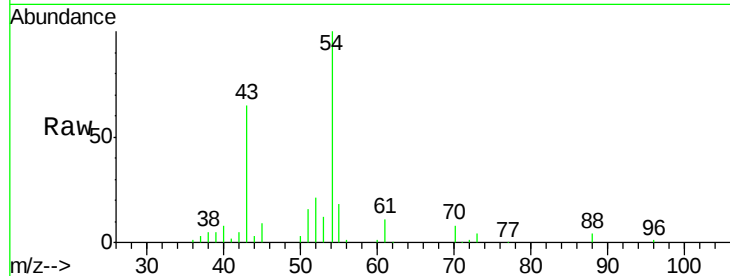
#37
Ethyl Acetate
Concen: 45.776 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VN061863.D
Acq: 17 Jun 2020 21:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	61	70
Resp	94690		
Ratio	100	16.9	12.3
Lower		13.0	9.4
Upper		19.4	14.2

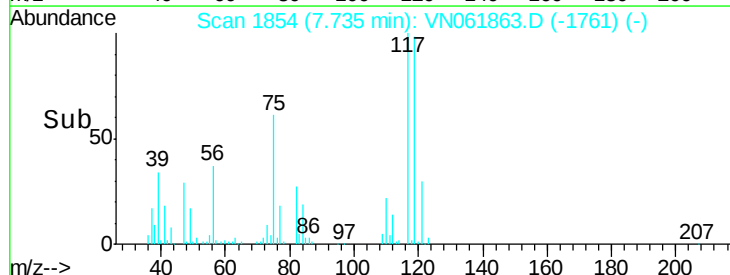
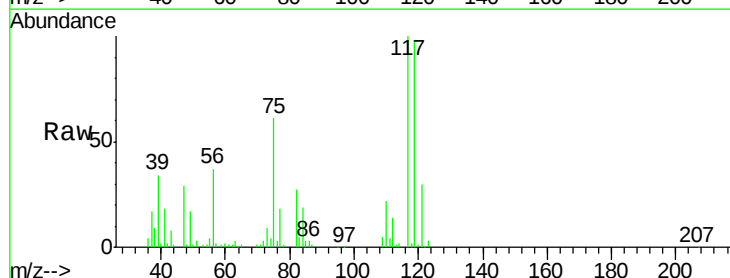
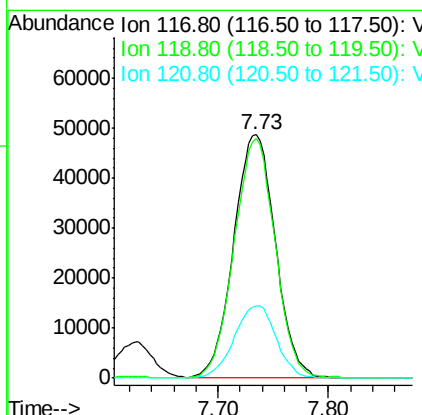
Manual Integrations
APPROVED

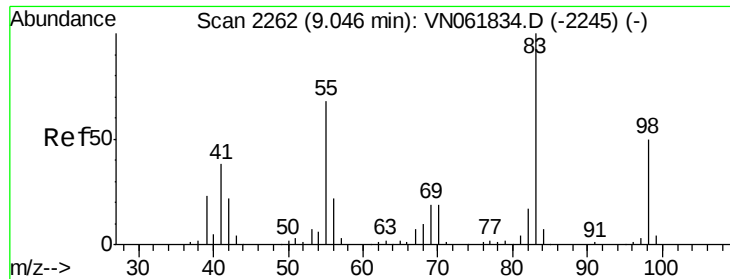
MMDadoda
6/18/2020 9:37:37 AM



#38
Carbon Tetrachloride
Concen: 48.723 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VN061863.D
Acq: 17 Jun 2020 21:04

Tgt Ion	117	119	121
Resp	127810		
Ratio	100	98.4	29.8
Lower		75.8	23.8
Upper		113.6	35.6





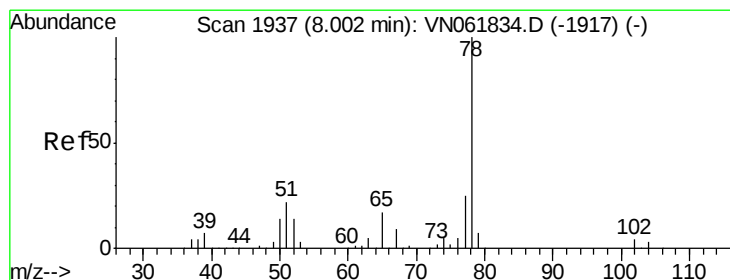
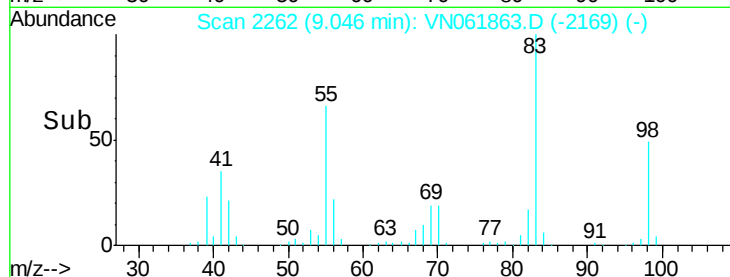
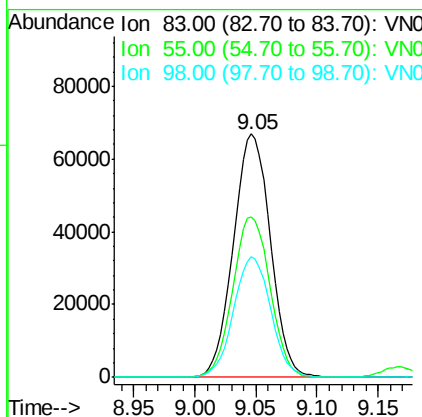
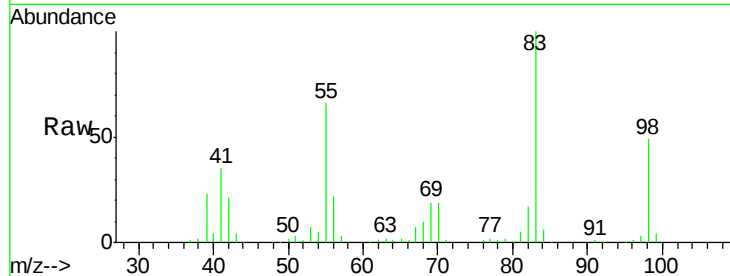
#39
Methvlcvclohexane
Concen: 49.389 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN061863.D
Acq: 17 Jun 2020 21:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	66.1	54.2	81.4
98	49.4	39.8	59.6

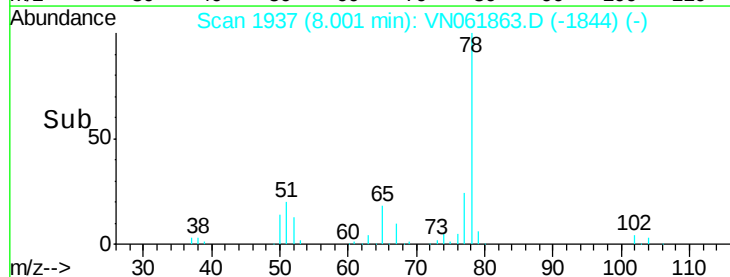
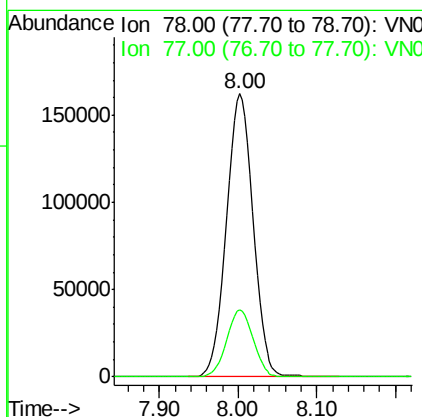
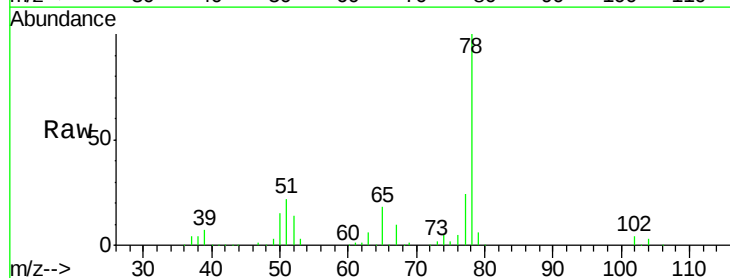
Manual Integrations
APPROVED

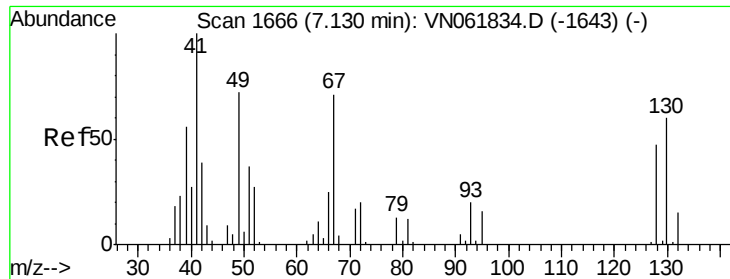
MMDadoda
6/18/2020 9:37:37 AM



#40
Benzene
Concen: 47.362 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN061863.D
Acq: 17 Jun 2020 21:04

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.7	29.5





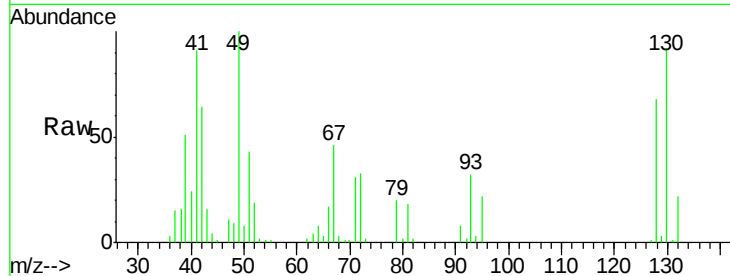
#41
Methacrylonitrile
Concen: 51.432 ug/l m
RT: 7.14 min Scan# 1668
Delta R.T. 0.01 min
Lab File: VN061863.D
Acq: 17 Jun 2020 21:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

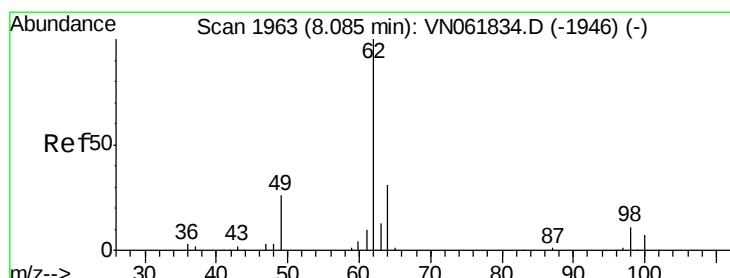
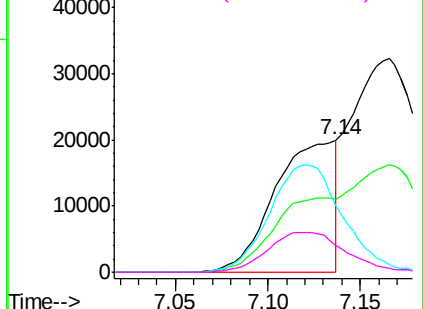
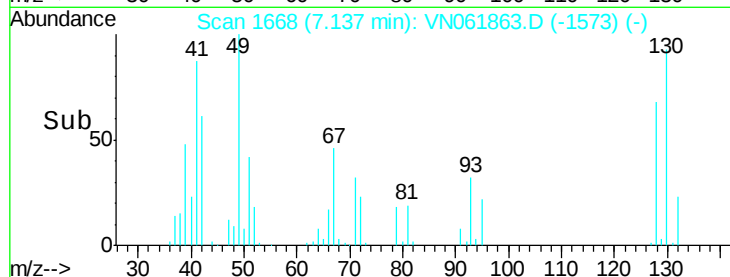
Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		45494		
39	0.0	0.0	0.0		
67	0.0	0.0	0.0		
52	0.0	0.0	0.0		

Manual Integrations
APPROVED

MMDadoda
6/18/2020 9:37:37 AM

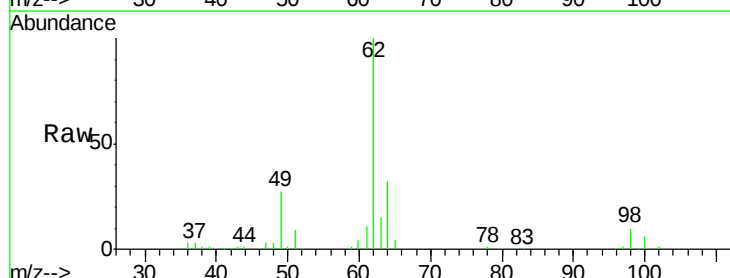


Abundance Ion 41.00 (40.70 to 41.70): VN061863.D (-1573) (-)
Ion 39.00 (38.70 to 39.70): VN061863.D (-1573) (-)
Ion 67.00 (66.70 to 67.70): VN061863.D (-1573) (-)
Ion 52.00 (51.70 to 52.70): VN061863.D (-1573) (-)

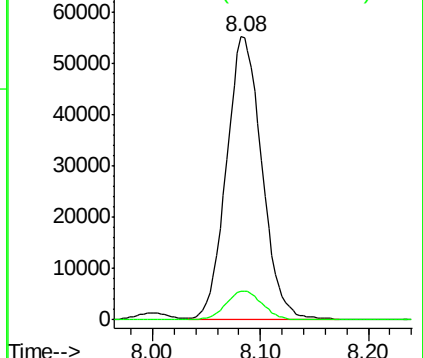
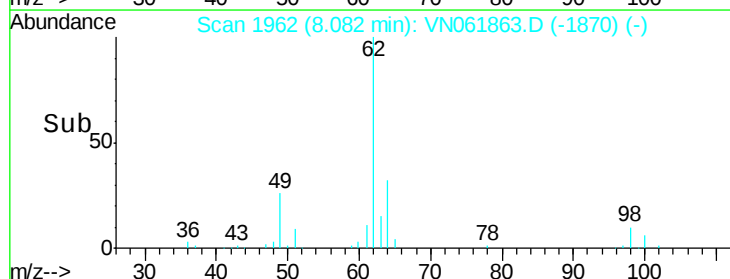


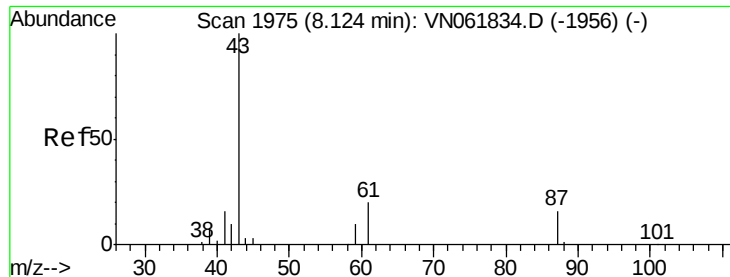
#42
1,2-Dichloroethane
Concen: 46.434 ug/l
RT: 8.08 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VN061863.D
Acq: 17 Jun 2020 21:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		127047		
98	10.3	0.0	20.4		



Abundance Ion 61.90 (61.60 to 62.60): VN061863.D (-1870) (-)
Ion 97.90 (97.60 to 98.60): VN061863.D (-1870) (-)





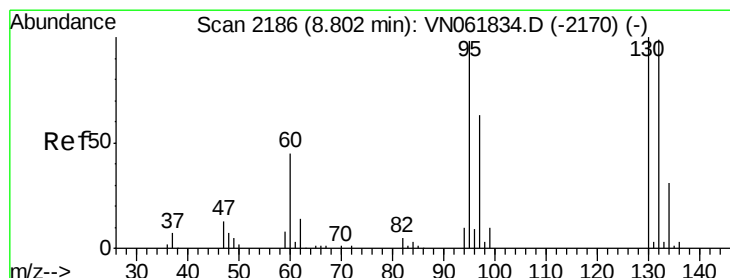
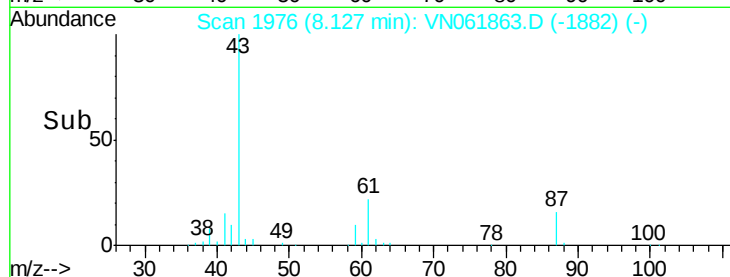
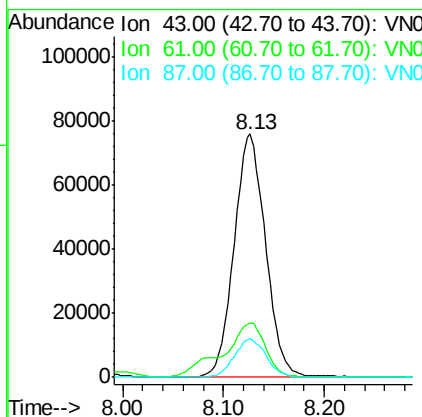
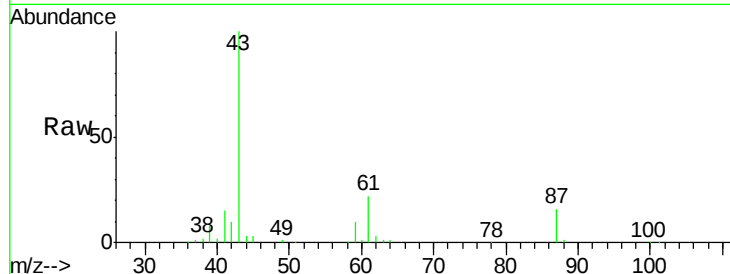
#43
Isopropyl Acetate
Concen: 47.262 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN061863.D
Acq: 17 Jun 2020 21:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.3	24.0	36.0
87	15.9	12.5	18.7

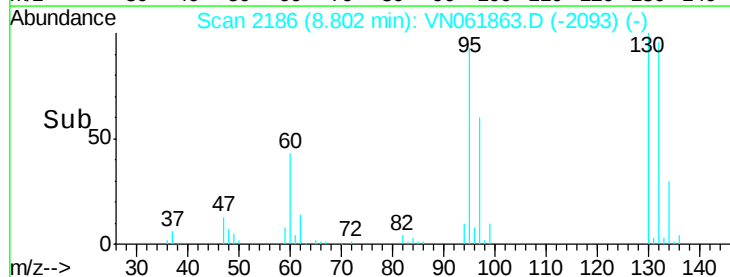
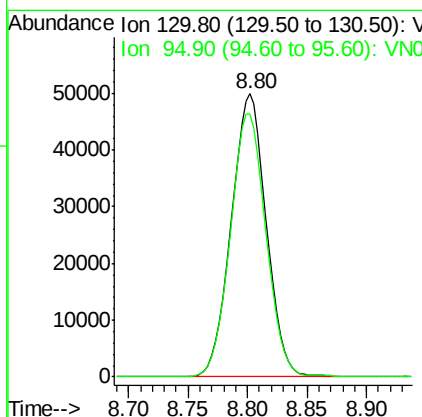
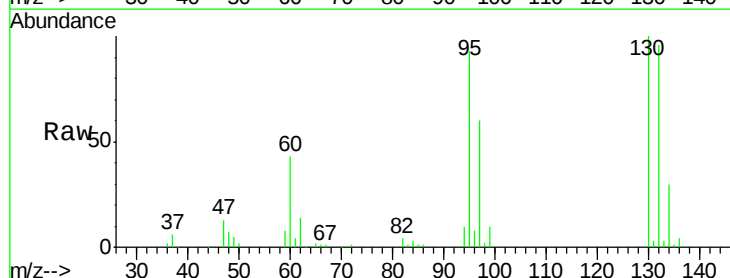
Manual Integrations
APPROVED

