

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050620\
 Data File : VN061311.D
 Acq On : 6 May 2020 15:49
 Operator : JC/MD
 Sample : VN0506WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0506WBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/7/2020 10:36:37 AM

Quant Time: May 07 06:36:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 05 07:01:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	115357	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	198261	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	183203	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	84102	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	92143	50.48	ug/l	0.00
Spiked Amount			Recovery	=	100.96%	
35) Dibromofluoromethane	7.55	113	57970	49.45	ug/l	0.00
Spiked Amount			Recovery	=	98.90%	
50) Toluene-d8	10.06	98	240530	50.33	ug/l	0.00
Spiked Amount			Recovery	=	100.66%	
62) 4-Bromofluorobenzene	12.38	95	88319	49.11	ug/l	0.00
Spiked Amount			Recovery	=	98.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	20486	16.747	ug/l	99
3) Chloromethane	2.03	50	27115	18.302	ug/l	100
4) Vinyl Chloride	2.16	62	30380	18.054	ug/l	100
5) Bromomethane	2.54	94	12829	15.423	ug/l	96
6) Chloroethane	2.67	64	18936	17.754	ug/l	95
7) Trichlorofluoromethane	2.99	101	39306	20.704	ug/l	98
8) Diethyl Ether	3.37	74	15402	19.450	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	23111	18.896	ug/l	98
10) Methyl Iodide	3.91	142	24326	15.476	ug/l	99
11) Tert butyl alcohol	4.74	59	15795m	64.598	ug/l	
12) 1,1-Dichloroethene	3.70	96	21043	17.289	ug/l	97
13) Acrolein	3.56	56	10230	62.782	ug/l	99
14) Allyl chloride	4.27	41	44309	19.634	ug/l	99
15) Acrylonitrile	4.93	53	62607	83.410	ug/l	98
16) Acetone	3.77	43	64670	88.030	ug/l	100
17) Carbon Disulfide	4.01	76	55525	16.515	ug/l	100
18) Methyl Acetate	4.28	43	33529	15.033	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	82566	17.753	ug/l	98
20) Methylene Chloride	4.50	84	24698	17.353	ug/l	99
21) trans-1,2-Dichloroethene	4.99	96	23417	17.669	ug/l	98
22) Diisopropyl ether	5.90	45	94491	18.056	ug/l	98
23) Vinyl Acetate	5.84	43	367240	87.155	ug/l	100
24) 1,1-Dichloroethane	5.80	63	48851	17.866	ug/l	98
25) 2-Butanone	6.79	43	89428	82.797	ug/l	100
26) 2,2-Dichloropropane	6.77	77	44012	19.110	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	27277	17.538	ug/l	99
28) Bromochloromethane	7.15	49	26383	20.358	ug/l	97
29) Tetrahydrofuran	7.17	42	58080	79.827	ug/l	100
30) Chloroform	7.33	83	47979	17.316	ug/l	95
31) Cyclohexane	7.62	56	42074	15.845	ug/l	# 96
32) 1,1,1-Trichloroethane	7.53	97	41645	17.260	ug/l	98
36) 1,1-Dichloropropene	7.75	75	35224	17.748	ug/l	99
37) Ethyl Acetate	6.88	43	37974	16.321	ug/l	100
38) Carbon Tetrachloride	7.73	117	30728	18.480	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050620\
 Data File : VN061311.D
 Acq On : 6 May 2020 15:49
 Operator : JC/MD
 Sample : VN0506WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0506WBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/7/2020 10:36:37 AM

Quant Time: May 07 06:36:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 05 07:01:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	34787	15.629	ug/l	99
40) Benzene	8.00	78	103849	17.563	ug/l	99
41) Methacrylonitrile	7.13	41	19351m	20.031	ug/l	
42) 1,2-Dichloroethane	8.08	62	41499	18.526	ug/l	99
43) Isopropyl Acetate	8.13	43	65466	16.954	ug/l #	91
44) Trichloroethene	8.80	130	26469	16.559	ug/l	97
45) 1,2-Dichloropropane	9.08	63	28147	17.818	ug/l	100
46) Dibromomethane	9.17	93	17518	17.910	ug/l	99
47) Bromodichloromethane	9.37	83	38104	18.150	ug/l	99
48) Methyl methacrylate	9.17	41	30344	17.414	ug/l	95
49) 1,4-Dioxane	9.16	88	4188	211.736	ug/l	93
51) 4-Methyl-2-Pentanone	9.95	43	190643	83.876	ug/l	100
52) Toluene	10.12	92	62353	17.508	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	42074	17.786	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	44136	17.648	ug/l	100
55) 1,1,2-Trichloroethane	10.53	97	24886	17.518	ug/l	98
56) Ethyl methacrylate	10.40	69	36713	16.749	ug/l	96
57) 1,3-Dichloropropane	10.68	76	44890	17.977	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	66240	57.606	ug/l	100
59) 2-Hexanone	10.72	43	136464	82.526	ug/l	98
60) Dibromochloromethane	10.87	129	26000	17.475	ug/l	100
61) 1,2-Dibromoethane	10.98	107	24601	17.278	ug/l	99
64) Tetrachloroethene	10.60	164	24746	15.596	ug/l	97
65) Chlorobenzene	11.41	112	64375	17.714	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	23707	18.226	ug/l	99
67) Ethyl Benzene	11.48	91	119186	17.519	ug/l	100
68) m/p-Xylenes	11.60	106	86459	34.721	ug/l	97
69) o-Xylene	11.92	106	41058	17.165	ug/l	97
70) Styrene	11.94	104	68735	17.169	ug/l	99
71) Bromoform	12.10	173	16394	17.150	ug/l #	99
73) Isopropylbenzene	12.22	105	113012	18.279	ug/l	100
74) N-amyl acetate	12.05	43	52776	16.857	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	35752	18.545	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	32097m	18.102	ug/l	
77) Bromobenzene	12.50	156	25839	18.104	ug/l	98
78) n-propylbenzene	12.57	91	133666	18.227	ug/l	100
79) 2-Chlorotoluene	12.65	91	79084	18.347	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	92826	18.140	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	11932	17.089	ug/l	96
82) 4-Chlorotoluene	12.75	91	83911	18.470	ug/l	99
83) tert-Butylbenzene	12.97	119	75605	17.522	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	94714	17.965	ug/l	99
85) sec-Butylbenzene	13.15	105	100996	17.168	ug/l	99
86) p-Isopropyltoluene	13.26	119	90368	17.050	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	47634	18.129	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	47711	17.772	ug/l	99
89) n-Butylbenzene	13.59	91	81108	16.692	ug/l	99
90) Hexachloroethane	13.85	117	10839	24.241	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	45133	17.915	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.25	75	7054	17.325	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050620\
Data File : VN061311.D
Acq On : 6 May 2020 15:49
Operator : JC/MD
Sample : VN0506WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0506WBSD01

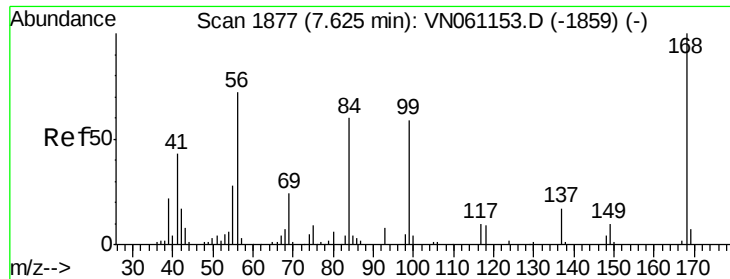
Manual Integrations
APPROVED

MMDadoda
5/7/2020 10:36:37 AM

Quant Time: May 07 06:36:55 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
Quant Title : SW846 8260
QLast Update : Tue May 05 07:01:08 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	25387	16.548	ug/l	98
94) Hexachlorobutadiene	14.98	225	10939	17.068	ug/l	97
95) Naphthalene	15.11	128	76202	15.252	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	25527	16.853	ug/l	97

(#) = 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: VN061311.D

Acq: 6 May 2020 15:49

Instrument :

MSVOA_N

ClientSampled :

VN0506WBSD01

Tot Ion:168 Resp: 115357

Ion Ratio Lower Upper

168 100

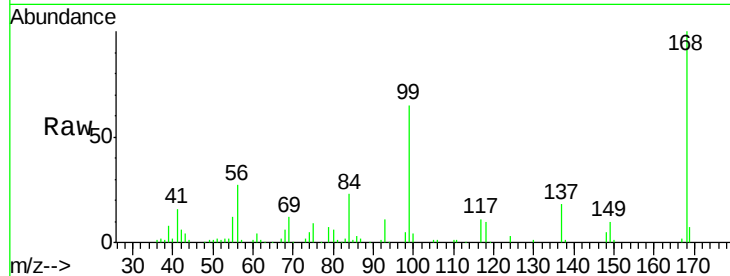
99 65.3 51.2 76.8

Manual Integrations

APPROVED

MMDadoda

5/7/2020 10:36:37 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

50000

40000

30000

20000

10000

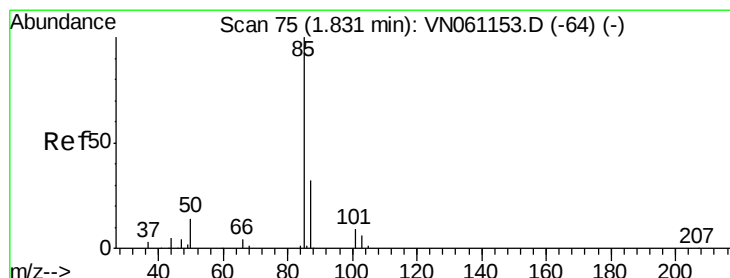
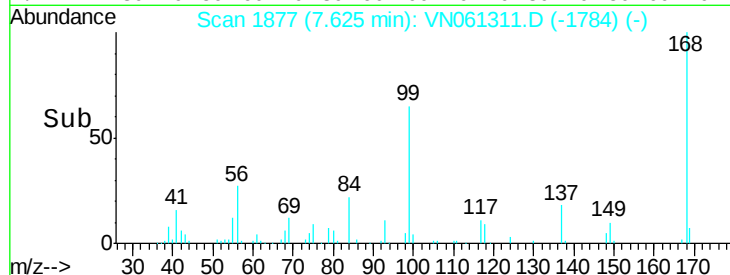
0

7.50

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 16.747 ug/l

RT: 1.83 min Scan# 75

Delta R.T. 0.00 min

Lab File: VN061311.D

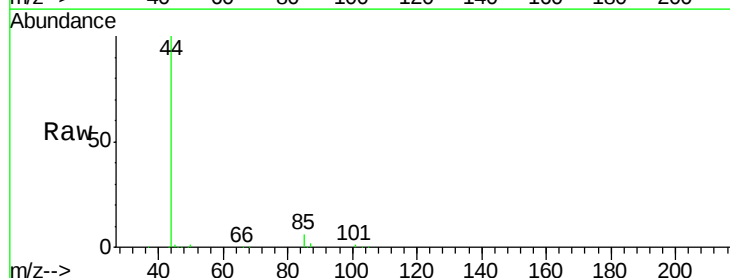
Acq: 6 May 2020 15:49

Tgt Ion: 85 Resp: 20486

Ion Ratio Lower Upper

85 100

87 31.6 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

15000

10000

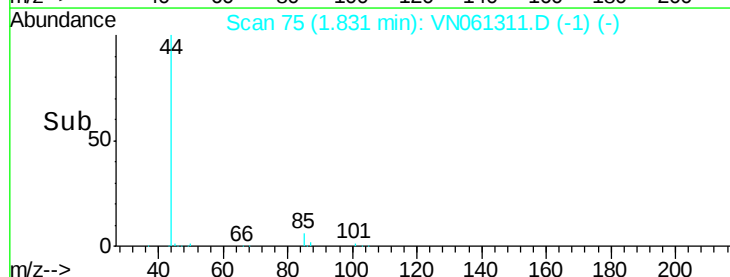
5000

0

1.80

1.85

Time-->





#3

Chloromethane

Concen: 18.302 ug/l

RT: 2.03 min Scan# 138

Delta R.T. 0.00 min

Lab File: VN061311.D

Acq: 6 May 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

VN0506WBSD01

Tot Ion: 50 Resp: 27115

Ion Ratio Lower Upper

50 100

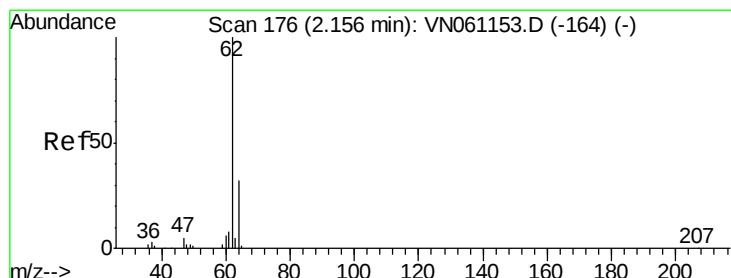
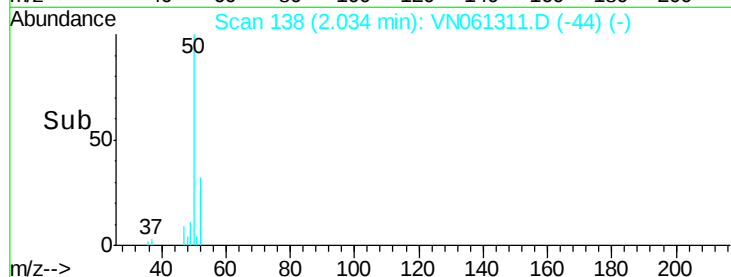
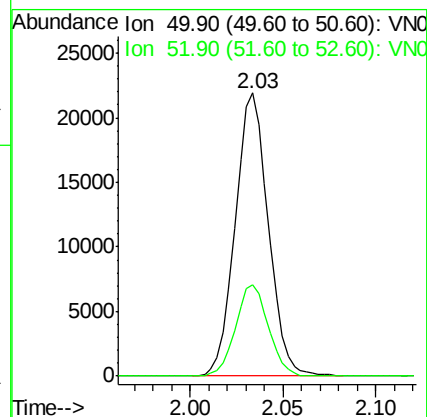
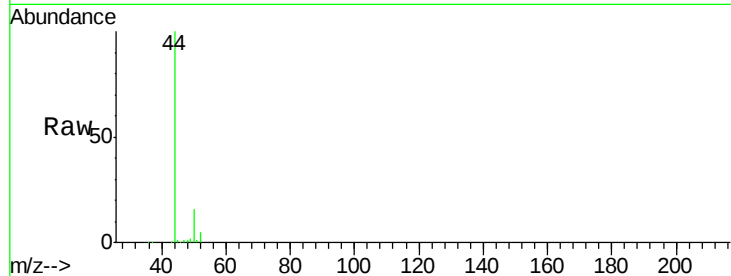
52 32.5 26.0 39.0

Manual Integrations

APPROVED

MMDadoda

5/7/2020 10:36:37 AM



#4

Vinyl Chloride

Concen: 18.054 ug/l

RT: 2.16 min Scan# 177

Delta R.T. 0.00 min

Lab File: VN061311.D

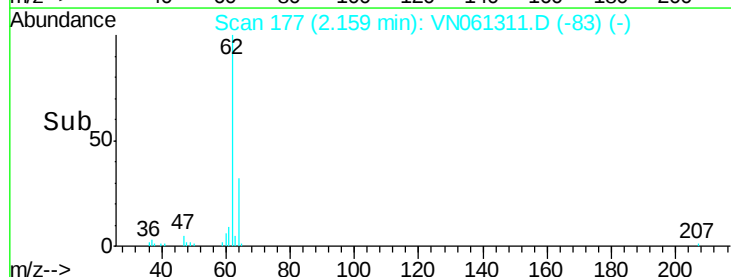
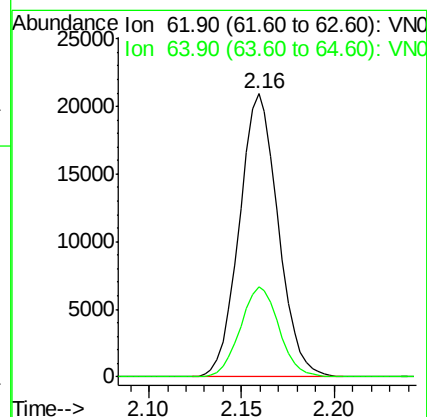
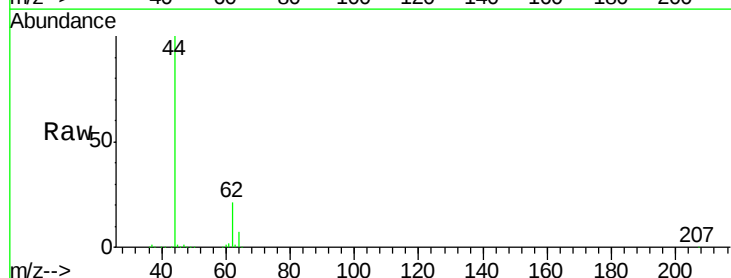
Acq: 6 May 2020 15:49

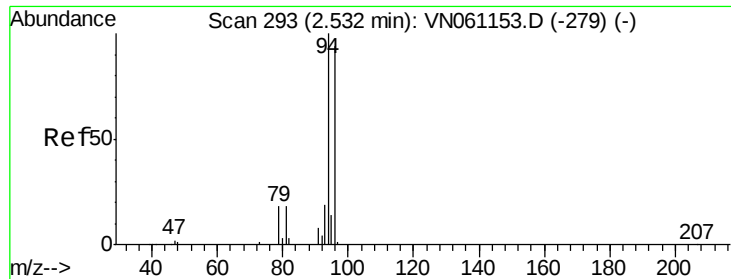
Tgt Ion: 62 Resp: 30380

Ion Ratio Lower Upper

62 100

64 31.7 25.2 37.8





#5

Bromomethane

Concen: 15.423 ug/l

RT: 2.54 min Scan# 296

Delta R.T. 0.01 min

Lab File: VN061311.D

Acq: 6 May 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

VN0506WBSD01

Tot Ion: 94 Resp: 12829

Ion Ratio Lower Upper

94 100

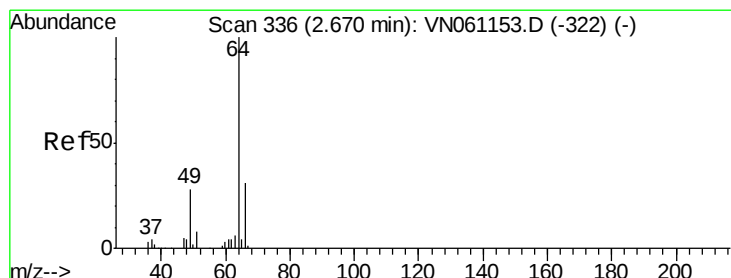
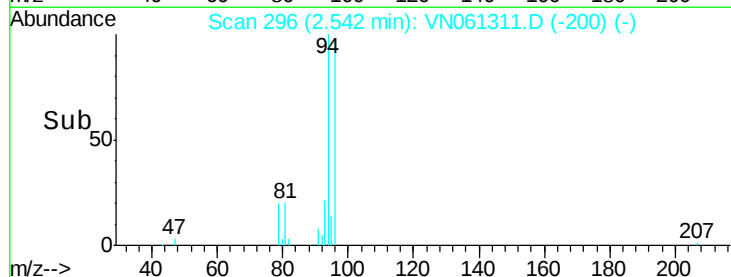
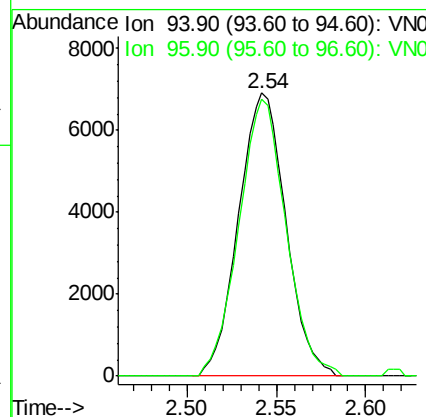
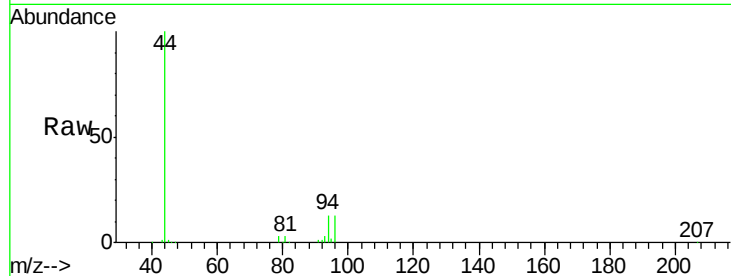
96 97.9 75.1 112.7

