

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050120\
 Data File : VN061243.D
 Acq On : 1 May 2020 20:09
 Operator : JC/MD
 Sample : L2468-07MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB180-GW-803-805MSD

Manual Integrations
 APPROVED

MMDadoda
 5/4/2020 2:58:03 PM

Quant Time: May 04 04:55:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 29 08:14:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	115623	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	197993	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	187467	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	89512	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	90479	49.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.92%	
35) Dibromofluoromethane	7.55	113	57359	48.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.98%	
50) Toluene-d8	10.06	98	248925	52.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.32%	
62) 4-Bromofluorobenzene	12.38	95	92965	51.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	59812	48.783	ug/l	100
3) Chloromethane	2.03	50	89293	60.132	ug/l	99
4) Vinyl Chloride	2.16	62	89934	53.322	ug/l	100
5) Bromomethane	2.53	94	35793	42.932	ug/l	100
6) Chloroethane	2.67	64	52227	48.854	ug/l	99
7) Trichlorofluoromethane	2.98	101	108442	56.989	ug/l	100
8) Diethyl Ether	3.37	74	46312	58.349	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.72	101	62217	50.753	ug/l	99
10) Methyl Iodide	3.91	142	75223	47.747	ug/l	97
11) Tert butyl alcohol	4.73	59	62884	256.588	ug/l	99
12) 1,1-Dichloroethene	3.70	96	63208	51.813	ug/l	98
13) Acrolein	3.56	56	42167	258.186	ug/l	98
14) Allyl chloride	4.27	41	140570	62.146	ug/l	94
15) Acrylonitrile	4.93	53	214447	285.046	ug/l	98
16) Acetone	3.77	43	187860	265.854	ug/l	98
17) Carbon Disulfide	4.01	76	160587	47.654	ug/l	99
18) Methyl Acetate	4.28	43	106745	46.273	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	239780	51.439	ug/l	99
20) Methylene Chloride	4.50	84	76547	53.658	ug/l	99
21) trans-1,2-Dichloroethene	4.99	96	68991	51.936	ug/l	98
22) Diisopropyl ether	5.90	45	293040	55.867	ug/l	97
23) Vinyl Acetate	5.84	43	1056945	250.260	ug/l	99
24) 1,1-Dichloroethane	5.80	63	145547	53.109	ug/l	99
25) 2-Butanone	6.78	43	294463	272.001	ug/l	100
26) 2,2-Dichloropropane	6.78	77	103506	44.840	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	80629	51.723	ug/l	99
28) Bromochloromethane	7.15	49	71103	54.738	ug/l	95
29) Tetrahydrofuran	7.17	42	202197	277.267	ug/l	96
30) Chloroform	7.33	83	138190	49.758	ug/l	99
31) Cyclohexane	7.61	56	127994	48.091	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	117645	48.646	ug/l	99
36) 1,1-Dichloropropene	7.75	75	103285	52.111	ug/l	100
37) Ethyl Acetate	6.88	43	116094	49.964	ug/l	100
38) Carbon Tetrachloride	7.73	117	87541	48.482	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050120\
 Data File : VN061243.D
 Acq On : 1 May 2020 20:09
 Operator : JC/MD
 Sample : L2468-07MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 BP-VPB180-GW-803-805MSD

Manual Integrations
 APPROVED

MMDadoda
 5/4/2020 2:58:03 PM

Quant Time: May 04 04:55:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 29 08:14:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	111222	50.038	ug/l	97
40) Benzene	8.00	78	310461	52.577	ug/l	99
41) Methacrylonitrile	7.12	41	59236	61.401	ug/l #	100
42) 1,2-Dichloroethane	8.09	62	113474	50.726	ug/l	100
43) Isopropyl Acetate	8.13	43	195891	50.799	ug/l #	92
44) Trichloroethene	8.80	130	77521	48.564	ug/l	98
45) 1,2-Dichloropropane	9.09	63	84305	53.441	ug/l	99
46) Dibromomethane	9.18	93	51072	52.287	ug/l	98
47) Bromodichloromethane	9.37	83	109791	52.368	ug/l	99
48) Methyl methacrylate	9.17	41	94557	54.339	ug/l	100
49) 1,4-Dioxane	9.17	88	20075	1016.323	ug/l	93
51) 4-Methyl-2-Pentanone	9.95	43	628963	277.097	ug/l	100
52) Toluene	10.13	92	186583	52.460	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	120115	50.846	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	126705	50.733	ug/l	96
55) 1,1,2-Trichloroethane	10.54	97	73186	51.588	ug/l	98
56) Ethyl methacrylate	10.40	69	120208	48.700	ug/l	97
57) 1,3-Dichloropropane	10.68	76	132804	53.257	ug/l	99
59) 2-Hexanone	10.72	43	457943	277.315	ug/l	100
60) Dibromochloromethane	10.88	129	77007	51.828	ug/l	98
61) 1,2-Dibromoethane	10.98	107	73711	51.839	ug/l	99
64) Tetrachloroethene	10.60	164	75010	46.198	ug/l	99
65) Chlorobenzene	11.41	112	189273	50.897	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	68721	51.632	ug/l	99
67) Ethyl Benzene	11.48	91	360787	51.827	ug/l	100
68) m/p-Xylenes	11.60	106	262746	103.115	ug/l	99
69) o-Xylene	11.92	106	123665	50.525	ug/l	97
70) Stvrene	11.94	104	214373	52.330	ug/l	99
71) Bromoform	12.10	173	52730	53.906	ug/l #	99
73) Isopropylbenzene	12.22	105	340534	51.749	ug/l	99
74) N-amyl acetate	12.05	43	168094	50.445	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	109383	53.309	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	98779m	52.343	ug/l	
77) Bromobenzene	12.50	156	77687	51.142	ug/l	97
78) n-propylbenzene	12.57	91	414437	53.098	ug/l	99
79) 2-Chlorotoluene	12.65	91	240524	52.428	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	289059	53.074	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	38605	51.950	ug/l	98
82) 4-Chlorotoluene	12.75	91	252736	52.270	ug/l	98
83) tert-Butylbenzene	12.97	119	240176	52.298	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	290719	51.810	ug/l	99
85) sec-Butylbenzene	13.15	105	331655	52.970	ug/l	99
86) p-Isopropyltoluene	13.26	119	295928	52.458	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	143375	51.270	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	145286	50.848	ug/l	99
89) n-Butylbenzene	13.59	91	271613	52.520	ug/l	99
90) Hexachloroethane	13.85	117	32541	54.494	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	139174	51.904	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.24	75	22309	51.480	ug/l	98
93) 1,2,4-Trichlorobenzene	14.89	180	82634	50.608	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050120\
Data File : VN061243.D
Acq On : 1 May 2020 20:09
Operator : JC/MD
Sample : L2468-07MSD
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB180-GW-803-805MSD

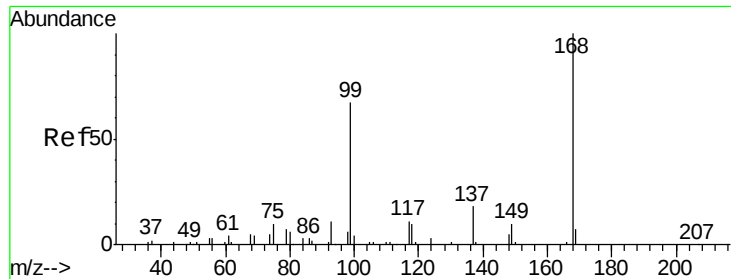
Manual Integrations
APPROVED

MMDadoda
5/4/2020 2:58:03 PM

Quant Time: May 04 04:55:41 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 29 08:14:26 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	14.99	225	36689	53.785	ug/l	98
95) Naphthalene	15.11	128	267125	50.234	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	82227	51.007	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VN061243.D

Acq: 1 May 2020 20:09

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB180-GW-803-805MSD

Tot Ion: 168 Resp: 115623

Ion Ratio Lower Upper

168 100

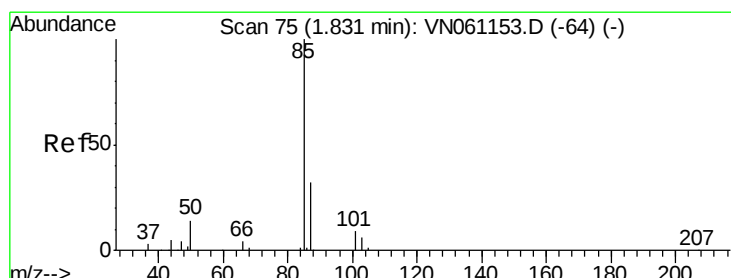
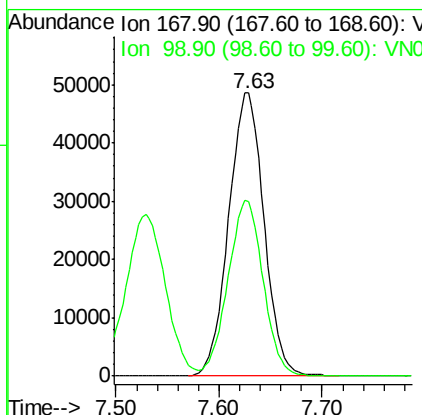
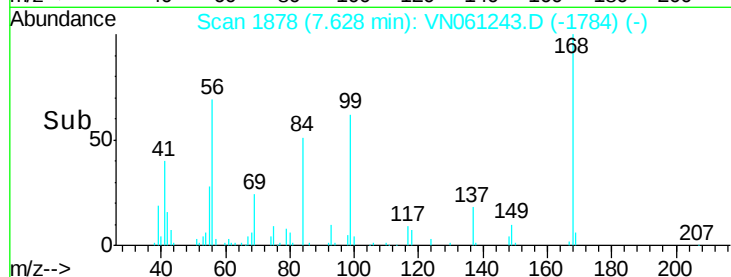
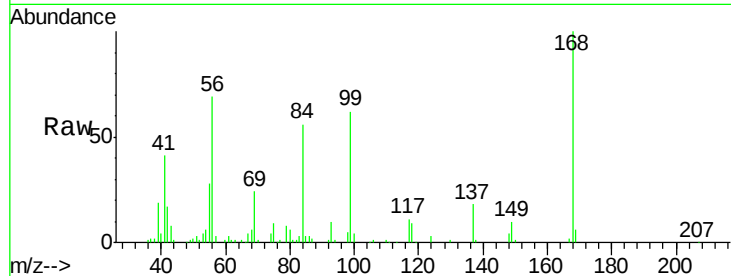
99 61.6 51.2 76.8

Manual Integrations

APPROVED

MMDadoda

5/4/2020 2:58:03 PM



#2

Dichlorodifluoromethane

Concen: 48.783 ug/l

RT: 1.83 min Scan# 75

Delta R.T. 0.00 min

Lab File: VN061243.D

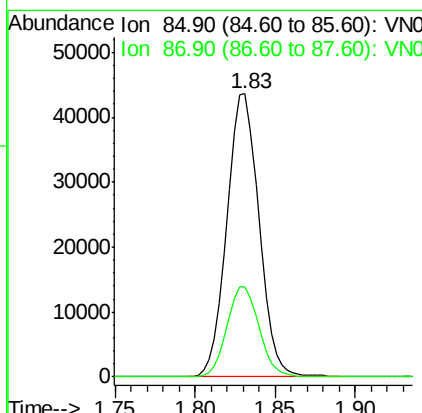
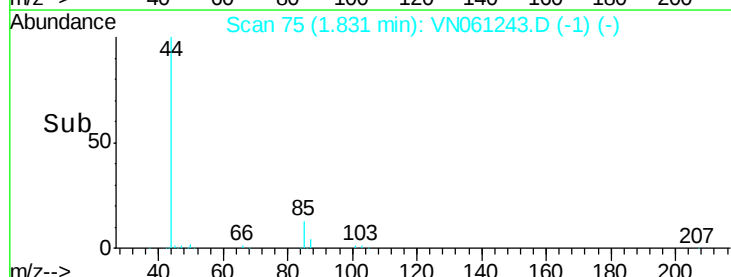
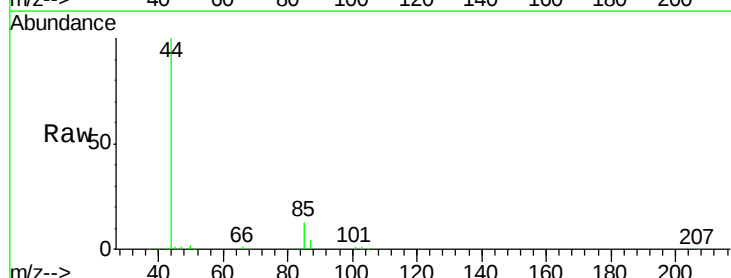
Acq: 1 May 2020 20:09

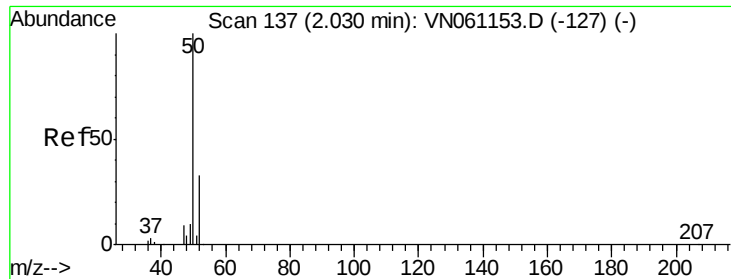
Tgt Ion: 85 Resp: 59812

Ion Ratio Lower Upper

85 100

87 31.9 16.1 48.2





#3

Chloromethane

Concen: 60.132 ug/l

RT: 2.03 min Scan# 137

Delta R.T. 0.00 min

Lab File: VN061243.D

Acq: 1 May 2020 20:09

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB180-GW-803-805MSD

Tot Ion: 50 Resp: 89293

Ion Ratio Lower Upper

50 100

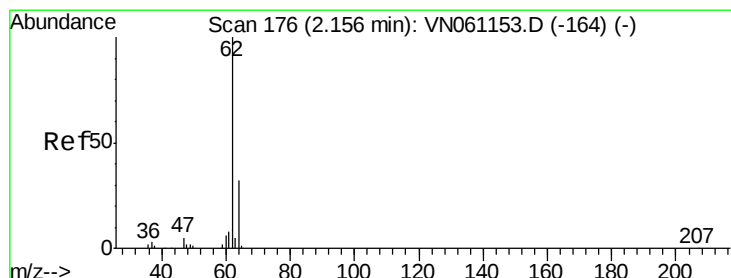
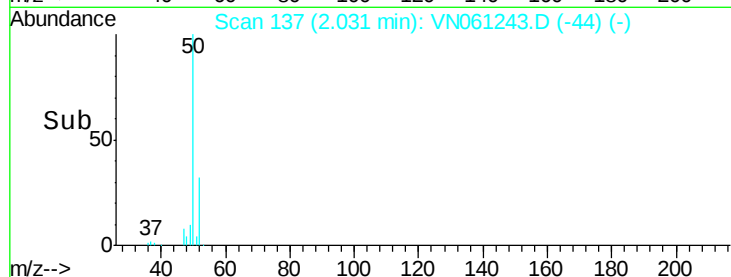
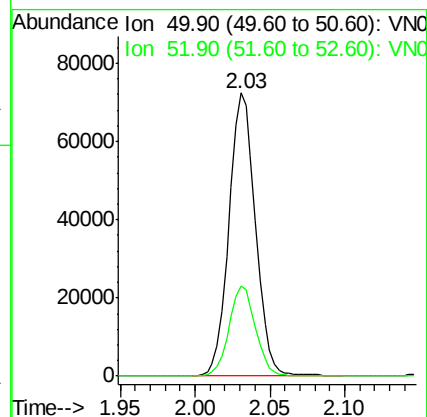
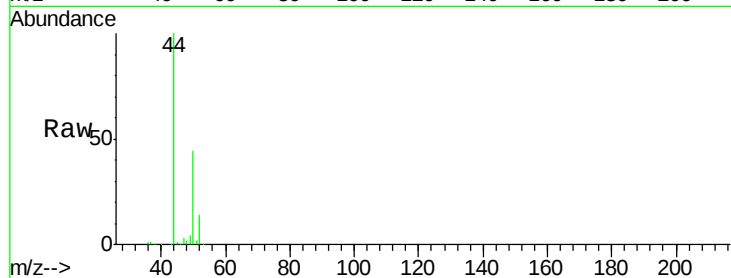
52 31.9 26.0 39.0

Manual Integrations

APPROVED

MMDadoda

5/4/2020 2:58:03 PM



#4

Vinyl Chloride

Concen: 53.322 ug/l

RT: 2.16 min Scan# 176

Delta R.T. 0.00 min

Lab File: VN061243.D

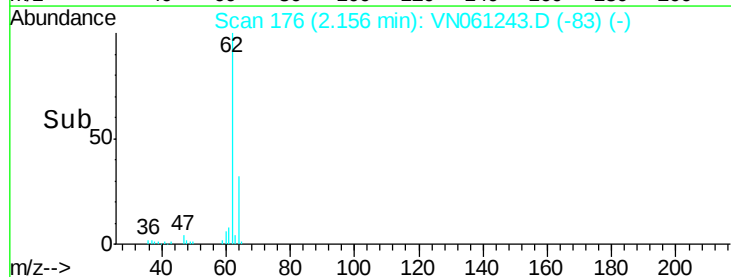
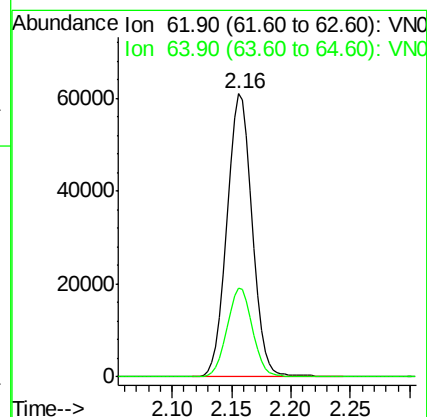
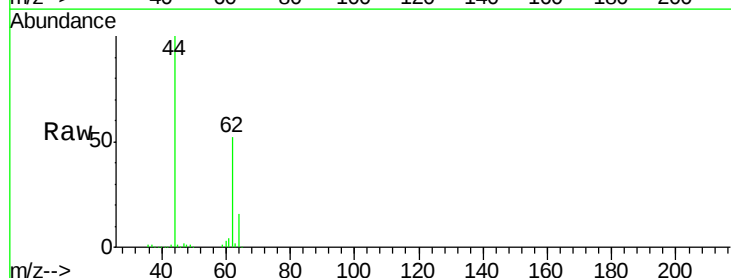
Acq: 1 May 2020 20:09

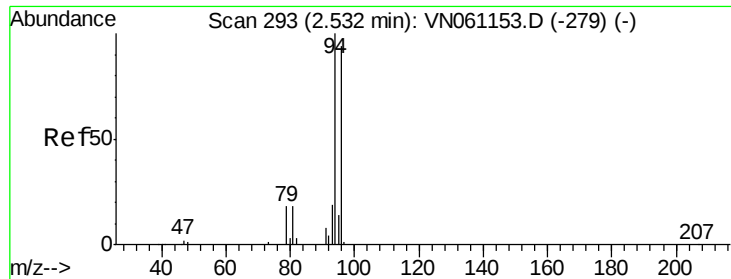
Tgt Ion: 62 Resp: 89934

Ion Ratio Lower Upper

62 100

64 31.6 25.2 37.8





#5

Bromomethane

Concen: 42.932 ug/l

RT: 2.53 min Scan# 293

Delta R.T. 0.00 min

Lab File: VN061243.D

Acq: 1 May 2020 20:09

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB180-GW-803-805MSD

Tot Ion: 94 Resp: 35793

Ion Ratio Lower Upper

94 100

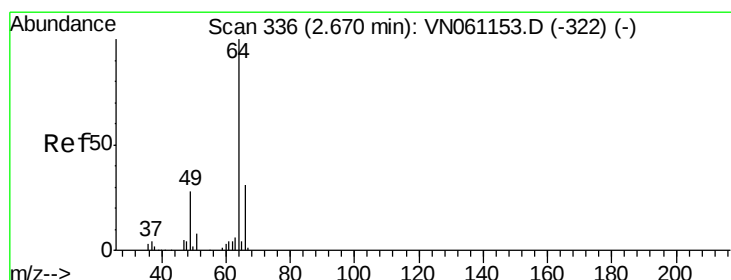
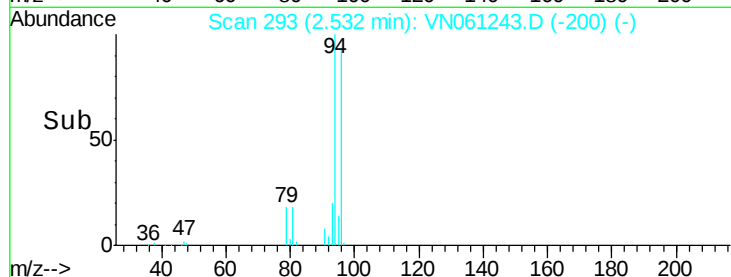
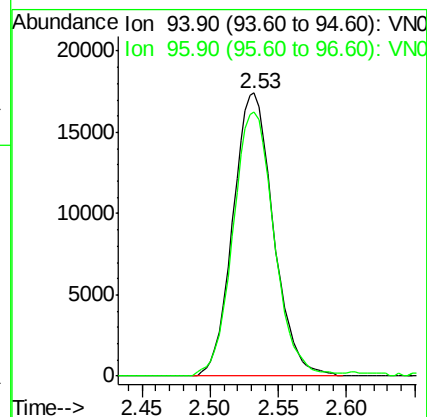
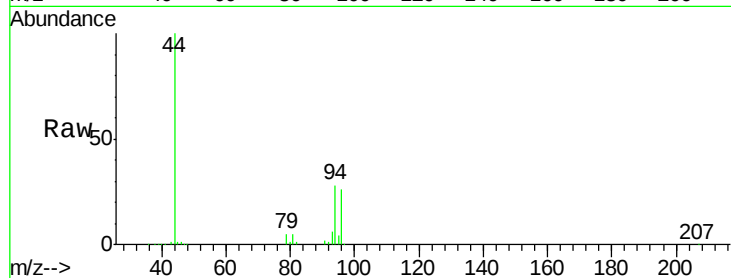
96 93.5 75.1 112.7

Manual Integrations

APPROVED

MMDadoda

5/4/2020 2:58:03 PM



#6

Chloroethane

Concen: 48.854 ug/l

RT: 2.67 min Scan# 336

Delta R.T. 0.00 min

Lab File: VN061243.D

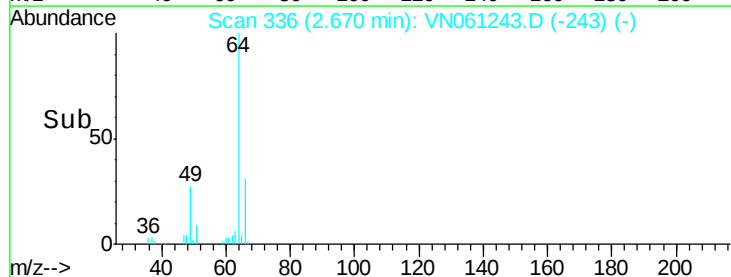
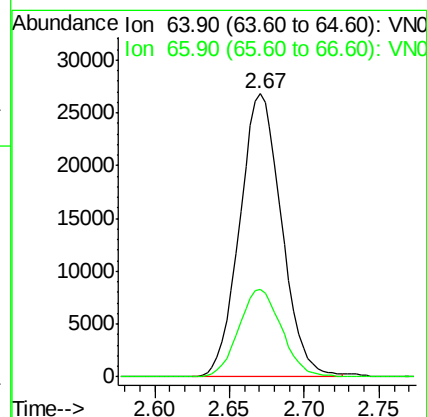
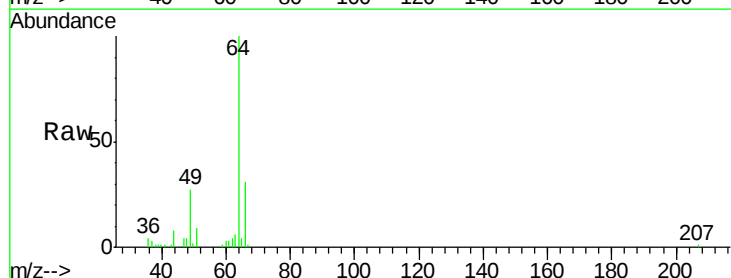
Acq: 1 May 2020 20:09

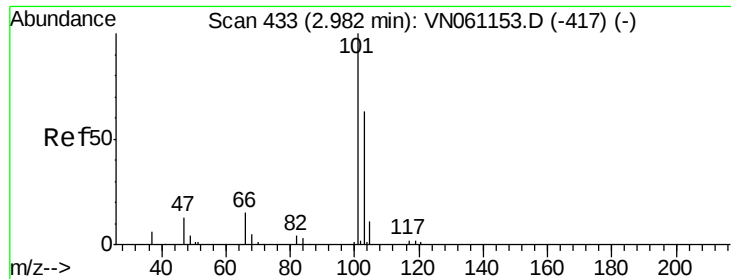
Tgt Ion: 64 Resp: 52227

Ion Ratio Lower Upper

64 100

66 31.1 24.6 36.8





#7

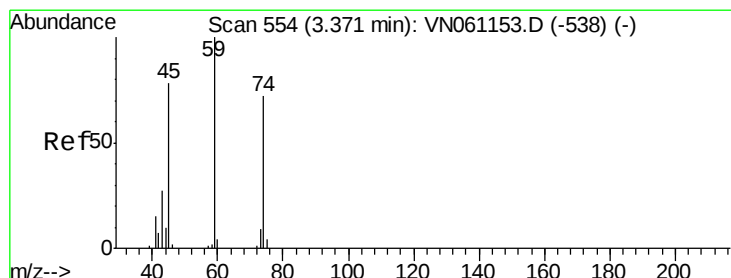
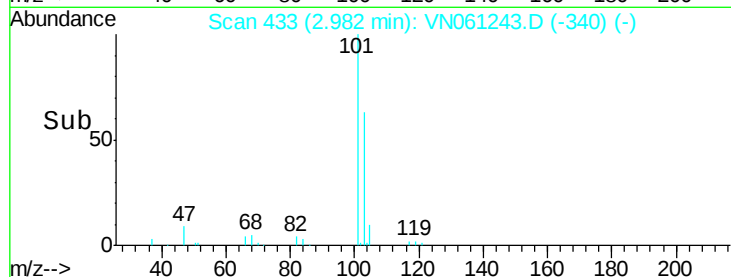
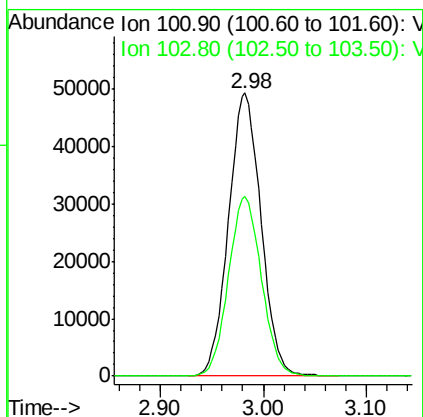
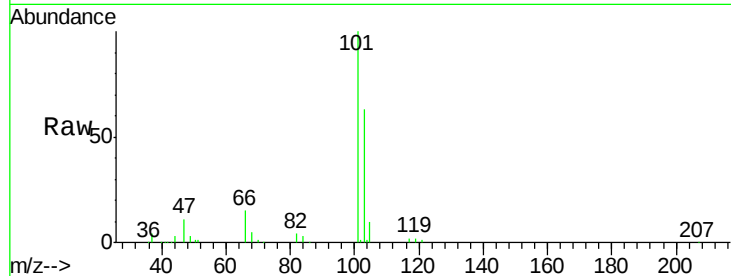
Trichlorofluoromethane
Concen: 56.989 ug/l
RT: 2.98 min Scan# 433
Delta R.T. 0.00 min
Lab File: VN061243.D
Acq: 1 May 2020 20:09

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB180-GW-803-805MSD

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.5	50.6	76.0

Manual Integrations
APPROVED

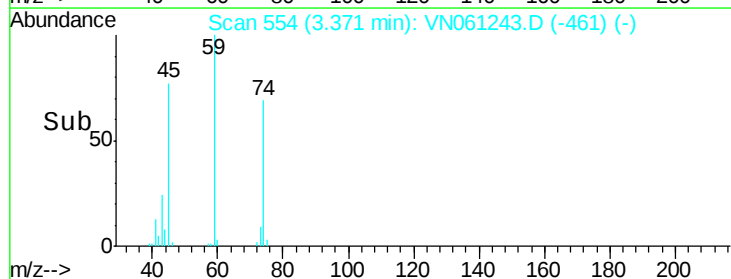
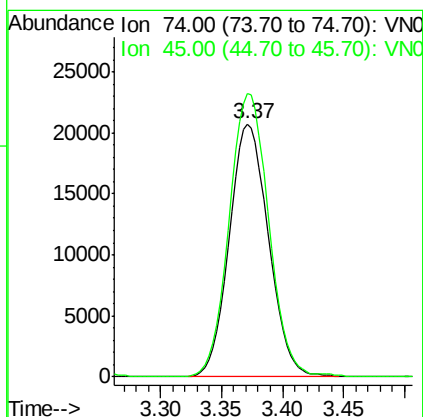
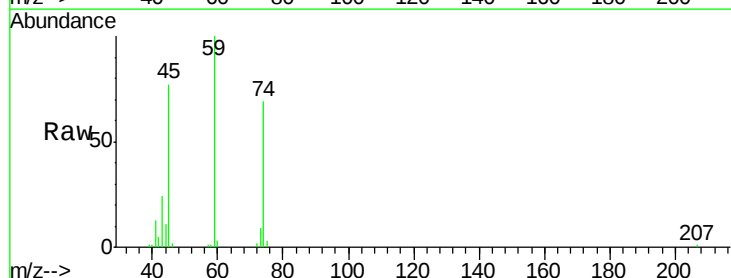
MMDadoda
5/4/2020 2:58:03 PM



#8

Diethyl Ether
Concen: 58.349 ug/l
RT: 3.37 min Scan# 554
Delta R.T. 0.00 min
Lab File: VN061243.D
Acq: 1 May 2020 20:09

Tgt Ion	Ratio	Lower	Upper
74	100		
45	112.8	53.3	160.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.753 ug/l

RT: 3.72 min Scan# 661

Delta R.T. 0.00 min

Lab File: VN061243.D

Acq: 1 May 2020 20:09

Instrument :

MSVOA_N

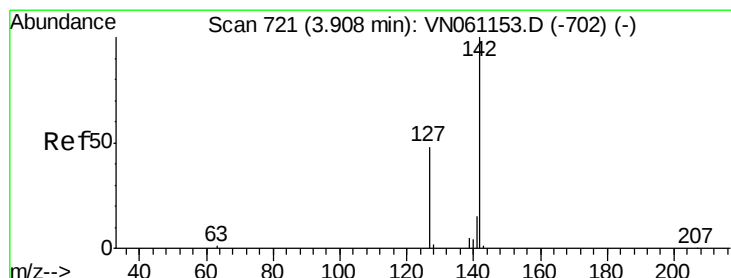
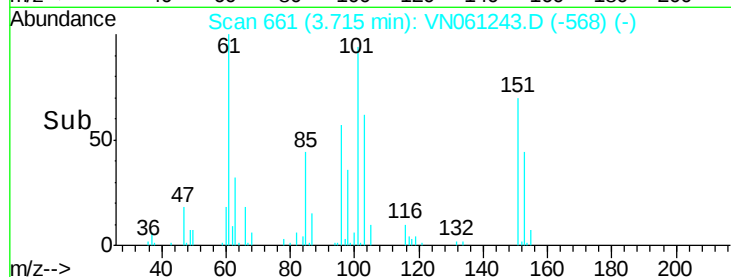
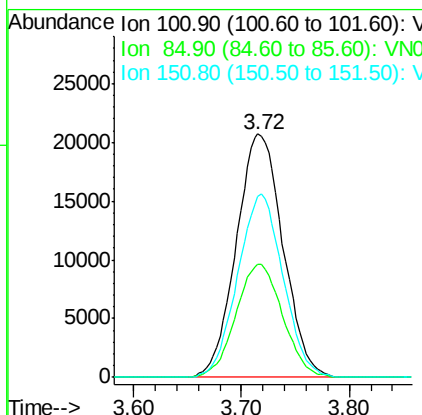
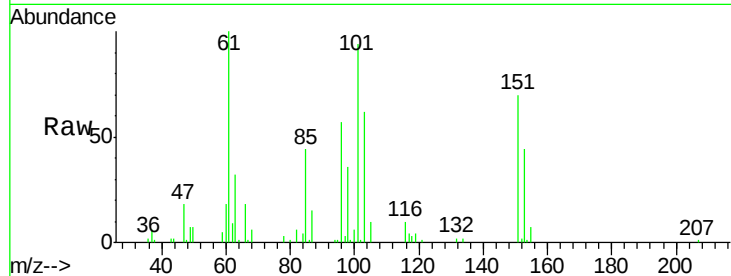
ClientSampleId :

BP-VPB180-GW-803-805MSD

Tot Ion:	101	Resp:	62217
Ion Ratio	Lower	Upper	
101	100		
85	46.5	37.2	55.8
151	73.3	57.7	86.5

Manual Integrations
APPROVED

MMDadoda
5/4/2020 2:58:03 PM



#10

Methyl Iodide

Concen: 47.747 ug/l

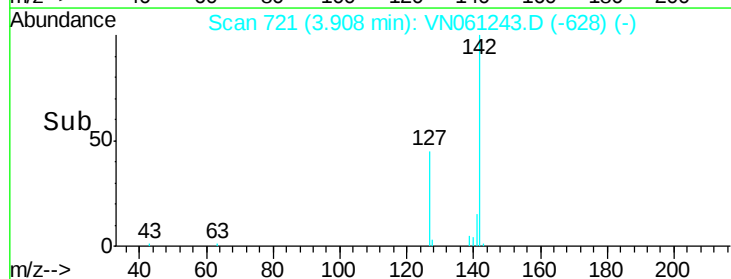
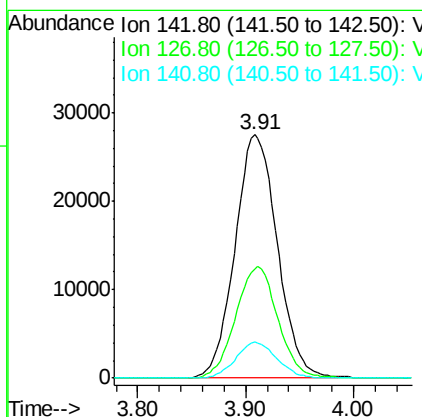
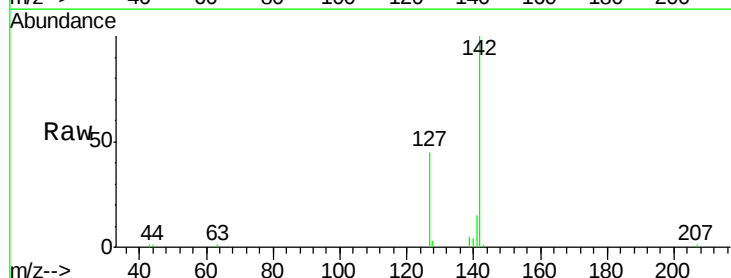
RT: 3.91 min Scan# 721