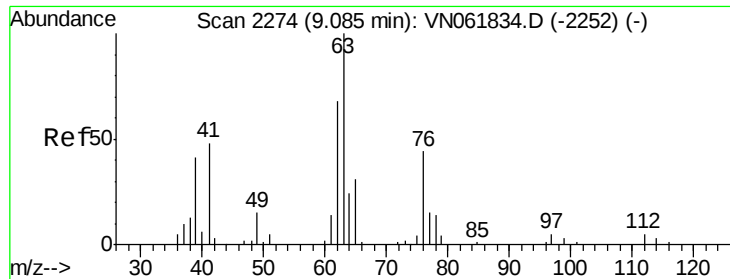
MMDadoda
6/18/2020 9:37:37 AM



#44
Trichloroethene
Concen: 48.075 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. -0.00 min
Lab File: VN061863.D
Acq: 17 Jun 2020 21:04

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.0	0.0	195.6





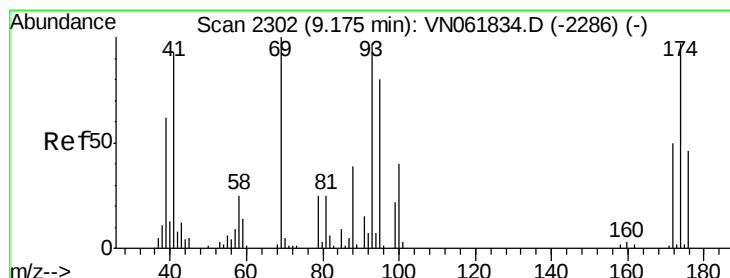
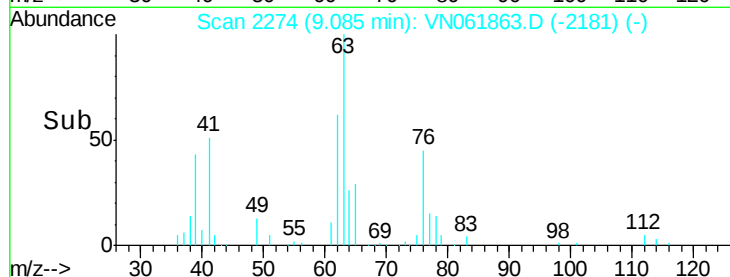
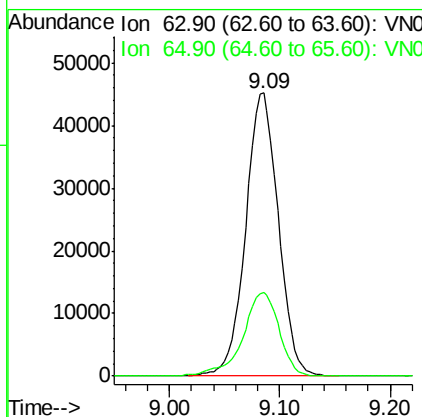
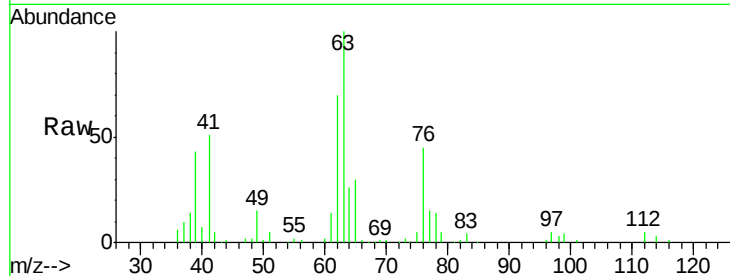
#45
 1,2-Dichloropropane
 Concen: 47.092 ug/l
 RT: 9.09 min Scan# 2274
 Delta R.T. -0.00 min
 Lab File: VN061863.D
 Acq: 17 Jun 2020 21:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 92865
 Ion Ratio Lower Upper
 63 100
 65 29.6 25.1 37.7

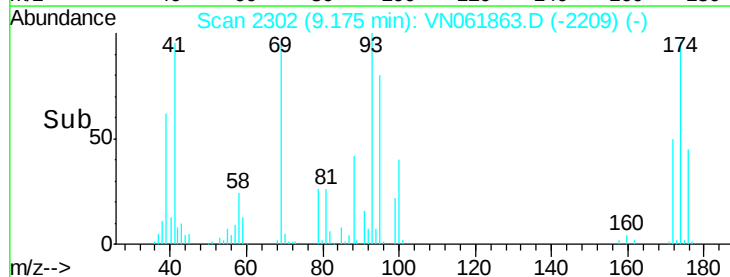
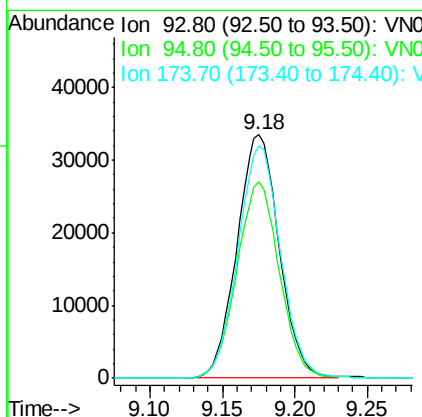
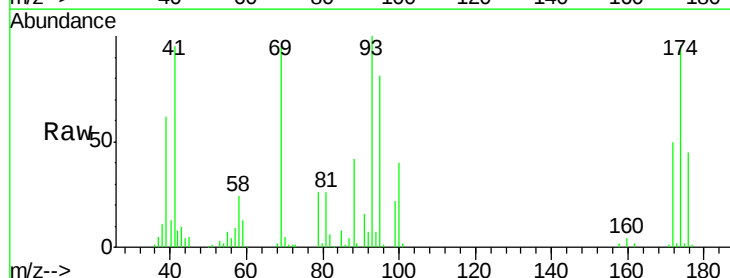
Manual Integrations
 APPROVED

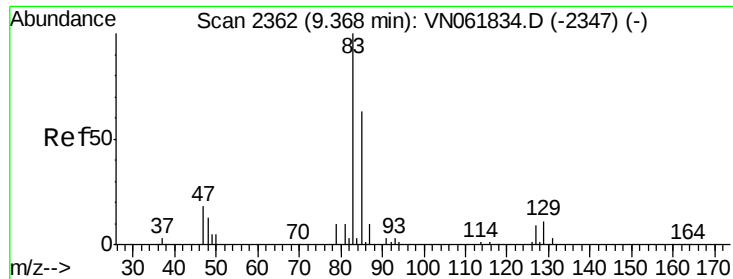
MMDadoda
 6/18/2020 9:37:37 AM



#46
 Dibromomethane
 Concen: 48.824 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. -0.00 min
 Lab File: VN061863.D
 Acq: 17 Jun 2020 21:04

Tgt Ion: 93 Resp: 67799
 Ion Ratio Lower Upper
 93 100
 95 81.2 65.8 98.6
 174 96.2 78.5 117.7





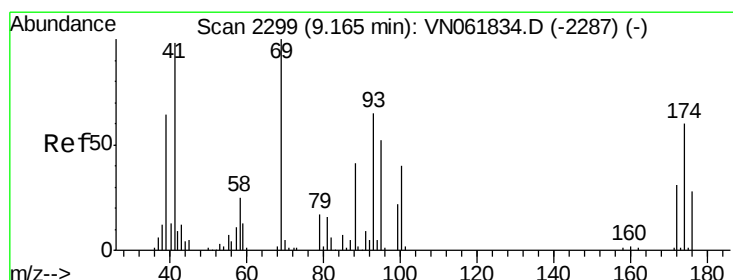
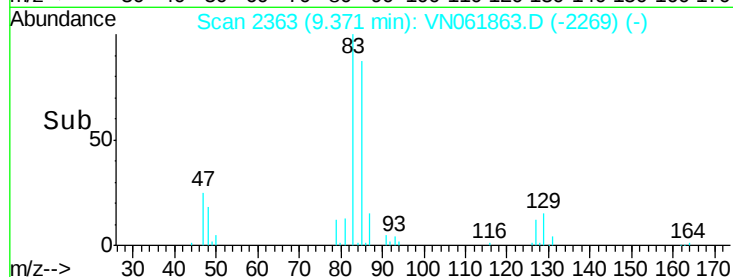
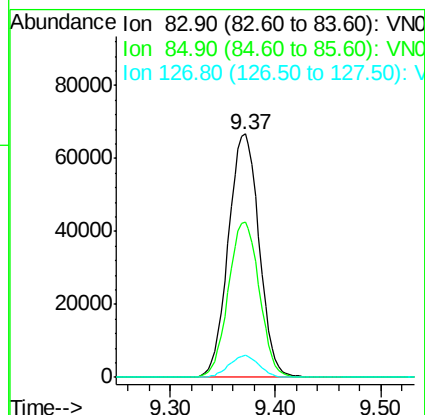
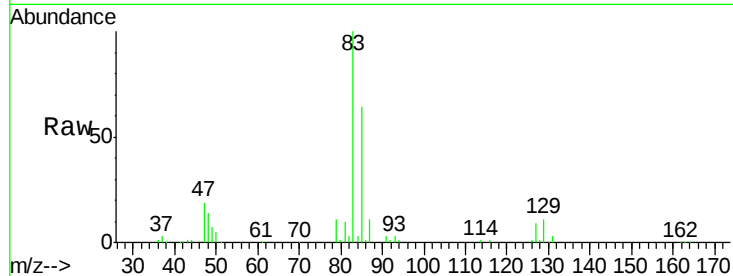
#47
Bromodichloromethane
Concen: 47.405 ug/l
RT: 9.37 min Scan# 2363
Delta R.T. 0.00 min
Lab File: VN061863.D
Acq: 17 Jun 2020 21:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	63.6	50.8	76.2	
127	9.0	7.0	10.4	

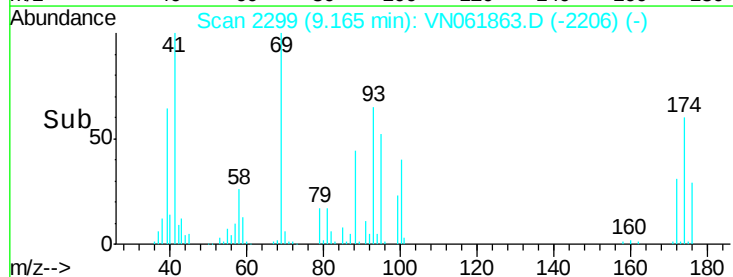
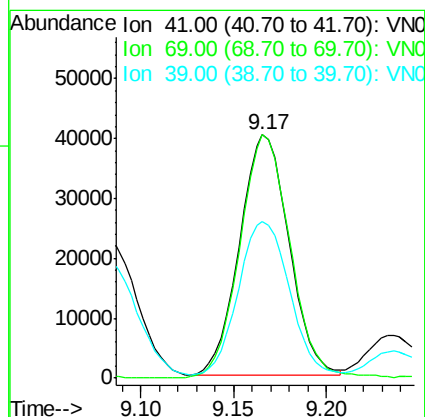
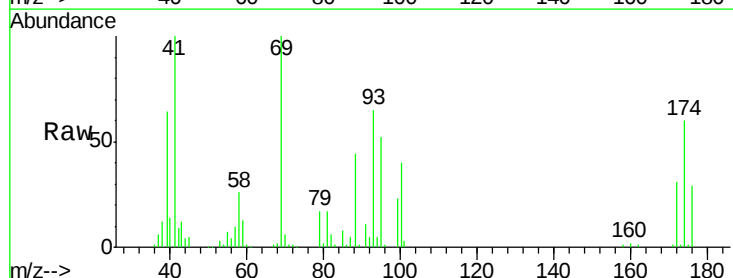
Manual Integrations
APPROVED

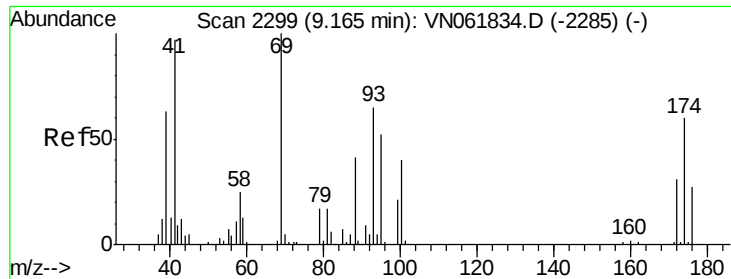
MMDadoda
6/18/2020 9:37:37 AM



#48
Methyl methacrylate
Concen: 46.876 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN061863.D
Acq: 17 Jun 2020 21:04

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	103.1	83.0	124.4	
39	68.3	55.1	82.7	





#49

1,4-Dioxane

Concen: 977.742 ug/l

RT: 9.17 min Scan# 2299

Delta R.T. -0.00 min

Lab File: VN061863.D

Acq: 17 Jun 2020 21:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 88 Resp: 35587

Ion Ratio Lower Upper

88 100

43 27.1 23.4 35.2

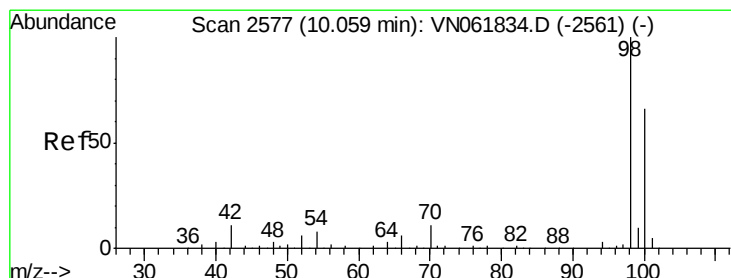
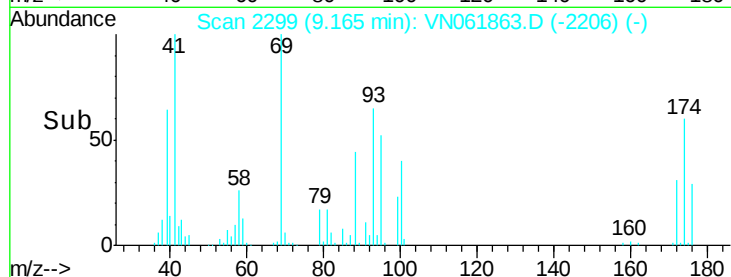
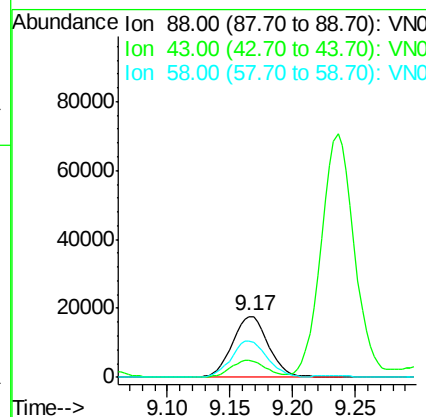
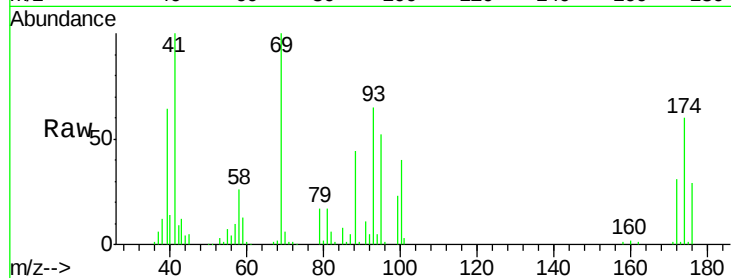
58 59.2 49.8 74.6

Manual Integrations

APPROVED

MMDadoda

6/18/2020 9:37:37 AM



#50

Toluene-d8

Concen: 50.335 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN061863.D

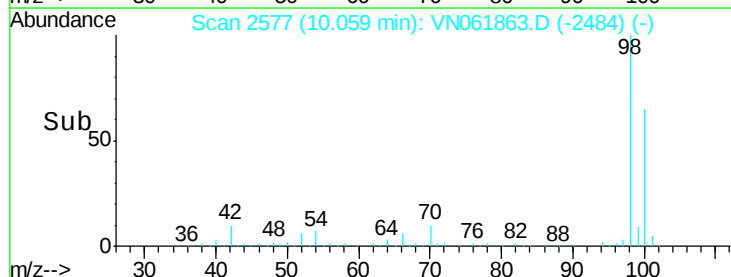
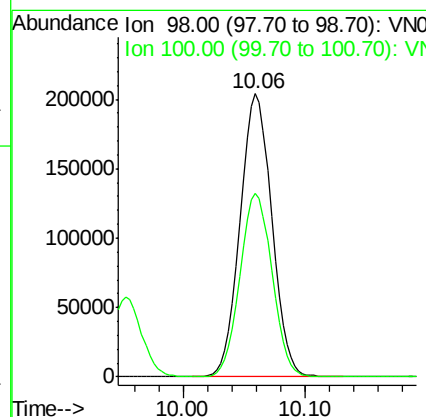
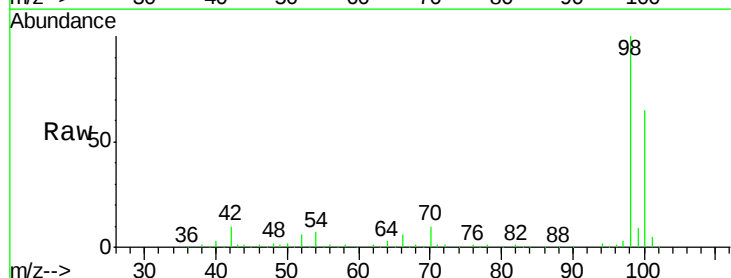
Acq: 17 Jun 2020 21:04

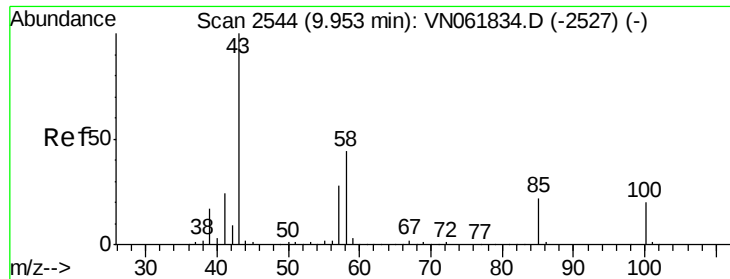
Tgt Ion: 98 Resp: 367666

Ion Ratio Lower Upper

98 100

100 65.8 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: 240.324 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN061863.D

Acq: 17 Jun 2020 21:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 495073

Ion Ratio Lower Upper

43 100

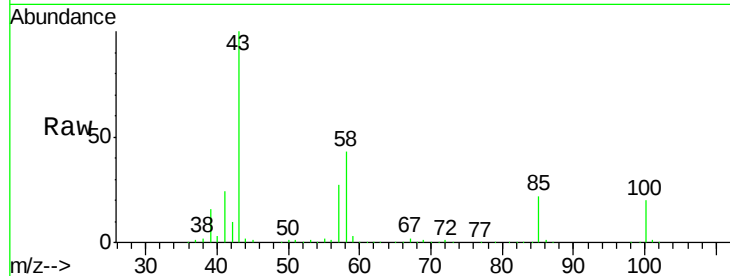
58 43.3 34.6 52.0

Manual Integrations

APPROVED

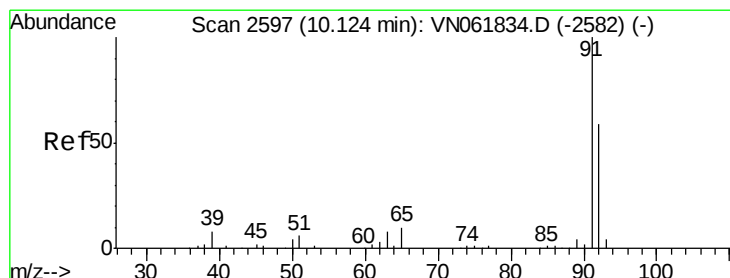
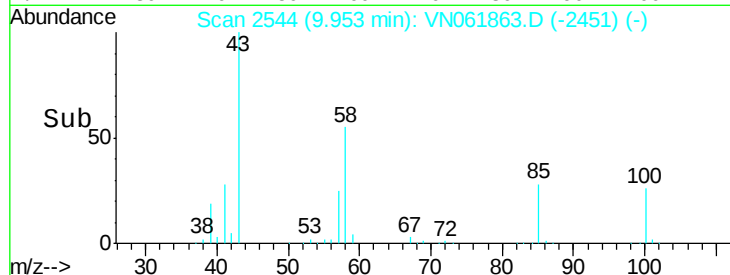
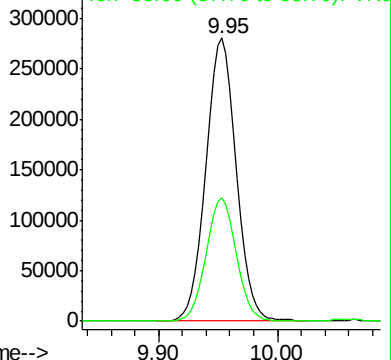
MMDadoda