Manual Integrations

APPROVED

MMDadoda

5/7/2020 10:36:37 AM



#6

Chloroethane

Concen: 17.754 ug/l

RT: 2.67 min Scan# 337

Delta R.T. 0.00 min

Lab File: VN061311.D

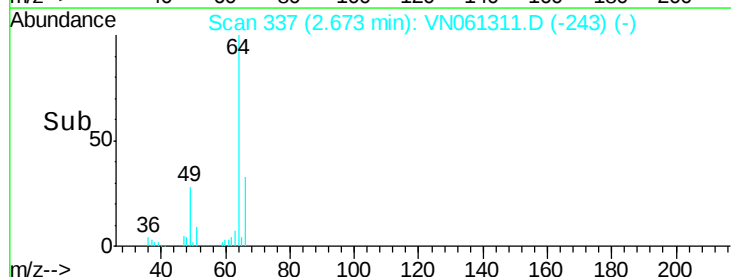
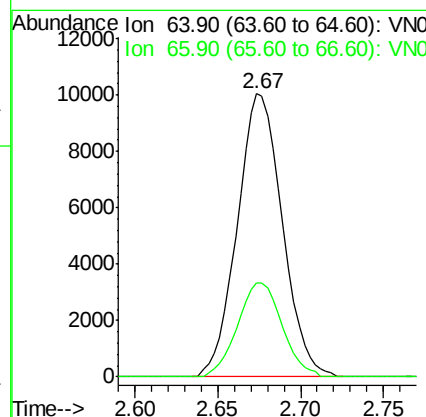
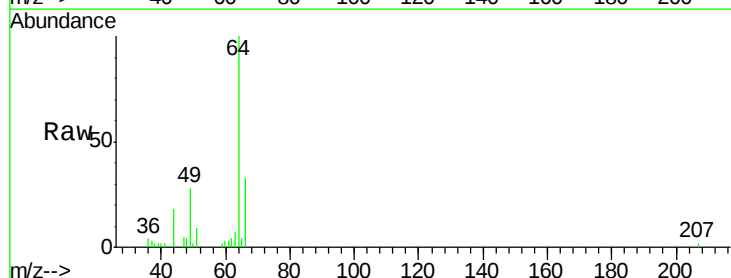
Acq: 6 May 2020 15:49

Tgt Ion: 64 Resp: 18936

Ion Ratio Lower Upper

64 100

66 33.3 24.6 36.8





#7

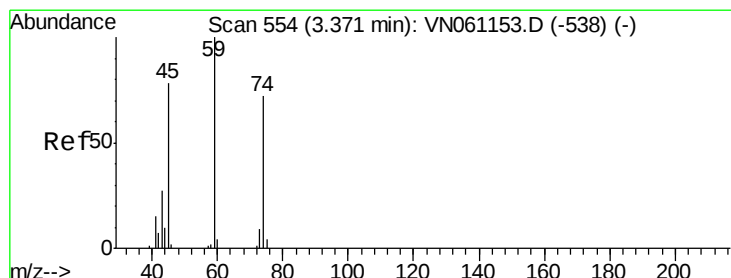
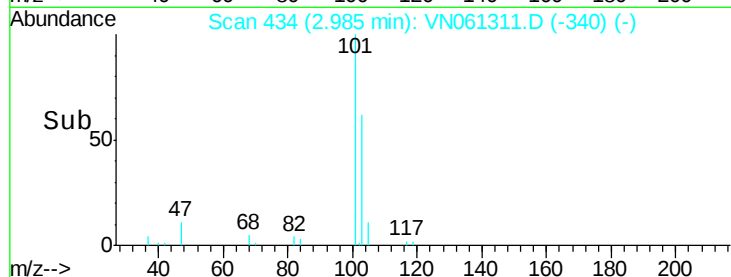
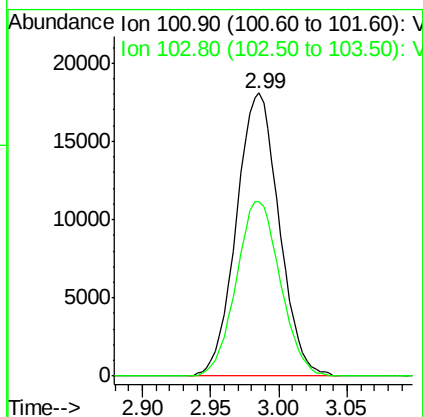
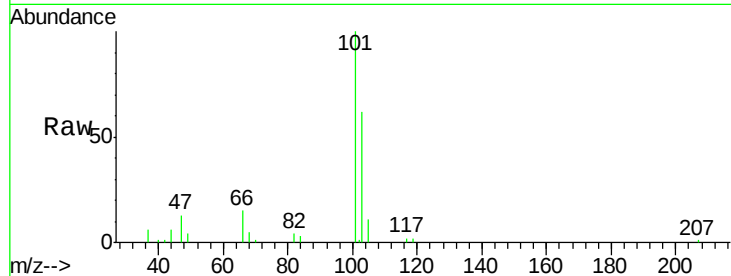
Trichlorofluoromethane
Concen: 20.704 ug/l
RT: 2.99 min Scan# 434
Delta R.T. 0.00 min
Lab File: VN061311.D
Acq: 6 May 2020 15:49

Instrument :
MSVOA_N
ClientSampleId :
VN0506WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.8	50.6	76.0

Manual Integrations
APPROVED

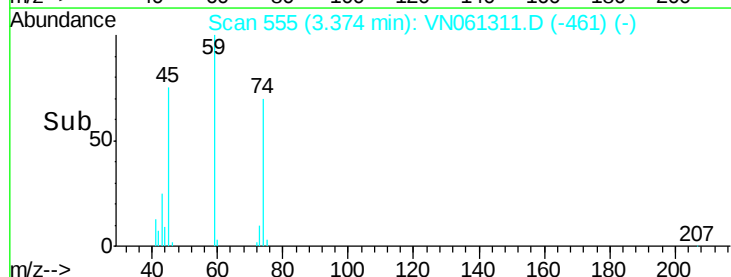
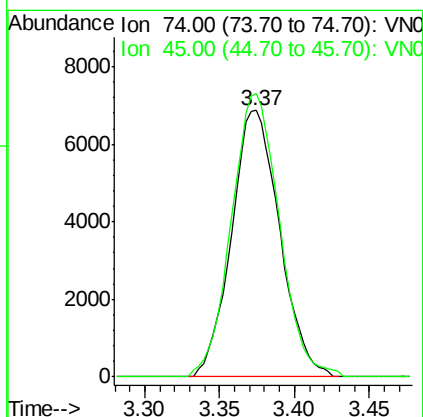
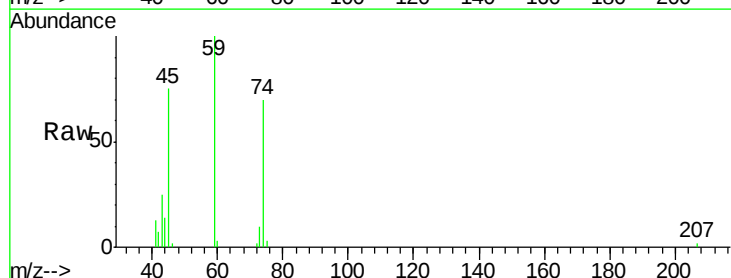
MMDadoda
5/7/2020 10:36:37 AM

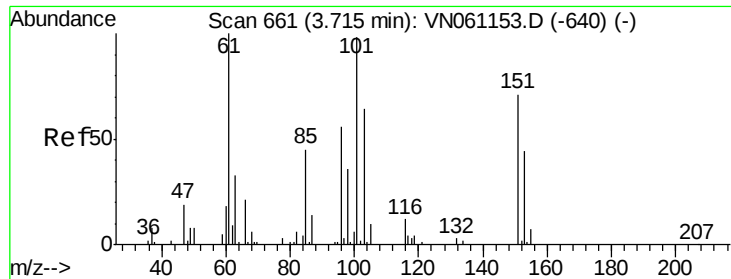


#8

Diethyl Ether
Concen: 19.450 ug/l
RT: 3.37 min Scan# 555
Delta R.T. 0.00 min
Lab File: VN061311.D
Acq: 6 May 2020 15:49

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.1	53.3	160.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.896 ug/l

RT: 3.72 min Scan# 661

Delta R.T. -0.00 min

Lab File: VN061311.D

Acq: 6 May 2020 15:49

Instrument :

MSVOA_N

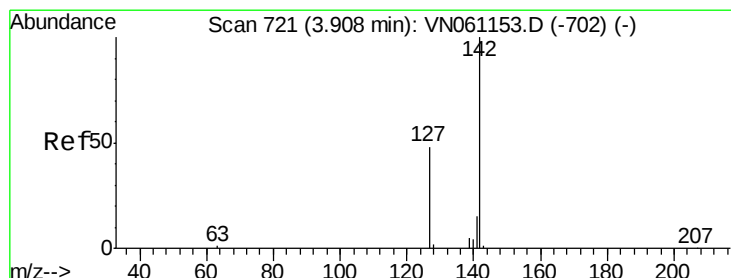
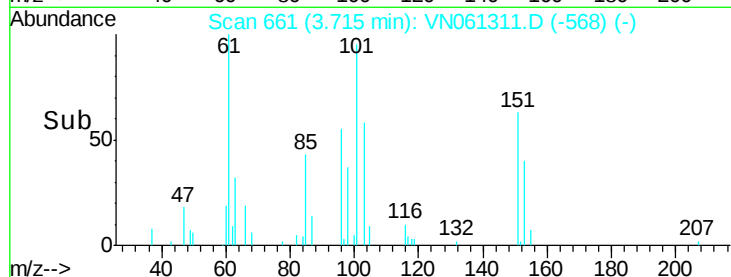
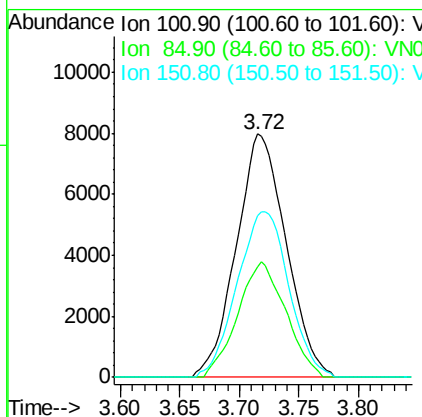
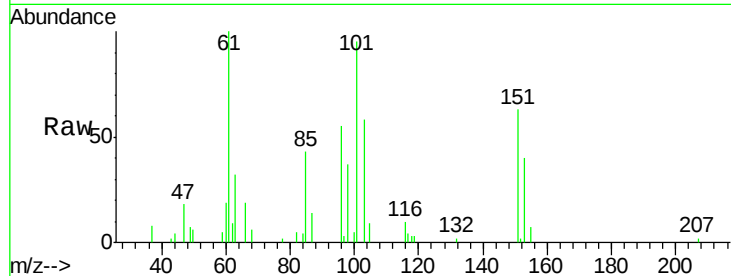
ClientSampled :

VN0506WBSD01

Tot Ion:	101	Resp:	23111
Ion Ratio	Lower	Upper	
101	100		
85	45.7	37.2	55.8
151	70.7	57.7	86.5

Manual Integrations
APPROVED

MMDadoda
5/7/2020 10:36:37 AM



#10

Methyl Iodide

Concen: 15.476 ug/l

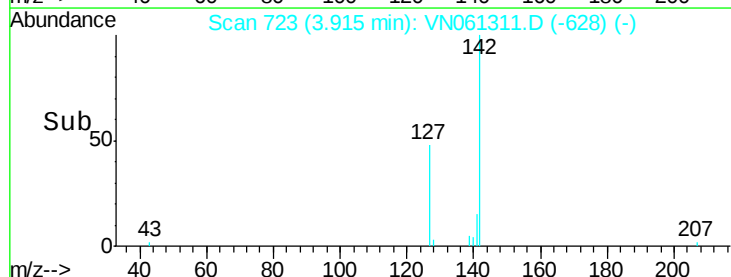
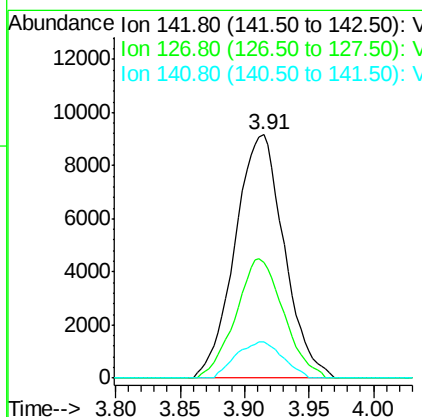
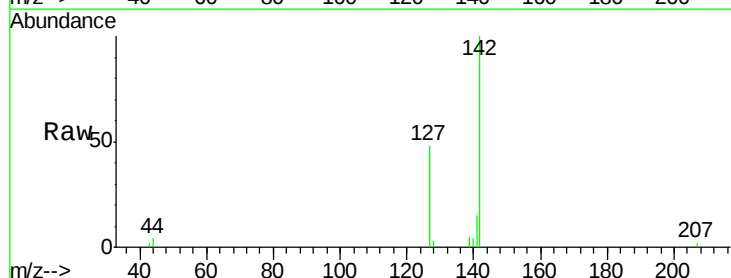
RT: 3.91 min Scan# 723

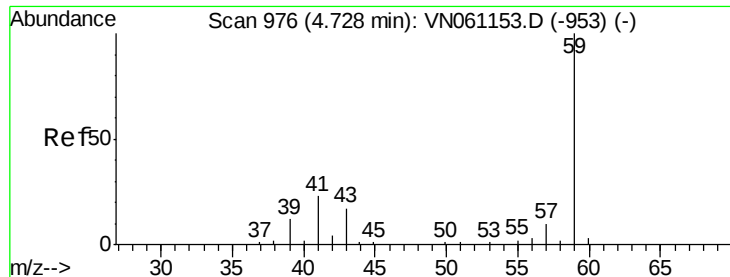
Delta R.T. 0.01 min

Lab File: VN061311.D

Acq: 6 May 2020 15:49

Tgt Ion:	142	Resp:	24326
Ion Ratio	Lower	Upper	
142	100		
127	47.8	38.0	57.0
141	14.0	11.7	17.5





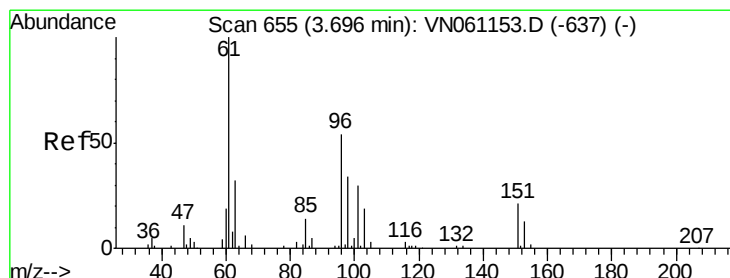
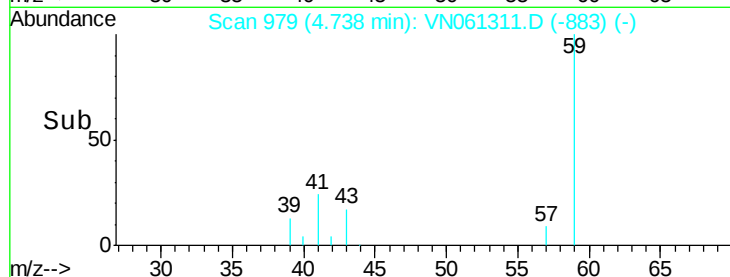
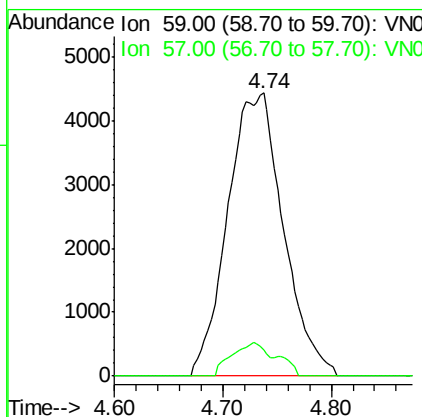
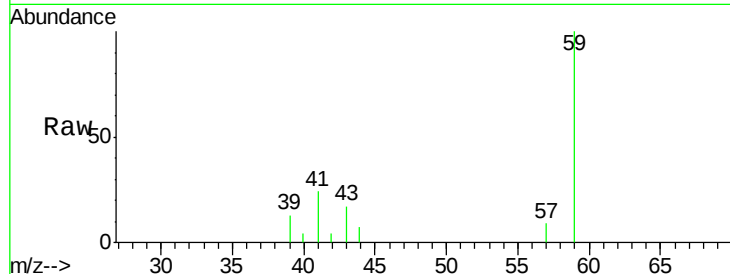
#11
Tert butyl alcohol
Concen: 64.598 ug/l m
RT: 4.74 min Scan# 979
Delta R.T. 0.01 min
Lab File: VN061311.D
Acq: 6 May 2020 15:49

Instrument :
MSVOA_N
ClientSampleId :
VN0506WBSD01

Tot Ion: 59 Resp: 15795
Ion Ratio Lower Upper
59 100
57 7.7 8.3 12.5#

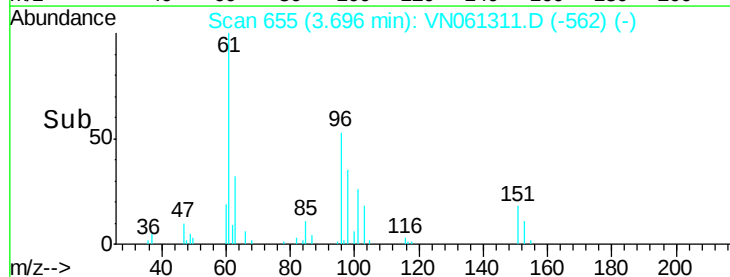
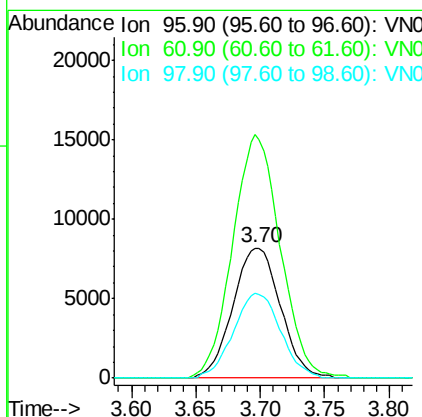
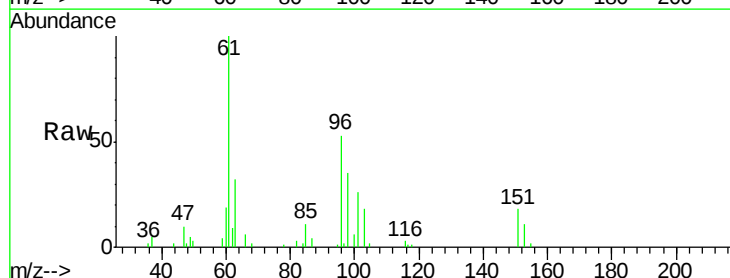
Manual Integrations
APPROVED

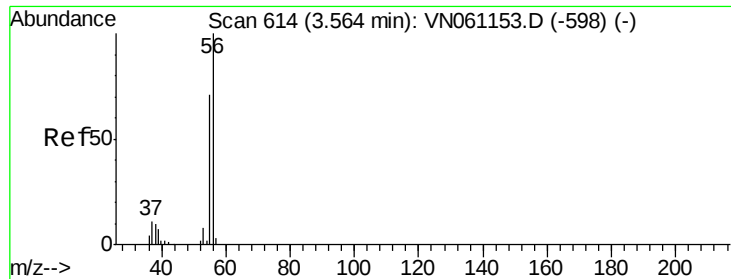
MMDadoda
5/7/2020 10:36:37 AM



#12
1,1-Dichloroethene
Concen: 17.289 ug/l
RT: 3.70 min Scan# 655
Delta R.T. -0.00 min
Lab File: VN061311.D
Acq: 6 May 2020 15:49

Tgt Ion: 96 Resp: 21043
Ion Ratio Lower Upper
96 100
61 187.6 147.0 220.6
98 65.6 49.8 74.6





