

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050120\
 Data File : VN061242.D
 Acq On : 1 May 2020 19:46
 Operator : JC/MD
 Sample : L2468-06MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 5/4/2020 2:58:02 PM

Quant Time: May 04 04:53:26 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	111150	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	189834	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	180119	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	88722	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	86115	48.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.92%	
35) Dibromofluoromethane	7.55	113	53466	47.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.26%	
50) Toluene-d8	10.06	98	238262	52.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.14%	
62) 4-Bromofluorobenzene	12.38	95	89242	51.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	57833	49.067	ug/l	100
3) Chloromethane	2.03	50	85849	60.139	ug/l	99
4) Vinyl Chloride	2.16	62	85234	52.569	ug/l	98
5) Bromomethane	2.53	94	34830	43.458	ug/l	100
6) Chloroethane	2.67	64	50560	49.198	ug/l	97
7) Trichlorofluoromethane	2.98	101	103513	56.588	ug/l	99
8) Diethyl Ether	3.37	74	44602	58.456	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.72	101	61242	51.968	ug/l	100
10) Methyl Iodide	3.91	142	70374	46.467	ug/l	98
11) Tert butyl alcohol	4.73	59	61954	262.967	ug/l	99
12) 1,1-Dichloroethene	3.70	96	61519	52.458	ug/l	99
13) Acrolein	3.56	56	40185	255.952	ug/l	100
14) Allyl chloride	4.28	41	135090	62.127	ug/l	94
15) Acrylonitrile	4.93	53	210135	290.555	ug/l	99
16) Acetone	3.77	43	180816	266.190	ug/l	98
17) Carbon Disulfide	4.01	76	157342	48.570	ug/l	100
18) Methyl Acetate	4.27	43	104923	47.298	ug/l	96
19) Methyl tert-butyl Ether	4.99	73	230251	51.383	ug/l	98
20) Methylene Chloride	4.50	84	73201	53.377	ug/l	95
21) trans-1,2-Dichloroethene	4.99	96	67942	53.205	ug/l	99
22) Diisopropyl ether	5.90	45	281845	55.896	ug/l	97
23) Vinyl Acetate	5.84	43	1025412	252.565	ug/l	99
24) 1,1-Dichloroethane	5.80	63	141964	53.886	ug/l	98
25) 2-Butanone	6.79	43	286809	275.592	ug/l	99
26) 2,2-Dichloropropane	6.78	77	101110	45.565	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	78776	52.568	ug/l	100
28) Bromochloromethane	7.15	49	68810	55.105	ug/l	94
29) Tetrahydrofuran	7.17	42	197086	281.134	ug/l	96
30) Chloroform	7.33	83	134355	50.324	ug/l	99
31) Cyclohexane	7.62	56	124991	48.853	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	114600	49.294	ug/l	99
36) 1,1-Dichloropropene	7.75	75	100819	53.054	ug/l	99
37) Ethyl Acetate	6.88	43	114345	51.326	ug/l	99
38) Carbon Tetrachloride	7.73	117	85433	49.307	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050120\
 Data File : VN061242.D
 Acq On : 1 May 2020 19:46
 Operator : JC/MD
 Sample : L2468-06MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 5/4/2020 2:58:02 PM

Quant Time: May 04 04:53:26 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	107631	50.504	ug/l	98
40) Benzene	8.00	78	303056	53.529	ug/l	99
41) Methacrylonitrile	7.13	41	55930	60.466	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	109839	51.212	ug/l	99
43) Isopropyl Acetate	8.13	43	190724	51.584	ug/l	100
44) Trichloroethene	8.80	130	74533	48.699	ug/l	100
45) 1,2-Dichloropropane	9.08	63	83541	55.233	ug/l	97
46) Dibromomethane	9.17	93	49818	53.195	ug/l	99
47) Bromodichloromethane	9.37	83	106695	53.079	ug/l	98
48) Methyl methacrylate	9.17	41	92028	55.159	ug/l	97
49) 1,4-Dioxane	9.17	88	20528	1083.923	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	608111	279.425	ug/l	100
52) Toluene	10.12	92	182911	53.638	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	116322	51.357	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	121797	50.864	ug/l	96
55) 1,1,2-Trichloroethane	10.53	97	72214	53.091	ug/l	98
56) Ethyl methacrylate	10.40	69	115328	48.730	ug/l	98
57) 1,3-Dichloropropane	10.68	76	129138	54.013	ug/l	99
59) 2-Hexanone	10.72	43	445606	281.442	ug/l	100
60) Dibromochloromethane	10.87	129	73467	51.570	ug/l	100
61) 1,2-Dibromoethane	10.98	107	71982	52.799	ug/l	99
64) Tetrachloroethene	10.60	164	74929	48.031	ug/l	99
65) Chlorobenzene	11.41	112	182594	51.104	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	66694	52.154	ug/l	98
67) Ethyl Benzene	11.49	91	351778	52.594	ug/l	100
68) m/p-Xylenes	11.60	106	256568	104.798	ug/l	98
69) o-Xylene	11.92	106	122971	52.291	ug/l	99
70) Stvrene	11.94	104	209948	53.341	ug/l	99
71) Bromoform	12.10	173	49745	52.929	ug/l #	99
73) Isopropylbenzene	12.22	105	332564	50.988	ug/l	99
74) N-amyl acetate	12.05	43	162755	49.278	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	107326	52.772	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	97304m	52.020	ug/l	
77) Bromobenzene	12.50	156	76742	50.969	ug/l	98
78) n-propylbenzene	12.57	91	400357	51.751	ug/l	100
79) 2-Chlorotoluene	12.65	91	233430	51.335	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	280936	52.042	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	36606	49.698	ug/l	98
82) 4-Chlorotoluene	12.75	91	249138	51.984	ug/l	98
83) tert-Butylbenzene	12.97	119	231960	50.959	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	281640	50.639	ug/l	100
85) sec-Butylbenzene	13.15	105	320592	51.659	ug/l	99
86) p-Isopropyltoluene	13.26	119	286009	51.151	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	139966	50.497	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	139928	49.409	ug/l	99
89) n-Butylbenzene	13.59	91	262291	51.169	ug/l	100
90) Hexachloroethane	13.85	117	31605	53.551	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	134755	50.704	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	21467	49.978	ug/l	99
93) 1,2,4-Trichlorobenzene	14.89	180	79377	49.047	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050120\
Data File : VN061242.D
Acq On : 1 May 2020 19:46
Operator : JC/MD
Sample : L2468-06MS
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 24 Sample Multiplier: 1

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

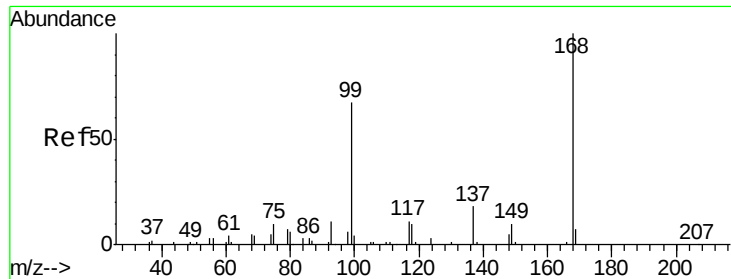
Manual Integrations
APPROVED

MMDadoda
5/4/2020 2:58:02 PM

Quant Time: May 04 04:53:26 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	14.98	225	35476	52.470	ug/l	96
95) Naphthalene	15.11	128	253853	48.164	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	77946	48.782	ug/l	100

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



#1

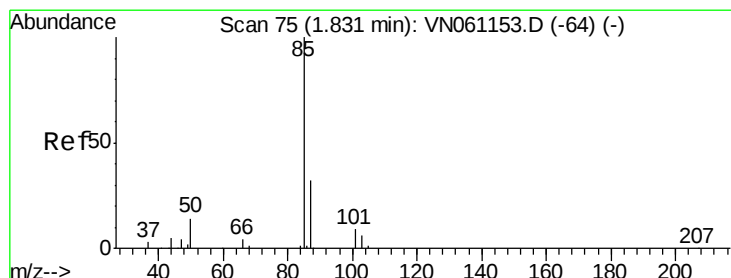
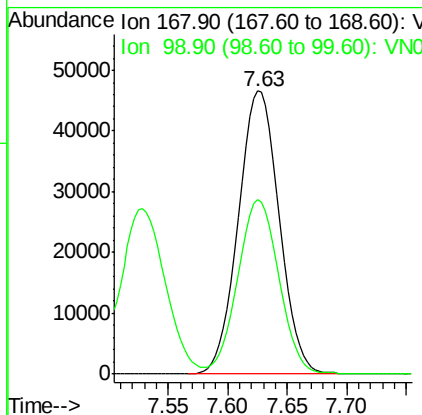
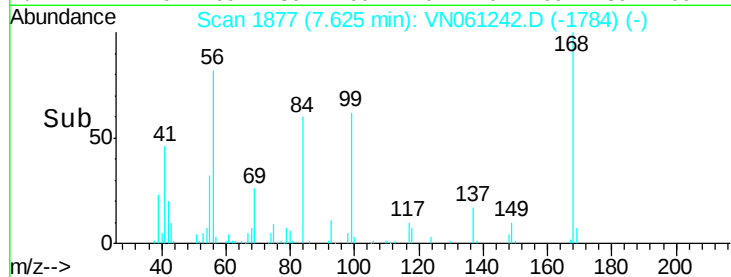
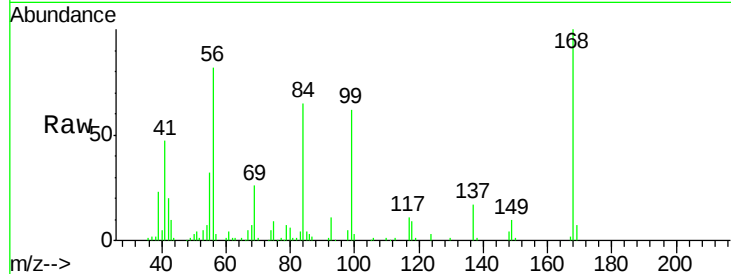
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.63 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VN061242.D
 Acq: 1 May 2020 19:46

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

Tot Ion	Ion	Ratio	Resp	Lower	Upper
168	100		111150		
99	61.4	51.2	76.8		

Manual Integrations
 APPROVED

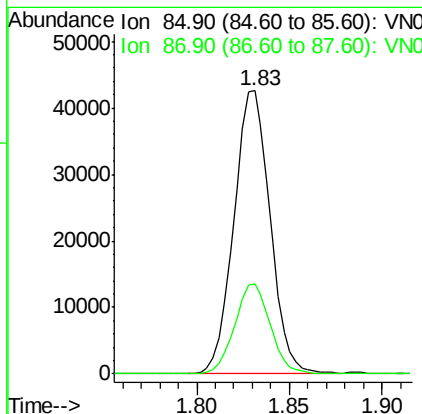
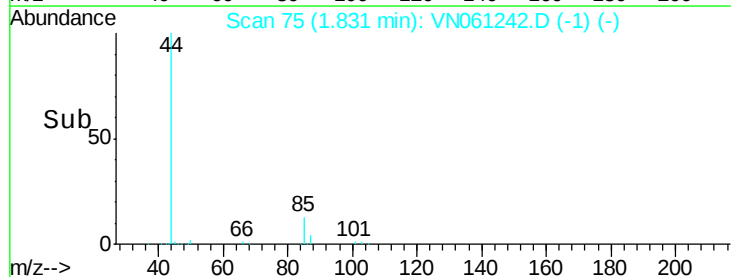
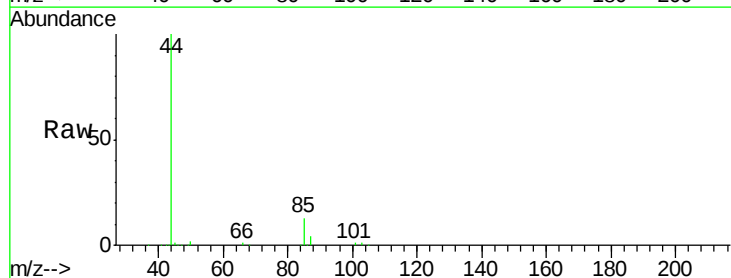
MMDadoda
 5/4/2020 2:58:02 PM

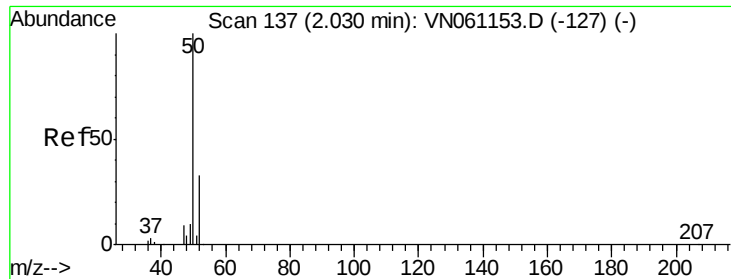


#2

Dichlorodifluoromethane
 Concen: 49.067 ug/l
 RT: 1.83 min Scan# 75
 Delta R.T. 0.00 min
 Lab File: VN061242.D
 Acq: 1 May 2020 19:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
85	100		57833		
87	32.0	16.1	48.2		





#3

Chloromethane

Concen: 60.139 ug/l

RT: 2.03 min Scan# 137

Delta R.T. 0.00 min

Lab File: VN061242.D

Acq: 1 May 2020 19:46

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB180-GW-803-805MS

Tot Ion: 50 Resp: 85849

Ion Ratio Lower Upper

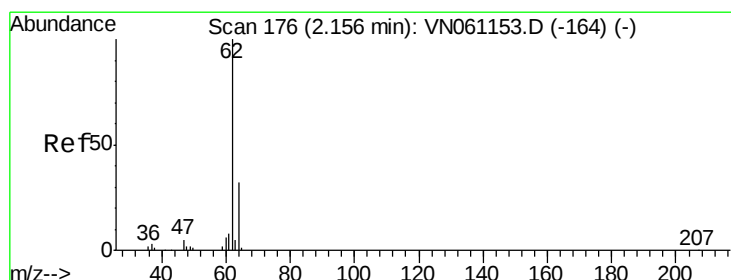
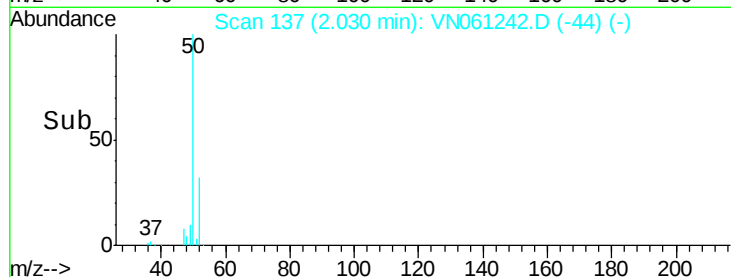
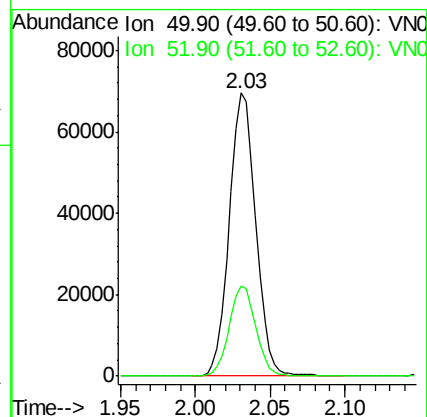
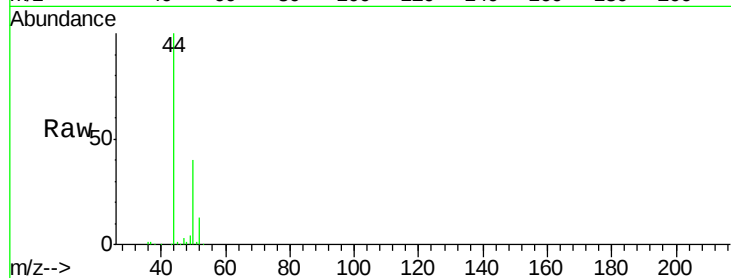
50 100

52 32.0 26.0 39.0

Manual Integrations
APPROVED

MMDadoda

5/4/2020 2:58:02 PM



#4

Vinyl Chloride

Concen: 52.569 ug/l

RT: 2.16 min Scan# 176

Delta R.T. 0.00 min

Lab File: VN061242.D

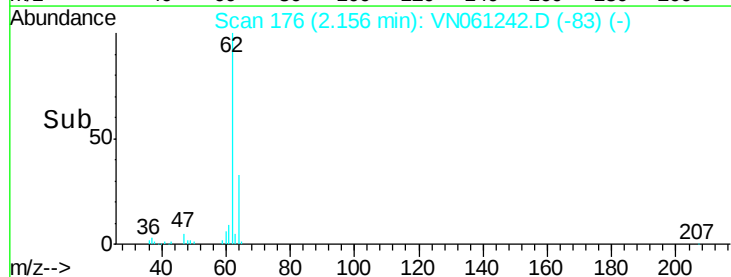
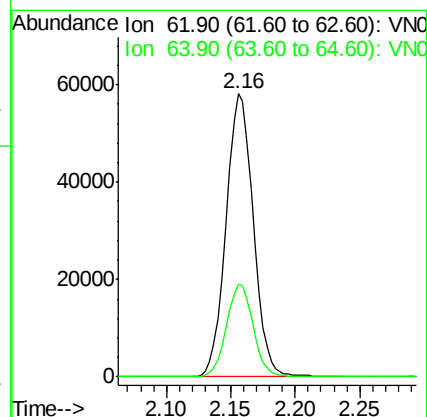
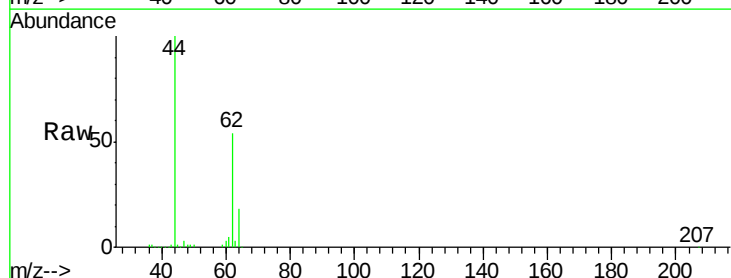
Acq: 1 May 2020 19:46

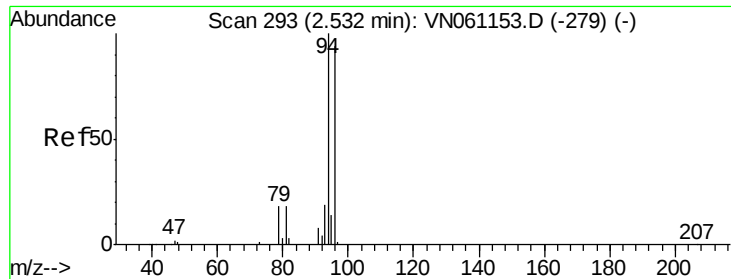
Tgt Ion: 62 Resp: 85234

Ion Ratio Lower Upper

62 100

64 32.6 25.2 37.8





#5

Bromomethane

Concen: 43.458 ug/l

RT: 2.53 min Scan# 293

Delta R.T. 0.00 min

Lab File: VN061242.D

Acq: 1 May 2020 19:46

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB180-GW-803-805MS

Tot Ion: 94 Resp: 34830

Ion Ratio Lower Upper

94 100

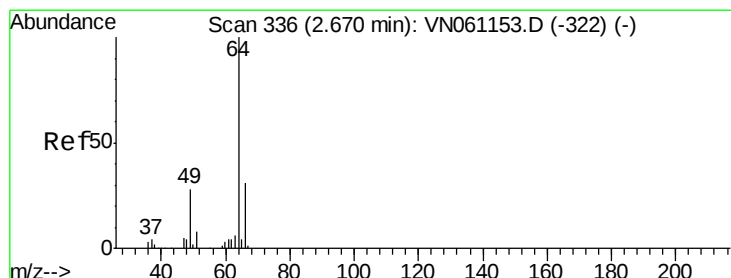
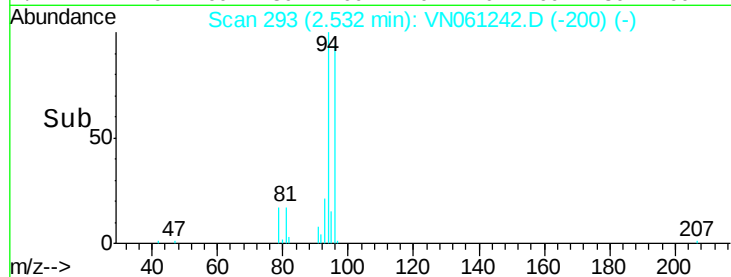
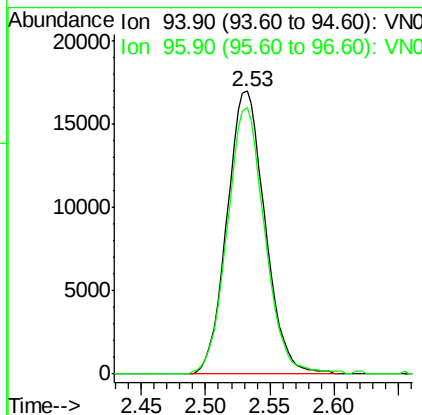
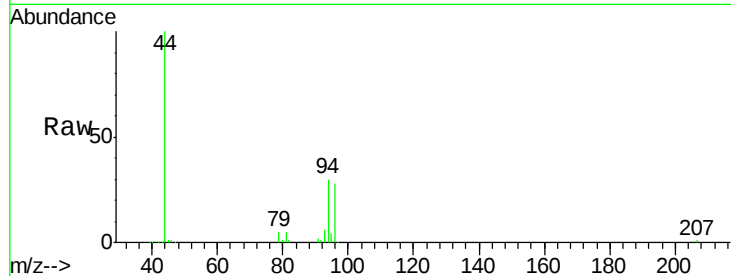
96 94.3 75.1 112.7

Manual Integrations

APPROVED

MMDadoda

5/4/2020 2:58:02 PM



#6

Chloroethane

Concen: 49.198 ug/l

RT: 2.67 min Scan# 336

Delta R.T. 0.00 min

Lab File: VN061242.D

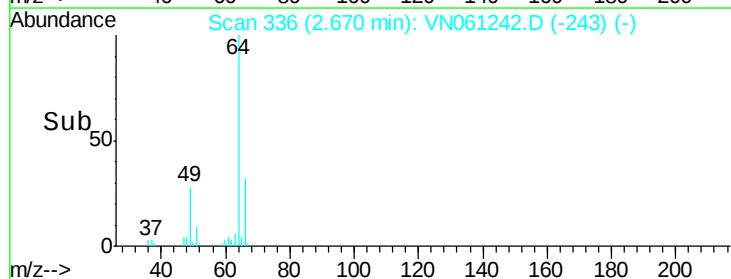
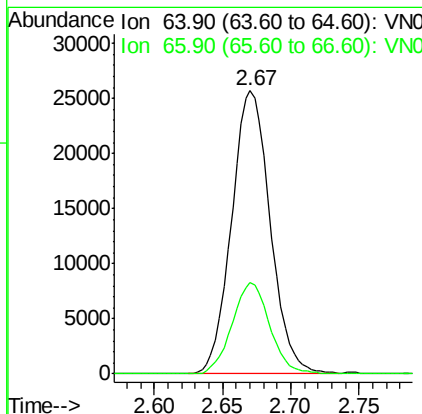
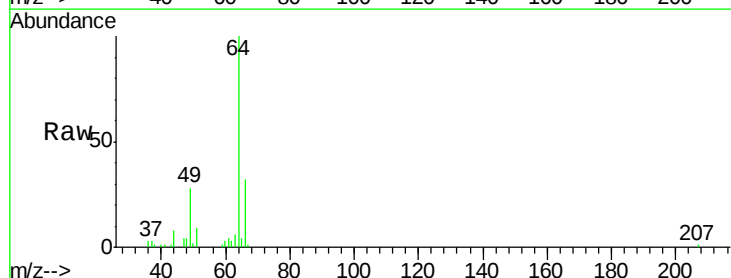
Acq: 1 May 2020 19:46

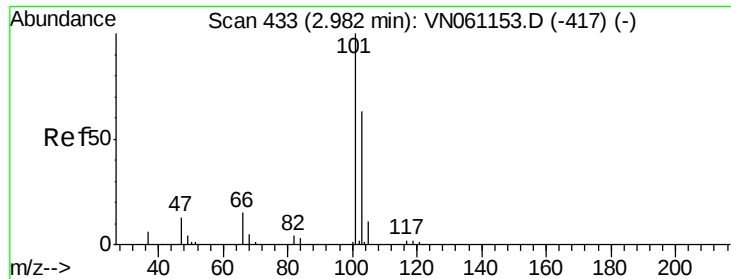
Tgt Ion: 64 Resp: 50560

Ion Ratio Lower Upper

64 100

66 32.1 24.6 36.8





#7

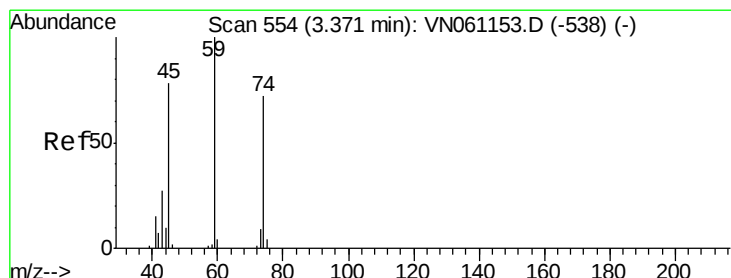
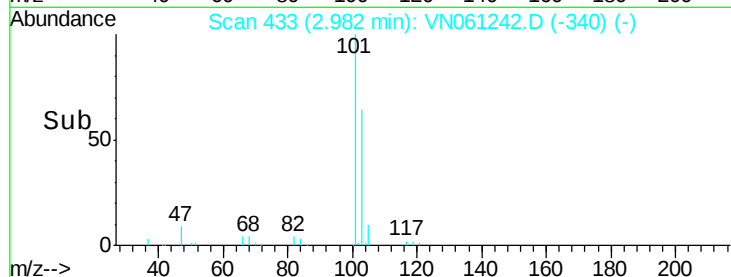
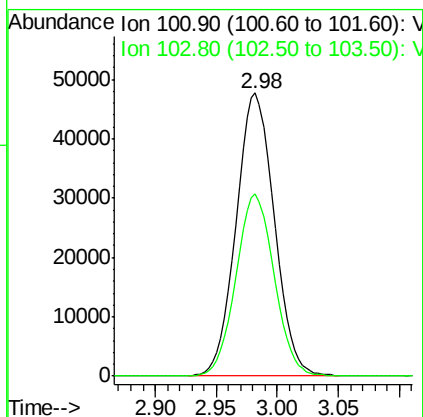
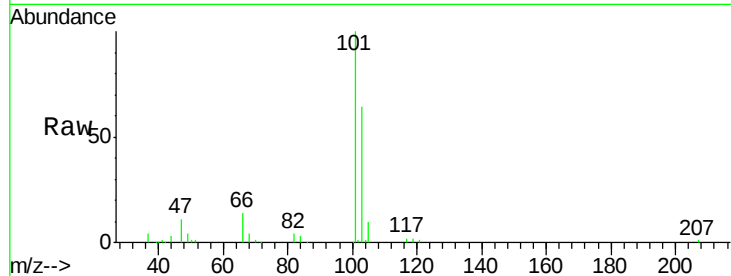
Trichlorofluoromethane
 Concen: 56.588 ug/l
 RT: 2.98 min Scan# 433
 Delta R.T. 0.00 min
 Lab File: VN061242.D
 Acq: 1 May 2020 19:46

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

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	50.6	76.0

Manual Integrations
 APPROVED

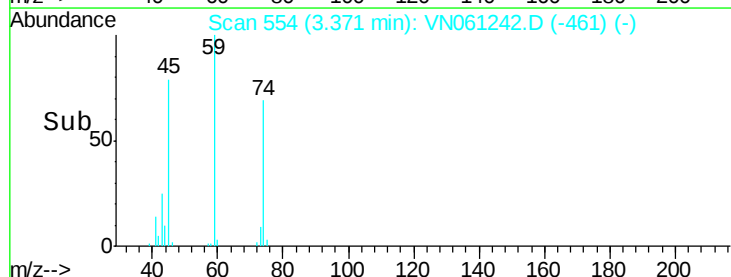
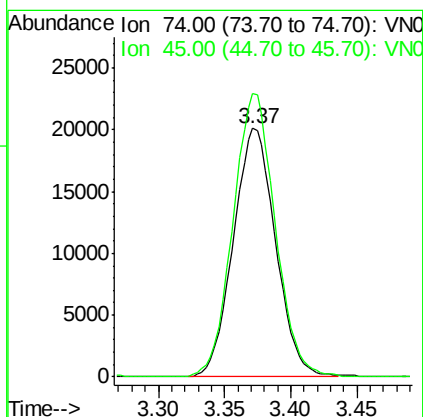
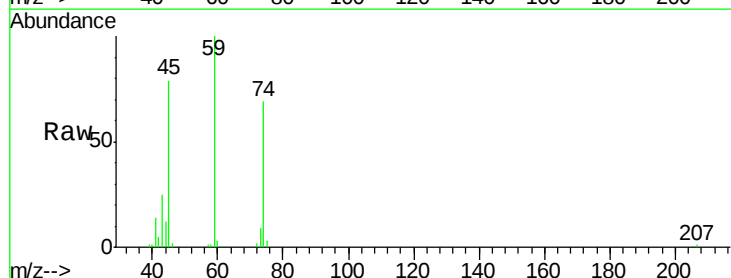
MMDadoda
 5/4/2020 2:58:02 PM



#8

Diethyl Ether
 Concen: 58.456 ug/l
 RT: 3.37 min Scan# 554
 Delta R.T. 0.00 min
 Lab File: VN061242.D
 Acq: 1 May 2020 19:46

Tgt Ion	Ratio	Lower	Upper
74	100		
45	113.7	53.3	160.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.968 ug/l

RT: 3.72 min Scan# 662

Delta R.T. 0.00 min

Lab File: VN061242.D

Acq: 1 May 2020 19:46

Instrument :

MSVOA_N

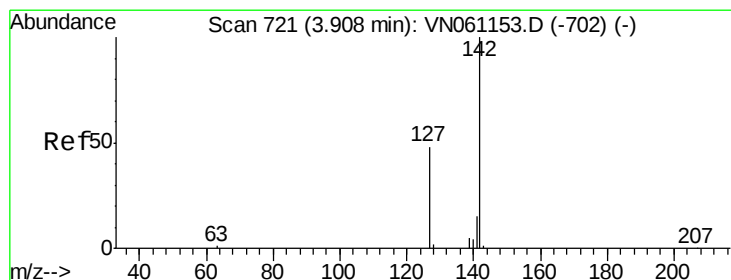
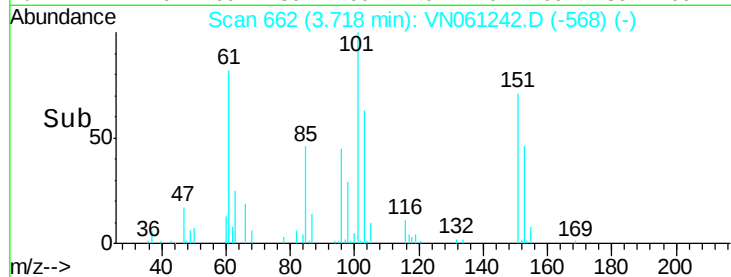
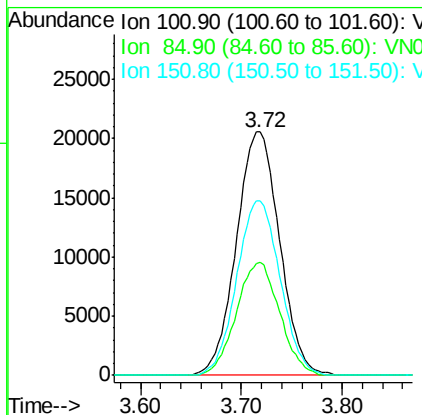
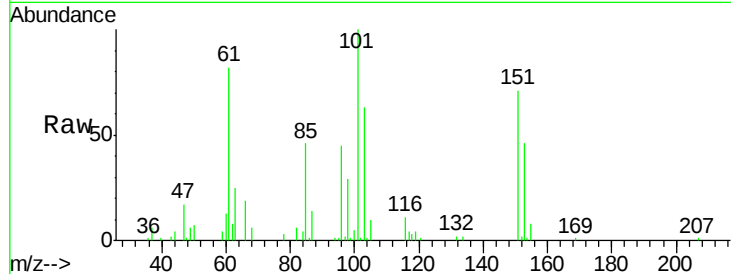
ClientSampleId :

BP-VPB180-GW-803-805MS

Tot Ion:	101	Resp:	61242
Ion Ratio	Lower	Upper	
101	100		
85	46.3	37.2	55.8
151	72.0	57.7	86.5

Manual Integrations
APPROVED

MMDadoda
5/4/2020 2:58:02 PM



#10

Methyl Iodide

Concen: 46.467 ug/l

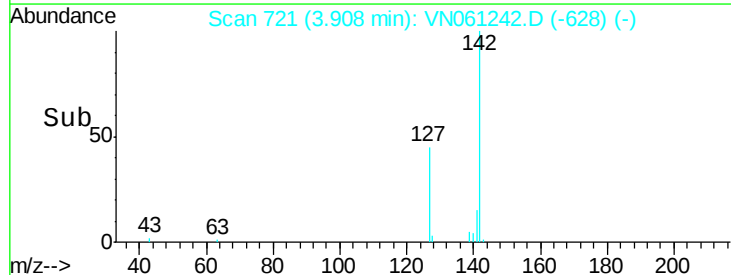
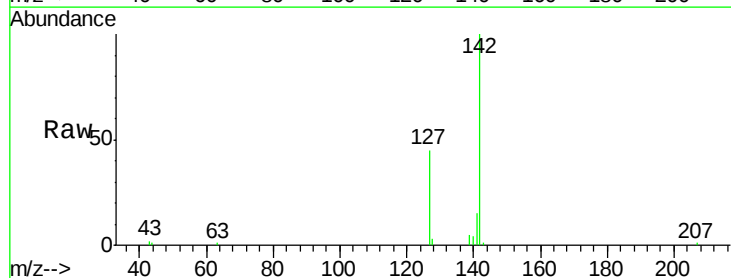
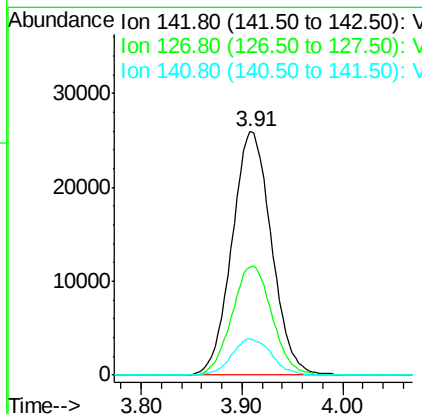
RT: 3.91 min Scan# 721