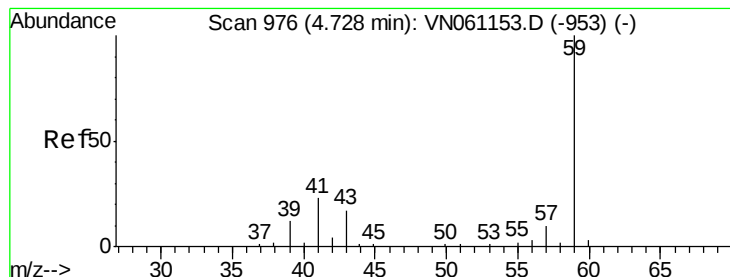
Delta R.T. 0.00 min

Lab File: VN061243.D

Acq: 1 May 2020 20:09

Tgt Ion:	142	Resp:	75223
Ion Ratio	Lower	Upper	
142	100		
127	45.4	38.0	57.0
141	14.2	11.7	17.5





#11

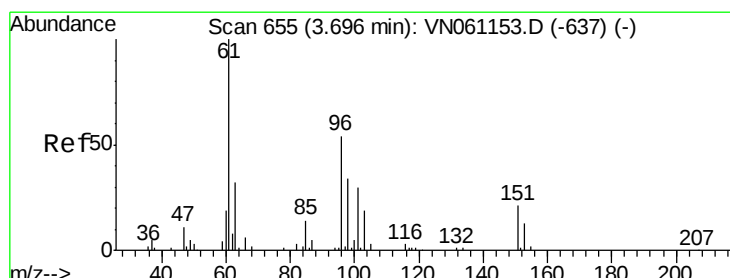
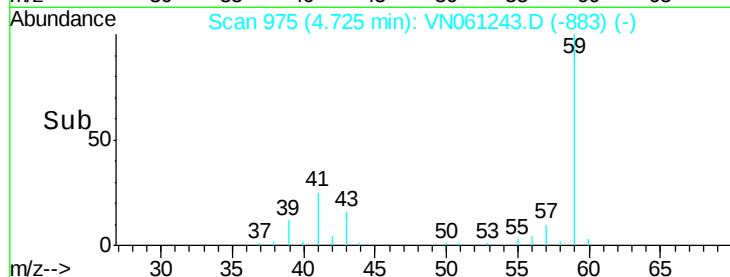
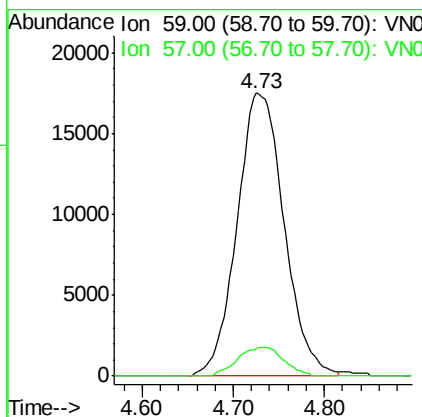
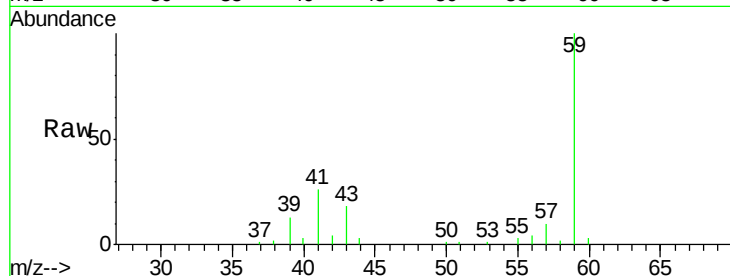
Tert butyl alcohol
 Concen: 256.588 ug/l
 RT: 4.73 min Scan# 975
 Delta R.T. -0.00 min
 Lab File: VN061243.D
 Acq: 1 May 2020 20:09

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB180-GW-803-805MSD

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.3	12.5

Manual Integrations
 APPROVED

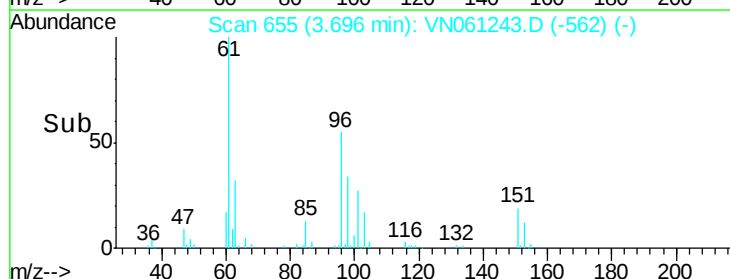
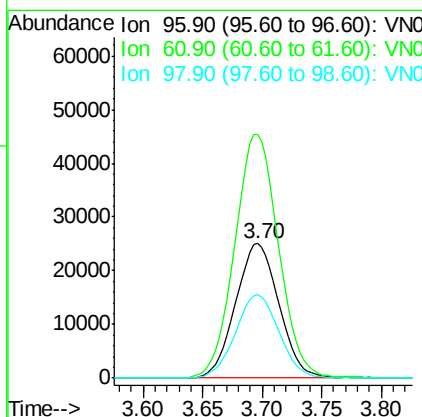
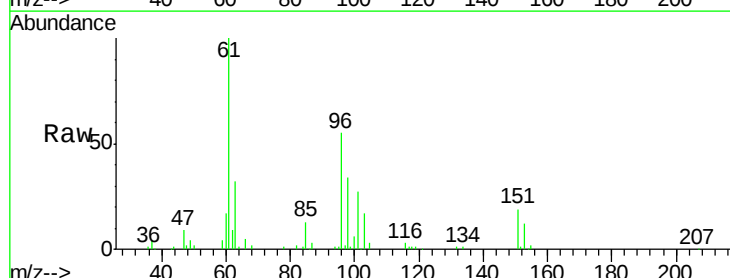
MMDadoda
 5/4/2020 2:58:03 PM

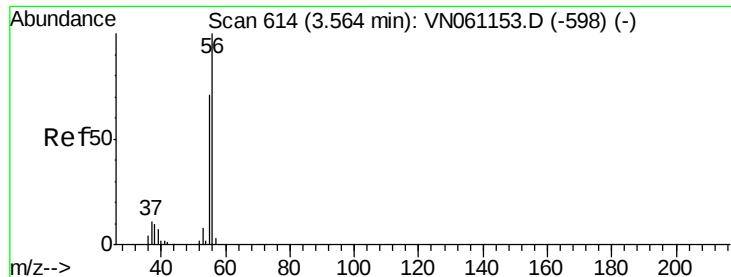


#12

1,1-Dichloroethene
 Concen: 51.813 ug/l
 RT: 3.70 min Scan# 655
 Delta R.T. 0.00 min
 Lab File: VN061243.D
 Acq: 1 May 2020 20:09

Tgt Ion	Ratio	Lower	Upper
96	100		
61	181.0	147.0	220.6
98	62.0	49.8	74.6





#13

Acrolein

Concen: 258.186 ug/l

RT: 3.56 min Scan# 614

Delta R.T. 0.00 min

Lab File: VN061243.D

Acq: 1 May 2020 20:09

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB180-GW-803-805MSD

Tot Ion: 56 Resp: 42167

Ion Ratio Lower Upper

56 100

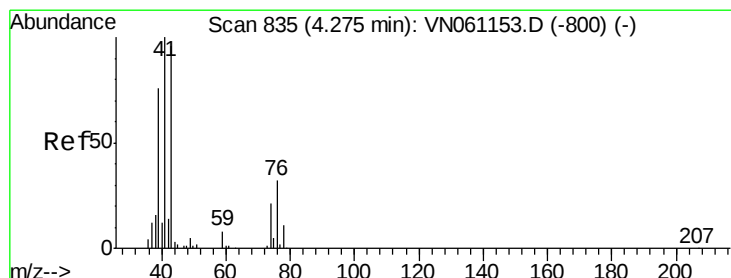
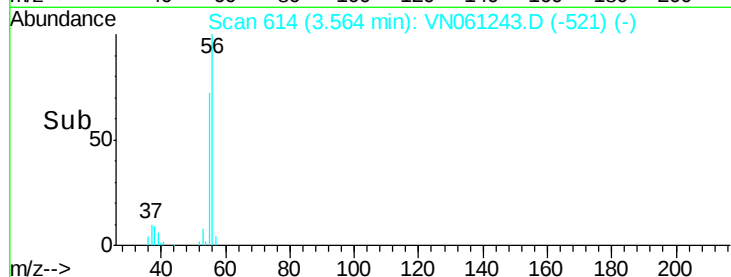
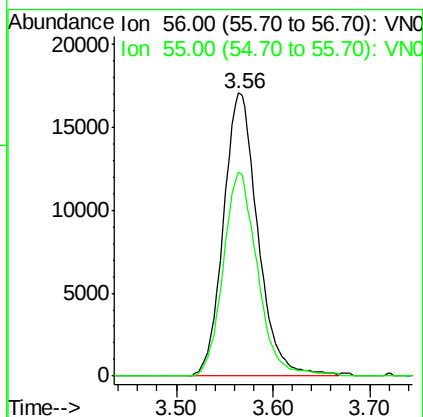
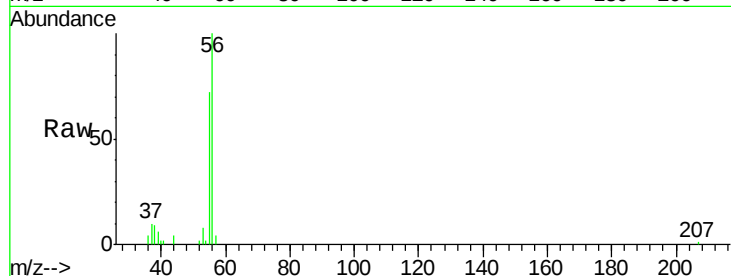
55 71.4 58.5 87.7

Manual Integrations

APPROVED

MMDadoda

5/4/2020 2:58:03 PM



#14

Allyl chloride

Concen: 62.146 ug/l

RT: 4.27 min Scan# 835

Delta R.T. 0.00 min

Lab File: VN061243.D

Acq: 1 May 2020 20:09

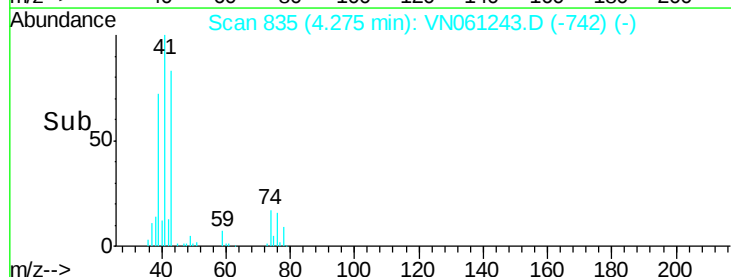
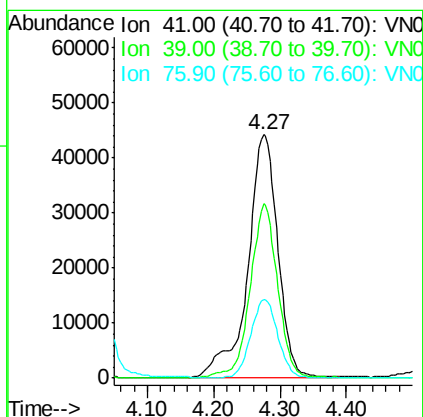
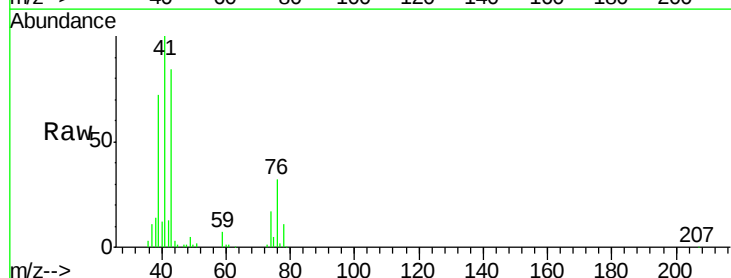
Tgt Ion: 41 Resp: 140570

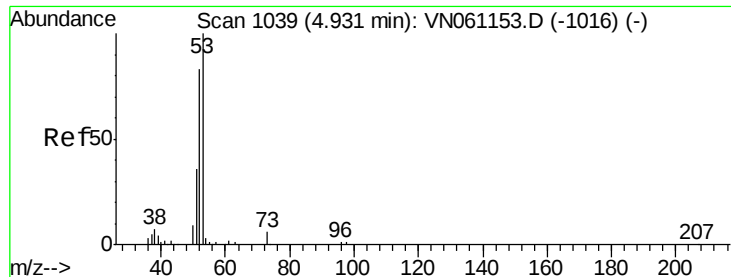
Ion Ratio Lower Upper

41 100

39 64.9 57.1 85.7

76 28.9 24.3 36.5





#15

Acrylonitrile

Concen: 285.046 ug/l

RT: 4.93 min Scan# 1038

Delta R.T. -0.00 min

Lab File: VN061243.D

Acq: 1 May 2020 20:09

Instrument :

MSVOA_N

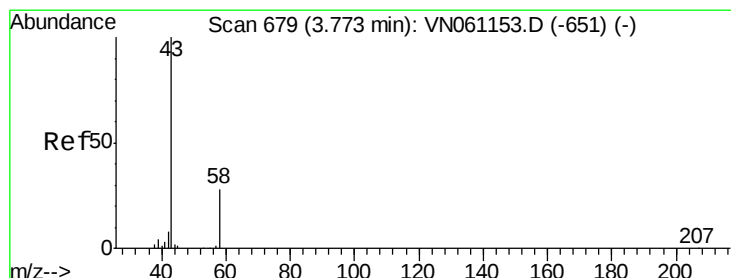
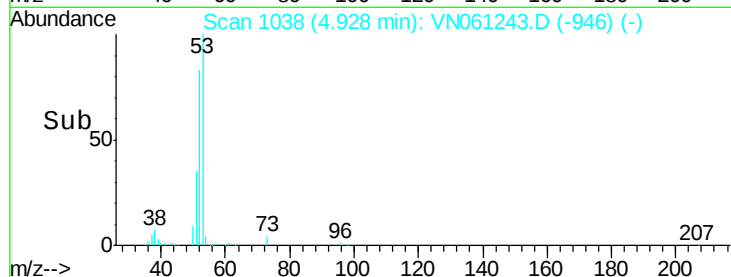
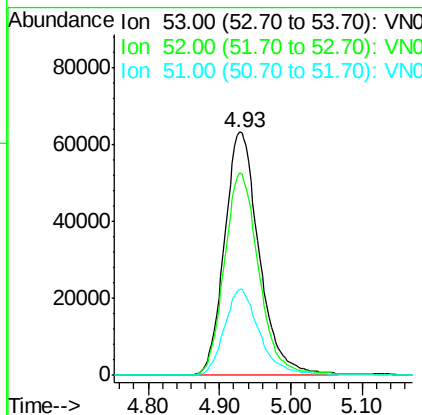
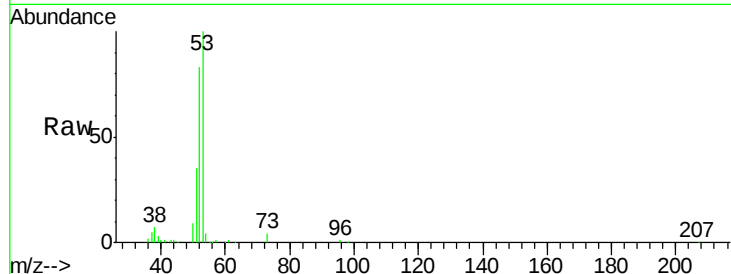
ClientSampleId :

BP-VPB180-GW-803-805MSD

Tot Ion:	53	Resp:	214447
Ion Ratio		Lower	Upper
53	100		
52	83.3	65.4	98.0
51	35.9	29.5	44.3

Manual Integrations
APPROVED

MMDadoda
5/4/2020 2:58:03 PM



#16

Acetone

Concen: 265.854 ug/l

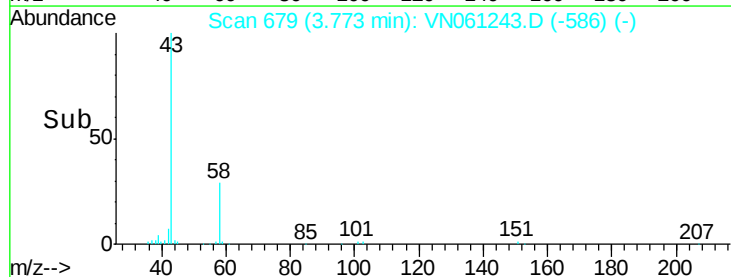
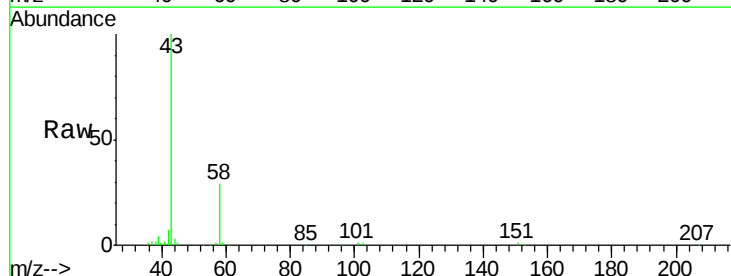
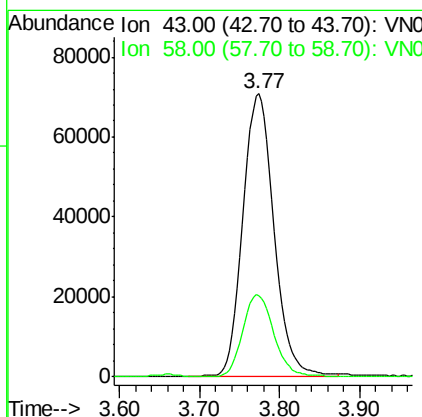
RT: 3.77 min Scan# 679

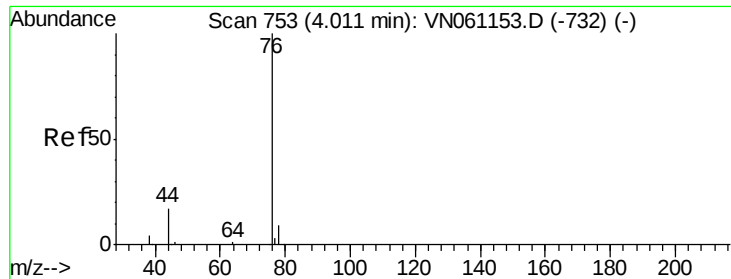
Delta R.T. 0.00 min

Lab File: VN061243.D

Acq: 1 May 2020 20:09

Tgt Ion:	43	Resp:	187860
Ion Ratio		Lower	Upper
43	100		
58	28.6	22.2	33.2





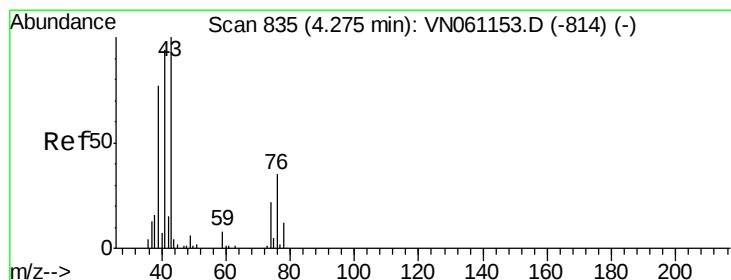
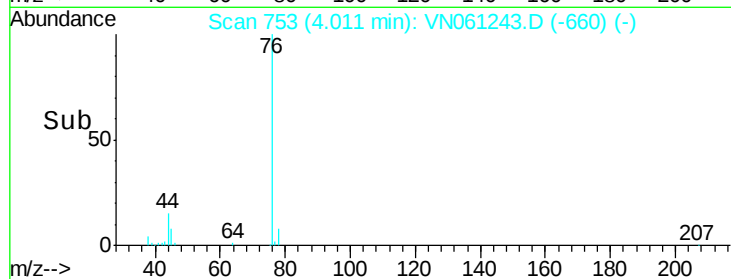
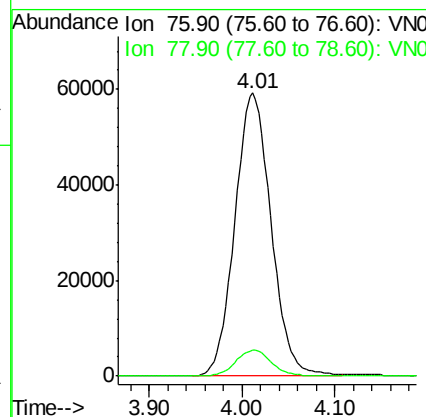
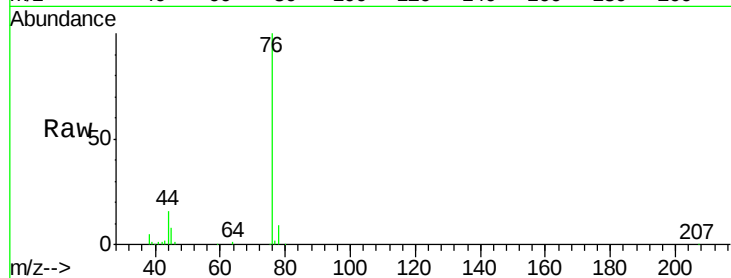
#17
Carbon Disulfide
Concen: 47.654 ug/l
RT: 4.01 min Scan# 753
Delta R.T. 0.00 min
Lab File: VN061243.D
Acq: 1 May 2020 20:09

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB180-GW-803-805MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.2	10.8

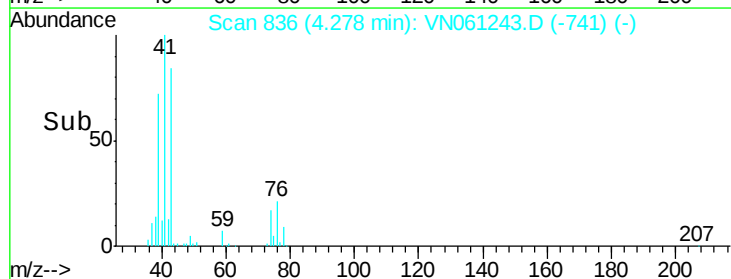
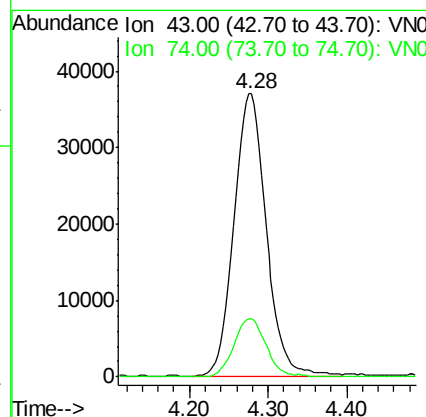
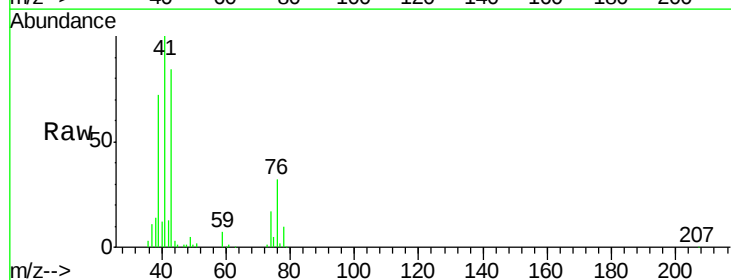
Manual Integrations
APPROVED

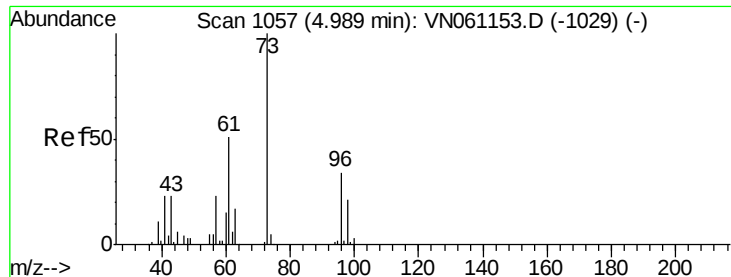
MMDadoda
5/4/2020 2:58:03 PM



#18
Methyl Acetate
Concen: 46.273 ug/l
RT: 4.28 min Scan# 836
Delta R.T. 0.00 min
Lab File: VN061243.D
Acq: 1 May 2020 20:09

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.1	17.0	25.4





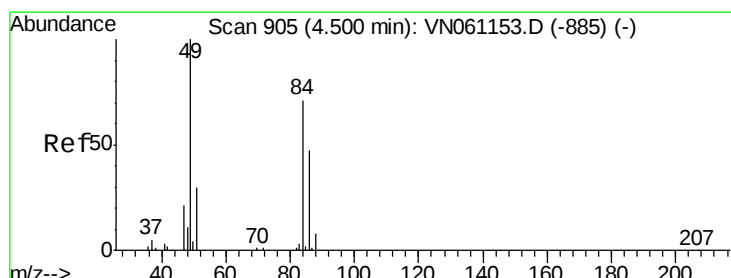
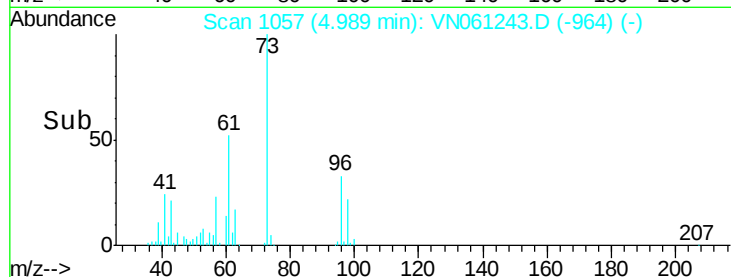
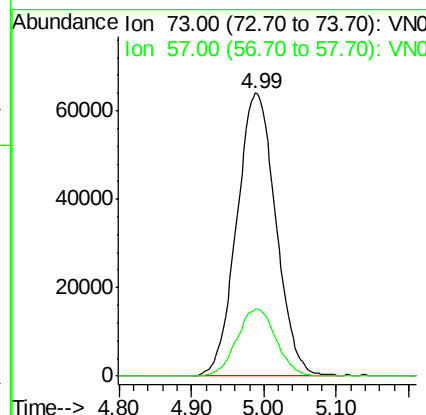
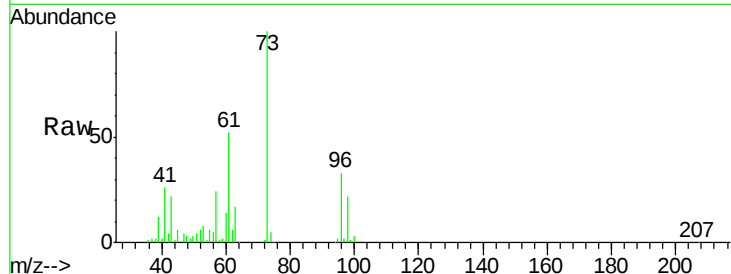
#19
Methvl tert-butvl Ether
Concen: 51.439 ug/l
RT: 4.99 min Scan# 1057
Delta R.T. 0.00 min
Lab File: VN061243.D
Acq: 1 May 2020 20:09

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB180-GW-803-805MSD

Tot Ion: 73 Resp: 239780
Ion Ratio Lower Upper
73 100
57 23.6 18.3 27.5

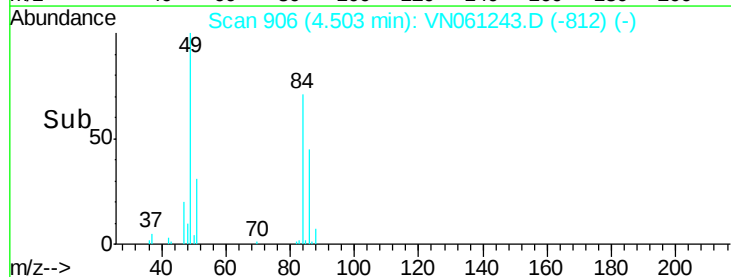
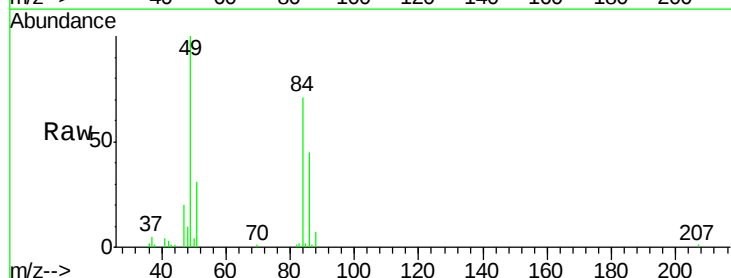
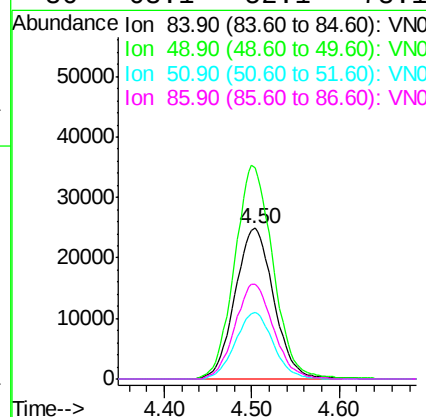
Manual Integrations
APPROVED

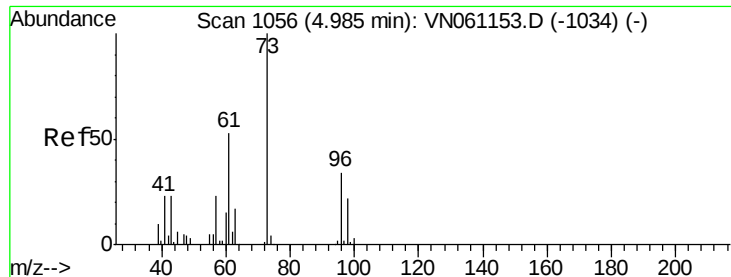
MMDadoda
5/4/2020 2:58:03 PM



#20
Methylene Chloride
Concen: 53.658 ug/l
RT: 4.50 min Scan# 905
Delta R.T. 0.00 min
Lab File: VN061243.D
Acq: 1 May 2020 20:09

Tgt Ion: 84 Resp: 76547
Ion Ratio Lower Upper
84 100
49 140.2 112.0 168.0
51 43.9 33.6 50.4
86 63.1 52.1 78.1





#21

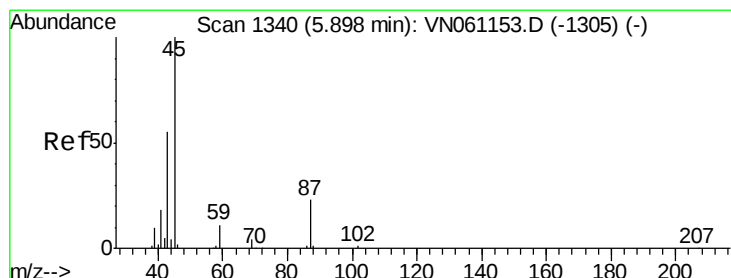
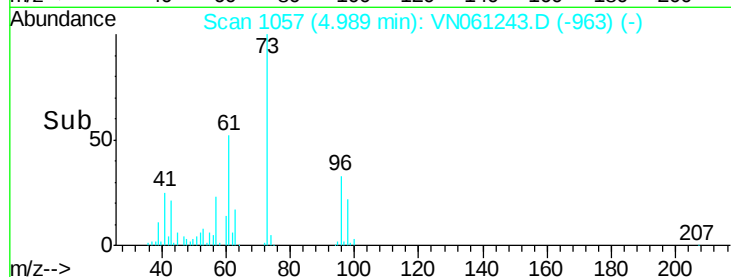
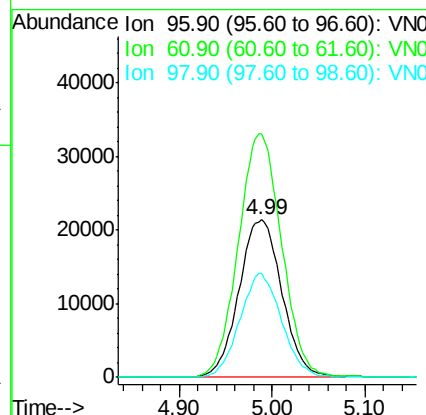
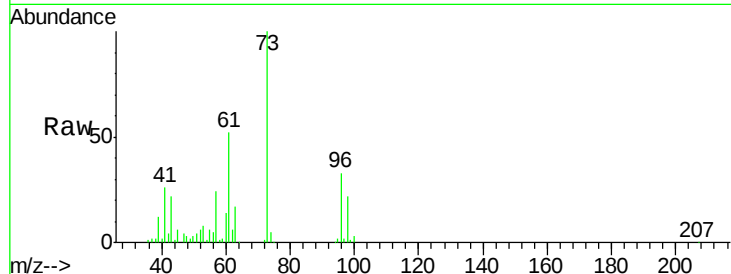
trans-1,2-Dichloroethene
Concen: 51.936 ug/l
RT: 4.99 min Scan# 1057
Delta R.T. 0.00 min
Lab File: VN061243.D
Acq: 1 May 2020 20:09

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB180-GW-803-805MSD

Tot Ion	Ratio	Lower	Upper
96	100		
61	154.4	123.0	184.4
98	65.8	50.1	75.1

Manual Integrations
APPROVED

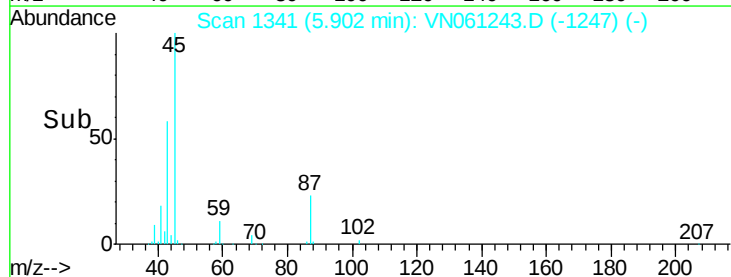
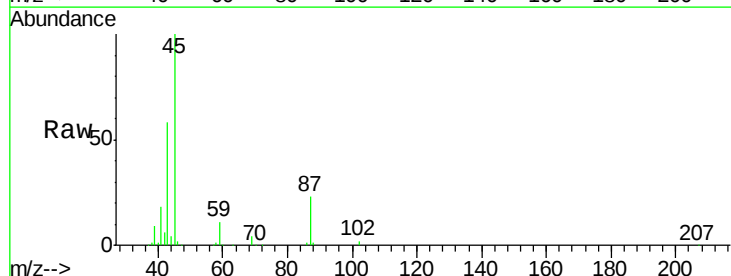
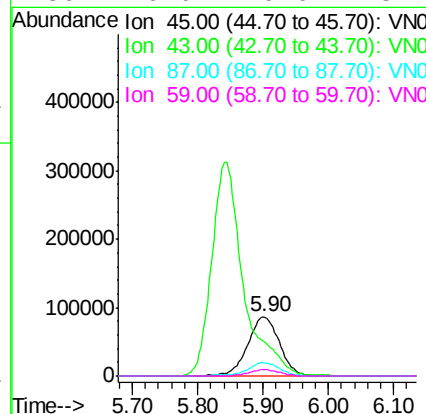
MMDadoda
5/4/2020 2:58:03 PM