#13

Acrolein

Concen: 62.782 ug/l

RT: 3.56 min Scan# 614

Delta R.T. 0.00 min

Lab File: VN061311.D

Acq: 6 May 2020 15:49

Tot Ion: 56 Resp: 10230

Ion Ratio Lower Upper

56 100

55 72.6 58.5 87.7

Instrument :

MSVOA_N

ClientSampled :

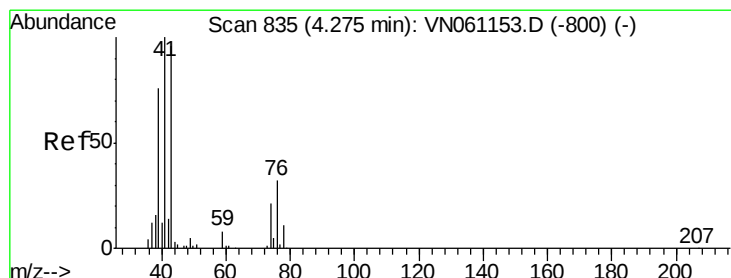
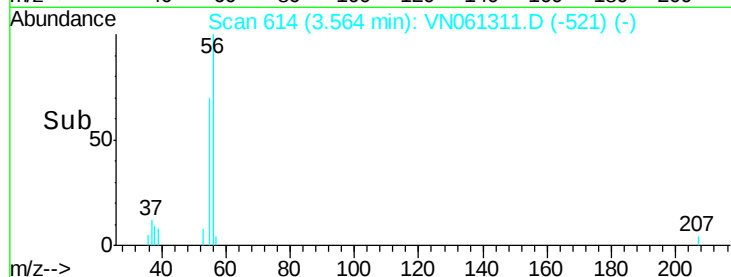
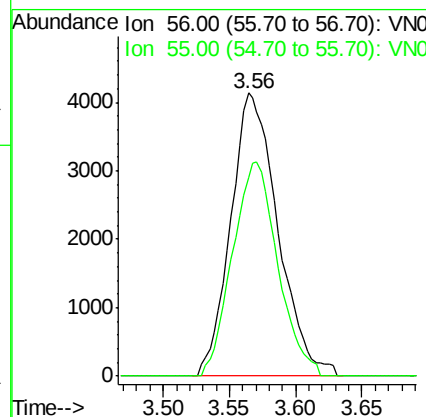
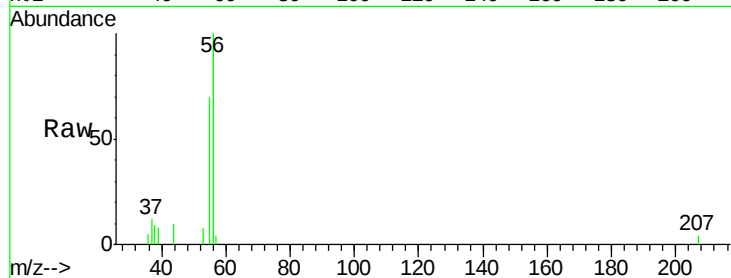
VN0506WBSD01

Manual Integrations

APPROVED

MMDadoda

5/7/2020 10:36:37 AM



#14

Allyl chloride

Concen: 19.634 ug/l

RT: 4.27 min Scan# 835

Delta R.T. 0.00 min

Lab File: VN061311.D

Acq: 6 May 2020 15:49

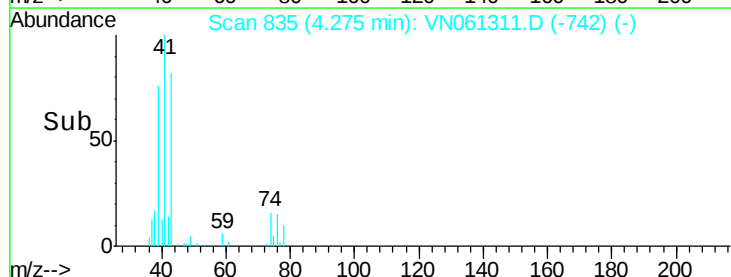
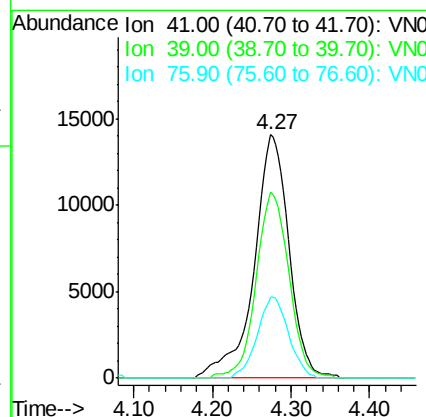
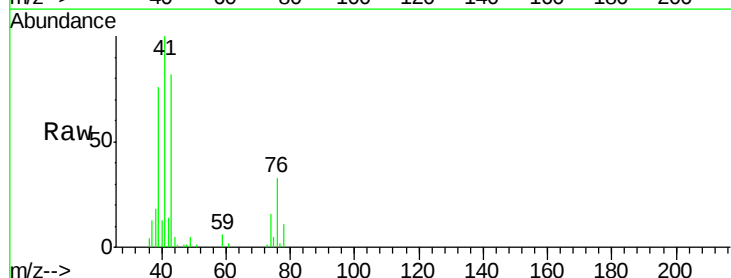
Tgt Ion: 41 Resp: 44309

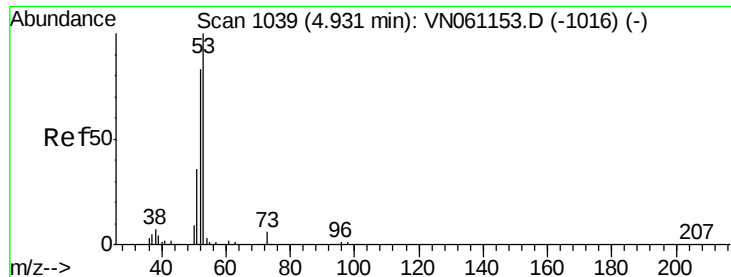
Ion Ratio Lower Upper

41 100

39 71.9 57.1 85.7

76 29.8 24.3 36.5





#15

Acrylonitrile

Concen: 83.410 ug/l

RT: 4.93 min Scan# 1038

Delta R.T. -0.00 min

Lab File: VN061311.D

Acq: 6 May 2020 15:49

Instrument :

MSVOA_N

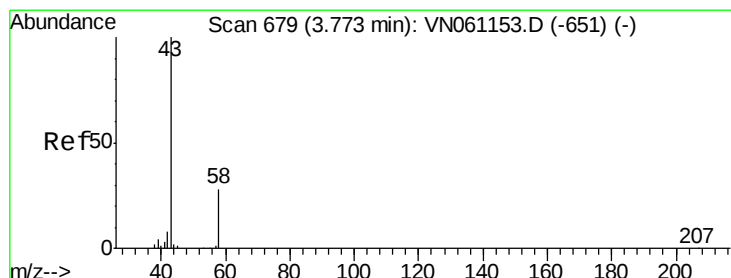
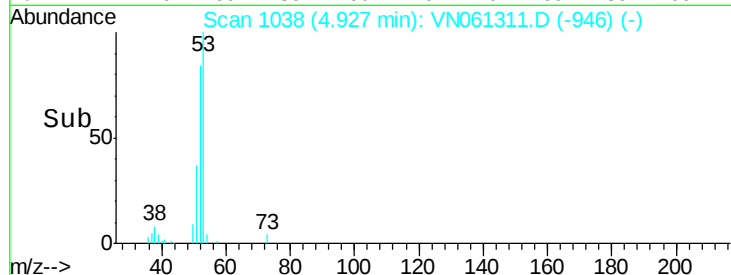
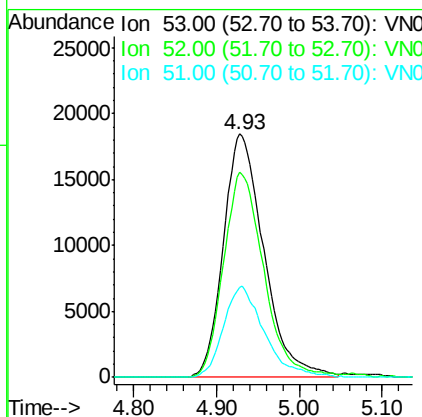
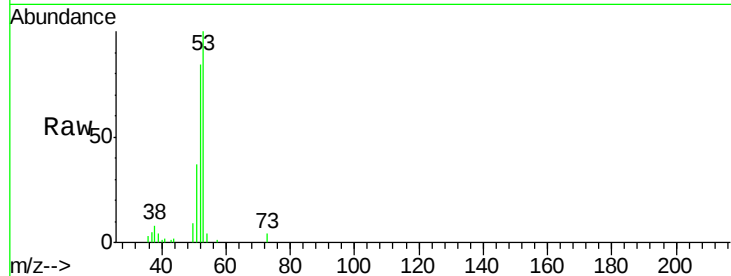
ClientSampleID :

VN0506WBSD01

Tot Ion:	53	Resp:	62607
Ion Ratio	Lower	Upper	
53	100		
52	84.0	65.4	98.0
51	37.7	29.5	44.3

Manual Integrations
APPROVED

MMDadoda
5/7/2020 10:36:37 AM



#16

Acetone

Concen: 88.030 ug/l

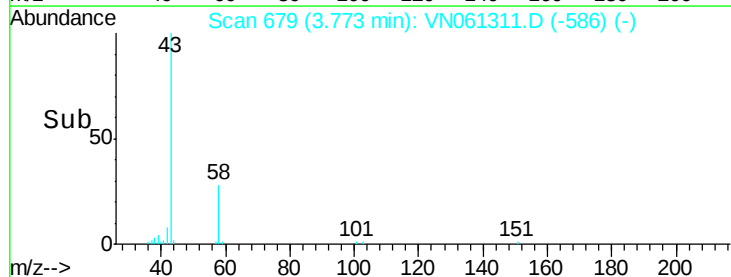
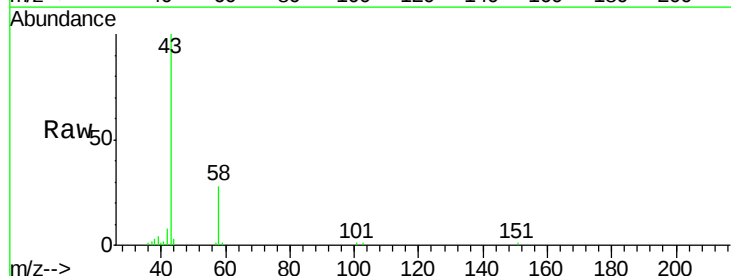
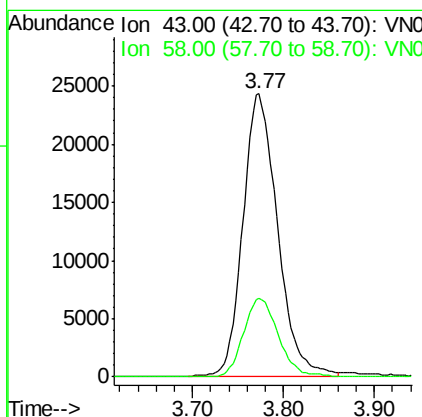
RT: 3.77 min Scan# 679

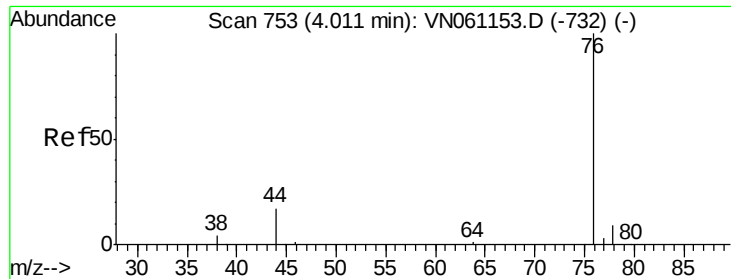
Delta R.T. 0.00 min

Lab File: VN061311.D

Acq: 6 May 2020 15:49

Tgt Ion:	43	Resp:	64670
Ion Ratio	Lower	Upper	
43	100		
58	27.9	22.2	33.2





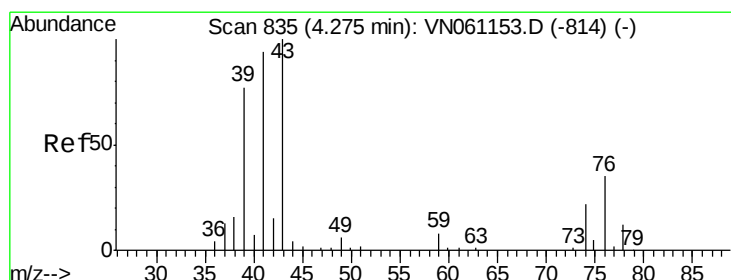
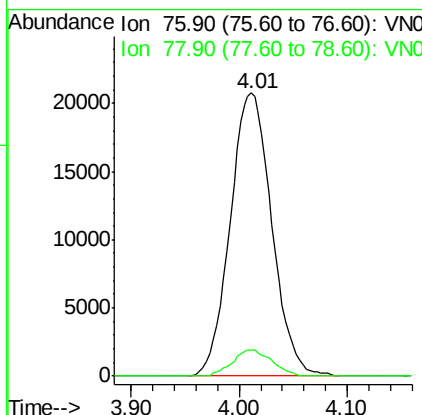
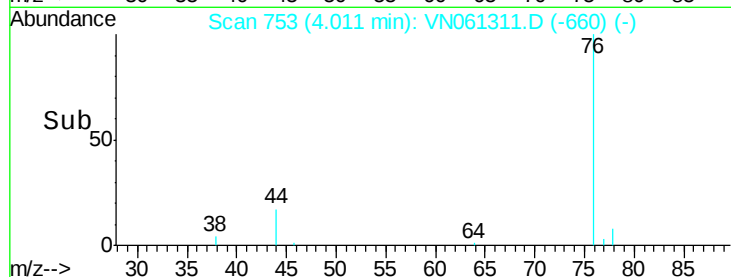
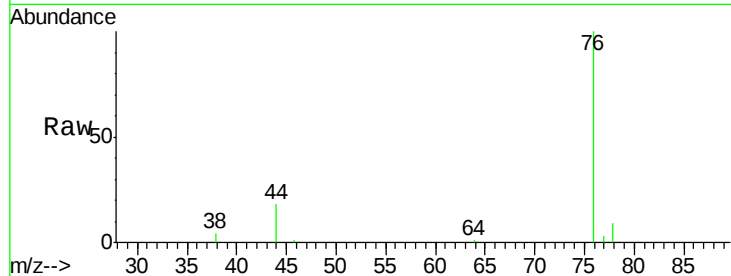
#17
Carbon Disulfide
Concen: 16.515 ug/l
RT: 4.01 min Scan# 753
Delta R.T. -0.00 min
Lab File: VN061311.D
Acq: 6 May 2020 15:49

Instrument :
MSVOA_N
ClientSampleId :
VN0506WBSD01

Tot Ion: 76 Resp: 55525
Ion Ratio Lower Upper
76 100
78 9.1 7.2 10.8

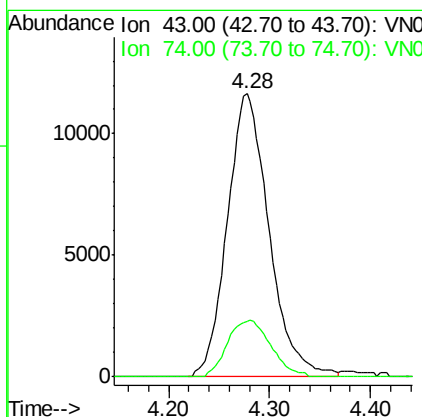
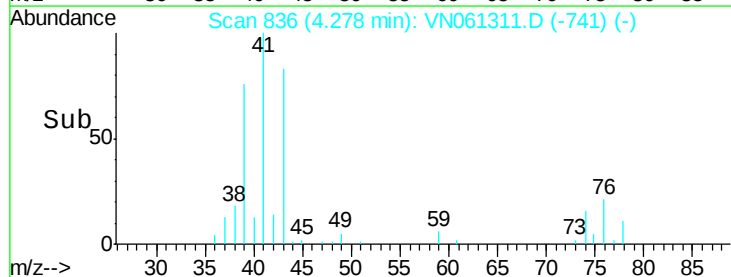
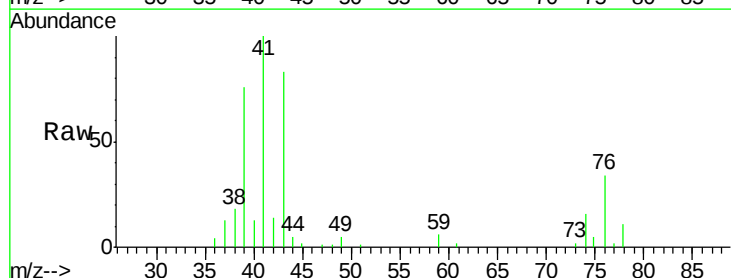
Manual Integrations
APPROVED

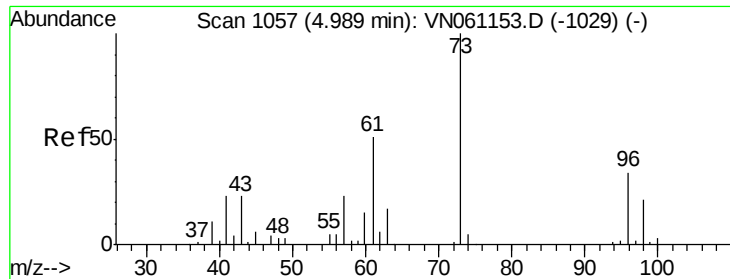
MMDadoda
5/7/2020 10:36:37 AM



#18
Methyl Acetate
Concen: 15.033 ug/l
RT: 4.28 min Scan# 836
Delta R.T. 0.00 min
Lab File: VN061311.D
Acq: 6 May 2020 15:49

Tgt Ion: 43 Resp: 33529
Ion Ratio Lower Upper
43 100
74 20.7 17.0 25.4





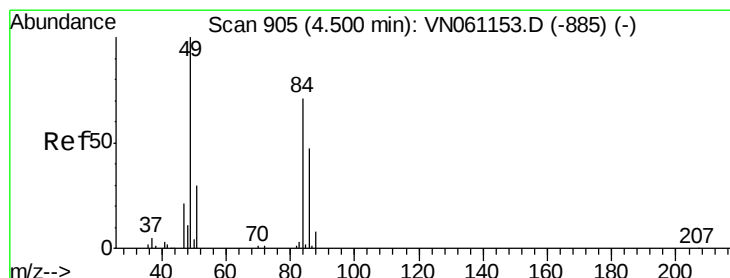
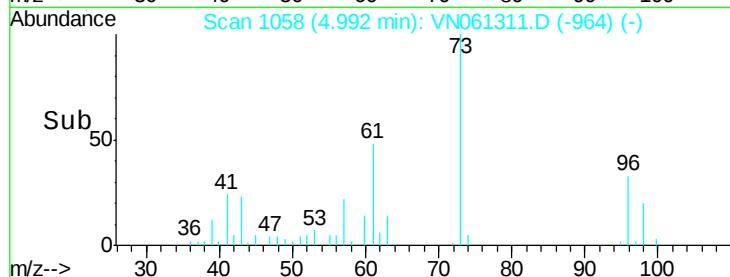
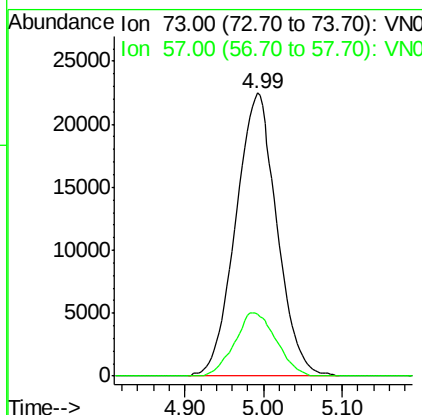
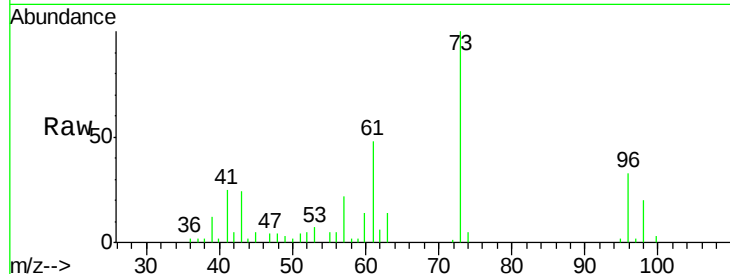
#19
Methvl tert-butvl Ether
Concen: 17.753 ug/l
RT: 4.99 min Scan# 1058
Delta R.T. 0.00 min
Lab File: VN061311.D
Acq: 6 May 2020 15:49