6/18/2020 9:37:37 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 48.751 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN061863.D

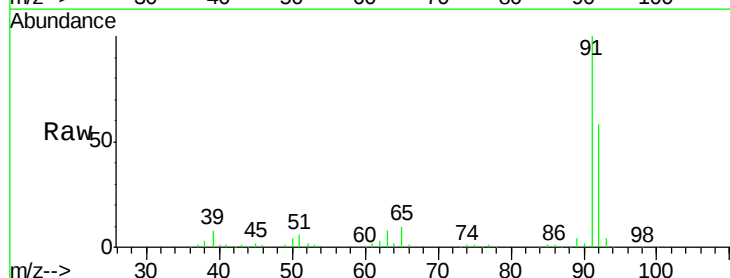
Acq: 17 Jun 2020 21:04

Tgt Ion: 92 Resp: 245682

Ion Ratio Lower Upper

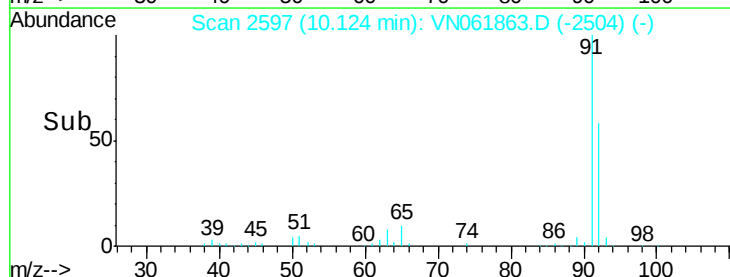
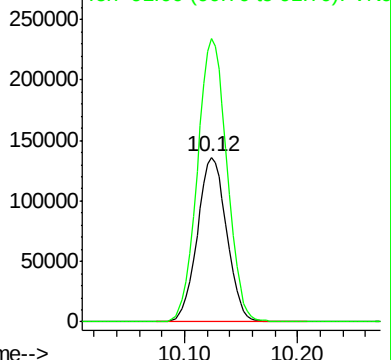
92 100

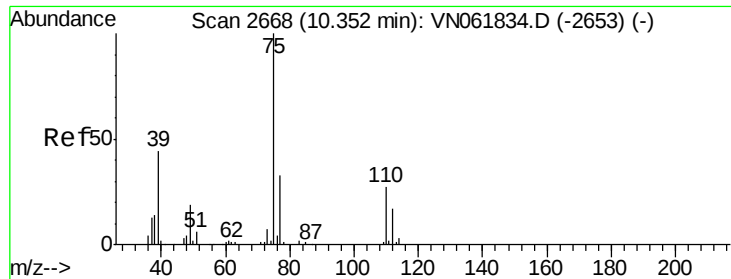
91 173.6 137.1 205.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





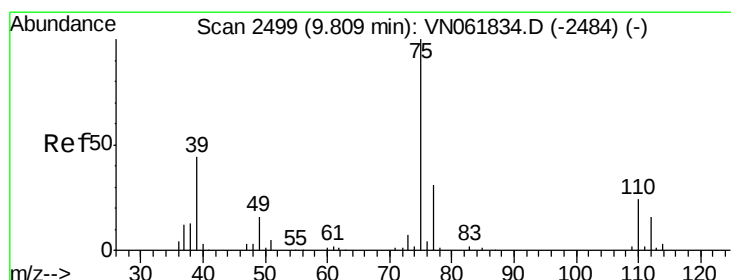
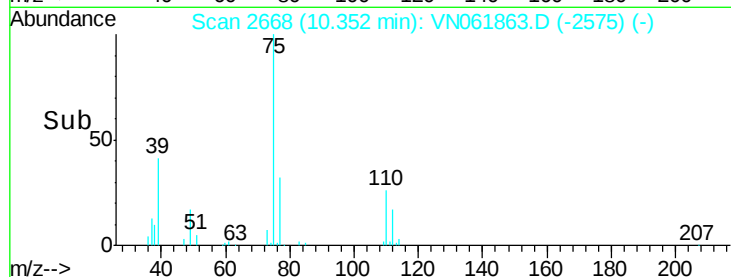
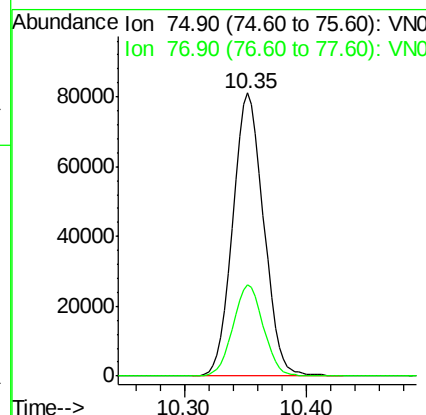
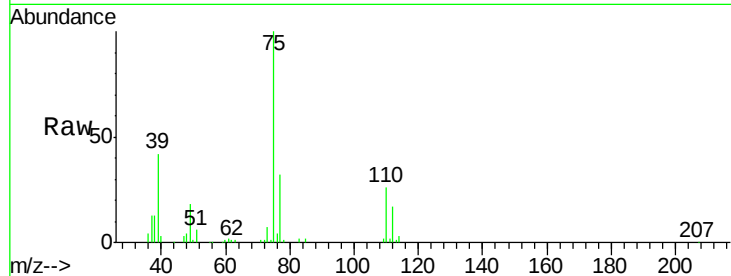
#53
t-1,3-Dichloropropene
Concen: 47.462 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN061863.D
Acq: 17 Jun 2020 21:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	26.3	39.5

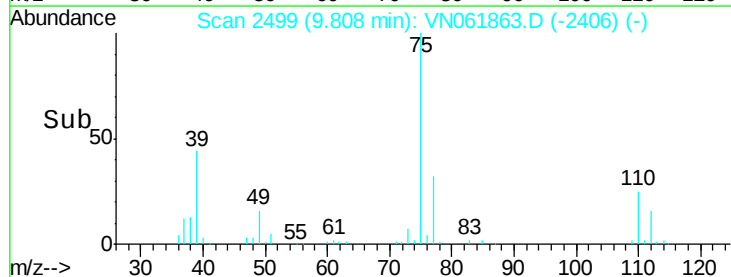
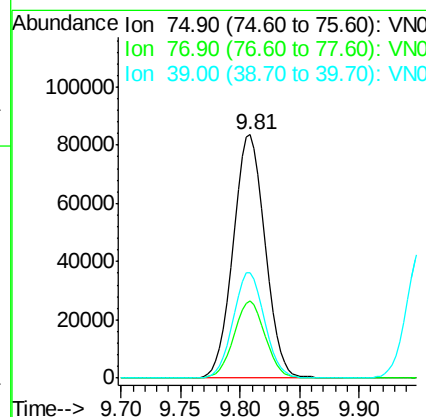
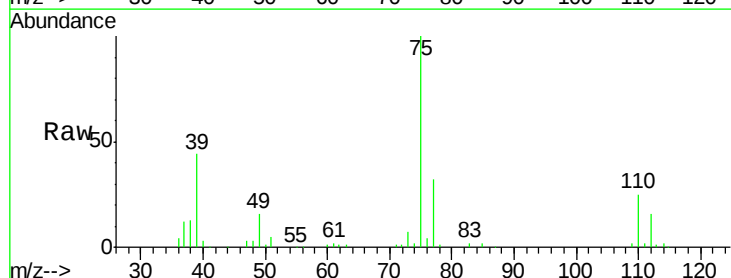
Manual Integrations
APPROVED

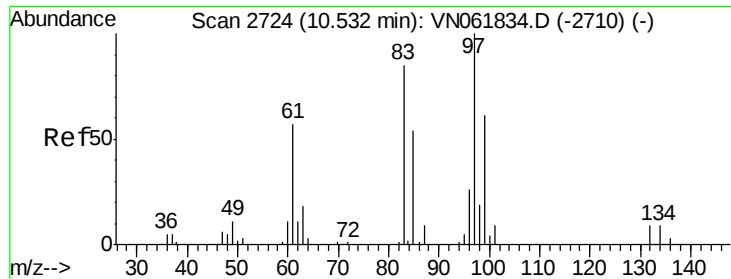
MMDadoda
6/18/2020 9:37:37 AM



#54
cis-1,3-Dichloropropene
Concen: 47.530 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VN061863.D
Acq: 17 Jun 2020 21:04

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	24.8	37.2
39	43.5	35.4	53.0





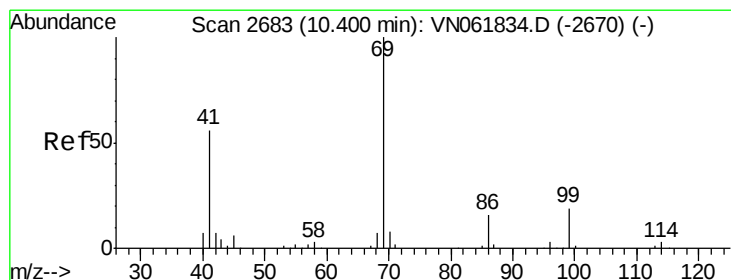
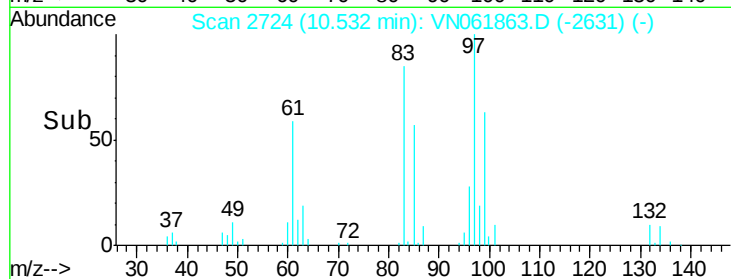
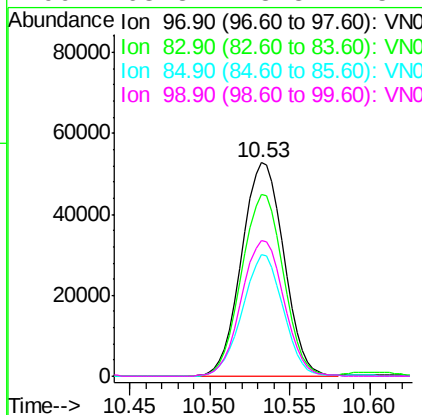
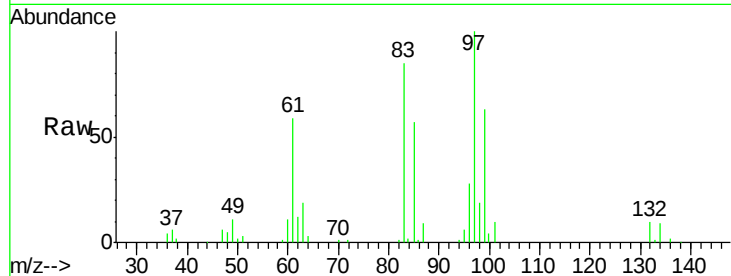
#55
 1,1,2-Trichloroethane
 Concen: 48.202 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN061863.D
 Acq: 17 Jun 2020 21:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	95575
Ion	Ratio	Lower	Upper
97	100		
83	85.4	67.7	101.5
85	56.8	43.4	65.0
99	63.3	48.8	73.2

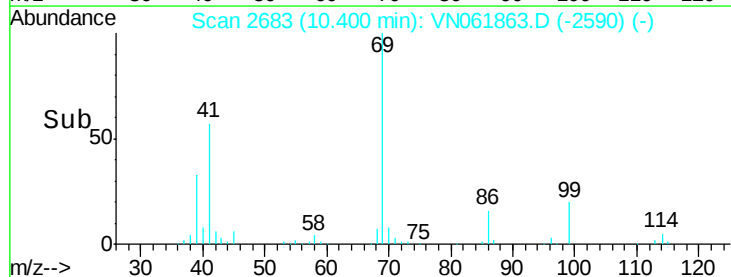
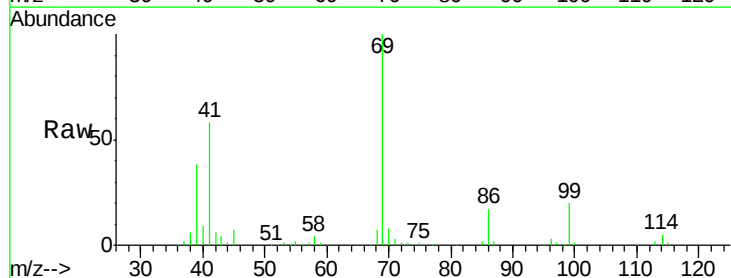
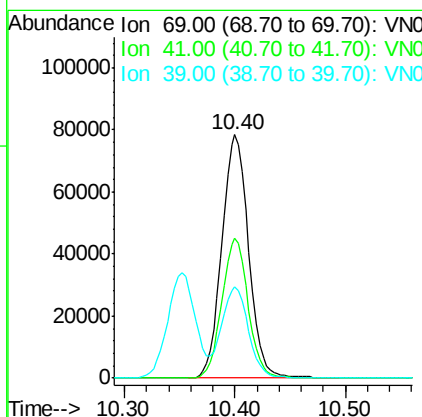
Manual Integrations
 APPROVED

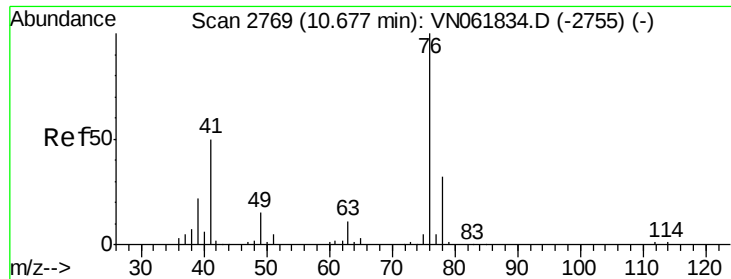
MMDadoda
 6/18/2020 9:37:37 AM



#56
 Ethyl methacrylate
 Concen: 43.966 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN061863.D
 Acq: 17 Jun 2020 21:04

Tgt Ion:	69	Resp:	132031
Ion	Ratio	Lower	Upper
69	100		
41	56.4	44.9	67.3
39	37.2	30.0	45.0





#57

1,3-Dichloropropane

Concen: 47.854 ug/l

RT: 10.68 min Scan# 2769

Delta R.T. -0.00 min

Lab File: VN061863.D

Acq: 17 Jun 2020 21:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 160747

Ion Ratio Lower Upper

76 100

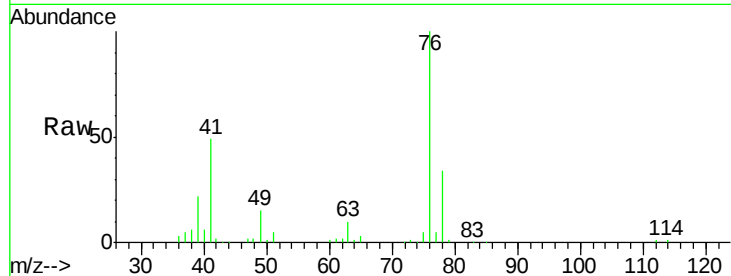
78 33.8 25.8 38.8

Manual Integrations

APPROVED

MMDadoda

6/18/2020 9:37:37 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.68

80000

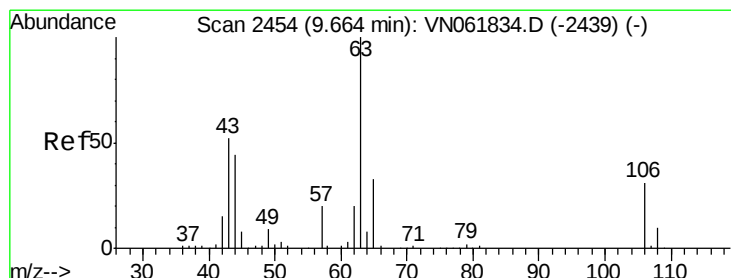
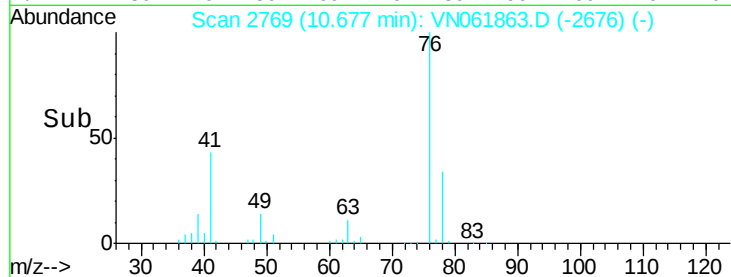
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 245.279 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. -0.00 min

Lab File: VN061863.D

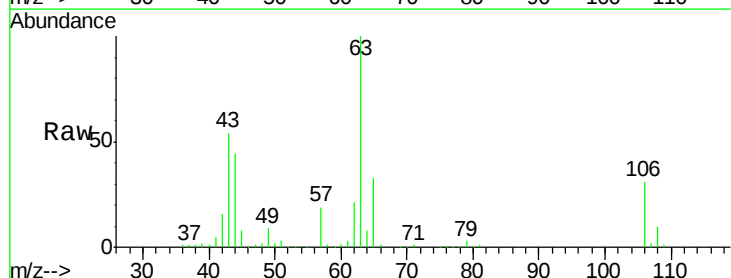
Acq: 17 Jun 2020 21:04

Tgt Ion: 63 Resp: 256671

Ion Ratio Lower Upper

63 100

106 31.9 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.66

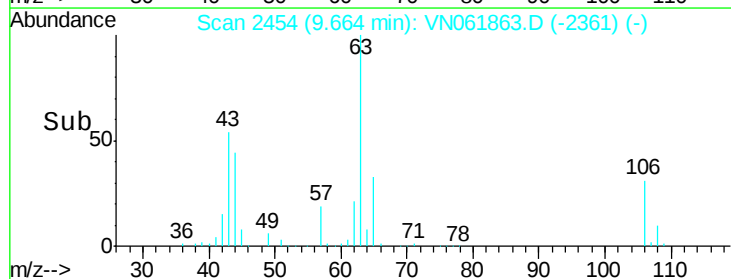
150000

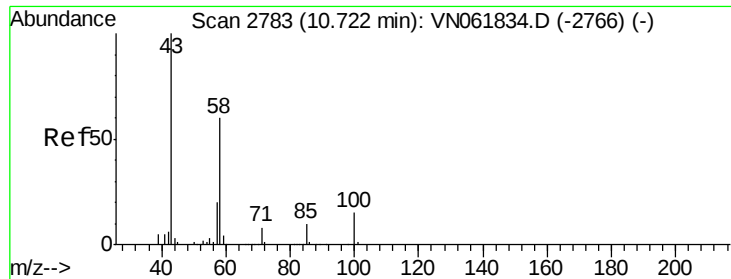
100000

50000

0

Time-->





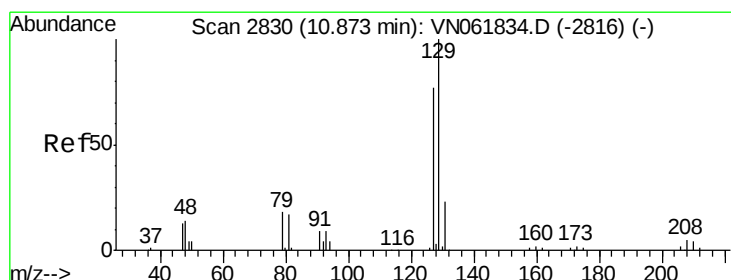
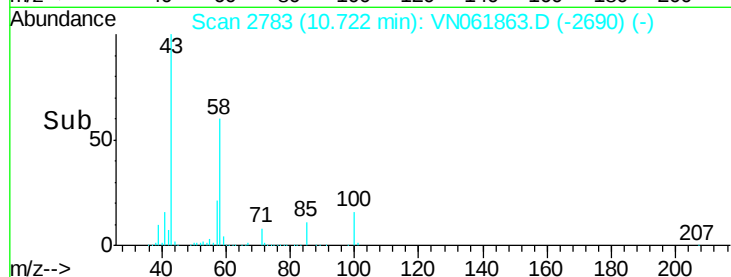
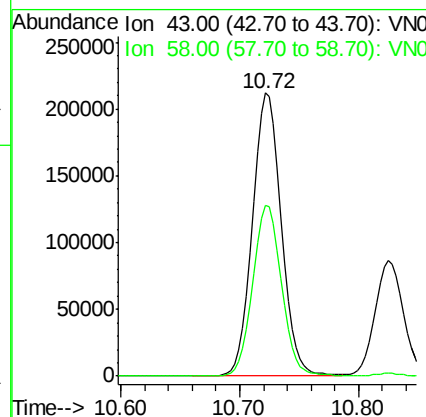
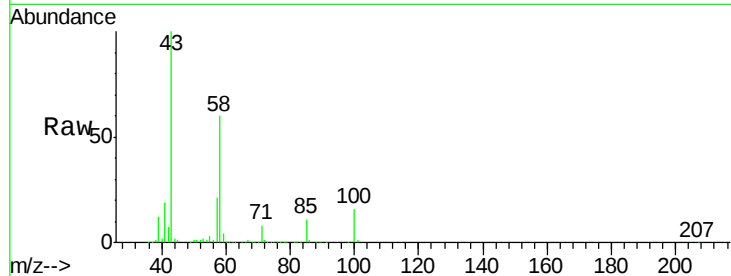
#59
2-Hexanone
Concen: 218.143 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. 0.00 min
Lab File: VN061863.D
Acq: 17 Jun 2020 21:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 356044
Ion Ratio Lower Upper
43 100
58 60.2 30.1 90.5