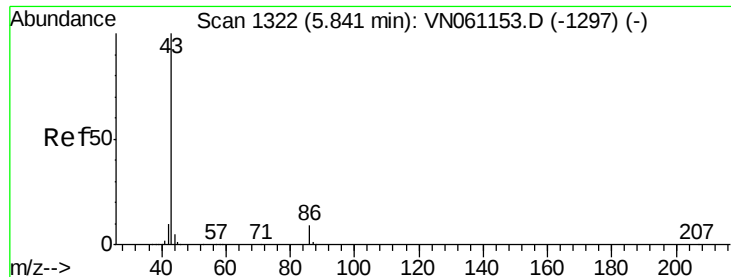


#22

Diisopropyl ether
Concen: 55.867 ug/l
RT: 5.90 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VN061243.D
Acq: 1 May 2020 20:09

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.8	47.9	71.9
87	22.6	19.2	28.8
59	10.9	9.0	13.4





#23

Vinyl Acetate

Concen: 250.260 ug/l

RT: 5.84 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VN061243.D

Acq: 1 May 2020 20:09

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB180-GW-803-805MSD

Tot Ion: 43 Resp: 1056945

Ion Ratio Lower Upper

43 100

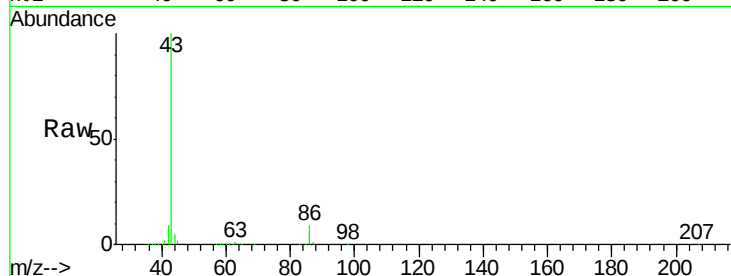
86 8.6 7.2 10.8

Manual Integrations

APPROVED

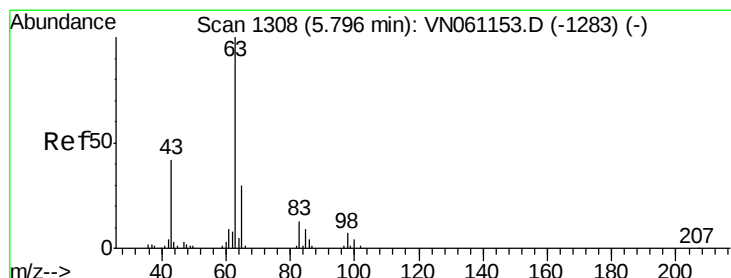
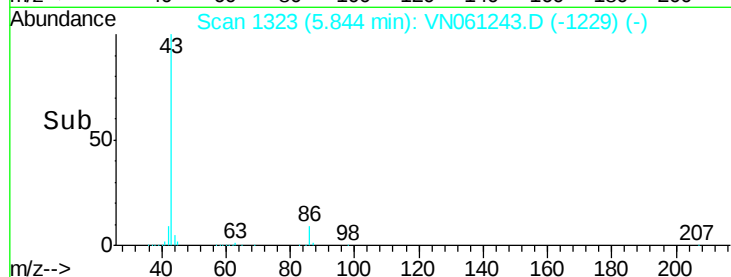
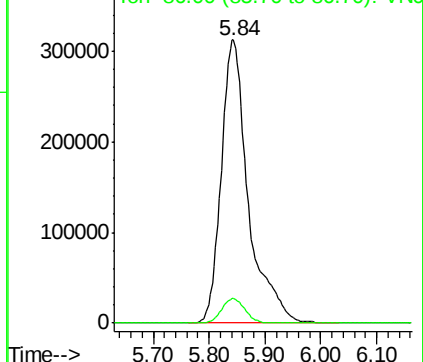
MMDadoda

5/4/2020 2:58:03 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 53.109 ug/l

RT: 5.80 min Scan# 1308

Delta R.T. 0.00 min

Lab File: VN061243.D

Acq: 1 May 2020 20:09

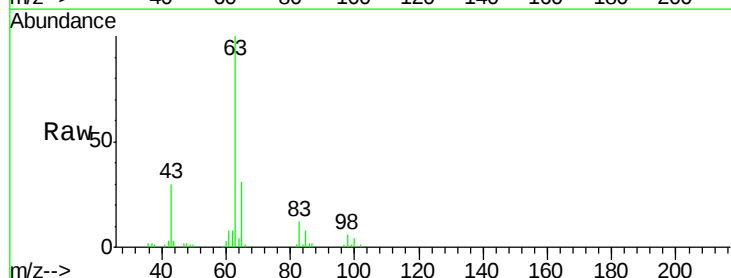
Tgt Ion: 63 Resp: 145547

Ion Ratio Lower Upper

63 100

98 6.2 3.3 9.9

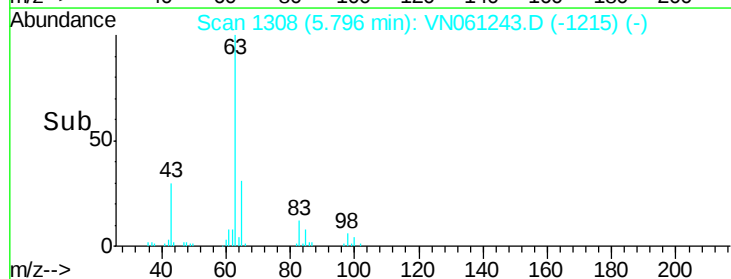
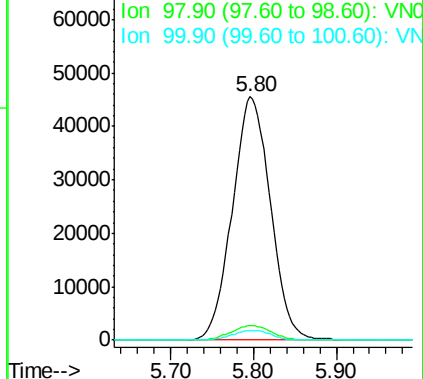
100 4.1 1.9 5.7

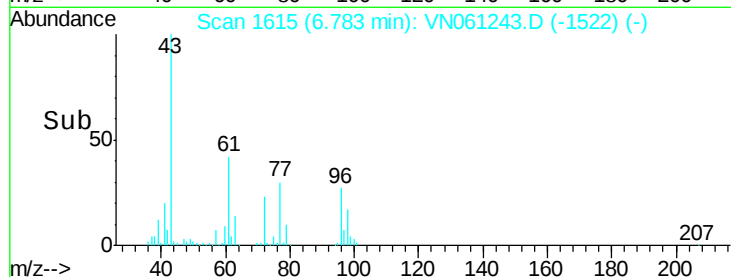
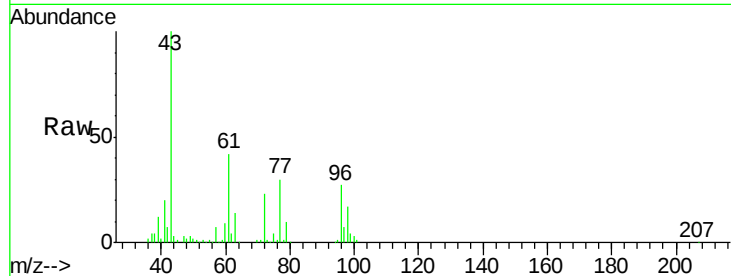
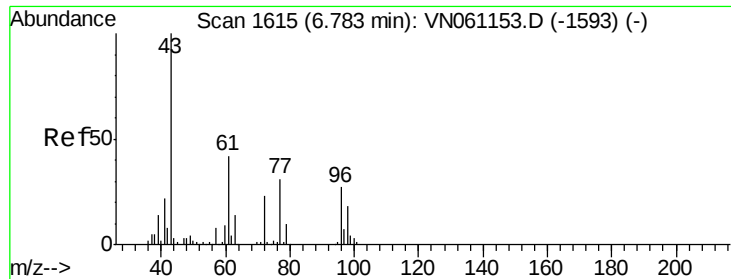


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





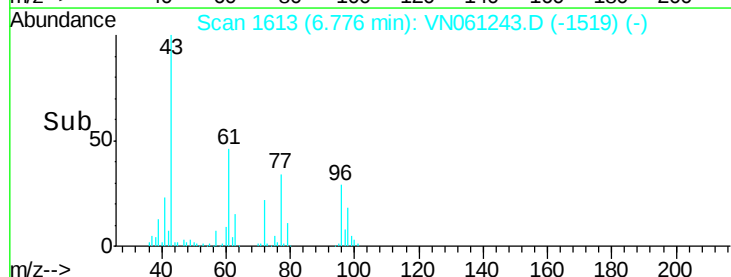
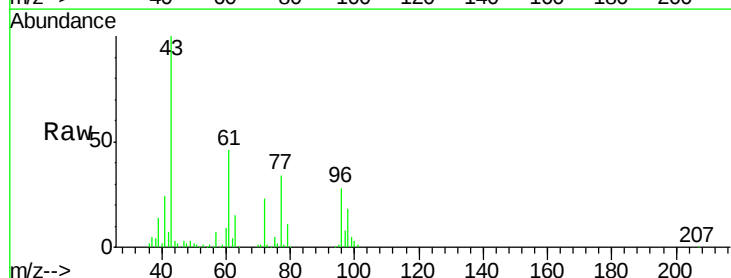
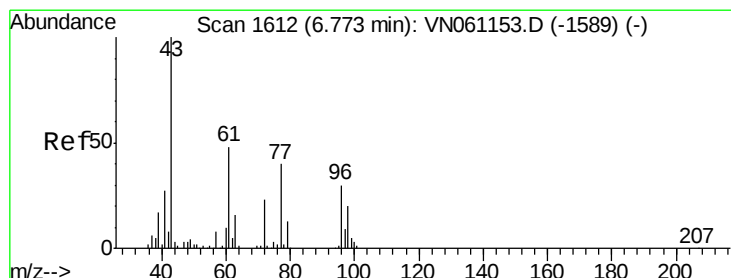
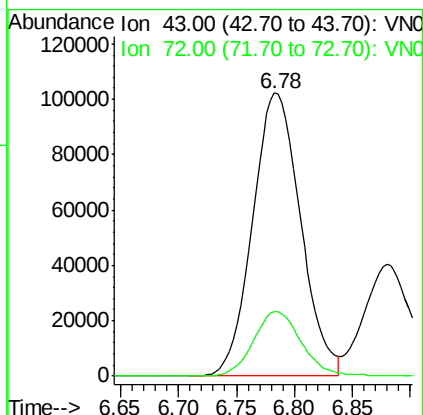
#25
2-Butanone
Concen: 272.001 ug/l
RT: 6.78 min Scan# 1615
Delta R.T. 0.00 min
Lab File: VN061243.D
Acq: 1 May 2020 20:09

Tot Ion: 43 Resp: 294463
Ion Ratio Lower Upper
43 100
72 22.9 18.2 27.4

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB180-GW-803-805MSD

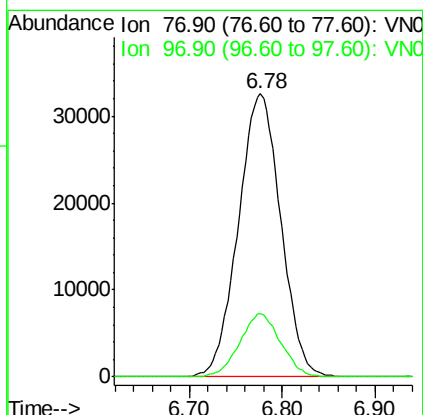
Manual Integrations
APPROVED

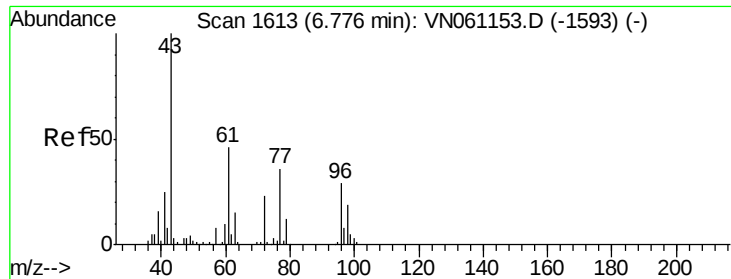
MMDadoda
5/4/2020 2:58:03 PM



#26
2,2-Dichloropropane
Concen: 44.840 ug/l
RT: 6.78 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VN061243.D
Acq: 1 May 2020 20:09

Tgt Ion: 77 Resp: 103506
Ion Ratio Lower Upper
77 100
97 21.5 10.5 31.5





#27

cis-1,2-Dichloroethene

Concen: 51.723 ug/l

RT: 6.78 min Scan# 1614

Delta R.T. 0.00 min

Lab File: VN061243.D

Acq: 1 May 2020 20:09

Instrument :

MSVOA_N

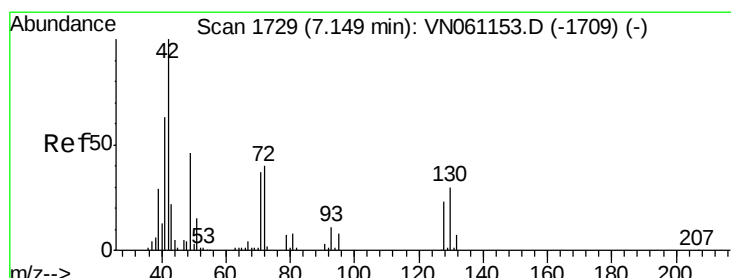
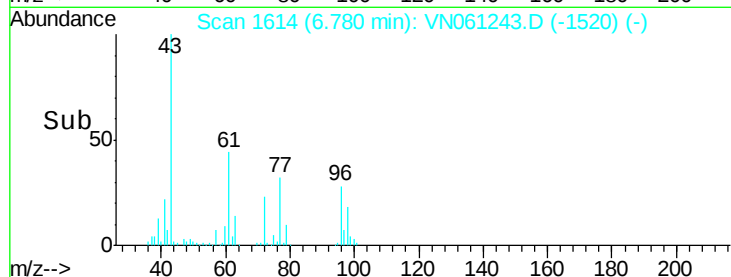
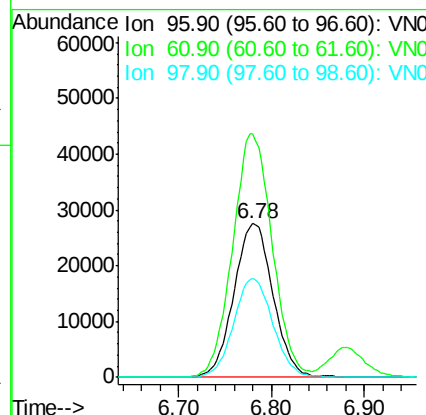
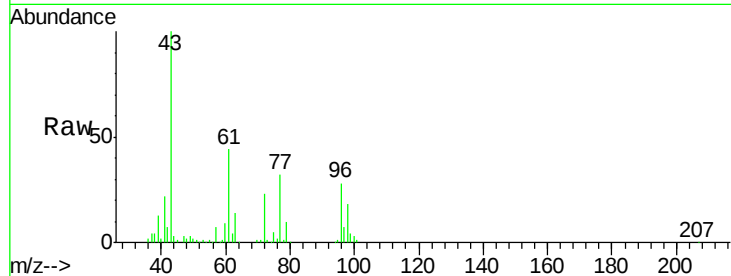
ClientSampleId :

BP-VPB180-GW-803-805MSD

Tot Ion:	96	Resp:	80629
Ion	Ratio	Lower	Upper
96	100		
61	160.2	0.0	322.0
98	64.4	0.0	129.6

Manual Integrations
APPROVED

MMDadoda
5/4/2020 2:58:03 PM



#28

Bromochloromethane

Concen: 54.738 ug/l

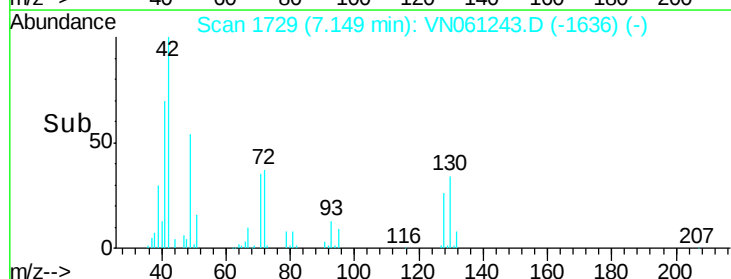
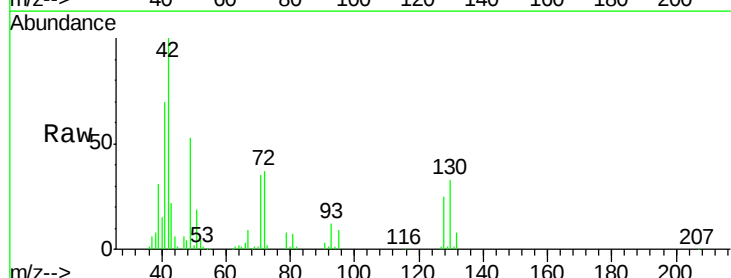
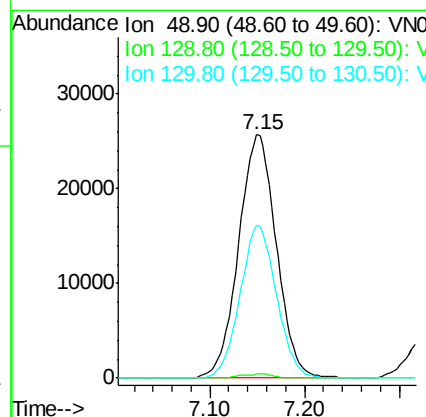
RT: 7.15 min Scan# 1729

Delta R.T. 0.00 min

Lab File: VN061243.D

Acq: 1 May 2020 20:09

Tgt Ion:	49	Resp:	71103
Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.0
130	60.5	51.4	77.2





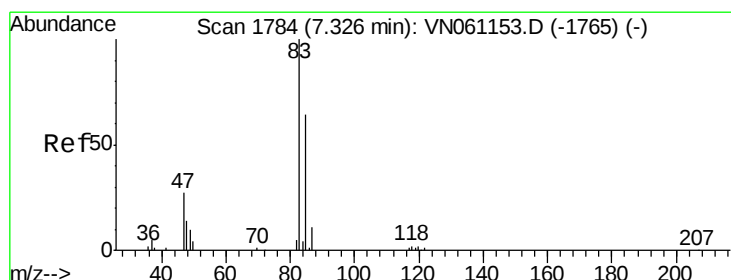
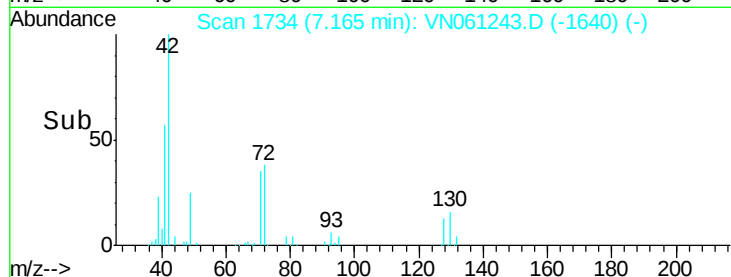
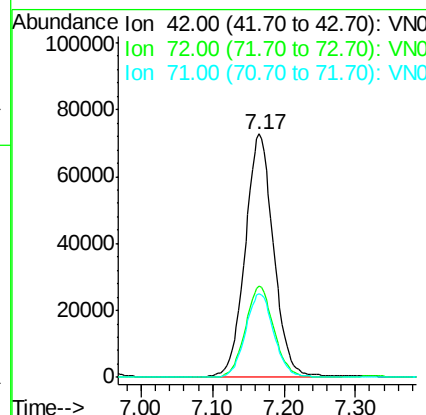
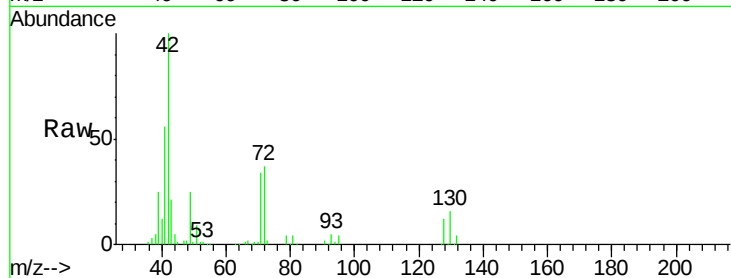
#29
Tetrahydrofuran
Concen: 277.267 ug/l
RT: 7.17 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN061243.D
Acq: 1 May 2020 20:09

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB180-GW-803-805MSD

Tot Ion	Ratio	Resp	Lower	Upper
42	100	202197		
72	37.2		31.4	47.0
71	34.1		29.5	44.3

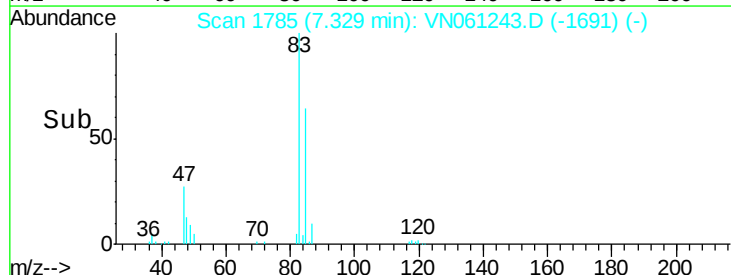
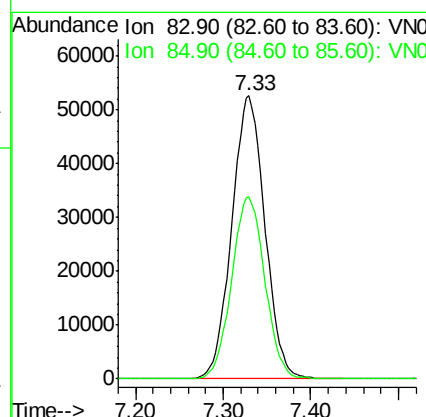
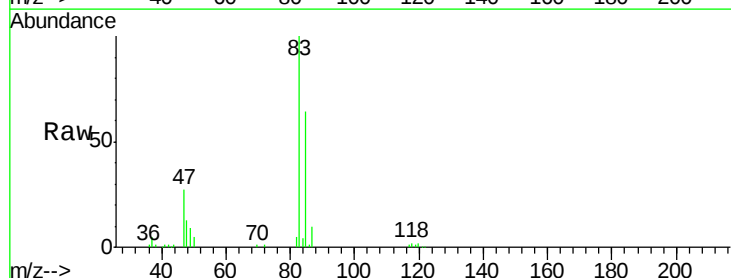
Manual Integrations
APPROVED

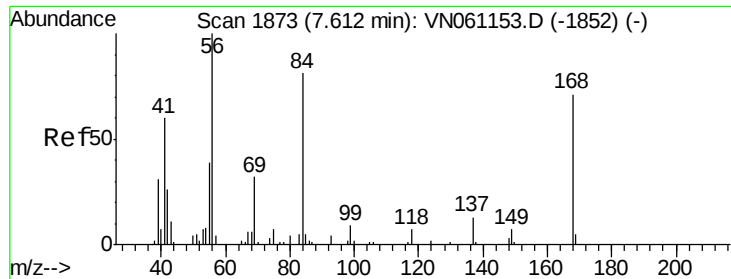
MMDadoda
5/4/2020 2:58:03 PM



#30
Chloroform
Concen: 49.758 ug/l
RT: 7.33 min Scan# 1785
Delta R.T. 0.00 min
Lab File: VN061243.D
Acq: 1 May 2020 20:09

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	138190		
85	64.3		51.1	76.7





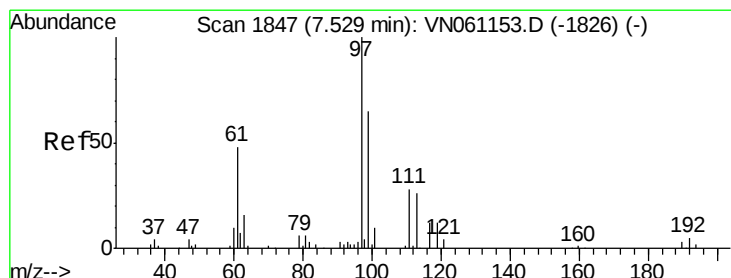
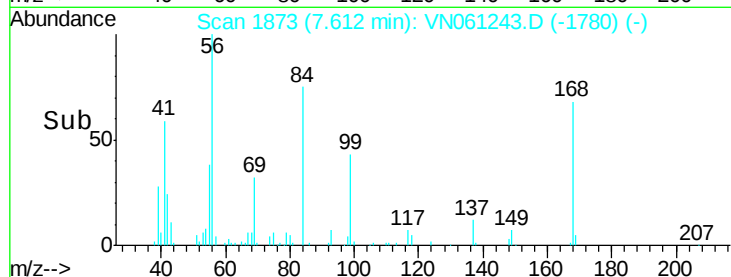
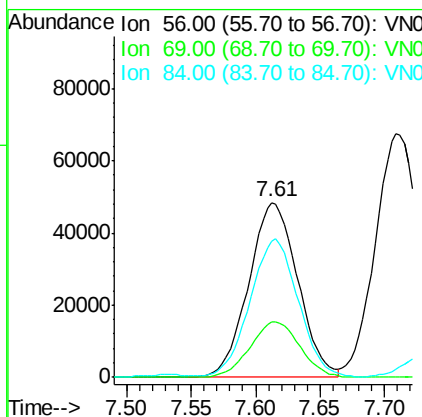
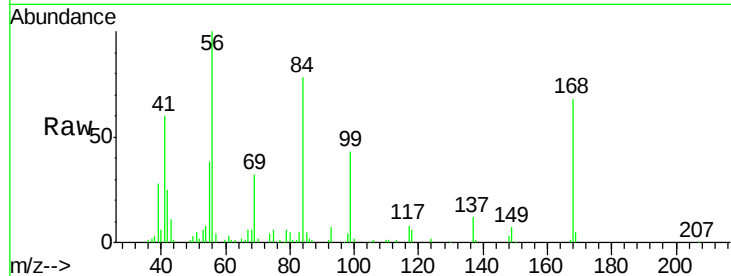
#31
Cyclohexane
Concen: 48.091 ug/l
RT: 7.61 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VN061243.D
Acq: 1 May 2020 20:09

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB180-GW-803-805MSD

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.5	25.7	38.5
84	77.0	64.6	97.0

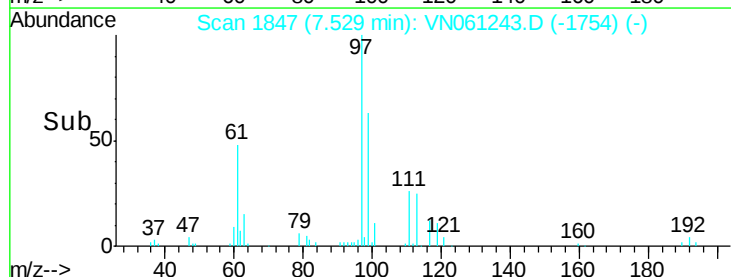
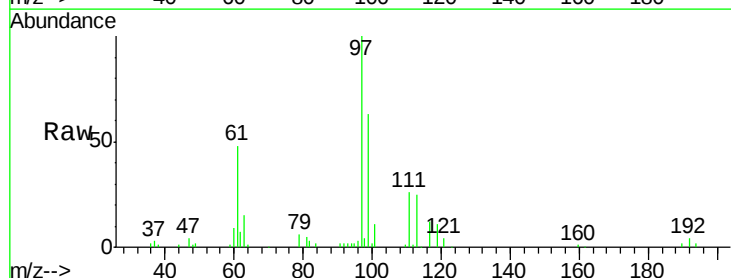
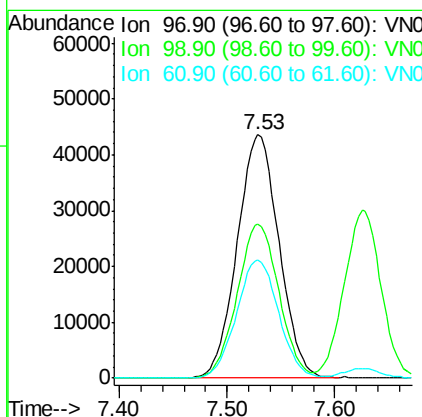
Manual Integrations
APPROVED

MMDadoda
5/4/2020 2:58:03 PM



#32
1,1,1-Trichloroethane
Concen: 48.646 ug/l
RT: 7.53 min Scan# 1847
Delta R.T. 0.00 min
Lab File: VN061243.D
Acq: 1 May 2020 20:09

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.1	51.3	76.9
61	48.8	38.6	57.8





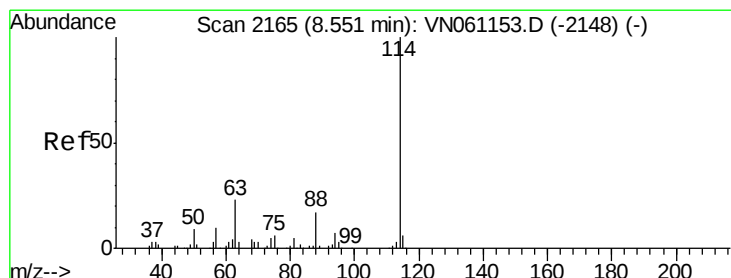
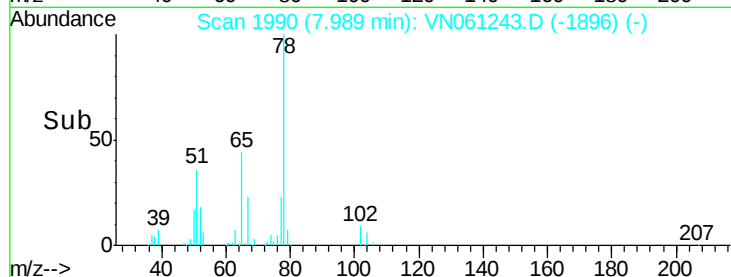
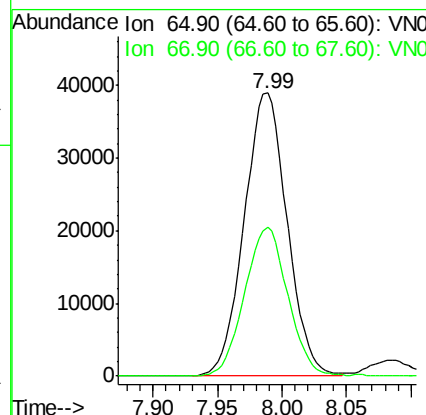
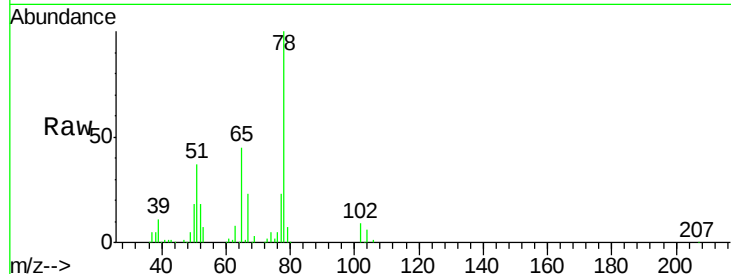
#33
 1,2-Dichloroethane-d4
 Concen: 49.455 ug/l
 RT: 7.99 min Scan# 1990
 Delta R.T. 0.00 min
 Lab File: VN061243.D
 Acq: 1 May 2020 20:09

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB180-GW-803-805MSD

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	101.6

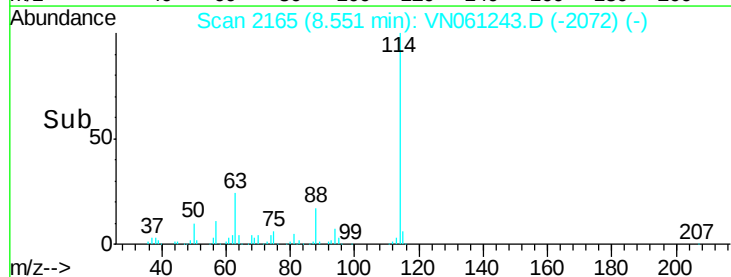
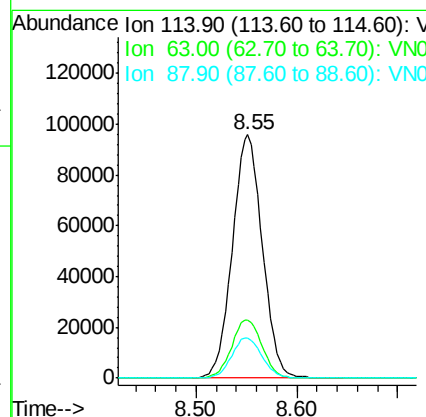
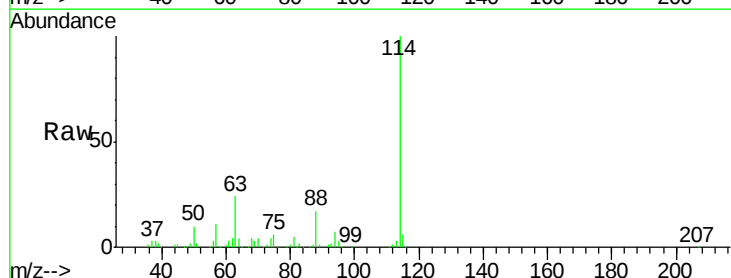
Manual Integrations
 APPROVED