Instrument :
MSVOA_N
ClientSampleId :
VN0506WBSD01

Tot Ion: 73 Resp: 82566
Ion Ratio Lower Upper
73 100
57 21.9 18.3 27.5

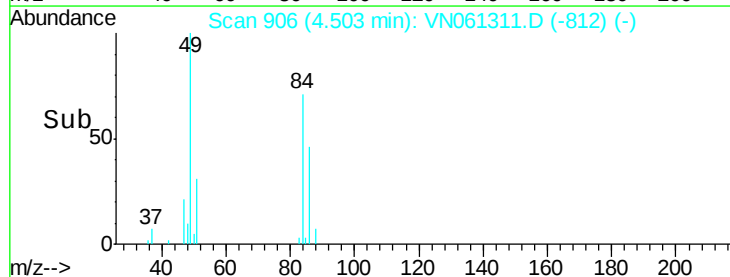
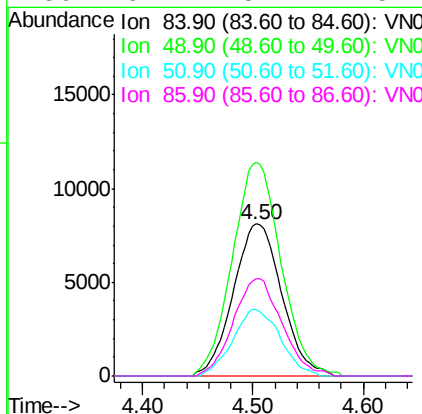
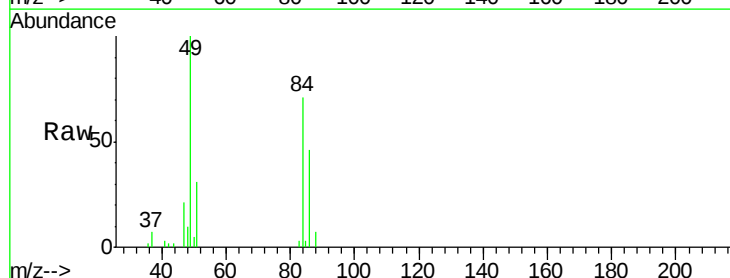
Manual Integrations
APPROVED

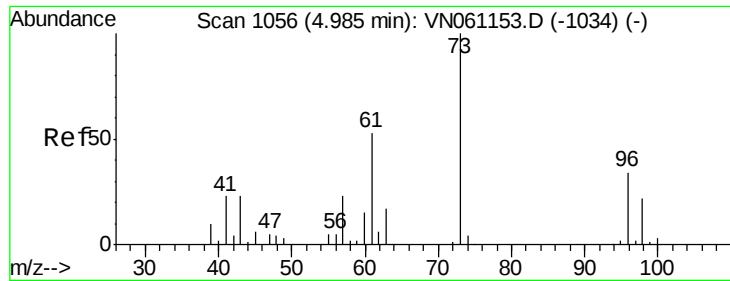
MMDadoda
5/7/2020 10:36:37 AM



#20
Methylene Chloride
Concen: 17.353 ug/l
RT: 4.50 min Scan# 906
Delta R.T. 0.00 min
Lab File: VN061311.D
Acq: 6 May 2020 15:49

Tgt Ion: 84 Resp: 24698
Ion Ratio Lower Upper
84 100
49 140.7 112.0 168.0
51 44.2 33.6 50.4
86 64.1 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 17.669 ug/l

RT: 4.99 min Scan# 1057

Delta R.T. 0.00 min

Lab File: VN061311.D

Acq: 6 May 2020 15:49

Instrument :

MSVOA_N

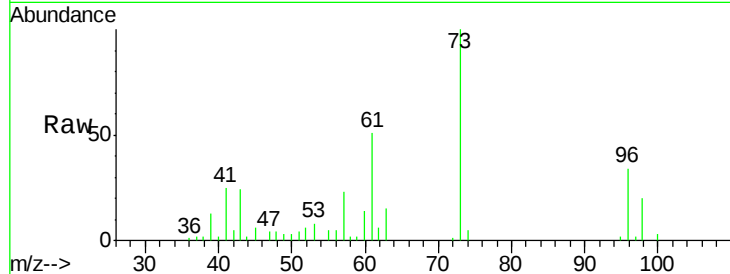
ClientSampleId :

VN0506WBSD01

Tot Ion:	96	Resp:	23417
Ion	Ratio	Lower	Upper
96	100		
61	151.2	123.0	184.4
98	59.8	50.1	75.1

Manual Integrations
APPROVED

MMDadoda
5/7/2020 10:36:37 AM

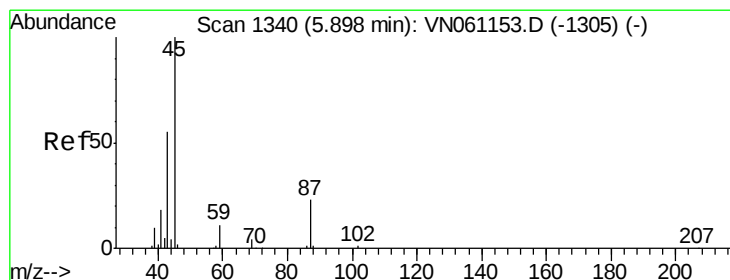
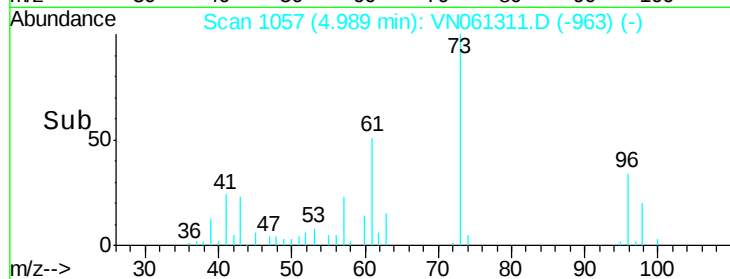
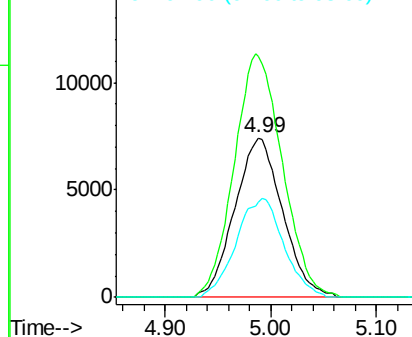


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 18.056 ug/l

RT: 5.90 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VN061311.D

Acq: 6 May 2020 15:49

Tgt Ion:	45	Resp:	94491
Ion	Ratio	Lower	Upper
45	100		
43	61.9	47.9	71.9
87	24.3	19.2	28.8
59	11.6	9.0	13.4

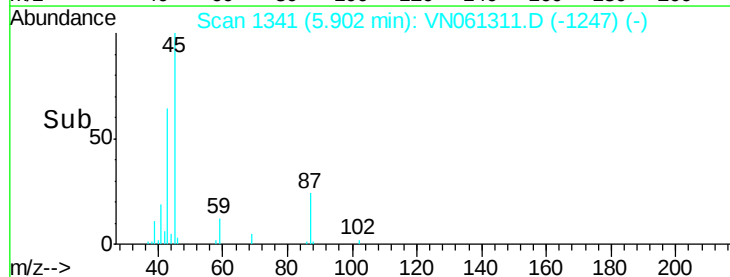
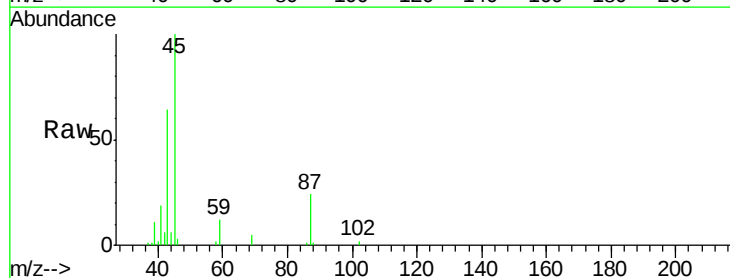
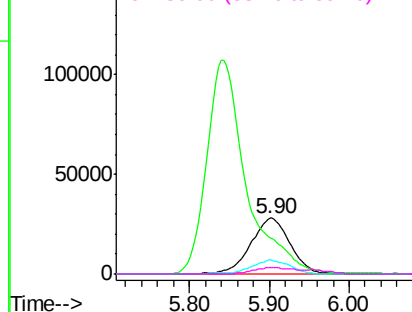
Abundance

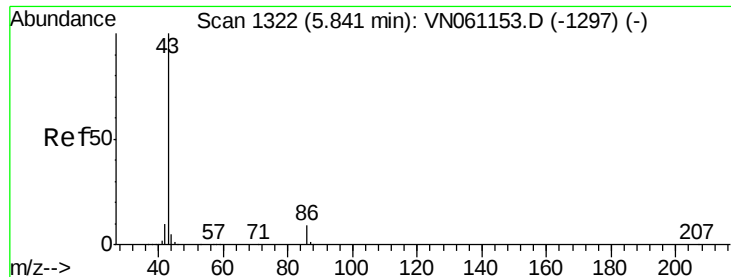
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 87.155 ug/l

RT: 5.84 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VN061311.D

Acq: 6 May 2020 15:49

Instrument :

MSVOA_N

ClientSampled :

VN0506WBSD01

Tot Ion: 43 Resp: 367240

Ion Ratio Lower Upper

43 100

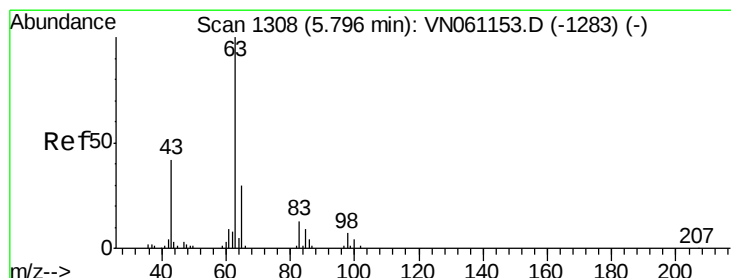
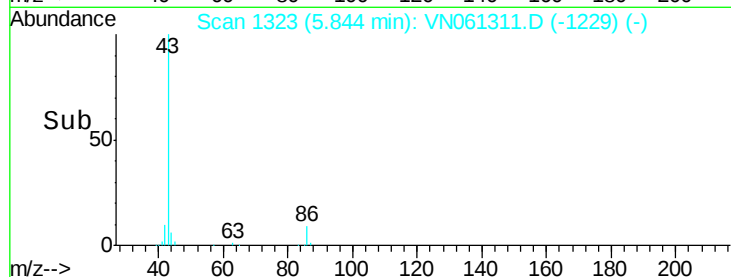
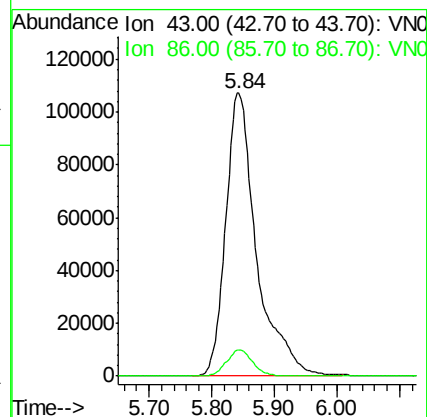
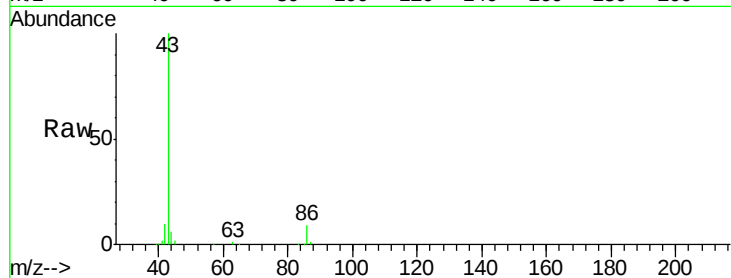
86 9.1 7.2 10.8

Manual Integrations

APPROVED

MMDadoda

5/7/2020 10:36:37 AM



#24

1,1-Dichloroethane

Concen: 17.866 ug/l

RT: 5.80 min Scan# 1309

Delta R.T. 0.00 min

Lab File: VN061311.D

Acq: 6 May 2020 15:49

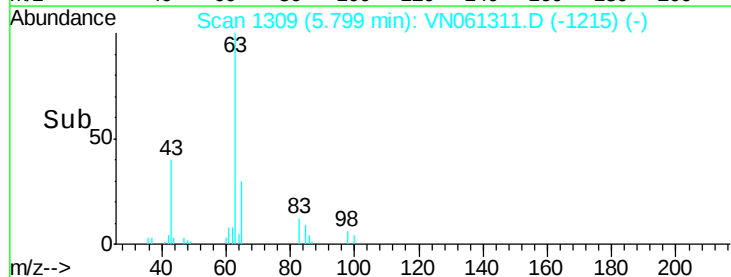
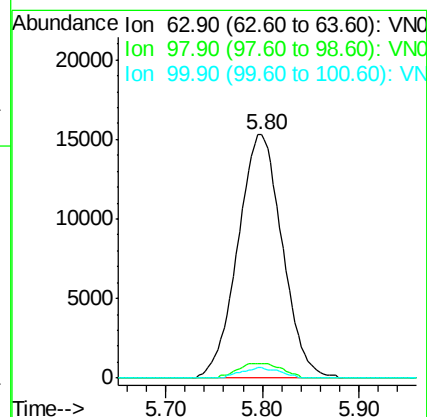
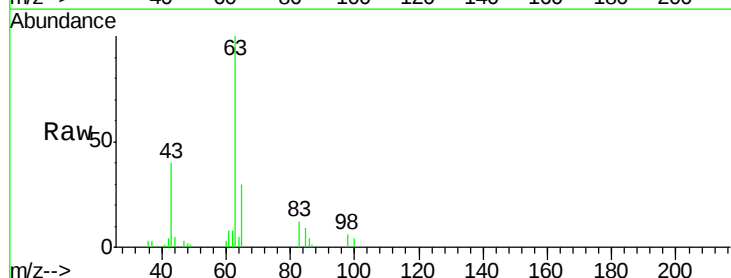
Tgt Ion: 63 Resp: 48851

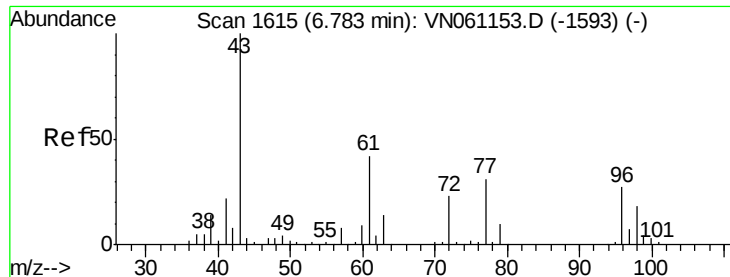
Ion Ratio Lower Upper

63 100

98 6.1 3.3 9.9

100 4.4 1.9 5.7





#25

2-Butanone

Concen: 82.797 ug/l

RT: 6.79 min Scan# 1616

Delta R.T. 0.00 min

Lab File: VN061311.D

Acq: 6 May 2020 15:49

Instrument :

MSVOA_N

ClientSampled :

VN0506WBSD01

Tot Ion: 43 Resp: 89428

Ion Ratio Lower Upper

43 100

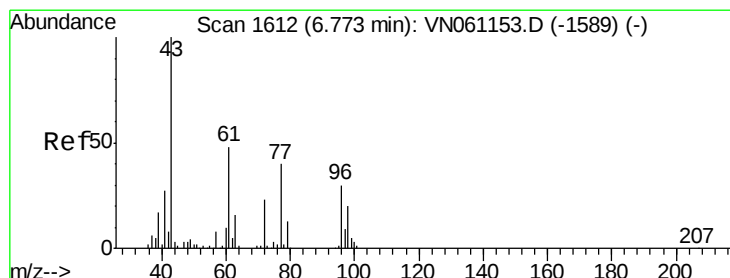
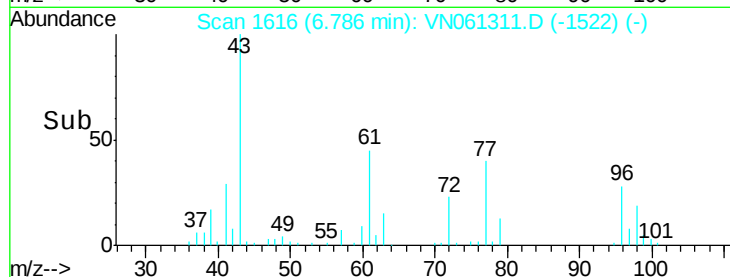
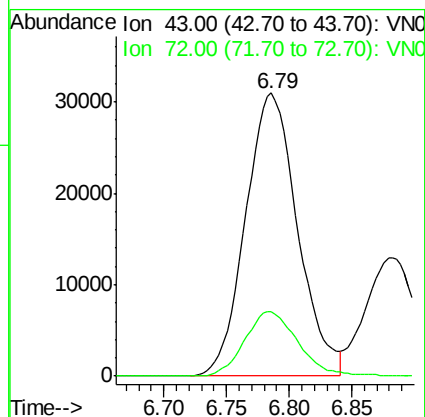
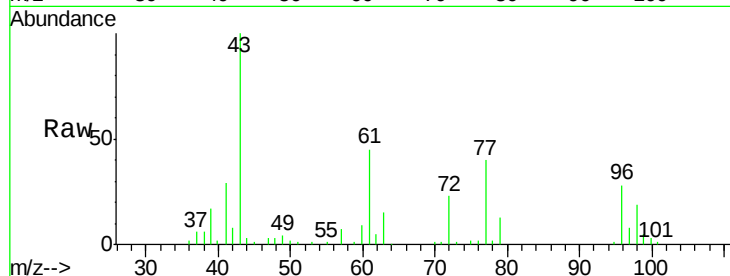
72 22.7 18.2 27.4

Manual Integrations

APPROVED

MMDadoda

5/7/2020 10:36:37 AM



#26

2,2-Dichloropropane

Concen: 19.110 ug/l

RT: 6.77 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VN061311.D

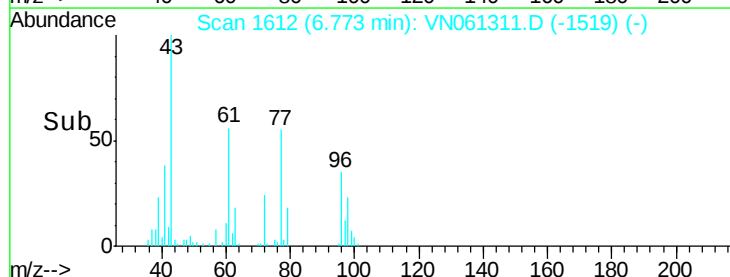
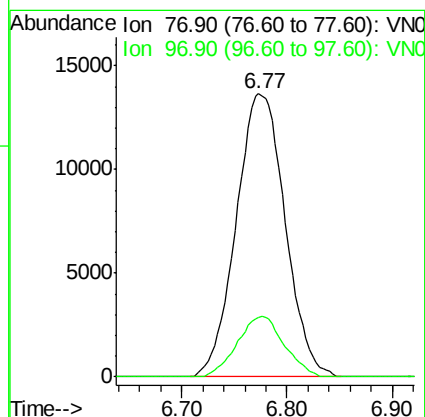
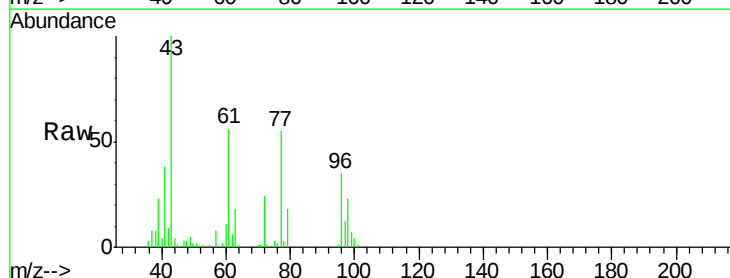
Acq: 6 May 2020 15:49