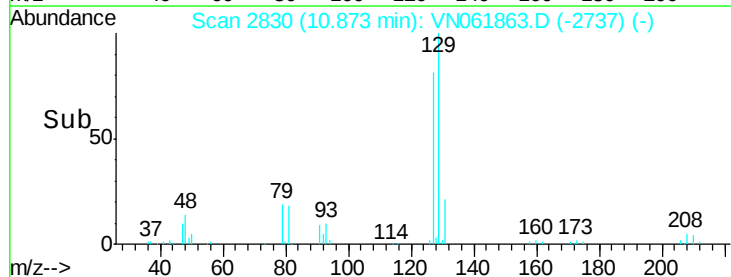
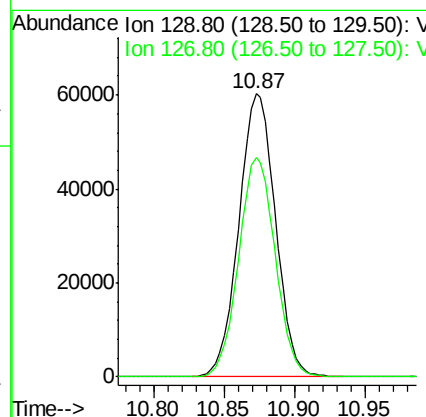
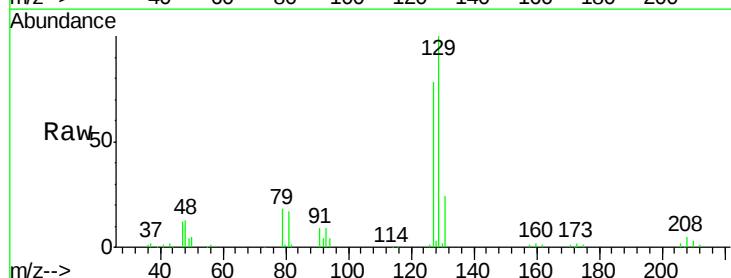
Manual Integrations
APPROVED

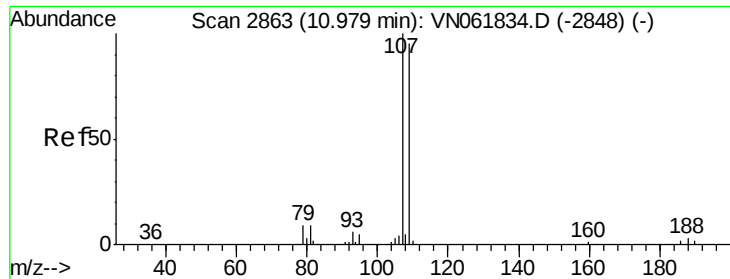
MMDadoda
6/18/2020 9:37:37 AM



#60
Dibromochloromethane
Concen: 49.486 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN061863.D
Acq: 17 Jun 2020 21:04

Tgt Ion:129 Resp: 109487
Ion Ratio Lower Upper
129 100
127 77.4 38.5 115.5





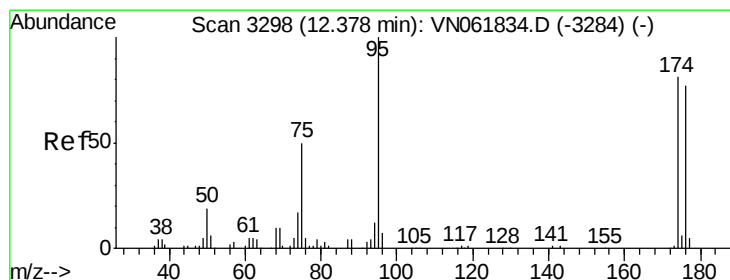
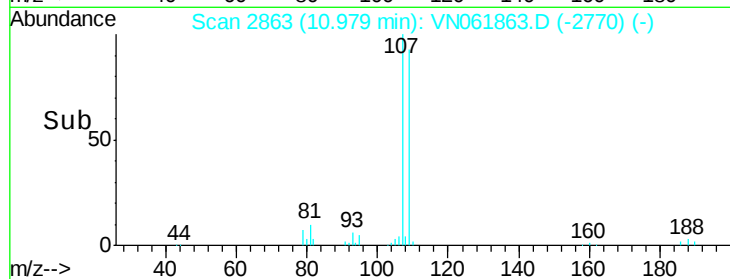
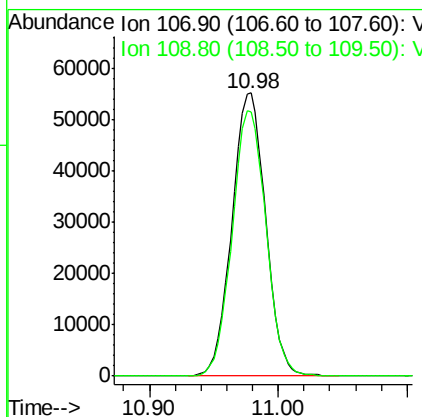
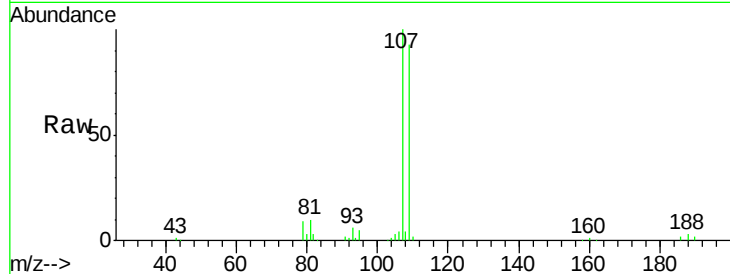
#61
 1,2-Dibromoethane
 Concen: 48.420 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. -0.00 min
 Lab File: VN061863.D
 Acq: 17 Jun 2020 21:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.4	75.0	112.6

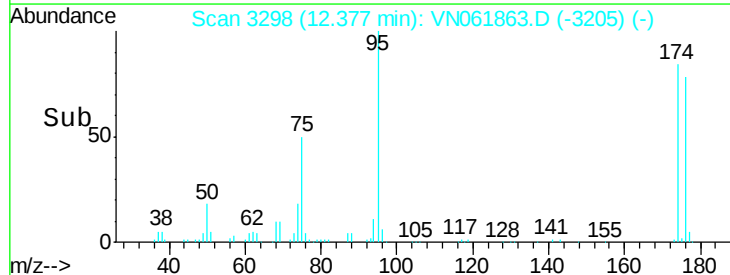
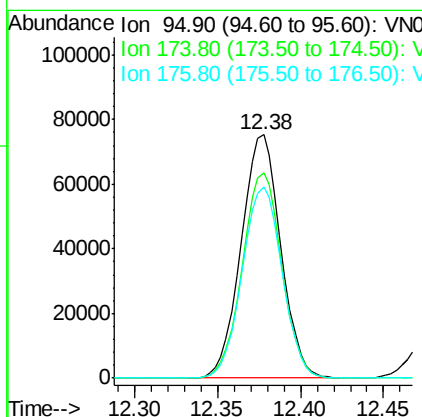
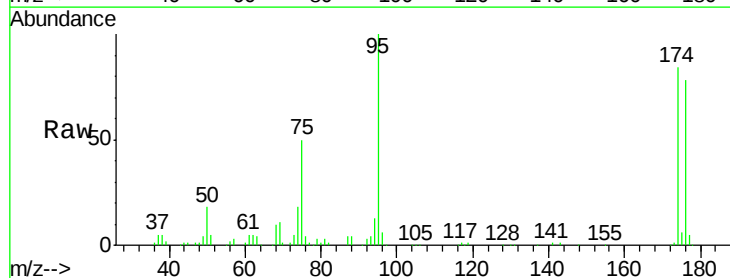
Manual Integrations
 APPROVED

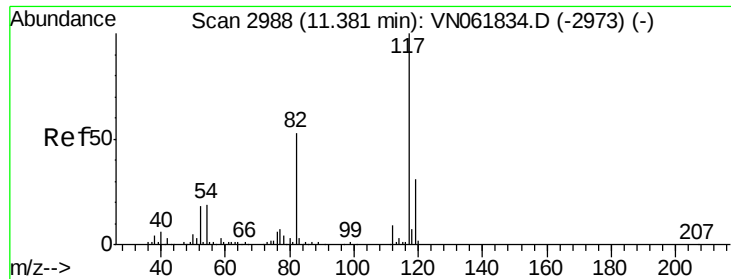
MMDadoda
 6/18/2020 9:37:37 AM



#62
 4-Bromofluorobenzene
 Concen: 49.804 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VN061863.D
 Acq: 17 Jun 2020 21:04

Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.1	0.0	158.6
176	79.6	0.0	152.0





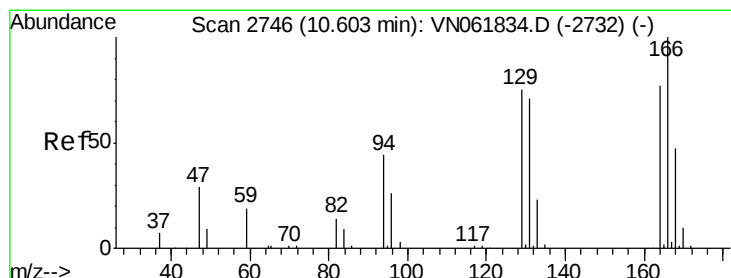
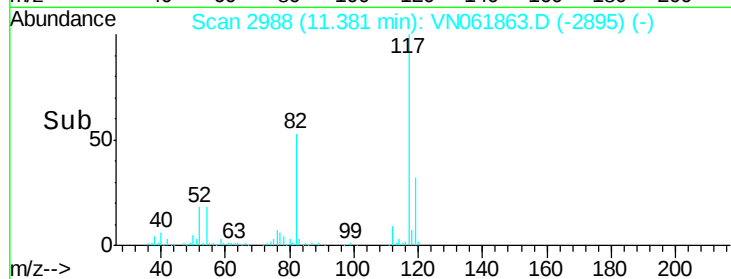
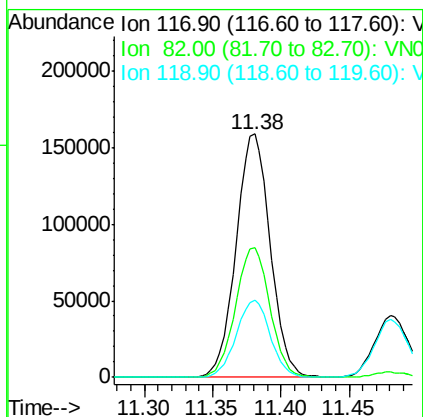
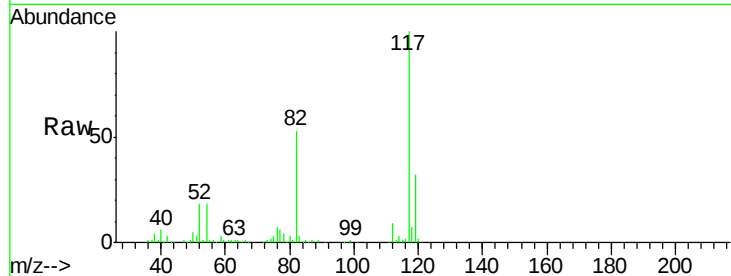
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061863.D
Acq: 17 Jun 2020 21:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.3	42.6	64.0
119	31.6	24.7	37.1

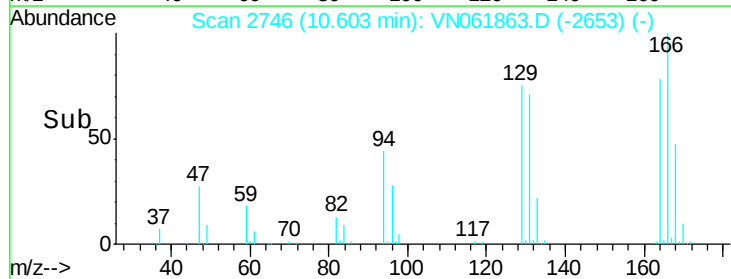
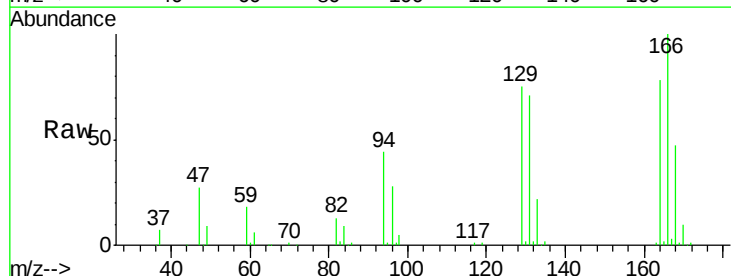
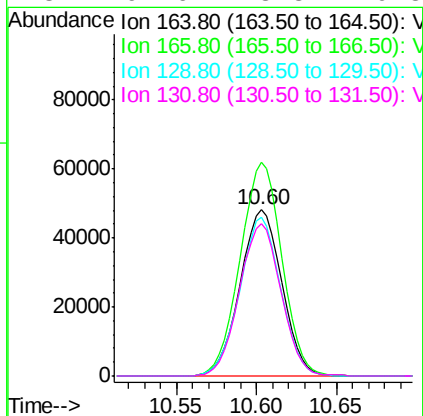
Manual Integrations
APPROVED

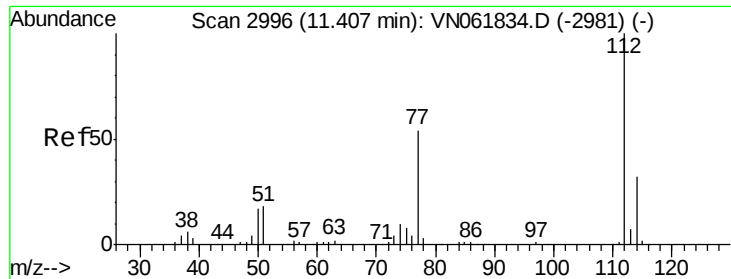
MMDadoda
6/18/2020 9:37:37 AM



#64
Tetrachloroethene
Concen: 48.757 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN061863.D
Acq: 17 Jun 2020 21:04

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.6	103.5	155.3
129	96.0	77.5	116.3
131	91.6	73.8	110.8





#65

Chlorobenzene

Concen: 45.738 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN061863.D

Acq: 17 Jun 2020 21:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 266957

Ion Ratio Lower Upper

112 100

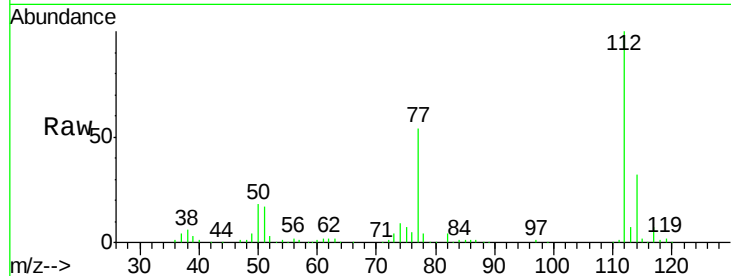
114 32.4 25.8 38.6

Manual Integrations

APPROVED

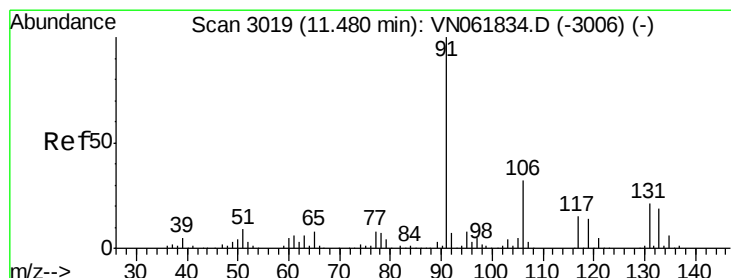
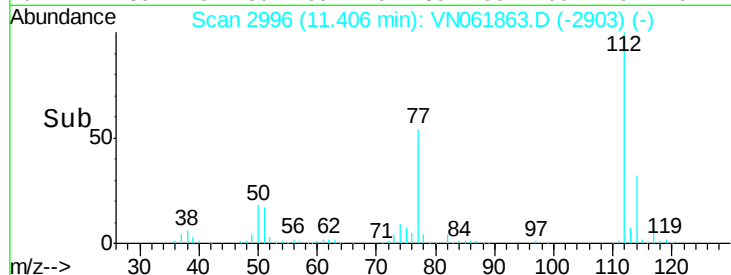
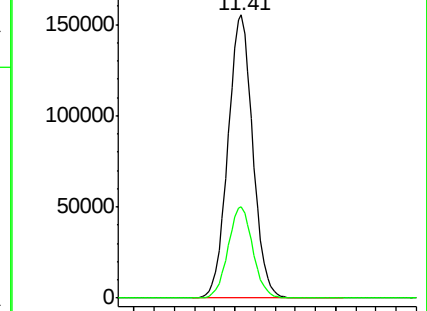
MMDadoda

6/18/2020 9:37:37 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 47.786 ug/l

RT: 11.48 min Scan# 3019

Delta R.T. -0.00 min

Lab File: VN061863.D

Acq: 17 Jun 2020 21:04

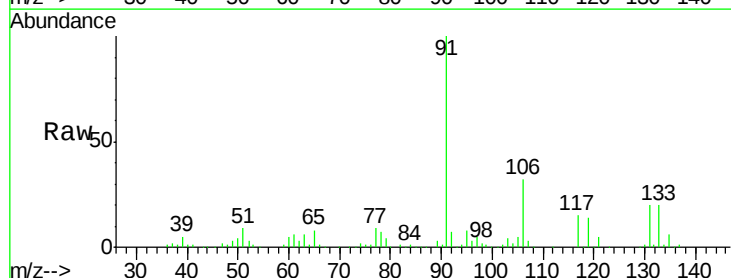
Tgt Ion:131 Resp: 97274

Ion Ratio Lower Upper

131 100

133 94.7 47.5 142.5

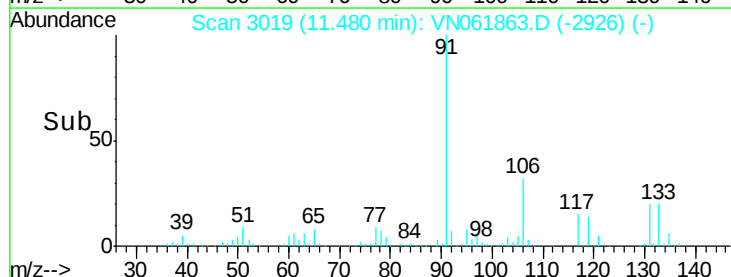
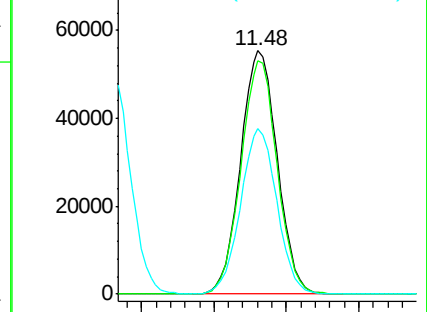
119 67.3 34.0 101.8