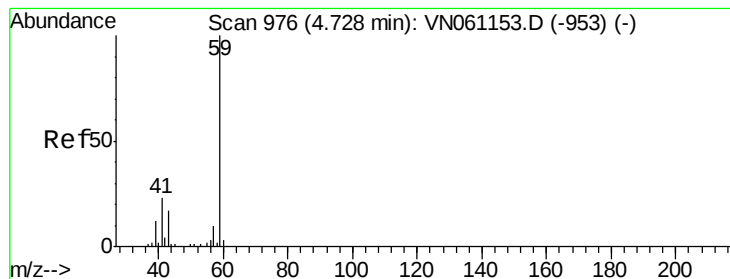
Delta R.T. 0.00 min

Lab File: VN061242.D

Acq: 1 May 2020 19:46

Tgt Ion:	142	Resp:	70374
Ion Ratio	Lower	Upper	
142	100		
127	45.5	38.0	57.0
141	15.0	11.7	17.5





#11

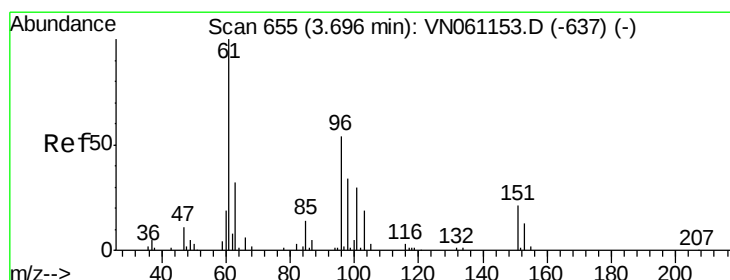
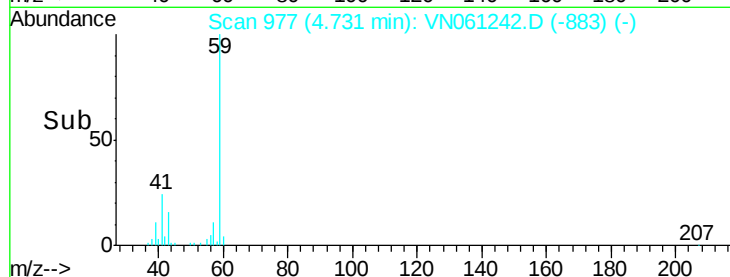
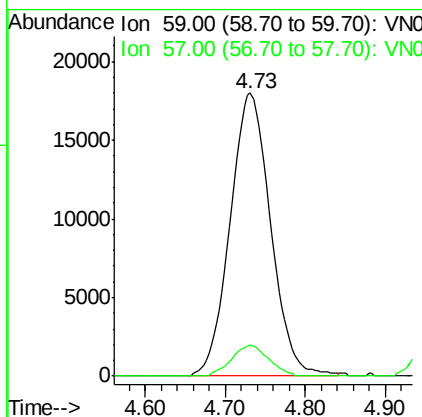
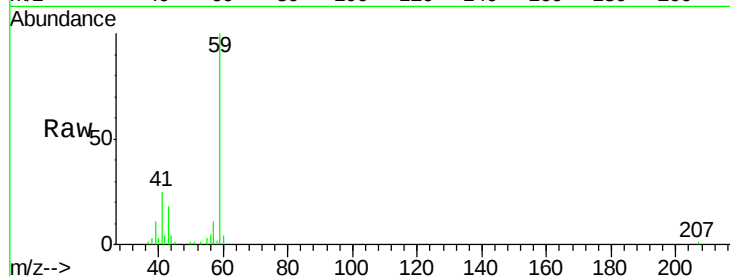
Tert butyl alcohol
Concen: 262.967 ug/l
RT: 4.73 min Scan# 977
Delta R.T. 0.00 min
Lab File: VN061242.D
Acq: 1 May 2020 19:46

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

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.3	12.5

Manual Integrations
APPROVED

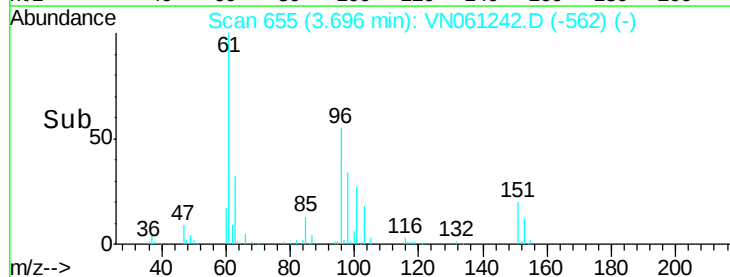
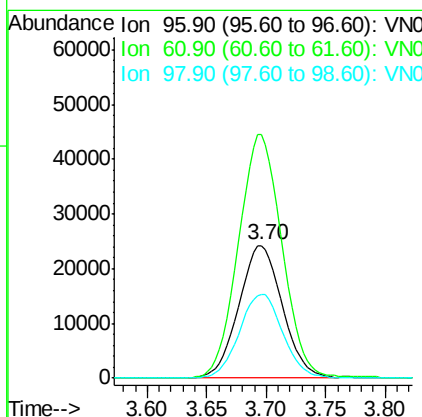
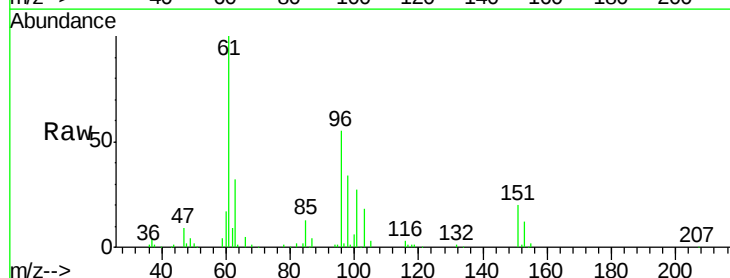
MMDadoda
5/4/2020 2:58:02 PM

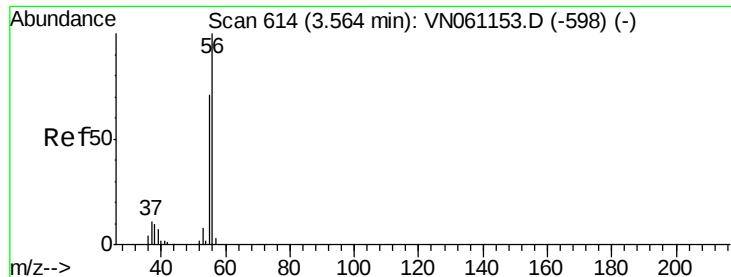


#12

1,1-Dichloroethene
Concen: 52.458 ug/l
RT: 3.70 min Scan# 655
Delta R.T. 0.00 min
Lab File: VN061242.D
Acq: 1 May 2020 19:46

Tgt Ion	Ratio	Lower	Upper
96	100		
61	183.3	147.0	220.6
98	62.9	49.8	74.6





#13

Acrolein

Concen: 255.952 ug/l

RT: 3.56 min Scan# 614

Delta R.T. 0.00 min

Lab File: VN061242.D

Acq: 1 May 2020 19:46

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB180-GW-803-805MS

Tot Ion: 56 Resp: 40185

Ion Ratio Lower Upper

56 100

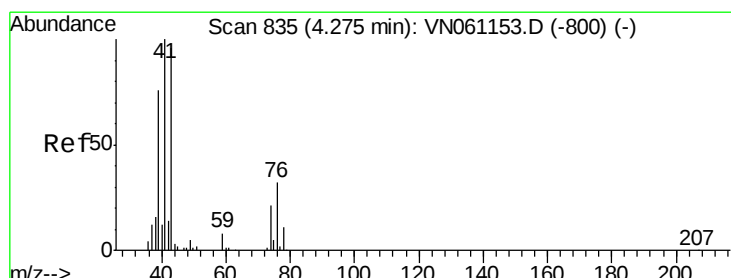
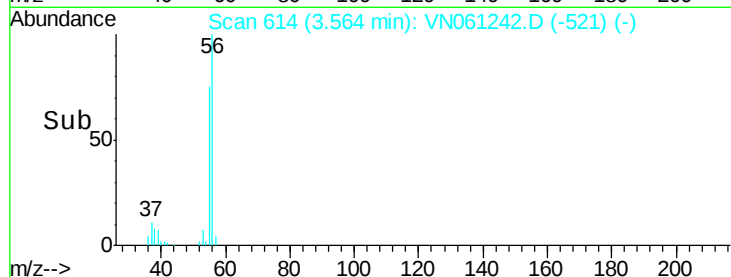
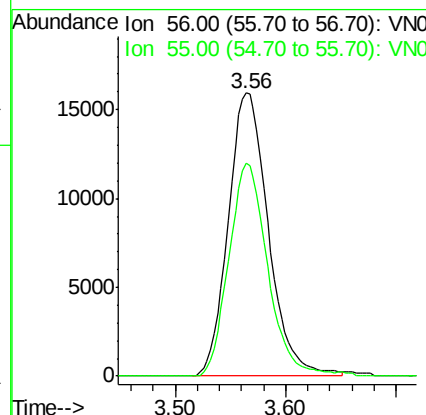
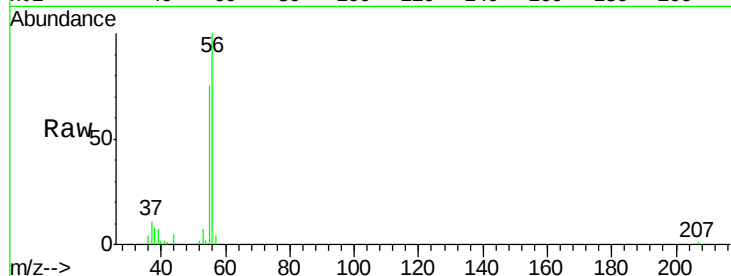
55 72.8 58.5 87.7

Manual Integrations

APPROVED

MMDadoda

5/4/2020 2:58:02 PM



#14

Allyl chloride

Concen: 62.127 ug/l

RT: 4.28 min Scan# 836

Delta R.T. 0.00 min

Lab File: VN061242.D

Acq: 1 May 2020 19:46

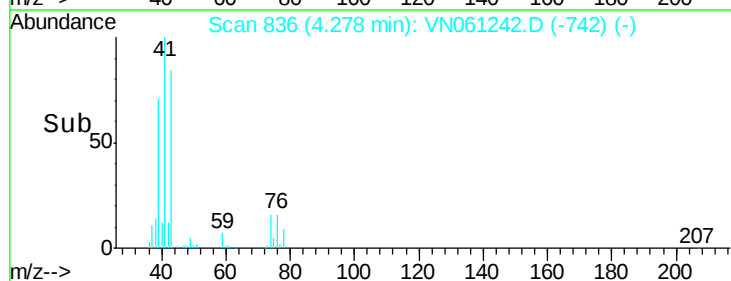
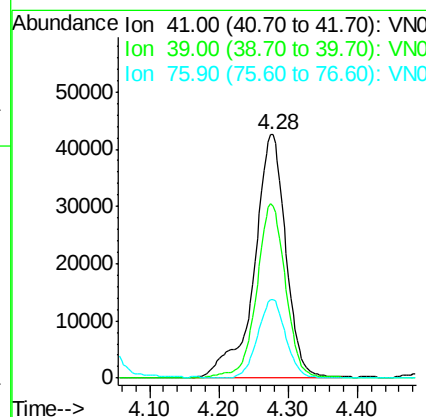
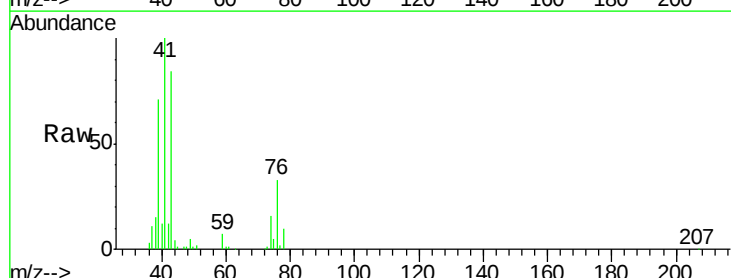
Tgt Ion: 41 Resp: 135090

Ion Ratio Lower Upper

41 100

39 65.4 57.1 85.7

76 28.3 24.3 36.5





#15

Acrylonitrile

Concen: 290.555 ug/l

RT: 4.93 min Scan# 1039

Delta R.T. 0.00 min

Lab File: VN061242.D

Acq: 1 May 2020 19:46

Instrument :

MSVOA_N

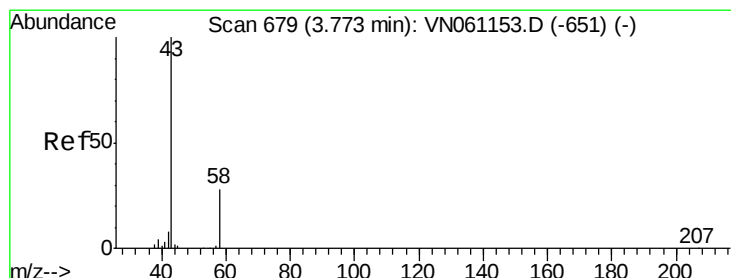
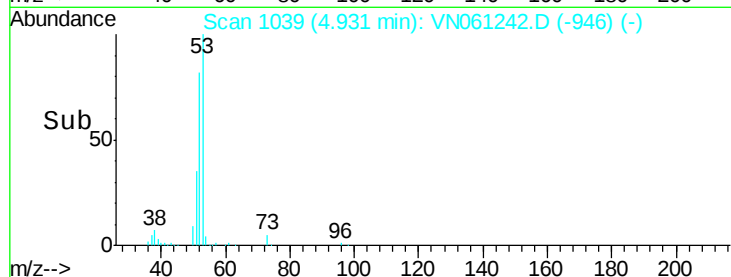
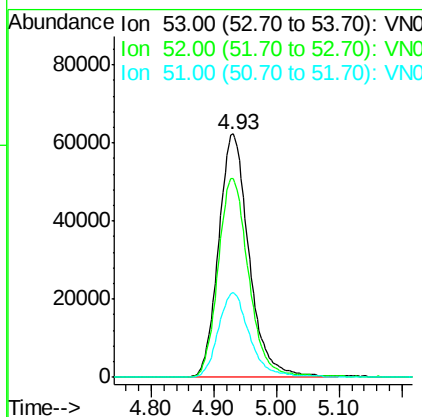
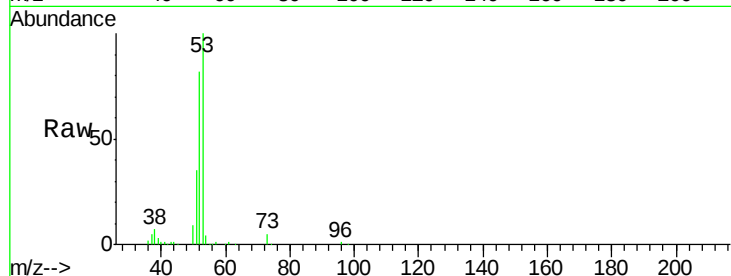
ClientSampleId :

BP-VPB180-GW-803-805MS

Tot Ion:	53	Resp:	210135
Ion Ratio		Lower	Upper
53	100		
52	81.2	65.4	98.0
51	35.9	29.5	44.3

Manual Integrations
APPROVED

MMDadoda
5/4/2020 2:58:02 PM



#16

Acetone

Concen: 266.190 ug/l

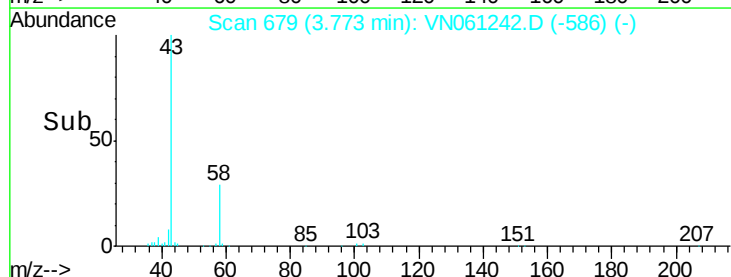
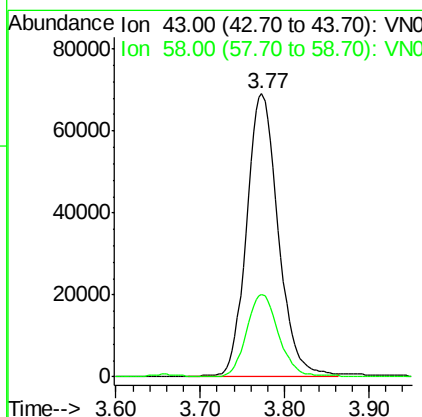
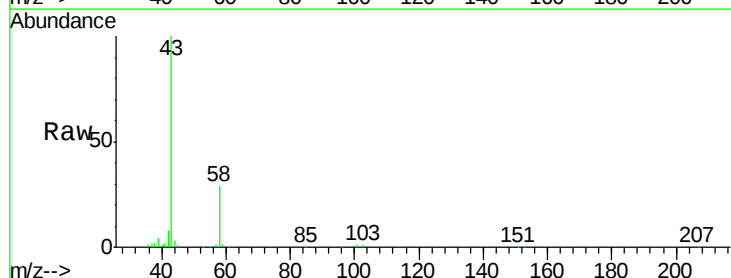
RT: 3.77 min Scan# 679

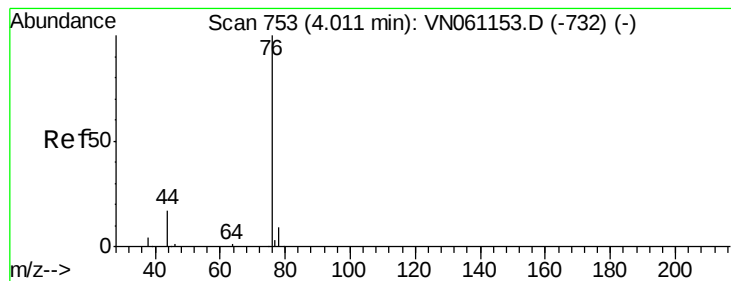
Delta R.T. 0.00 min

Lab File: VN061242.D

Acq: 1 May 2020 19:46

Tgt Ion:	43	Resp:	180816
Ion Ratio		Lower	Upper
43	100		
58	28.9	22.2	33.2





#17

Carbon Disulfide

Concen: 48.570 ug/l

RT: 4.01 min Scan# 753

Delta R.T. 0.00 min

Lab File: VN061242.D

Acq: 1 May 2020 19:46

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB180-GW-803-805MS

Tot Ion: 76 Resp: 157342

Ion Ratio Lower Upper

76 100

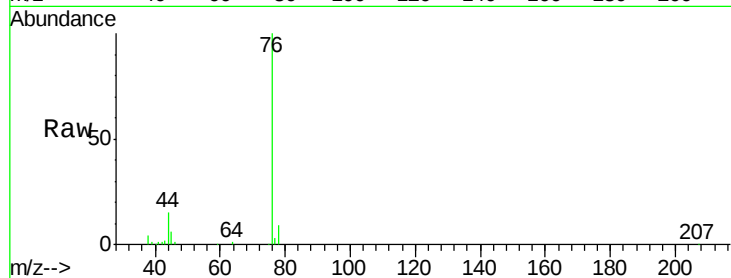
78 9.0 7.2 10.8

Manual Integrations

APPROVED

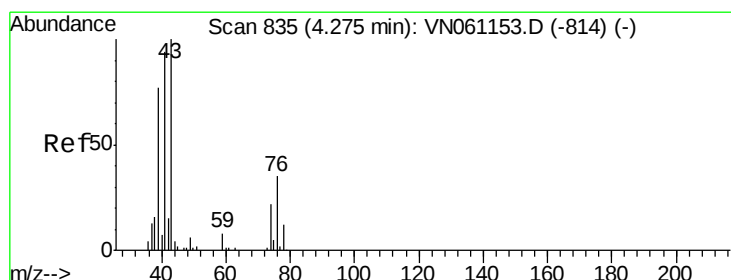
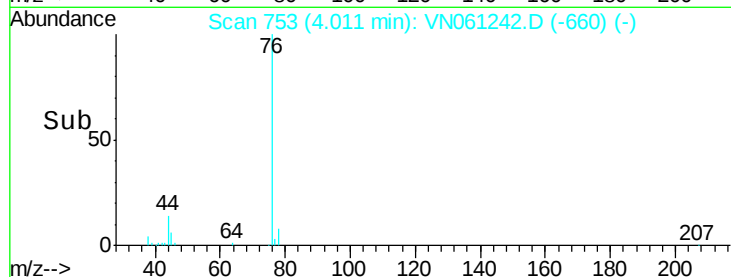
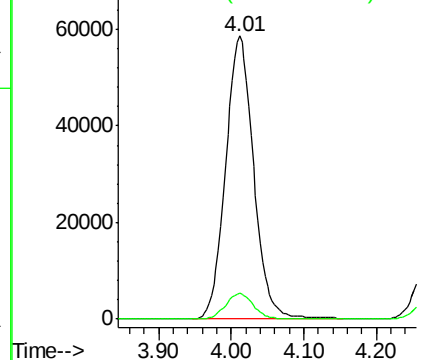
MMDadoda

5/4/2020 2:58:02 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 47.298 ug/l

RT: 4.27 min Scan# 835

Delta R.T. 0.00 min

Lab File: VN061242.D

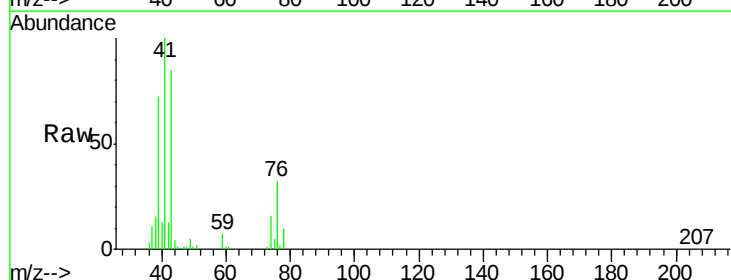
Acq: 1 May 2020 19:46

Tgt Ion: 43 Resp: 104923

Ion Ratio Lower Upper

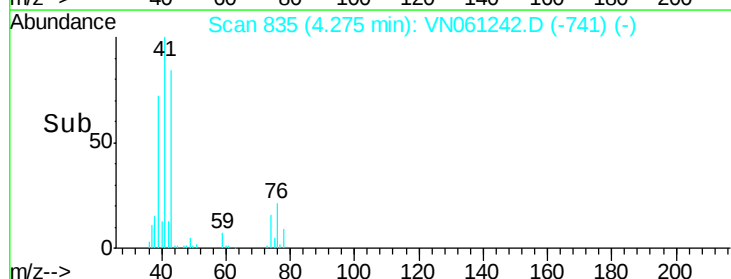
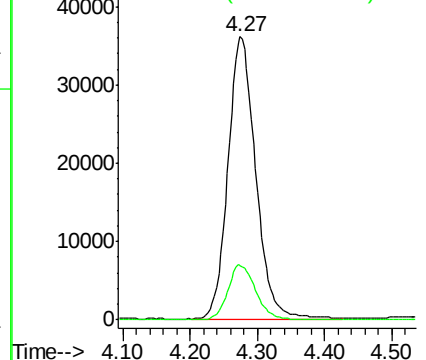
43 100

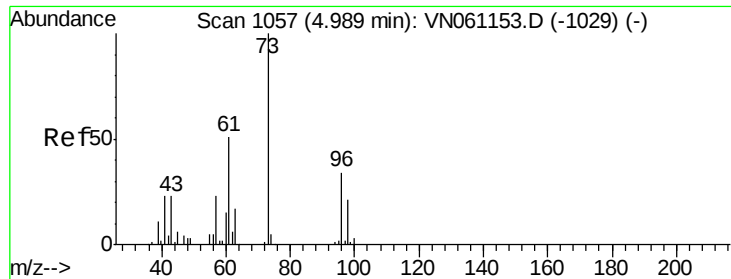
74 19.1 17.0 25.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





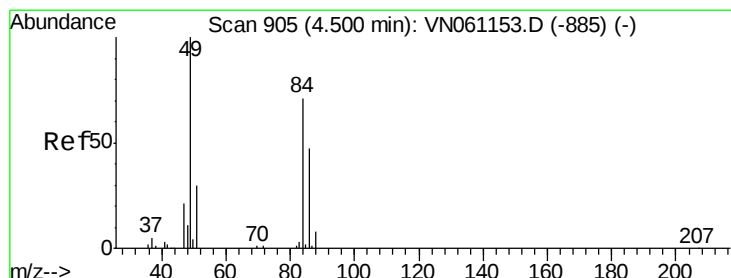
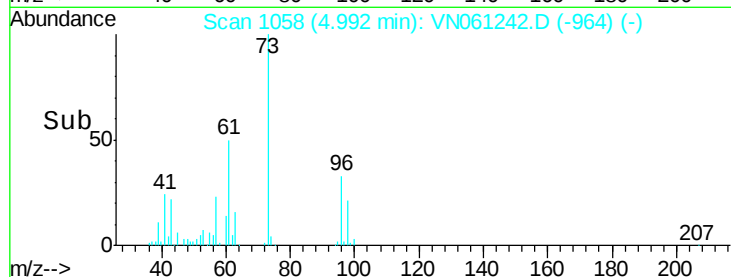
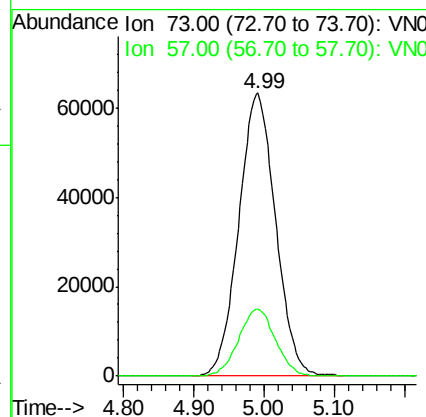
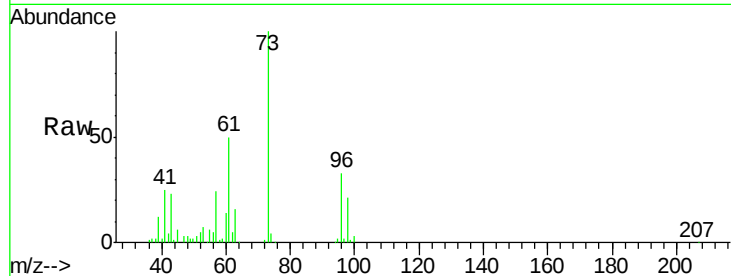
#19
Methvl tert-butvl Ether
Concen: 51.383 ug/l
RT: 4.99 min Scan# 1058
Delta R.T. 0.00 min
Lab File: VN061242.D
Acq: 1 May 2020 19:46

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

Tot Ion: 73 Resp: 230251
Ion Ratio Lower Upper
73 100
57 23.7 18.3 27.5

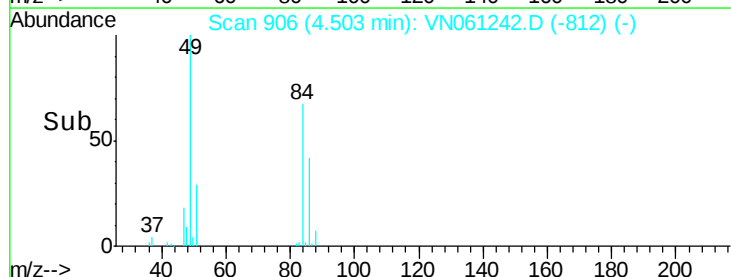
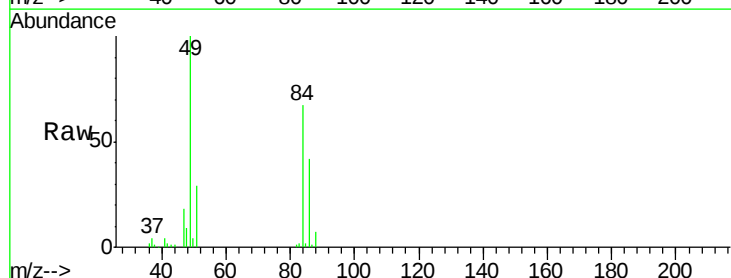
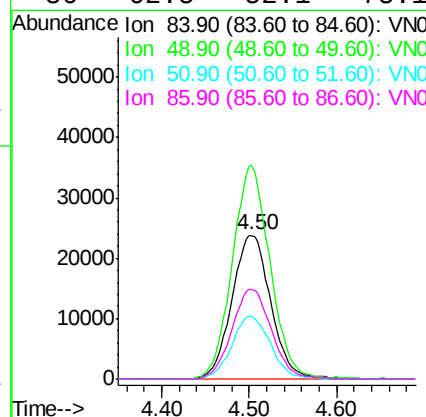
Manual Integrations
APPROVED

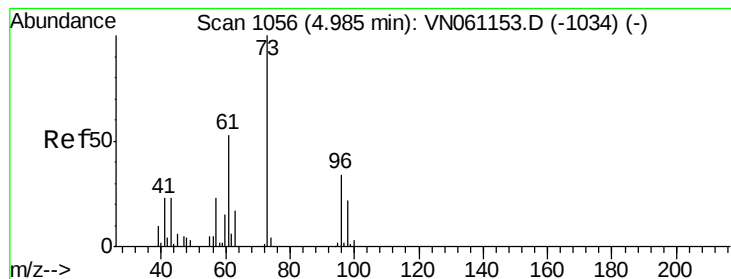
MMDadoda
5/4/2020 2:58:02 PM



#20
Methylene Chloride
Concen: 53.377 ug/l
RT: 4.50 min Scan# 906
Delta R.T. 0.00 min
Lab File: VN061242.D
Acq: 1 May 2020 19:46

Tgt Ion: 84 Resp: 73201
Ion Ratio Lower Upper
84 100
49 148.9 112.0 168.0
51 43.5 33.6 50.4
86 62.5 52.1 78.1





#21

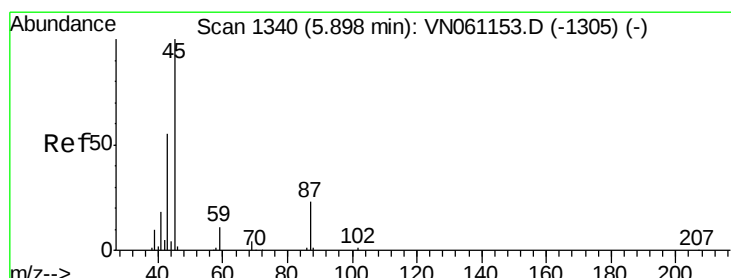
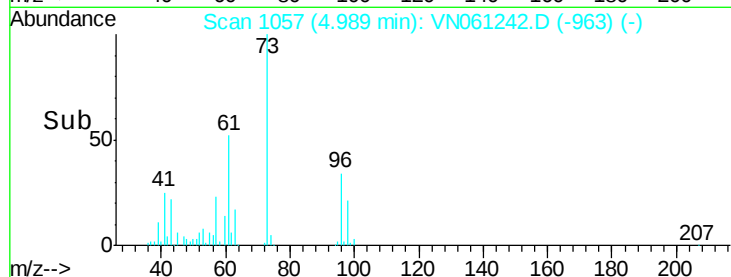
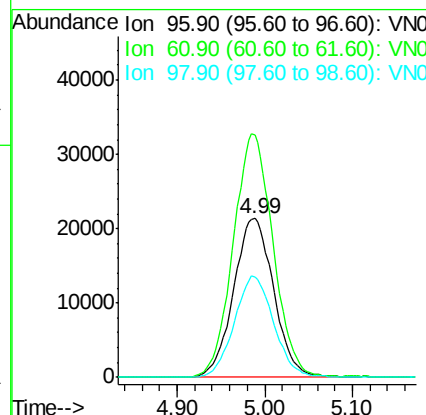
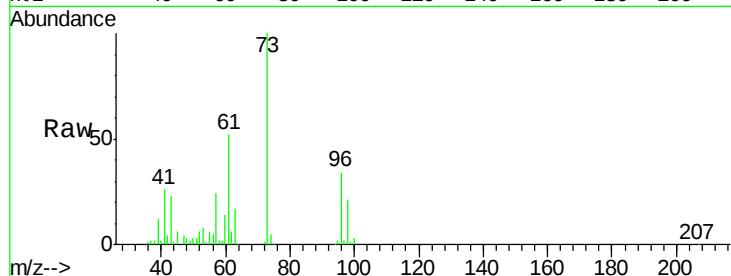
trans-1,2-Dichloroethene
Concen: 53.205 ug/l
RT: 4.99 min Scan# 1057
Delta R.T. 0.00 min
Lab File: VN061242.D
Acq: 1 May 2020 19:46

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

Tot Ion	Ratio	Lower	Upper
96	100		
61	153.0	123.0	184.4
98	63.6	50.1	75.1

Manual Integrations
APPROVED

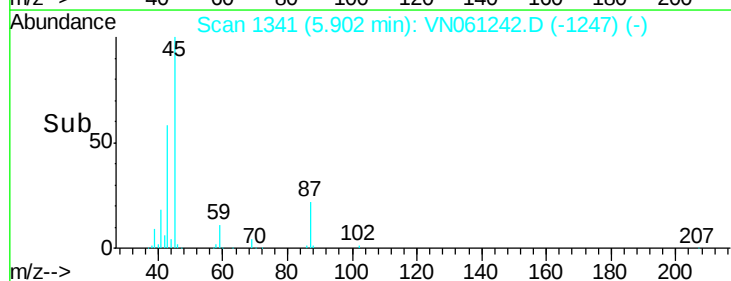
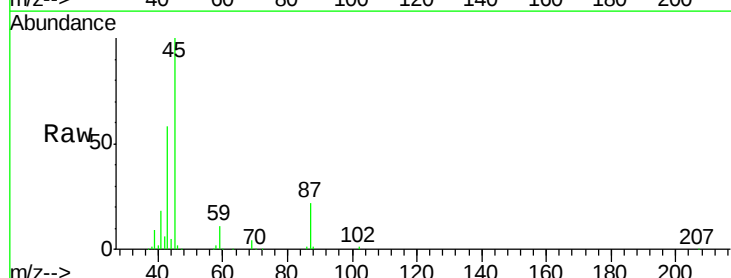
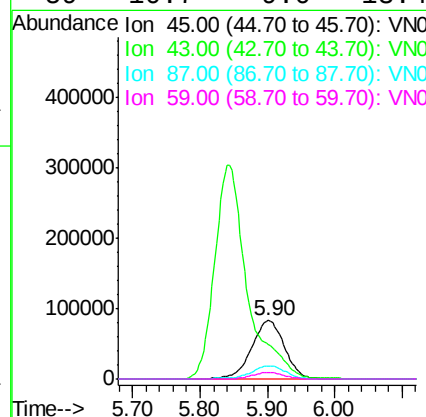
MMDadoda
5/4/2020 2:58:02 PM