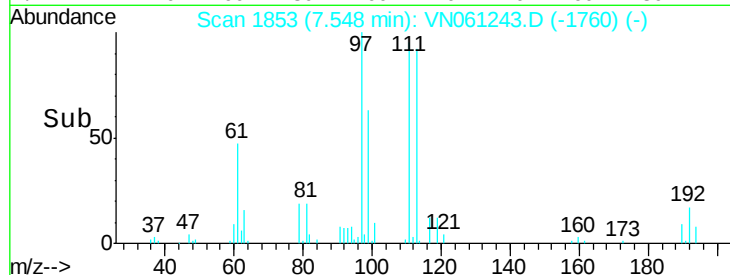
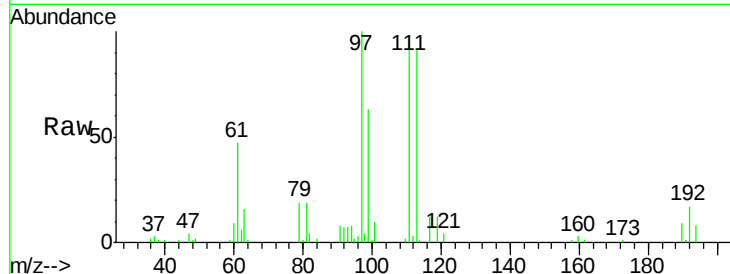
MMDadoda
 5/4/2020 2:58:03 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VN061243.D
 Acq: 1 May 2020 20:09

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.8	0.0	46.6
88	16.5	0.0	33.4





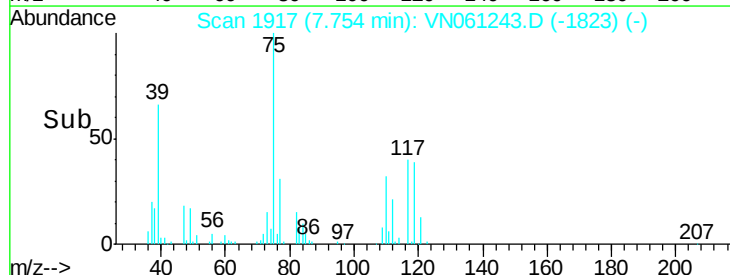
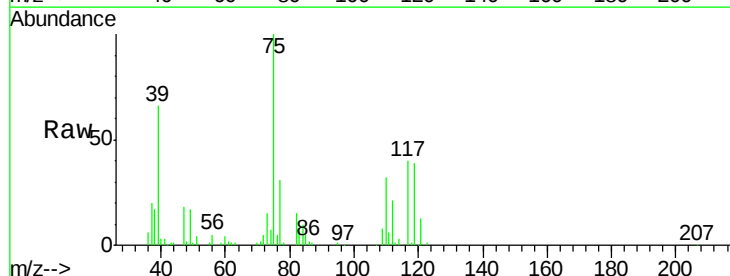
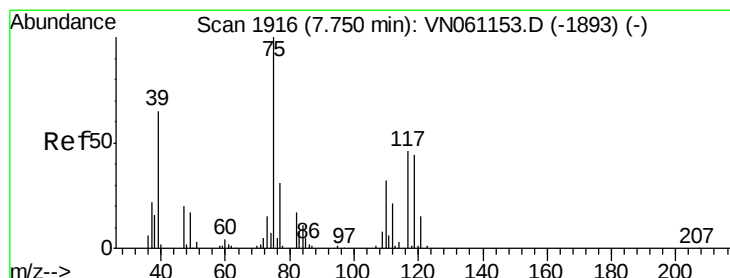
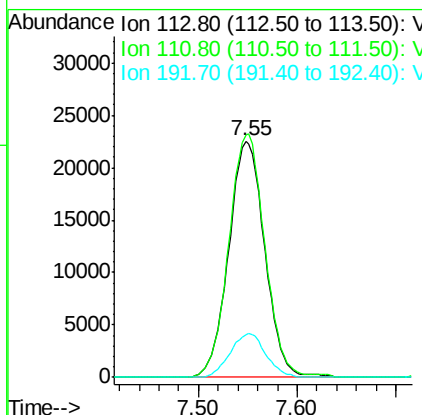
#35
Dibromofluoromethane
Concen: 48.992 ug/l
RT: 7.55 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VN061243.D
Acq: 1 May 2020 20:09

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.1	82.9	124.3	
192	18.2	14.7	22.1	

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB180-GW-803-805MSD

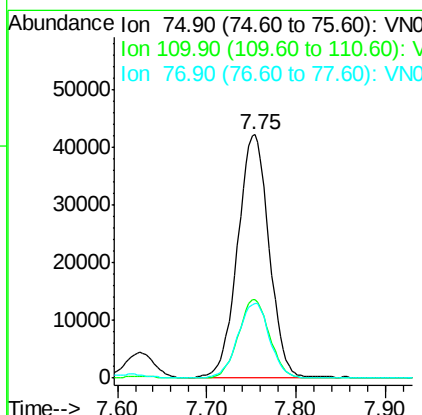
Manual Integrations
APPROVED

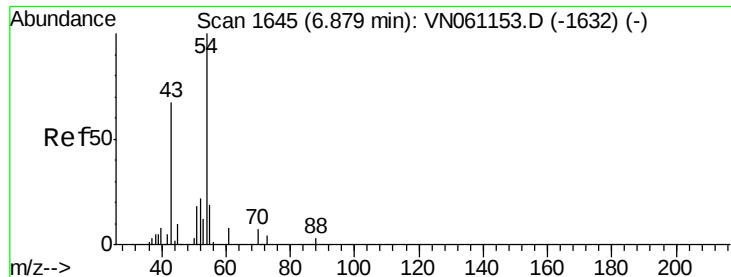
MMDadoda
5/4/2020 2:58:03 PM



#36
1,1-Dichloropropene
Concen: 52.111 ug/l
RT: 7.75 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VN061243.D
Acq: 1 May 2020 20:09

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	31.7	16.0	48.0	
77	31.0	24.6	37.0	





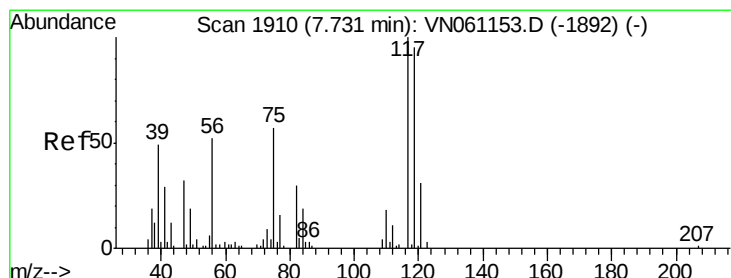
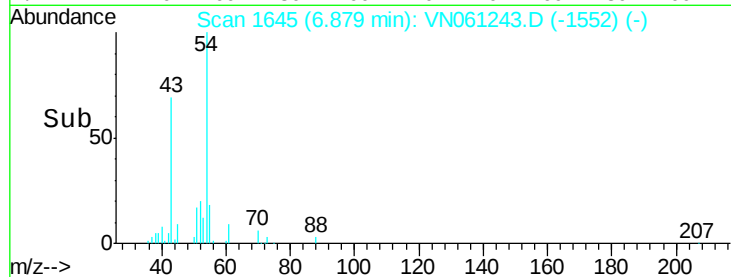
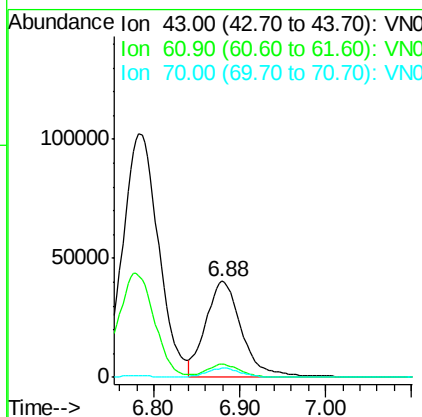
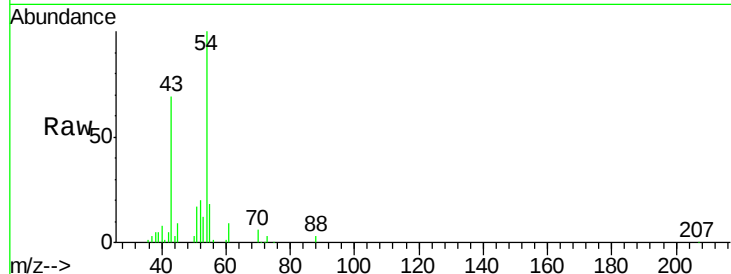
#37
Ethyl Acetate
Concen: 49.964 ug/l
RT: 6.88 min Scan# 1645
Delta R.T. 0.00 min
Lab File: VN061243.D
Acq: 1 May 2020 20:09

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB180-GW-803-805MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.2	15.2
70	9.0	7.2	10.8

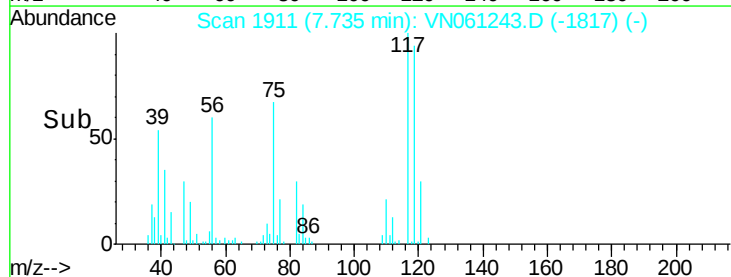
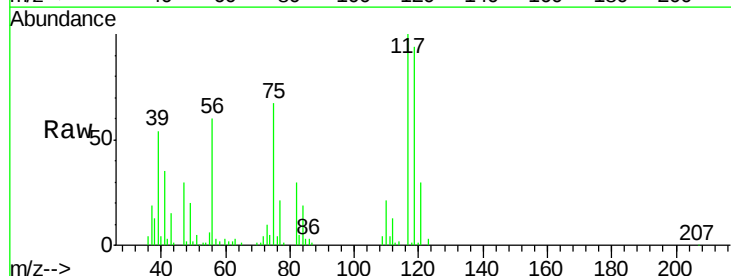
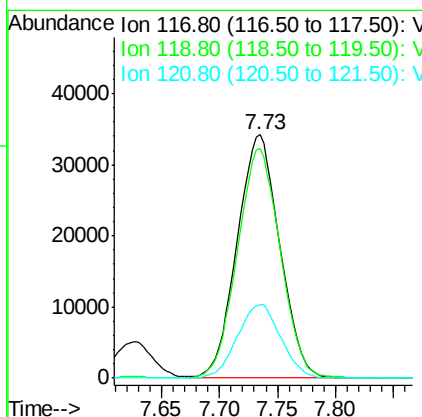
Manual Integrations
APPROVED

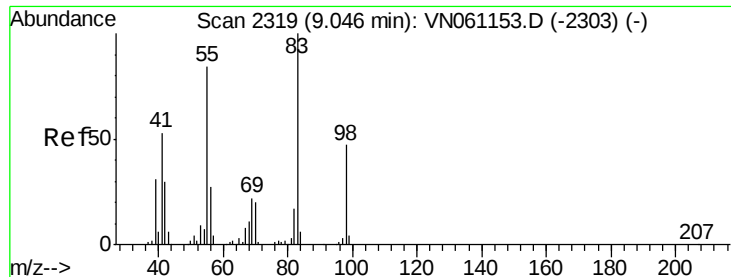
MMDadoda
5/4/2020 2:58:03 PM



#38
Carbon Tetrachloride
Concen: 48.482 ug/l
RT: 7.73 min Scan# 1911
Delta R.T. 0.00 min
Lab File: VN061243.D
Acq: 1 May 2020 20:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.3	75.8	113.6
121	30.2	24.7	37.1





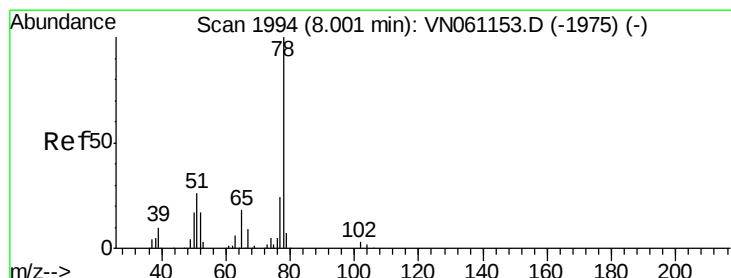
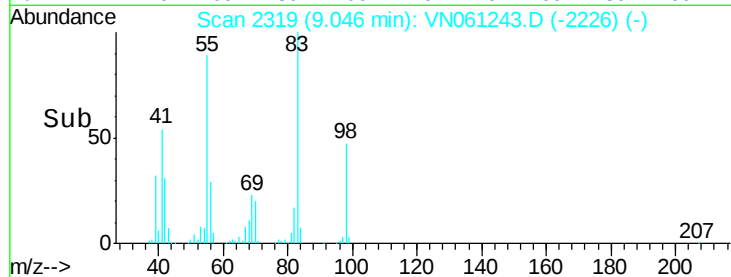
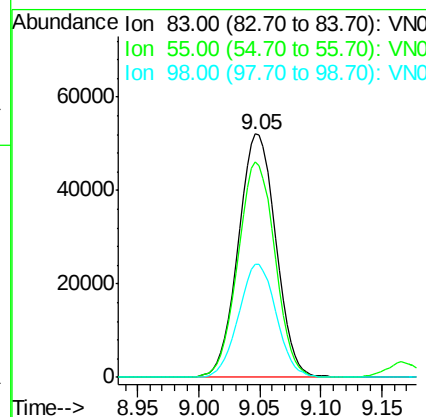
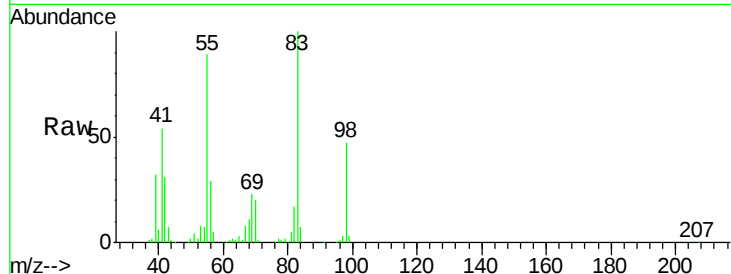
#39
Methvlcvclohexane
Concen: 50.038 ug/l
RT: 9.05 min Scan# 2319
Delta R.T. 0.00 min
Lab File: VN061243.D
Acq: 1 May 2020 20:09

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB180-GW-803-805MSD

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	88.6	67.3	100.9	
98	46.6	37.7	56.5	

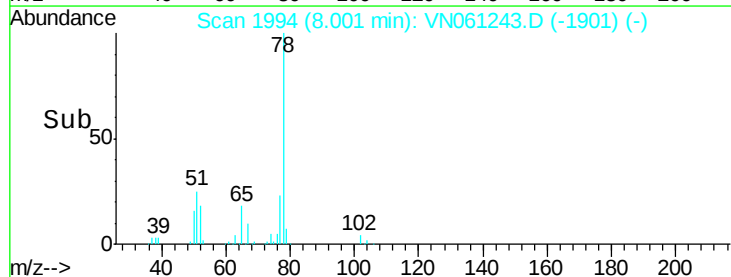
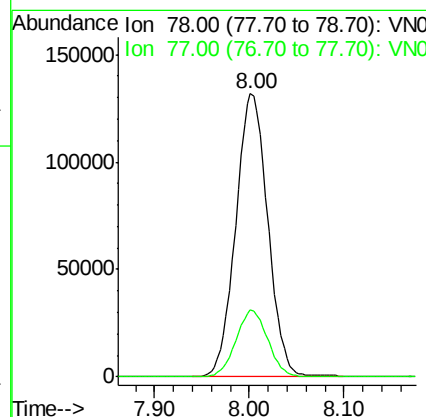
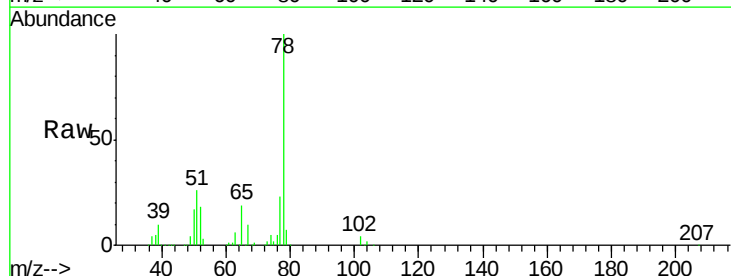
Manual Integrations
APPROVED

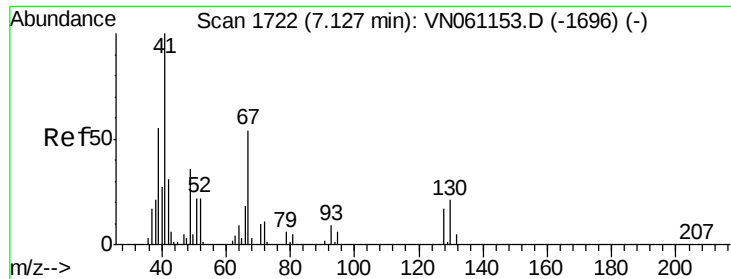
MMDadoda
5/4/2020 2:58:03 PM



#40
Benzene
Concen: 52.577 ug/l
RT: 8.00 min Scan# 1994
Delta R.T. 0.00 min
Lab File: VN061243.D
Acq: 1 May 2020 20:09

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.5	19.0	28.6	





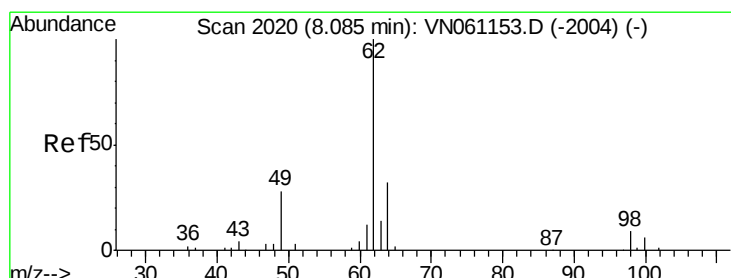
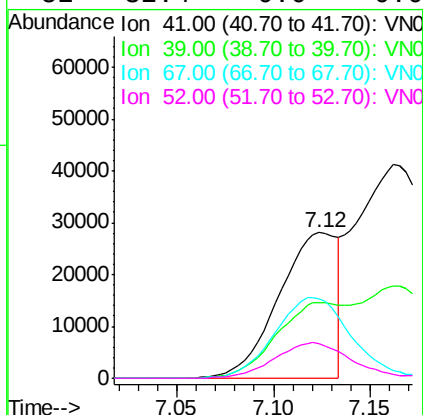
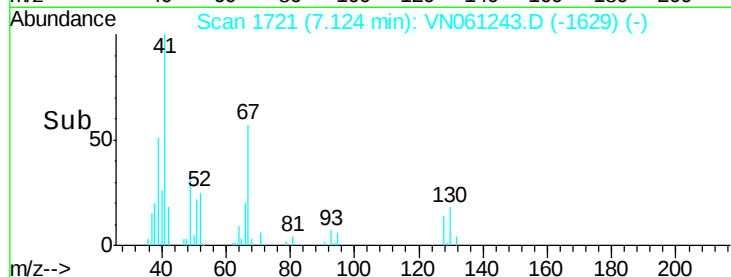
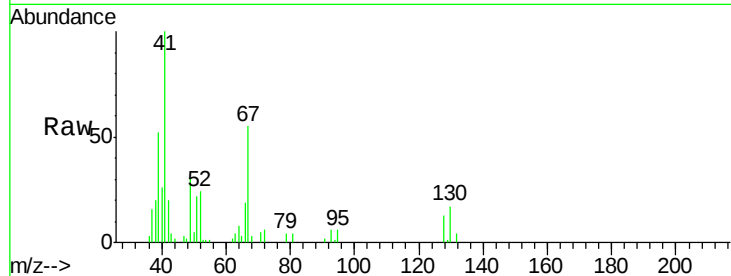
#41
Methacrylonitrile
Concen: 61.401 ug/l
RT: 7.12 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VN061243.D
Acq: 1 May 2020 20:09

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB180-GW-803-805MSD

Tot Ion	41	Resp	59236
Ion Ratio	Lower	Upper	
41	100		
39	58.0	0.0	0.0#
67	73.2	0.0	0.0#
52	32.4	0.0	0.0#

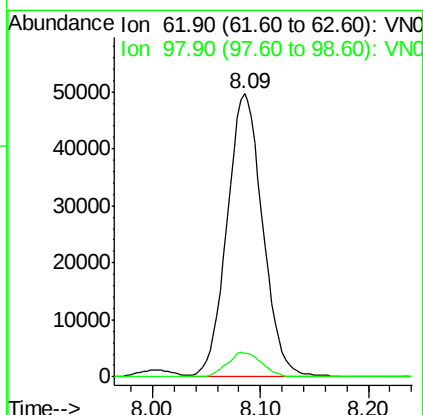
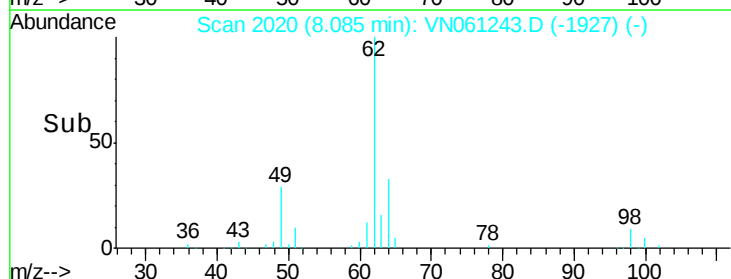
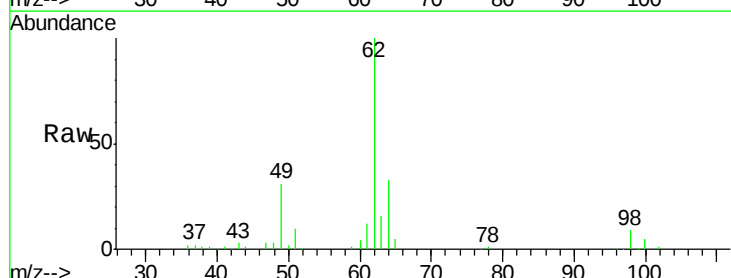
Manual Integrations
APPROVED

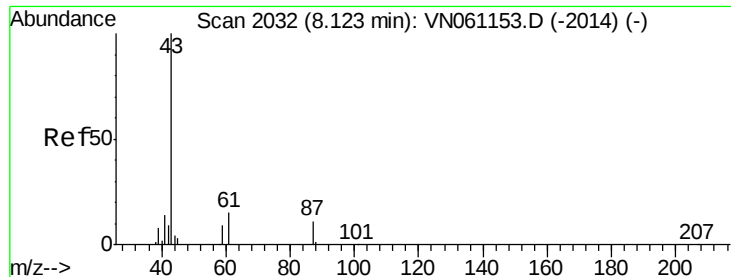
MMDadoda
5/4/2020 2:58:03 PM



#42
1,2-Dichloroethane
Concen: 50.726 ug/l
RT: 8.09 min Scan# 2020
Delta R.T. 0.00 min
Lab File: VN061243.D
Acq: 1 May 2020 20:09

Tgt Ion	62	Resp	113474
Ion Ratio	Lower	Upper	
62	100		
98	8.5	0.0	16.8





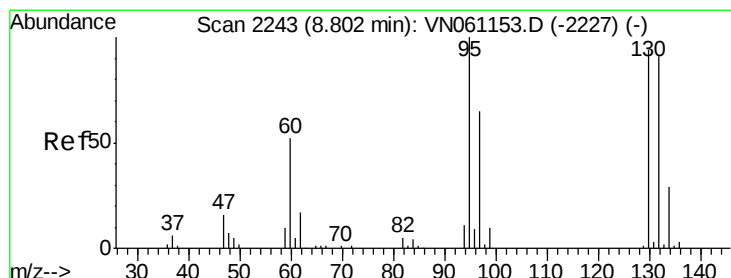
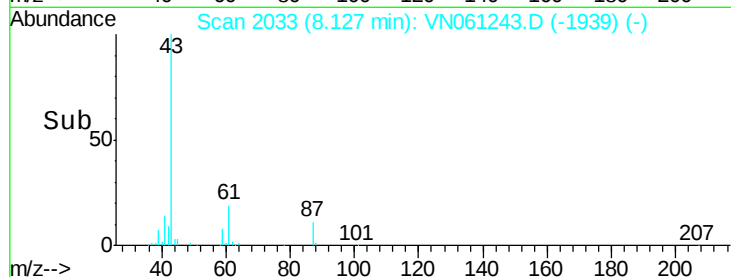
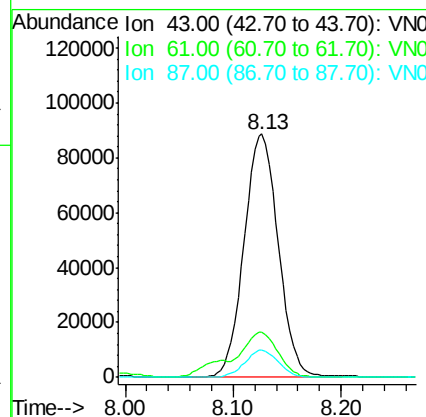
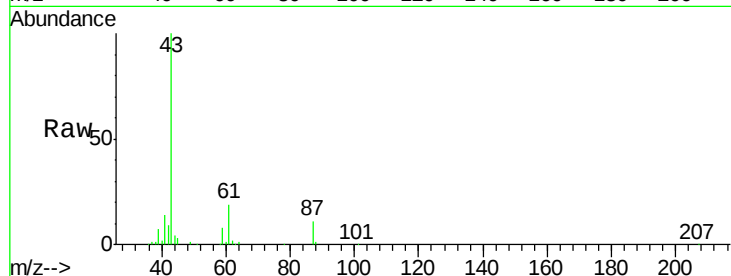
#43
Isopropyl Acetate
Concen: 50.799 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN061243.D
Acq: 1 May 2020 20:09

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB180-GW-803-805MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.8	19.5	29.3#
87	10.9	8.9	13.3

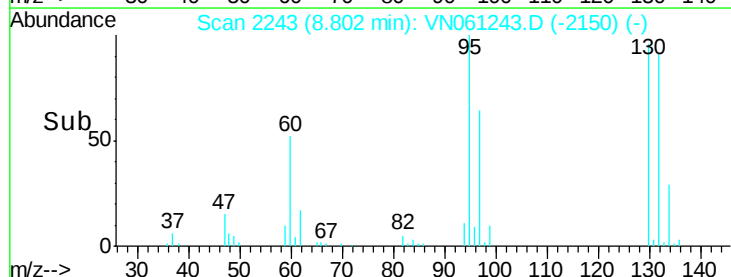
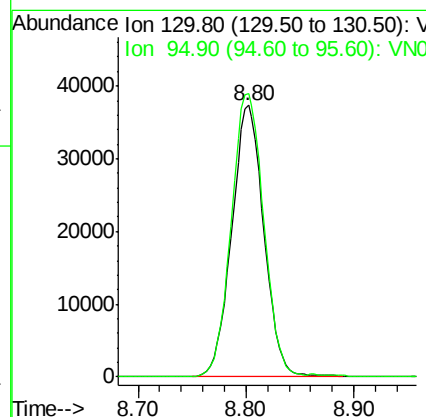
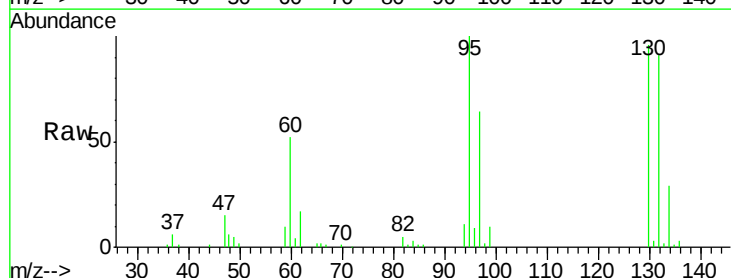
Manual Integrations
APPROVED

MMDadoda
5/4/2020 2:58:03 PM



#44
Trichloroethene
Concen: 48.564 ug/l
RT: 8.80 min Scan# 2243
Delta R.T. 0.00 min
Lab File: VN061243.D
Acq: 1 May 2020 20:09

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.2	0.0	212.4





#45

1,2-Dichloropropane

Concen: 53.441 ug/l

RT: 9.09 min Scan# 2331

Delta R.T. 0.00 min

Lab File: VN061243.D

Acq: 1 May 2020 20:09

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB180-GW-803-805MSD

Tot Ion: 63 Resp: 84305

Ion Ratio Lower Upper

63 100

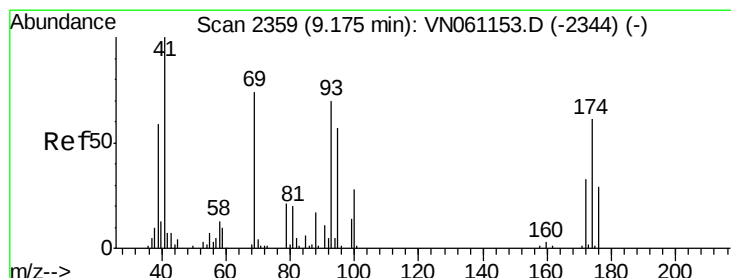
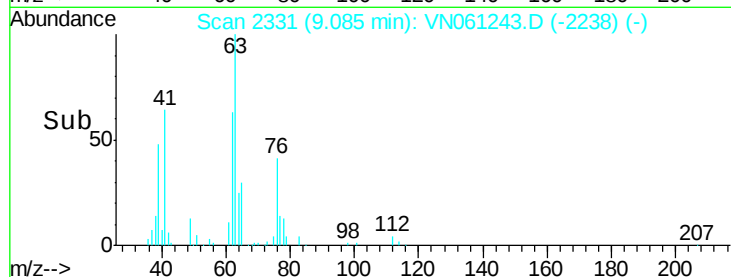
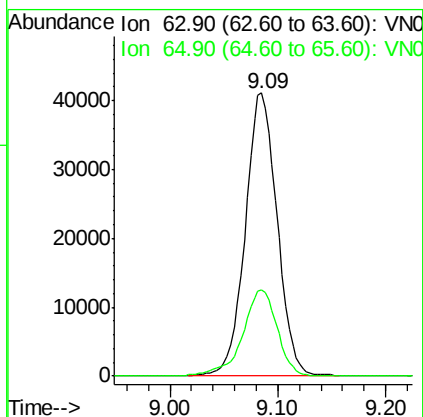
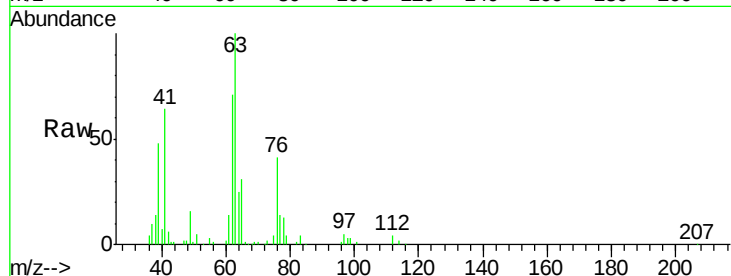
65 30.6 24.7 37.1

Manual Integrations

APPROVED

MMDadoda

5/4/2020 2:58:03 PM



#46

Dibromomethane

Concen: 52.287 ug/l

RT: 9.18 min Scan# 2359

Delta R.T. 0.00 min

Lab File: VN061243.D

Acq: 1 May 2020 20:09

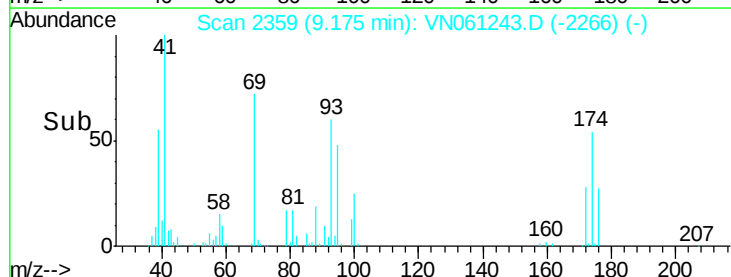
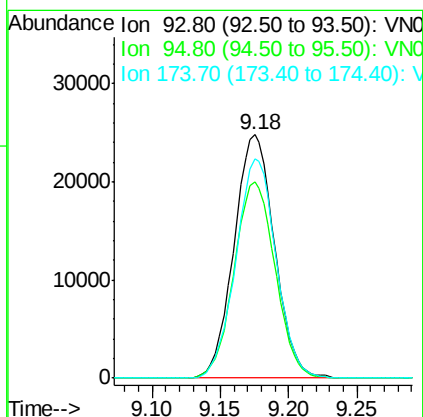
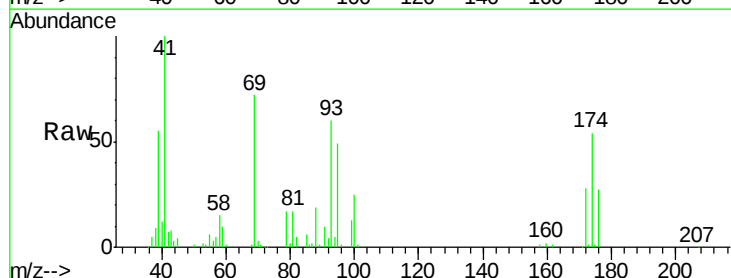
Tgt Ion: 93 Resp: 51072

Ion Ratio Lower Upper

93 100

95 81.7 66.6 99.8

174 89.6 70.2 105.2





#47

Bromodichloromethane

Concen: 52.368 ug/l

RT: 9.37 min Scan# 2420

Delta R.T. 0.00 min

Lab File: VN061243.D

Acq: 1 May 2020 20:09

Instrument :

MSVOA_N

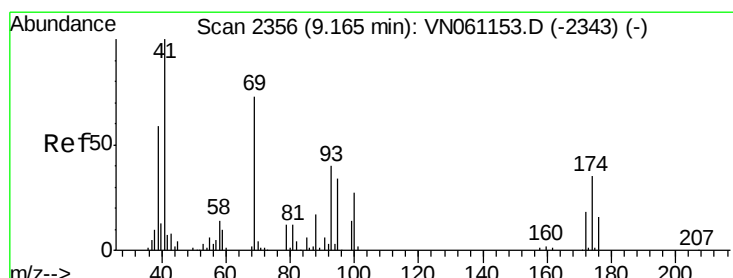
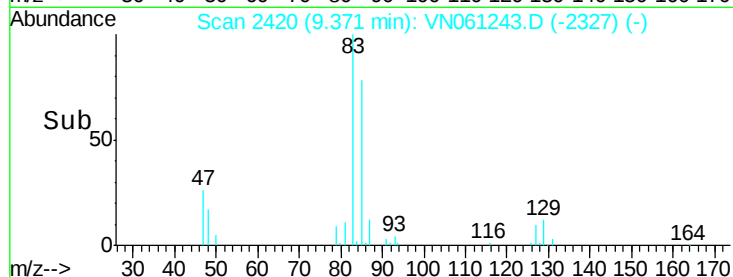
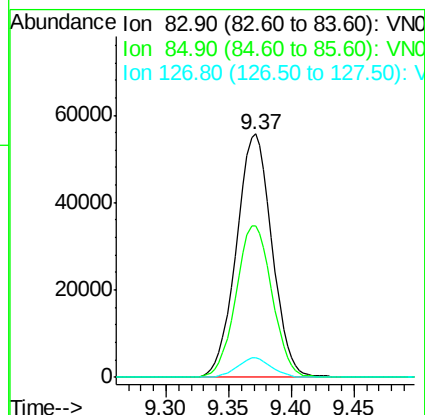
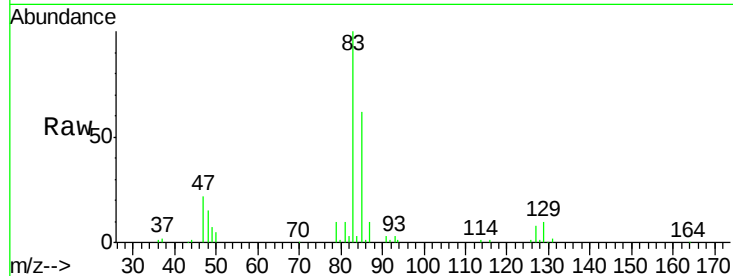
ClientSampleId :