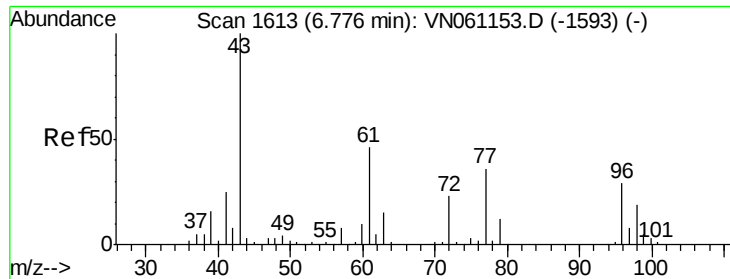
Tgt Ion: 77 Resp: 44012

Ion Ratio Lower Upper

77 100

97 20.4 10.5 31.5





#27

cis-1,2-Dichloroethene

Concen: 17.538 ug/l

RT: 6.78 min Scan# 1614

Delta R.T. 0.00 min

Lab File: VN061311.D

Acq: 6 May 2020 15:49

Instrument :

MSVOA_N

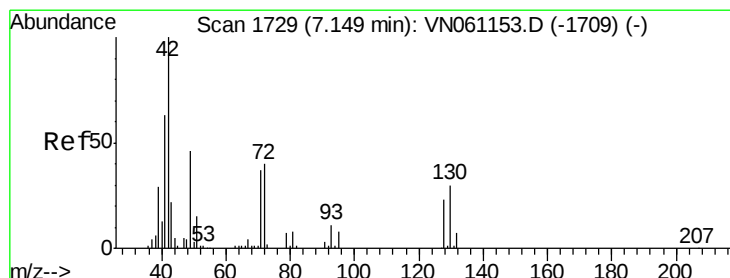
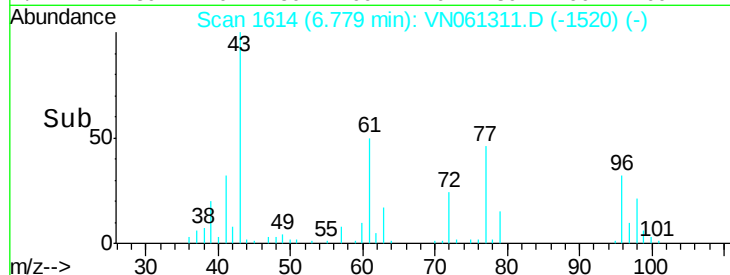
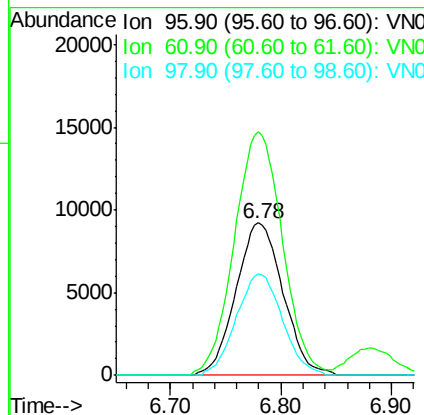
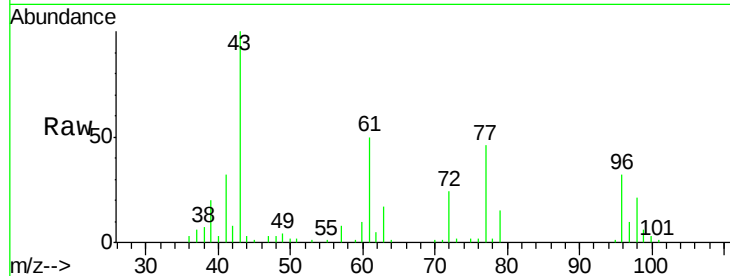
ClientSampled :

VN0506WBSD01

Tot Ion:	96	Resp:	27277
Ion	Ratio	Lower	Upper
96	100		
61	163.1	0.0	322.0
98	65.1	0.0	129.6

Manual Integrations
APPROVED

MMDadoda
5/7/2020 10:36:37 AM



#28

Bromochloromethane

Concen: 20.358 ug/l

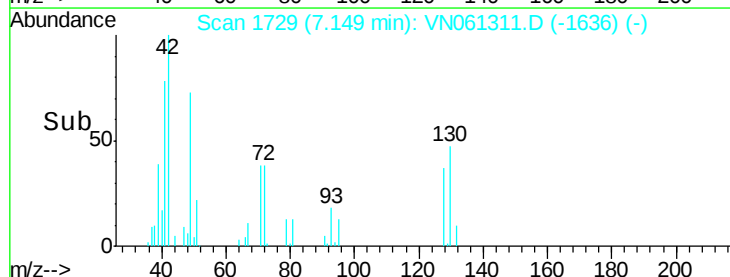
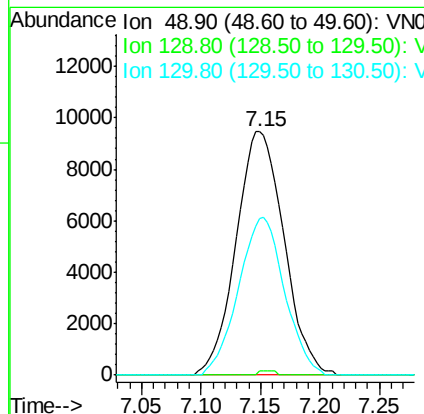
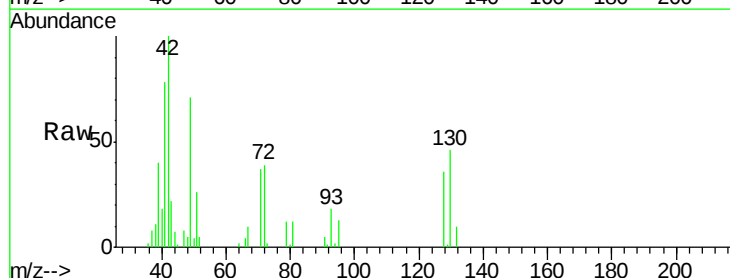
RT: 7.15 min Scan# 1729

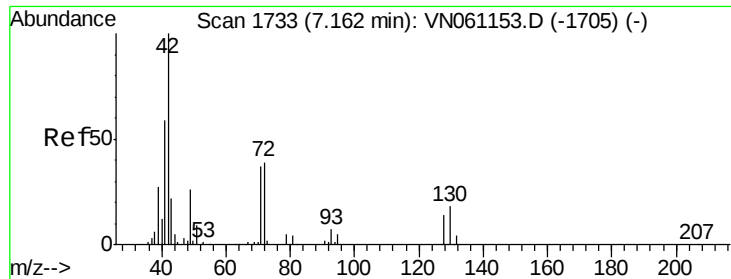
Delta R.T. 0.00 min

Lab File: VN061311.D

Acq: 6 May 2020 15:49

Tgt Ion:	49	Resp:	26383
Ion	Ratio	Lower	Upper
49	100		
129	0.6	0.0	3.0
130	62.1	51.4	77.2





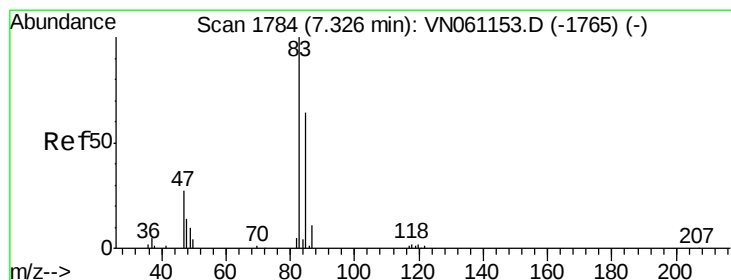
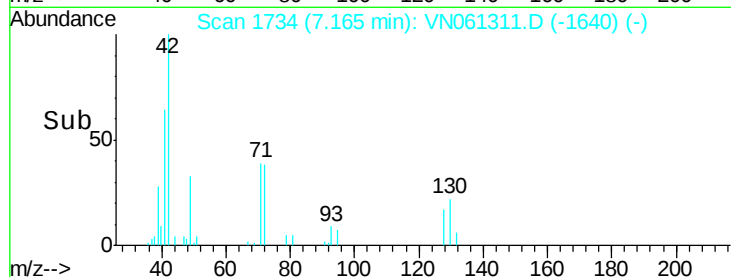
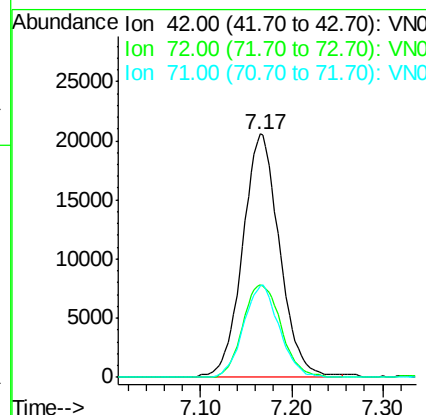
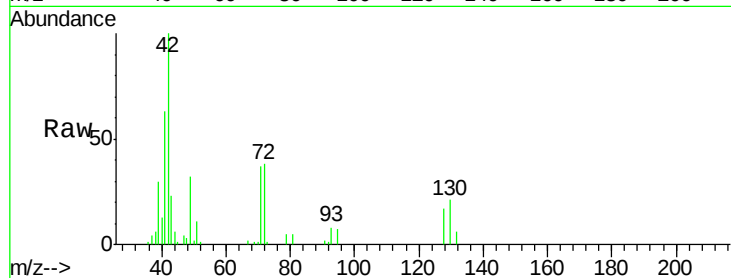
#29
Tetrahydrofuran
Concen: 79.827 ug/l
RT: 7.17 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN061311.D
Acq: 6 May 2020 15:49

Instrument :
MSVOA_N
ClientSampleId :
VN0506WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.3	31.4	47.0
71	36.6	29.5	44.3

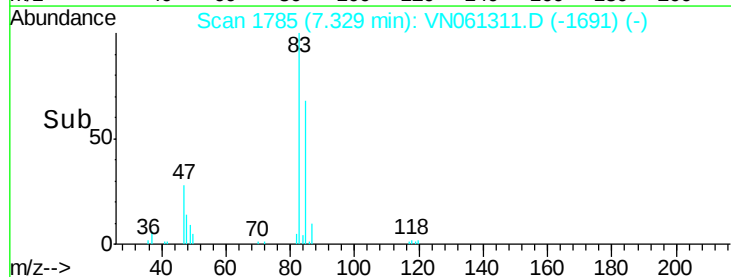
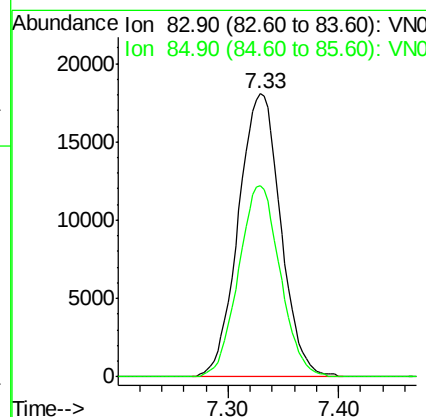
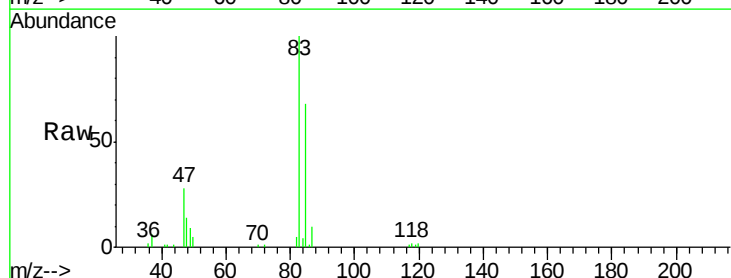
Manual Integrations
APPROVED

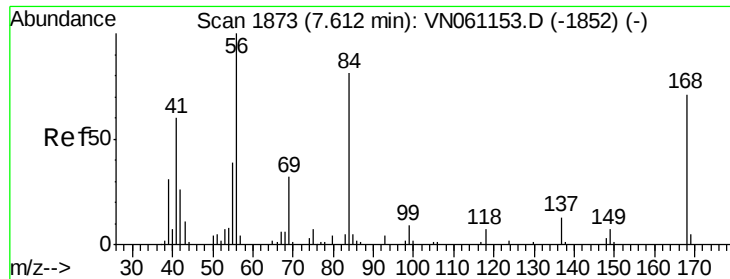
MMDadoda
5/7/2020 10:36:37 AM



#30
Chloroform
Concen: 17.316 ug/l
RT: 7.33 min Scan# 1785
Delta R.T. 0.00 min
Lab File: VN061311.D
Acq: 6 May 2020 15:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.7	51.1	76.7





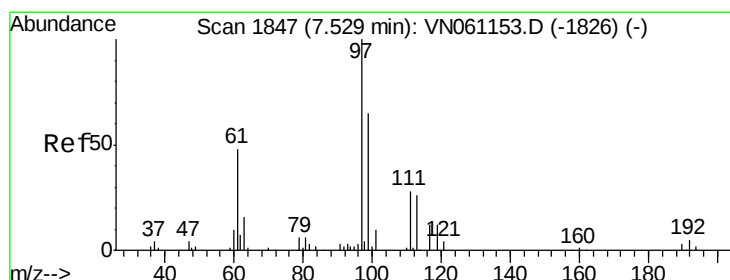
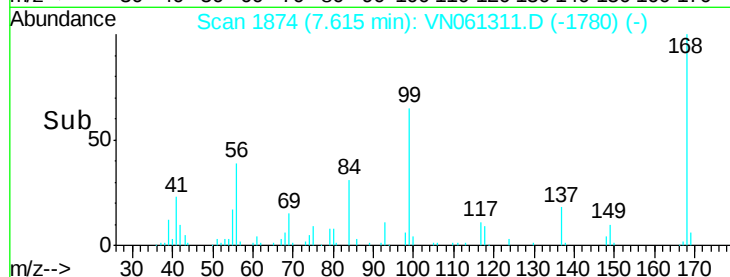
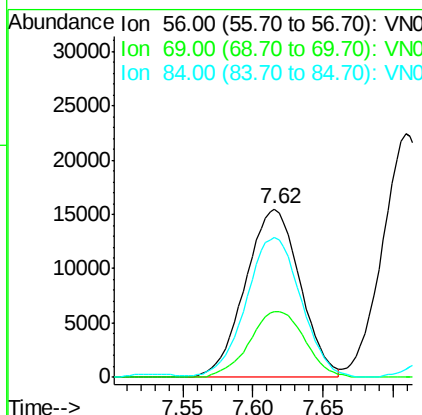
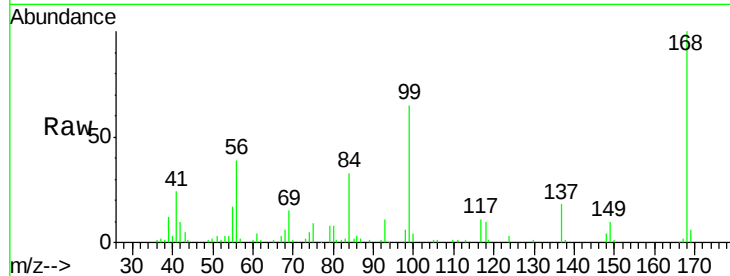
#31
Cyclohexane
Concen: 15.845 ug/l
RT: 7.62 min Scan# 1874
Delta R.T. 0.00 min
Lab File: VN061311.D
Acq: 6 May 2020 15:49

Instrument :
MSVOA_N
ClientSampleId :
VN0506WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.2	25.7	38.5#
84	81.6	64.6	97.0

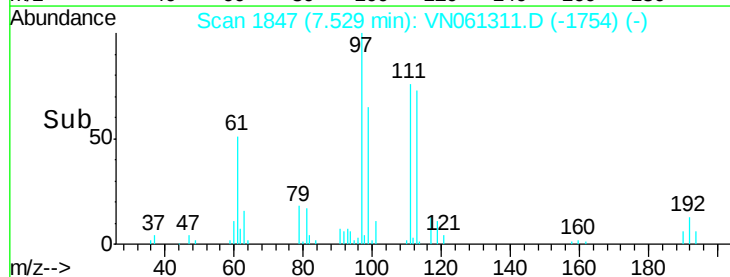
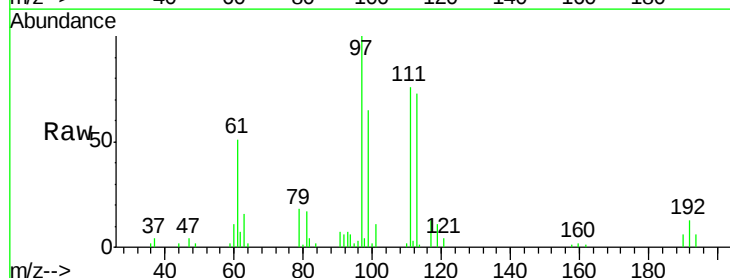
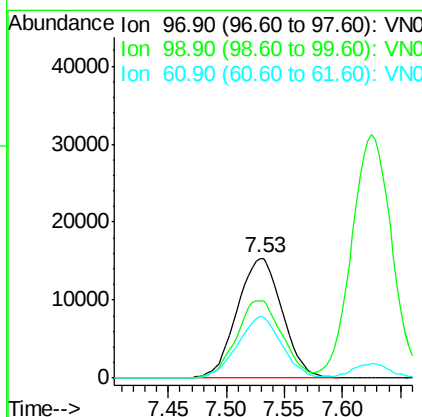
Manual Integrations
APPROVED

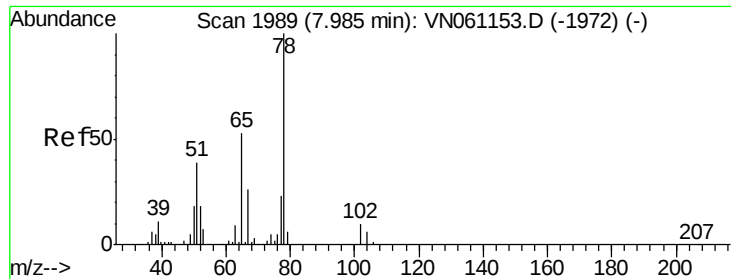
MMDadoda
5/7/2020 10:36:37 AM



#32
1,1,1-Trichloroethane
Concen: 17.260 ug/l
RT: 7.53 min Scan# 1847
Delta R.T. -0.00 min
Lab File: VN061311.D
Acq: 6 May 2020 15:49

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.3	76.9
61	49.9	38.6	57.8





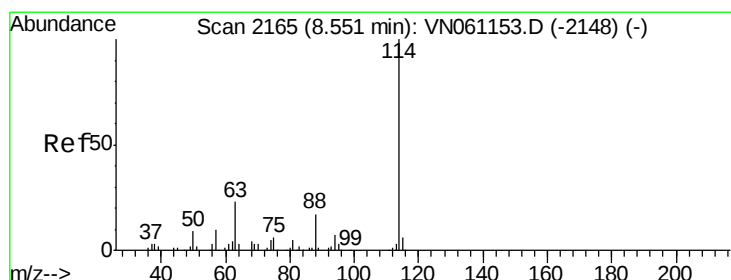
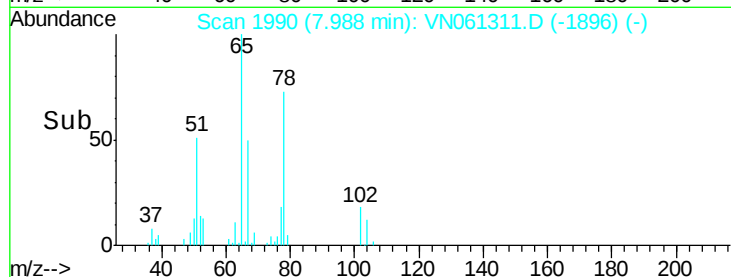
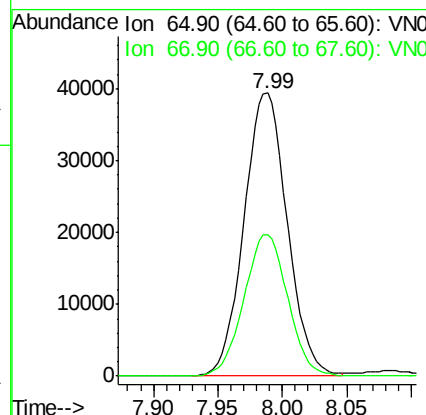
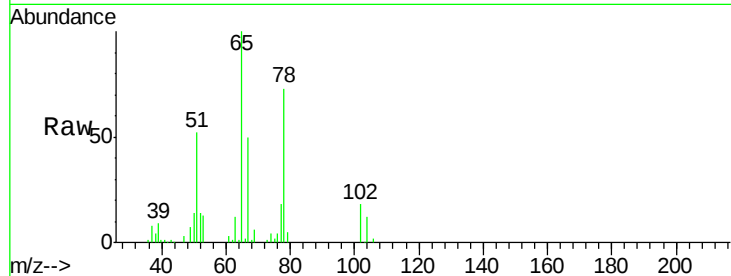
#33
 1,2-Dichloroethane-d4
 Concen: 50.481 ug/l
 RT: 7.99 min Scan# 1990
 Delta R.T. 0.00 min
 Lab File: VN061311.D
 Acq: 6 May 2020 15:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0506WBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.5	0.0	101.6