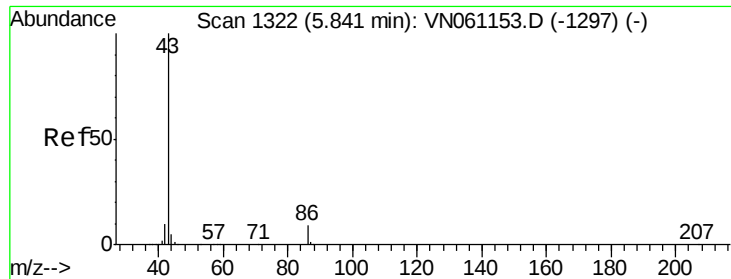


#22

Diisopropyl ether
Concen: 55.896 ug/l
RT: 5.90 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VN061242.D
Acq: 1 May 2020 19:46

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.3	47.9	71.9
87	22.4	19.2	28.8
59	10.7	9.0	13.4





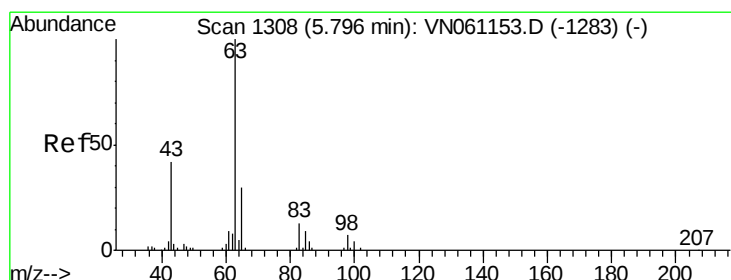
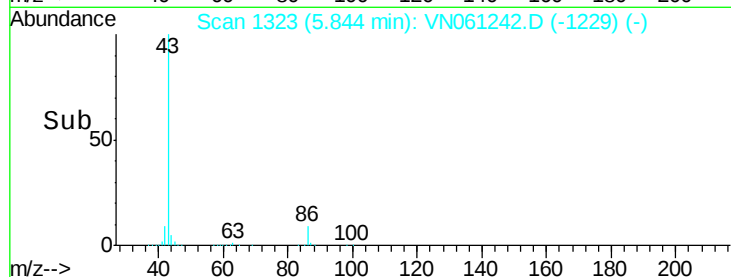
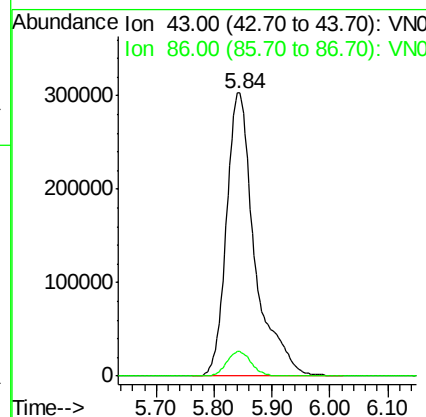
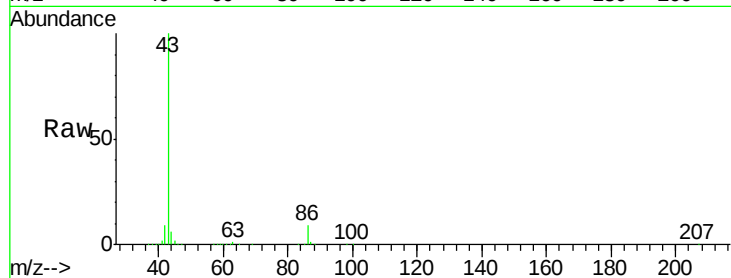
#23
 Vinyl Acetate
 Concen: 252.565 ug/l
 RT: 5.84 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VN061242.D
 Acq: 1 May 2020 19:46

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

Tot Ion: 43 Resp: 1025412
 Ion Ratio Lower Upper
 43 100
 86 8.7 7.2 10.8

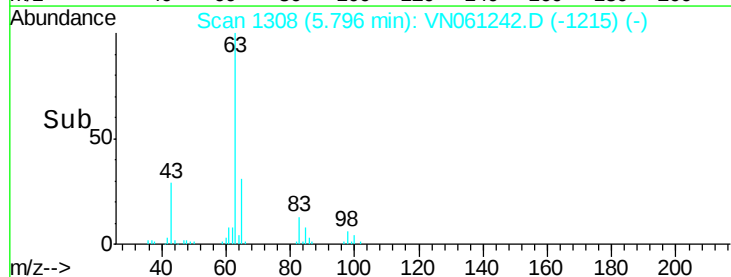
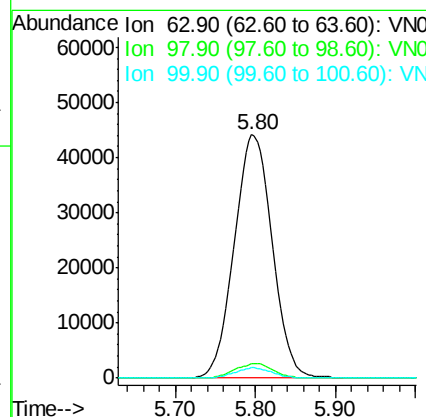
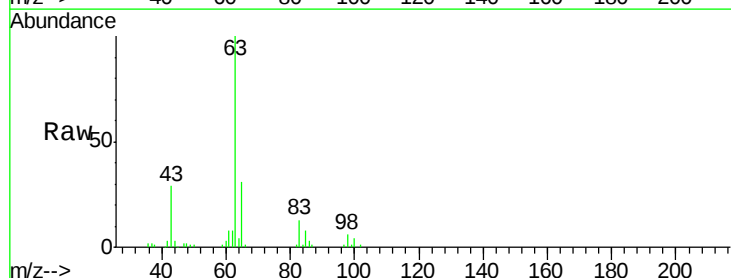
Manual Integrations
 APPROVED

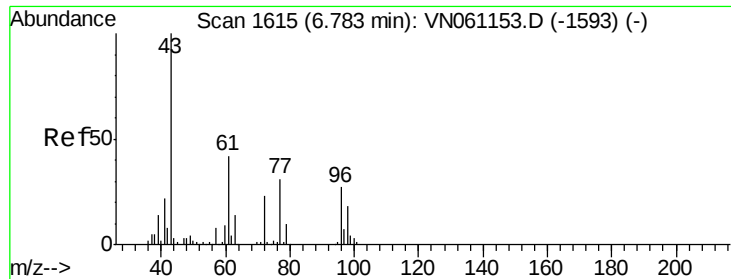
MMDadoda
 5/4/2020 2:58:02 PM



#24
 1,1-Dichloroethane
 Concen: 53.886 ug/l
 RT: 5.80 min Scan# 1308
 Delta R.T. 0.00 min
 Lab File: VN061242.D
 Acq: 1 May 2020 19:46

Tgt Ion: 63 Resp: 141964
 Ion Ratio Lower Upper
 63 100
 98 5.8 3.3 9.9
 100 4.3 1.9 5.7





#25

2-Butanone

Concen: 275.592 ug/l

RT: 6.79 min Scan# 1616

Delta R.T. 0.00 min

Lab File: VN061242.D

Acq: 1 May 2020 19:46

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB180-GW-803-805MS

Tot Ion: 43 Resp: 286809

Ion Ratio Lower Upper

43 100

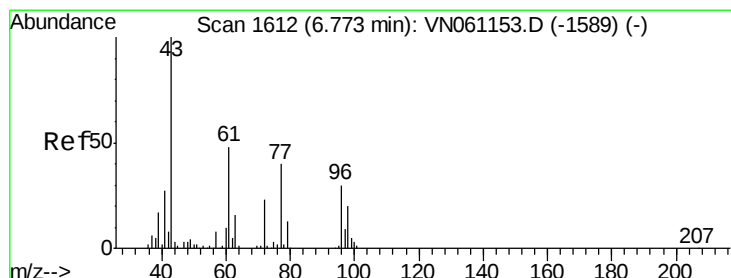
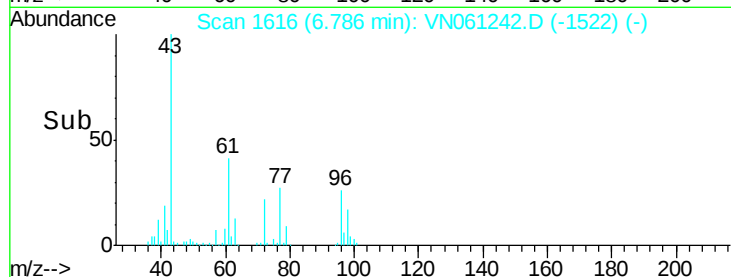
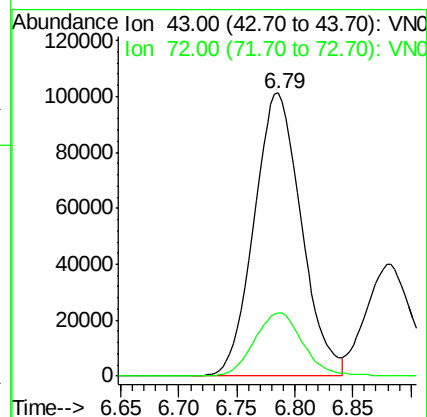
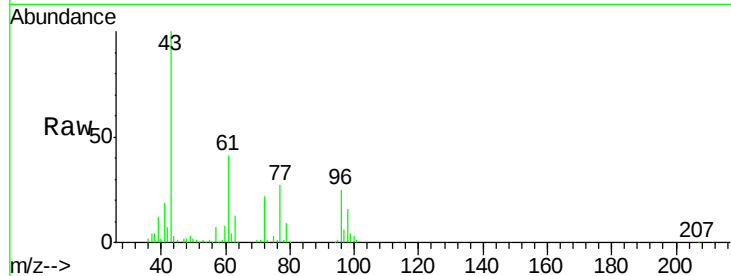
72 22.2 18.2 27.4

Manual Integrations

APPROVED

MMDadoda

5/4/2020 2:58:02 PM



#26

2,2-Dichloropropane

Concen: 45.565 ug/l

RT: 6.78 min Scan# 1613

Delta R.T. 0.00 min

Lab File: VN061242.D

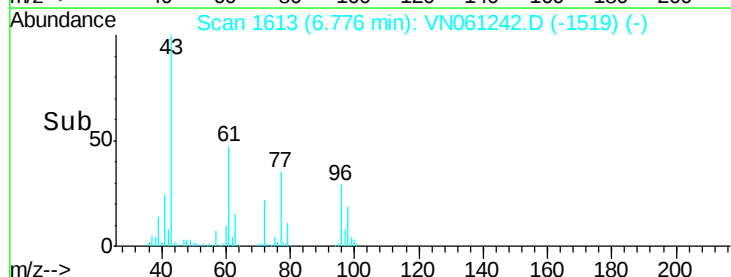
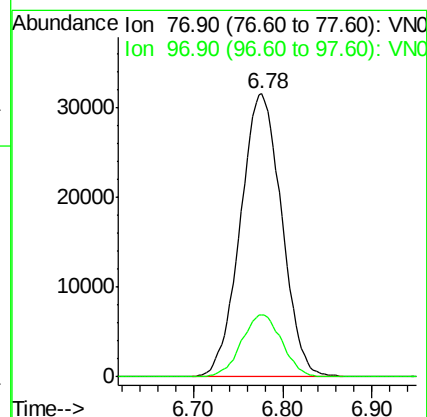
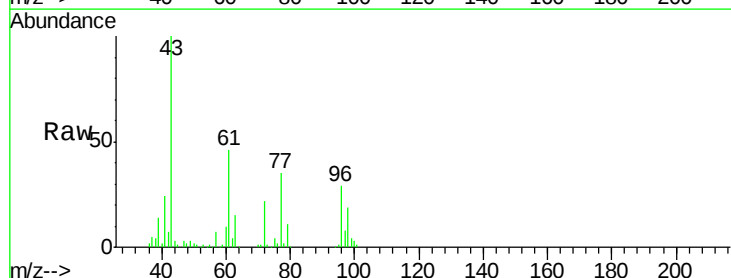
Acq: 1 May 2020 19:46

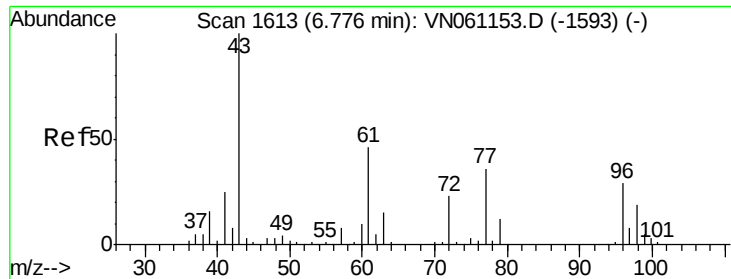
Tgt Ion: 77 Resp: 101110

Ion Ratio Lower Upper

77 100

97 21.4 10.5 31.5





#27

cis-1,2-Dichloroethene

Concen: 52.568 ug/l

RT: 6.78 min Scan# 1614

Delta R.T. 0.00 min

Lab File: VN061242.D

Acq: 1 May 2020 19:46

Instrument :

MSVOA_N

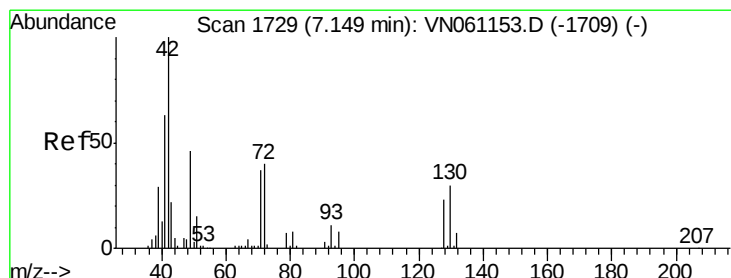
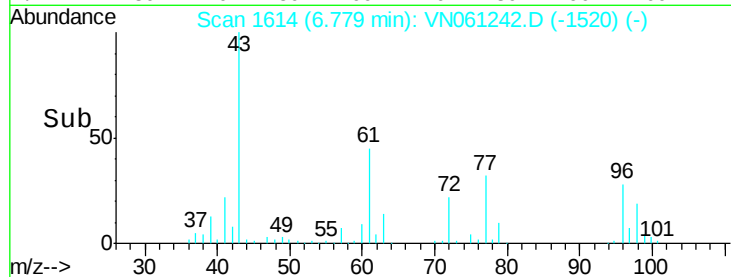
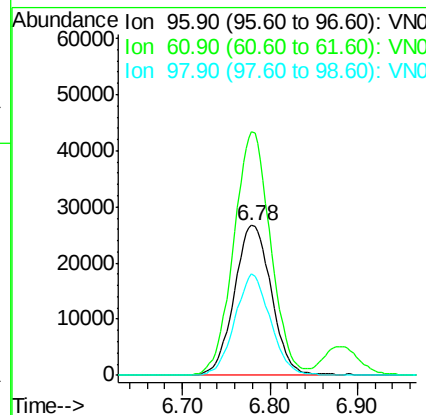
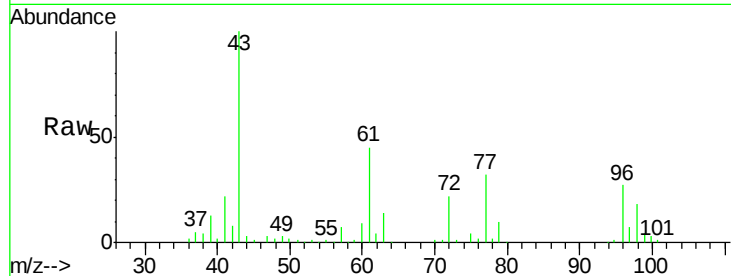
ClientSampleId :

BP-VPB180-GW-803-805MS

Tot Ion:	96	Resp:	78776
Ion	Ratio	Lower	Upper
96	100		
61	160.4	0.0	322.0
98	64.4	0.0	129.6

Manual Integrations
APPROVED

MMDadoda
5/4/2020 2:58:02 PM



#28

Bromochloromethane

Concen: 55.105 ug/l

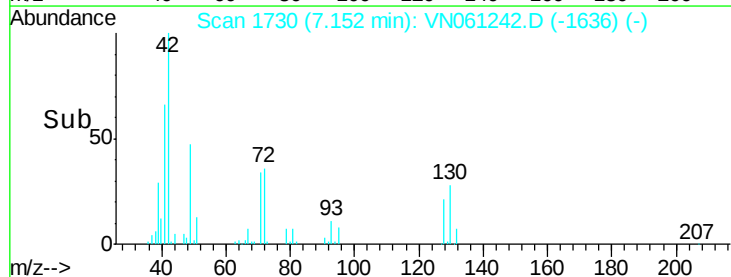
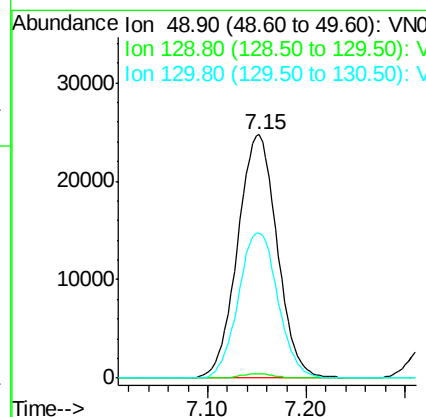
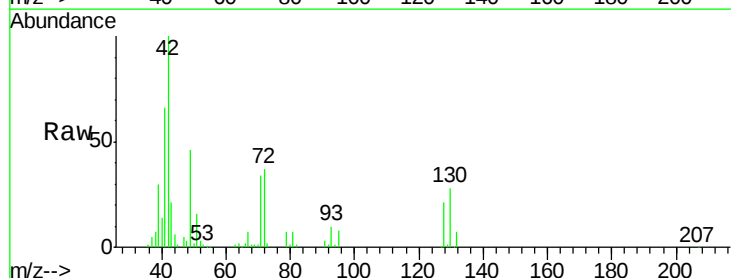
RT: 7.15 min Scan# 1730

Delta R.T. 0.00 min

Lab File: VN061242.D

Acq: 1 May 2020 19:46

Tgt Ion:	49	Resp:	68810
Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.0
130	59.7	51.4	77.2





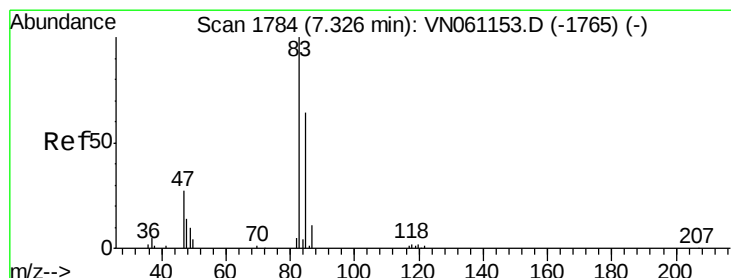
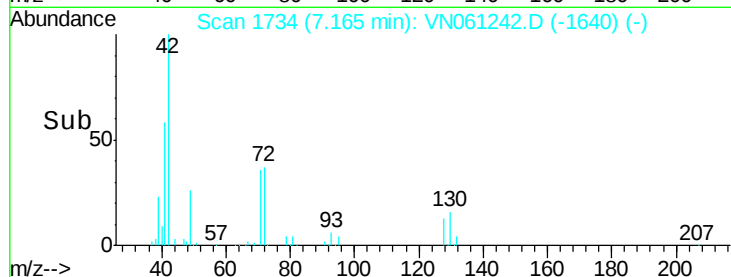
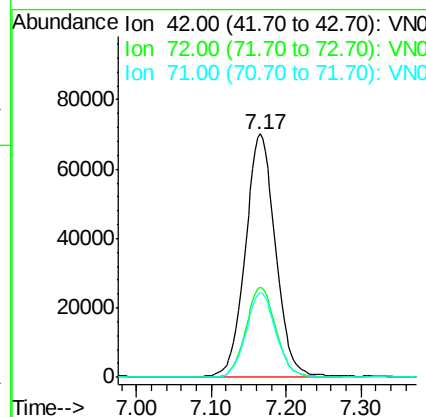
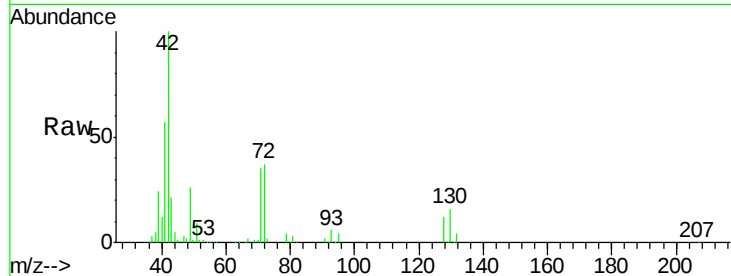
#29
Tetrahydrofuran
Concen: 281.134 ug/l
RT: 7.17 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN061242.D
Acq: 1 May 2020 19:46

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

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.9	31.4	47.0
71	34.4	29.5	44.3

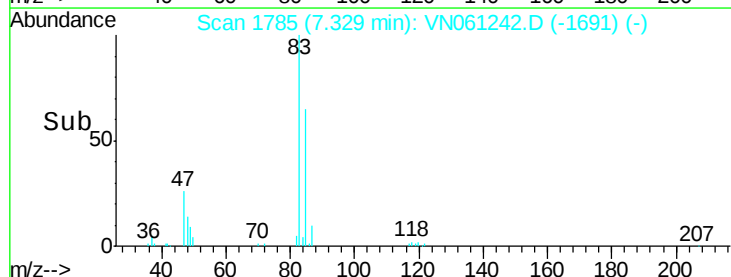
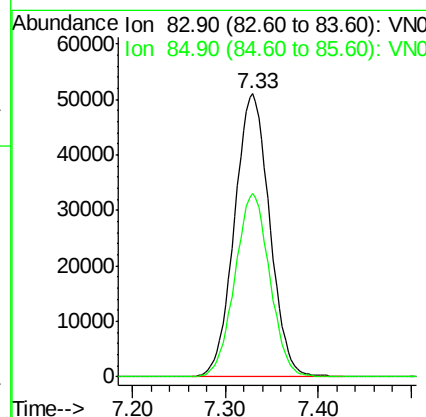
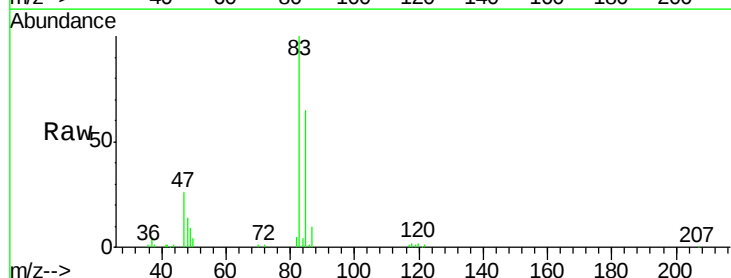
Manual Integrations
APPROVED

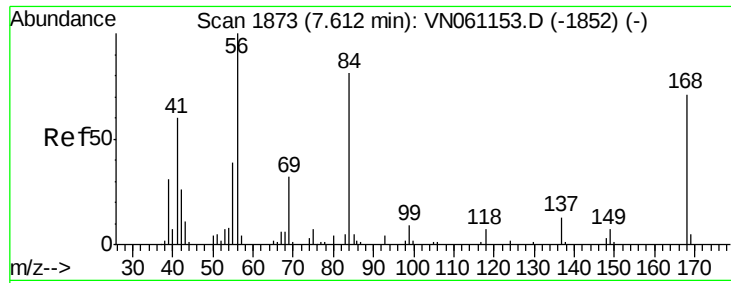
MMDadoda
5/4/2020 2:58:02 PM



#30
Chloroform
Concen: 50.324 ug/l
RT: 7.33 min Scan# 1785
Delta R.T. 0.00 min
Lab File: VN061242.D
Acq: 1 May 2020 19:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.1	76.7





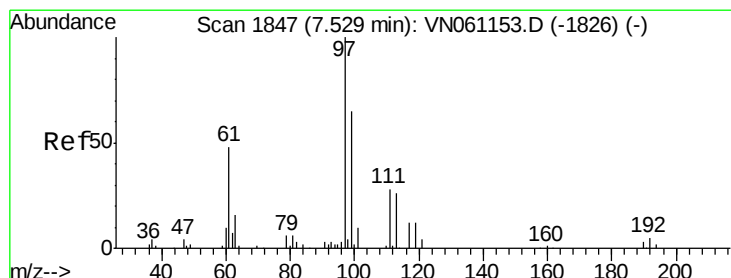
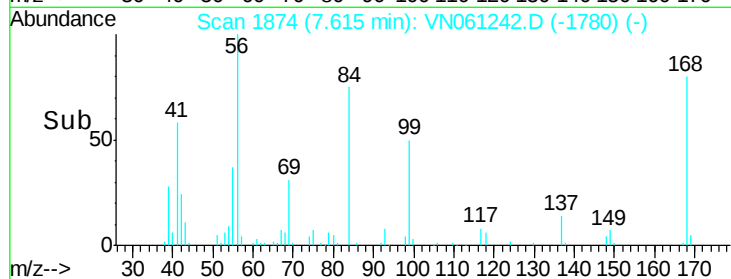
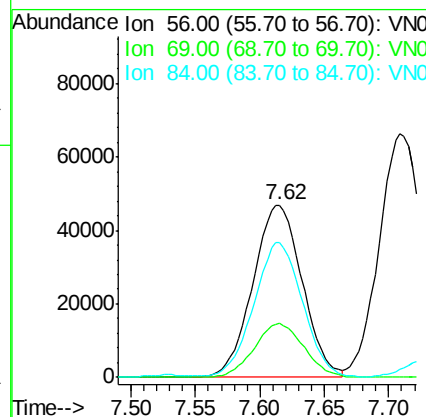
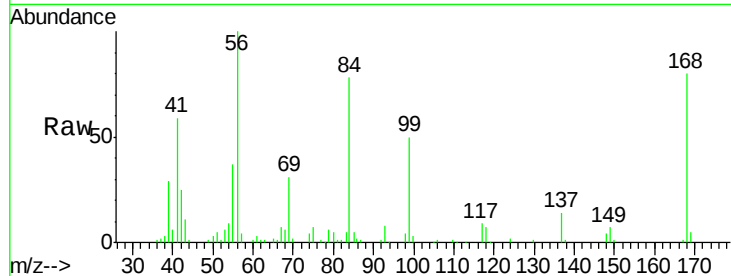
#31
Cyclohexane
Concen: 48.853 ug/l
RT: 7.62 min Scan# 1874
Delta R.T. 0.00 min
Lab File: VN061242.D
Acq: 1 May 2020 19:46

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

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.2	25.7	38.5
84	77.3	64.6	97.0

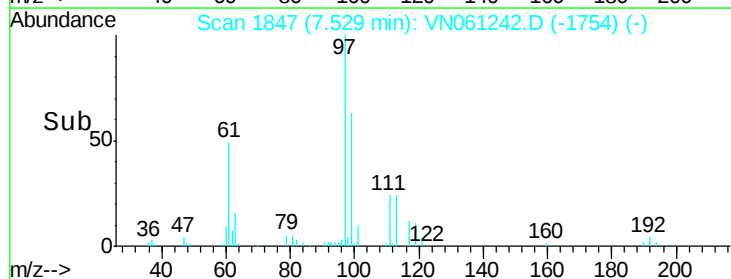
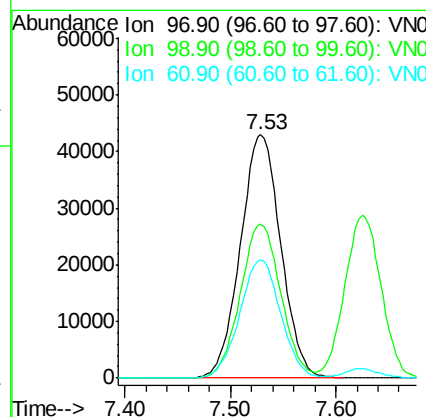
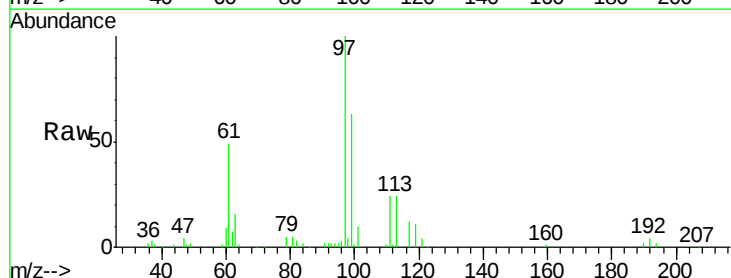
Manual Integrations
APPROVED

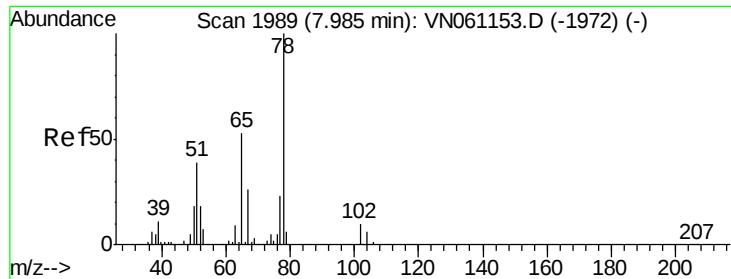
MMDadoda
5/4/2020 2:58:02 PM



#32
1,1,1-Trichloroethane
Concen: 49.294 ug/l
RT: 7.53 min Scan# 1847
Delta R.T. 0.00 min
Lab File: VN061242.D
Acq: 1 May 2020 19:46

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.3	76.9
61	49.1	38.6	57.8





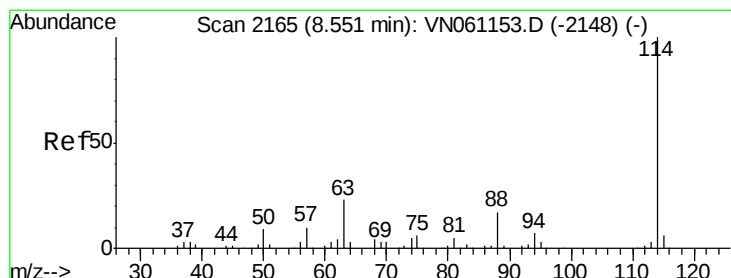
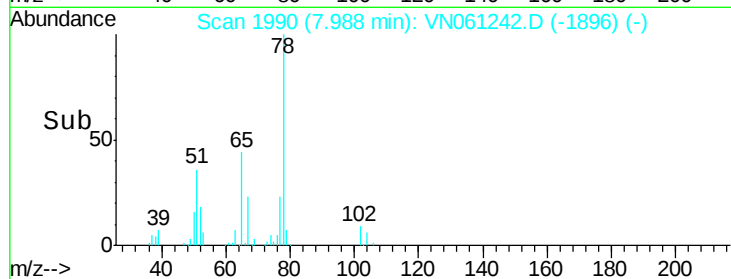
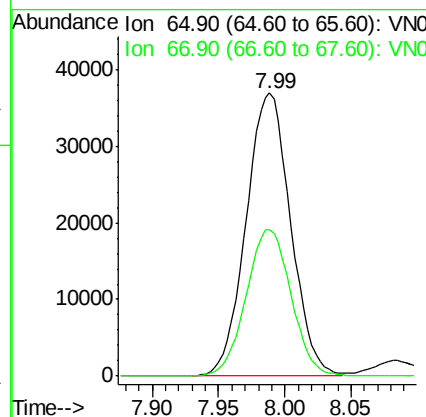
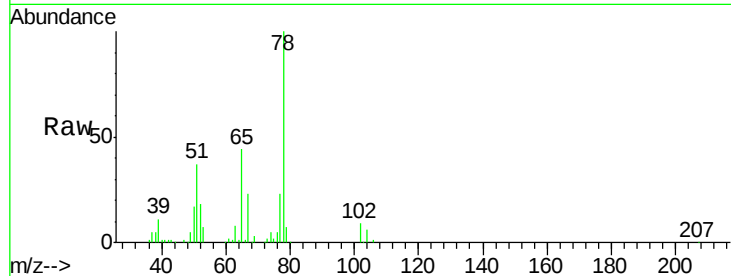
#33
 1,2-Dichloroethane-d4
 Concen: 48.964 ug/l
 RT: 7.99 min Scan# 1990
 Delta R.T. 0.00 min
 Lab File: VN061242.D
 Acq: 1 May 2020 19:46

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

Tot Ion	Ratio	Resp	Lower	Upper
65	100	86115		
67	52.3	0.0	101.6	

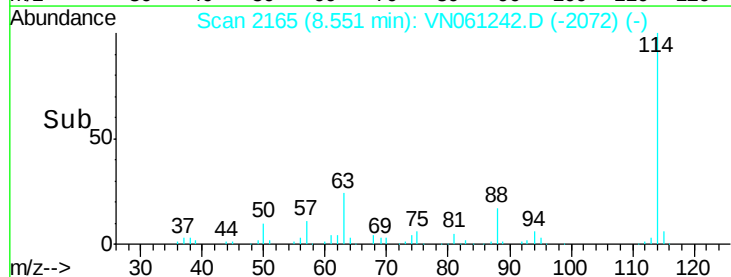
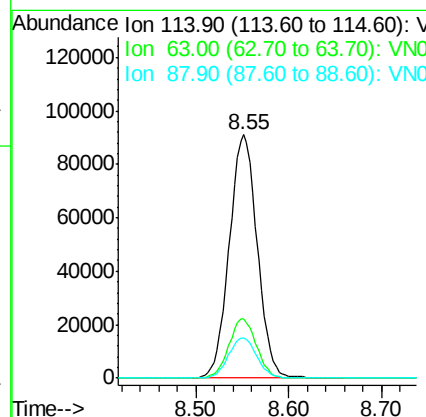
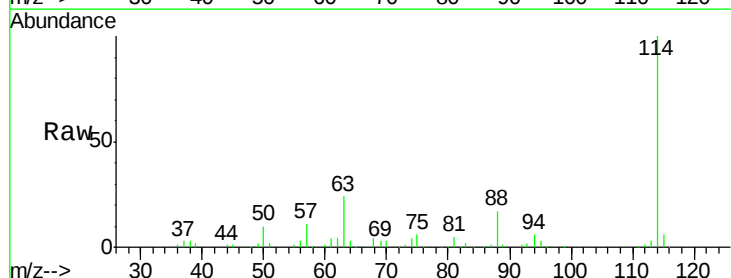
Manual Integrations
 APPROVED

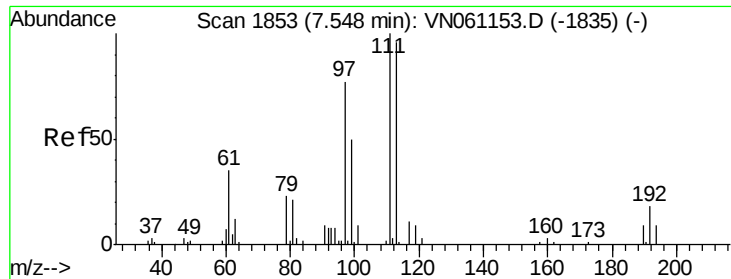
MMDadoda
 5/4/2020 2:58:02 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VN061242.D
 Acq: 1 May 2020 19:46