BP-VPB180-GW-803-805MSD

Tot Ion:	83	Resp:	109791
Ion Ratio	Lower	Upper	
83	100		
85	62.3	50.4	75.6
127	8.1	6.2	9.2

Manual Integrations
APPROVED

MMDadoda
5/4/2020 2:58:03 PM



#48

Methyl methacrylate

Concen: 54.339 ug/l

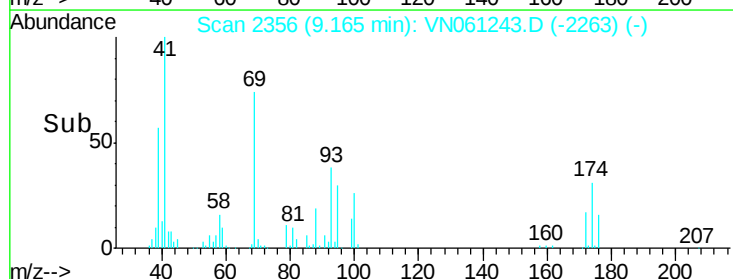
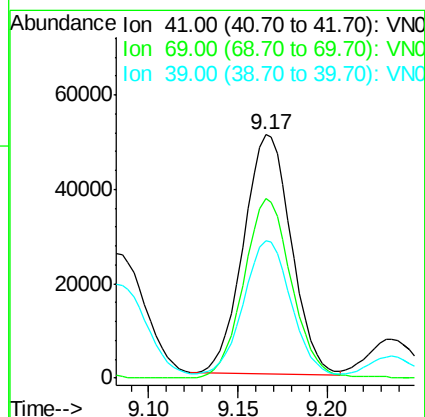
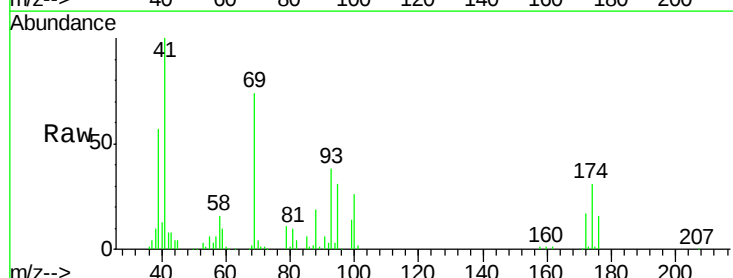
RT: 9.17 min Scan# 2356

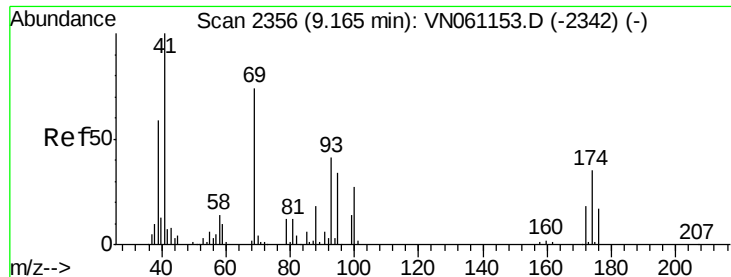
Delta R.T. 0.00 min

Lab File: VN061243.D

Acq: 1 May 2020 20:09

Tgt Ion:	41	Resp:	94557
Ion Ratio	Lower	Upper	
41	100		
69	75.6	60.3	90.5
39	58.8	47.4	71.0





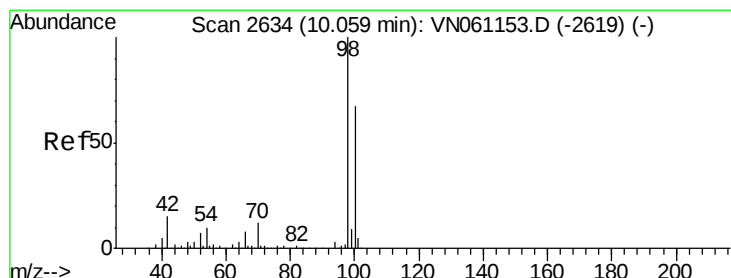
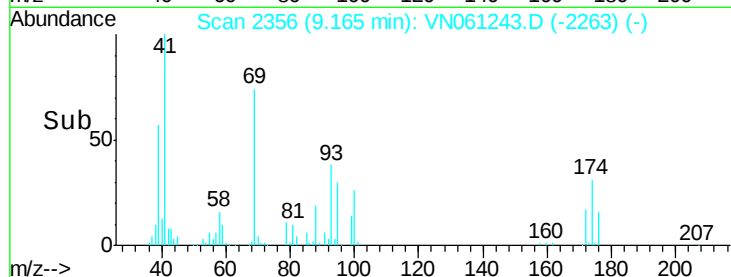
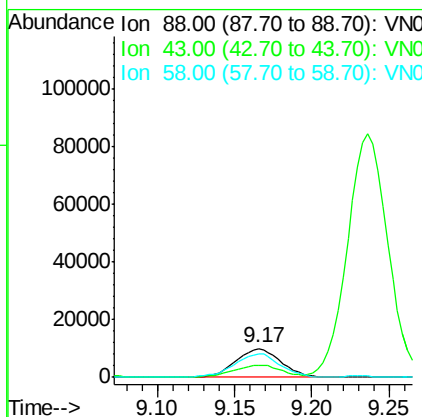
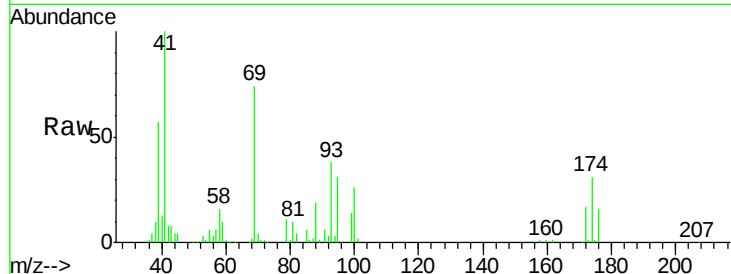
#49
1,4-Dioxane
Concen: 1016.323 ug/l
RT: 9.17 min Scan# 2356
Delta R.T. 0.00 min
Lab File: VN061243.D
Acq: 1 May 2020 20:09

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB180-GW-803-805MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	47.3	35.3	52.9
58	84.2	61.5	92.3

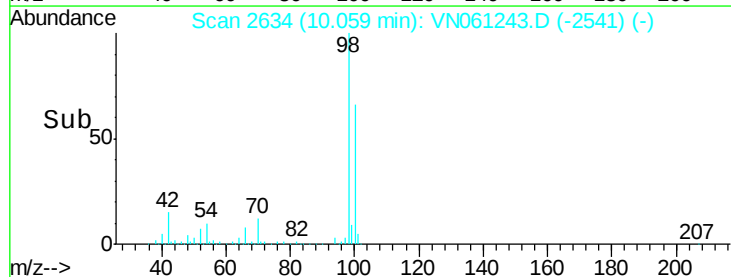
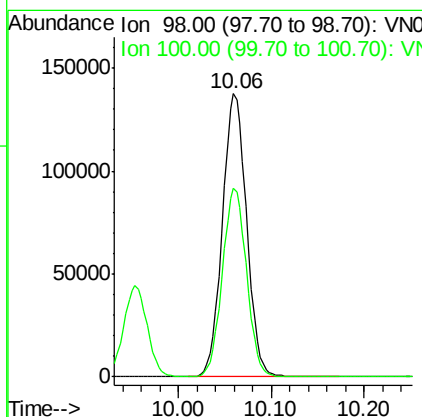
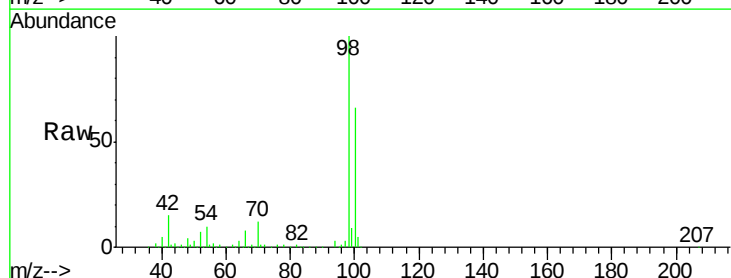
Manual Integrations
APPROVED

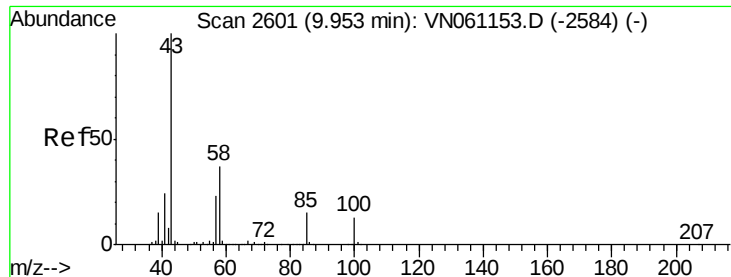
MMDadoda
5/4/2020 2:58:03 PM



#50
Toluene-d8
Concen: 52.156 ug/l
RT: 10.06 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VN061243.D
Acq: 1 May 2020 20:09

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.4	80.0





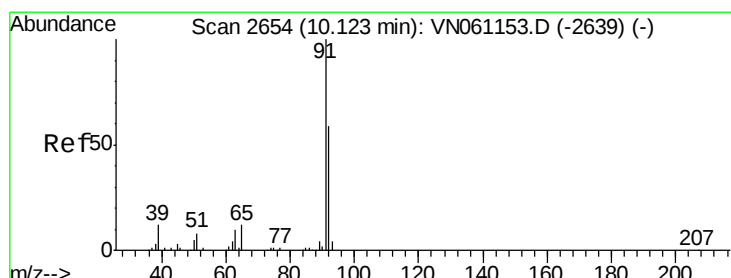
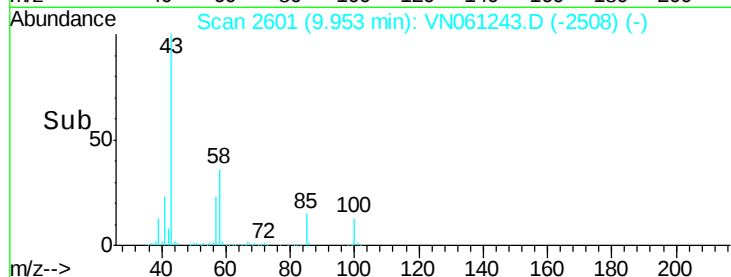
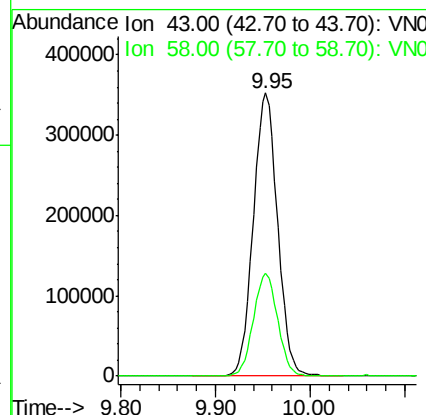
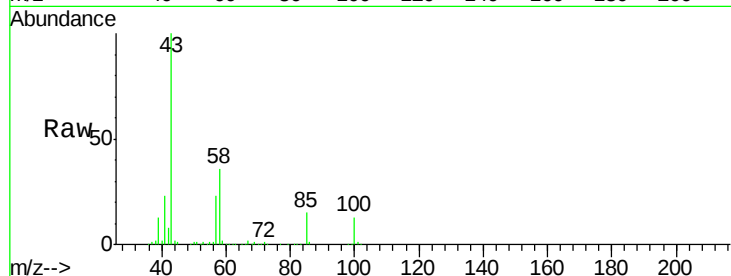
#51
4-Methyl-2-Pentanone
Concen: 277.097 ug/l
RT: 9.95 min Scan# 2601
Delta R.T. 0.00 min
Lab File: VN061243.D
Acq: 1 May 2020 20:09

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB180-GW-803-805MSD

Tot Ion	Ratio	Lower	Upper
43	100		
58	36.3	29.1	43.7

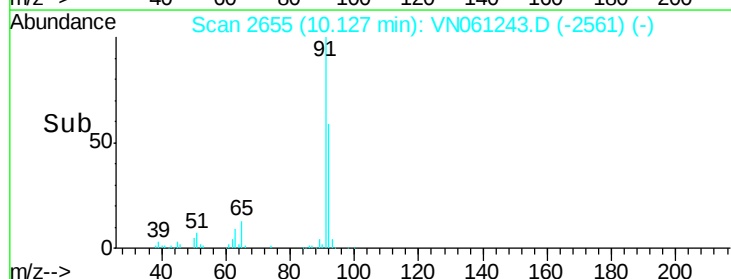
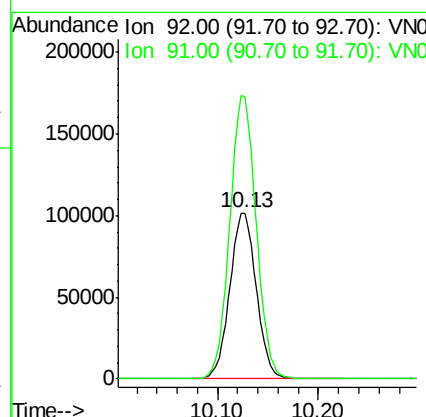
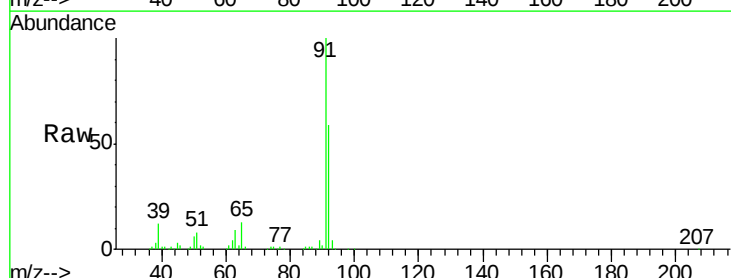
Manual Integrations
APPROVED

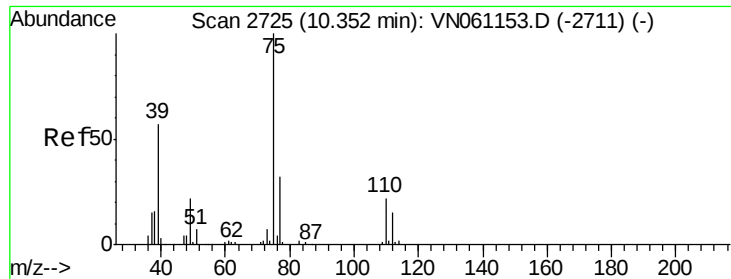
MMDadoda
5/4/2020 2:58:03 PM



#52
Toluene
Concen: 52.460 ug/l
RT: 10.13 min Scan# 2655
Delta R.T. 0.00 min
Lab File: VN061243.D
Acq: 1 May 2020 20:09

Tgt Ion	Ratio	Lower	Upper
92	100		
91	170.2	136.2	204.2





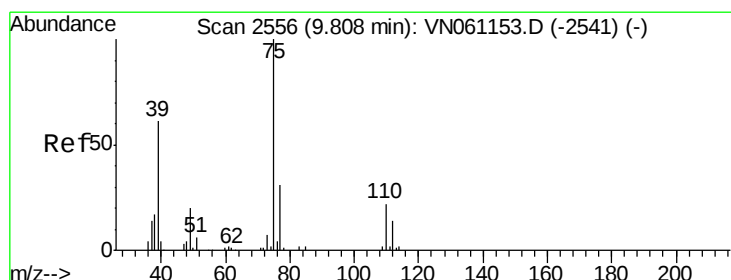
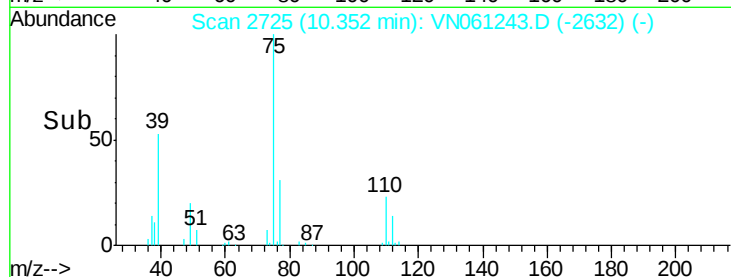
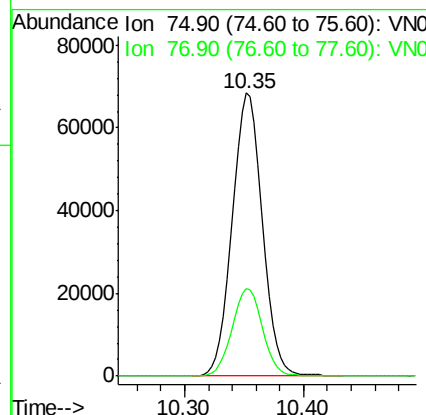
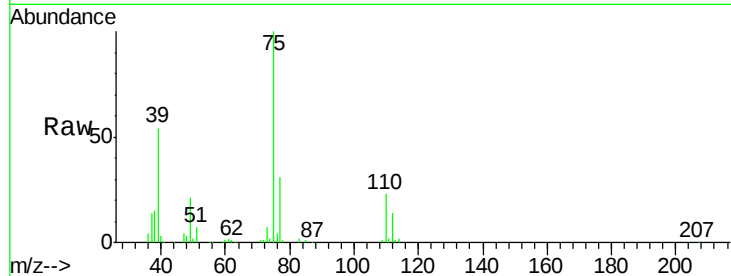
#53
t-1,3-Dichloropropene
Concen: 50.846 ug/l
RT: 10.35 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VN061243.D
Acq: 1 May 2020 20:09

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB180-GW-803-805MSD

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.5	38.3

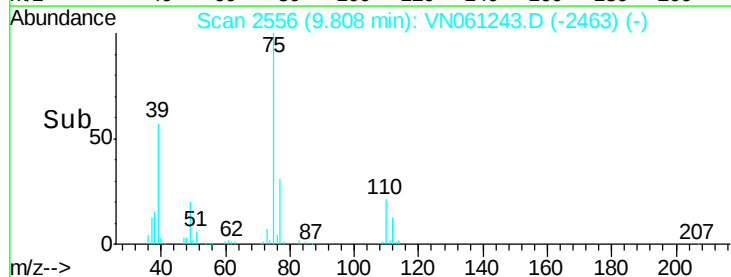
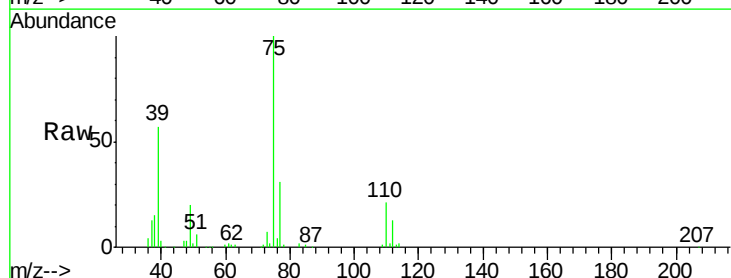
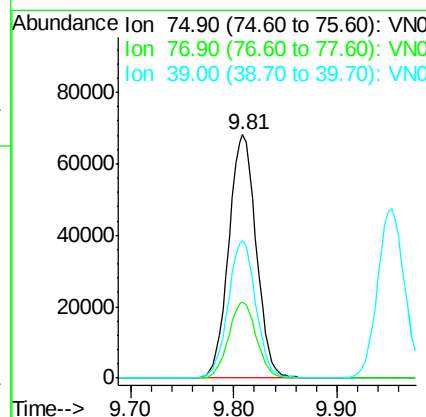
Manual Integrations
APPROVED

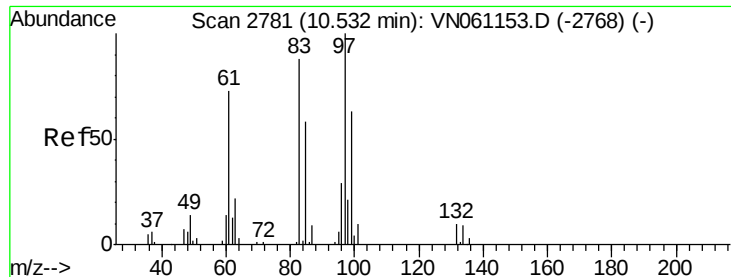
MMDadoda
5/4/2020 2:58:03 PM



#54
cis-1,3-Dichloropropene
Concen: 50.733 ug/l
RT: 9.81 min Scan# 2556
Delta R.T. 0.00 min
Lab File: VN061243.D
Acq: 1 May 2020 20:09

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.0	37.4
39	56.6	48.7	73.1





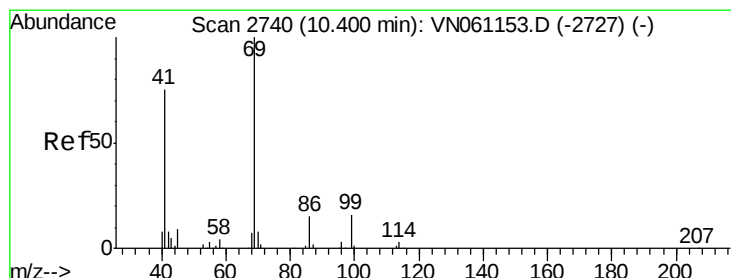
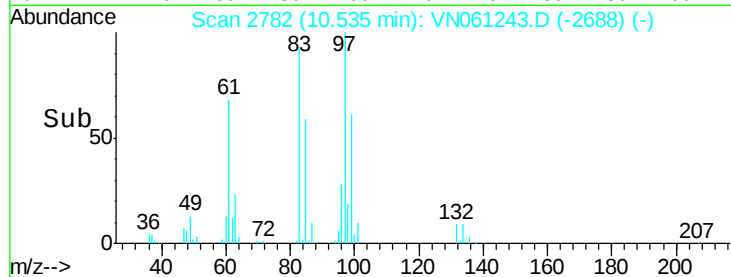
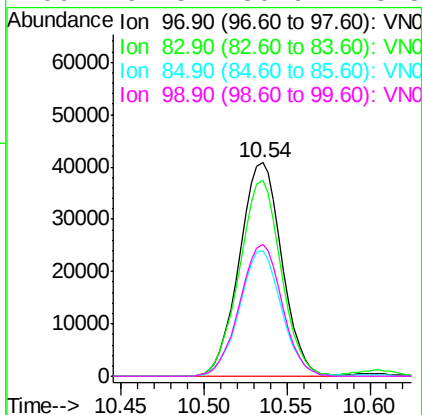
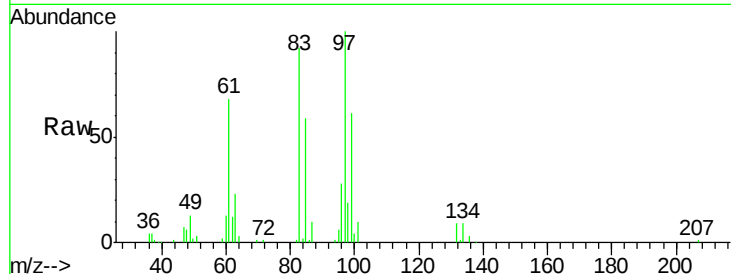
#55
 1,1,2-Trichloroethane
 Concen: 51.588 ug/l
 RT: 10.54 min Scan# 2782
 Delta R.T. 0.00 min
 Lab File: VN061243.D
 Acq: 1 May 2020 20:09

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB180-GW-803-805MSD

Tot Ion:	97	Resp:	73186
Ion	Ratio	Lower	Upper
97	100		
83	91.7	70.6	106.0
85	58.6	46.4	69.6
99	61.5	50.6	75.8

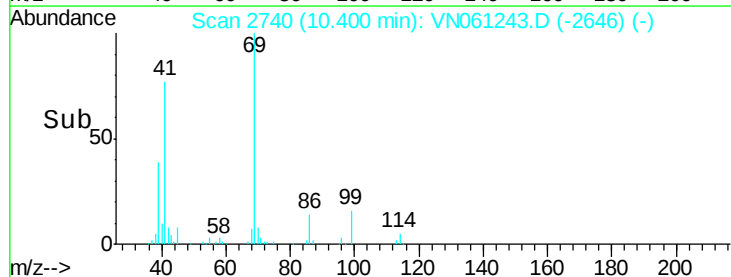
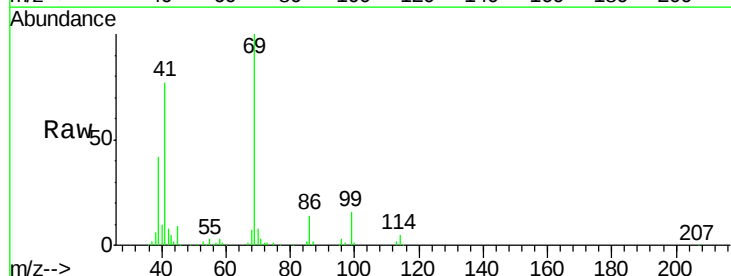
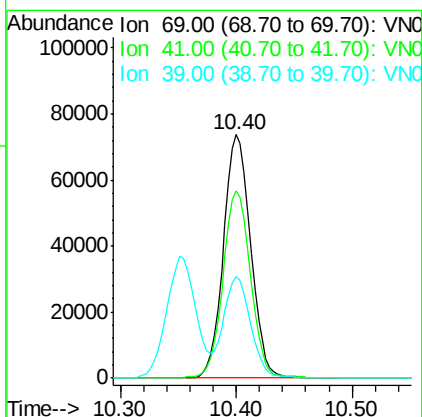
Manual Integrations
 APPROVED

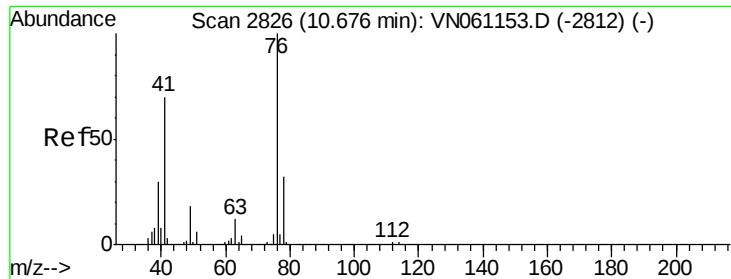
MMDadoda
 5/4/2020 2:58:03 PM



#56
 Ethyl methacrylate
 Concen: 48.700 ug/l
 RT: 10.40 min Scan# 2740
 Delta R.T. 0.00 min
 Lab File: VN061243.D
 Acq: 1 May 2020 20:09

Tgt Ion:	69	Resp:	120208
Ion	Ratio	Lower	Upper
69	100		
41	76.9	60.3	90.5
39	41.5	35.9	53.9





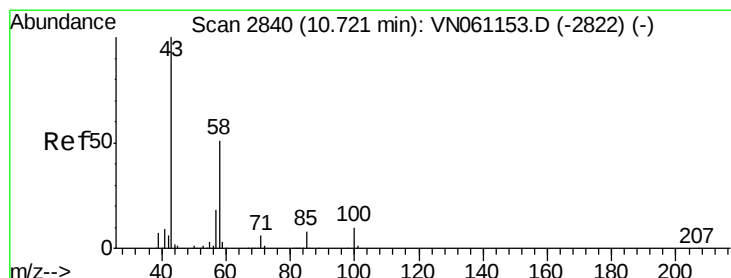
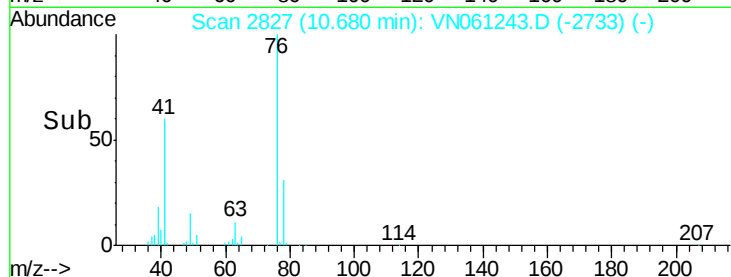
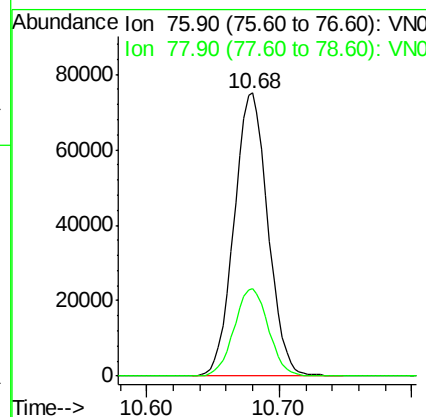
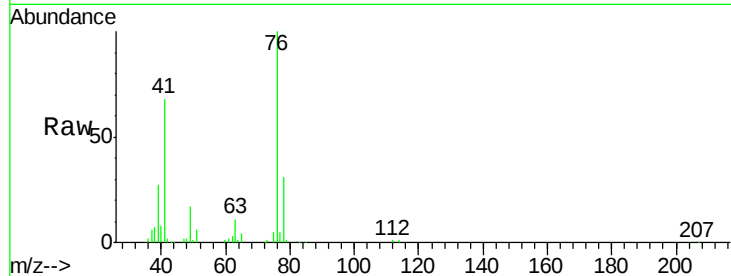
#57
 1,3-Dichloropropane
 Concen: 53.257 ug/l
 RT: 10.68 min Scan# 2827
 Delta R.T. 0.00 min
 Lab File: VN061243.D
 Acq: 1 May 2020 20:09

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB180-GW-803-805MSD

Tot Ion: 76 Resp: 132804
 Ion Ratio Lower Upper
 76 100
 78 31.4 25.5 38.3

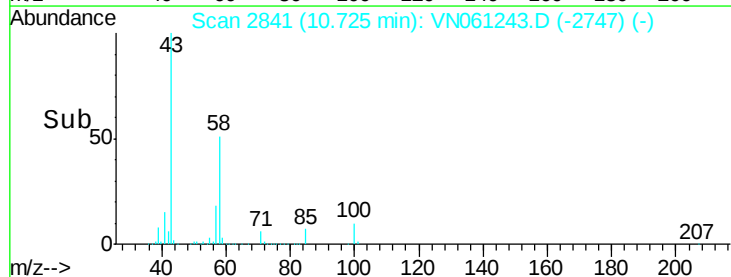
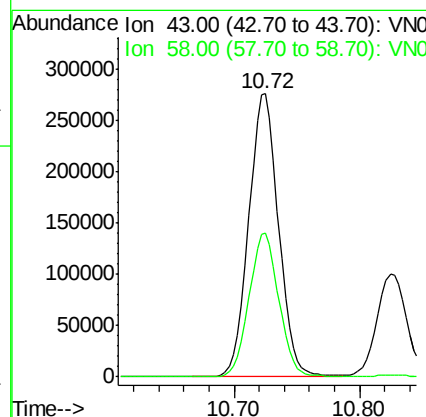
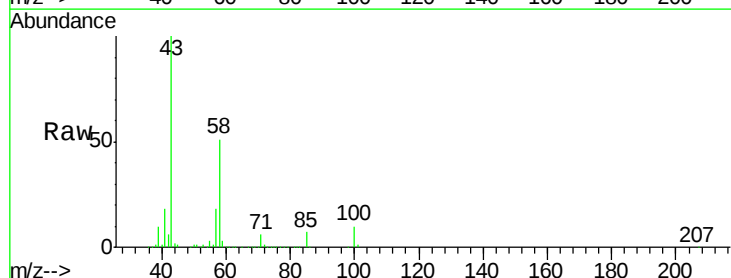
Manual Integrations
 APPROVED

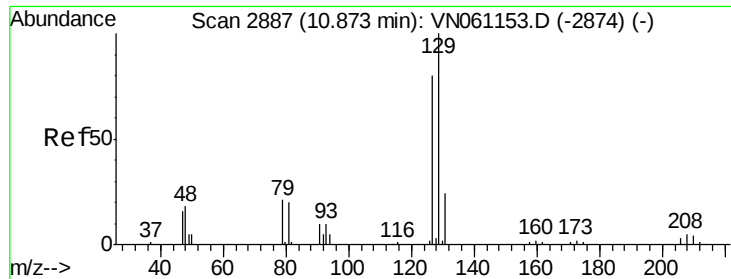
MMDadoda
 5/4/2020 2:58:03 PM



#59
 2-Hexanone
 Concen: 277.315 ug/l
 RT: 10.72 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VN061243.D
 Acq: 1 May 2020 20:09