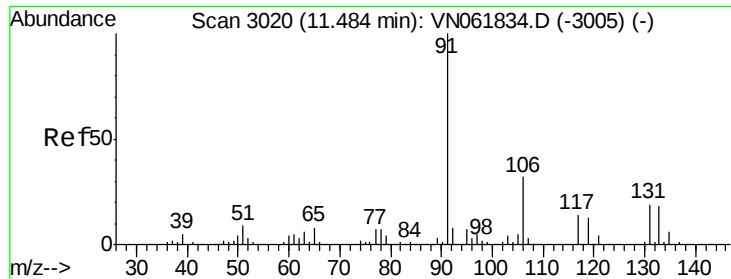


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





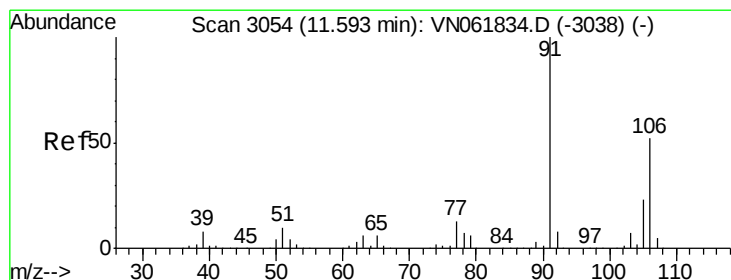
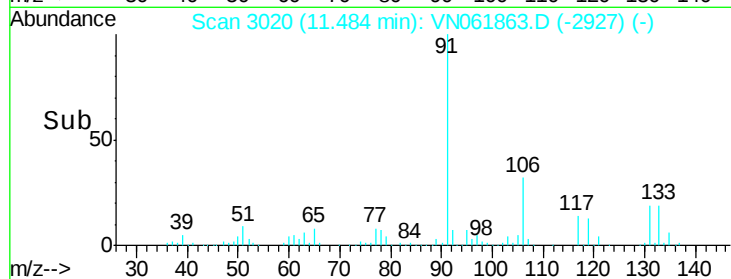
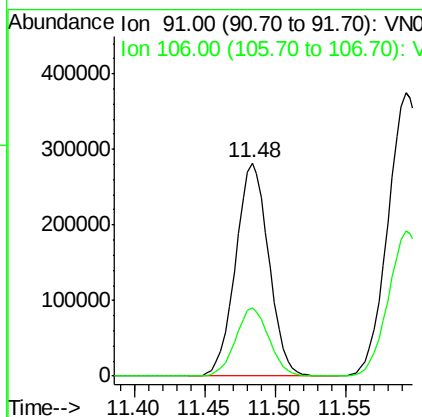
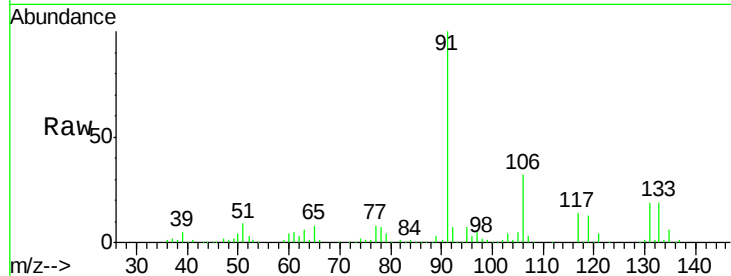
#67
Ethyl Benzene
Concen: 47.438 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN061863.D
Acq: 17 Jun 2020 21:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 464225
Ion Ratio Lower Upper
91 100
106 32.0 25.4 38.2

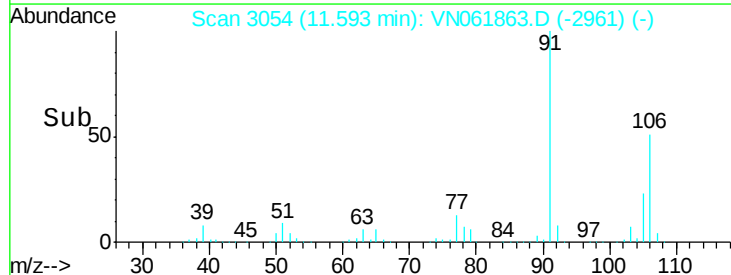
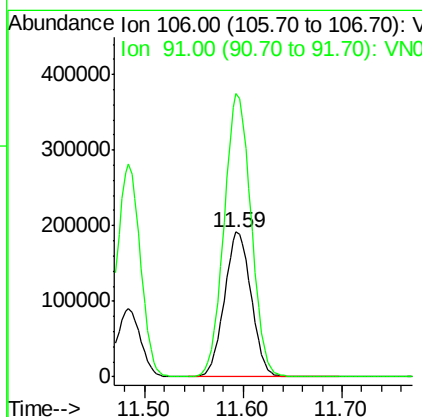
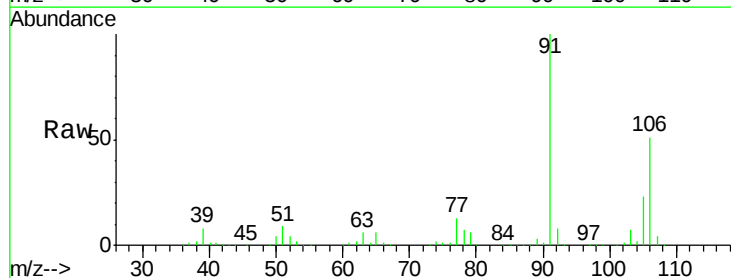
Manual Integrations
APPROVED

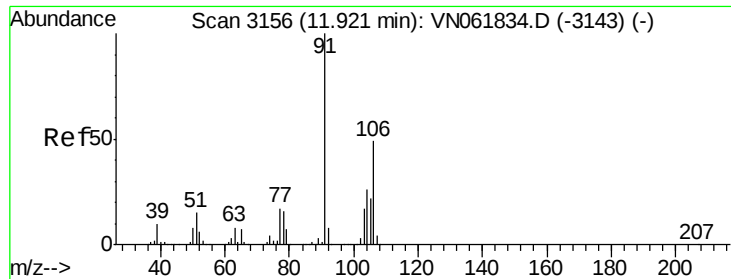
MMDadoda
6/18/2020 9:37:37 AM



#68
m/p-Xylenes
Concen: 96.758 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN061863.D
Acq: 17 Jun 2020 21:04

Tgt Ion: 106 Resp: 365114
Ion Ratio Lower Upper
106 100
91 196.4 157.0 235.6





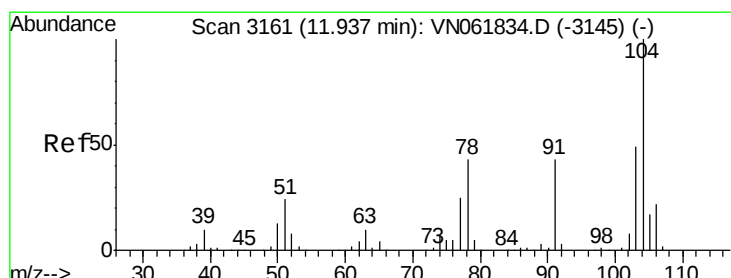
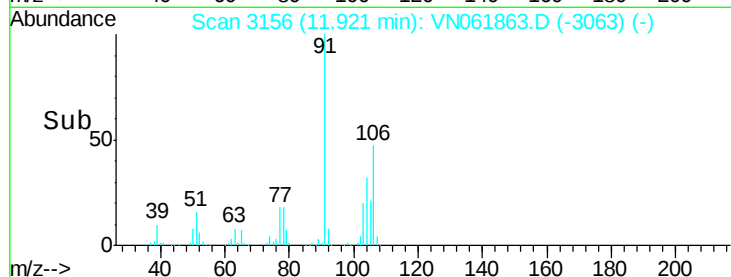
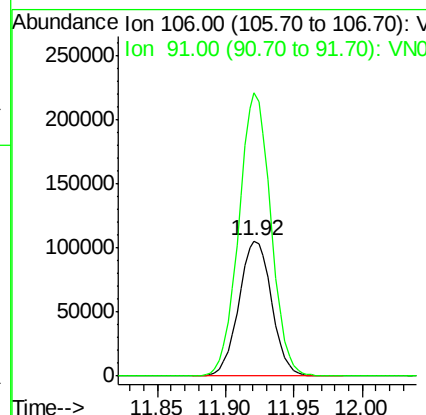
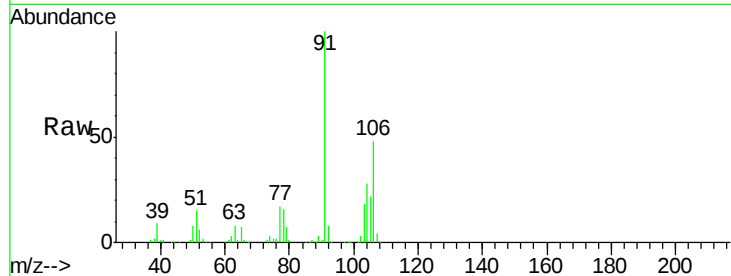
#69
o-Xylene
Concen: 48.736 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN061863.D
Acq: 17 Jun 2020 21:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	205.2	103.0	308.9	

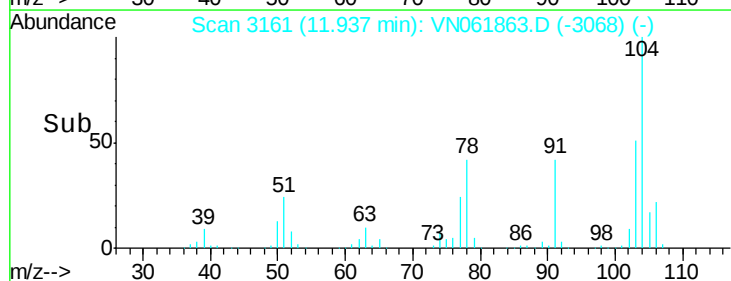
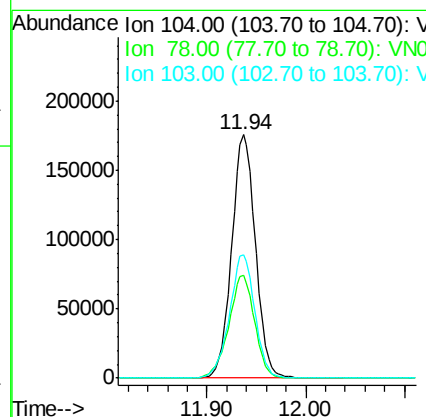
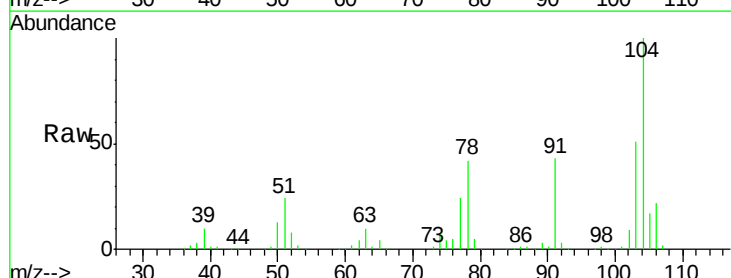
Manual Integrations
APPROVED

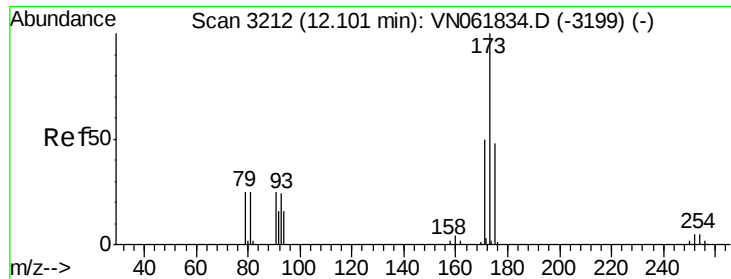
MMDadoda
6/18/2020 9:37:37 AM



#70
Styrene
Concen: 49.387 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN061863.D
Acq: 17 Jun 2020 21:04

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	45.8	37.6	56.4	
103	53.8	43.0	64.4	





#71

Bromoform

Concen: 49.007 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN061863.D

Acq: 17 Jun 2020 21:04

Instrument :

MSVOA_N

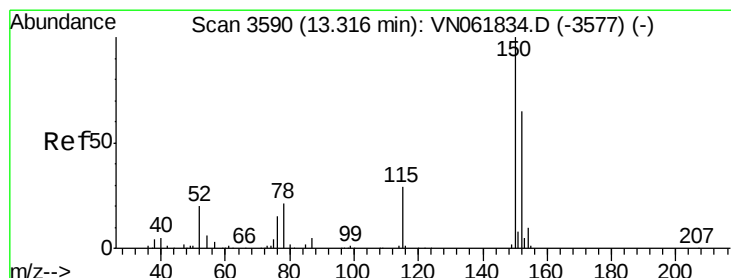
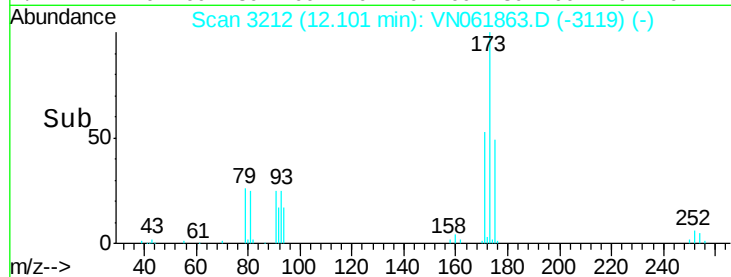
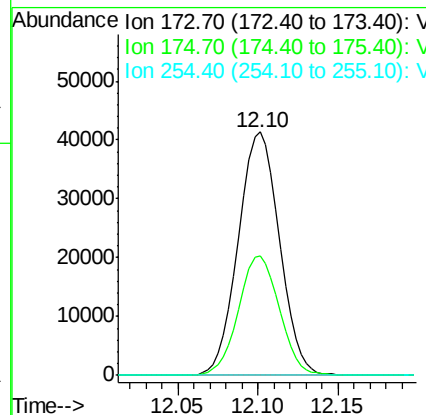
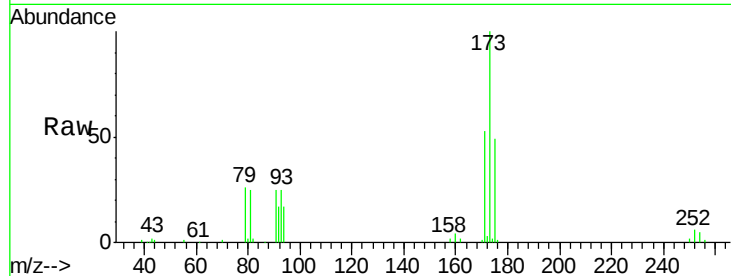
ClientSampleId :

VSTDCCC050EC

Tot Ion:	173	Resp:	72740
Ion Ratio	Lower	Upper	
173	100		
175	48.6	23.9	71.7
254	0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
6/18/2020 9:37:37 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

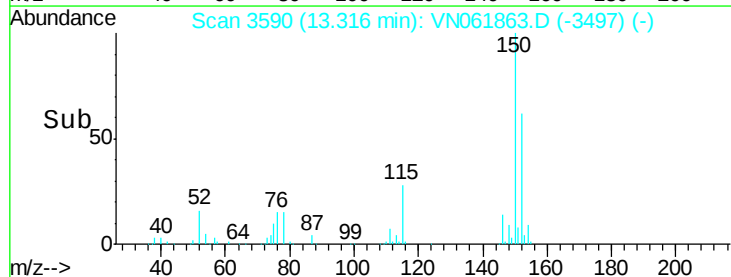
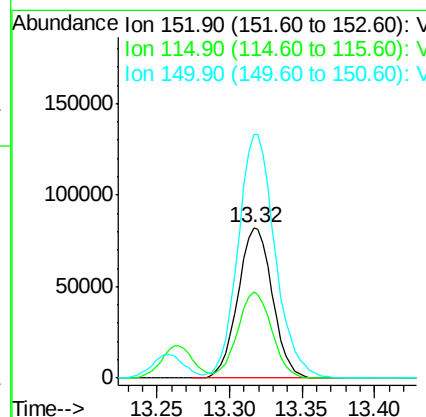
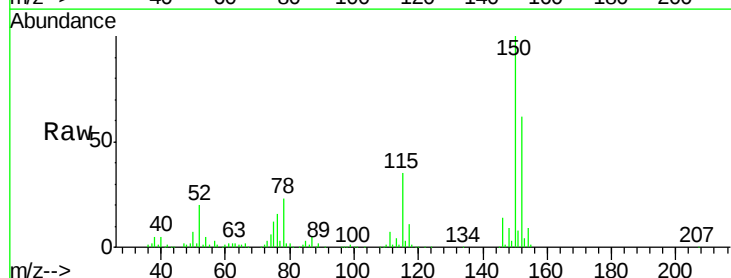
RT: 13.32 min Scan# 3590

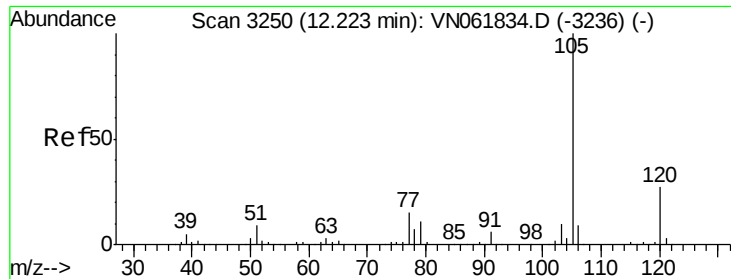
Delta R.T. -0.00 min

Lab File: VN061863.D

Acq: 17 Jun 2020 21:04

Tgt Ion:	152	Resp:	135491
Ion Ratio	Lower	Upper	
152	100		
115	56.8	29.1	87.3
150	173.9	0.0	347.6





#73

Isopropylbenzene

Concen: 47.592 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN061863.D

Acq: 17 Jun 2020 21:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 458223

Ion Ratio Lower Upper

105 100

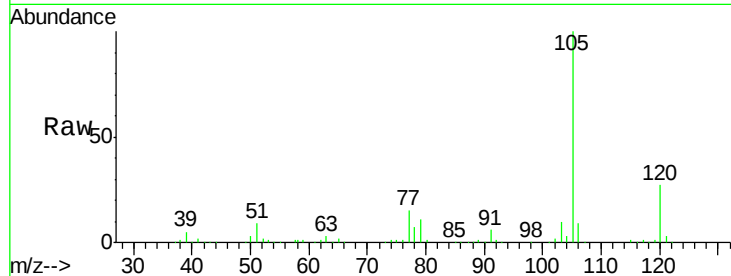
120 26.9 13.3 39.8

Manual Integrations

APPROVED

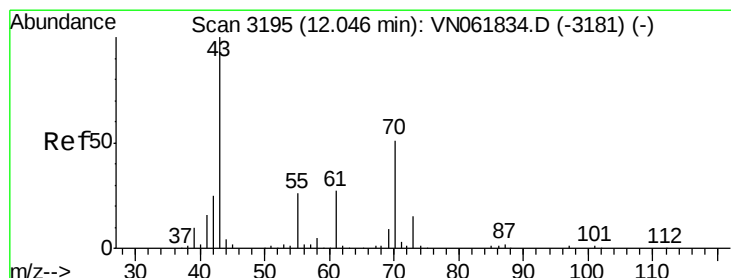
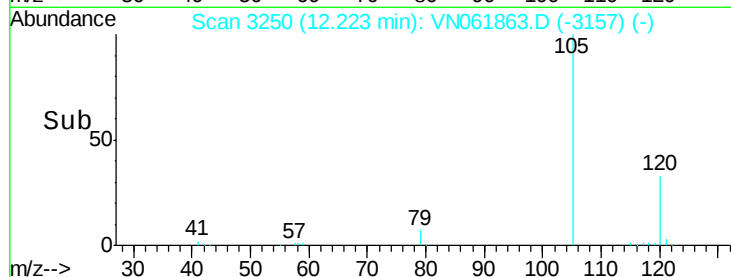
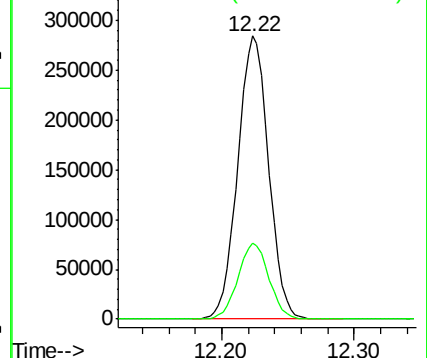
MMDadoda

6/18/2020 9:37:37 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 41.639 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN061863.D