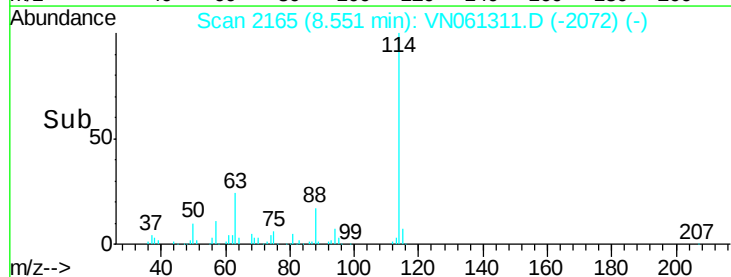
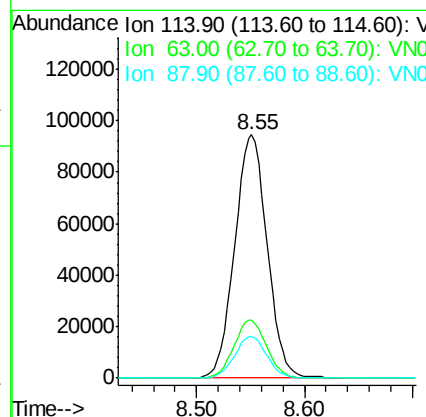
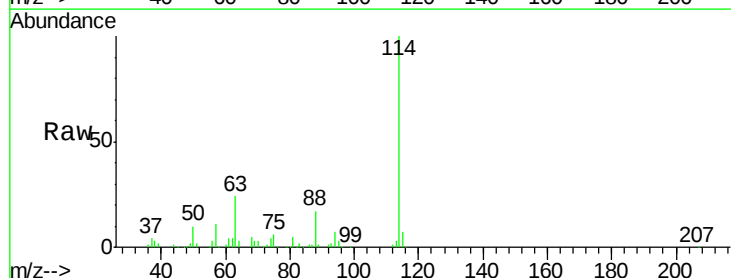
Manual Integrations
 APPROVED

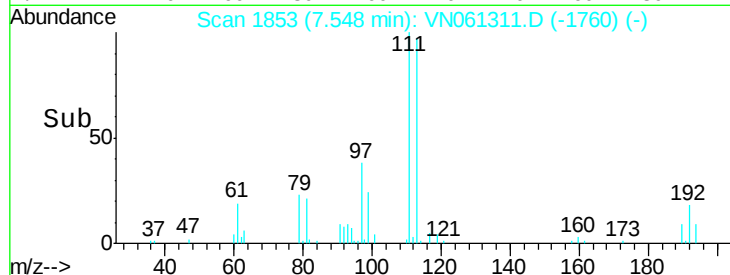
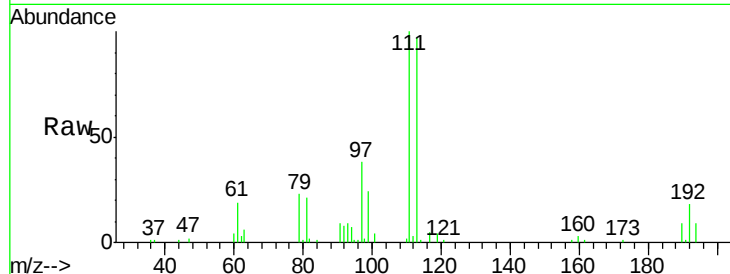
MMDadoda
 5/7/2020 10:36:37 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VN061311.D
 Acq: 6 May 2020 15:49

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.6	0.0	46.6
88	17.2	0.0	33.4





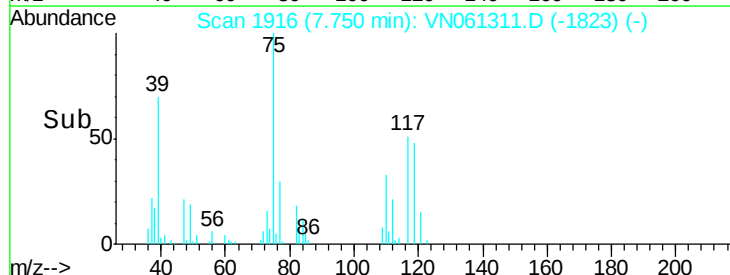
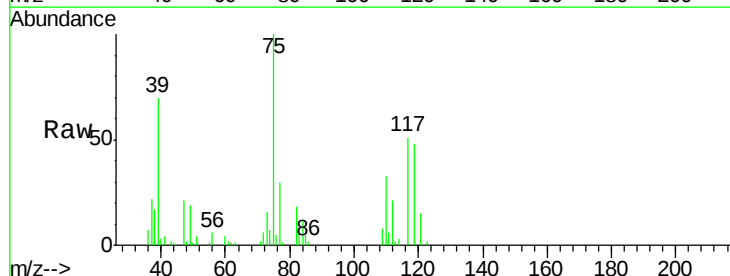
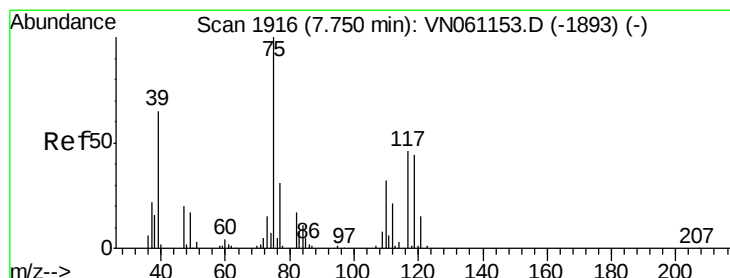
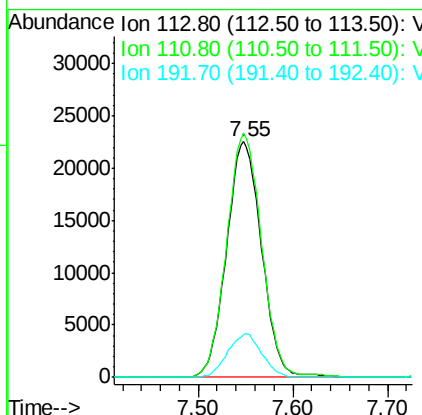
#35
Dibromofluoromethane
Concen: 49.447 ug/l
RT: 7.55 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN061311.D
Acq: 6 May 2020 15:49

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.9	124.3
192	18.0	14.7	22.1

Instrument :
MSVOA_N
ClientSampleId :
VN0506WBSD01

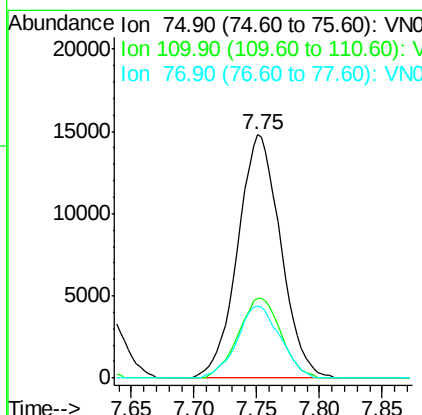
Manual Integrations
APPROVED

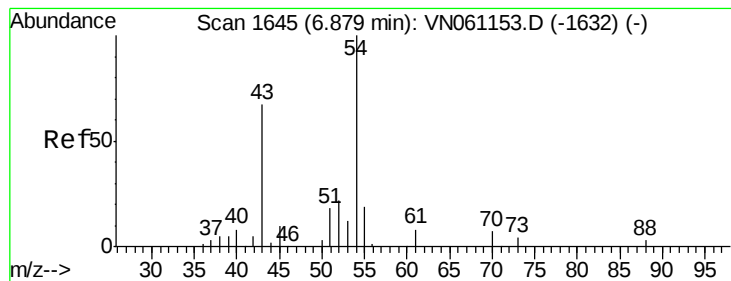
MMDadoda
5/7/2020 10:36:37 AM



#36
1,1-Dichloropropene
Concen: 17.748 ug/l
RT: 7.75 min Scan# 1916
Delta R.T. -0.00 min
Lab File: VN061311.D
Acq: 6 May 2020 15:49

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.7	16.0	48.0
77	29.9	24.6	37.0





#37

Ethyl Acetate

Concen: 16.321 ug/l

RT: 6.88 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VN061311.D

Acq: 6 May 2020 15:49

Instrument :

MSVOA_N

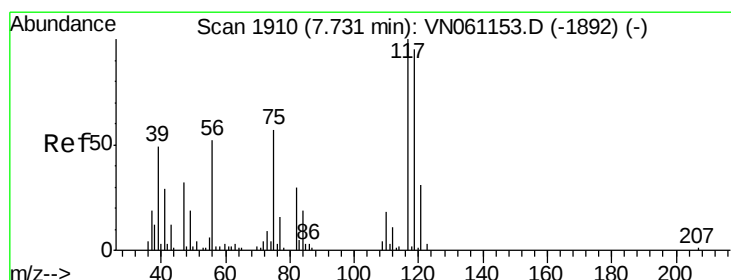
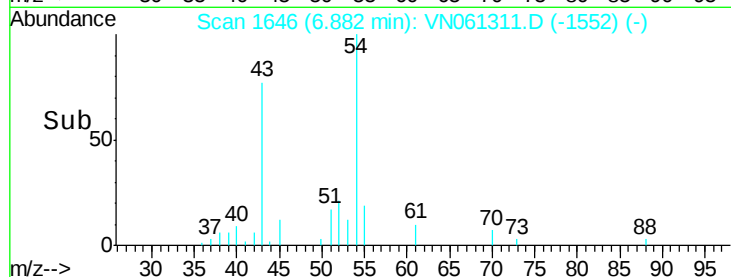
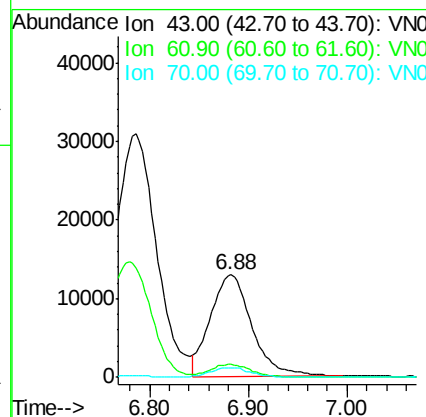
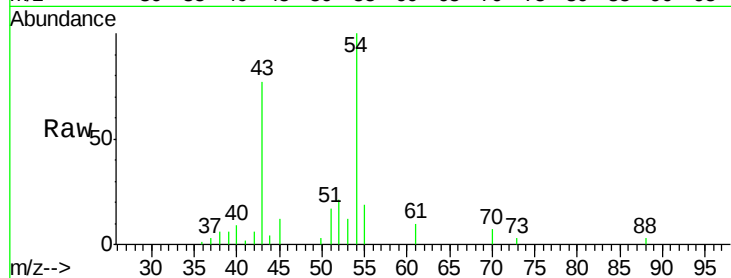
ClientSampled :

VN0506WBSD01

Tot Ion:	43	Resp:	37974
Ion	Ratio	Lower	Upper
43	100		
61	12.7	10.2	15.2
70	9.2	7.2	10.8

Manual Integrations
APPROVED

MMDadoda
5/7/2020 10:36:37 AM



#38

Carbon Tetrachloride

Concen: 18.480 ug/l

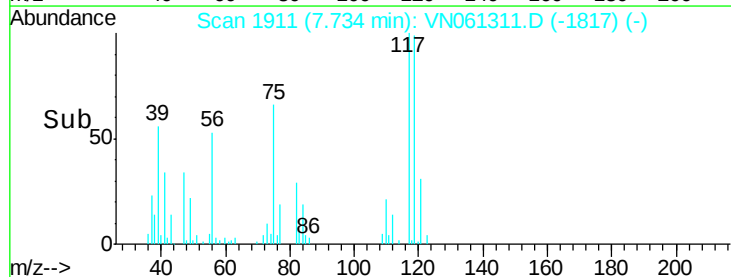
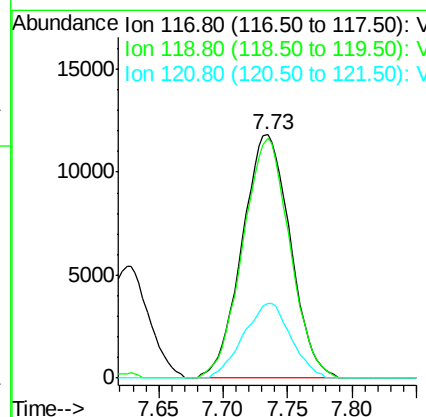
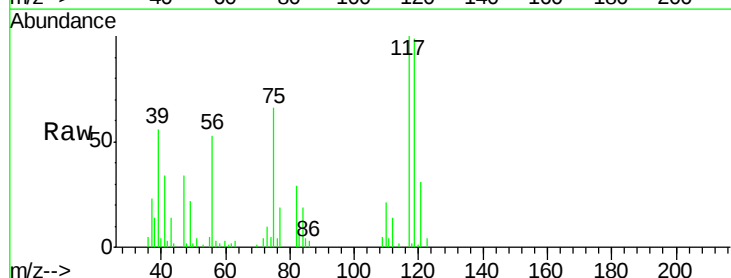
RT: 7.73 min Scan# 1911

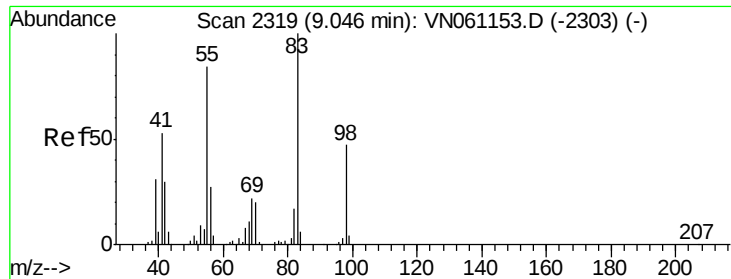
Delta R.T. 0.00 min

Lab File: VN061311.D

Acq: 6 May 2020 15:49

Tgt Ion:	117	Resp:	30728
Ion	Ratio	Lower	Upper
117	100		
119	98.7	75.8	113.6
121	30.9	24.7	37.1





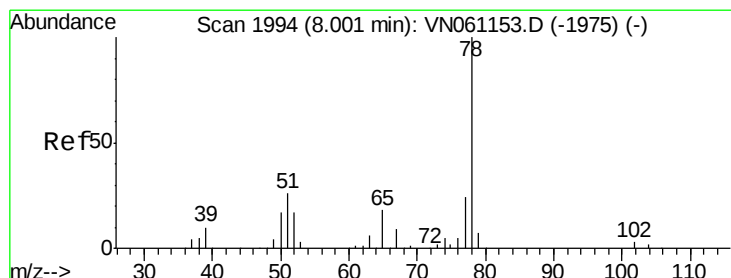
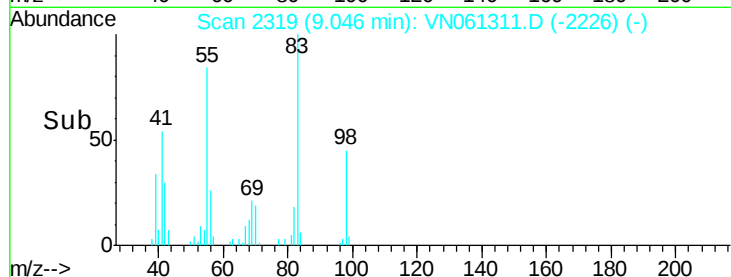
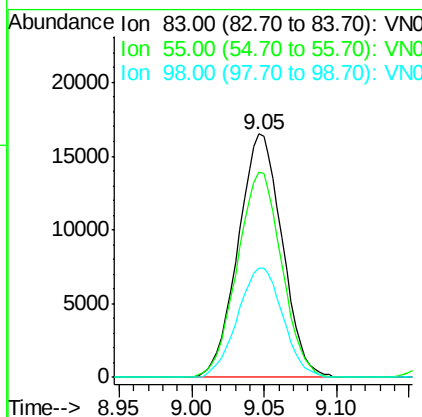
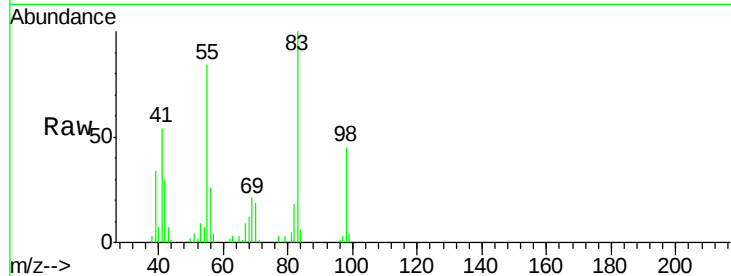
#39
Methvlcvclohexane
Concen: 15.629 ug/l
RT: 9.05 min Scan# 2319
Delta R.T. 0.00 min
Lab File: VN061311.D
Acq: 6 May 2020 15:49

Instrument :
MSVOA_N
ClientSampleId :
VN0506WBSD01

Tot Ion	83	Resp	34787
Ion	Ratio	Lower	Upper
83	100		
55	84.2	67.3	100.9
98	44.7	37.7	56.5

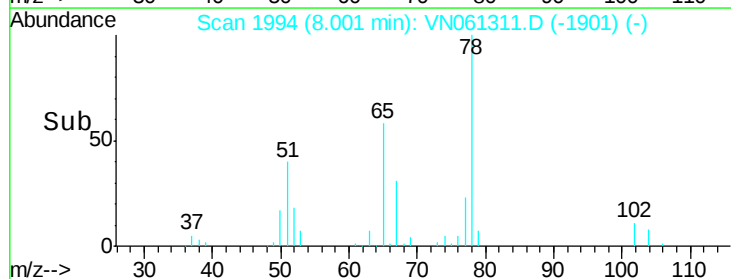
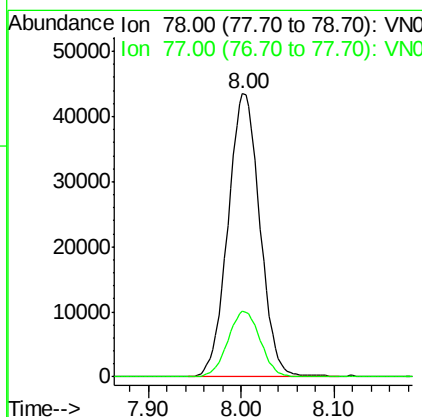
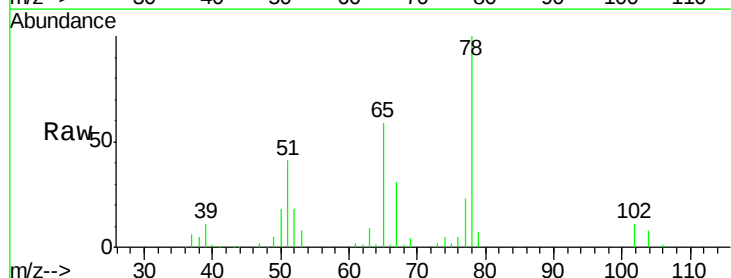
Manual Integrations
APPROVED

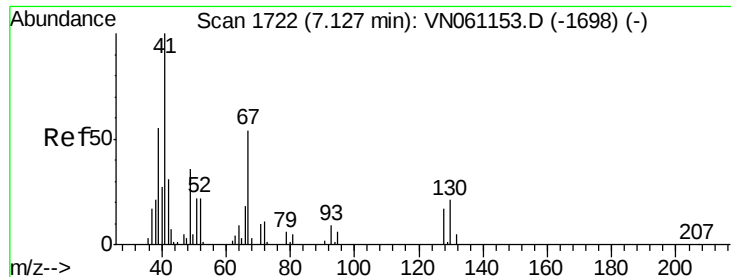
MMDadoda
5/7/2020 10:36:37 AM



#40
Benzene
Concen: 17.563 ug/l
RT: 8.00 min Scan# 1994
Delta R.T. -0.00 min
Lab File: VN061311.D
Acq: 6 May 2020 15:49