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	189834		
63	24.2	0.0	46.6	
88	16.7	0.0	33.4	





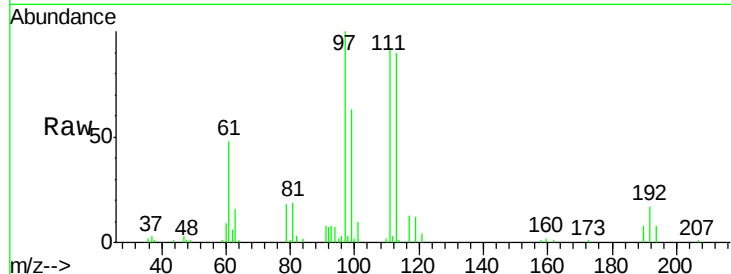
#35
Dibromofluoromethane
Concen: 47.630 ug/l
RT: 7.55 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VN061242.D
Acq: 1 May 2020 19:46

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

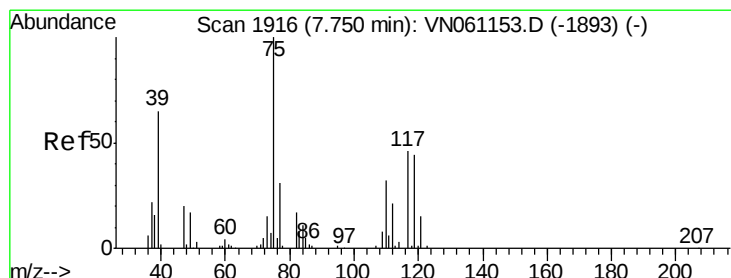
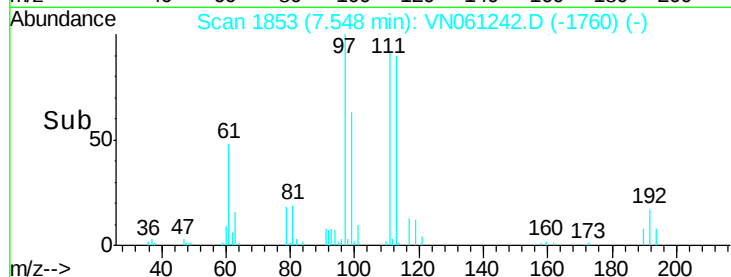
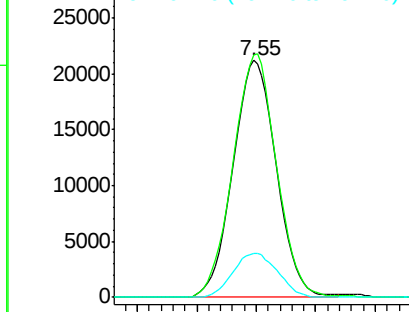
Tot Ion	Ratio	Resp	Lower	Upper
113	100	53466		
111	102.9	82.9	124.3	
192	19.0	14.7	22.1	

Manual Integrations
APPROVED

MMDadoda
5/4/2020 2:58:02 PM

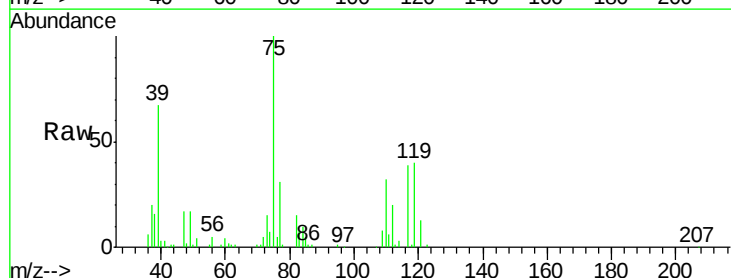


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

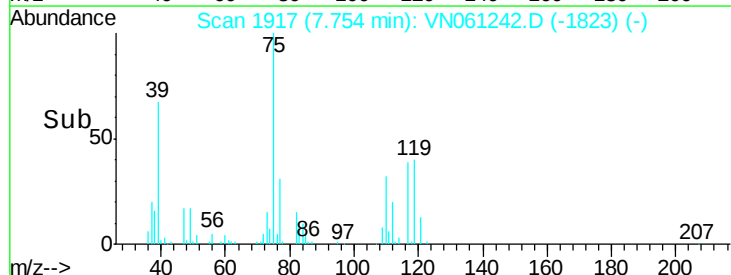
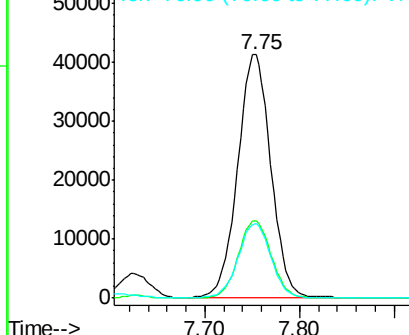


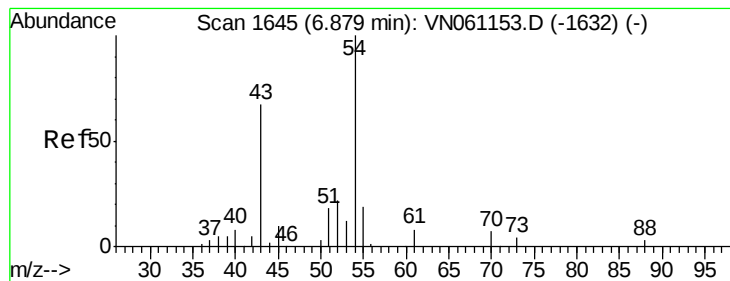
#36
1,1-Dichloropropene
Concen: 53.054 ug/l
RT: 7.75 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VN061242.D
Acq: 1 May 2020 19:46

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	100819		
110	31.5	16.0	48.0	
77	30.3	24.6	37.0	



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V





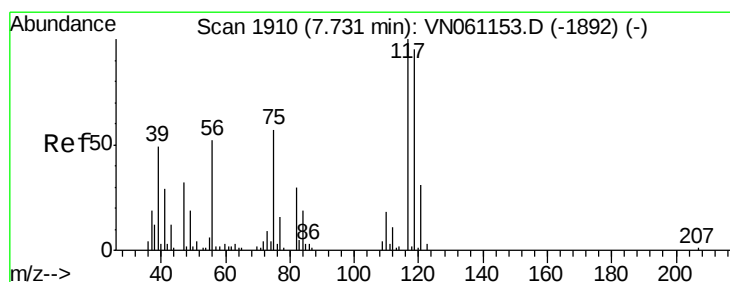
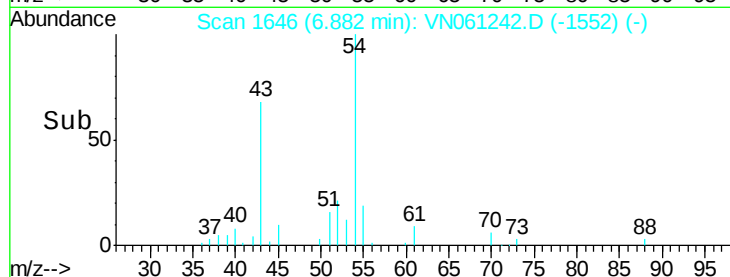
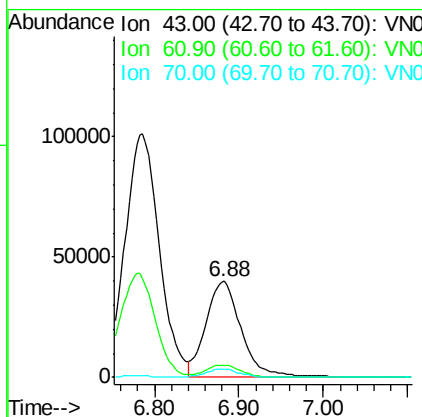
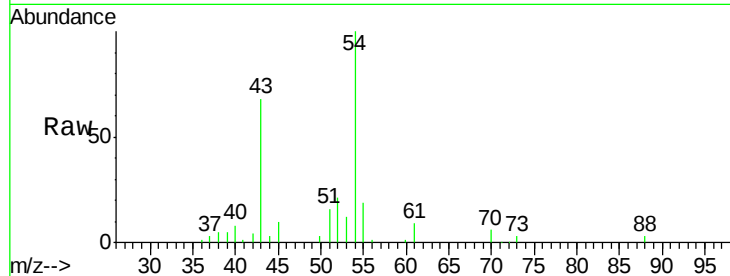
#37
Ethyl Acetate
Concen: 51.326 ug/l
RT: 6.88 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VN061242.D
Acq: 1 May 2020 19:46

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

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.2	15.2
70	8.5	7.2	10.8

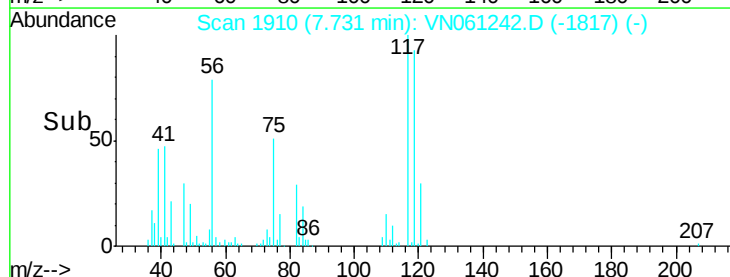
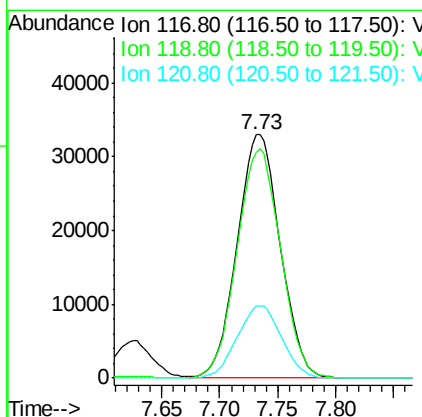
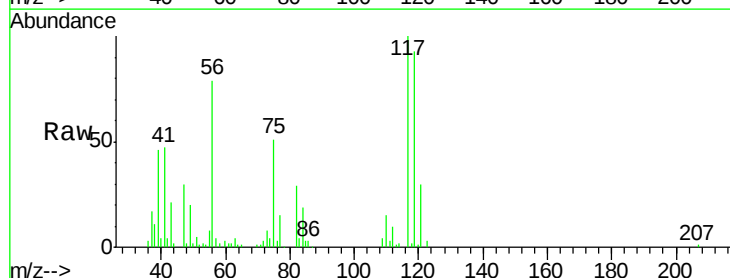
Manual Integrations
APPROVED

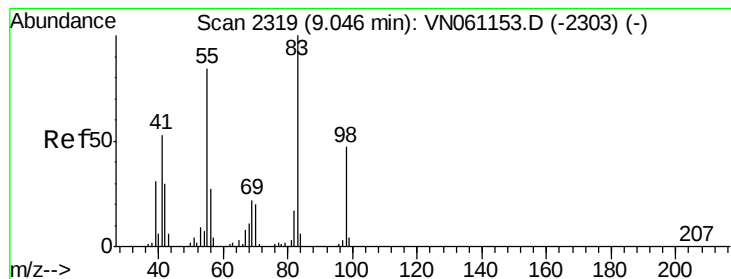
MMDadoda
5/4/2020 2:58:02 PM



#38
Carbon Tetrachloride
Concen: 49.307 ug/l
RT: 7.73 min Scan# 1910
Delta R.T. 0.00 min
Lab File: VN061242.D
Acq: 1 May 2020 19:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.9	75.8	113.6
121	29.5	24.7	37.1





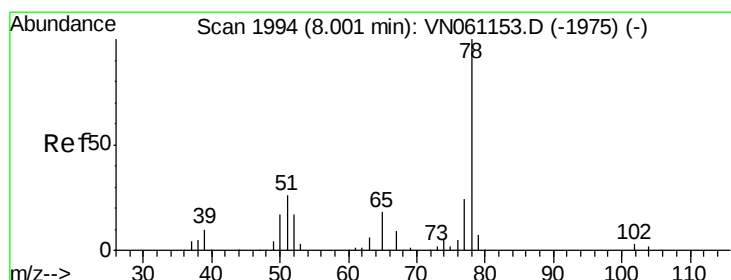
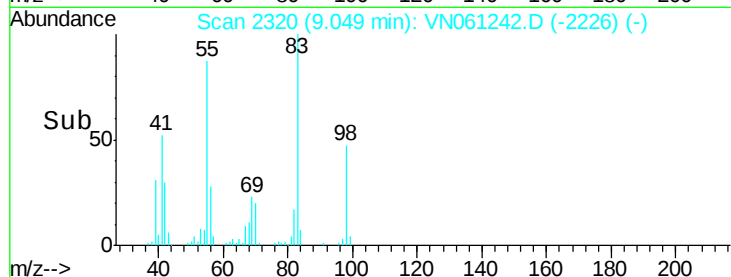
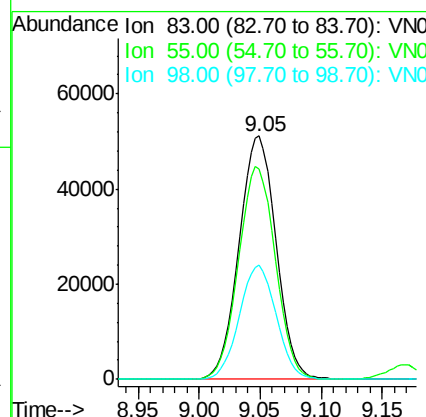
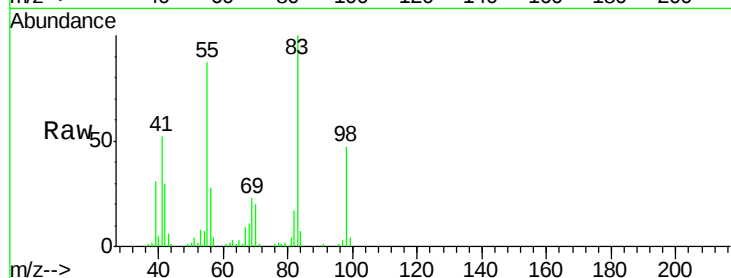
#39
Methvlcvclohexane
Concen: 50.504 ug/l
RT: 9.05 min Scan# 2320
Delta R.T. 0.00 min
Lab File: VN061242.D
Acq: 1 May 2020 19:46

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

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	86.6	67.3	100.9	
98	46.9	37.7	56.5	

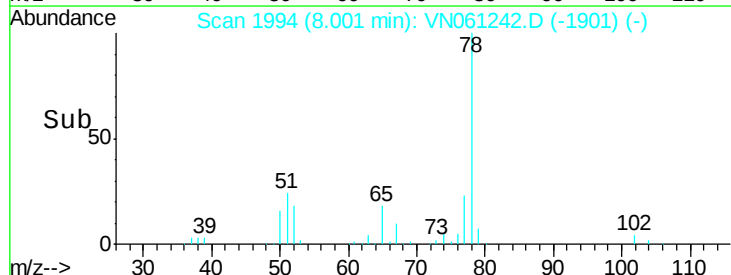
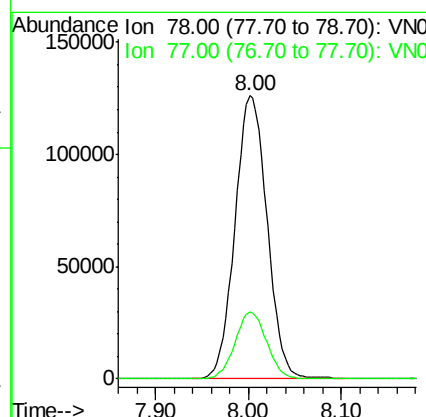
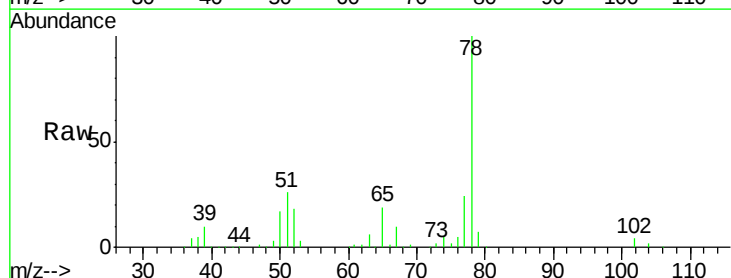
Manual Integrations
APPROVED

MMDadoda
5/4/2020 2:58:02 PM



#40
Benzene
Concen: 53.529 ug/l
RT: 8.00 min Scan# 1994
Delta R.T. 0.00 min
Lab File: VN061242.D
Acq: 1 May 2020 19:46

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





#41

Methacrylonitrile

Concen: 60.466 ug/l

RT: 7.13 min Scan# 1722

Delta R.T. 0.00 min

Lab File: VN061242.D

Acq: 1 May 2020 19:46

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB180-GW-803-805MS

Tot Ion: 41 Resp: 55930

Ion Ratio Lower Upper

41 100

39 54.8 0.0 0.0#

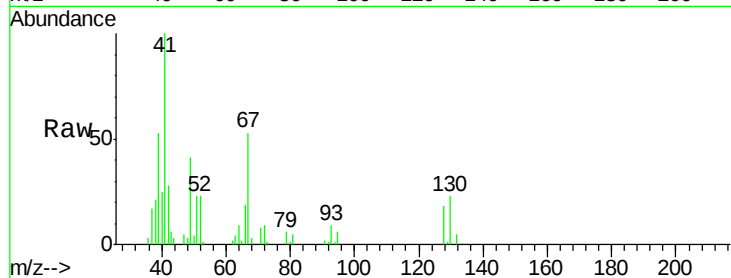
67 74.4 0.0 0.0#

52 32.9 0.0 0.0#

Manual Integrations
APPROVED

MMDadoda

5/4/2020 2:58:02 PM

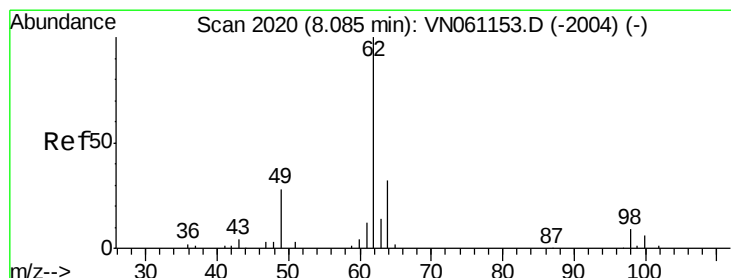
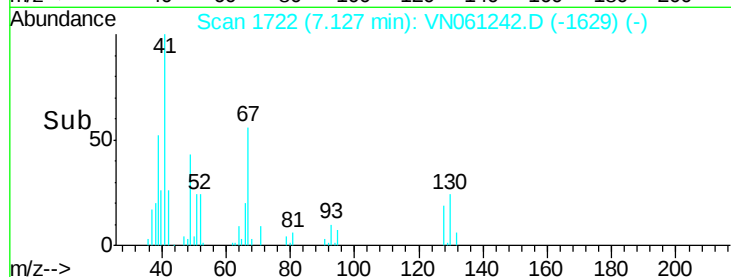
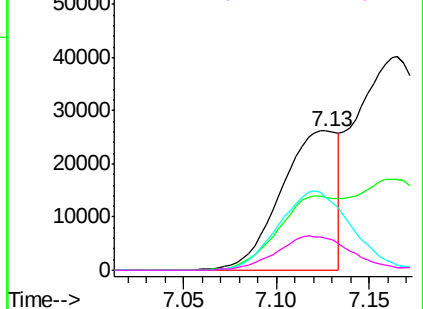


Abundance Ion 41.00 (40.70 to 41.70): VN061153.D (-1696) (-)

Ion 39.00 (38.70 to 39.70): VN061153.D (-1696) (-)

Ion 67.00 (66.70 to 67.70): VN061153.D (-1696) (-)

Ion 52.00 (51.70 to 52.70): VN061153.D (-1696) (-)



#42

1,2-Dichloroethane

Concen: 51.212 ug/l

RT: 8.08 min Scan# 2020

Delta R.T. 0.00 min

Lab File: VN061242.D

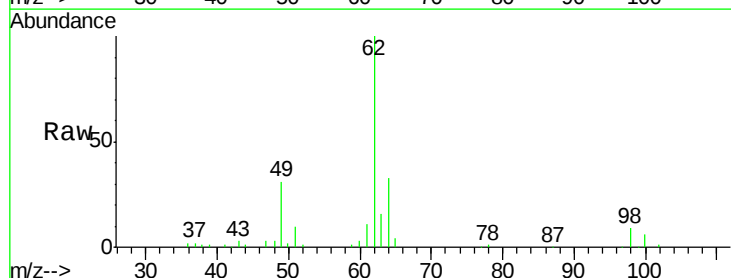
Acq: 1 May 2020 19:46

Tgt Ion: 62 Resp: 109839

Ion Ratio Lower Upper

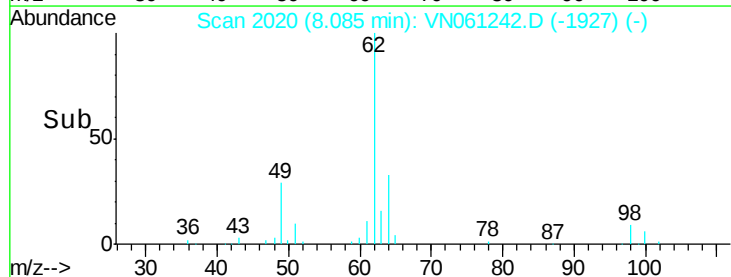
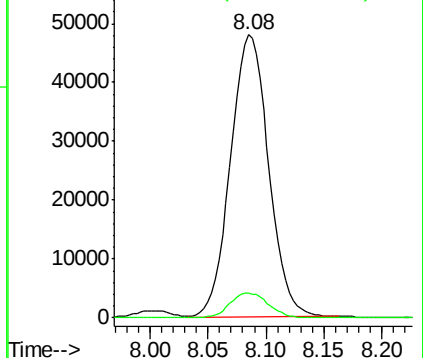
62 100

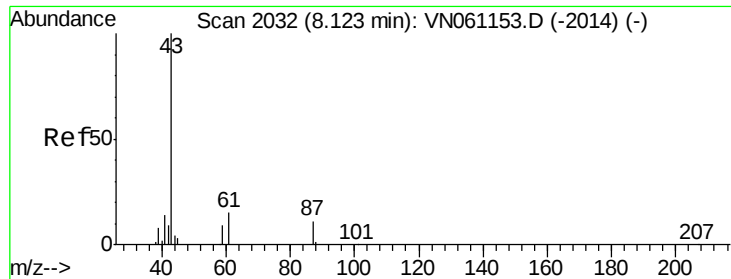
98 8.9 0.0 16.8



Abundance Ion 61.90 (61.60 to 62.60): VN061153.D (-2004) (-)

Ion 97.90 (97.60 to 98.60): VN061153.D (-2004) (-)





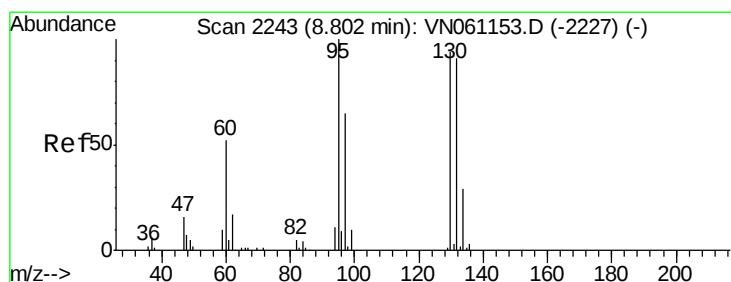
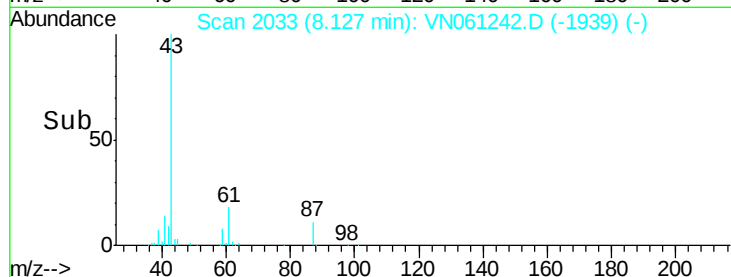
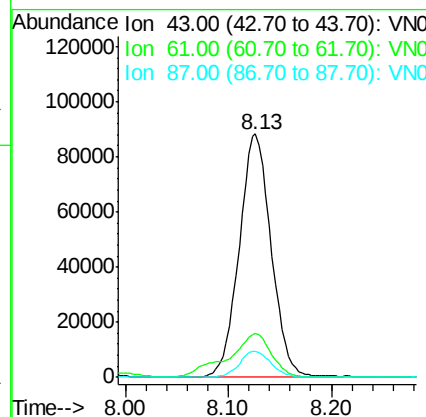
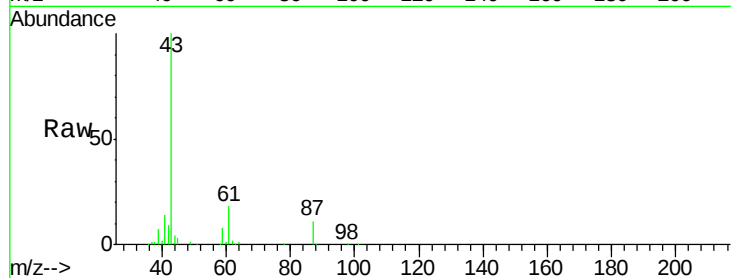
#43
Isopropyl Acetate
Concen: 51.584 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN061242.D
Acq: 1 May 2020 19:46

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

Tot Ion:	43	Resp:	190724
Ion	Ratio	Lower	Upper
43	100		
61	24.4	19.5	29.3
87	10.6	8.9	13.3

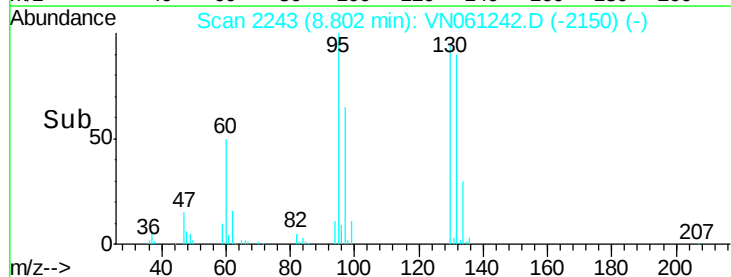
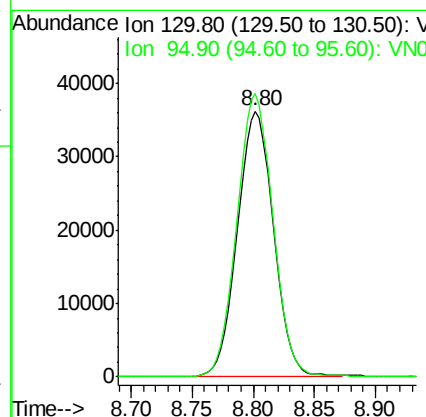
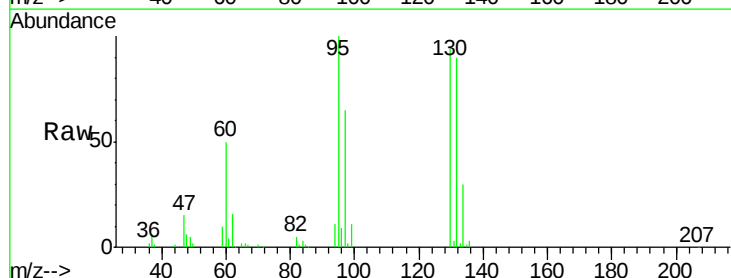
Manual Integrations
APPROVED

MMDadoda
5/4/2020 2:58:02 PM



#44
Trichloroethene
Concen: 48.699 ug/l
RT: 8.80 min Scan# 2243
Delta R.T. 0.00 min
Lab File: VN061242.D
Acq: 1 May 2020 19:46

Tgt Ion:	130	Resp:	74533
Ion	Ratio	Lower	Upper
130	100		
95	106.4	0.0	212.4





#45

1,2-Dichloropropane

Concen: 55.233 ug/l

RT: 9.08 min Scan# 2331

Delta R.T. 0.00 min

Lab File: VN061242.D

Acq: 1 May 2020 19:46

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB180-GW-803-805MS

Tot Ion: 63 Resp: 83541

Ion Ratio Lower Upper

63 100

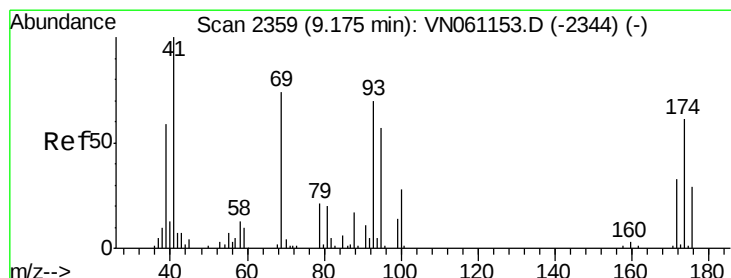
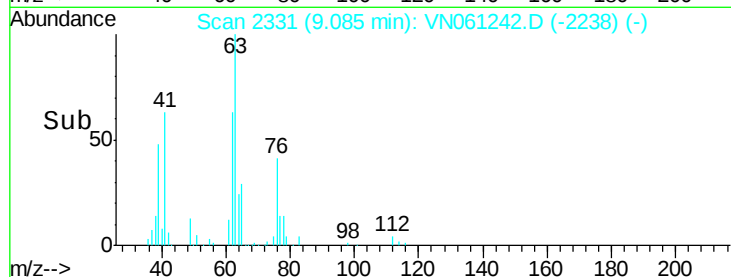
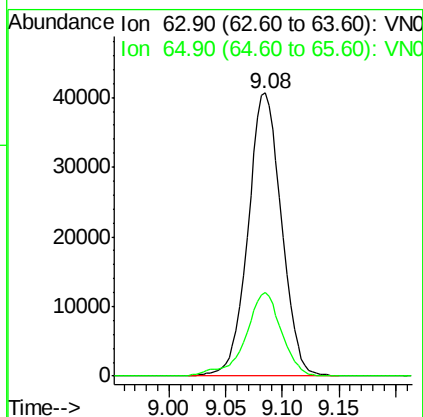
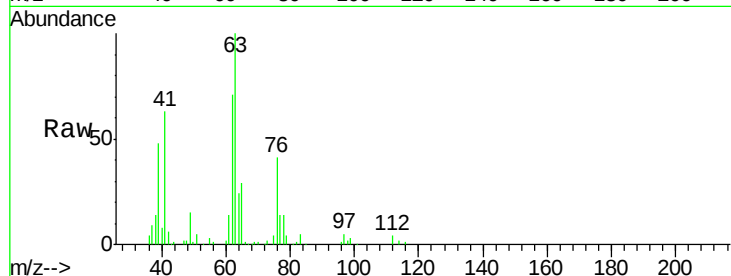
65 29.4 24.7 37.1

Manual Integrations

APPROVED

MMDadoda

5/4/2020 2:58:02 PM



#46

Dibromomethane

Concen: 53.195 ug/l

RT: 9.17 min Scan# 2359

Delta R.T. 0.00 min

Lab File: VN061242.D

Acq: 1 May 2020 19:46

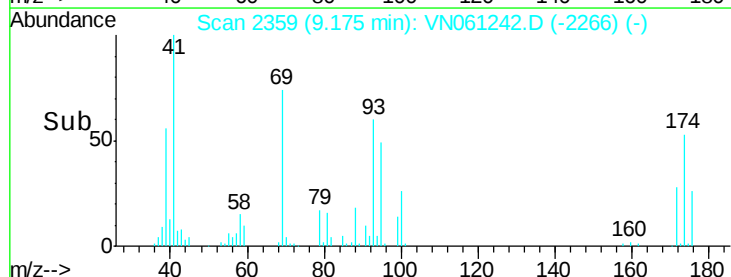
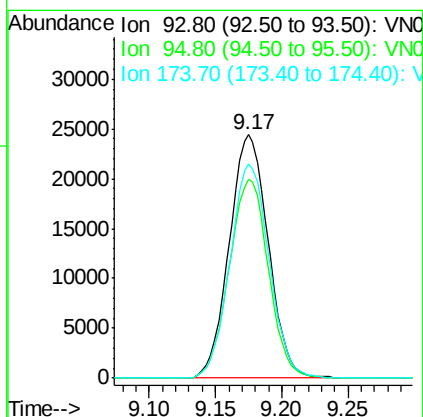
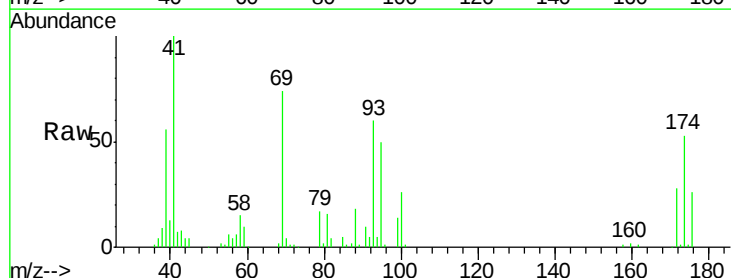
Tgt Ion: 93 Resp: 49818

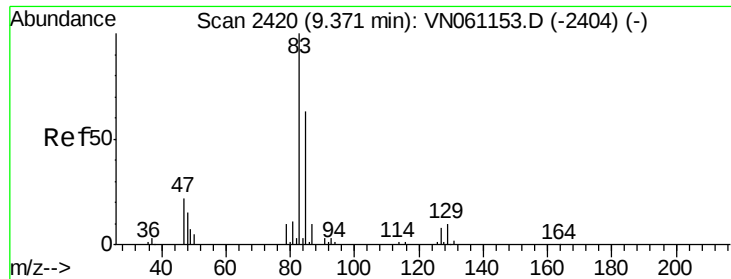
Ion Ratio Lower Upper

93 100

95 82.1 66.6 99.8

174 88.6 70.2 105.2





#47

Bromodichloromethane

Concen: 53.079 ug/l

RT: 9.37 min Scan# 2420

Delta R.T. 0.00 min

Lab File: VN061242.D

Acq: 1 May 2020 19:46

Instrument :