Acq: 17 Jun 2020 21:04

Tgt Ion: 43 Resp: 143284

Ion Ratio Lower Upper

43 100

70 51.6 40.6 60.8

55 28.4 21.5 32.3

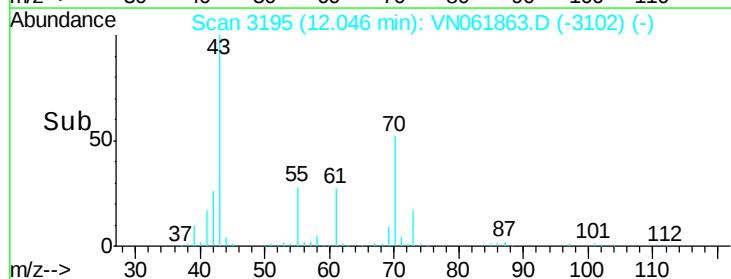
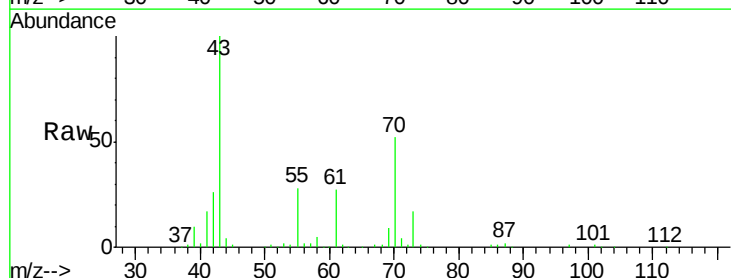
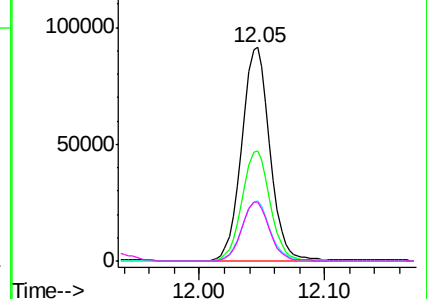
61 27.1 21.6 32.4

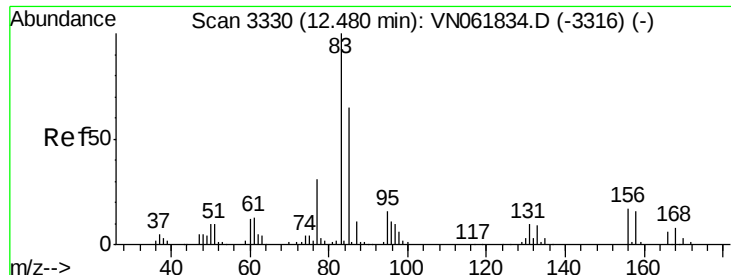
Abundance Ion 43.00 (42.70 to 43.70): V

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: 45.154 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN061863.D

Acq: 17 Jun 2020 21:04

Instrument :

MSVOA_N

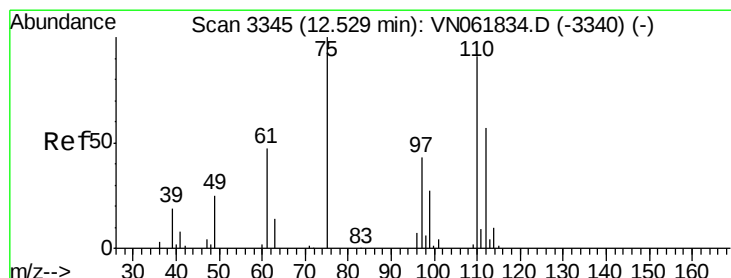
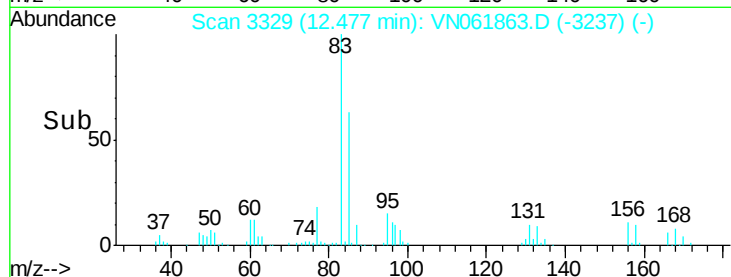
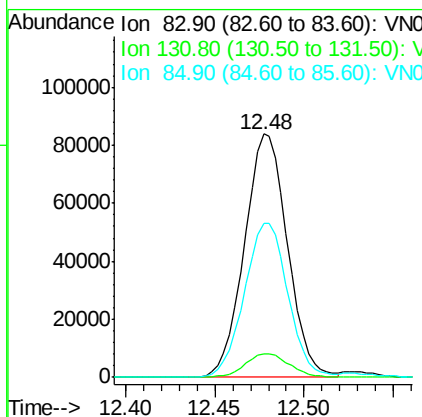
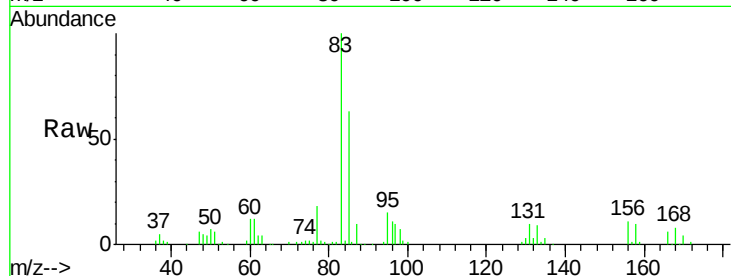
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	141346
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.0	15.0
85	63.8	32.4	97.2

Manual Integrations
APPROVED

MMDadoda
6/18/2020 9:37:37 AM



#76

1,2,3-Trichloropropane

Concen: 46.309 ug/l m

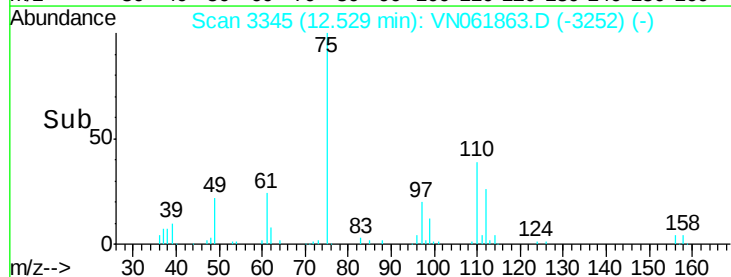
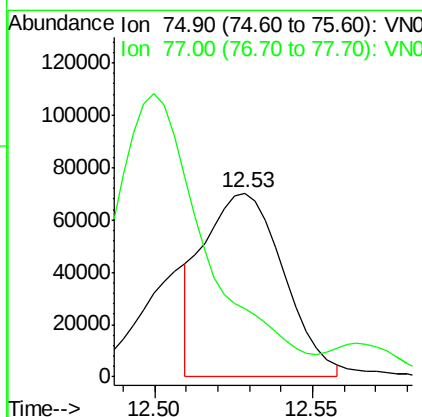
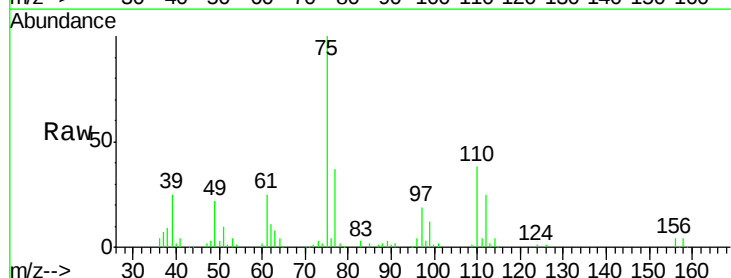
RT: 12.53 min Scan# 3345

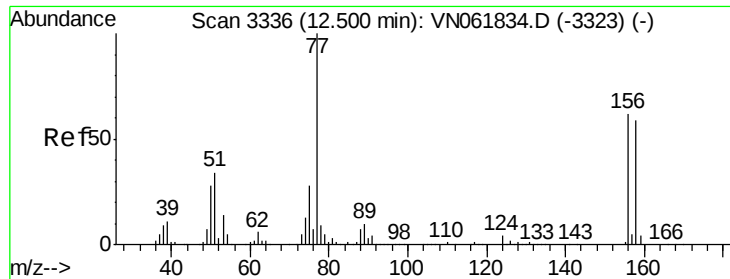
Delta R.T. -0.00 min

Lab File: VN061863.D

Acq: 17 Jun 2020 21:04

Tgt Ion:	75	Resp:	123183
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 46.578 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN061863.D

Acq: 17 Jun 2020 21:04

Instrument :

MSVOA_N

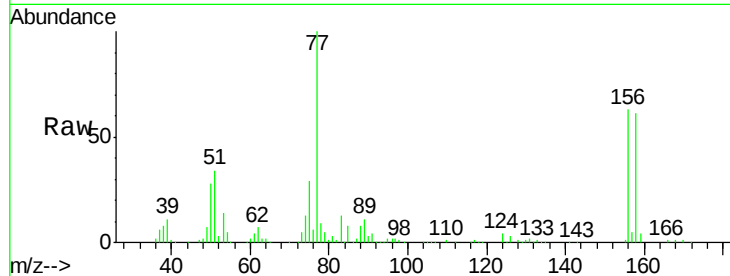
ClientSampleId :

VSTDCCC050EC

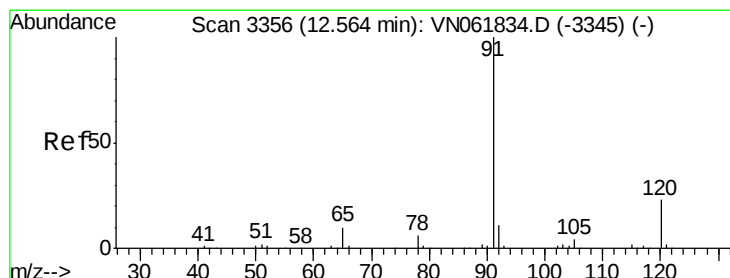
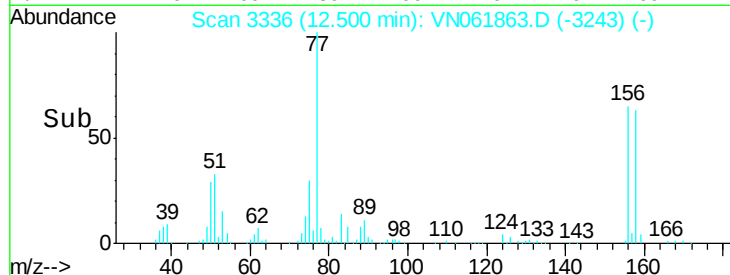
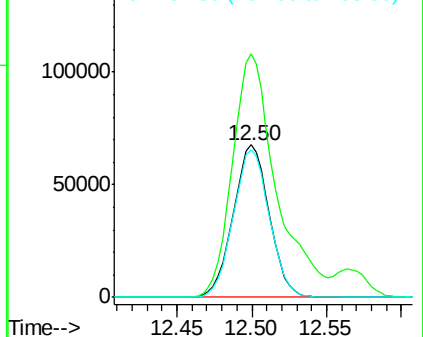
Tot Ion:	156	Resp:	113140
Ion Ratio	Lower	Upper	
156	100		
77	195.7	100.7	302.1
158	97.4	48.5	145.5

Manual Integrations
APPROVED

MMDadoda
6/18/2020 9:37:37 AM



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: 47.257 ug/l

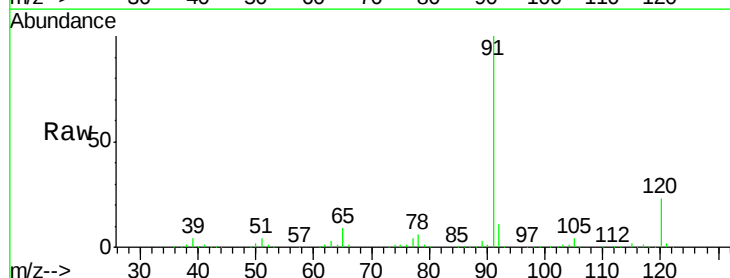
RT: 12.56 min Scan# 3356

Delta R.T. -0.00 min

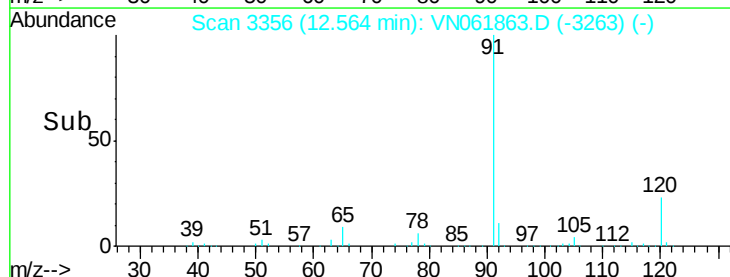
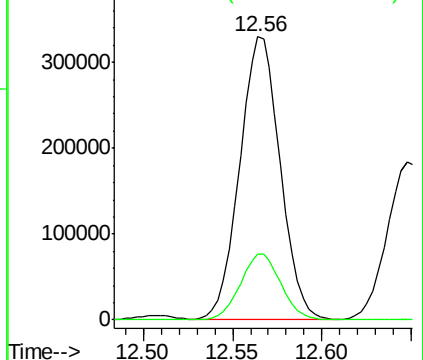
Lab File: VN061863.D

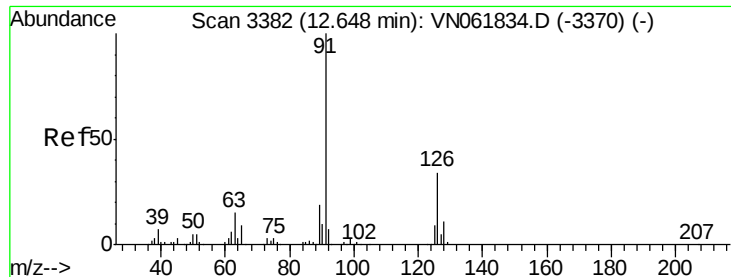
Acq: 17 Jun 2020 21:04

Tgt Ion:	91	Resp:	519168
Ion Ratio	Lower	Upper	
91	100		
120	23.4	11.6	34.8



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





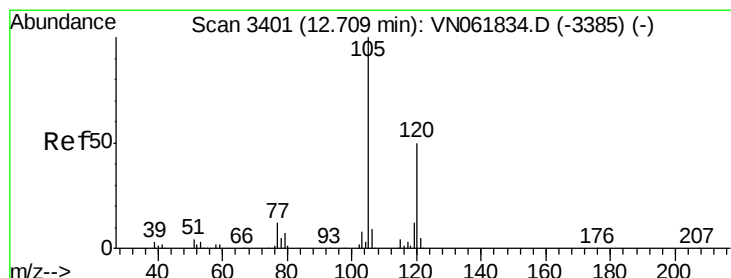
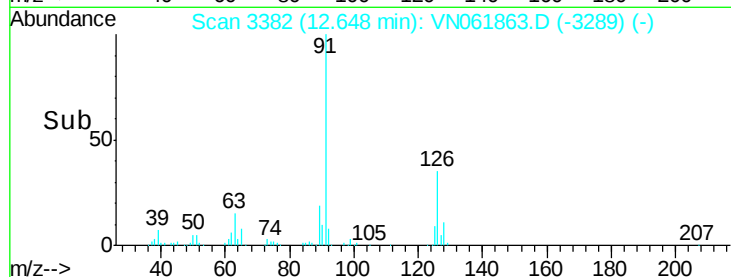
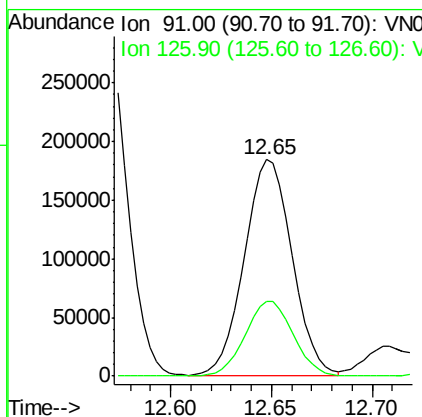
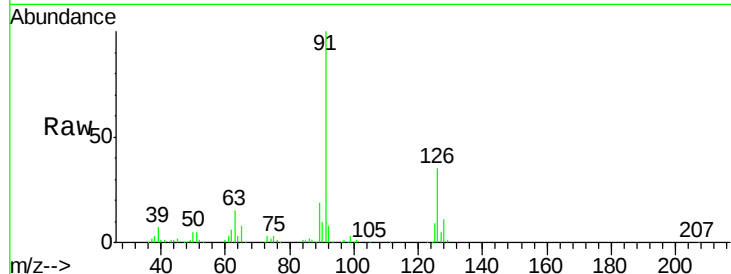
#79
 2-Chlorotoluene
 Concen: 46.153 ug/l
 RT: 12.65 min Scan# 3382
 Delta R.T. -0.00 min
 Lab File: VN061863.D
 Acq: 17 Jun 2020 21:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 304530
 Ion Ratio Lower Upper
 91 100
 126 35.0 17.3 51.7

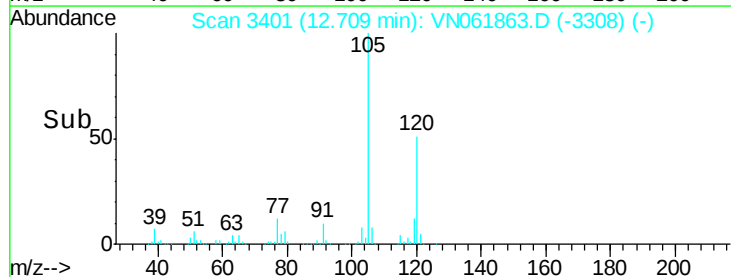
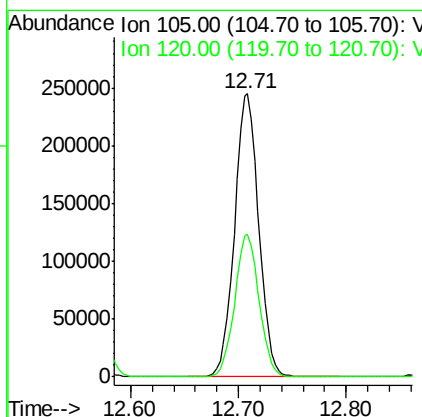
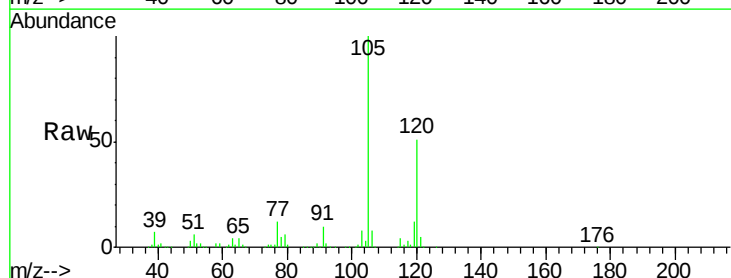
Manual Integrations
 APPROVED

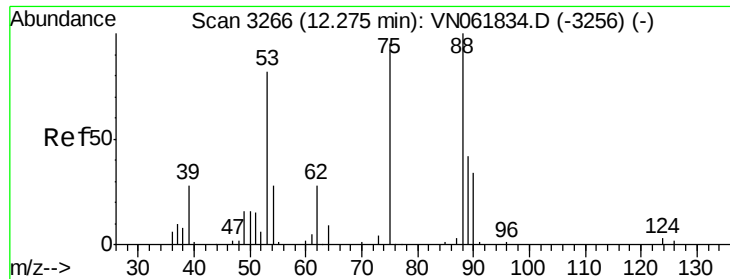
MMDadoda
 6/18/2020 9:37:37 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 48.044 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. -0.00 min
 Lab File: VN061863.D
 Acq: 17 Jun 2020 21:04