Tgt Ion	78	Resp	103849
Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.0	28.6





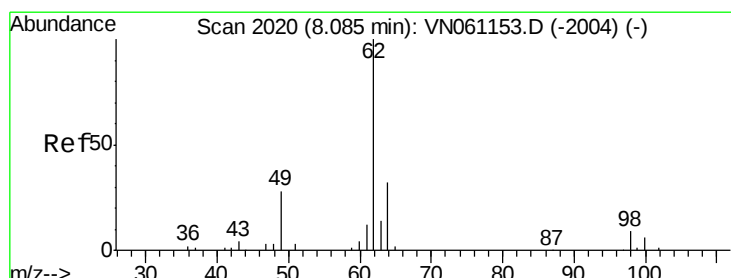
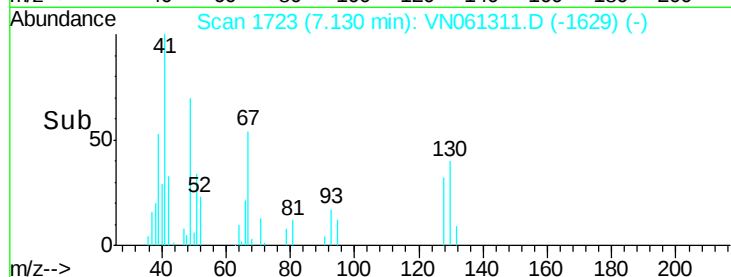
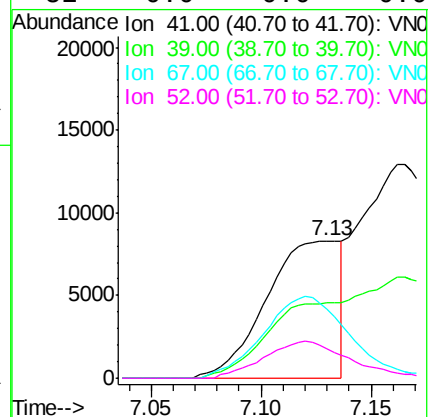
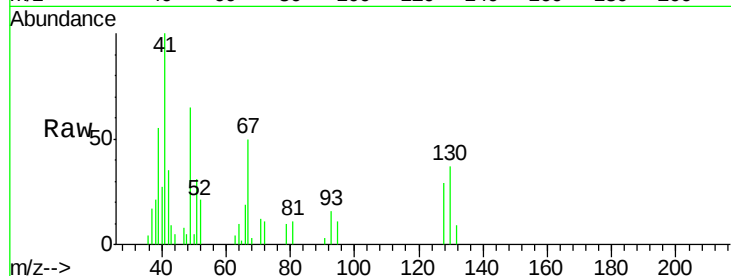
#41
Methacrylonitrile
Concen: 20.031 ug/l m
RT: 7.13 min Scan# 1723
Delta R.T. 0.00 min
Lab File: VN061311.D
Acq: 6 May 2020 15:49

Instrument :
MSVOA_N
ClientSampled :
VN0506WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
41	100			
39	149.9	0.0	0.0	#
67	0.0	0.0	0.0	
52	0.0	0.0	0.0	

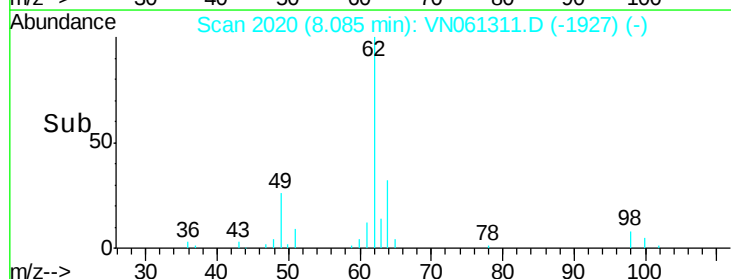
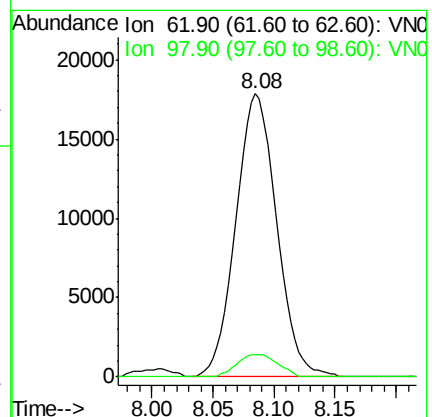
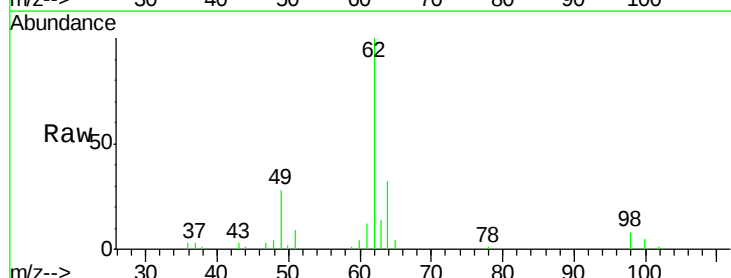
Manual Integrations
APPROVED

MMDadoda
5/7/2020 10:36:37 AM



#42
1,2-Dichloroethane
Concen: 18.526 ug/l
RT: 8.08 min Scan# 2020
Delta R.T. 0.00 min
Lab File: VN061311.D
Acq: 6 May 2020 15:49

Tgt Ion	Ratio	Resp	Lower	Upper
62	100			
98	7.9	0.0	16.8	





#43

Isopropyl Acetate

Concen: 16.954 ug/l

RT: 8.13 min Scan# 2033

Delta R.T. 0.00 min

Lab File: VN061311.D

Acq: 6 May 2020 15:49

Instrument :

MSVOA_N

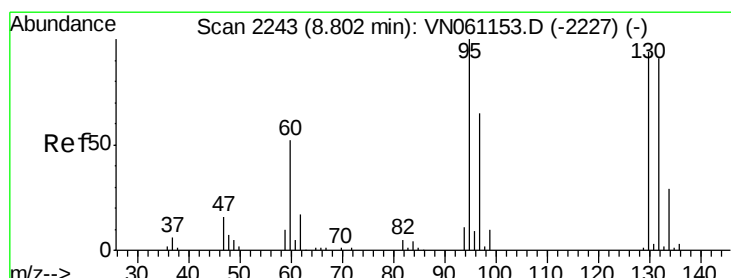
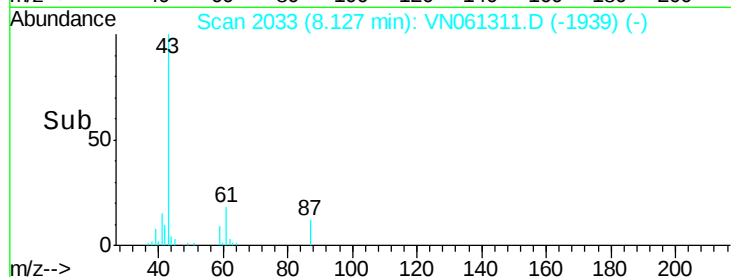
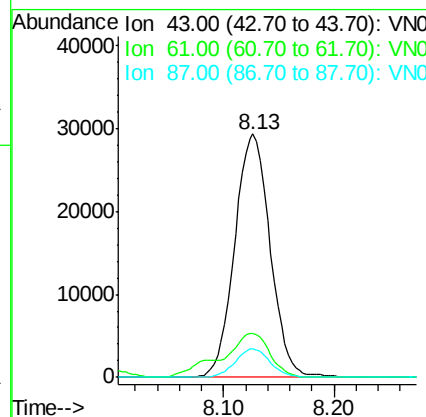
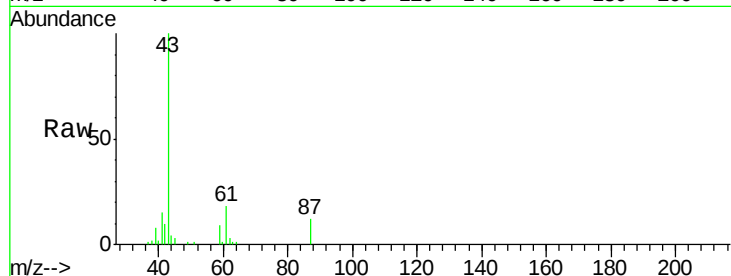
ClientSampleId :

VN0506WBSD01

Tot Ion:	43	Resp:	65466
Ion	Ratio	Lower	Upper
43	100		
61	18.4	19.5	29.3#
87	11.5	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
5/7/2020 10:36:37 AM



#44

Trichloroethene

Concen: 16.559 ug/l

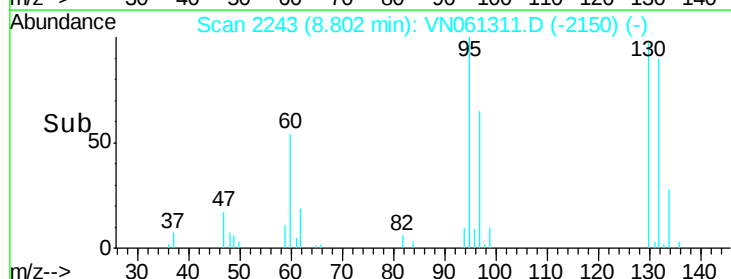
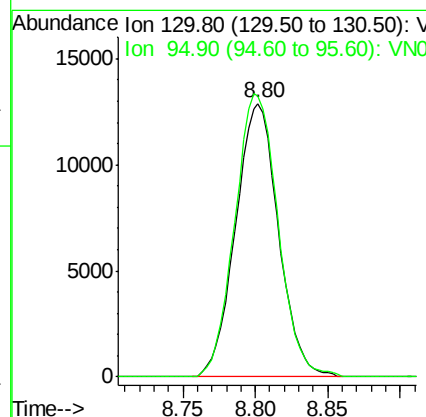
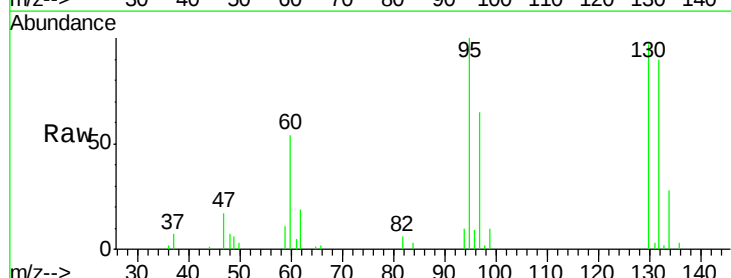
RT: 8.80 min Scan# 2243

Delta R.T. 0.00 min

Lab File: VN061311.D

Acq: 6 May 2020 15:49

Tgt Ion:	130	Resp:	26469
Ion	Ratio	Lower	Upper
130	100		
95	102.8	0.0	212.4





#45

1,2-Dichloropropane

Concen: 17.818 ug/l

RT: 9.08 min Scan# 2331

Delta R.T. -0.00 min

Lab File: VN061311.D

Acq: 6 May 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

VN0506WBSD01

Tot Ion: 63 Resp: 28147

Ion Ratio Lower Upper

63 100

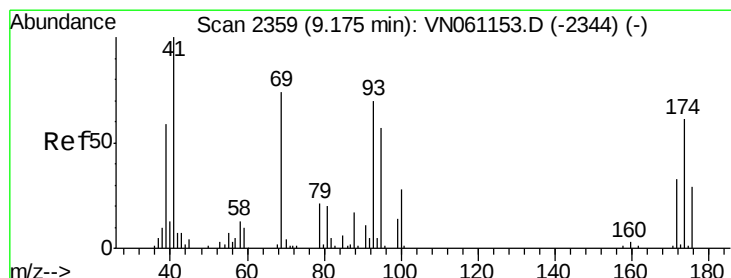
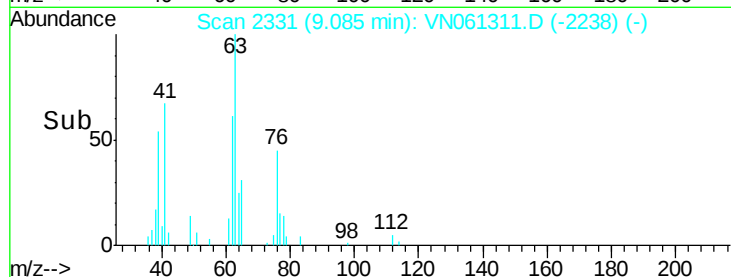
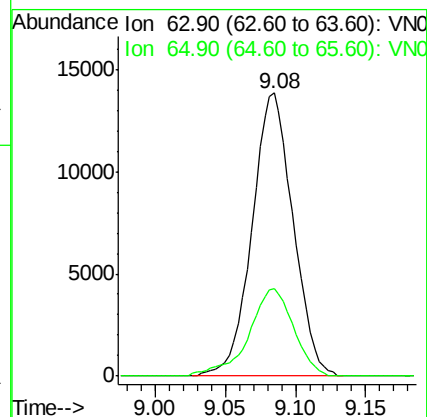
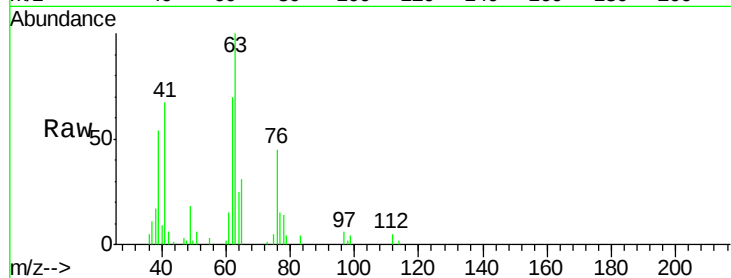
65 30.8 24.7 37.1

Manual Integrations

APPROVED

MMDadoda

5/7/2020 10:36:37 AM



#46

Dibromomethane

Concen: 17.910 ug/l

RT: 9.17 min Scan# 2359

Delta R.T. -0.00 min

Lab File: VN061311.D

Acq: 6 May 2020 15:49

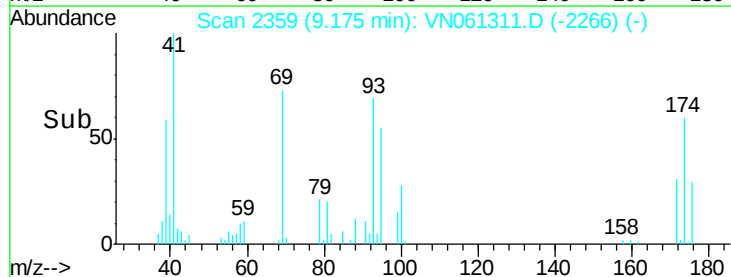
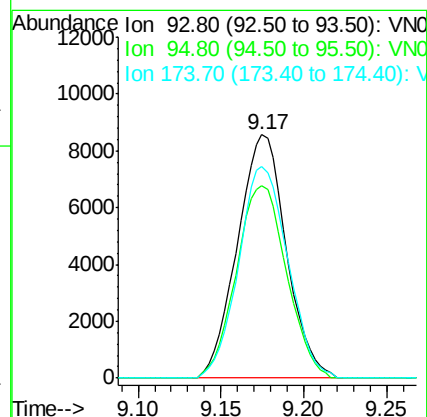
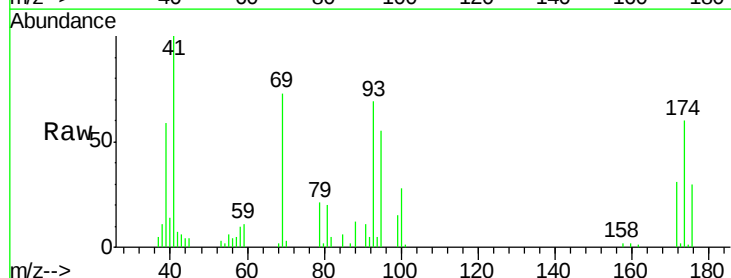
Tgt Ion: 93 Resp: 17518

Ion Ratio Lower Upper

93 100

95 81.5 66.6 99.8

174 87.8 70.2 105.2





#47

Bromodichloromethane

Concen: 18.150 ug/l

RT: 9.37 min Scan# 2420

Delta R.T. -0.00 min

Lab File: VN061311.D

Acq: 6 May 2020 15:49

Instrument :

MSVOA_N

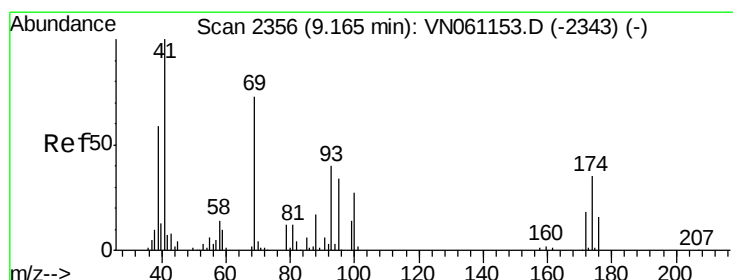
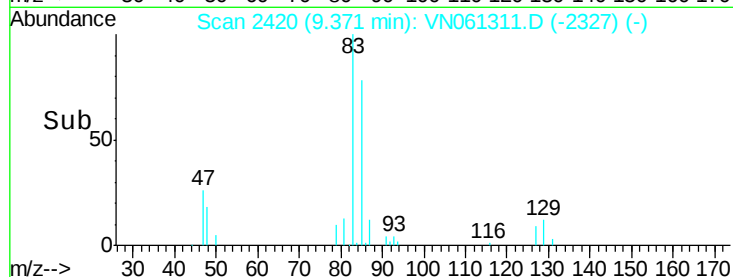
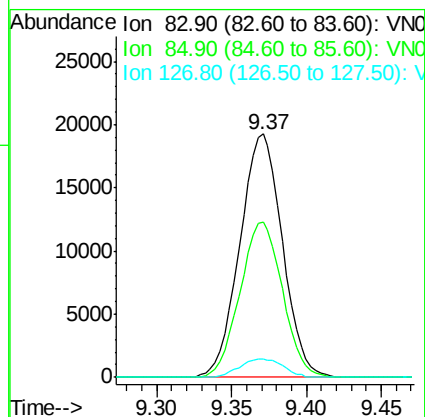
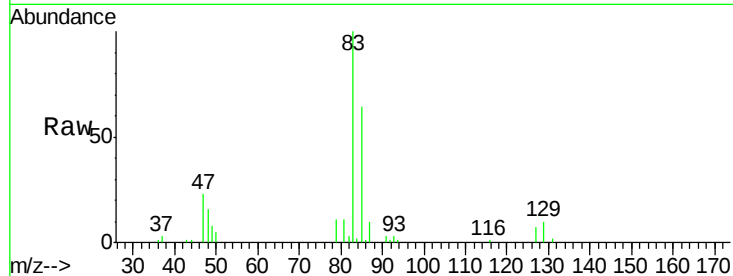
ClientSampleId :

VN0506WBSD01

Tot Ion:	83	Resp:	38104
Ion	Ratio	Lower	Upper
83	100		
85	63.9	50.4	75.6
127	7.3	6.2	9.2

Manual Integrations
APPROVED

MMDadoda
5/7/2020 10:36:37 AM



#48

Methyl methacrylate

Concen: 17.414 ug/l

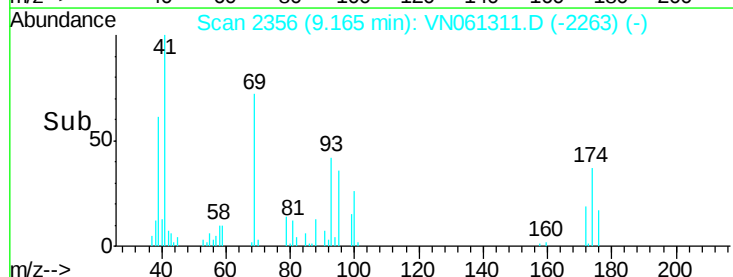
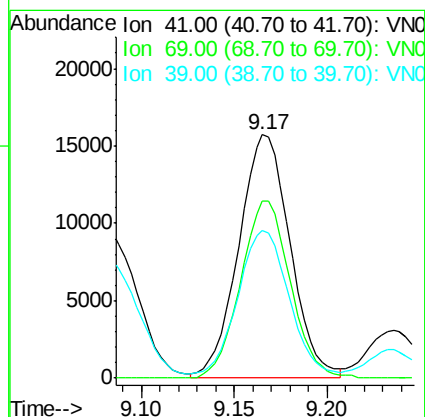
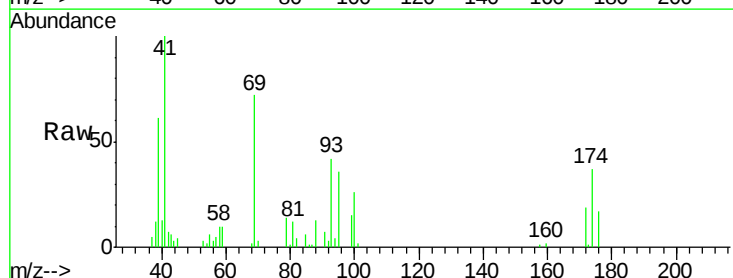
RT: 9.17 min Scan# 2356