Tgt Ion: 43 Resp: 457943
 Ion Ratio Lower Upper
 43 100
 58 50.8 25.4 76.4





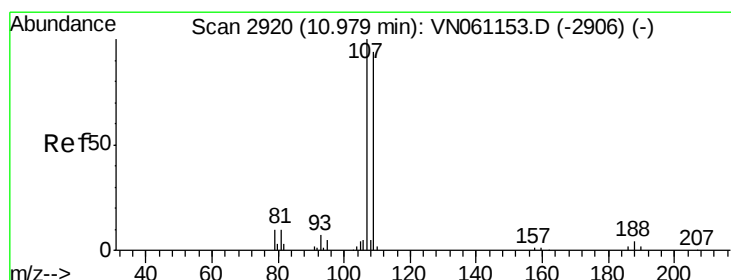
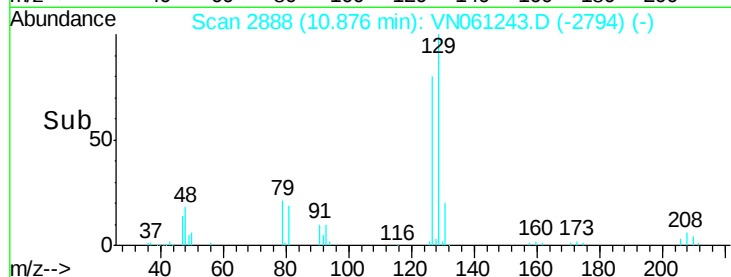
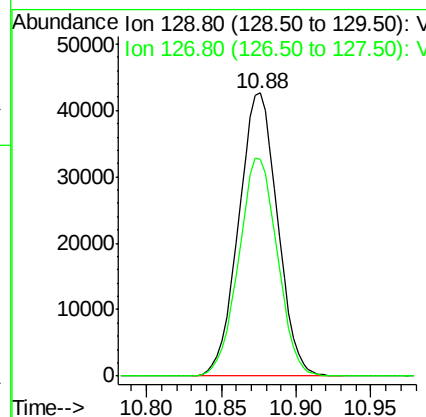
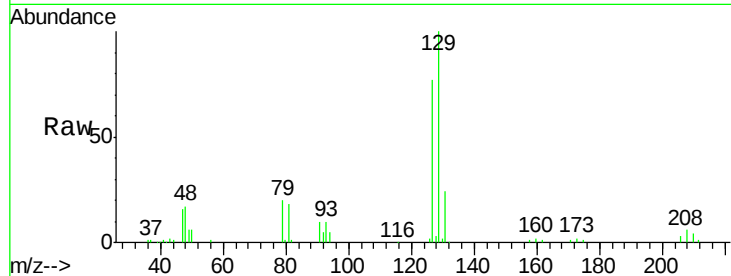
#60
 Dibromochloromethane
 Concen: 51.828 ug/l
 RT: 10.88 min Scan# 2888
 Delta R.T. 0.00 min
 Lab File: VN061243.D
 Acq: 1 May 2020 20:09

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB180-GW-803-805MSD

Tot Ion:129 Resp: 77007
 Ion Ratio Lower Upper
 129 100
 127 76.7 39.3 117.8

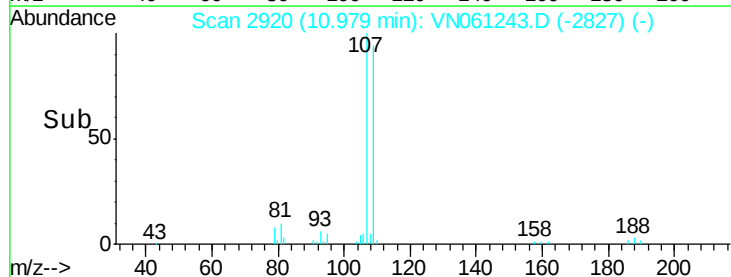
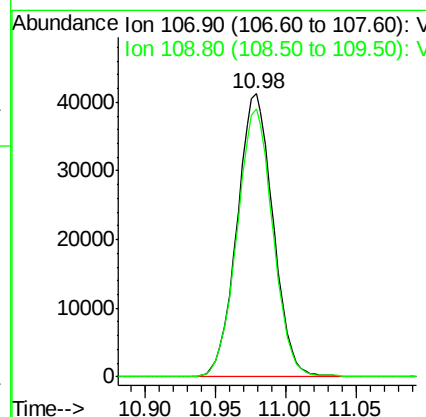
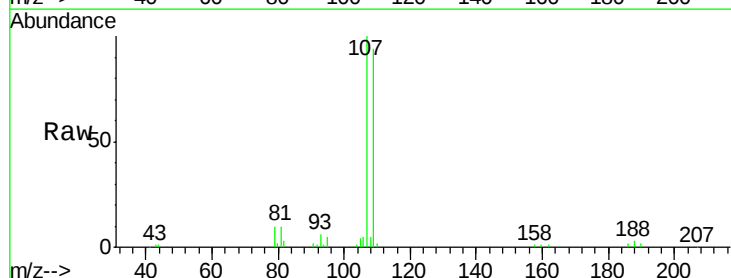
Manual Integrations
 APPROVED

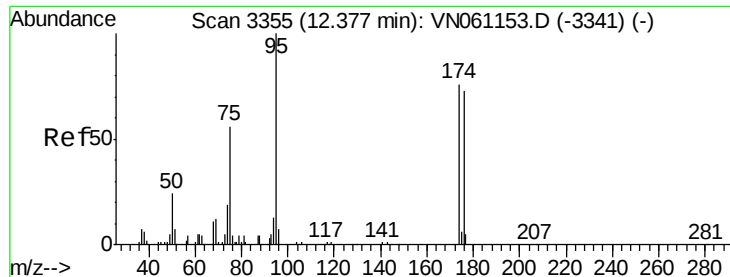
MMDadoda
 5/4/2020 2:58:03 PM



#61
 1,2-Dibromoethane
 Concen: 51.839 ug/l
 RT: 10.98 min Scan# 2920
 Delta R.T. 0.00 min
 Lab File: VN061243.D
 Acq: 1 May 2020 20:09

Tgt Ion:107 Resp: 73711
 Ion Ratio Lower Upper
 107 100
 109 94.2 74.8 112.2





#62

4-Bromofluorobenzene

Concen: 51.761 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN061243.D

Acq: 1 May 2020 20:09

Instrument :

MSVOA_N

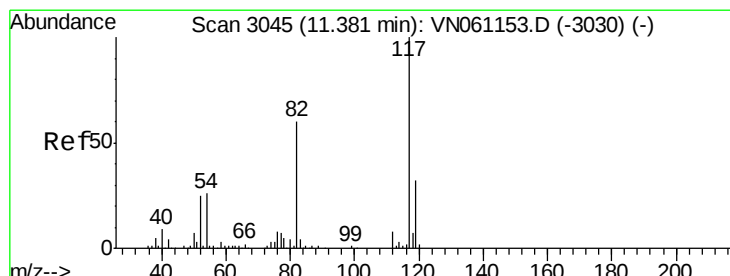
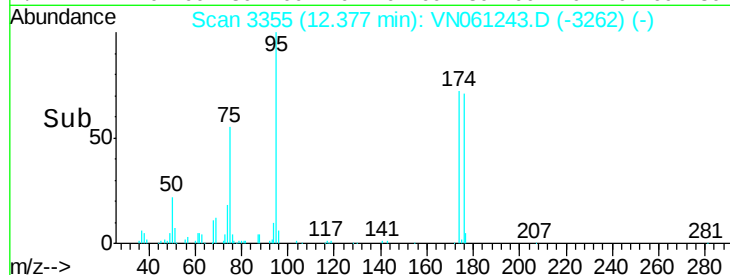
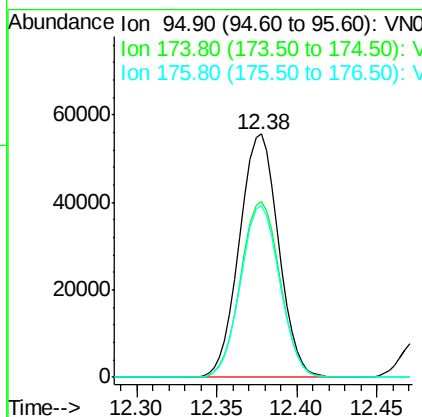
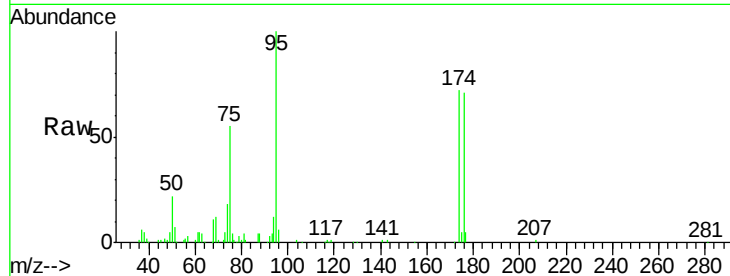
ClientSampleId :

BP-VPB180-GW-803-805MSD

Tot Ion:	95	Resp:	92965
Ion Ratio	Lower	Upper	
95	100		
174	72.7	0.0	149.4
176	70.5	0.0	144.8

Manual Integrations
APPROVED

MMDadoda
5/4/2020 2:58:03 PM



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

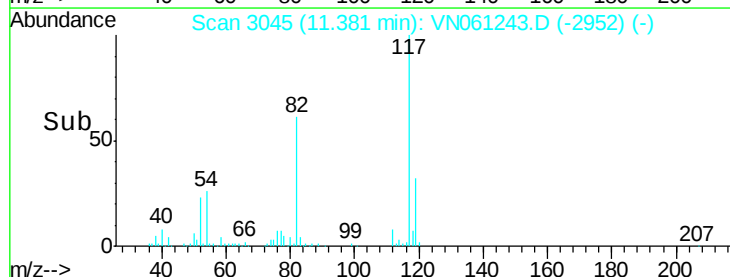
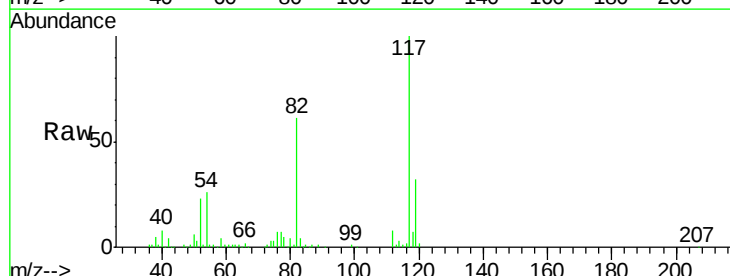
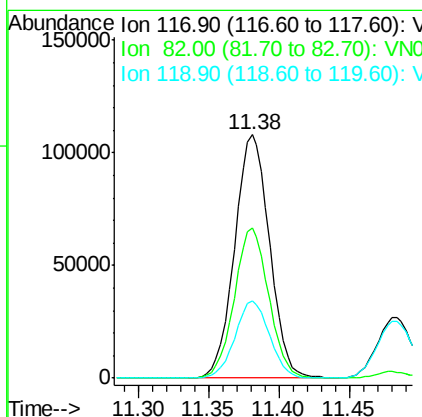
RT: 11.38 min Scan# 3045

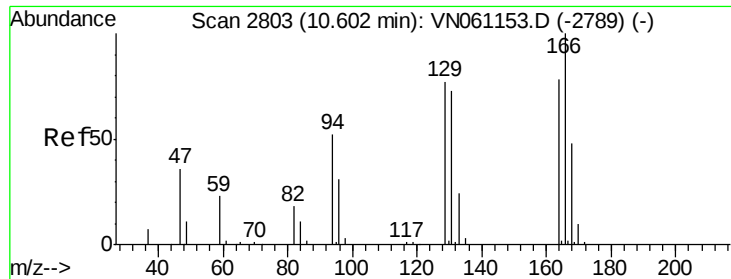
Delta R.T. 0.00 min

Lab File: VN061243.D

Acq: 1 May 2020 20:09

Tgt Ion:	117	Resp:	187467
Ion Ratio	Lower	Upper	
117	100		
82	61.4	47.8	71.8
119	31.7	25.8	38.6





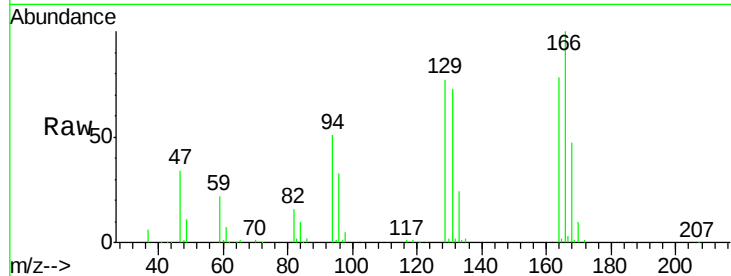
#64
Tetrachloroethene
Concen: 46.198 ug/l
RT: 10.60 min Scan# 2803
Delta R.T. 0.00 min
Lab File: VN061243.D
Acq: 1 May 2020 20:09

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB180-GW-803-805MSD

Tot Ion	Ratio	Lower	Upper
164	100		
166	129.0	102.0	153.0
129	98.9	78.2	117.2
131	94.1	74.5	111.7

Manual Integrations
APPROVED

MMDadoda
5/4/2020 2:58:03 PM



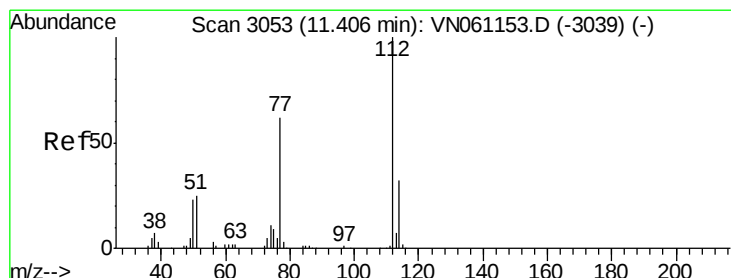
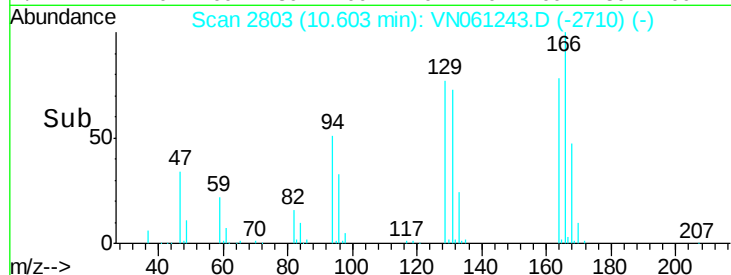
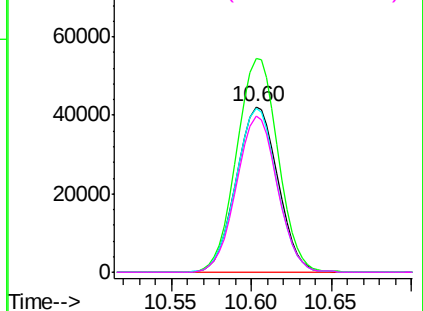
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

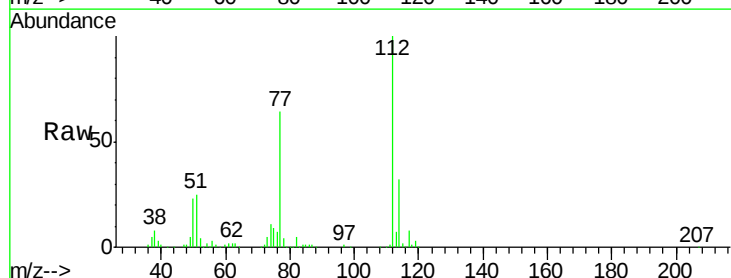
Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65
Chlorobenzene
Concen: 50.897 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. 0.00 min
Lab File: VN061243.D
Acq: 1 May 2020 20:09

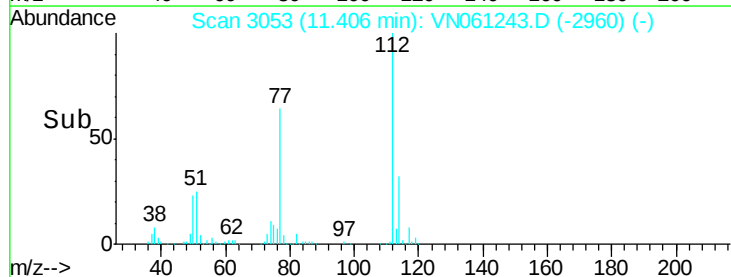
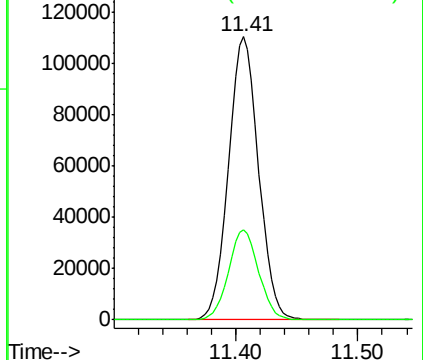
Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.4	38.2

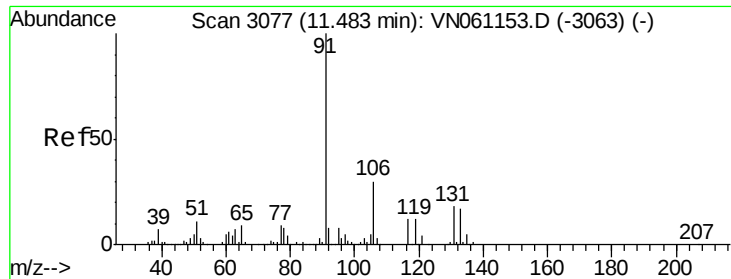


Abundance

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: 51.632 ug/l

RT: 11.48 min Scan# 3077

Delta R.T. 0.00 min

Lab File: VN061243.D

Acq: 1 May 2020 20:09

Instrument :

MSVOA_N

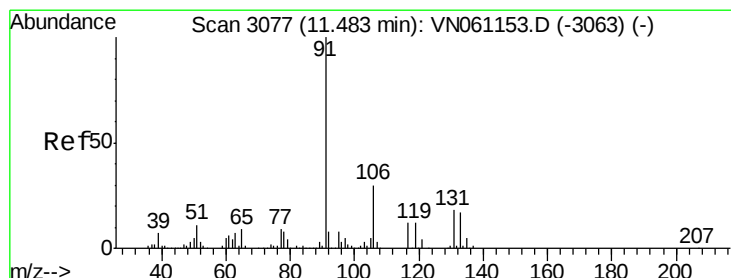
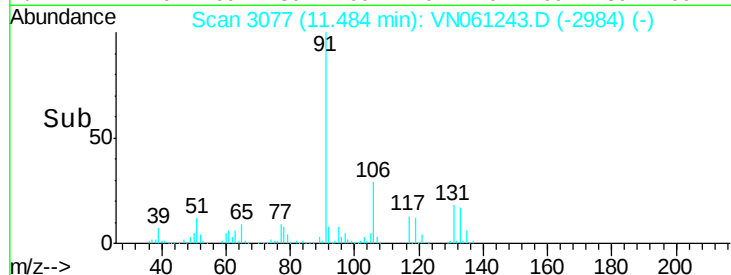
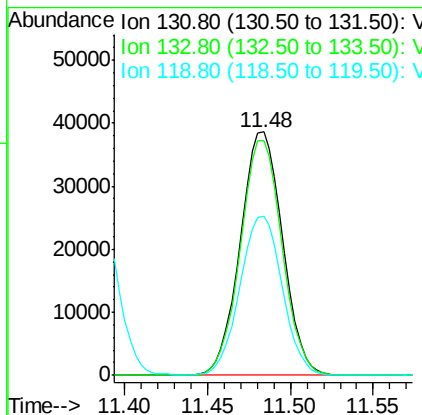
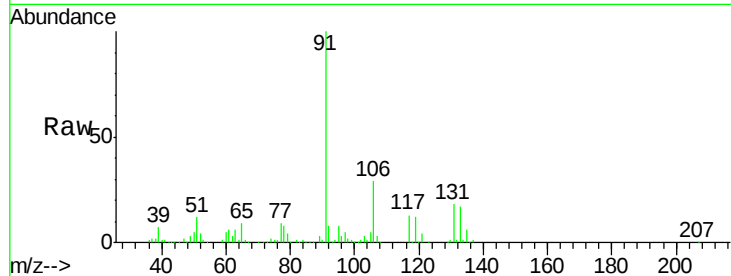
ClientSampleId :

BP-VPB180-GW-803-805MSD

Tot Ion	Ratio	Resp	Lower	Upper
131	100	68721		
133	95.0	48.0	144.2	
119	65.5	32.6	97.8	

Manual Integrations
APPROVED

MMDadoda
5/4/2020 2:58:03 PM



#67

Ethyl Benzene

Concen: 51.827 ug/l

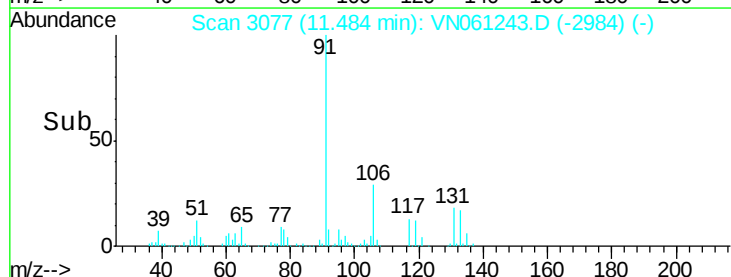
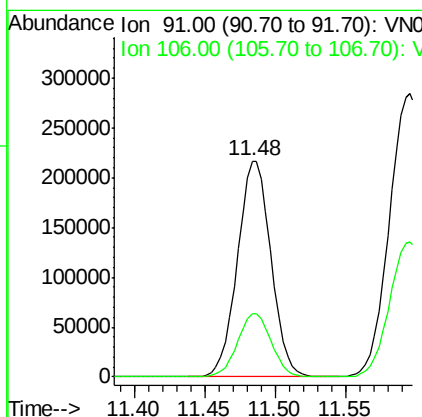
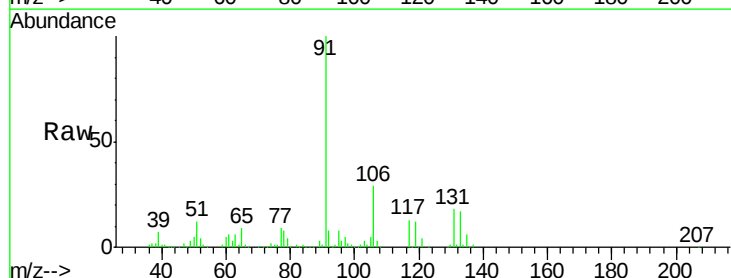
RT: 11.48 min Scan# 3077

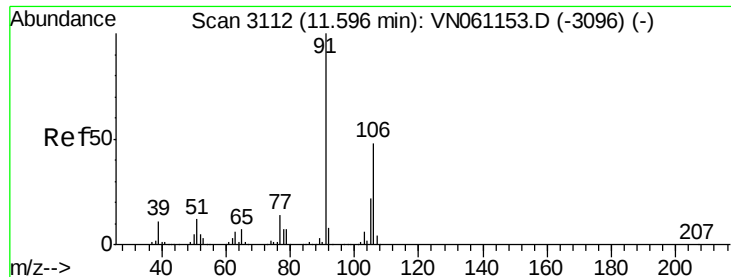
Delta R.T. 0.00 min

Lab File: VN061243.D

Acq: 1 May 2020 20:09

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	360787		
106	29.5	23.8	35.6	





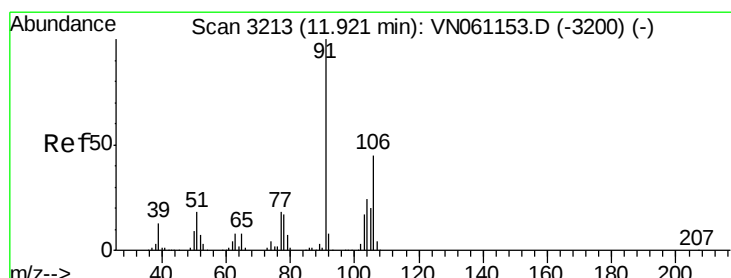
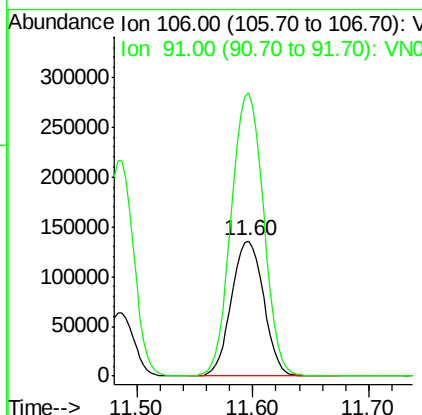
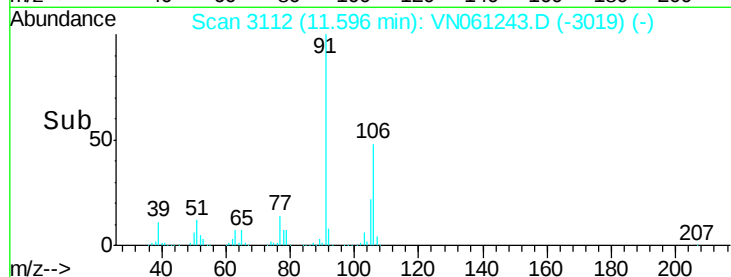
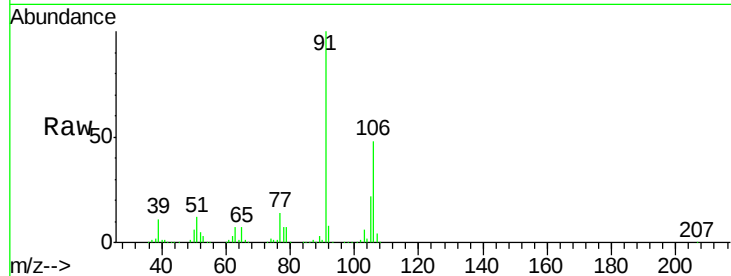
#68
m/p-Xvlenes
Concen: 103.115 ug/l
RT: 11.60 min Scan# 3112
Delta R.T. 0.00 min
Lab File: VN061243.D
Acq: 1 May 2020 20:09

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB180-GW-803-805MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	262746		
91	91	209.9	166.4	249.6	

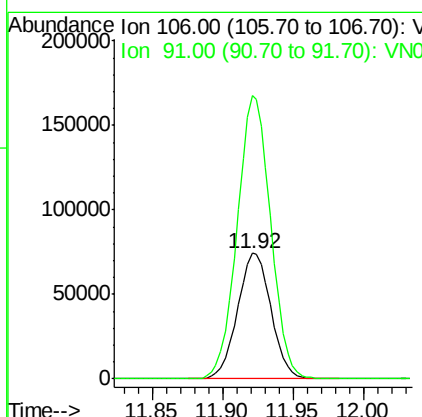
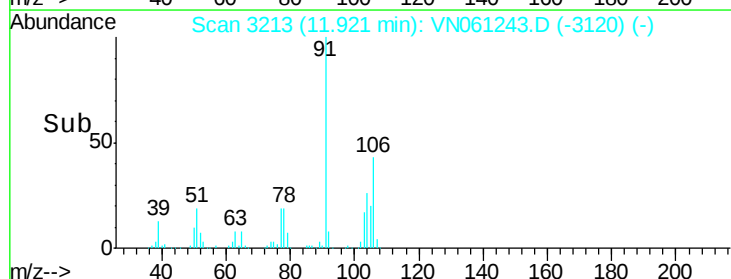
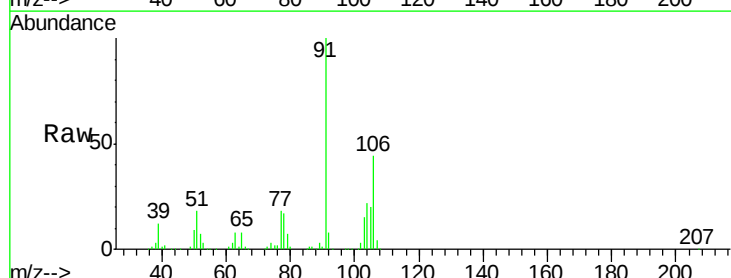
Manual Integrations
APPROVED

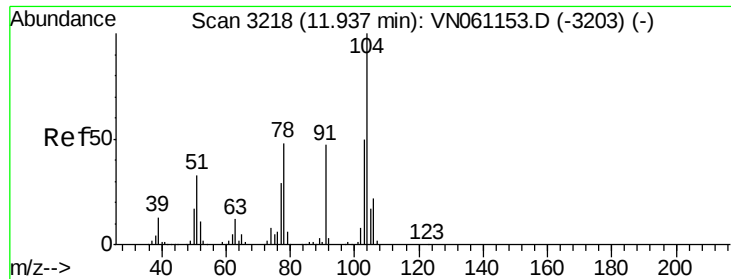
MMDadoda
5/4/2020 2:58:03 PM



#69
o-Xylene
Concen: 50.525 ug/l
RT: 11.92 min Scan# 3213
Delta R.T. 0.00 min
Lab File: VN061243.D
Acq: 1 May 2020 20:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	123665		
91	91	224.8	109.7	329.0	





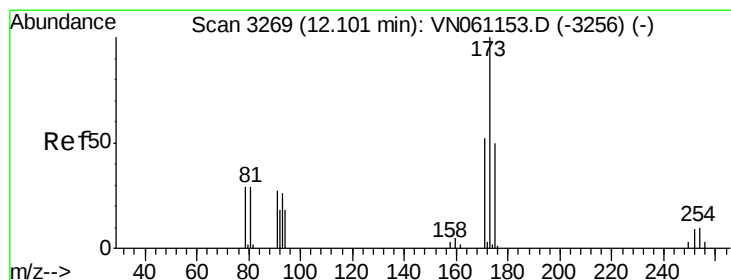
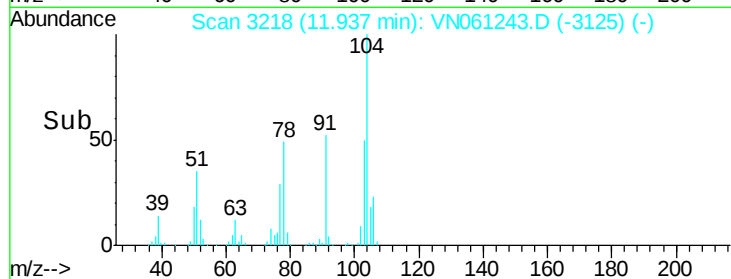
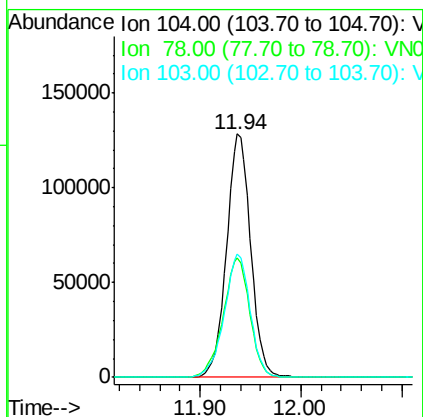
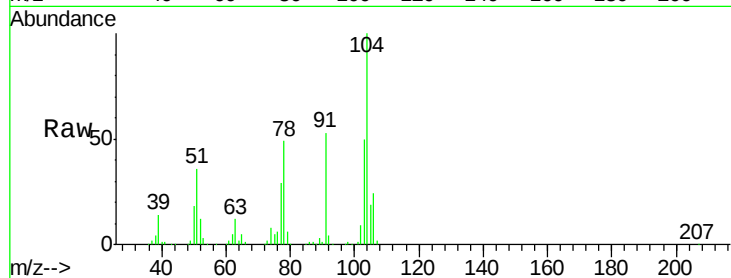
#70
Stvrene
Concen: 52.330 ug/l
RT: 11.94 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN061243.D
Acq: 1 May 2020 20:09

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB180-GW-803-805MSD

Tot Ion	Ratio	Resp	Lower	Upper
104	100	214373		
78	54.0		42.1	63.1
103	54.2		43.3	64.9

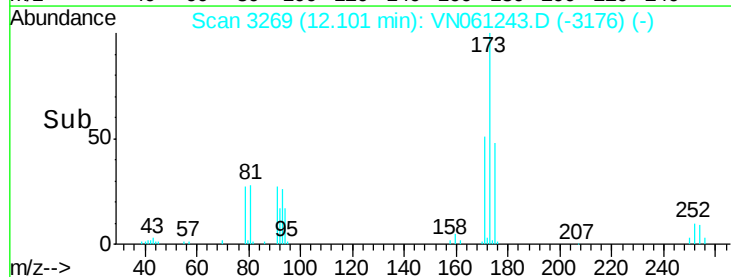
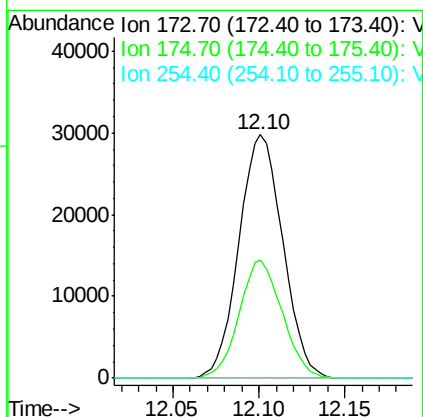
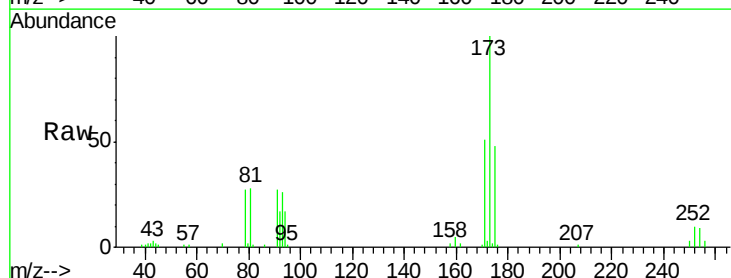
Manual Integrations
APPROVED

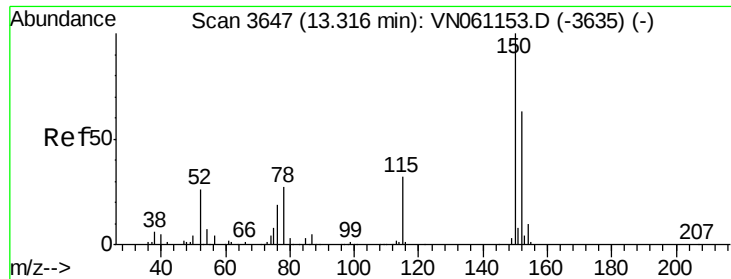
MMDadoda
5/4/2020 2:58:03 PM



#71
Bromoform
Concen: 53.906 ug/l
RT: 12.10 min Scan# 3269
Delta R.T. 0.00 min
Lab File: VN061243.D
Acq: 1 May 2020 20:09

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	52730		
175	47.4		24.1	72.4
254	0.0		0.0	0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3648

Delta R.T. 0.00 min

Lab File: VN061243.D

Acq: 1 May 2020 20:09

Instrument :