Tgt Ion: 105 Resp: 382696
 Ion Ratio Lower Upper
 105 100
 120 50.7 24.9 74.7





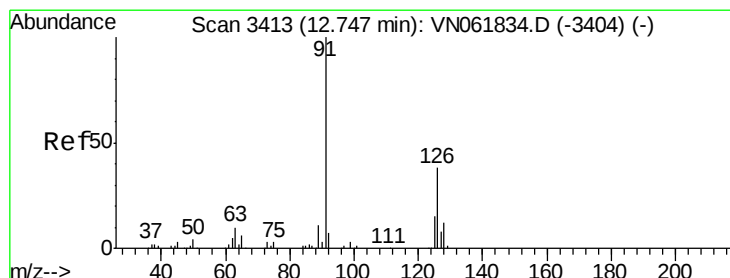
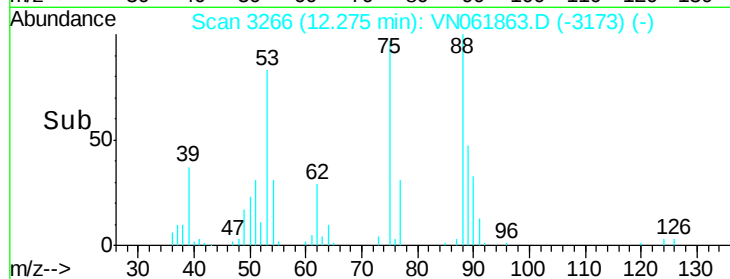
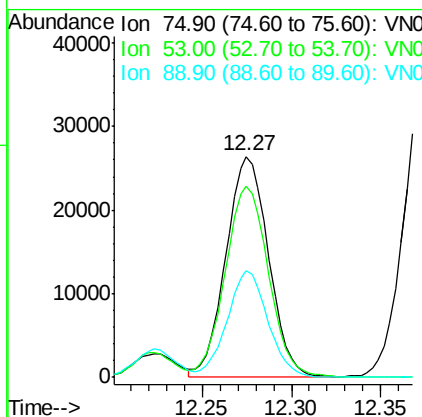
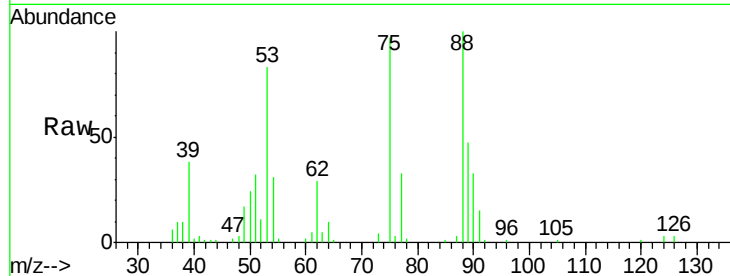
#81
trans-1,4-Dichloro-2-butene
Concen: 44.903 ug/l
RT: 12.27 min Scan# 3266
Delta R.T. -0.00 min
Lab File: VN061863.D
Acq: 17 Jun 2020 21:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.2	70.4	105.6
89	46.2	36.0	54.0

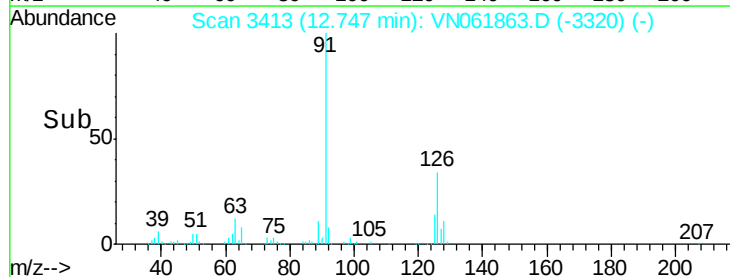
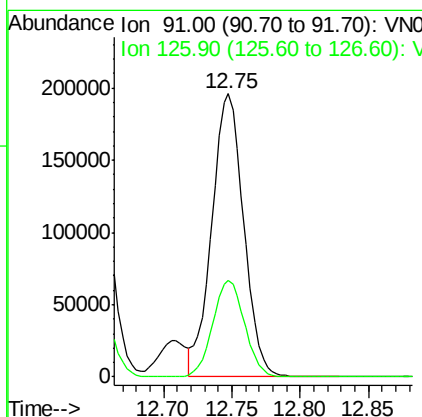
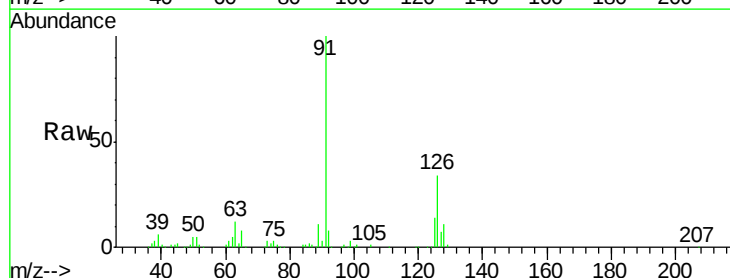
Manual Integrations
APPROVED

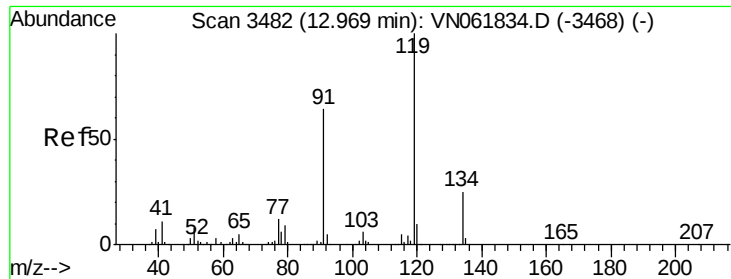
MMDadoda
6/18/2020 9:37:37 AM



#82
4-Chlorotoluene
Concen: 46.442 ug/l
RT: 12.75 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VN061863.D
Acq: 17 Jun 2020 21:04

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.2	17.2	51.6





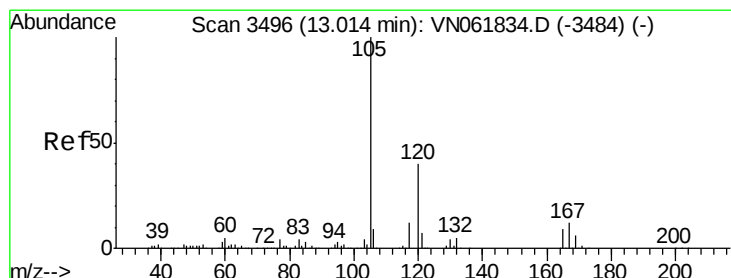
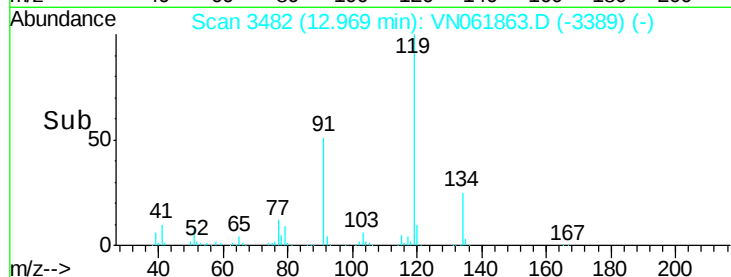
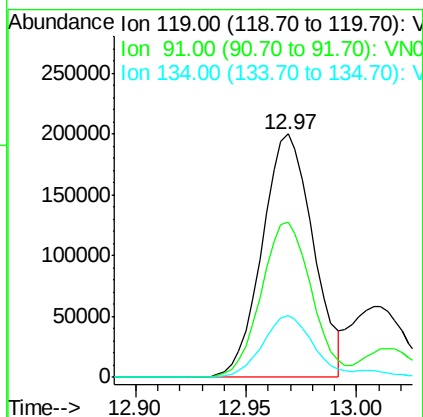
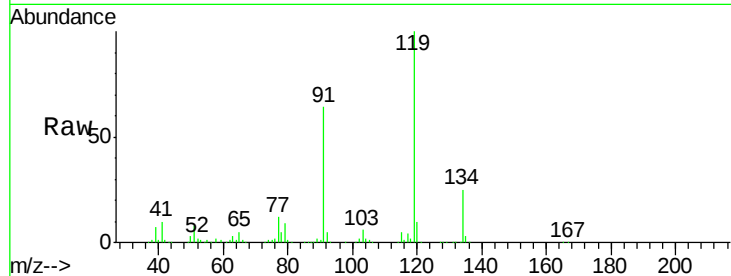
#83
tert-Butylbenzene
Concen: 47.303 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. -0.00 min
Lab File: VN061863.D
Acq: 17 Jun 2020 21:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.7	31.5	94.5
134	25.2	13.3	39.9

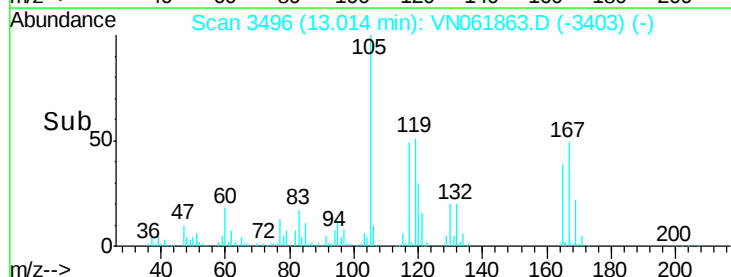
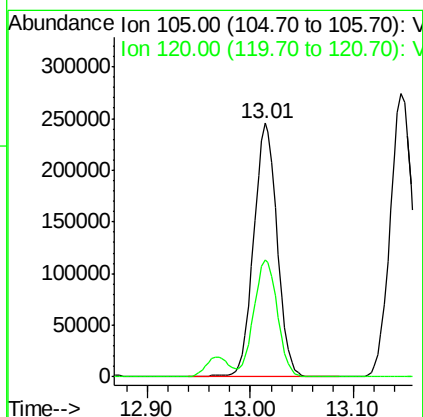
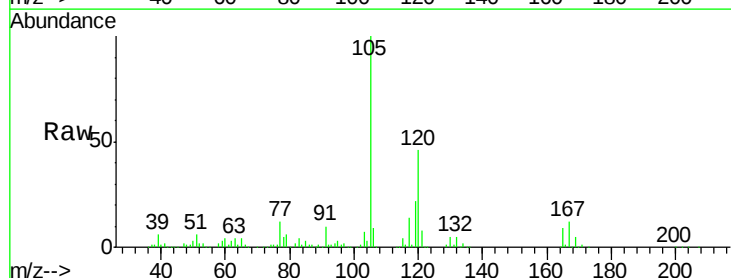
Manual Integrations
APPROVED

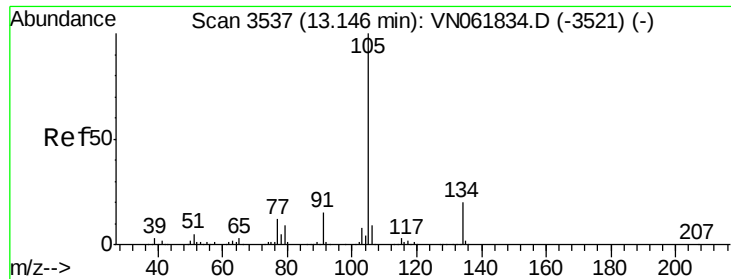
MMDadoda
6/18/2020 9:37:37 AM



#84
1,2,4-Trimethylbenzene
Concen: 49.071 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. -0.00 min
Lab File: VN061863.D
Acq: 17 Jun 2020 21:04

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.5	23.3	69.9





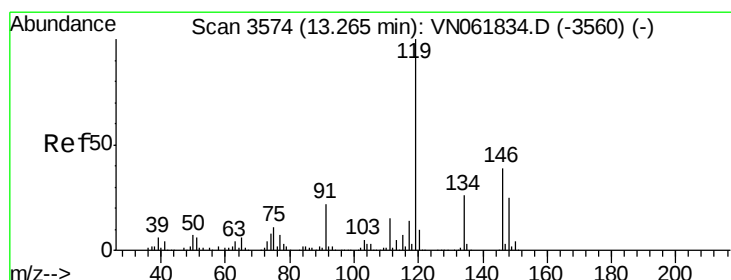
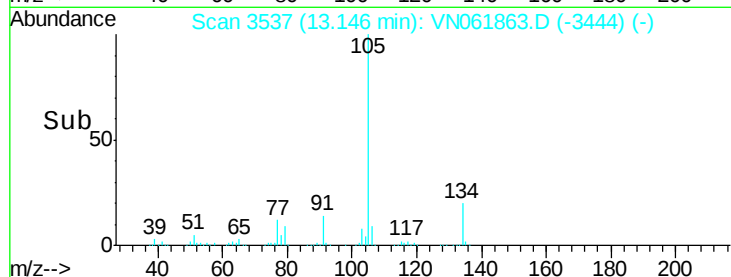
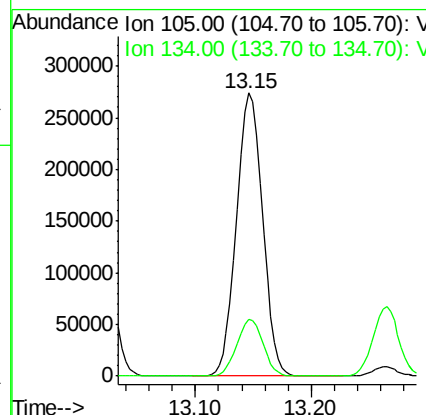
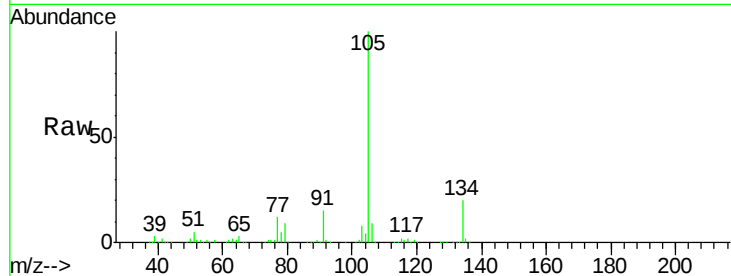
#85
 sec-Butylbenzene
 Concen: 48.233 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. -0.00 min
 Lab File: VN061863.D
 Acq: 17 Jun 2020 21:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.1	10.1	30.1

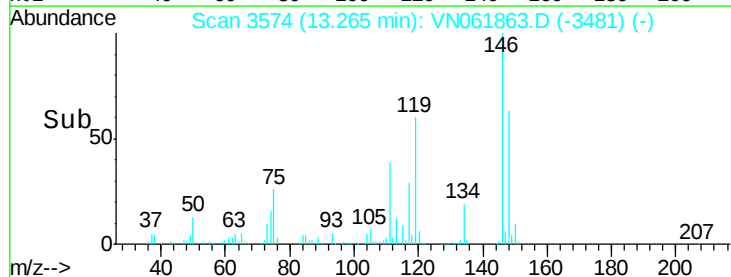
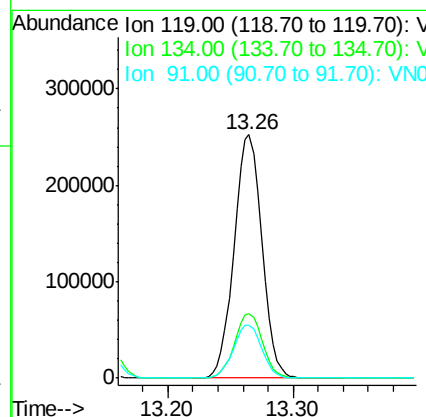
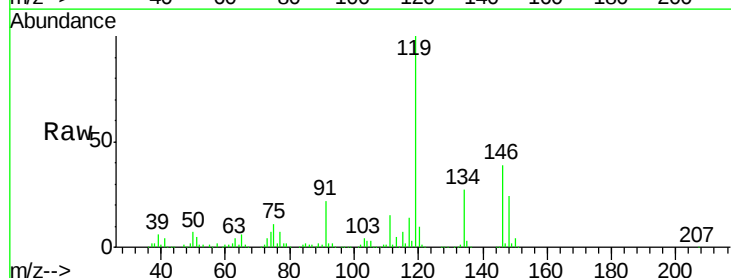
Manual Integrations
 APPROVED

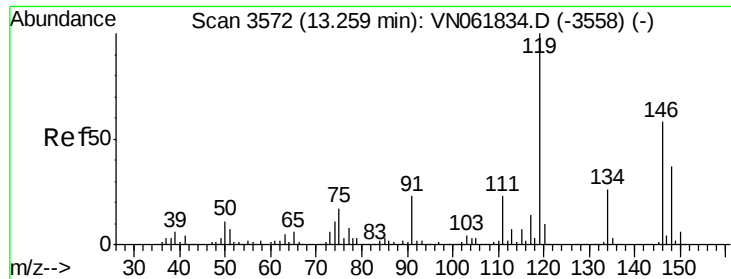
MMDadoda
 6/18/2020 9:37:37 AM



#86
 p-Isopropyltoluene
 Concen: 49.219 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. -0.00 min
 Lab File: VN061863.D
 Acq: 17 Jun 2020 21:04

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.8	13.3	39.9
91	22.4	11.2	33.6





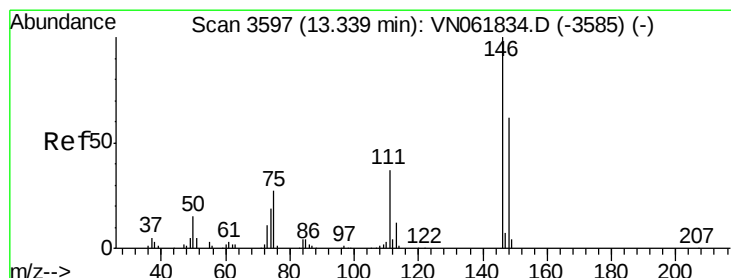
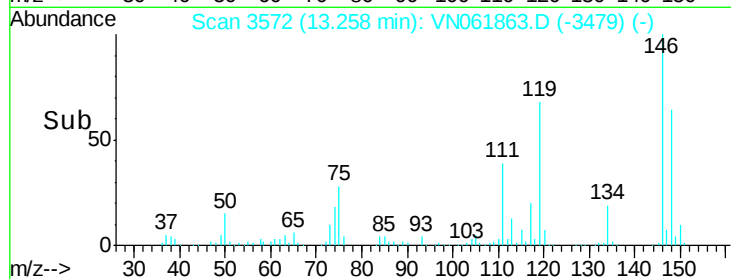
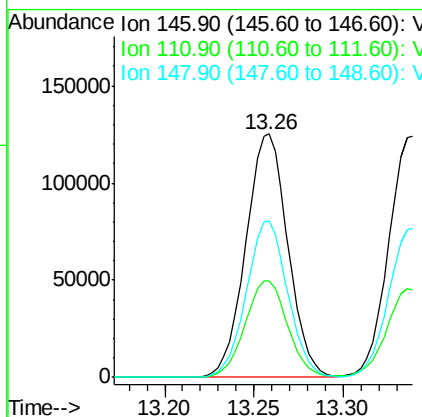
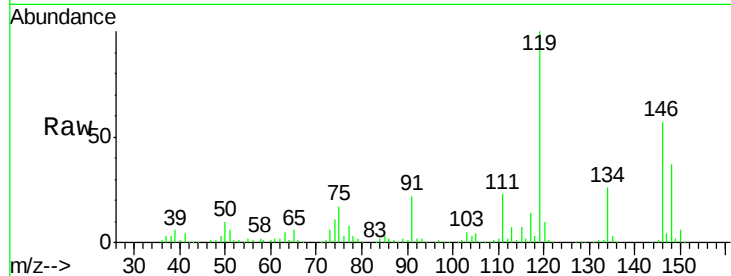
#87
 1,3-Dichlorobenzene
 Concen: 46.489 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN061863.D
 Acq: 17 Jun 2020 21:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.6	58.8
148	63.2	31.8	95.4

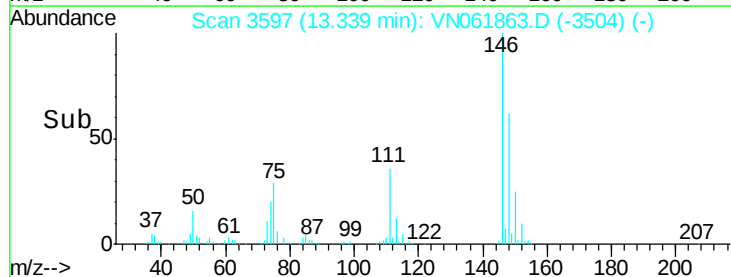
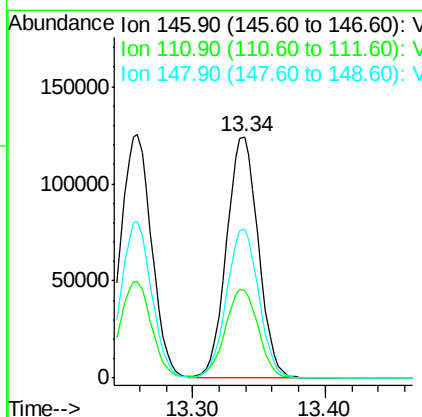
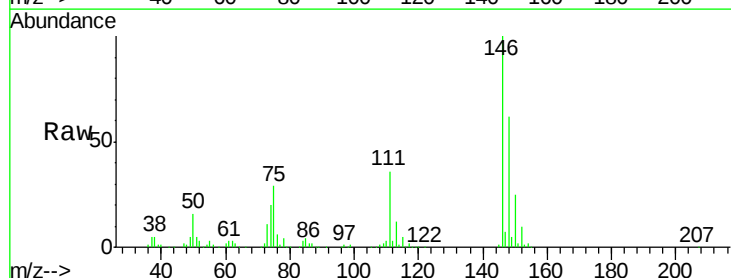
Manual Integrations
 APPROVED