MSVOA_N

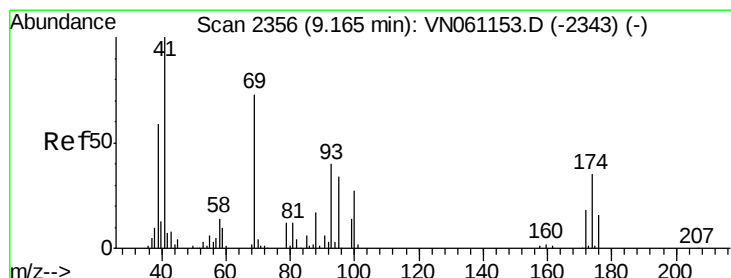
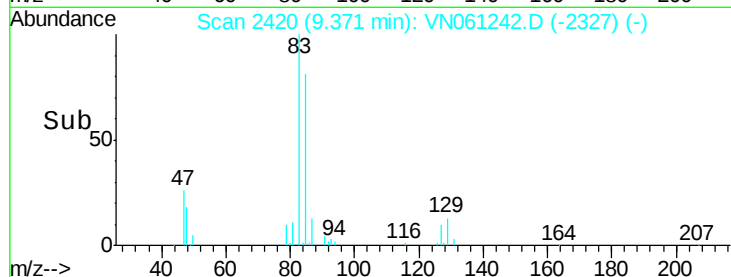
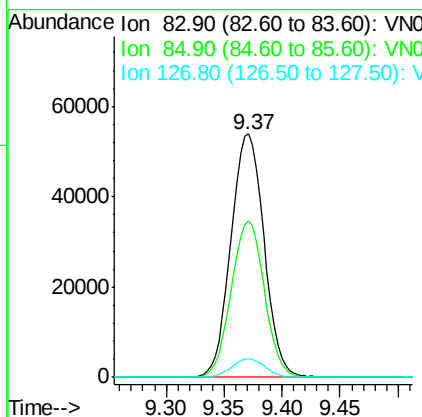
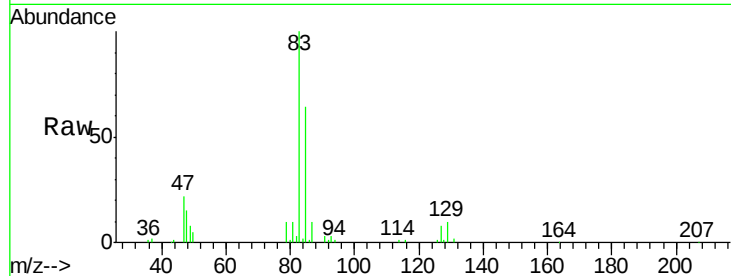
ClientSampleId :

BP-VPB180-GW-803-805MS

Tot Ion:	83	Resp:	106695
Ion	Ratio	Lower	Upper
83	100		
85	64.3	50.4	75.6
127	7.5	6.2	9.2

Manual Integrations
APPROVED

MMDadoda
5/4/2020 2:58:02 PM



#48

Methyl methacrylate

Concen: 55.159 ug/l

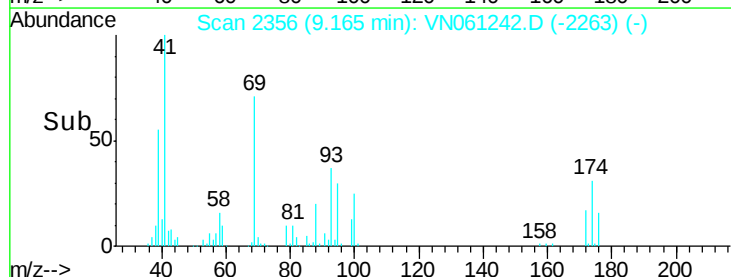
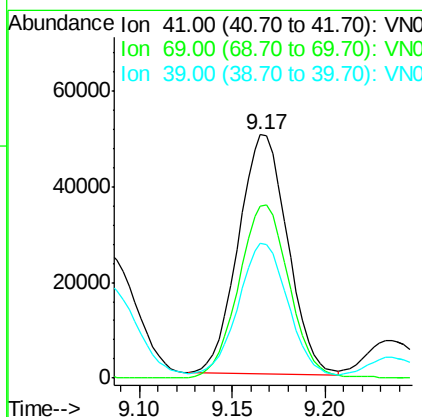
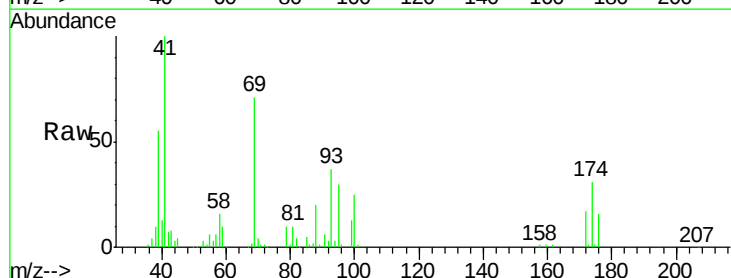
RT: 9.17 min Scan# 2356

Delta R.T. 0.00 min

Lab File: VN061242.D

Acq: 1 May 2020 19:46

Tgt Ion:	41	Resp:	92028
Ion	Ratio	Lower	Upper
41	100		
69	74.7	60.3	90.5
39	55.0	47.4	71.0





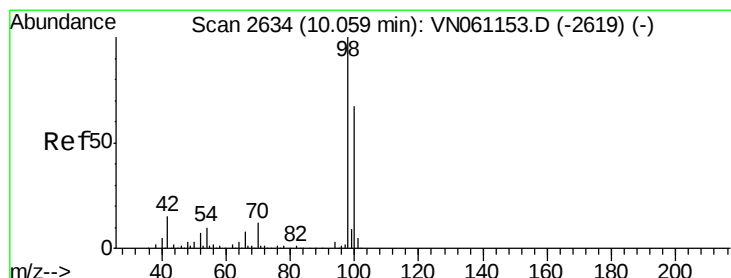
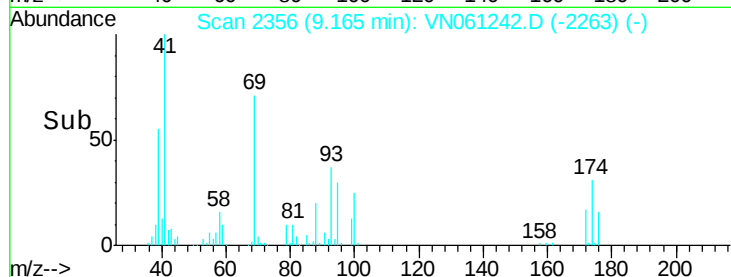
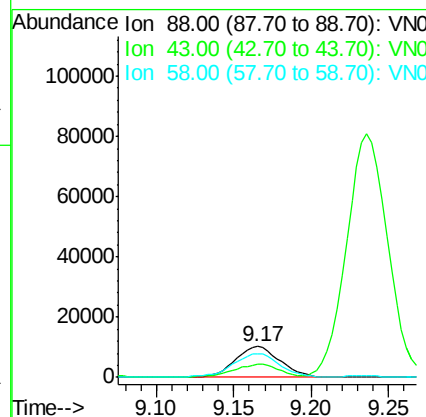
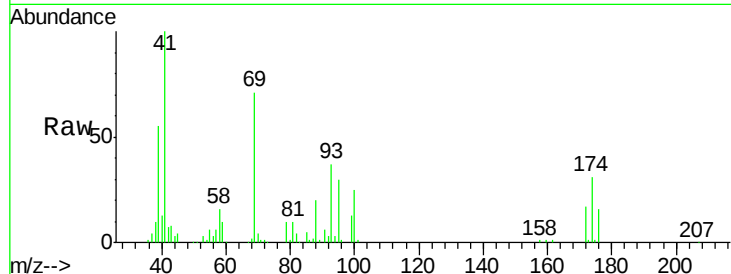
#49
1,4-Dioxane
Concen: 1083.923 ug/l
RT: 9.17 min Scan# 2356
Delta R.T. 0.00 min
Lab File: VN061242.D
Acq: 1 May 2020 19:46

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

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	44.9	35.3	52.9	
58	81.4	61.5	92.3	

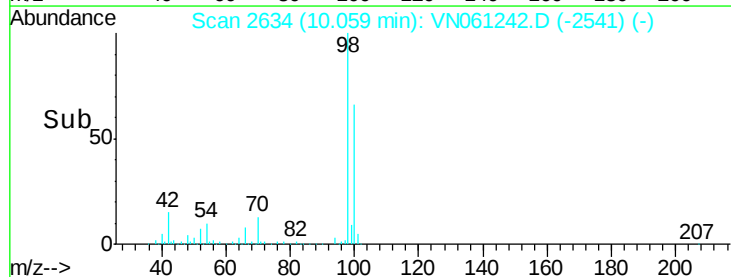
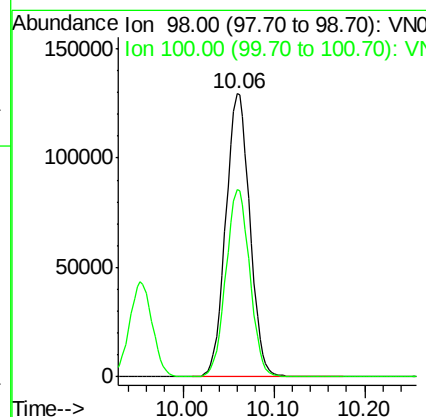
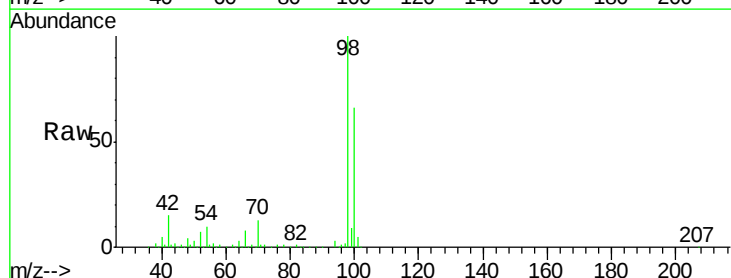
Manual Integrations
APPROVED

MMDadoda
5/4/2020 2:58:02 PM



#50
Toluene-d8
Concen: 52.067 ug/l
RT: 10.06 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VN061242.D
Acq: 1 May 2020 19:46

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	65.8	53.4	80.0	





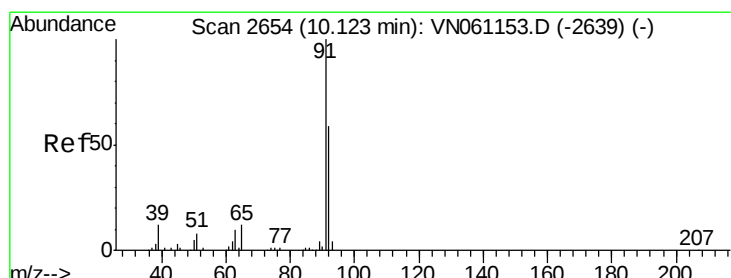
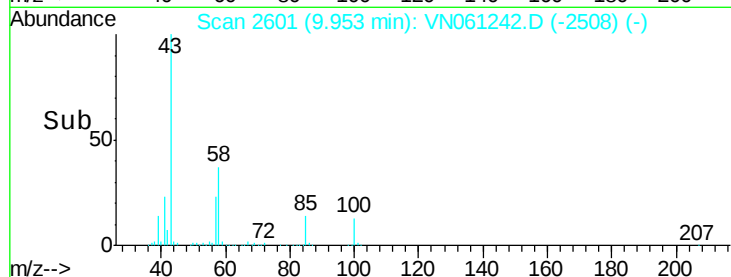
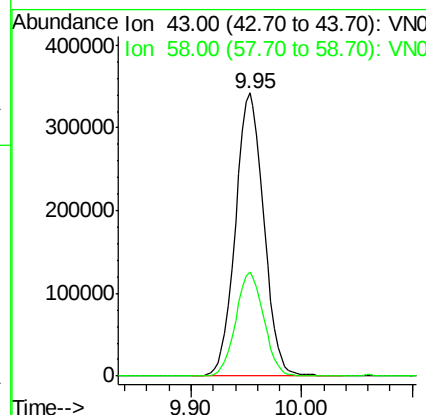
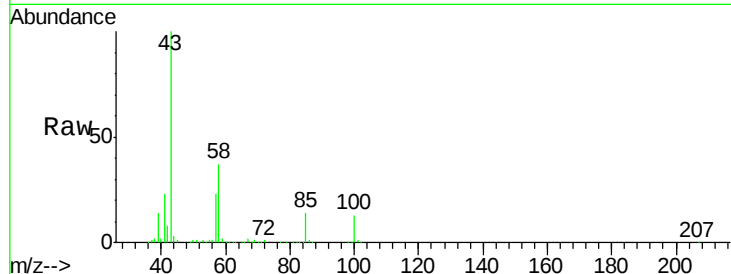
#51
4-Methyl-2-Pentanone
Concen: 279.425 ug/l
RT: 9.95 min Scan# 2601
Delta R.T. 0.00 min
Lab File: VN061242.D
Acq: 1 May 2020 19:46

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

Tot Ion	Ratio	Resp	Lower	Upper
43	100	608111		
58	36.5	29.1	43.7	

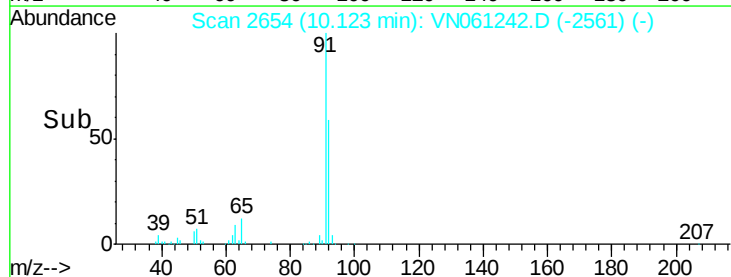
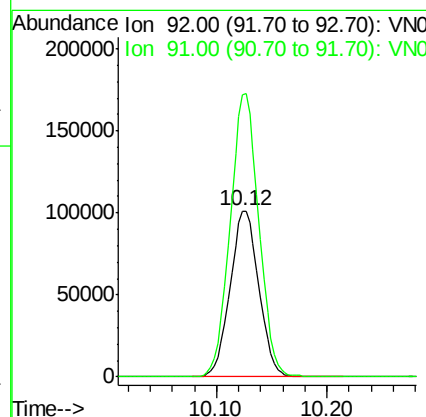
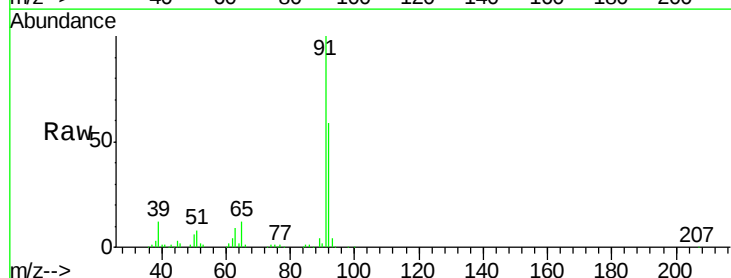
Manual Integrations
APPROVED

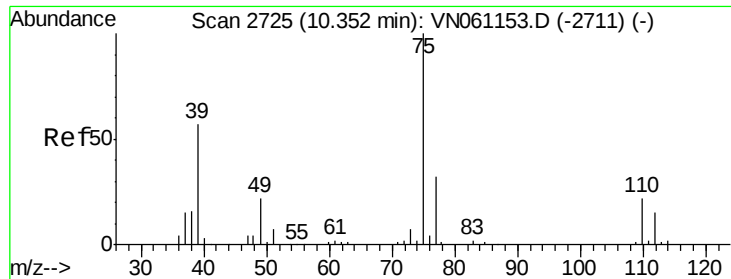
MMDadoda
5/4/2020 2:58:02 PM



#52
Toluene
Concen: 53.638 ug/l
RT: 10.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VN061242.D
Acq: 1 May 2020 19:46

Tgt Ion	Ratio	Resp	Lower	Upper
92	100	182911		
91	170.1	136.2	204.2	





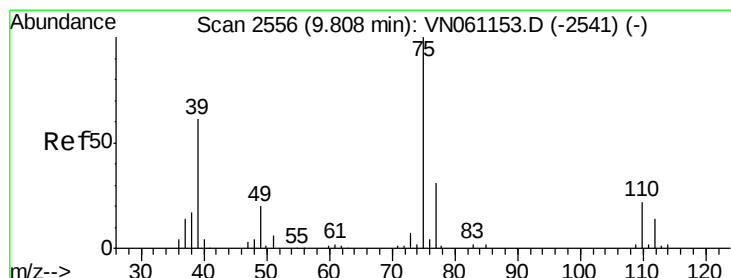
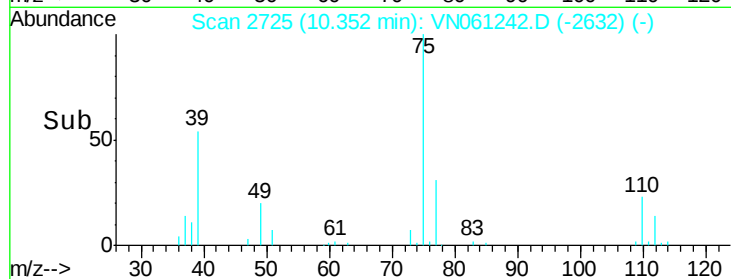
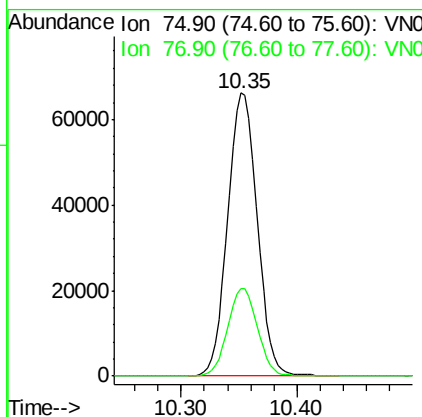
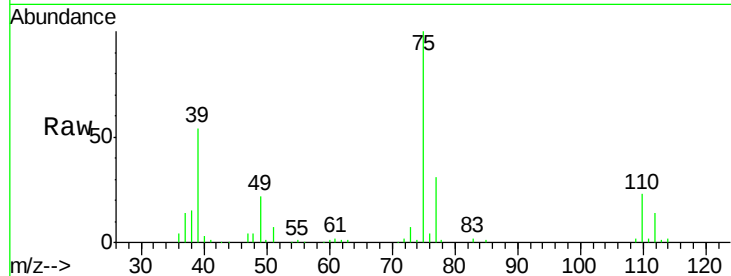
#53
 t-1,3-Dichloropropene
 Concen: 51.357 ug/l
 RT: 10.35 min Scan# 2725
 Delta R.T. 0.00 min
 Lab File: VN061242.D
 Acq: 1 May 2020 19:46

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

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.5	38.3

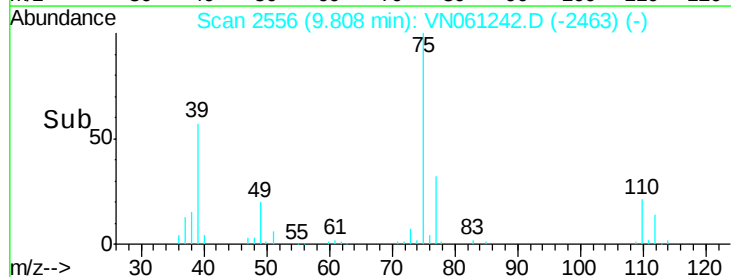
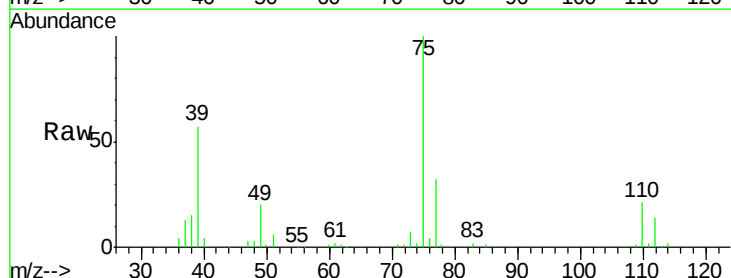
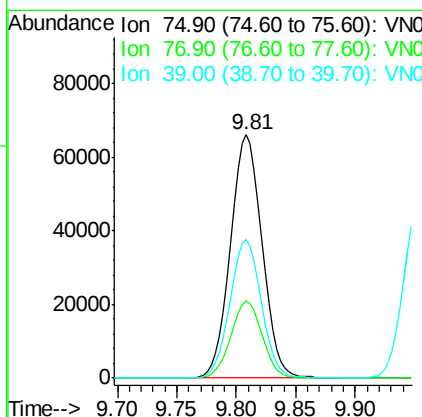
Manual Integrations
 APPROVED

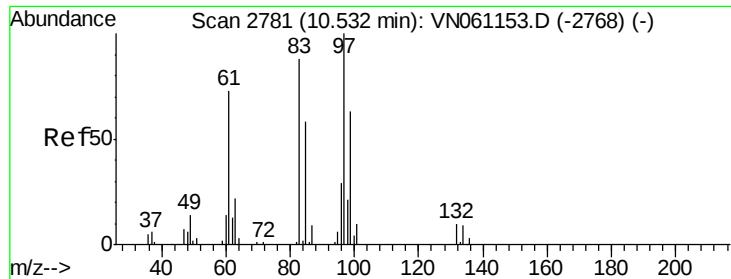
MMDadoda
 5/4/2020 2:58:02 PM



#54
 cis-1,3-Dichloropropene
 Concen: 50.864 ug/l
 RT: 9.81 min Scan# 2556
 Delta R.T. 0.00 min
 Lab File: VN061242.D
 Acq: 1 May 2020 19:46

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.0	37.4
39	57.0	48.7	73.1





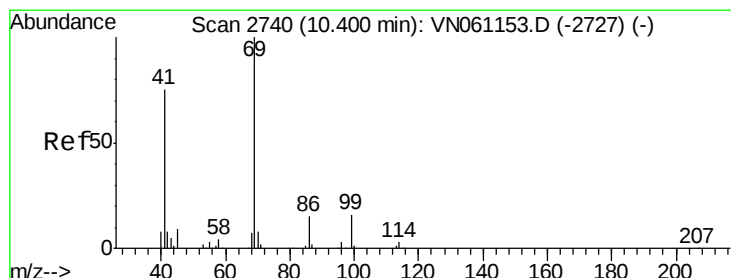
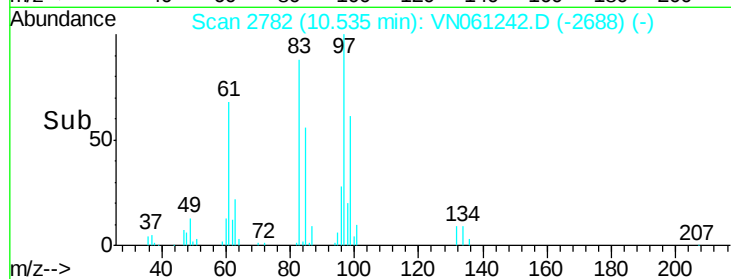
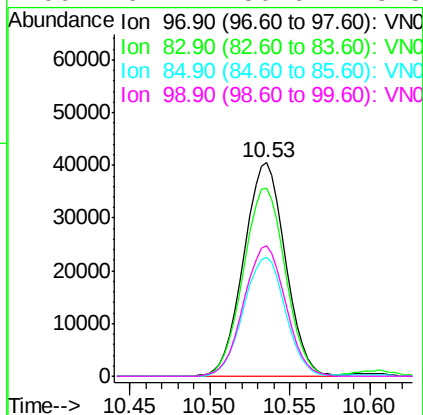
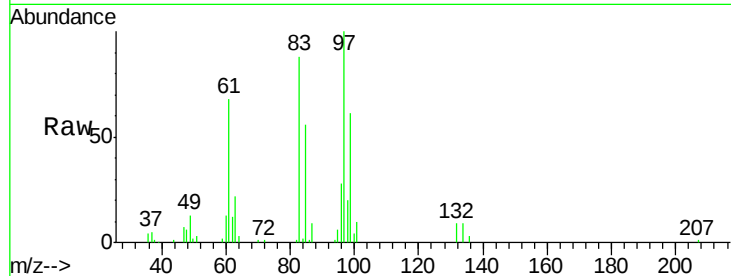
#55
 1,1,2-Trichloroethane
 Concen: 53.091 ug/l
 RT: 10.53 min Scan# 2782
 Delta R.T. 0.00 min
 Lab File: VN061242.D
 Acq: 1 May 2020 19:46

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

Tot Ion:	97	Resp:	72214
Ion	Ratio	Lower	Upper
97	100		
83	88.2	70.6	106.0
85	55.6	46.4	69.6
99	61.4	50.6	75.8

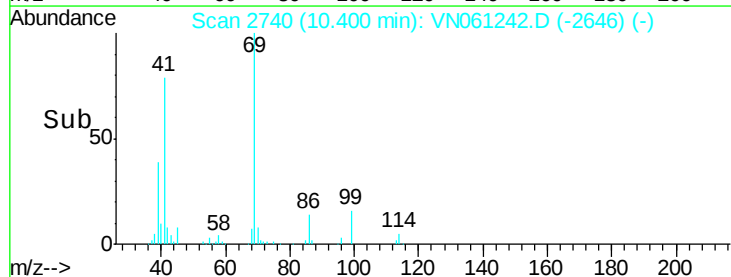
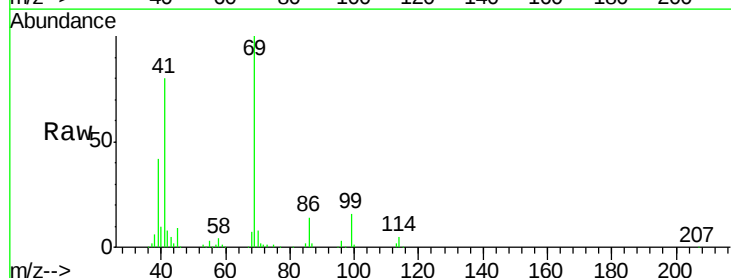
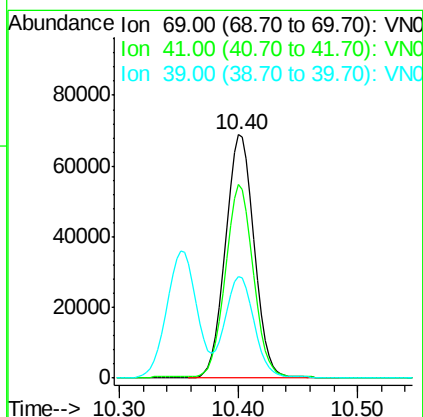
Manual Integrations
 APPROVED

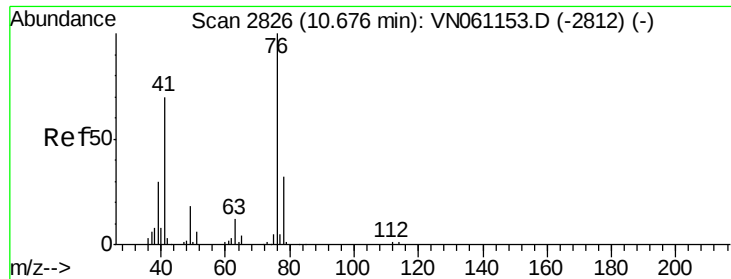
MMDadoda
 5/4/2020 2:58:02 PM



#56
 Ethyl methacrylate
 Concen: 48.730 ug/l
 RT: 10.40 min Scan# 2740
 Delta R.T. 0.00 min
 Lab File: VN061242.D
 Acq: 1 May 2020 19:46

Tgt Ion:	69	Resp:	115328
Ion	Ratio	Lower	Upper
69	100		
41	77.2	60.3	90.5
39	43.0	35.9	53.9





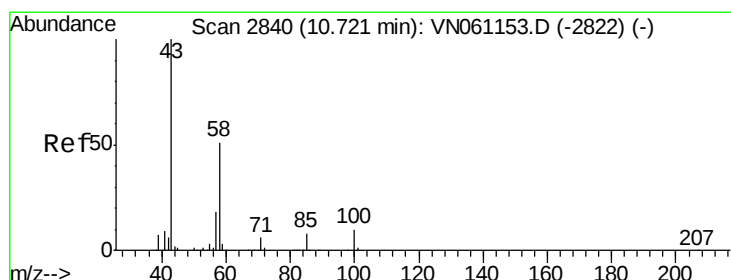
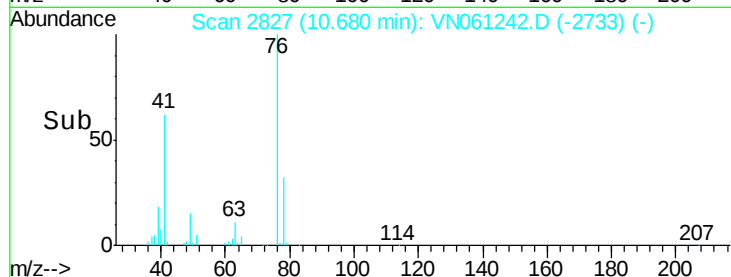
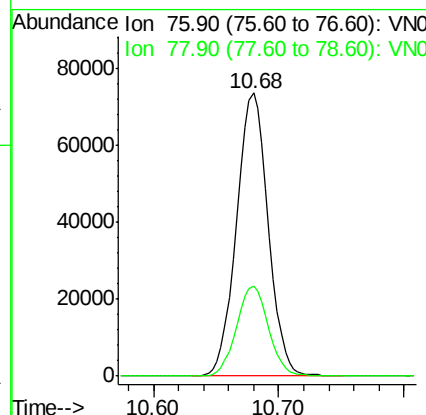
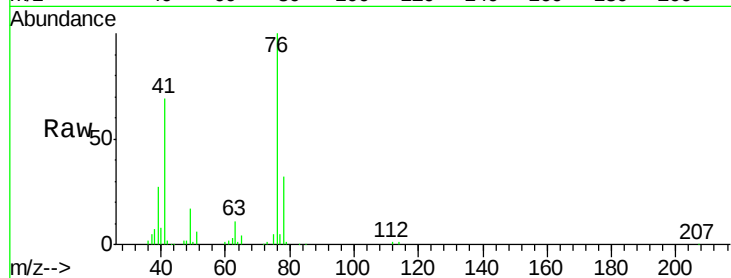
#57
 1,3-Dichloropropane
 Concen: 54.013 ug/l
 RT: 10.68 min Scan# 2827
 Delta R.T. 0.00 min
 Lab File: VN061242.D
 Acq: 1 May 2020 19:46

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

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.5	38.3

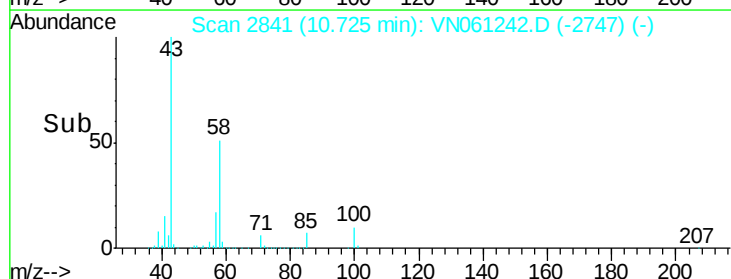
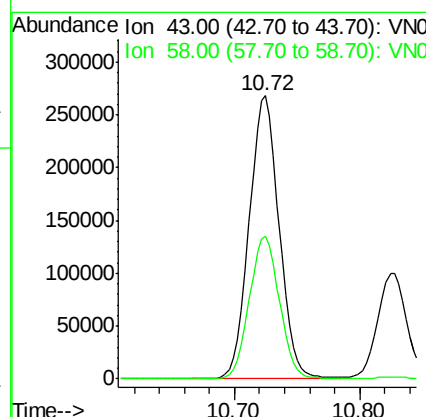
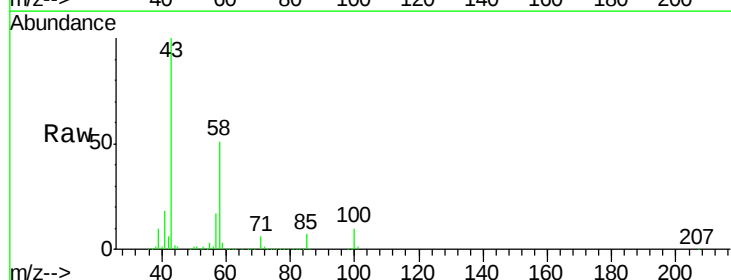
Manual Integrations
 APPROVED

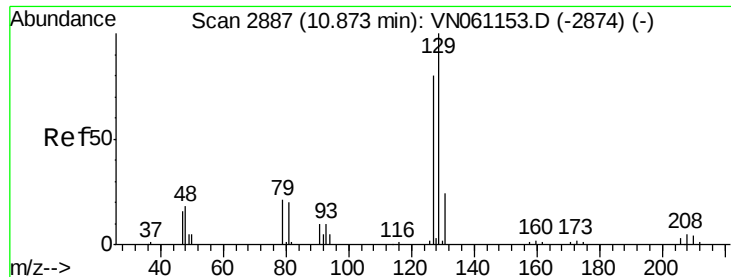
MMDadoda
 5/4/2020 2:58:02 PM



#59
 2-Hexanone
 Concen: 281.442 ug/l
 RT: 10.72 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VN061242.D
 Acq: 1 May 2020 19:46

Tgt Ion	Ratio	Lower	Upper
43	100		
58	50.8	25.4	76.4





#60

Dibromochloromethane

Concen: 51.570 ug/l

RT: 10.87 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VN061242.D

Acq: 1 May 2020 19:46

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB180-GW-803-805MS

Tot Ion:129 Resp: 73467

Ion Ratio Lower Upper

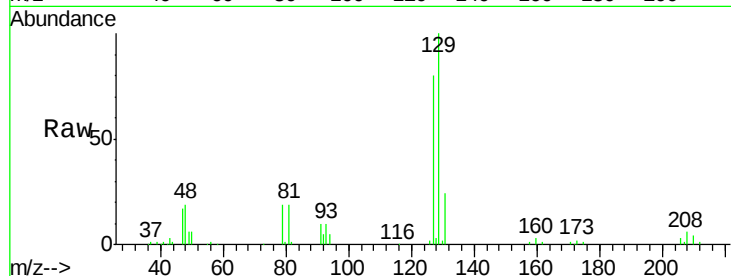
129 100

127 78.9 39.3 117.8

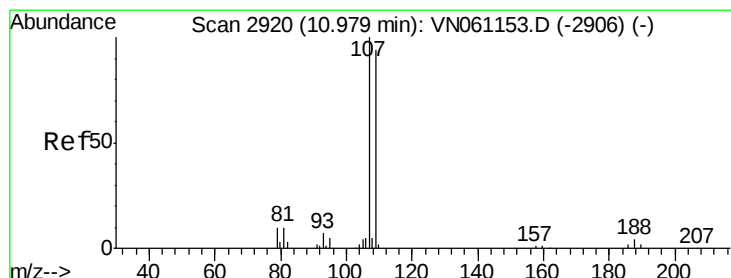
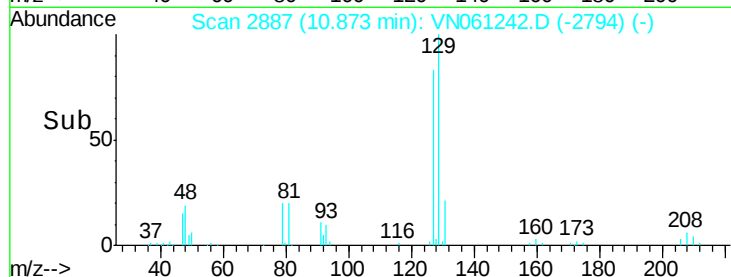
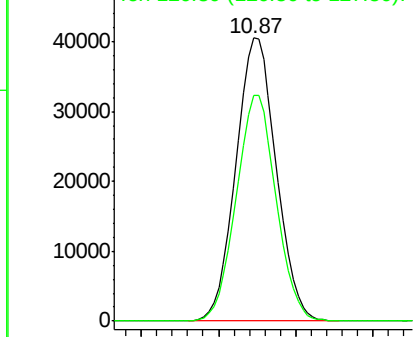
Manual Integrations
APPROVED