MSVOA_N

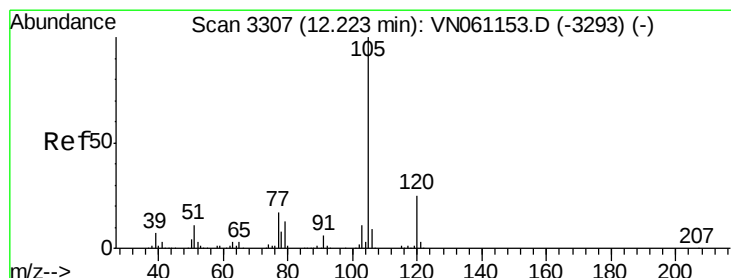
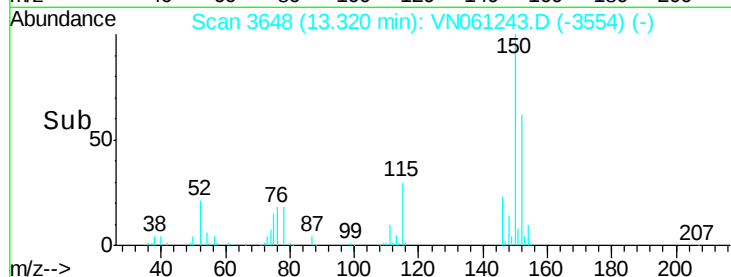
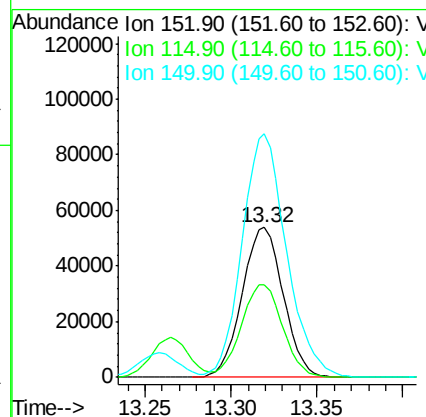
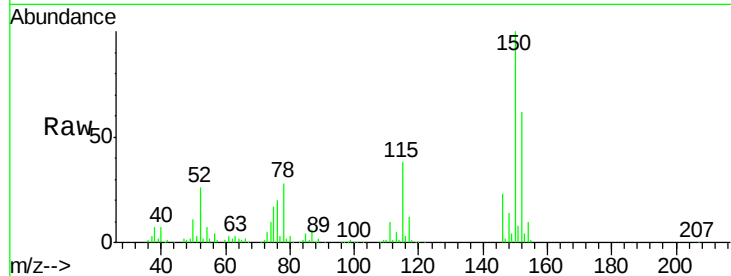
ClientSampleId :

BP-VPB180-GW-803-805MSD

Tot Ion:	152	Resp:	89512
Ion Ratio	Lower	Upper	
152	100		
115	62.3	31.0	93.0
150	175.0	0.0	351.8

Manual Integrations
APPROVED

MMDadoda
5/4/2020 2:58:03 PM



#73

Isopropylbenzene

Concen: 51.749 ug/l

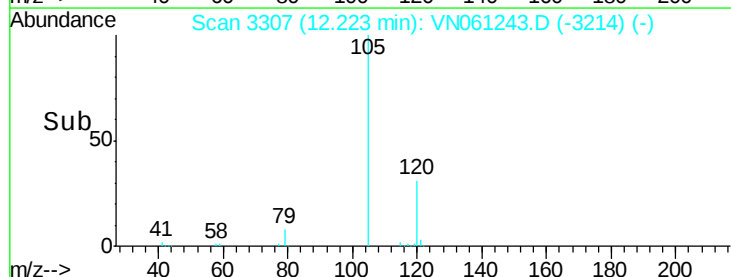
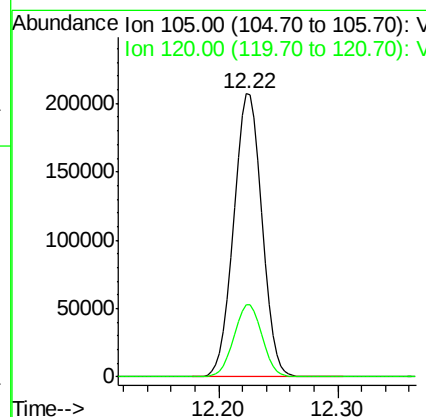
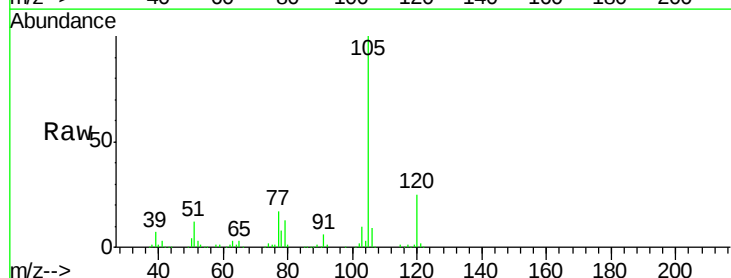
RT: 12.22 min Scan# 3307

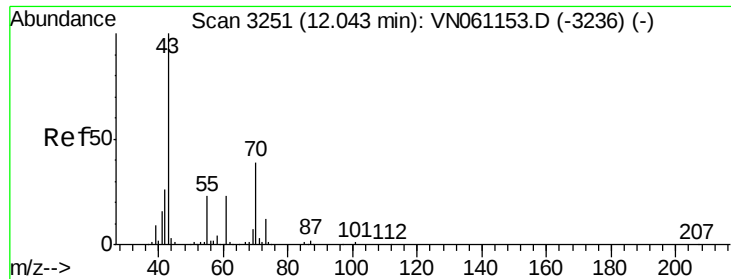
Delta R.T. 0.00 min

Lab File: VN061243.D

Acq: 1 May 2020 20:09

Tgt Ion:	105	Resp:	340534
Ion Ratio	Lower	Upper	
105	100		
120	25.5	12.6	37.8





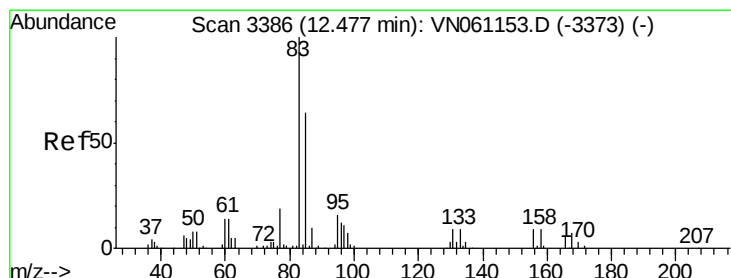
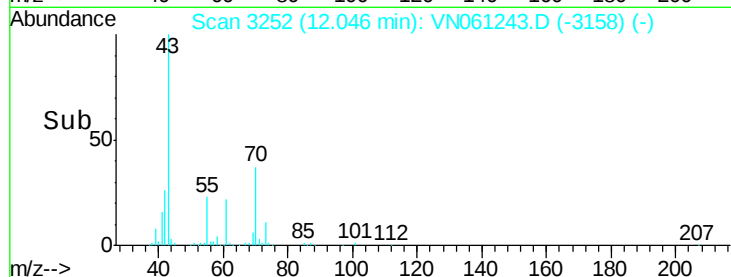
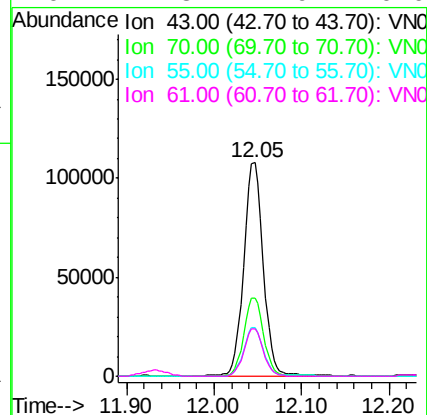
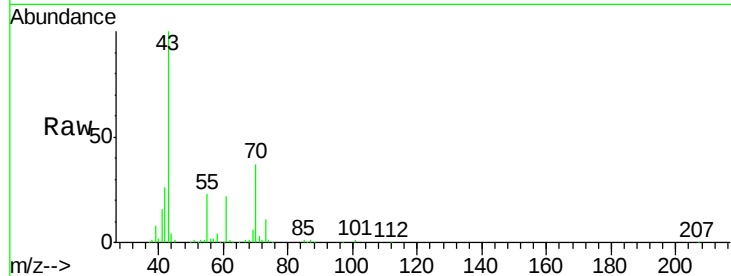
#74
N-amvl acetate
Concen: 50.445 ug/l
RT: 12.05 min Scan# 3252
Delta R.T. 0.00 min
Lab File: VN061243.D
Acq: 1 May 2020 20:09

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB180-GW-803-805MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		168094		
70	36.8	30.6	46.0		
55	23.1	18.5	27.7		
61	21.8	17.9	26.9		

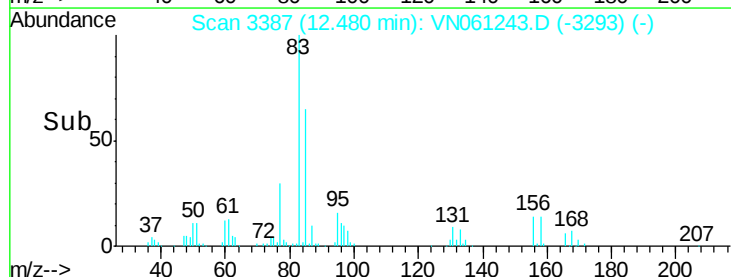
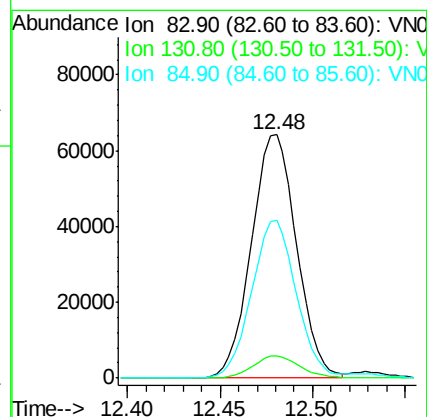
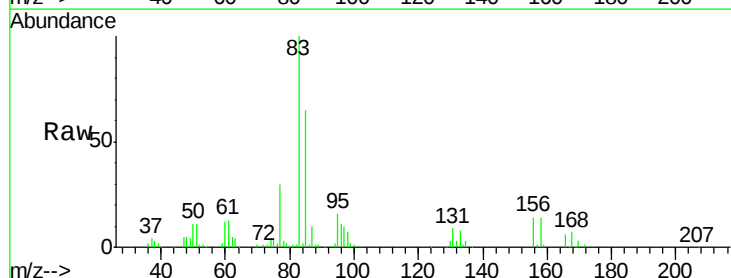
Manual Integrations
APPROVED

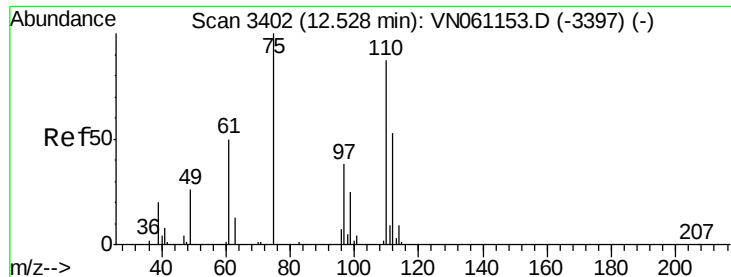
MMDadoda
5/4/2020 2:58:03 PM



#75
1,1,2,2-Tetrachloroethane
Concen: 53.309 ug/l
RT: 12.48 min Scan# 3387
Delta R.T. 0.00 min
Lab File: VN061243.D
Acq: 1 May 2020 20:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		109383		
131	9.4	4.8	14.3		
85	64.0	32.0	96.0		





#76

1,2,3-Trichloropropane

Concen: 52.343 ug/l m

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN061243.D

Acq: 1 May 2020 20:09

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB180-GW-803-805MSD

Tot Ion: 75 Resp: 98779

Ion Ratio Lower Upper

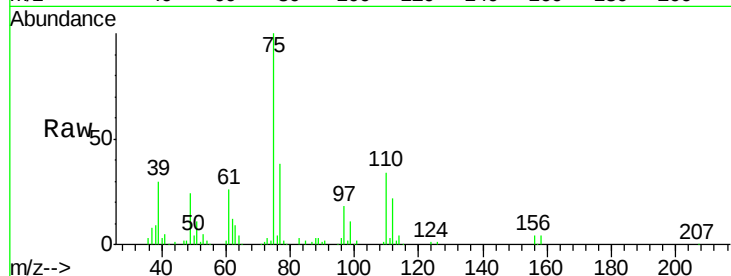
75 100

77 0.0 0.0 0.0

Manual Integrations
APPROVED

MMDadoda

5/4/2020 2:58:03 PM



Abundance Ion 74.90 (74.60 to 75.60): VN061153.D (-3397) (-)

Ion 77.00 (76.70 to 77.70): VN061153.D (-3397) (-)

100000

80000

60000

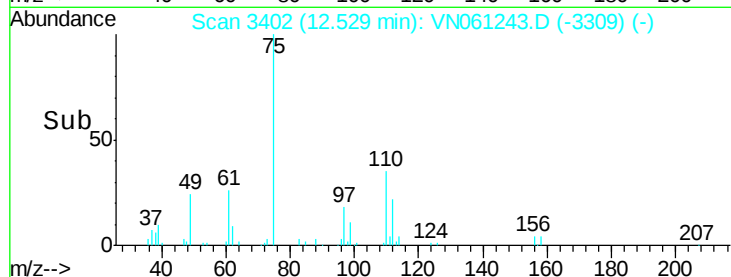
40000

20000

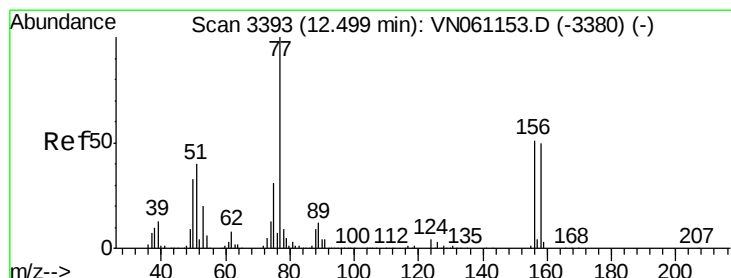
0

12.50

12.55



Time-->



#77

Bromobenzene

Concen: 51.142 ug/l

RT: 12.50 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN061243.D

Acq: 1 May 2020 20:09

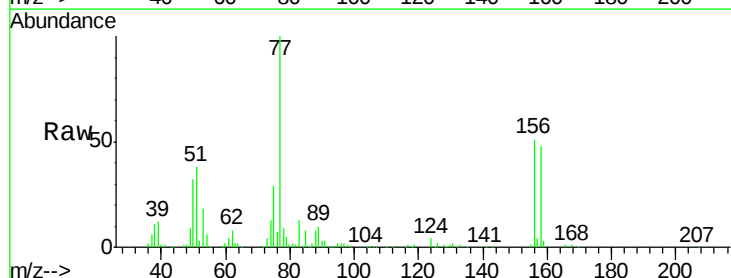
Tgt Ion: 156 Resp: 77687

Ion Ratio Lower Upper

156 100

77 242.0 117.4 352.2

158 96.9 48.4 145.0



Abundance Ion 155.80 (155.50 to 156.50): VN061153.D (-3380) (-)

Ion 77.00 (76.70 to 77.70): VN061153.D (-3380) (-)

Ion 157.80 (157.50 to 158.50): VN061153.D (-3380) (-)

120000

100000

80000

60000

40000

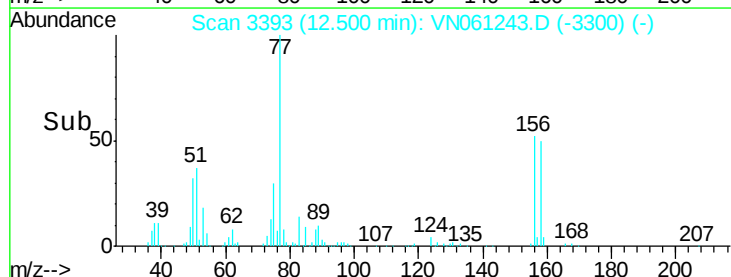
20000

0

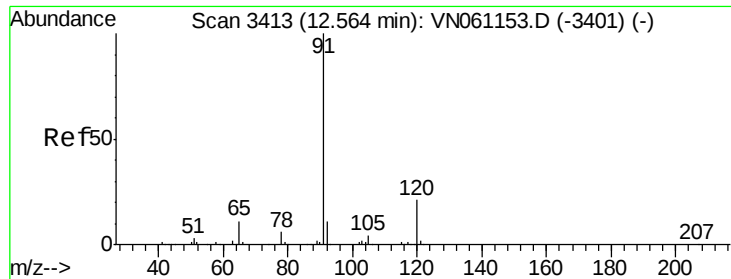
12.45

12.50

12.55



Time-->



#78

n-propylbenzene

Concen: 53.098 ug/l

RT: 12.57 min Scan# 3414

Delta R.T. 0.00 min

Lab File: VN061243.D

Acq: 1 May 2020 20:09

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB180-GW-803-805MSD

Tot Ion: 91 Resp: 414437

Ion Ratio Lower Upper

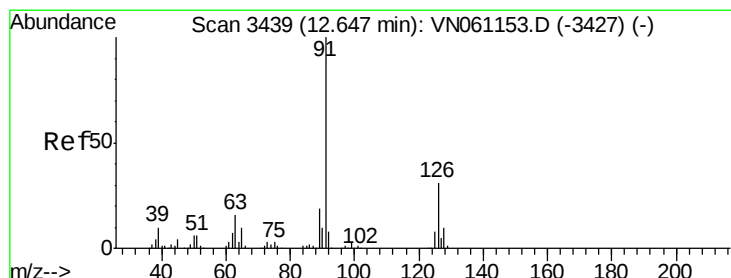
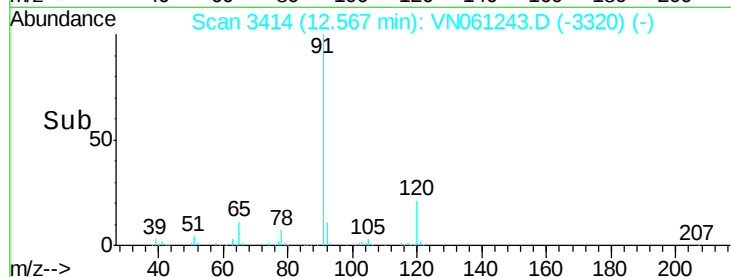
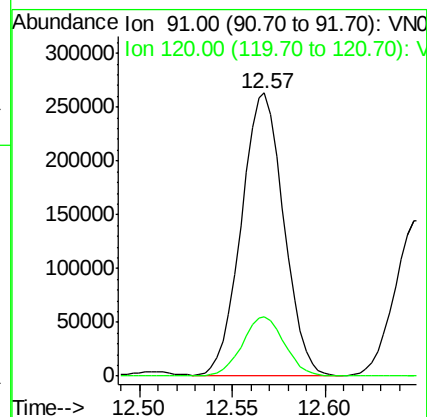
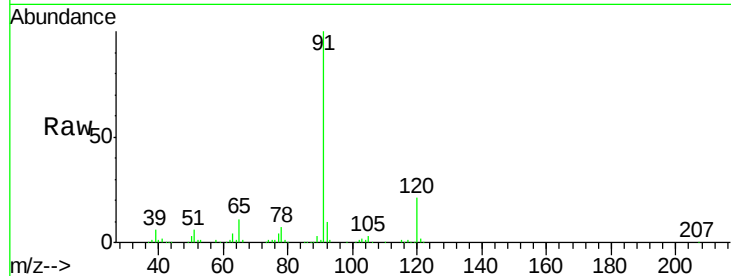
91 100

120 21.0 10.8 32.3

Manual Integrations
APPROVED

MMDadoda

5/4/2020 2:58:03 PM



#79

2-Chlorotoluene

Concen: 52.428 ug/l

RT: 12.65 min Scan# 3440

Delta R.T. 0.00 min

Lab File: VN061243.D

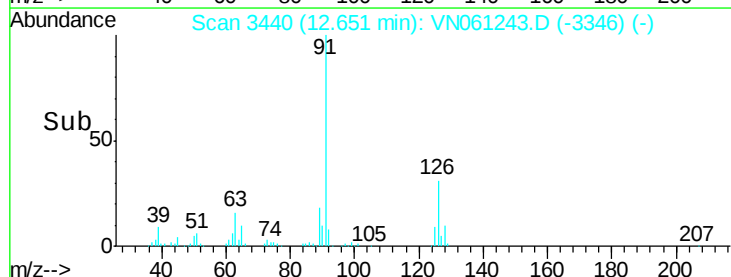
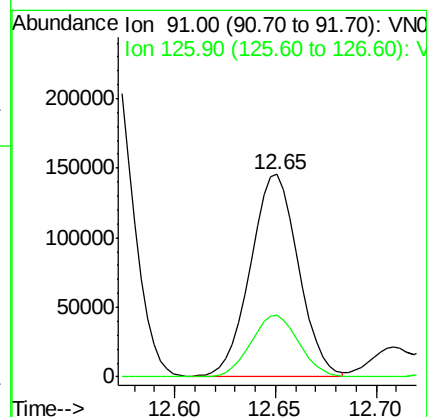
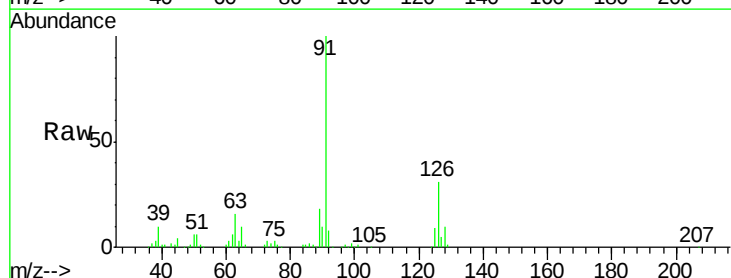
Acq: 1 May 2020 20:09

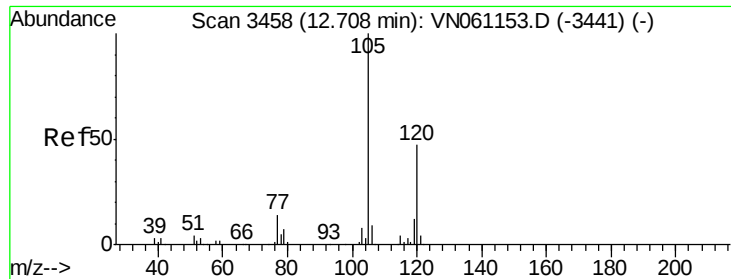
Tgt Ion: 91 Resp: 240524

Ion Ratio Lower Upper

91 100

126 30.8 15.9 47.7





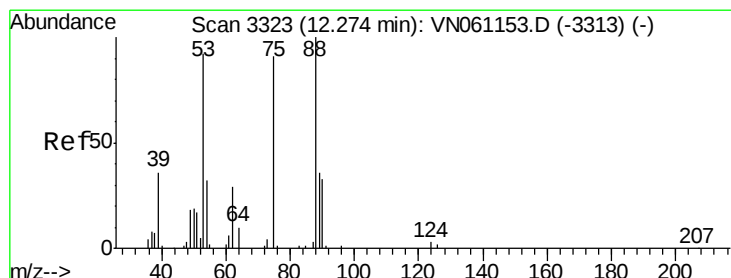
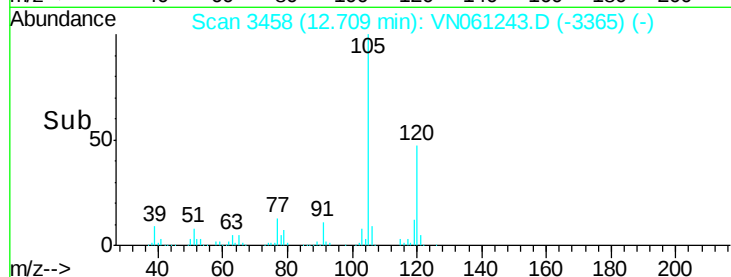
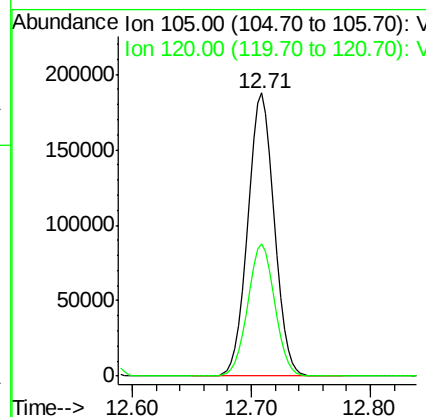
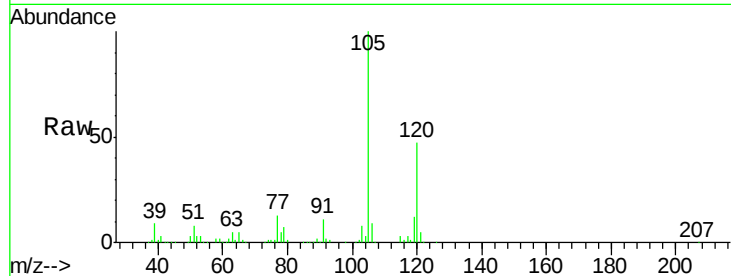
#80
 1,3,5-Trimethylbenzene
 Concen: 53.074 ug/l
 RT: 12.71 min Scan# 3458
 Delta R.T. 0.00 min
 Lab File: VN061243.D
 Acq: 1 May 2020 20:09

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB180-GW-803-805MSD

Tot Ion	Ratio	Lower	Upper
105	100		
120	47.5	23.9	71.7

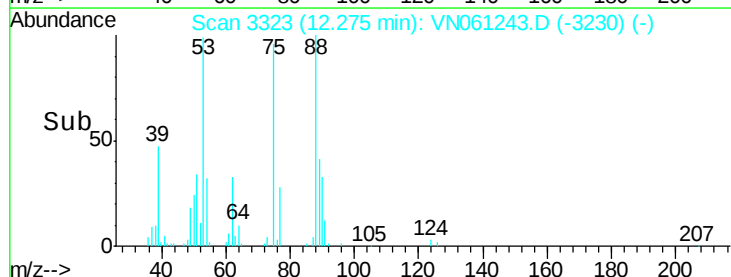
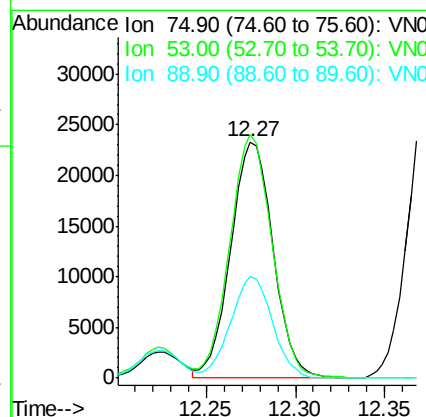
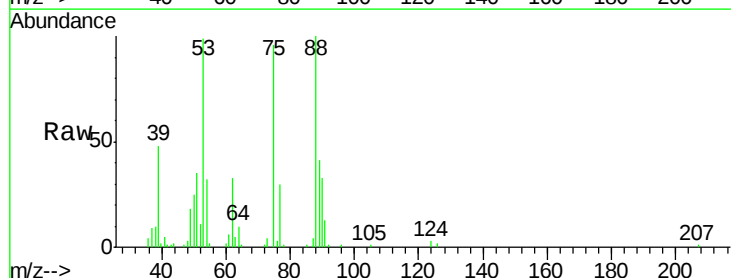
Manual Integrations
 APPROVED

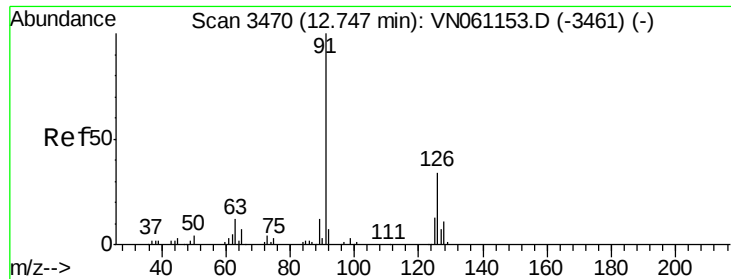
MMDadoda
 5/4/2020 2:58:03 PM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 51.950 ug/l
 RT: 12.27 min Scan# 3323
 Delta R.T. 0.00 min
 Lab File: VN061243.D
 Acq: 1 May 2020 20:09

Tgt Ion	Ratio	Lower	Upper
75	100		
53	103.1	84.1	126.1
89	42.4	35.2	52.8





#82

4-Chlorotoluene

Concen: 52.270 ug/l

RT: 12.75 min Scan# 3470

Delta R.T. 0.00 min

Lab File: VN061243.D

Acq: 1 May 2020 20:09

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB180-GW-803-805MSD

Tot Ion: 91 Resp: 252736

Ion Ratio Lower Upper

91 100

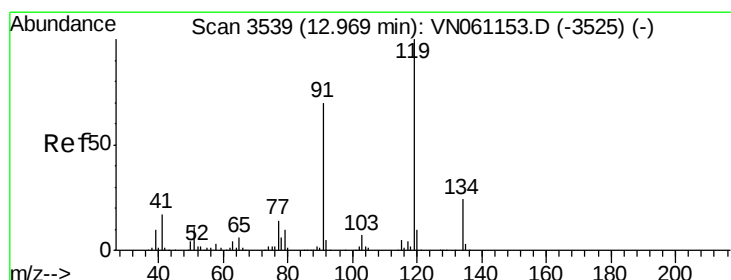
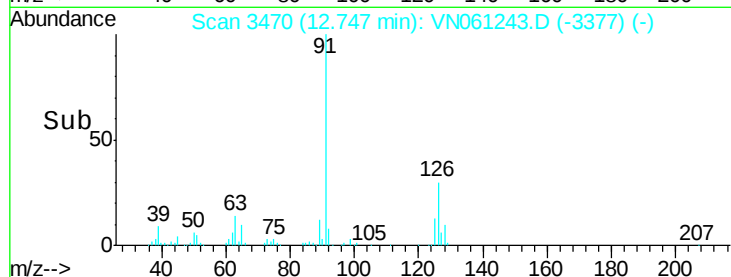
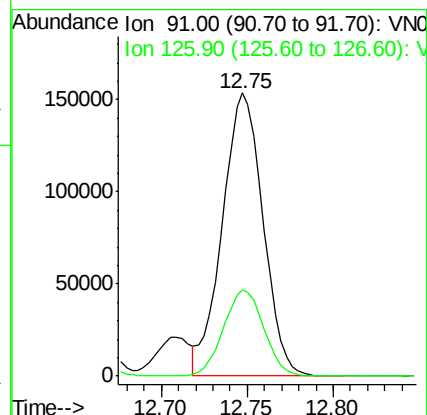
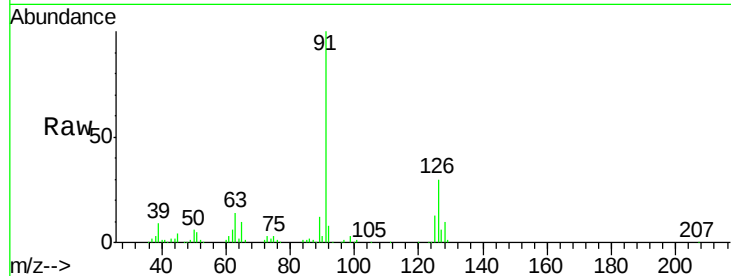
126 30.4 15.7 47.1

Manual Integrations

APPROVED

MMDadoda

5/4/2020 2:58:03 PM



#83

tert-Butylbenzene

Concen: 52.298 ug/l

RT: 12.97 min Scan# 3539

Delta R.T. 0.00 min

Lab File: VN061243.D

Acq: 1 May 2020 20:09

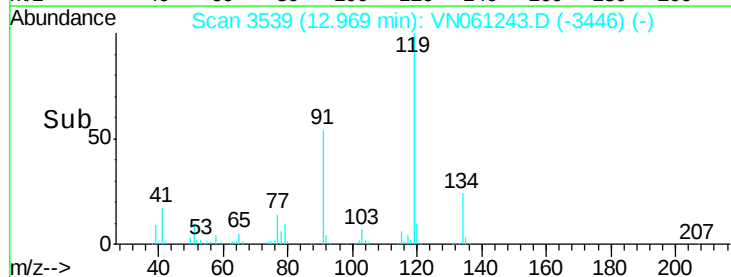
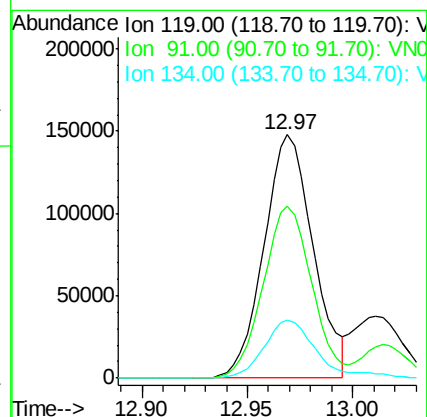
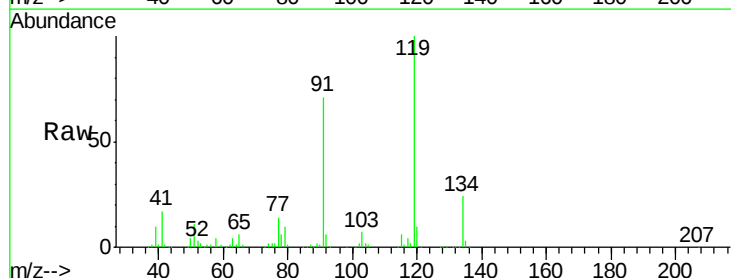
Tgt Ion: 119 Resp: 240176

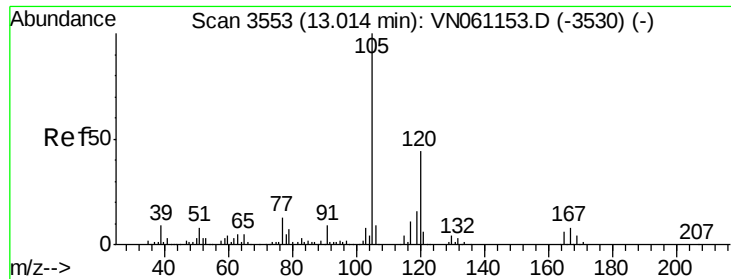
Ion Ratio Lower Upper

119 100

91 69.9 34.8 104.4

134 25.3 12.9 38.7





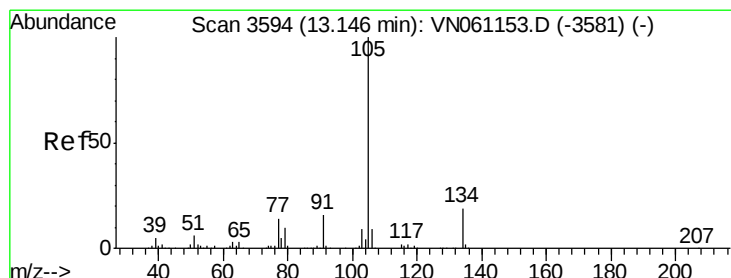
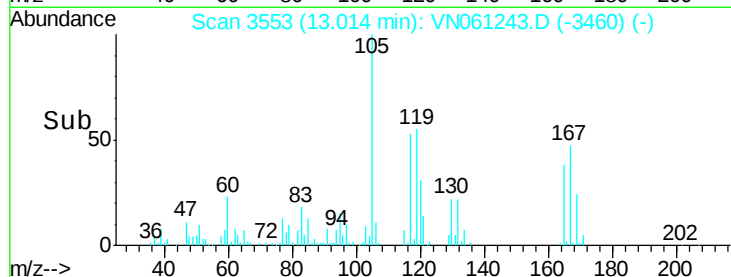
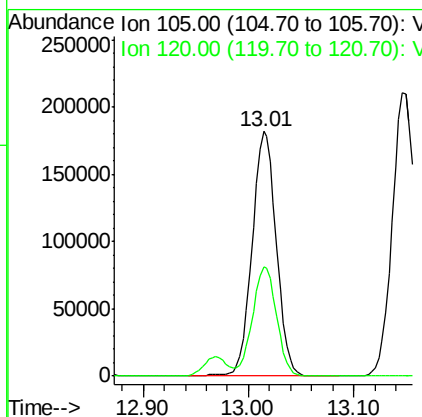
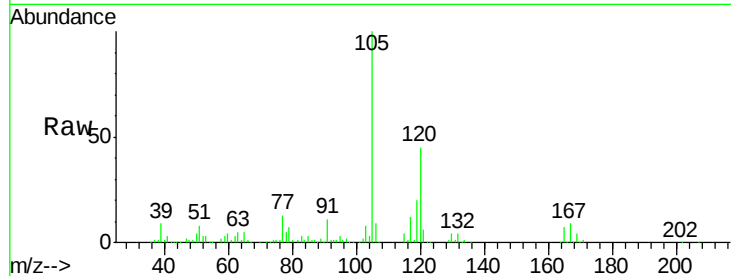
#84
 1,2,4-Trimethylbenzene
 Concen: 51.810 ug/l
 RT: 13.01 min Scan# 3553
 Delta R.T. 0.00 min
 Lab File: VN061243.D
 Acq: 1 May 2020 20:09