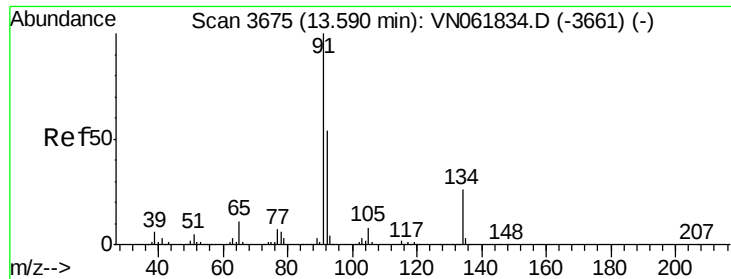
MMDadoda
 6/18/2020 9:37:37 AM



#88
 1,4-Dichlorobenzene
 Concen: 45.587 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN061863.D
 Acq: 17 Jun 2020 21:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.3	57.8
148	62.7	31.6	94.7





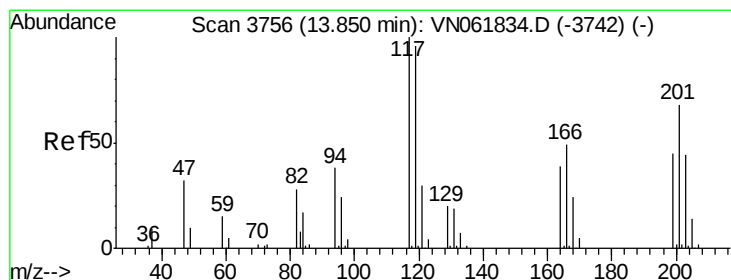
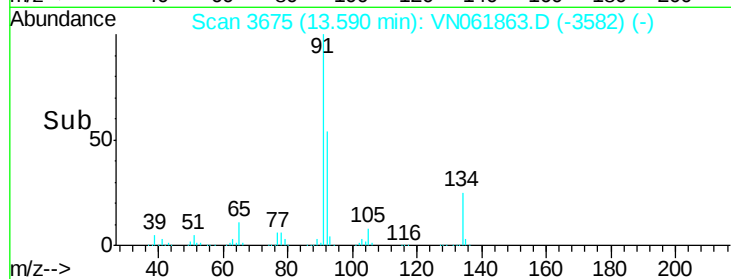
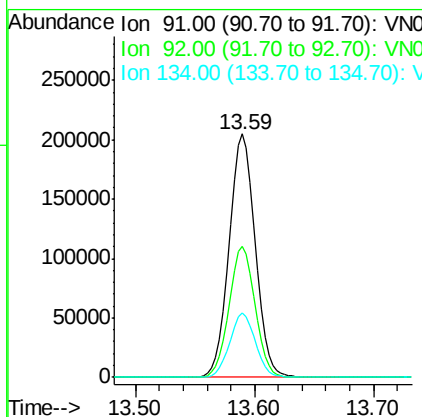
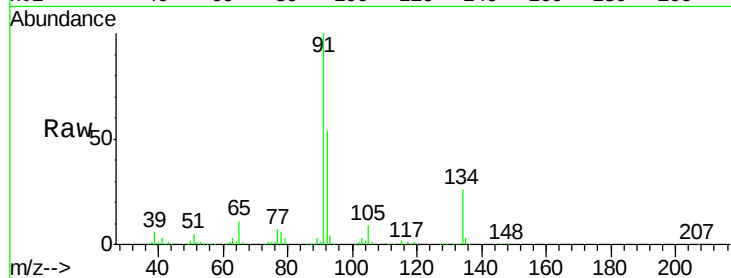
#89
n-Butylbenzene
Concen: 47.298 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN061863.D
Acq: 17 Jun 2020 21:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.7	27.0	80.8
134	26.1	13.0	39.0

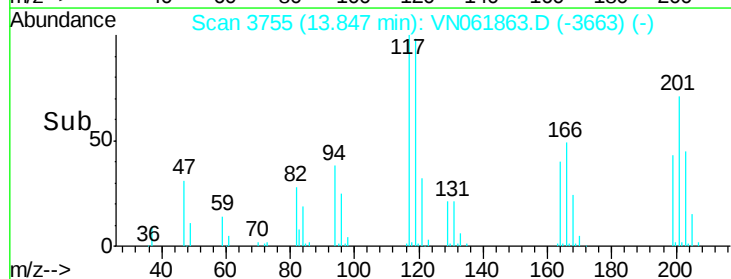
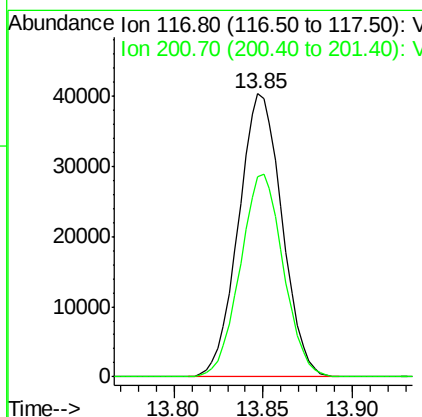
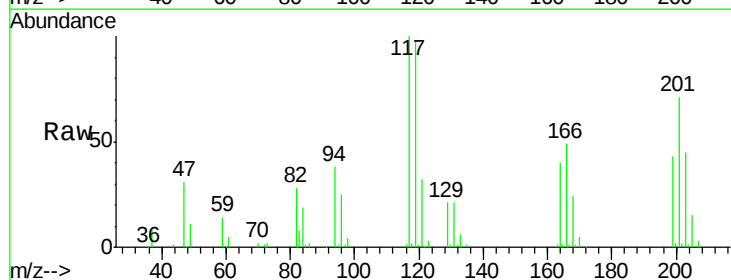
Manual Integrations
APPROVED

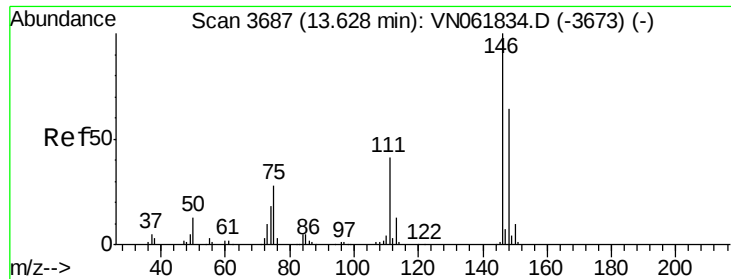
MMDadoda
6/18/2020 9:37:37 AM



#90
Hexachloroethane
Concen: 47.487 ug/l
RT: 13.85 min Scan# 3755
Delta R.T. -0.00 min
Lab File: VN061863.D
Acq: 17 Jun 2020 21:04

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.9	34.6	103.8





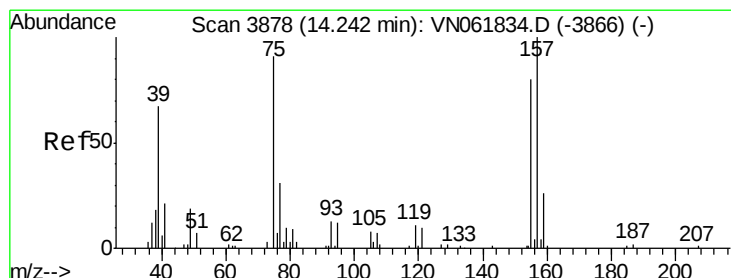
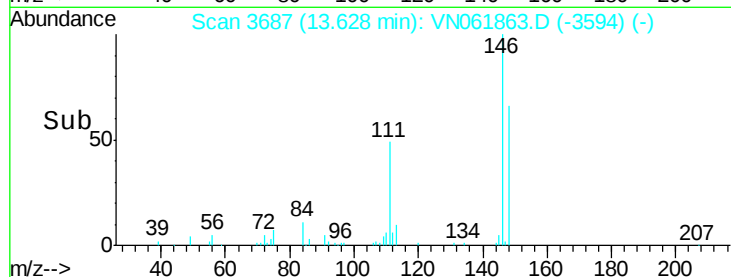
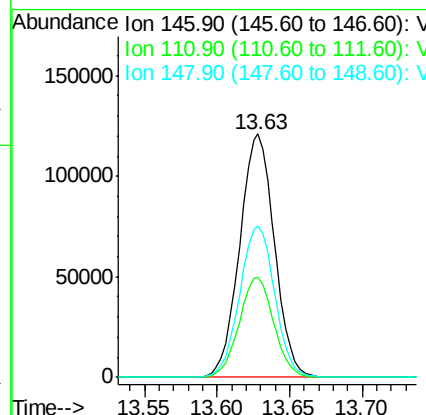
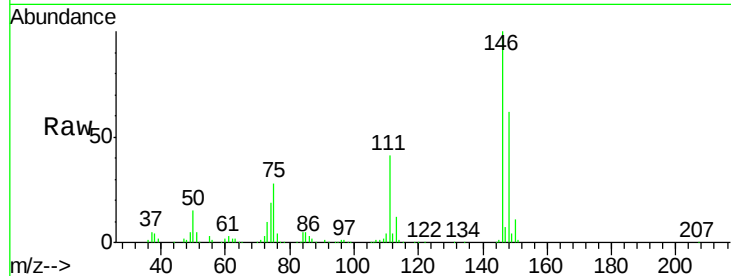
#91
 1,2-Dichlorobenzene
 Concen: 47.160 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN061863.D
 Acq: 17 Jun 2020 21:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.4	61.2
148	62.9	31.8	95.4

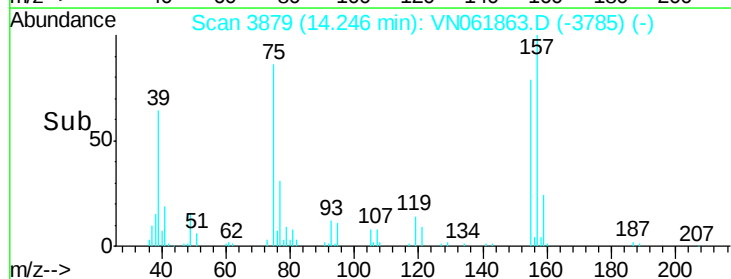
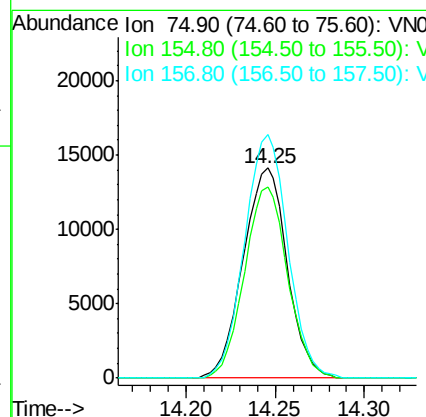
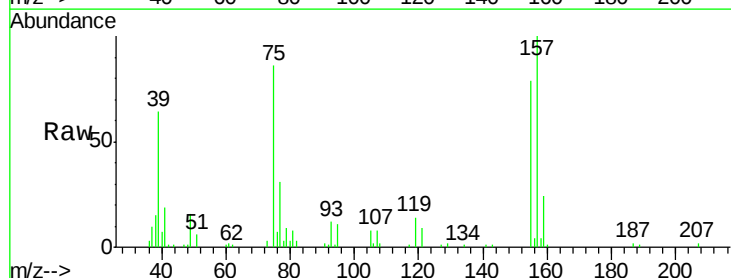
Manual Integrations
 APPROVED

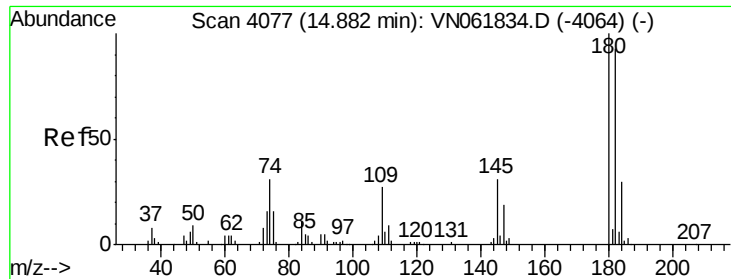
MMDadoda
 6/18/2020 9:37:37 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.921 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN061863.D
 Acq: 17 Jun 2020 21:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.9	44.4	133.2
157	113.8	57.0	171.2





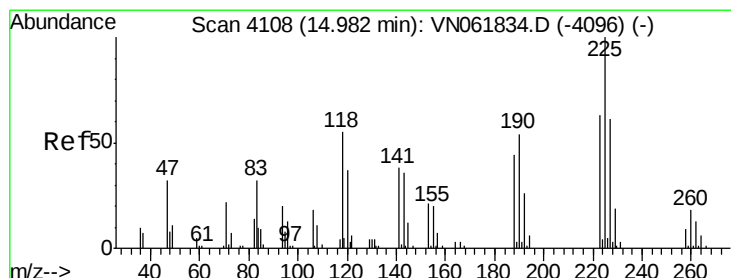
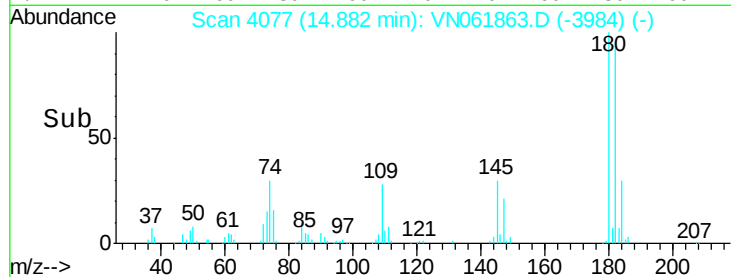
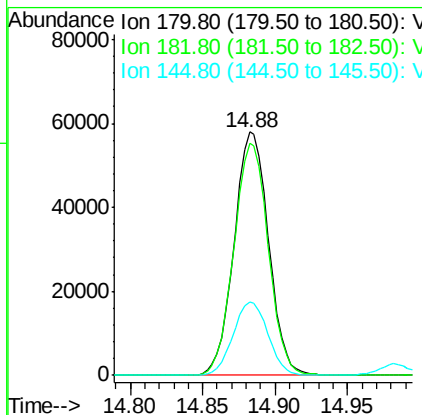
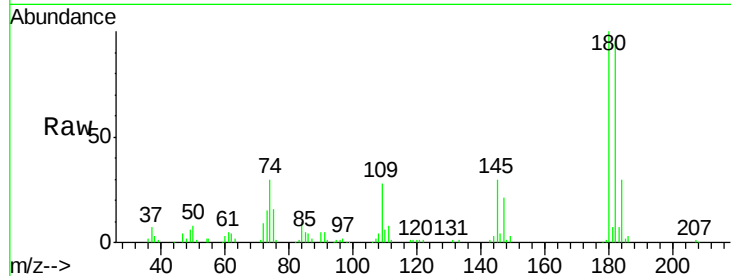
#93
 1,2,4-Trichlorobenzene
 Concen: 47.518 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN061863.D
 Acq: 17 Jun 2020 21:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.0	141.2
145	30.5	15.8	47.3

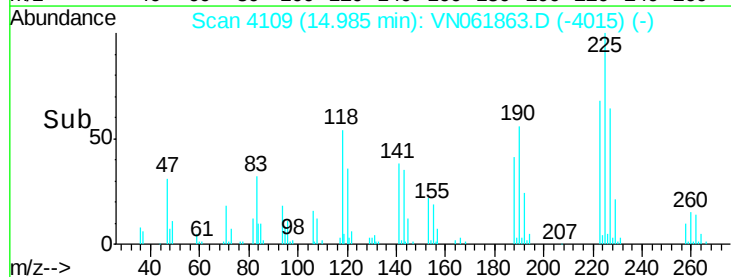
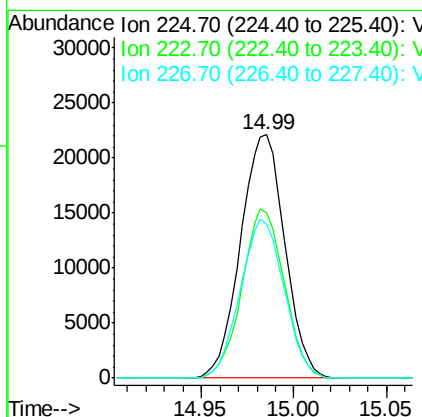
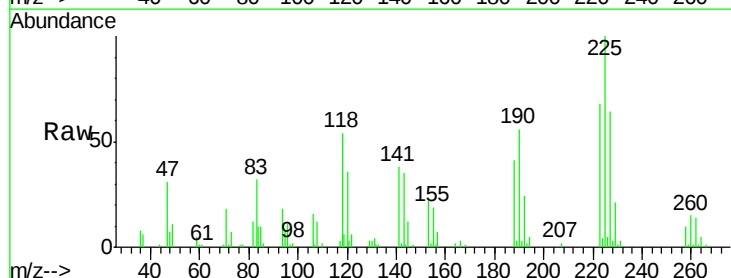
Manual Integrations
 APPROVED

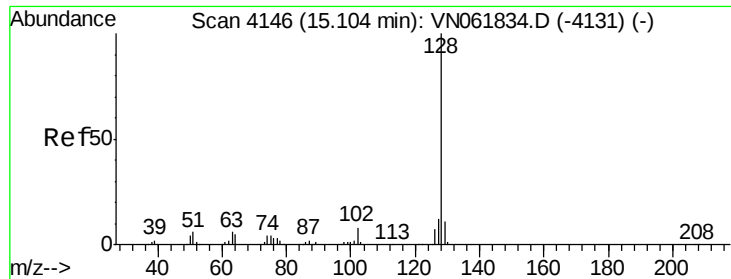
MMDadoda
 6/18/2020 9:37:37 AM



#94
 Hexachlorobutadiene
 Concen: 46.184 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN061863.D
 Acq: 17 Jun 2020 21:04

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.2	31.7	95.1
227	64.3	30.1	90.3





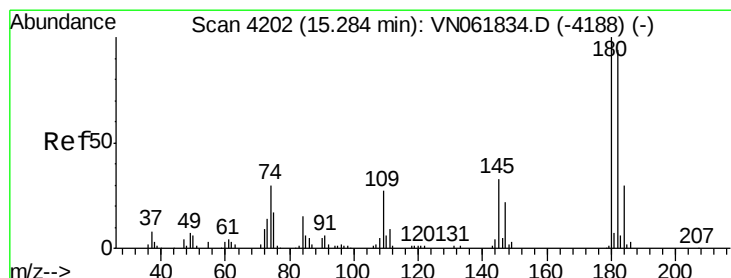
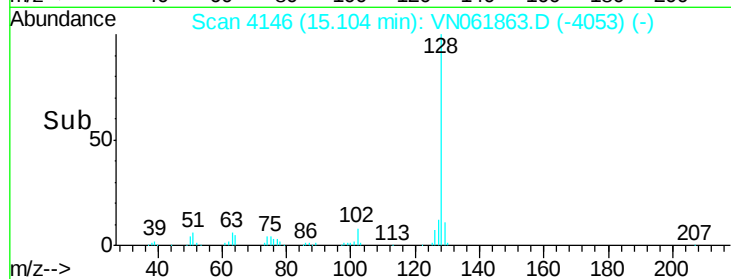
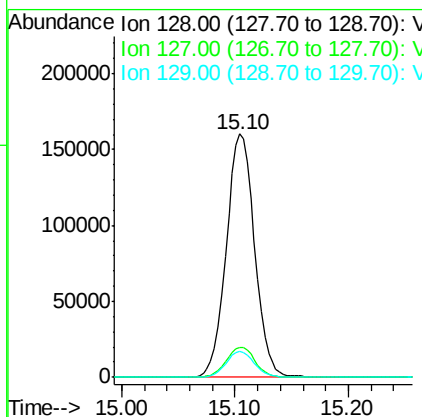
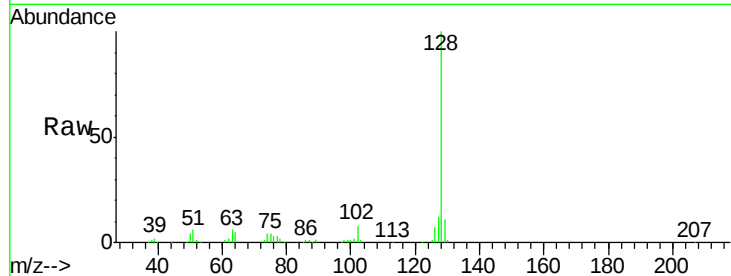
#95
Naphthalene
Concen: 42.051 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. 0.00 min
Lab File: VN061863.D
Acq: 17 Jun 2020 21:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.3	15.5
129	10.5	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/18/2020 9:37:37 AM



#96
1,2,3-Trichlorobenzene
Concen: 48.505 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. -0.00 min
Lab File: VN061863.D
Acq: 17 Jun 2020 21:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.9	143.6
145	32.6	16.5	49.5