MMDadoda

5/4/2020 2:58:02 PM



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 52.799 ug/l

RT: 10.98 min Scan# 2920

Delta R.T. 0.00 min

Lab File: VN061242.D

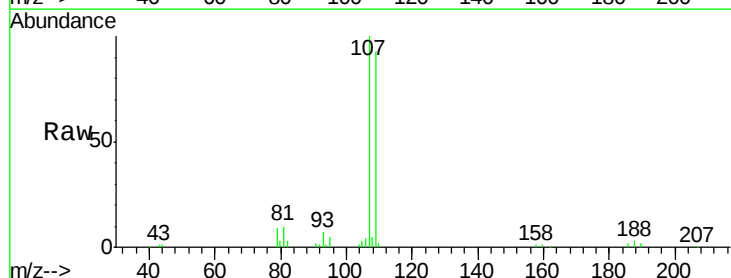
Acq: 1 May 2020 19:46

Tgt Ion:107 Resp: 71982

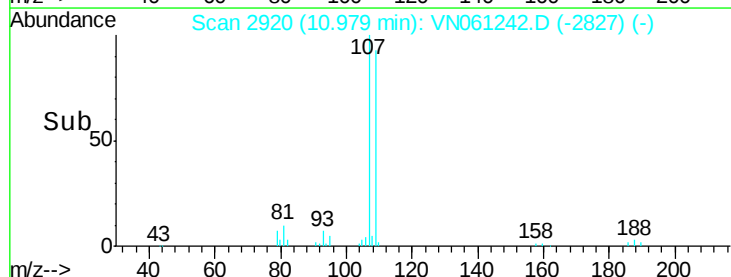
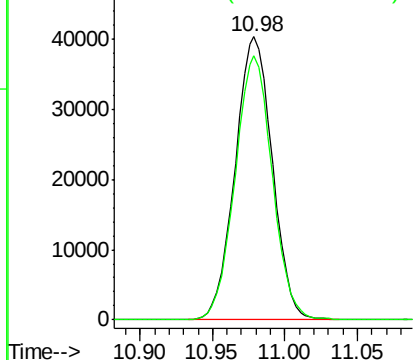
Ion Ratio Lower Upper

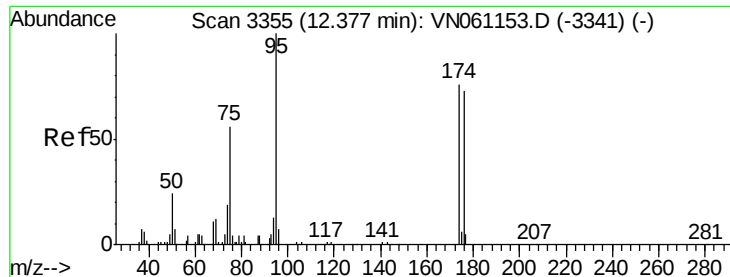
107 100

109 92.9 74.8 112.2



Abundance Ion 106.90 (106.60 to 107.60): V
Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 51.824 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN061242.D

Acq: 1 May 2020 19:46

Instrument :

MSVOA_N

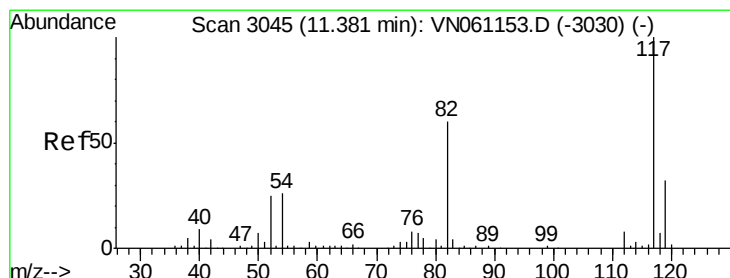
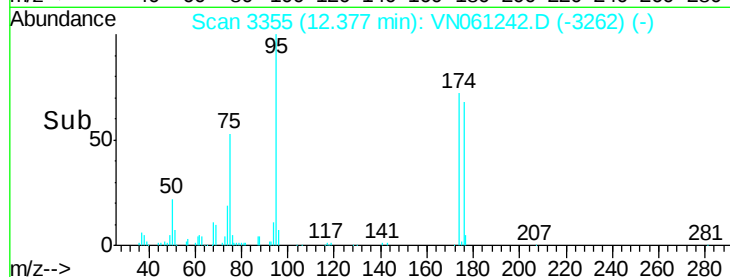
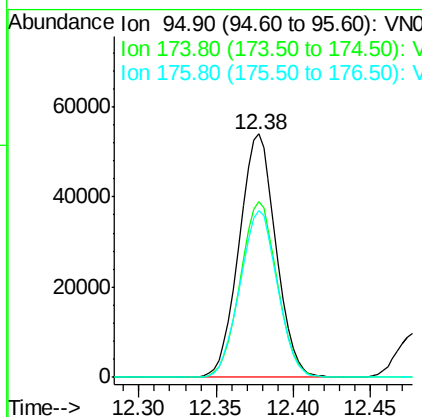
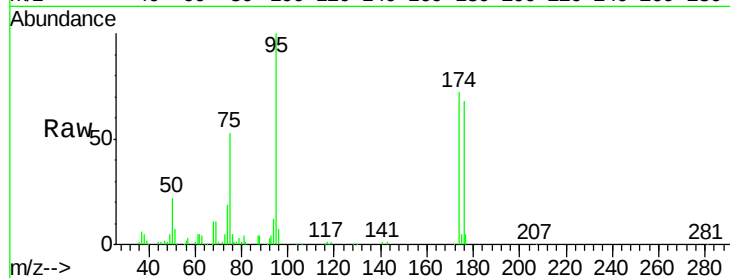
ClientSampleId :

BP-VPB180-GW-803-805MS

Tot Ion:	95	Resp:	89242
Ion Ratio	Lower	Upper	
95	100		
174	72.6	0.0	149.4
176	69.7	0.0	144.8

Manual Integrations
APPROVED

MMDadoda
5/4/2020 2:58:02 PM



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

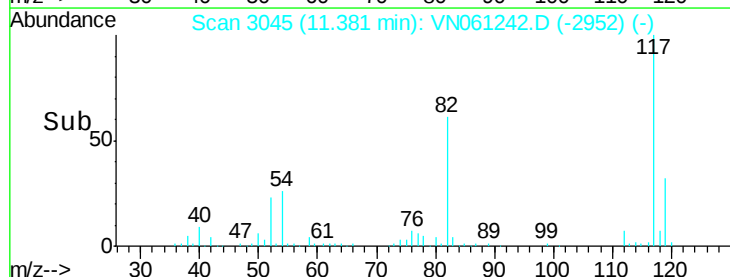
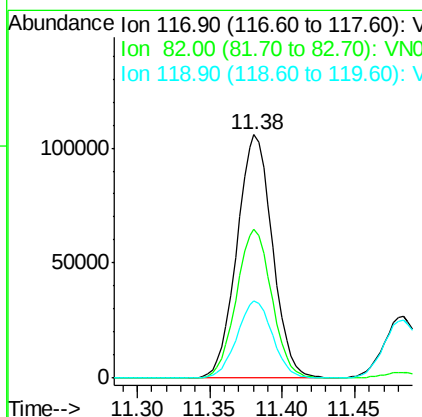
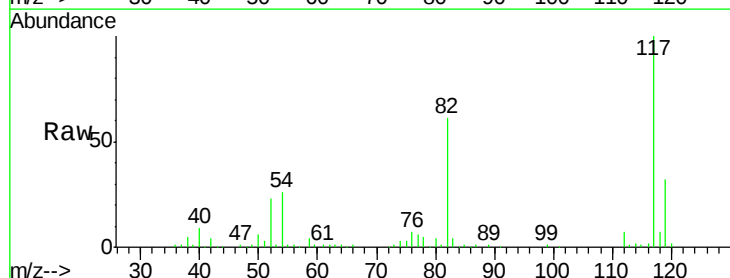
RT: 11.38 min Scan# 3045

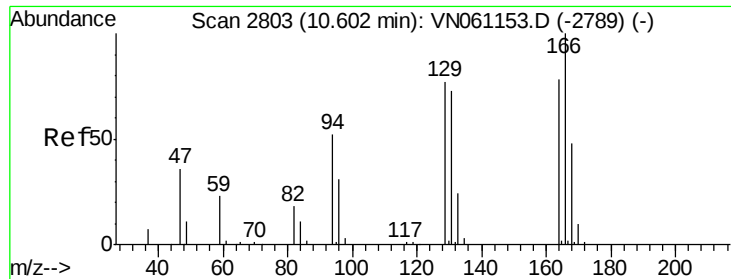
Delta R.T. 0.00 min

Lab File: VN061242.D

Acq: 1 May 2020 19:46

Tgt Ion:	117	Resp:	180119
Ion Ratio	Lower	Upper	
117	100		
82	61.0	47.8	71.8
119	31.9	25.8	38.6





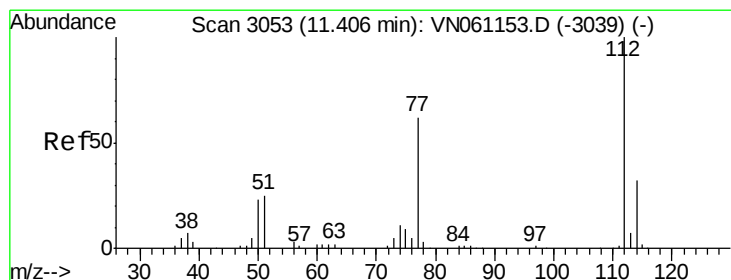
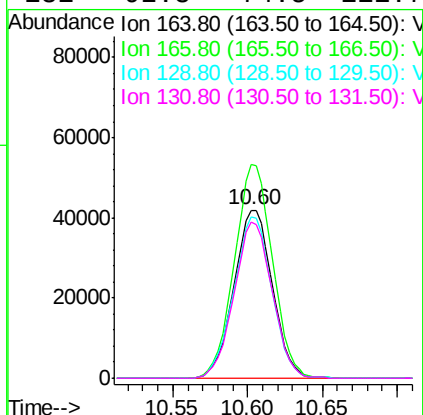
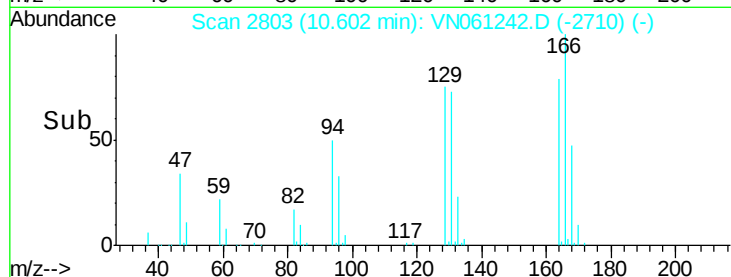
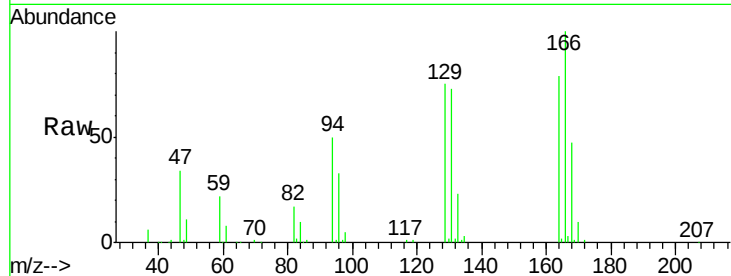
#64
Tetrachloroethene
Concen: 48.031 ug/l
RT: 10.60 min Scan# 2803
Delta R.T. 0.00 min
Lab File: VN061242.D
Acq: 1 May 2020 19:46

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

Tot Ion	Ratio	Lower	Upper
164	100		
166	126.9	102.0	153.0
129	95.6	78.2	117.2
131	92.8	74.5	111.7

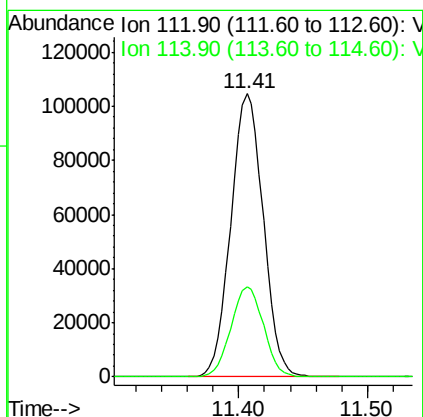
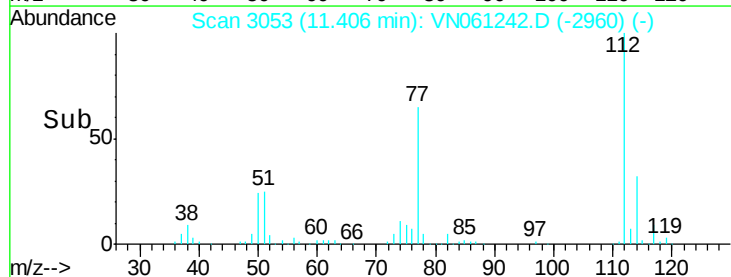
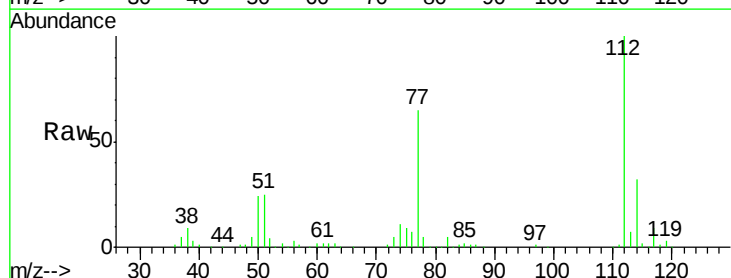
Manual Integrations
APPROVED

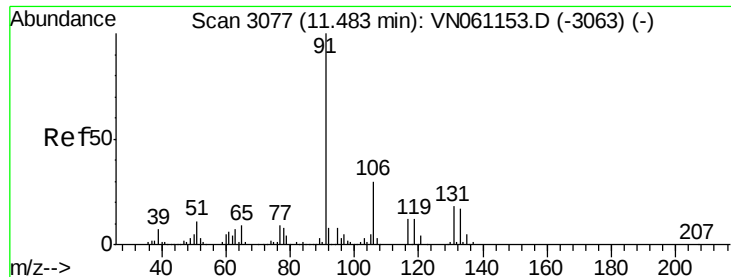
MMDadoda
5/4/2020 2:58:02 PM



#65
Chlorobenzene
Concen: 51.104 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. 0.00 min
Lab File: VN061242.D
Acq: 1 May 2020 19:46

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.7	25.4	38.2





#66

1,1,1,2-Tetrachloroethane

Concen: 52.154 ug/l

RT: 11.48 min Scan# 3077

Delta R.T. 0.00 min

Lab File: VN061242.D

Acq: 1 May 2020 19:46

Instrument :

MSVOA_N

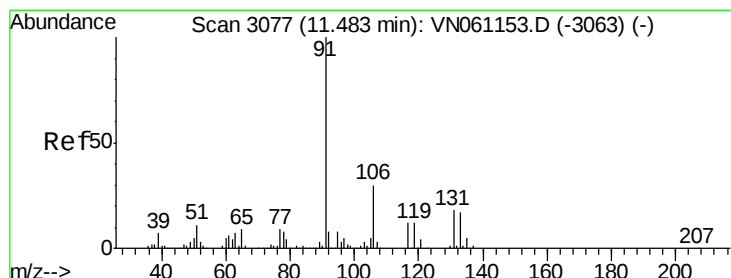
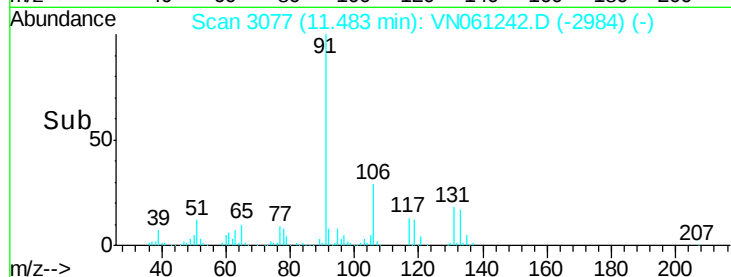
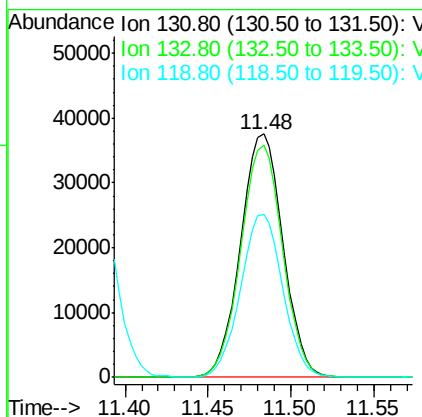
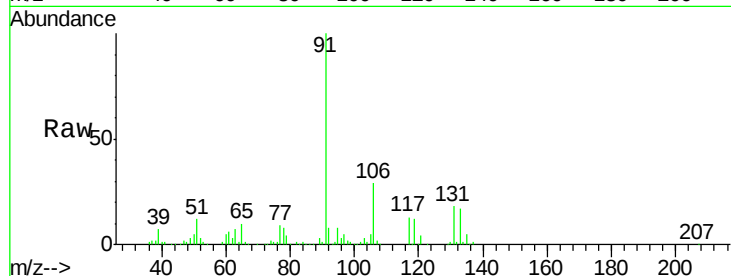
ClientSampleId :

BP-VPB180-GW-803-805MS

Tot Ion:	131	Resp:	66694
Ion	Ratio	Lower	Upper
131	100		
133	94.4	48.0	144.2
119	66.6	32.6	97.8

Manual Integrations
APPROVED

MMDadoda
5/4/2020 2:58:02 PM



#67

Ethyl Benzene

Concen: 52.594 ug/l

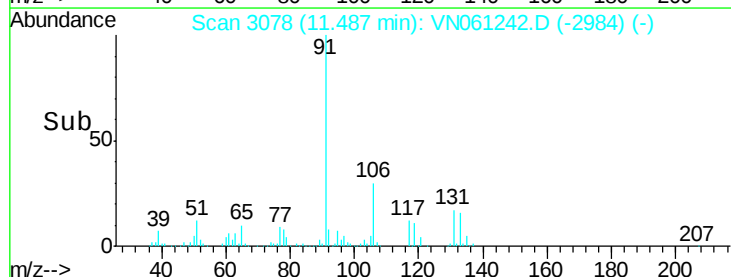
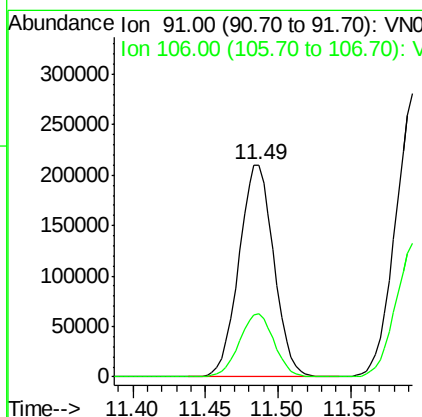
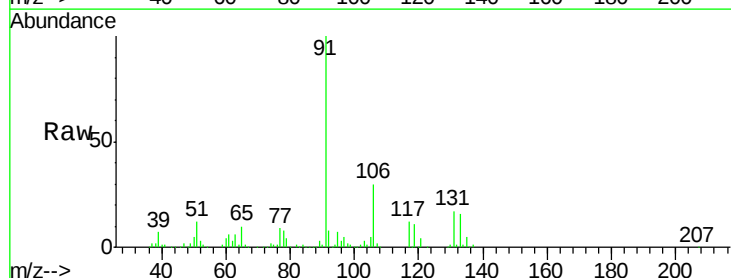
RT: 11.49 min Scan# 3078

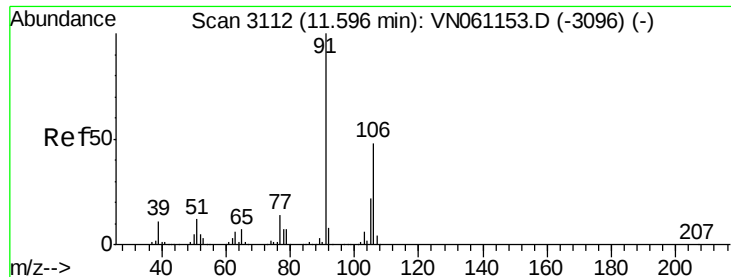
Delta R.T. 0.00 min

Lab File: VN061242.D

Acq: 1 May 2020 19:46

Tgt Ion:	91	Resp:	351778
Ion	Ratio	Lower	Upper
91	100		
106	29.8	23.8	35.6





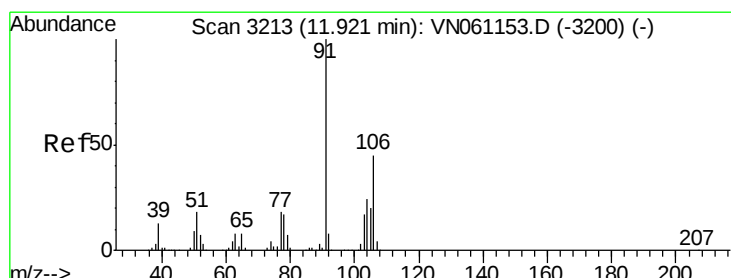
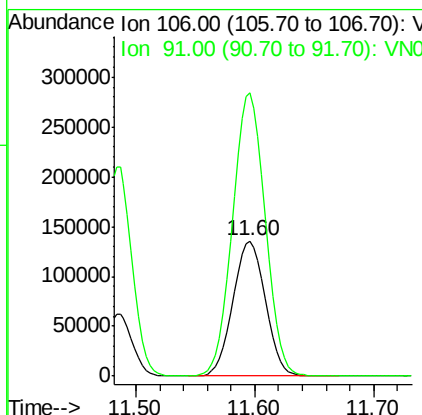
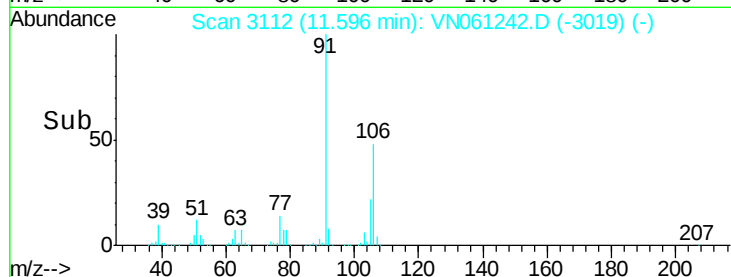
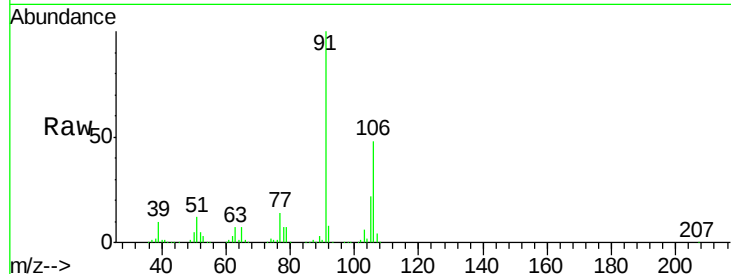
#68
m/p-Xylenes
Concen: 104.798 ug/l
RT: 11.60 min Scan# 3112
Delta R.T. 0.00 min
Lab File: VN061242.D
Acq: 1 May 2020 19:46

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

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		256568		
91	210.6	166.4	249.6		

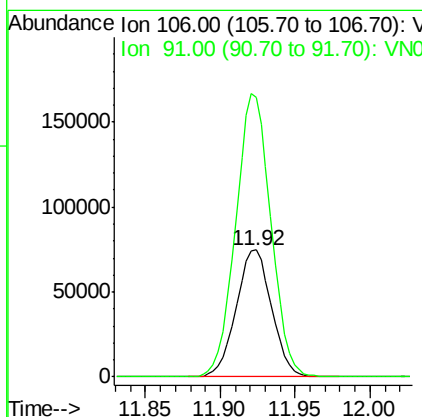
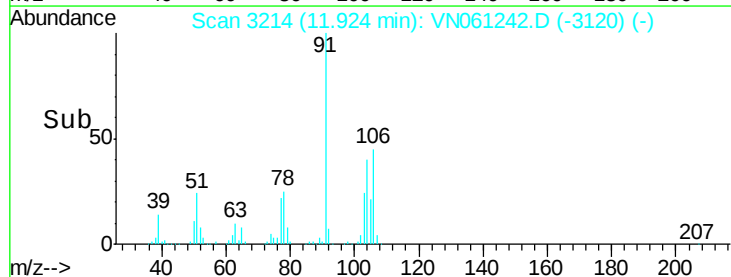
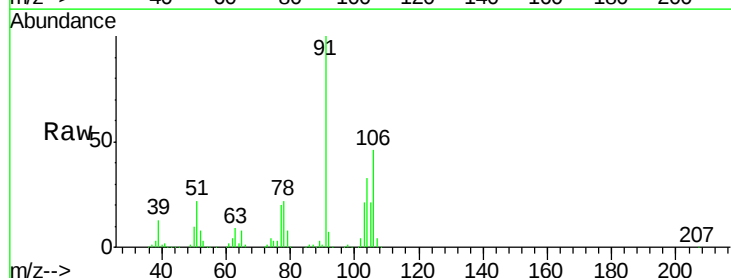
Manual Integrations
APPROVED

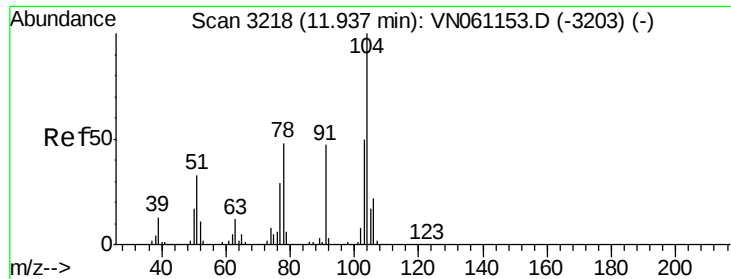
MMDadoda
5/4/2020 2:58:02 PM



#69
o-Xylene
Concen: 52.291 ug/l
RT: 11.92 min Scan# 3214
Delta R.T. 0.00 min
Lab File: VN061242.D
Acq: 1 May 2020 19:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		122971		
91	221.6	109.7	329.0		





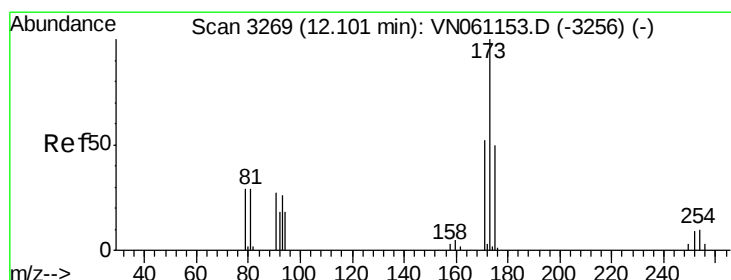
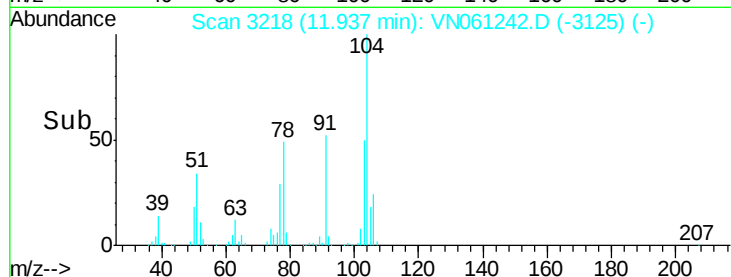
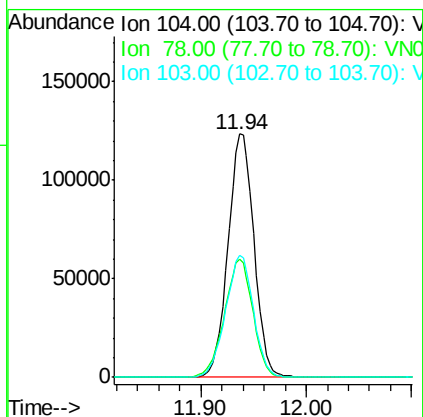
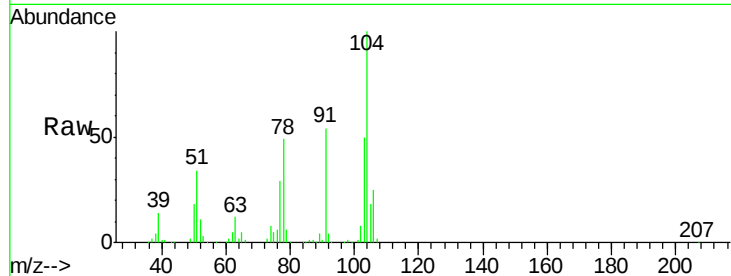
#70
Stvrene
Concen: 53.341 ug/l
RT: 11.94 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN061242.D
Acq: 1 May 2020 19:46

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

Tot Ion	Ratio	Resp	Lower	Upper
104	100	209948		
78	53.2		42.1	63.1
103	53.9		43.3	64.9

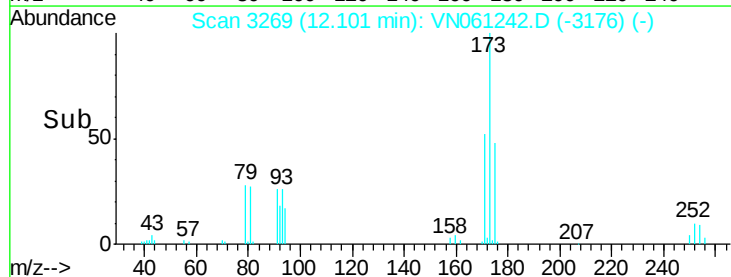
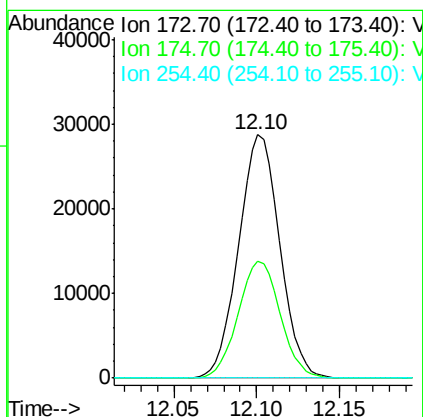
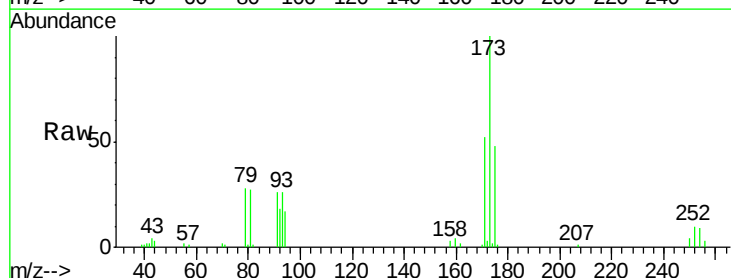
Manual Integrations
APPROVED

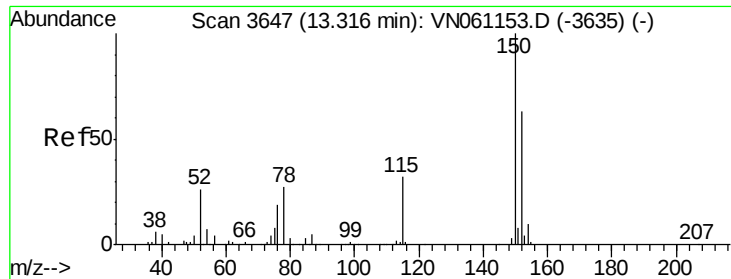
MMDadoda
5/4/2020 2:58:02 PM



#71
Bromoform
Concen: 52.929 ug/l
RT: 12.10 min Scan# 3269
Delta R.T. 0.00 min
Lab File: VN061242.D
Acq: 1 May 2020 19:46

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	49745		
175	48.9		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: VN061242.D

Acq: 1 May 2020 19:46

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB180-GW-803-805MS

Tot Ion:152 Resp: 88722

Ion Ratio Lower Upper

152 100

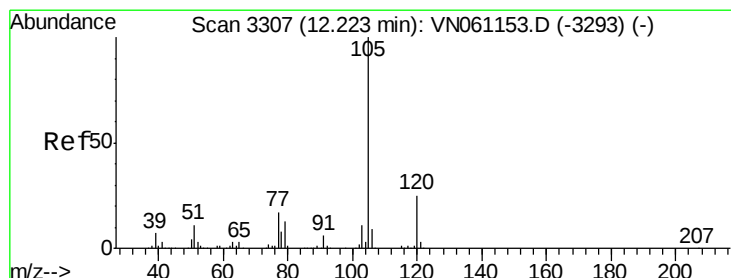
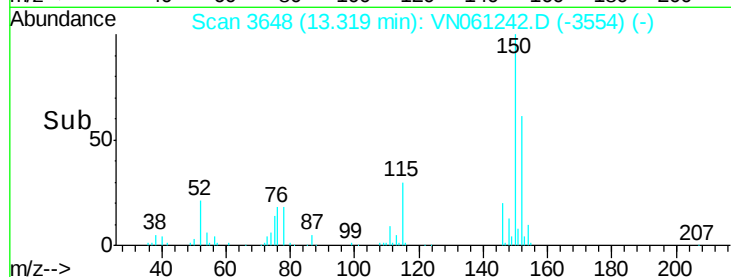
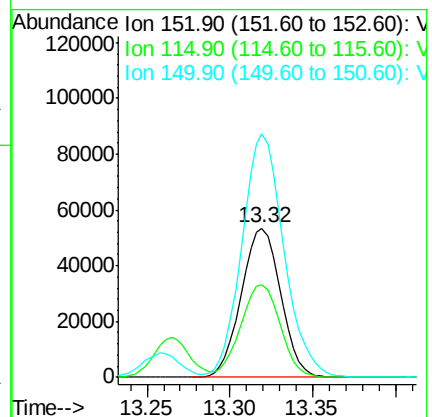
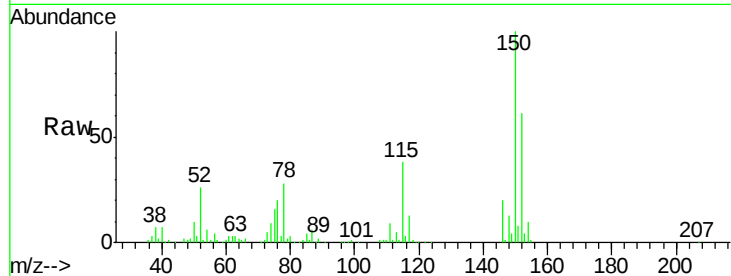
115 62.0 31.0 93.0