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB180-GW-803-805MSD

Tot Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.2	66.6

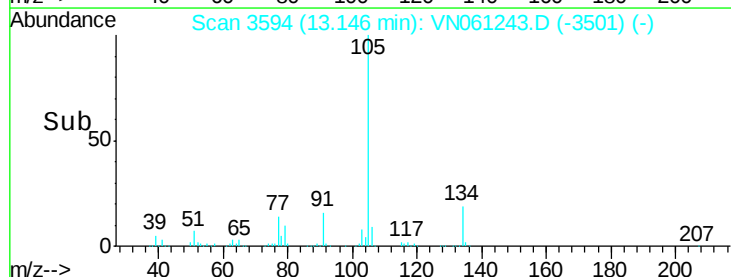
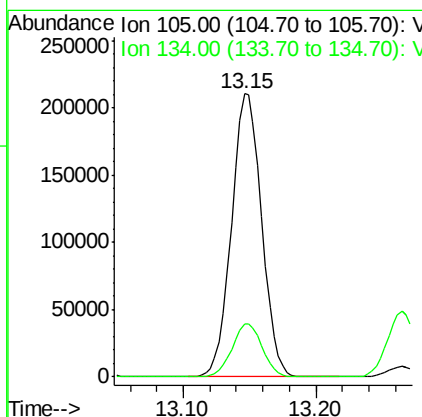
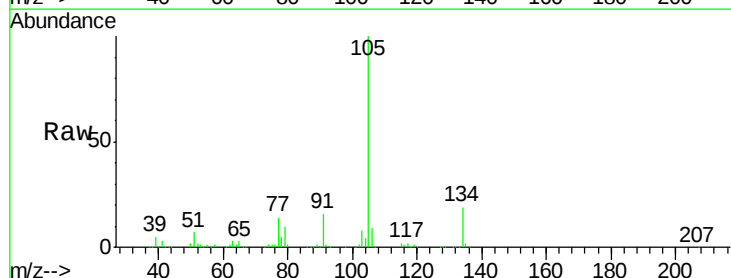
Manual Integrations
 APPROVED

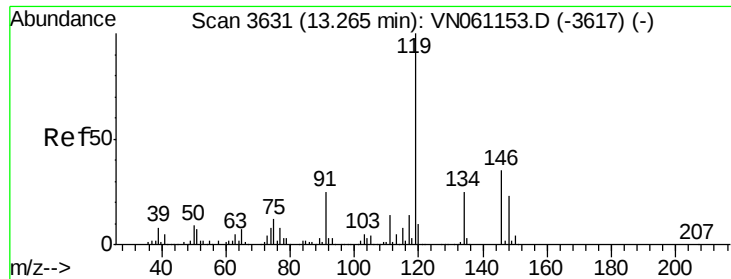
MMDadoda
 5/4/2020 2:58:03 PM



#85
 sec-Butylbenzene
 Concen: 52.970 ug/l
 RT: 13.15 min Scan# 3594
 Delta R.T. 0.00 min
 Lab File: VN061243.D
 Acq: 1 May 2020 20:09

Tgt Ion	Ratio	Lower	Upper
105	100		
134	18.8	9.6	28.8





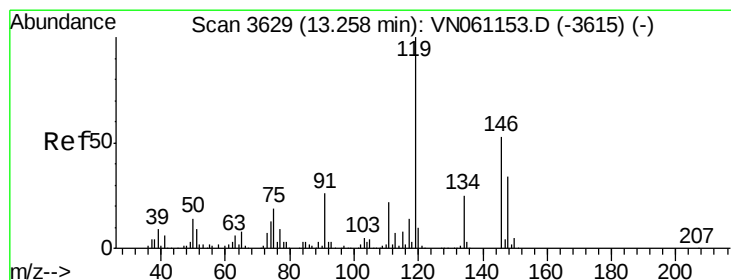
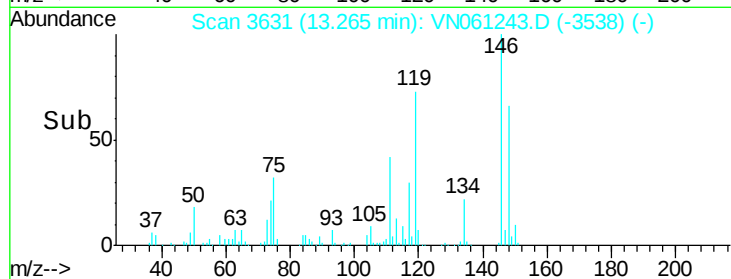
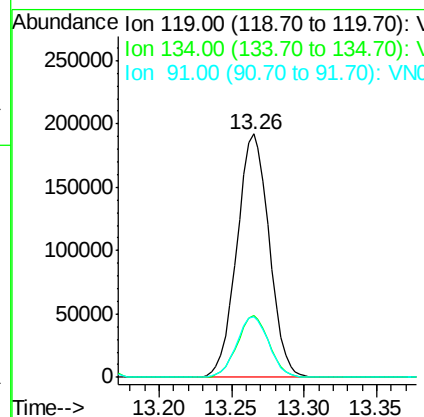
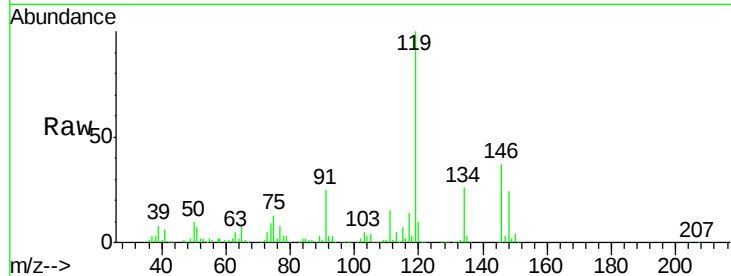
#86
 p-Isopropyltoluene
 Concen: 52.458 ug/l
 RT: 13.26 min Scan# 3631
 Delta R.T. 0.00 min
 Lab File: VN061243.D
 Acq: 1 May 2020 20:09

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB180-GW-803-805MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100	295928		
134	25.1	12.6	37.6	
91	25.2	12.7	38.0	

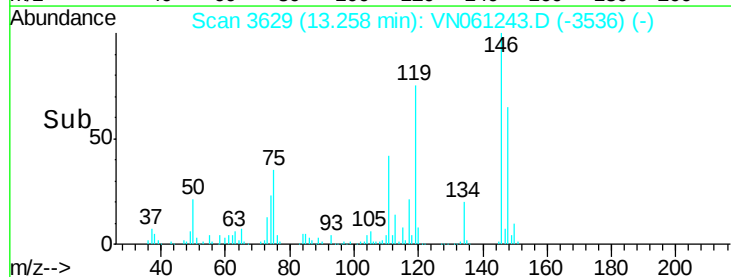
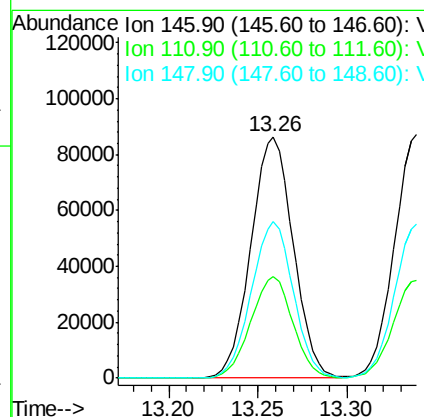
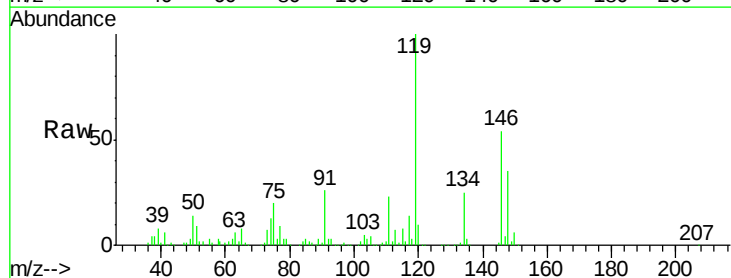
Manual Integrations
 APPROVED

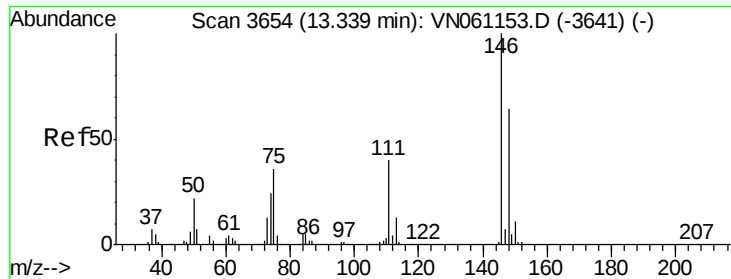
MMDadoda
 5/4/2020 2:58:03 PM



#87
 1,3-Dichlorobenzene
 Concen: 51.270 ug/l
 RT: 13.26 min Scan# 3629
 Delta R.T. 0.00 min
 Lab File: VN061243.D
 Acq: 1 May 2020 20:09

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	143375		
111	41.6	20.7	62.1	
148	64.1	31.8	95.3	





#88

1,4-Dichlorobenzene

Concen: 50.848 ug/l

RT: 13.34 min Scan# 3654

Delta R.T. 0.00 min

Lab File: VN061243.D

Acq: 1 May 2020 20:09

Instrument :

MSVOA_N

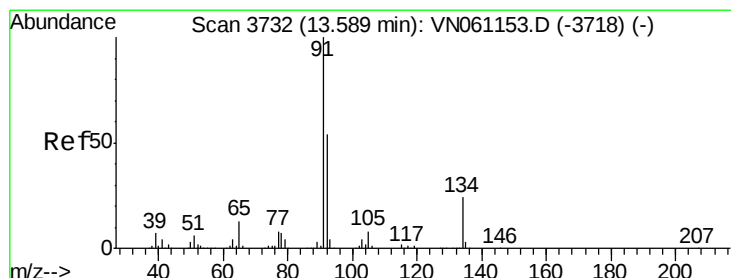
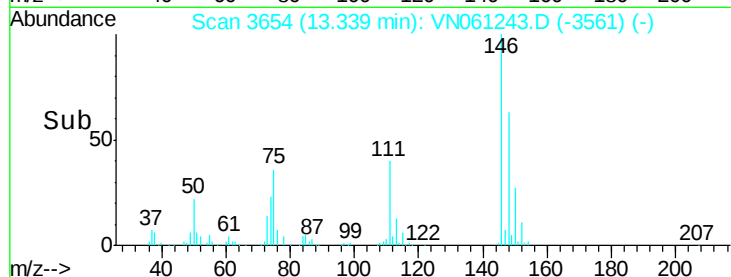
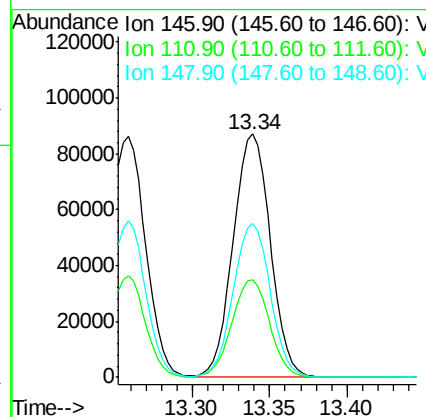
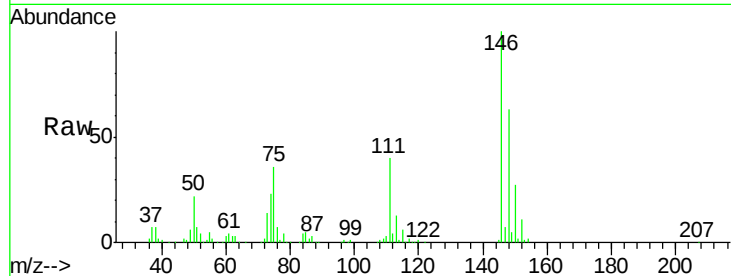
ClientSampleId :

BP-VPB180-GW-803-805MSD

Tot Ion:	146	Resp:	145286
Ion Ratio	Lower	Upper	
146	100		
111	40.6	20.4	61.3
148	63.2	31.9	95.7

Manual Integrations
APPROVED

MMDadoda
5/4/2020 2:58:03 PM



#89

n-Butylbenzene

Concen: 52.520 ug/l

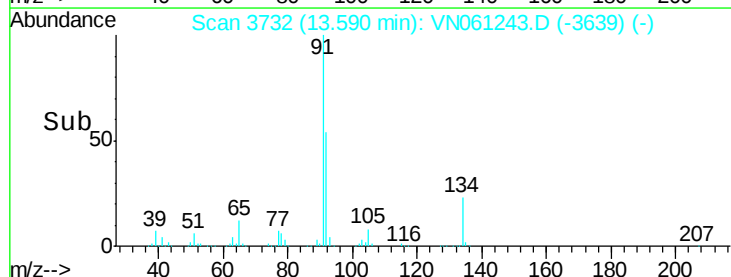
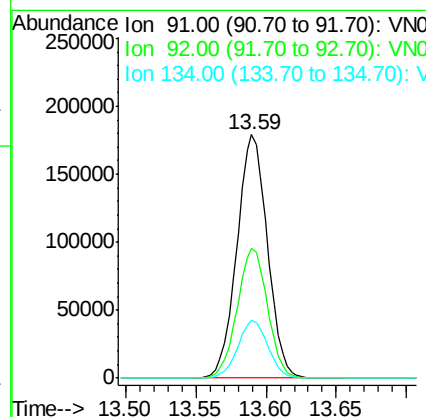
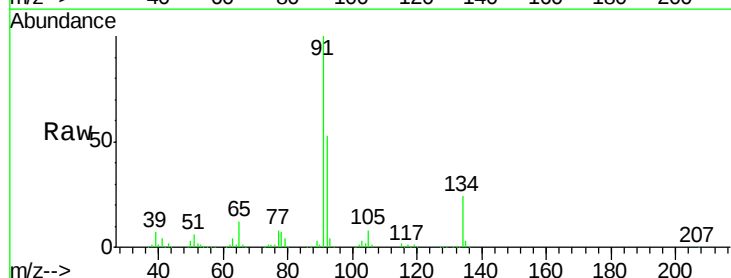
RT: 13.59 min Scan# 3732

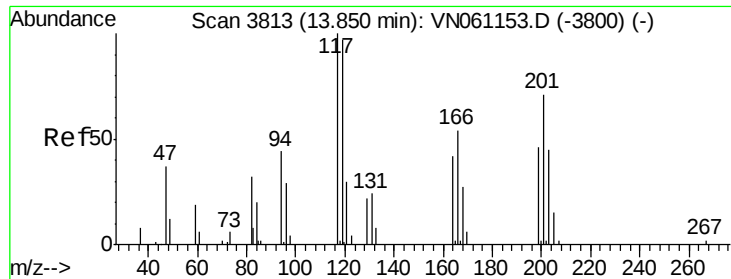
Delta R.T. 0.00 min

Lab File: VN061243.D

Acq: 1 May 2020 20:09

Tgt Ion:	91	Resp:	271613
Ion Ratio	Lower	Upper	
91	100		
92	53.0	26.8	80.3
134	23.3	11.9	35.5





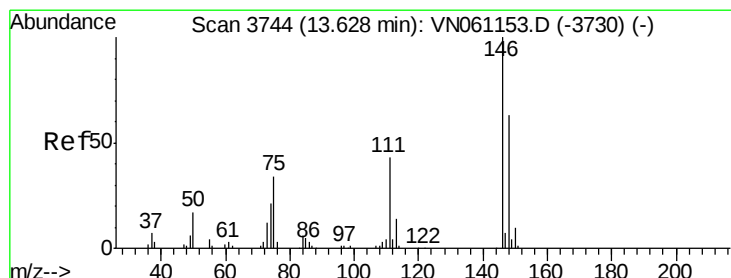
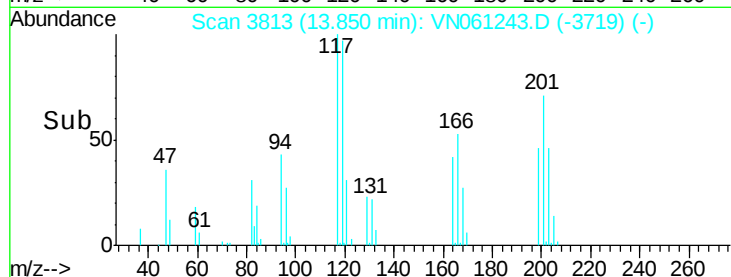
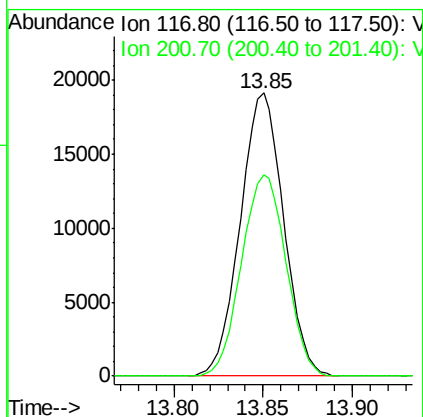
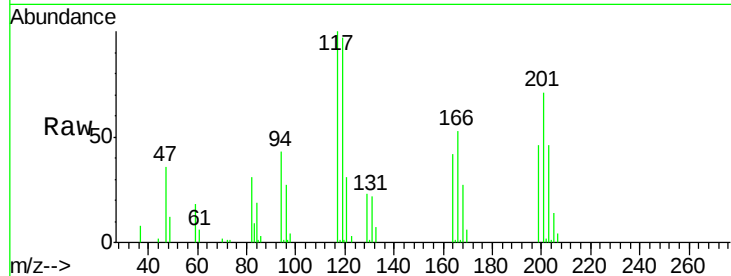
#90
Hexachloroethane
Concen: 54.494 ug/l
RT: 13.85 min Scan# 3813
Delta R.T. 0.00 min
Lab File: VN061243.D
Acq: 1 May 2020 20:09

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB180-GW-803-805MSD

Tot Ion:117 Resp: 32541
Ion Ratio Lower Upper
117 100
201 72.9 35.5 106.7

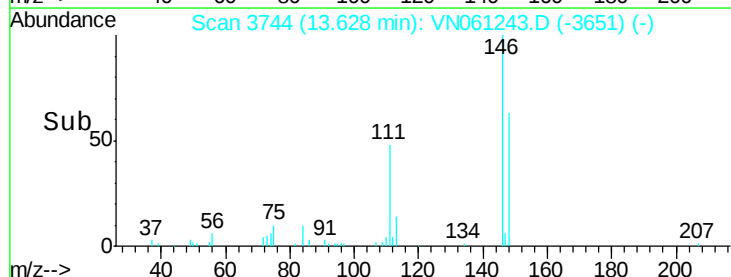
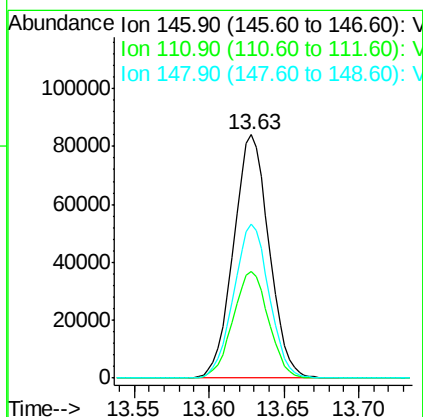
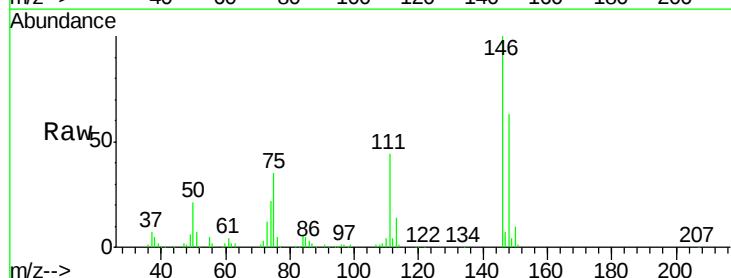
Manual Integrations
APPROVED

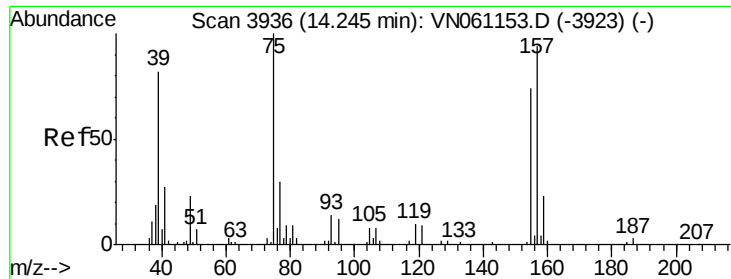
MMDadoda
5/4/2020 2:58:03 PM



#91
1,2-Dichlorobenzene
Concen: 51.904 ug/l
RT: 13.63 min Scan# 3744
Delta R.T. 0.00 min
Lab File: VN061243.D
Acq: 1 May 2020 20:09

Tgt Ion:146 Resp: 139174
Ion Ratio Lower Upper
146 100
111 43.8 21.8 65.3
148 63.2 31.6 95.0





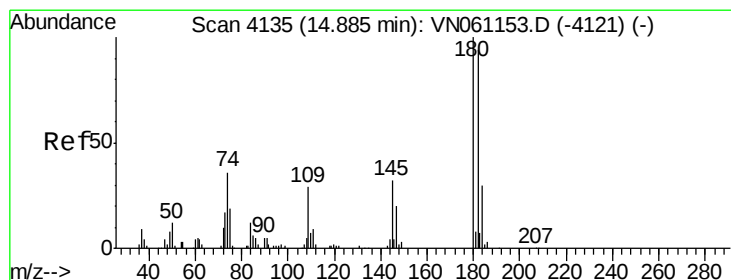
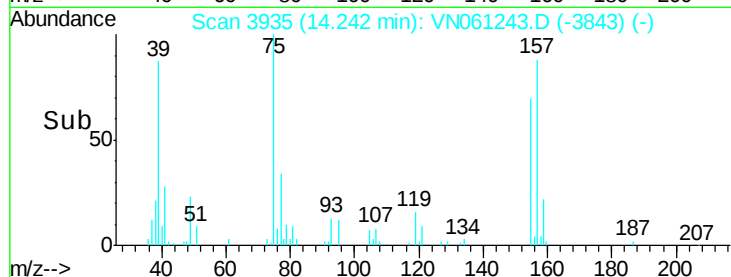
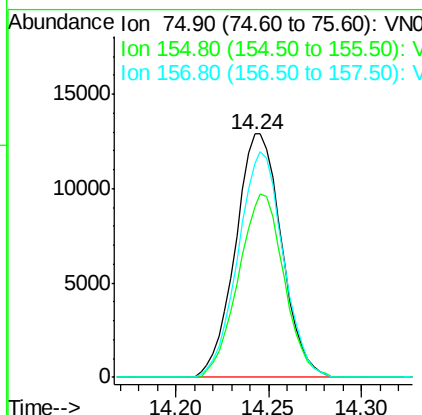
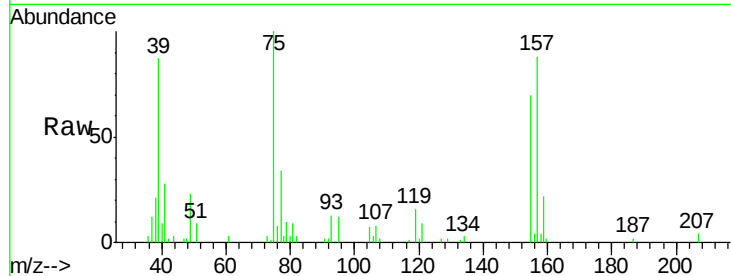
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.480 ug/l
 RT: 14.24 min Scan# 3935
 Delta R.T. -0.00 min
 Lab File: VN061243.D
 Acq: 1 May 2020 20:09

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB180-GW-803-805MSD

Tot Ion	Ratio	Lower	Upper
75	100		
155	74.3	36.5	109.7
157	90.7	46.6	139.7

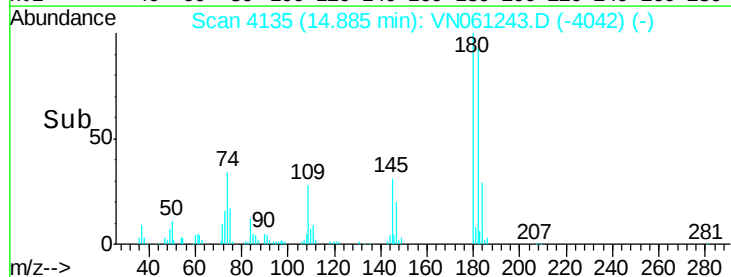
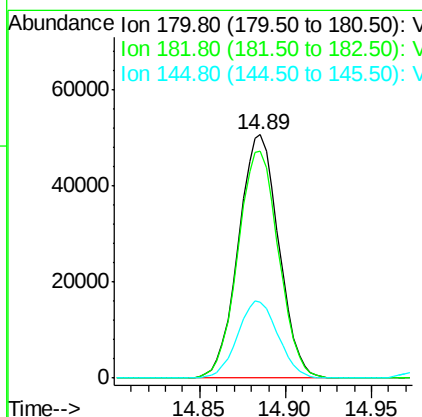
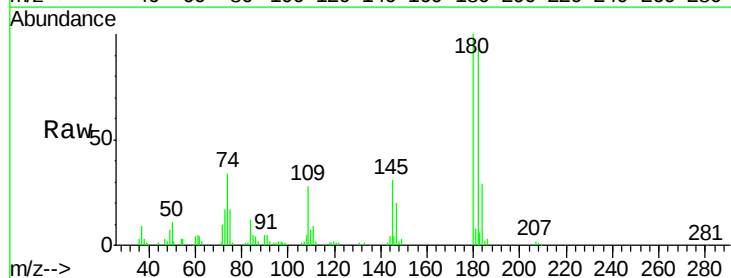
Manual Integrations
 APPROVED

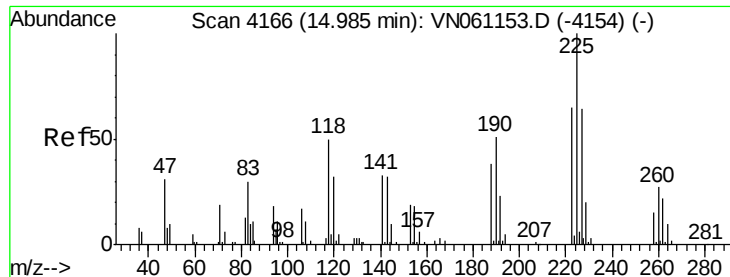
MMDadoda
 5/4/2020 2:58:03 PM



#93
 1,2,4-Trichlorobenzene
 Concen: 50.608 ug/l
 RT: 14.89 min Scan# 4135
 Delta R.T. 0.00 min
 Lab File: VN061243.D
 Acq: 1 May 2020 20:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.3	141.9
145	31.9	16.0	47.9





#94

Hexachlorobutadiene

Concen: 53.785 ug/l

RT: 14.99 min Scan# 4166

Delta R.T. 0.00 min

Lab File: VN061243.D

Acq: 1 May 2020 20:09

Instrument :

MSVOA_N

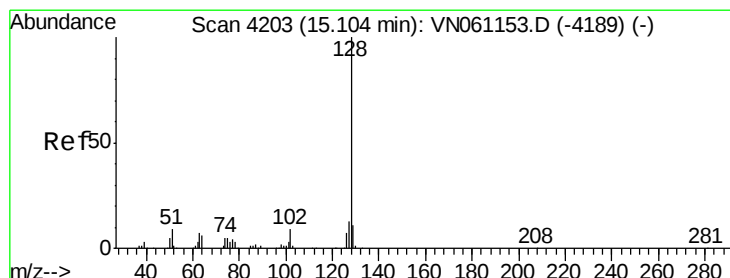
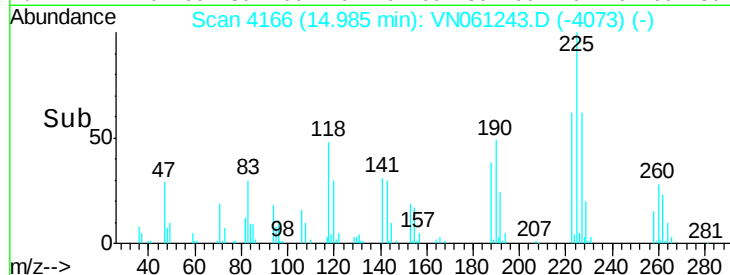
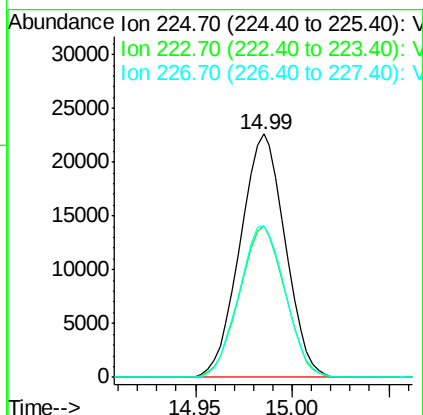
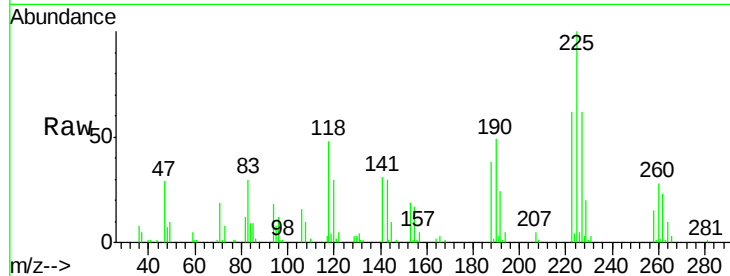
ClientSampleId :

BP-VPB180-GW-803-805MSD

Tot Ion:	225	Resp:	36689
Ion Ratio	Lower	Upper	
225	100		
223	62.9	32.4	97.0
227	63.9	32.4	97.0

Manual Integrations
APPROVED

MMDadoda
5/4/2020 2:58:03 PM



#95

Naphthalene

Concen: 50.234 ug/l

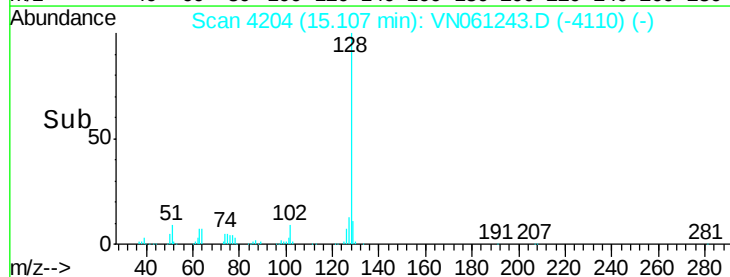
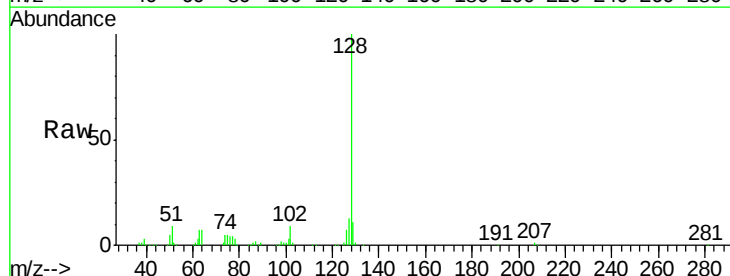
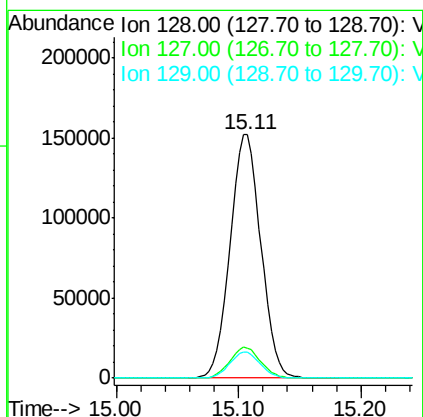
RT: 15.11 min Scan# 4204

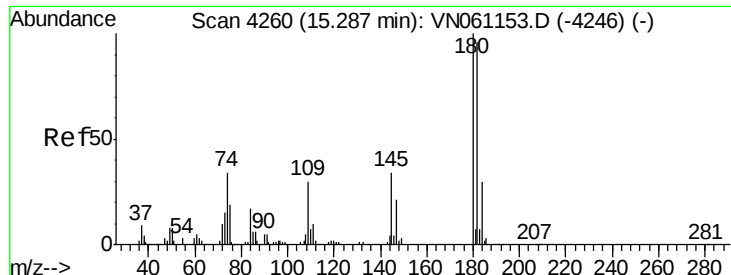
Delta R.T. 0.00 min

Lab File: VN061243.D

Acq: 1 May 2020 20:09

Tgt Ion:	128	Resp:	267125
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.4	15.6
129	10.7	8.7	13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 51.007 ug/l
 RT: 15.28 min Scan# 4259
 Delta R.T. -0.00 min
 Lab File: VN061243.D
 Acq: 1 May 2020 20:09

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB180-GW-803-805MSD

Tot Ion:	180	Resp:	82227
Ion Ratio	Lower	Upper	
180	100		
182	93.7	47.5	142.5
145	33.3	16.9	50.7

Manual Integrations
 APPROVED

MMDadoda
 5/4/2020 2:58:03 PM