150 173.7 0.0 351.8

Manual Integrations
APPROVED

MMDadoda

5/4/2020 2:58:02 PM



#73

Isopropylbenzene

Concen: 50.988 ug/l

RT: 12.22 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN061242.D

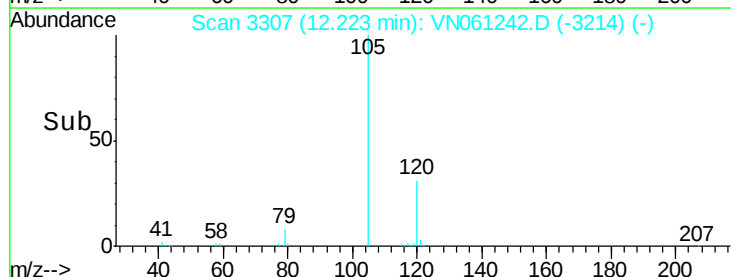
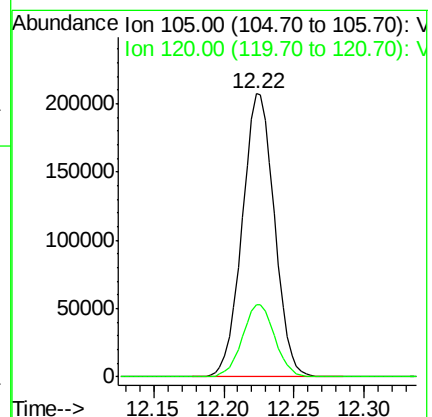
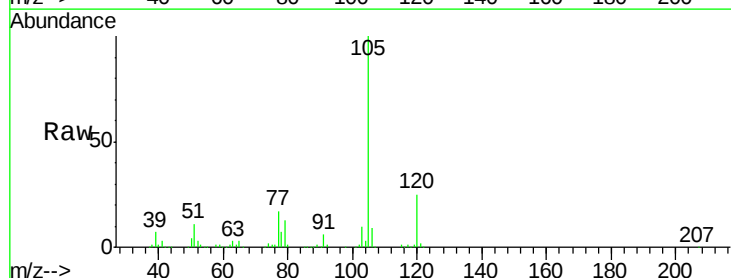
Acq: 1 May 2020 19:46

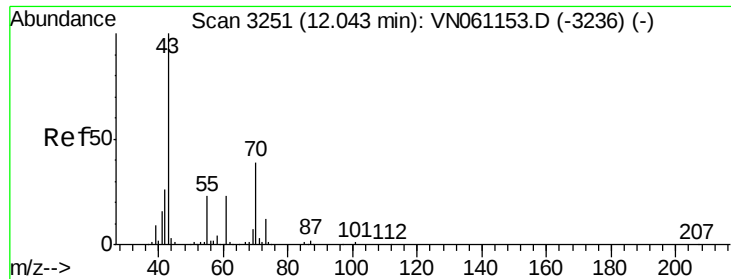
Tgt Ion:105 Resp: 332564

Ion Ratio Lower Upper

105 100

120 25.5 12.6 37.8





#74

N-amvl acetate

Concen: 49.278 ug/l

RT: 12.05 min Scan# 3252

Delta R.T. 0.00 min

Lab File: VN061242.D

Acq: 1 May 2020 19:46

Instrument :

MSVOA_N

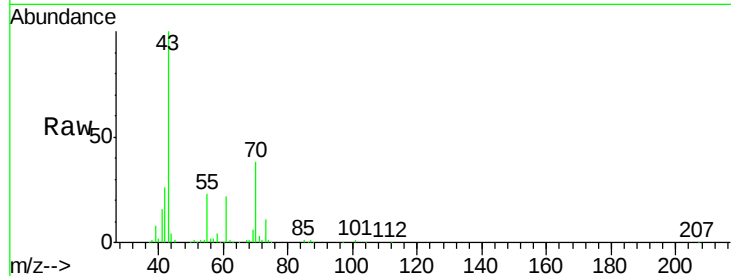
ClientSampleId :

BP-VPB180-GW-803-805MS

Tot Ion	43	Resp	162755
Ion Ratio	Lower	Upper	
43	100		
70	37.3	30.6	46.0
55	23.3	18.5	27.7
61	21.6	17.9	26.9

Manual Integrations
APPROVED

MMDadoda
5/4/2020 2:58:02 PM

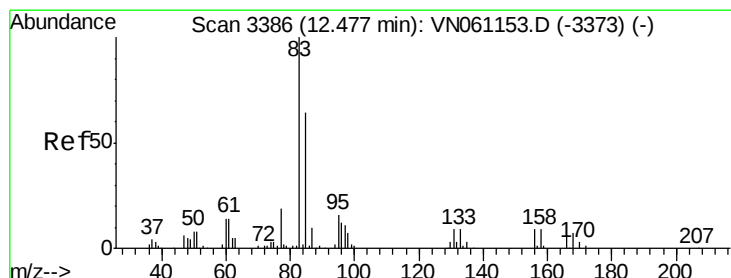
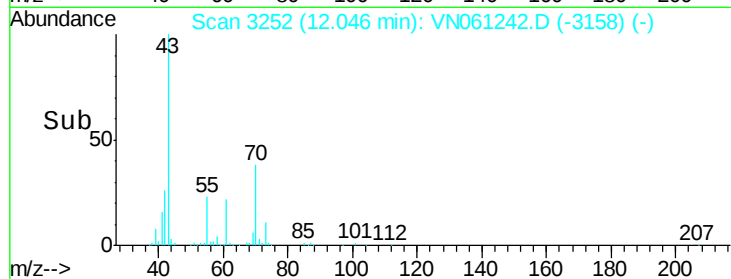
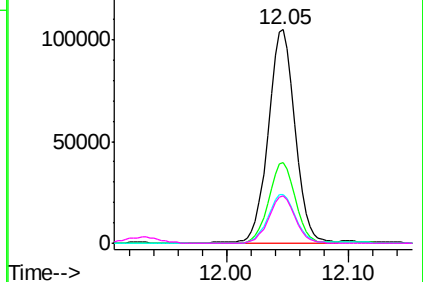


Abundance Ion 43.00 (42.70 to 43.70): VN061153.D (-3236) (-)

Ion 70.00 (69.70 to 70.70): VN061153.D (-3236) (-)

Ion 55.00 (54.70 to 55.70): VN061153.D (-3236) (-)

Ion 61.00 (60.70 to 61.70): VN061153.D (-3236) (-)



#75

1,1,2,2-Tetrachloroethane

Concen: 52.772 ug/l

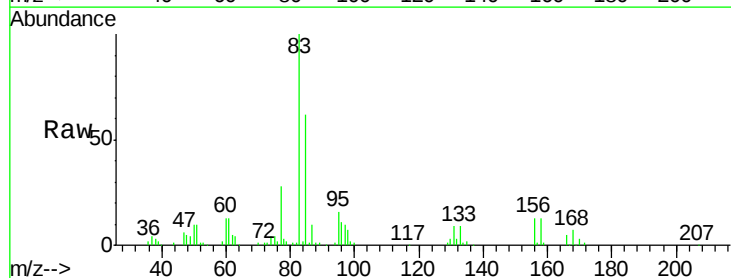
RT: 12.48 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VN061242.D

Acq: 1 May 2020 19:46

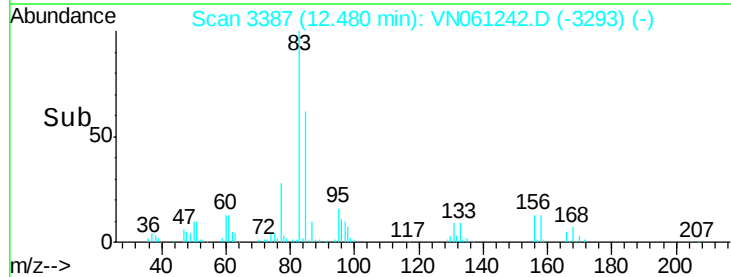
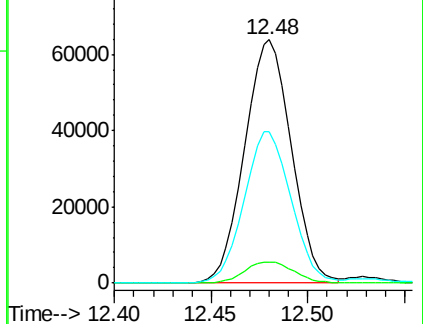
Tgt Ion	83	Resp	107326
Ion Ratio	Lower	Upper	
83	100		
131	9.2	4.8	14.3
85	62.6	32.0	96.0

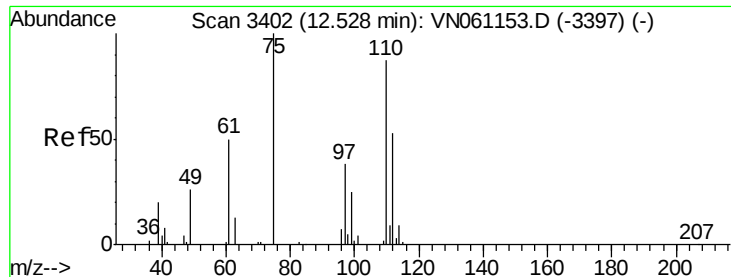


Abundance Ion 82.90 (82.60 to 83.60): VN061153.D (-3373) (-)

Ion 130.80 (130.50 to 131.50): VN061153.D (-3373) (-)

Ion 84.90 (84.60 to 85.60): VN061153.D (-3373) (-)





#76

1,2,3-Trichloropropane

Concen: 52.020 ug/l m

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN061242.D

Acq: 1 May 2020 19:46

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB180-GW-803-805MS

Tot Ion: 75 Resp: 97304

Ion Ratio Lower Upper

75 100

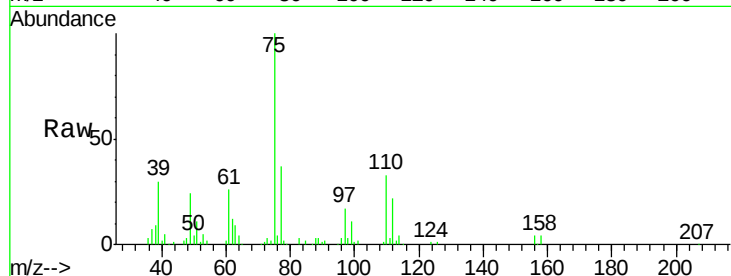
77 0.0 0.0 0.0

Manual Integrations

APPROVED

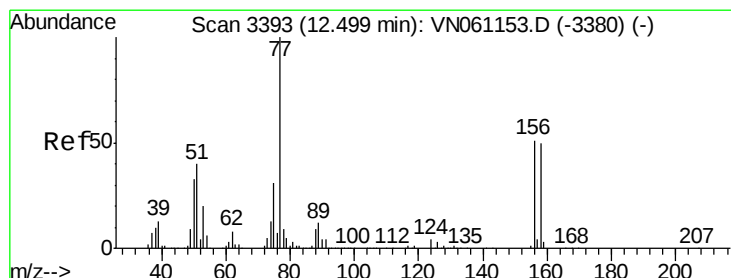
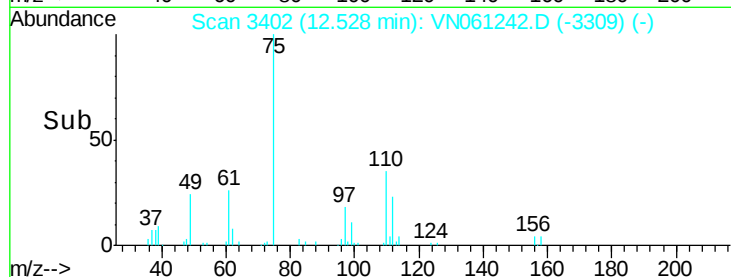
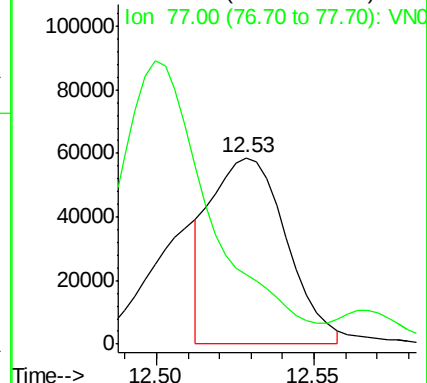
MMDadoda

5/4/2020 2:58:02 PM



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

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



#77

Bromobenzene

Concen: 50.969 ug/l

RT: 12.50 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN061242.D

Acq: 1 May 2020 19:46

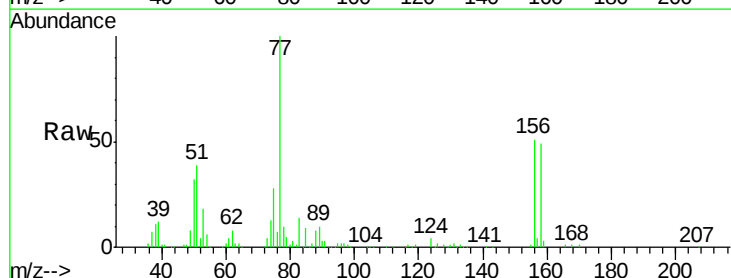
Tgt Ion: 156 Resp: 76742

Ion Ratio Lower Upper

156 100

77 238.2 117.4 352.2

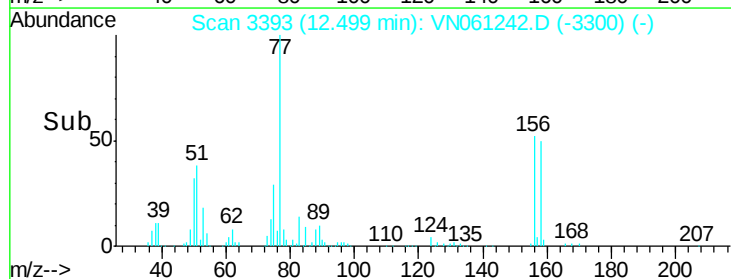
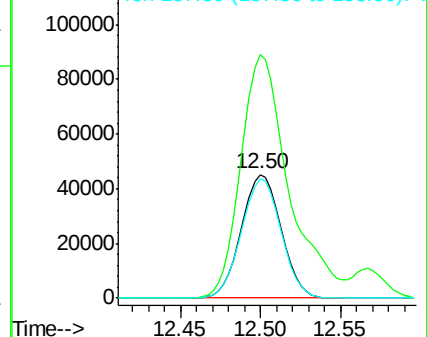
158 96.2 48.4 145.0

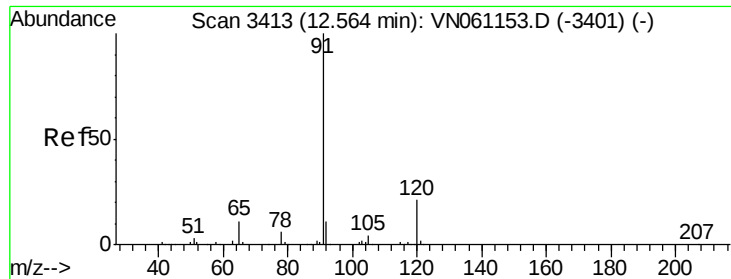


Abundance Ion 155.80 (155.50 to 156.50): VN061153.D (-3380) (-)

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

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





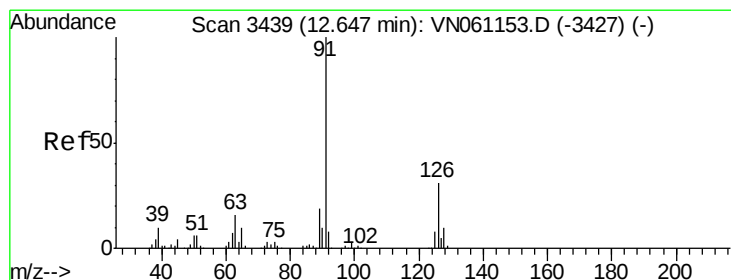
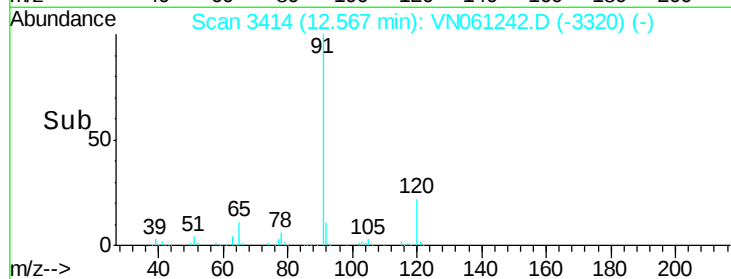
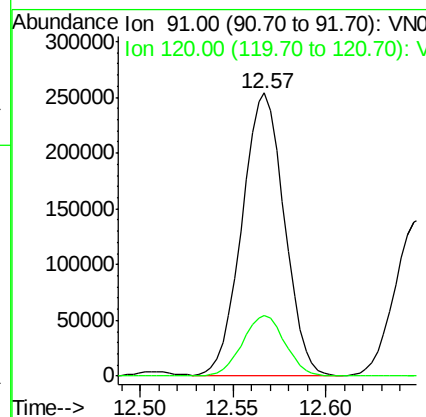
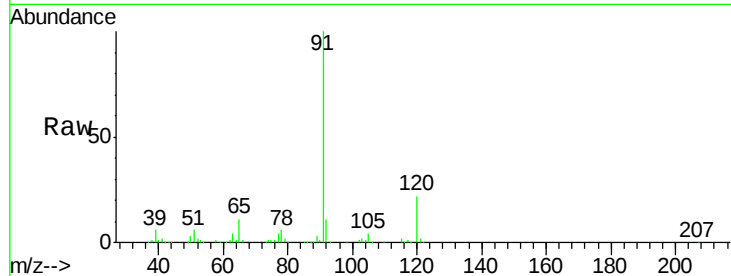
#78
n-propylbenzene
Concen: 51.751 ug/l
RT: 12.57 min Scan# 3414
Delta R.T. 0.00 min
Lab File: VN061242.D
Acq: 1 May 2020 19:46

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

Tot Ion	Ratio	Lower	Upper
91	100		
120	21.6	10.8	32.3

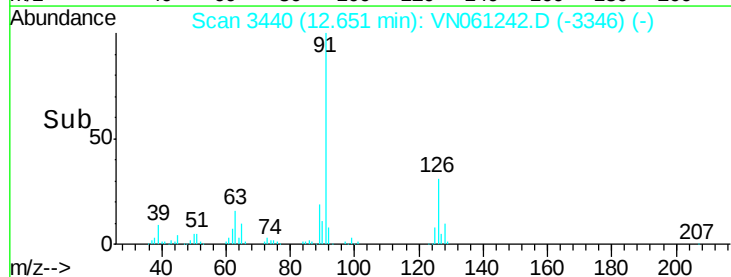
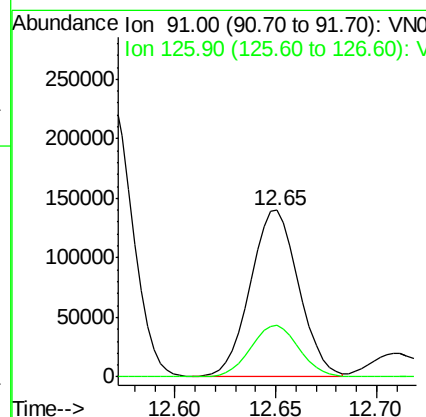
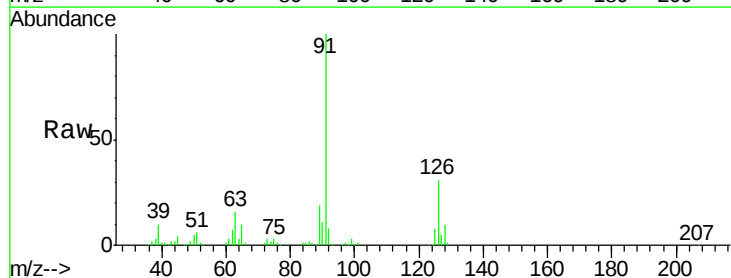
Manual Integrations
APPROVED

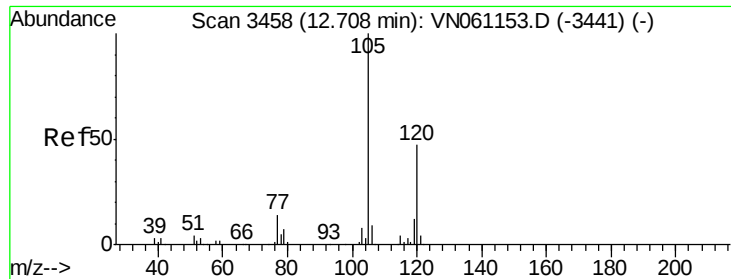
MMDadoda
5/4/2020 2:58:02 PM



#79
2-Chlorotoluene
Concen: 51.335 ug/l
RT: 12.65 min Scan# 3440
Delta R.T. 0.00 min
Lab File: VN061242.D
Acq: 1 May 2020 19:46

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.9	47.7





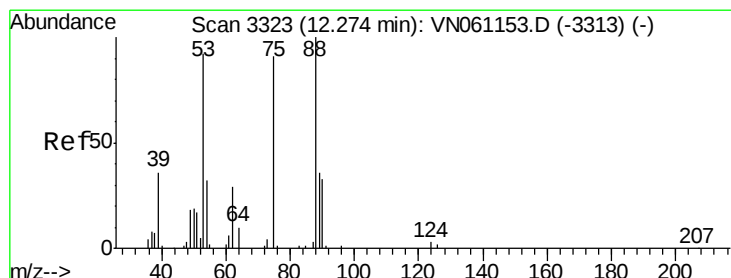
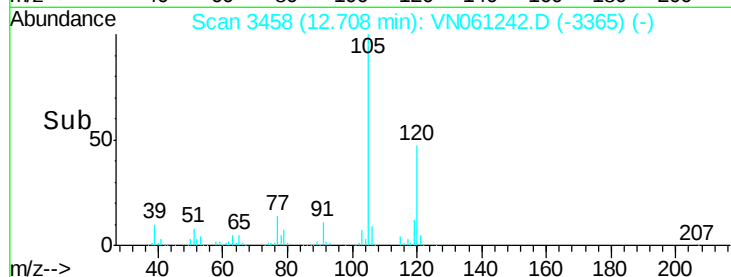
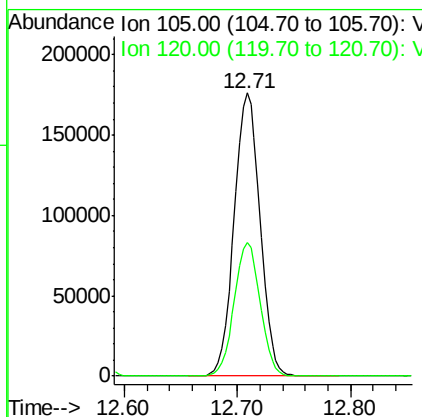
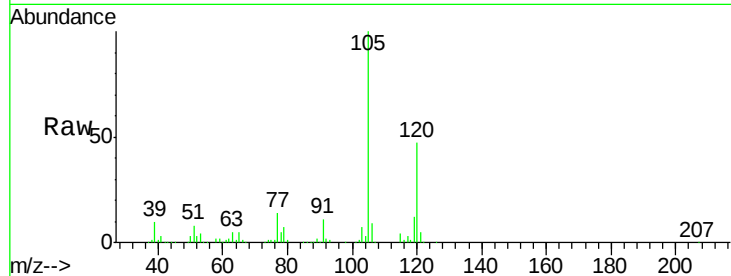
#80
 1,3,5-Trimethylbenzene
 Concen: 52.042 ug/l
 RT: 12.71 min Scan# 3458
 Delta R.T. 0.00 min
 Lab File: VN061242.D
 Acq: 1 May 2020 19:46

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

Tot Ion	Ratio	Resp	Lower	Upper
105	100	280936		
120	47.3	23.9	71.7	

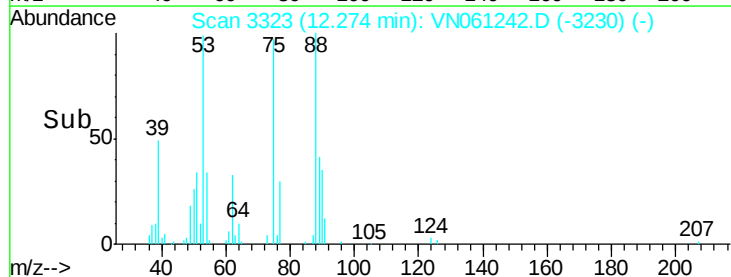
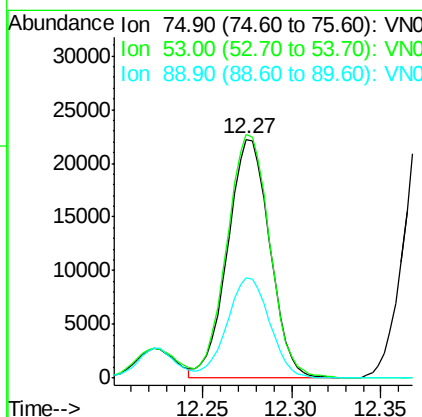
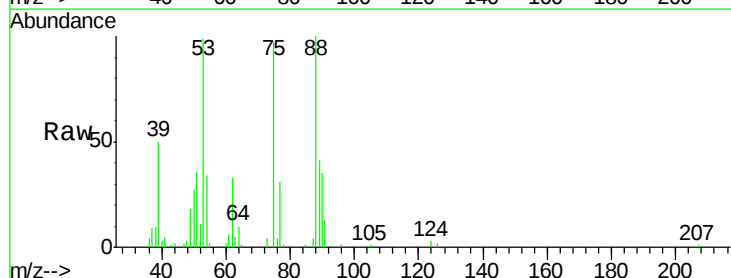
Manual Integrations
 APPROVED

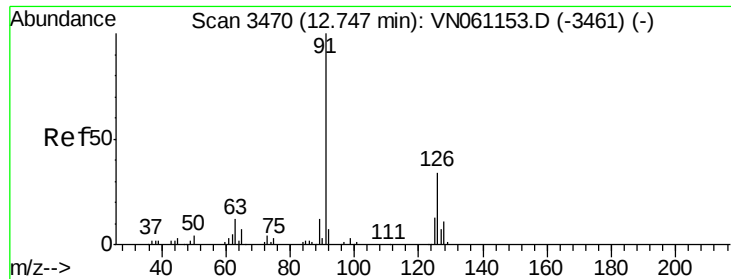
MMDadoda
 5/4/2020 2:58:02 PM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 49.698 ug/l
 RT: 12.27 min Scan# 3323
 Delta R.T. 0.00 min
 Lab File: VN061242.D
 Acq: 1 May 2020 19:46

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	36606		
53	103.3	84.1	126.1	
89	42.4	35.2	52.8	





#82

4-Chlorotoluene

Concen: 51.984 ug/l

RT: 12.75 min Scan# 3470

Delta R.T. 0.00 min

Lab File: VN061242.D

Acq: 1 May 2020 19:46

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB180-GW-803-805MS

Tot Ion: 91 Resp: 249138

Ion Ratio Lower Upper

91 100

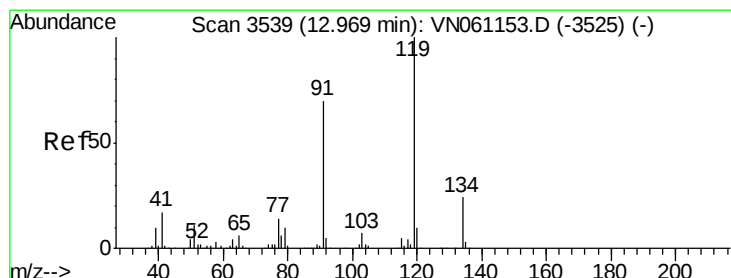
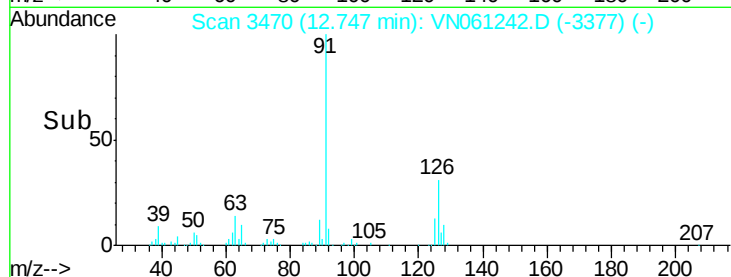
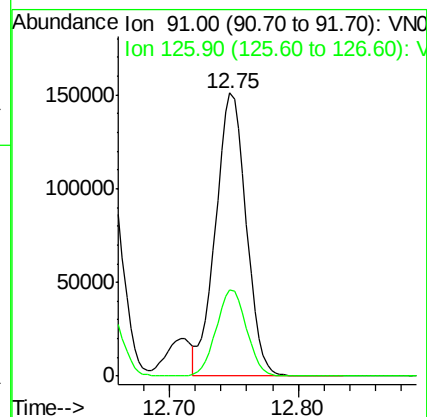
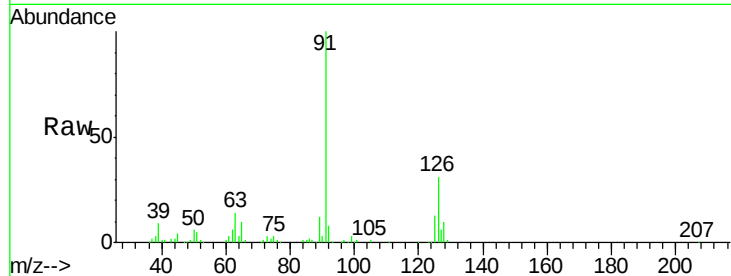
126 30.2 15.7 47.1

Manual Integrations

APPROVED

MMDadoda

5/4/2020 2:58:02 PM



#83

tert-Butylbenzene

Concen: 50.959 ug/l

RT: 12.97 min Scan# 3539

Delta R.T. 0.00 min

Lab File: VN061242.D

Acq: 1 May 2020 19:46

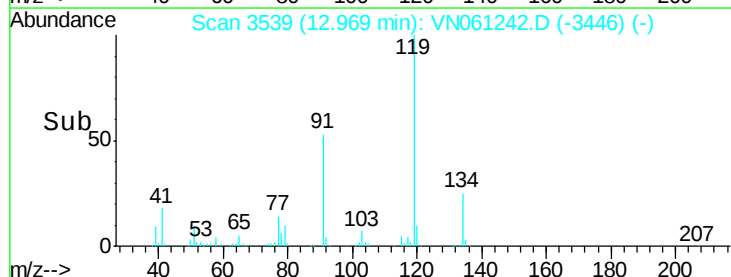
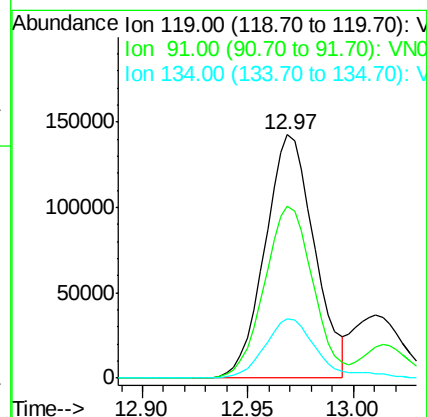
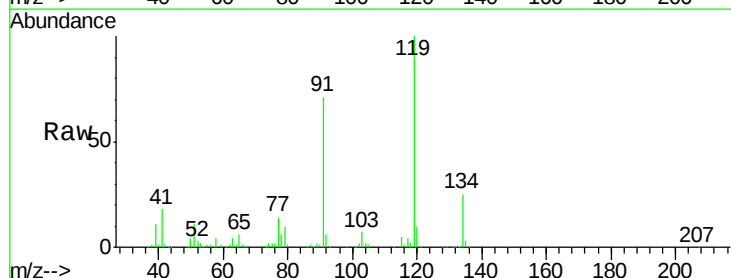
Tgt Ion: 119 Resp: 231960

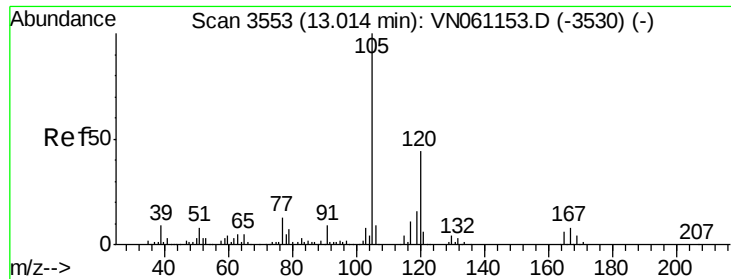
Ion Ratio Lower Upper

119 100

91 70.0 34.8 104.4

134 26.2 12.9 38.7





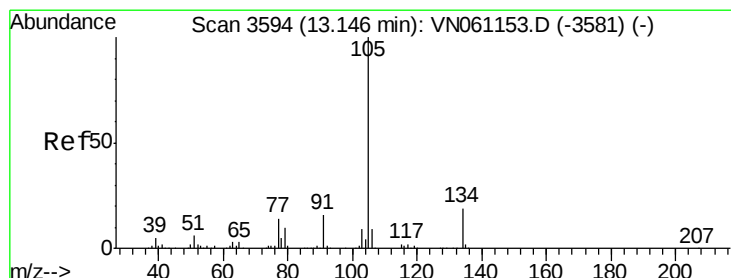
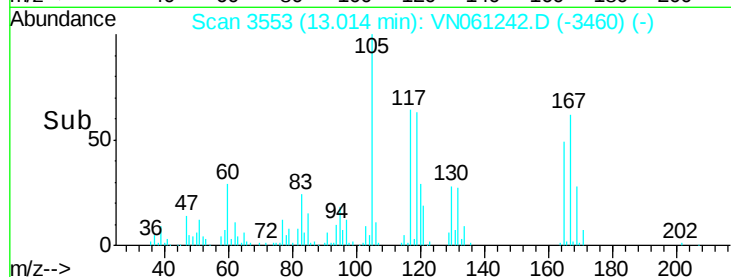
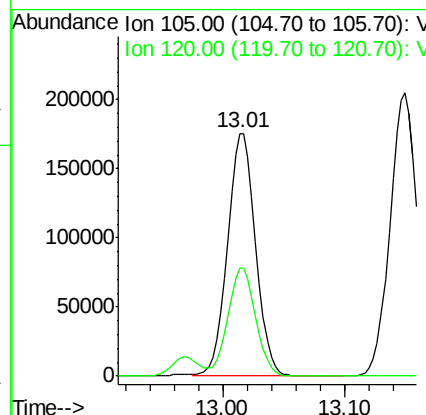
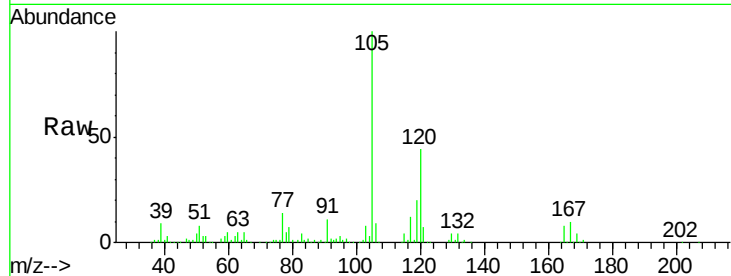
#84
 1,2,4-Trimethylbenzene
 Concen: 50.639 ug/l
 RT: 13.01 min Scan# 3553
 Delta R.T. 0.00 min
 Lab File: VN061242.D
 Acq: 1 May 2020 19:46

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

Tot Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.2	66.6

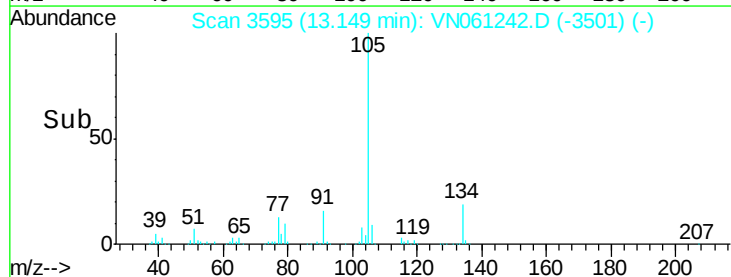
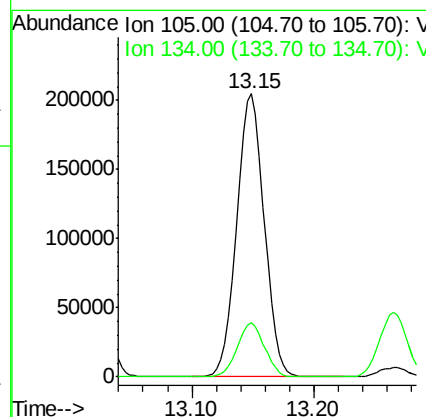
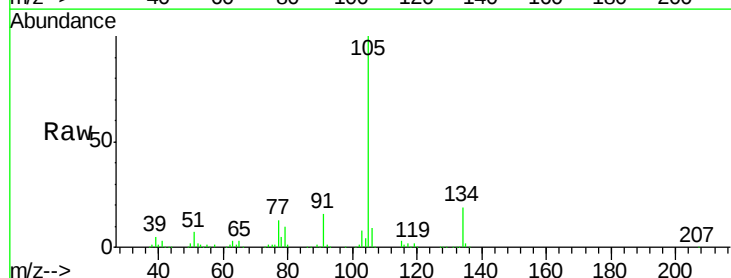
Manual Integrations
 APPROVED

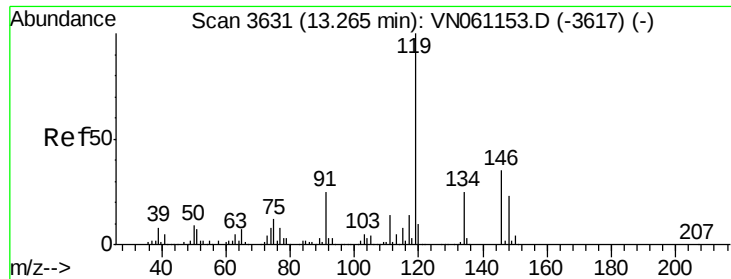
MMDadoda
 5/4/2020 2:58:02 PM



#85
 sec-Butylbenzene
 Concen: 51.659 ug/l
 RT: 13.15 min Scan# 3595
 Delta R.T. 0.00 min
 Lab File: VN061242.D
 Acq: 1 May 2020 19:46

Tgt Ion	Ratio	Lower	Upper
105	100		
134	18.9	9.6	28.8





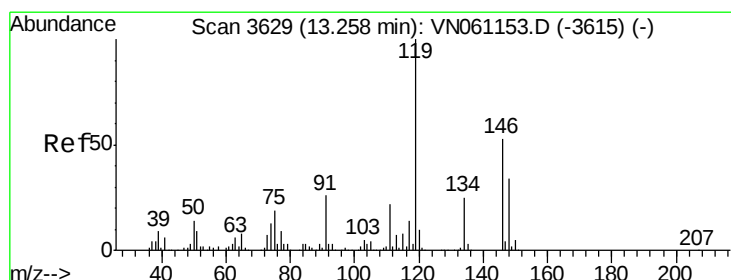
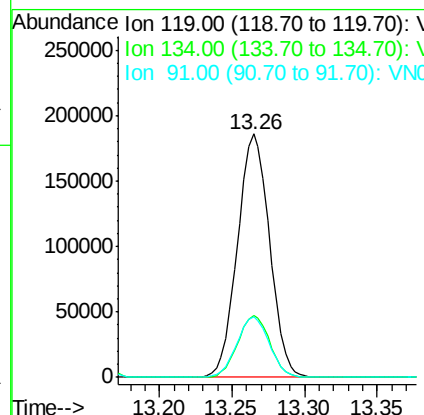
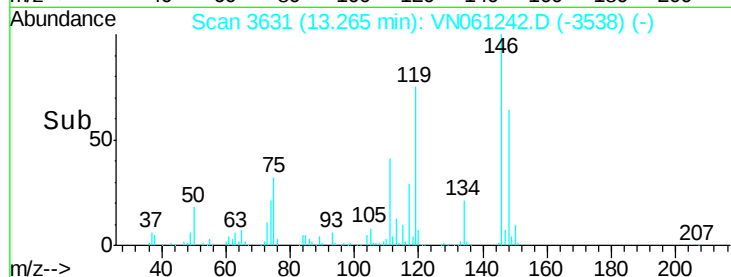
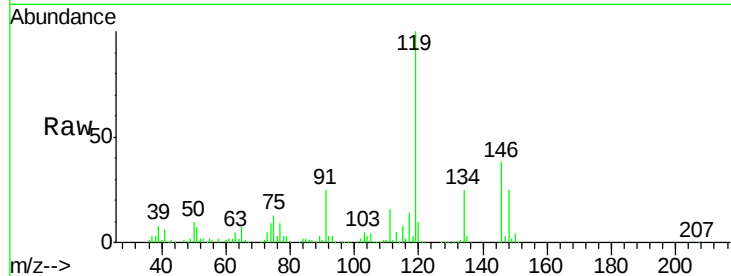
#86
 p-Isopropyltoluene
 Concen: 51.151 ug/l
 RT: 13.26 min Scan# 3631
 Delta R.T. 0.00 min
 Lab File: VN061242.D
 Acq: 1 May 2020 19:46

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

Tot Ion	Ratio	Resp	Lower	Upper
119	100	286009		
134	25.4		12.6	37.6
91	25.1		12.7	38.0

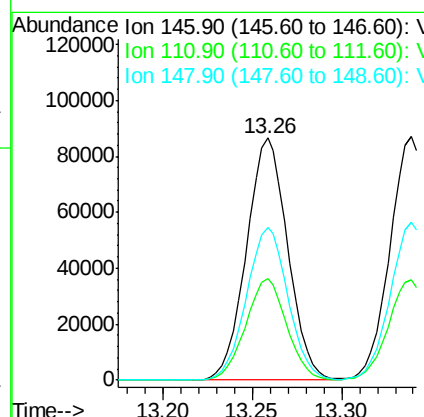
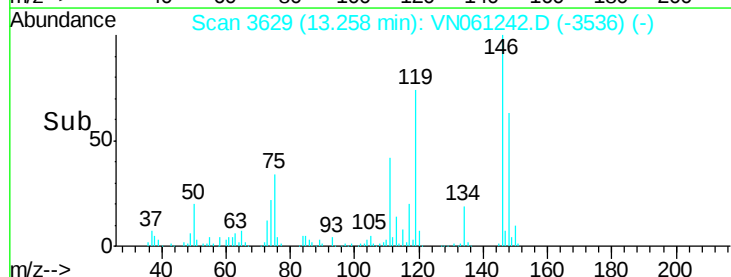
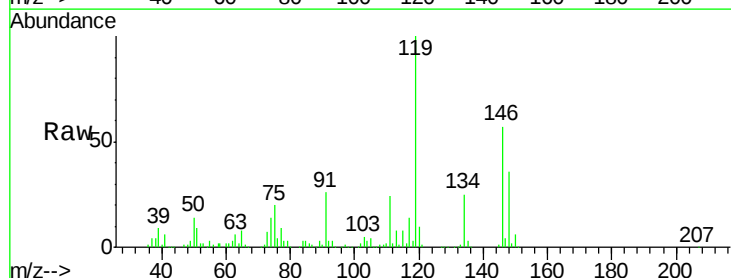
Manual Integrations
 APPROVED

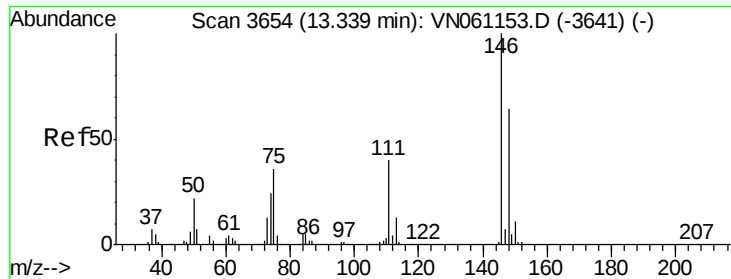
MMDadoda
 5/4/2020 2:58:02 PM



#87
 1,3-Dichlorobenzene
 Concen: 50.497 ug/l
 RT: 13.26 min Scan# 3629
 Delta R.T. 0.00 min
 Lab File: VN061242.D
 Acq: 1 May 2020 19:46

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	139966		
111	41.8		20.7	62.1
148	63.5		31.8	95.3





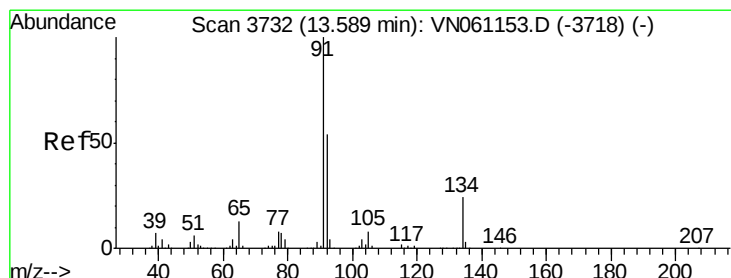
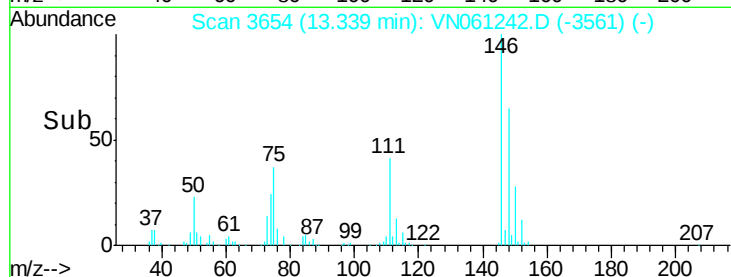
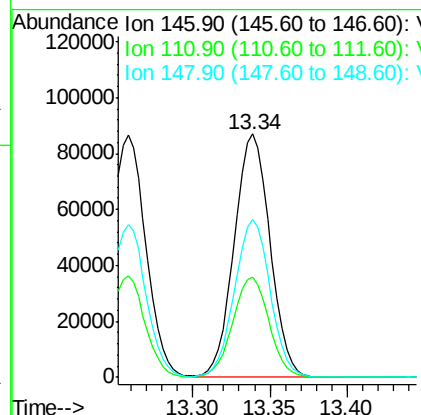
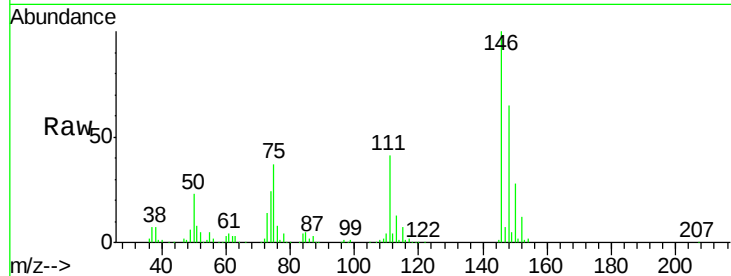
#88
 1,4-Dichlorobenzene
 Concen: 49.409 ug/l
 RT: 13.34 min Scan# 3654
 Delta R.T. 0.00 min
 Lab File: VN061242.D
 Acq: 1 May 2020 19:46

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

Tot Ion	Ratio	Resp	Lower	Upper
146	100	139928		
111	41.6	20.4	61.3	
148	64.6	31.9	95.7	

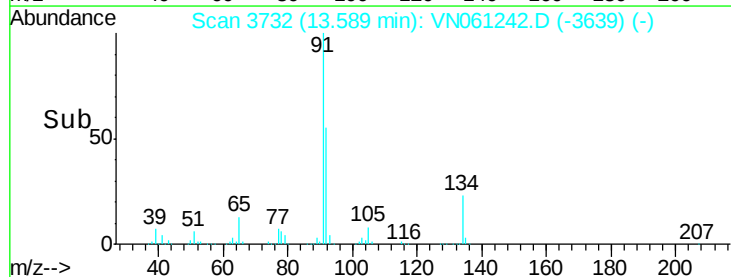
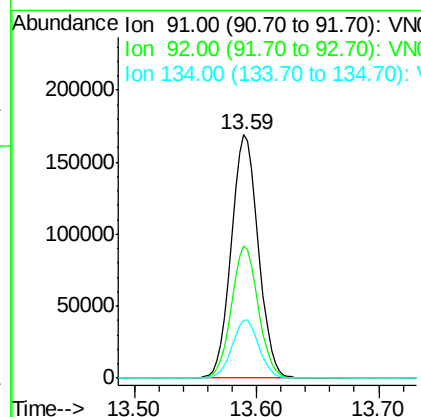
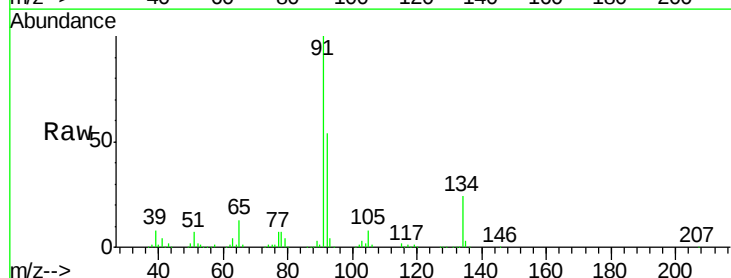
Manual Integrations
 APPROVED

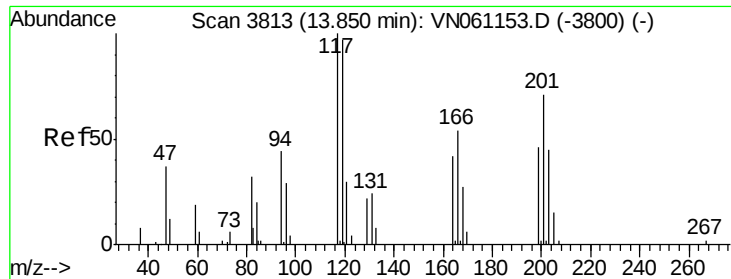
MMDadoda
 5/4/2020 2:58:02 PM



#89
 n-Butylbenzene
 Concen: 51.169 ug/l
 RT: 13.59 min Scan# 3732
 Delta R.T. 0.00 min
 Lab File: VN061242.D
 Acq: 1 May 2020 19:46

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	262291		
92	53.6	26.8	80.3	
134	23.7	11.9	35.5	





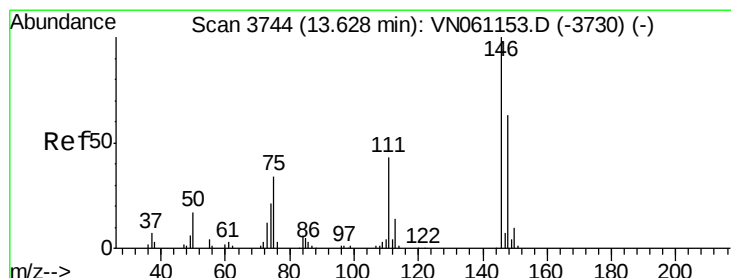
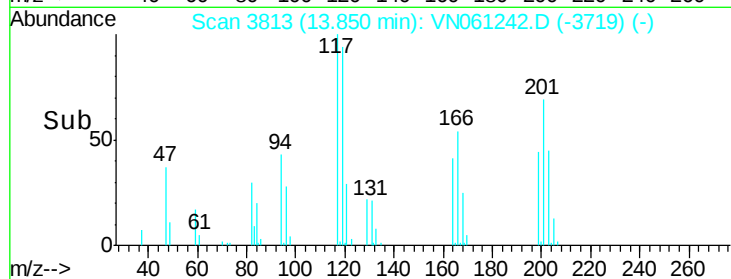
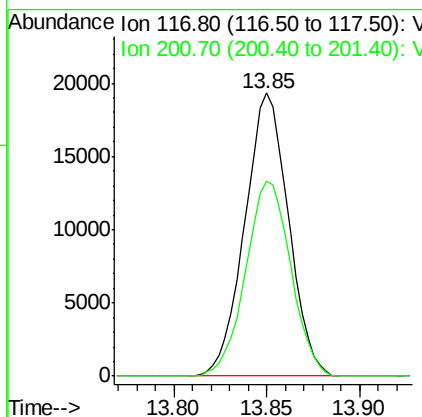
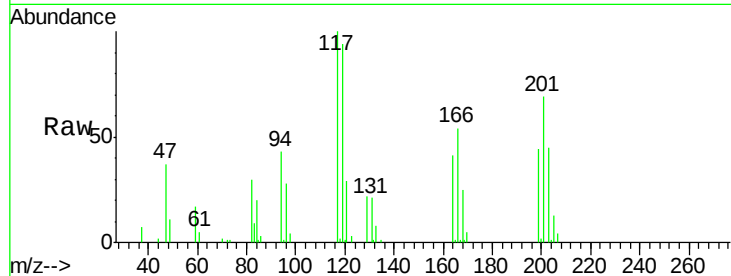
#90
Hexachloroethane
Concen: 53.551 ug/l
RT: 13.85 min Scan# 3813
Delta R.T. 0.00 min
Lab File: VN061242.D
Acq: 1 May 2020 19:46

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

Tot Ion:117 Resp: 31605
Ion Ratio Lower Upper
117 100
201 71.0 35.5 106.7

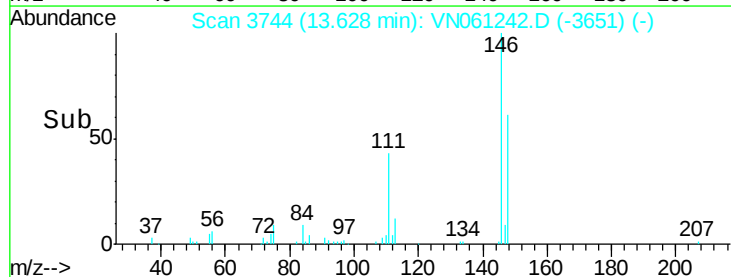
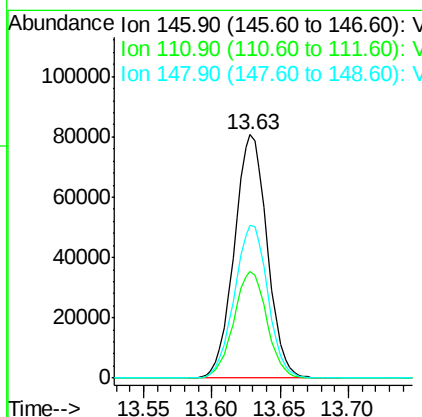
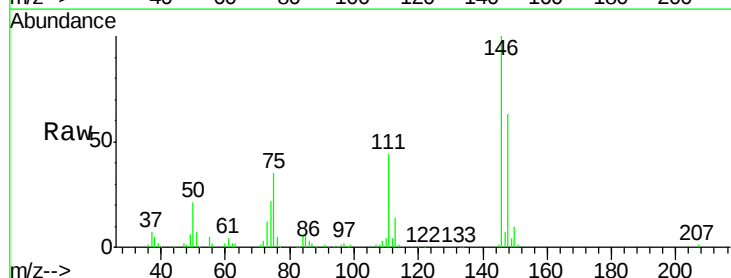
Manual Integrations
APPROVED

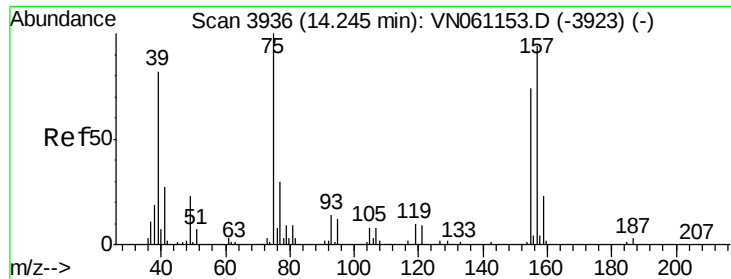
MMDadoda
5/4/2020 2:58:02 PM



#91
1,2-Dichlorobenzene
Concen: 50.704 ug/l
RT: 13.63 min Scan# 3744
Delta R.T. 0.00 min
Lab File: VN061242.D
Acq: 1 May 2020 19:46

Tgt Ion:146 Resp: 134755
Ion Ratio Lower Upper
146 100
111 43.9 21.8 65.3
148 64.0 31.6 95.0





#92

1,2-Dibromo-3-Chloropropane

Concen: 49.978 ug/l

RT: 14.25 min Scan# 3936

Delta R.T. 0.00 min

Lab File: VN061242.D

Acq: 1 May 2020 19:46

Instrument :

MSVOA_N

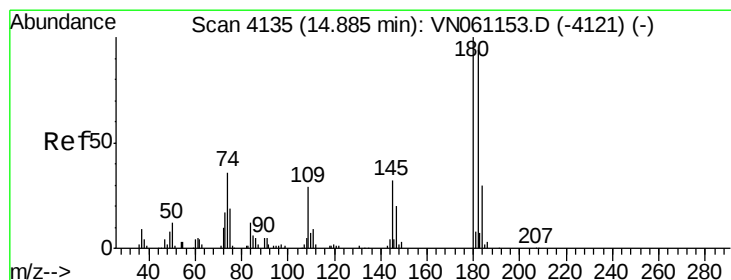
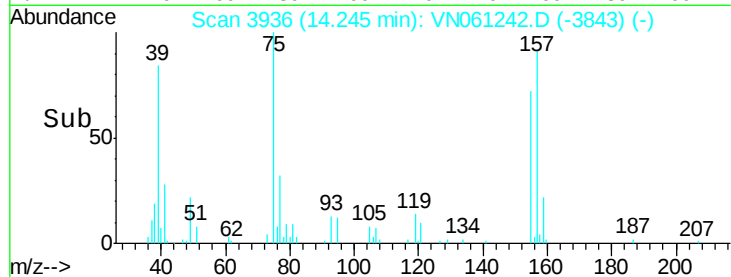
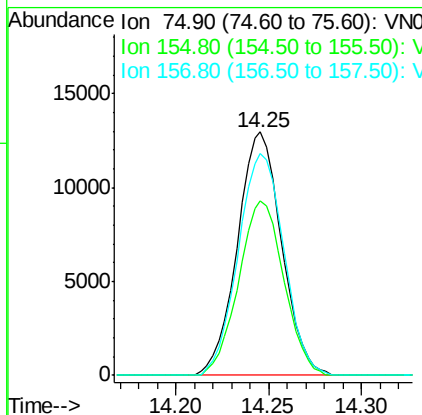
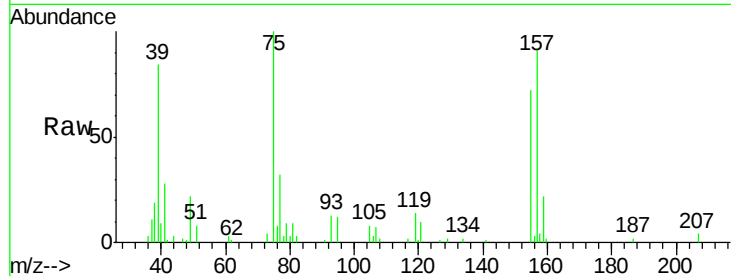
ClientSampleId :

BP-VPB180-GW-803-805MS

Tot Ion:	75	Resp:	21467
Ion	Ratio	Lower	Upper
75	100		
155	72.9	36.5	109.7
157	93.9	46.6	139.7

Manual Integrations
APPROVED

MMDadoda
5/4/2020 2:58:02 PM



#93

1,2,4-Trichlorobenzene

Concen: 49.047 ug/l

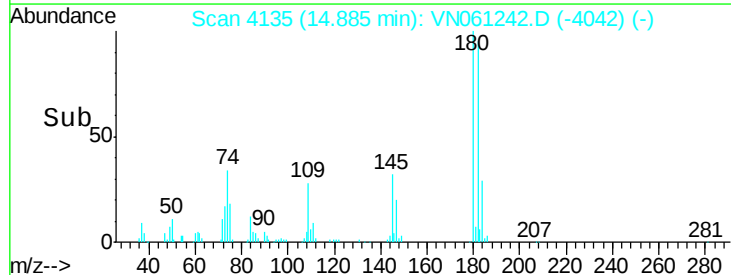
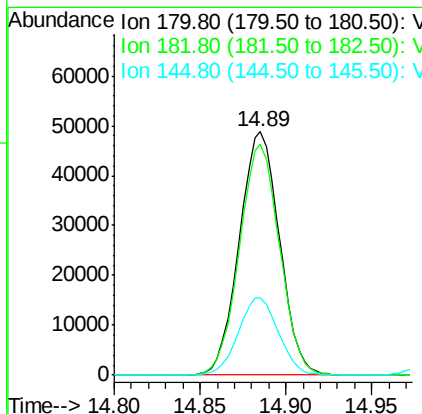
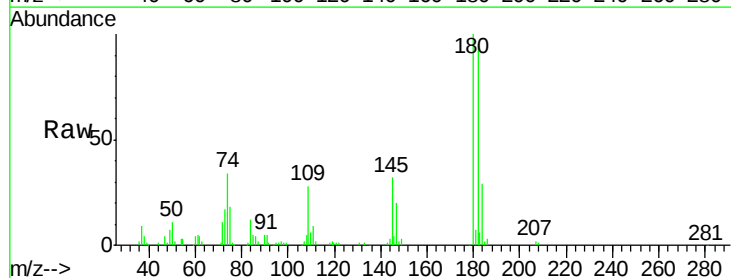
RT: 14.89 min Scan# 4135

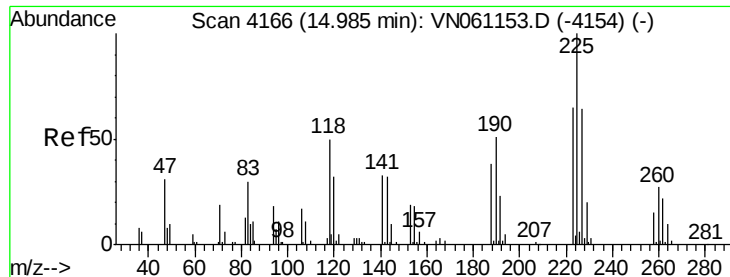
Delta R.T. 0.00 min

Lab File: VN061242.D

Acq: 1 May 2020 19:46

Tgt Ion:	180	Resp:	79377
Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.3	141.9
145	31.7	16.0	47.9





#94

Hexachlorobutadiene

Concen: 52.470 ug/l

RT: 14.98 min Scan# 4166

Delta R.T. 0.00 min

Lab File: VN061242.D

Acq: 1 May 2020 19:46

Instrument :

MSVOA_N

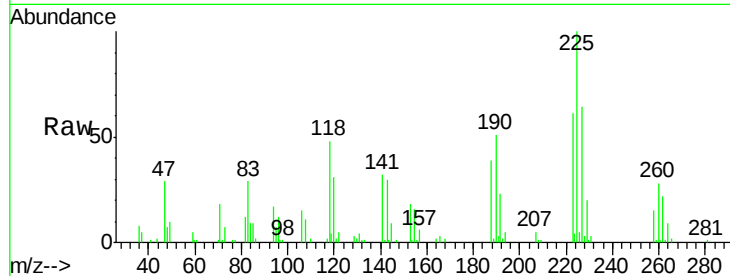
ClientSampleId :

BP-VPB180-GW-803-805MS

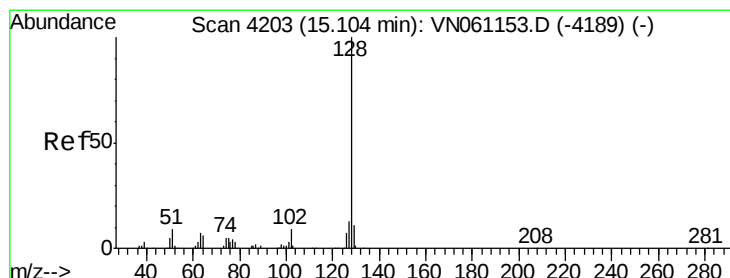
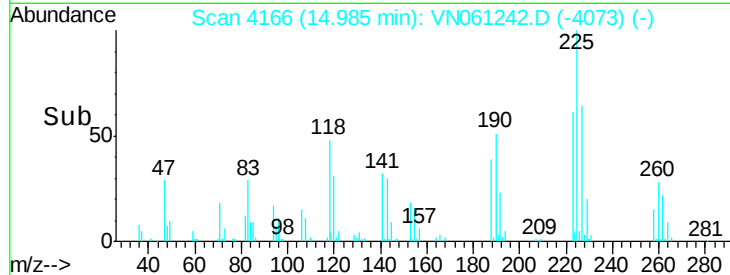
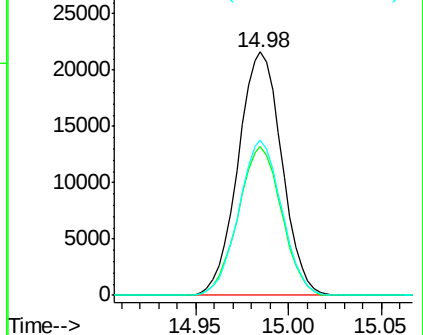
Tot Ion:	225	Resp:	35476
Ion Ratio		Lower	Upper
225	100		
223	60.7	32.4	97.0
227	62.6	32.4	97.0

Manual Integrations
APPROVED

MMDadoda
5/4/2020 2:58:02 PM



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 48.164 ug/l

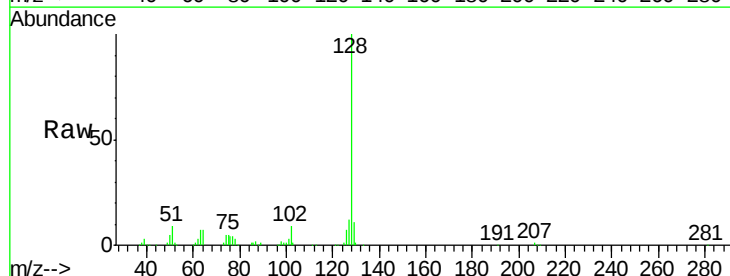
RT: 15.11 min Scan# 4204

Delta R.T. 0.00 min

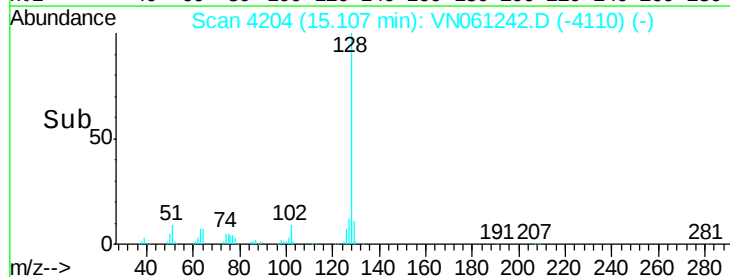
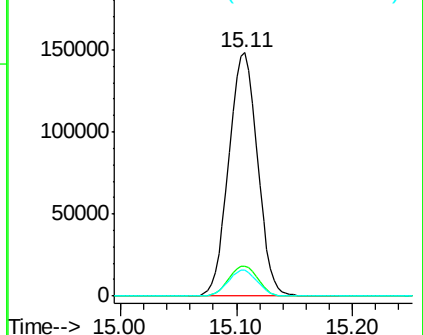
Lab File: VN061242.D

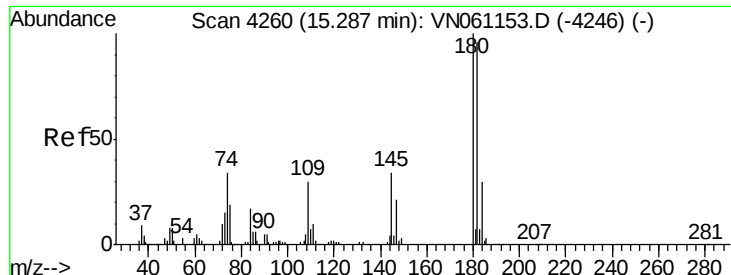
Acq: 1 May 2020 19:46

Tgt Ion:	128	Resp:	253853
Ion Ratio		Lower	Upper
128	100		
127	12.7	10.4	15.6
129	10.8	8.7	13.1



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





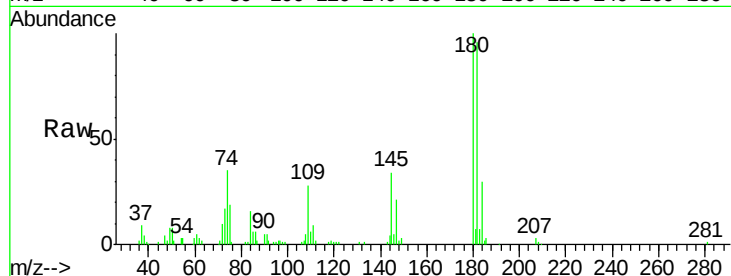
#96
 1,2,3-Trichlorobenzene
 Concen: 48.782 ug/l
 RT: 15.29 min Scan# 4260
 Delta R.T. 0.00 min
 Lab File: VN061242.D
 Acq: 1 May 2020 19:46

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

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.5	142.5
145	33.9	16.9	50.7

Manual Integrations
 APPROVED

MMDadoda
 5/4/2020 2:58:02 PM



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