Delta R.T. -0.00 min

Lab File: VN061311.D

Acq: 6 May 2020 15:49

Tgt Ion:	41	Resp:	30344
Ion	Ratio	Lower	Upper
41	100		
69	70.2	60.3	90.5
39	61.2	47.4	71.0





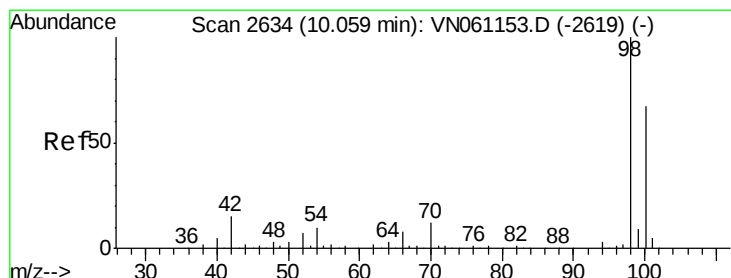
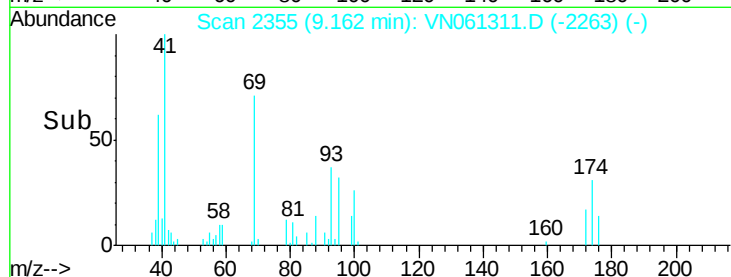
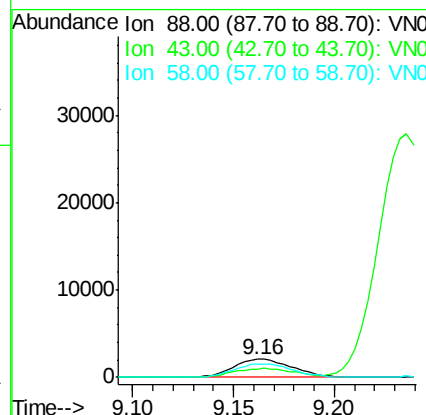
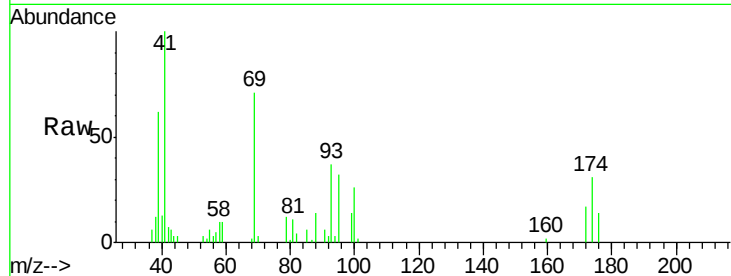
#49
1,4-Dioxane
Concen: 211.736 ug/l
RT: 9.16 min Scan# 2355
Delta R.T. -0.00 min
Lab File: VN061311.D
Acq: 6 May 2020 15:49

Instrument :
MSVOA_N
ClientSampled :
VN0506WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	50.7	35.3	52.9
58	72.9	61.5	92.3

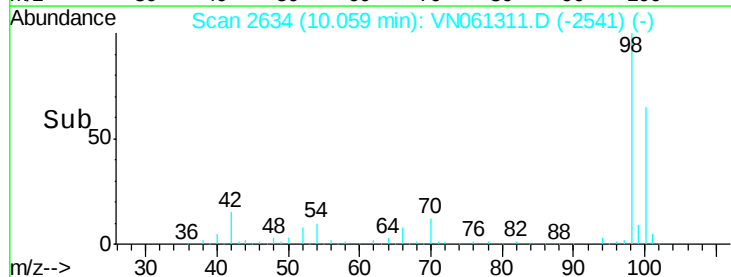
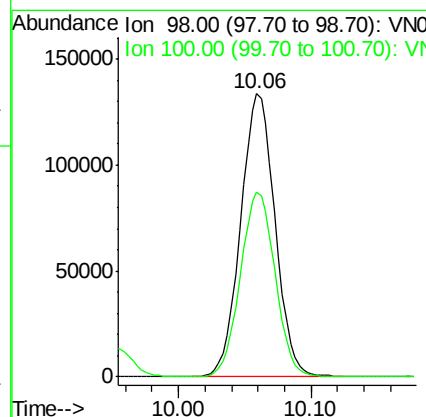
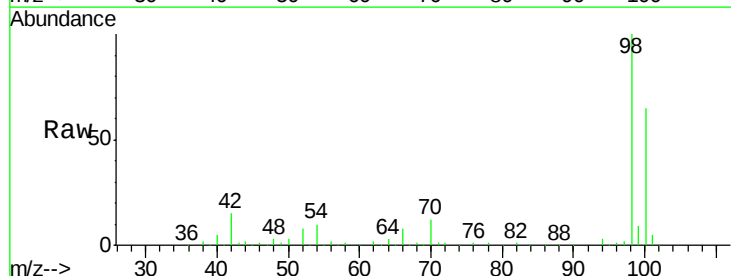
Manual Integrations
APPROVED

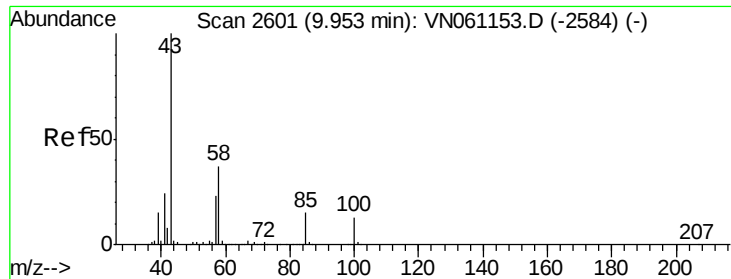
MMDadoda
5/7/2020 10:36:37 AM



#50
Toluene-d8
Concen: 50.329 ug/l
RT: 10.06 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VN061311.D
Acq: 6 May 2020 15:49

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.1	53.4	80.0





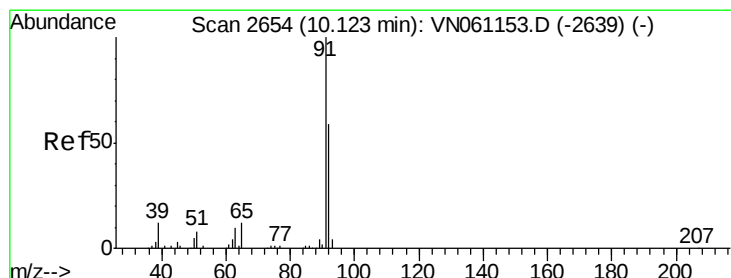
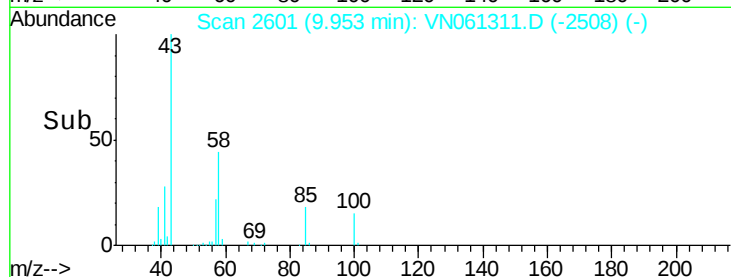
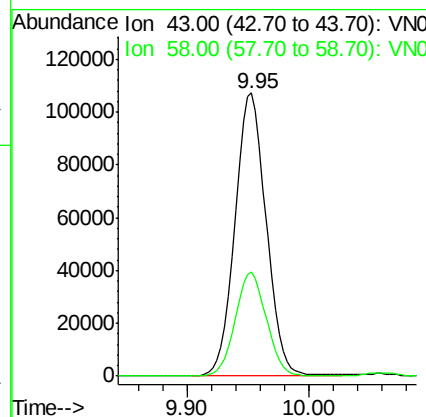
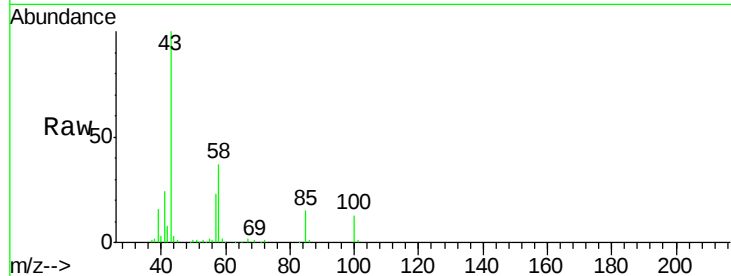
#51
4-Methyl-2-Pentanone
Concen: 83.876 ug/l
RT: 9.95 min Scan# 2601
Delta R.T. -0.00 min
Lab File: VN061311.D
Acq: 6 May 2020 15:49

Instrument :
MSVOA_N
ClientSampleId :
VN0506WBSD01

Tot Ion	43	Resp	190643
Ion Ratio	43	100	
Lower	58	36.5	29.1
Upper			43.7

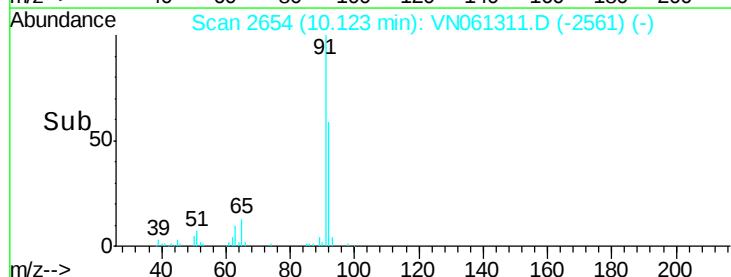
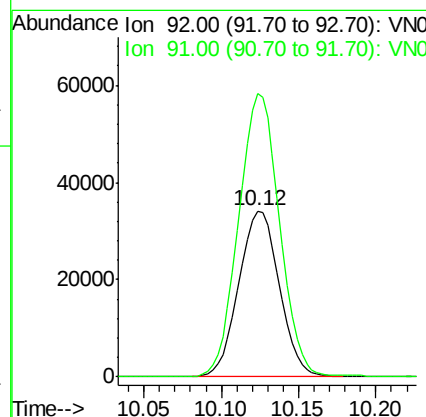
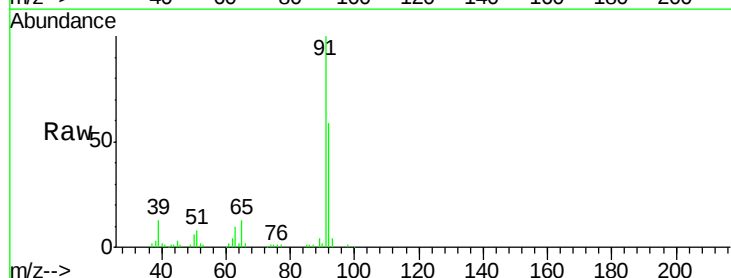
Manual Integrations
APPROVED

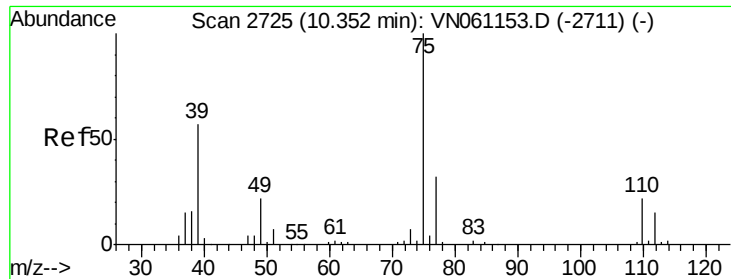
MMDadoda
5/7/2020 10:36:37 AM



#52
Toluene
Concen: 17.508 ug/l
RT: 10.12 min Scan# 2654
Delta R.T. -0.00 min
Lab File: VN061311.D
Acq: 6 May 2020 15:49

Tgt Ion	92	Resp	62353
Ion Ratio	92	100	
Lower	91	172.2	136.2
Upper			204.2





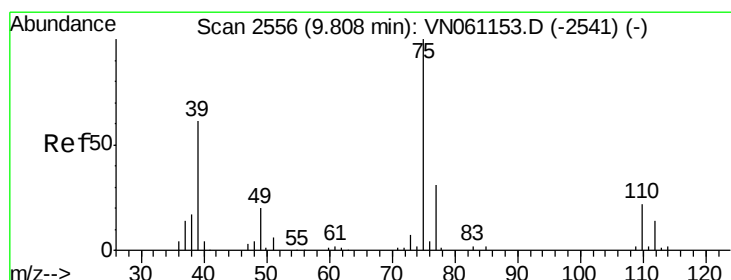
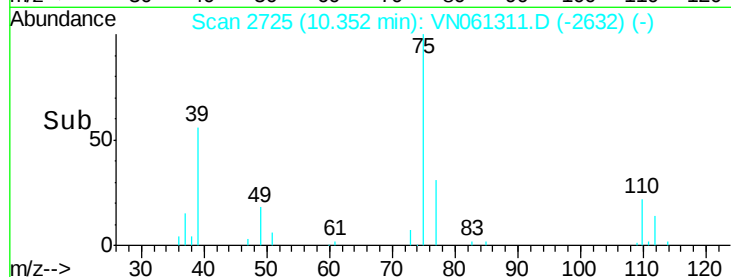
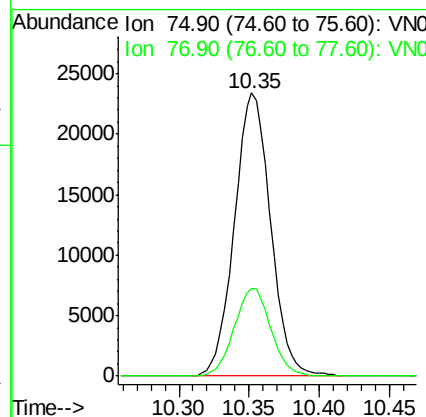
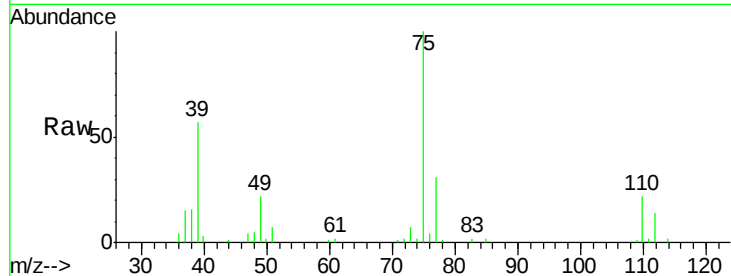
#53
t-1,3-Dichloropropene
Concen: 17.786 ug/l
RT: 10.35 min Scan# 2725
Delta R.T. -0.00 min
Lab File: VN061311.D
Acq: 6 May 2020 15:49

Instrument :
MSVOA_N
ClientSampleId :
VN0506WBSD01

Tot Ion: 75 Resp: 42074
Ion Ratio Lower Upper
75 100
77 31.1 25.5 38.3

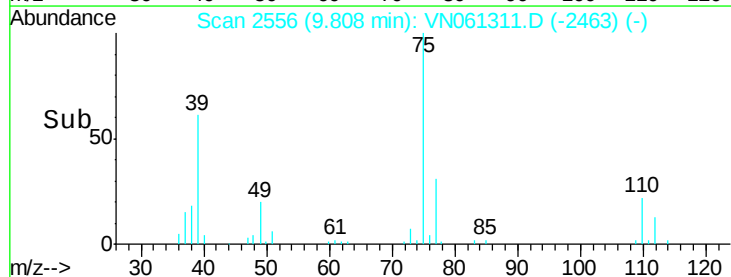
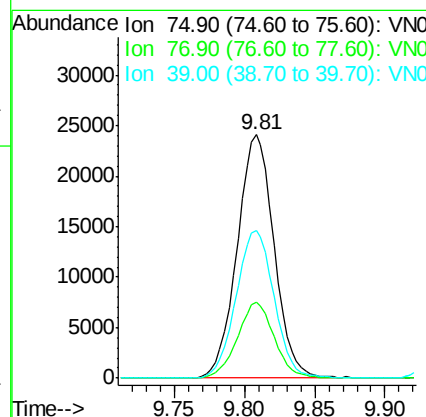
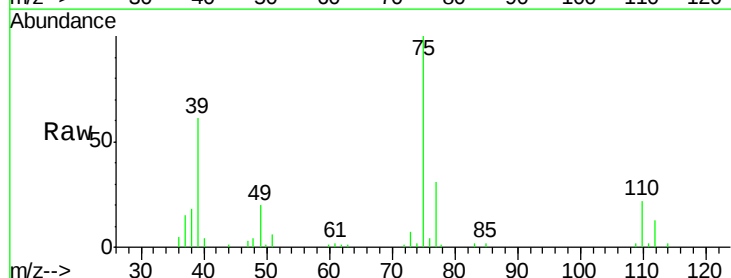
Manual Integrations
APPROVED

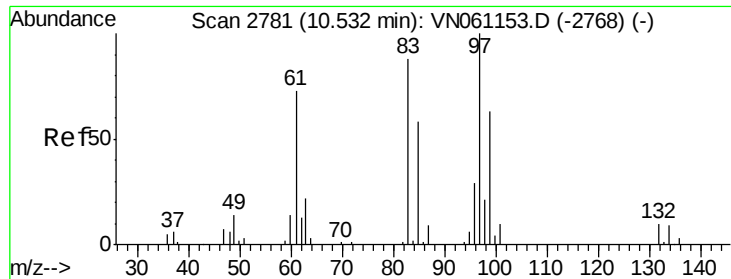
MMDadoda
5/7/2020 10:36:37 AM



#54
cis-1,3-Dichloropropene
Concen: 17.648 ug/l
RT: 9.81 min Scan# 2556
Delta R.T. -0.00 min
Lab File: VN061311.D
Acq: 6 May 2020 15:49

Tgt Ion: 75 Resp: 44136
Ion Ratio Lower Upper
75 100
77 31.0 25.0 37.4
39 60.5 48.7 73.1





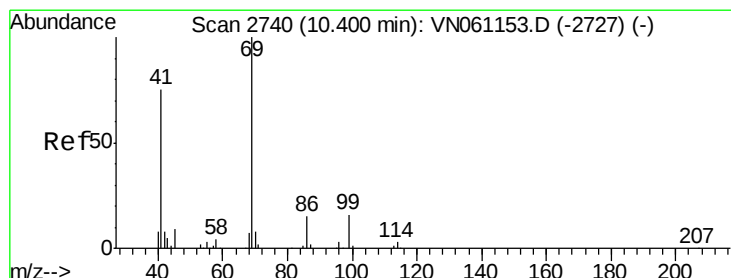
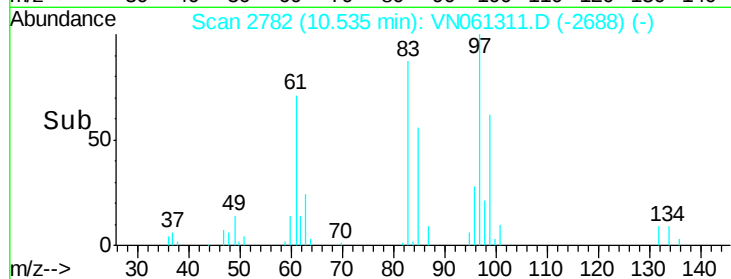
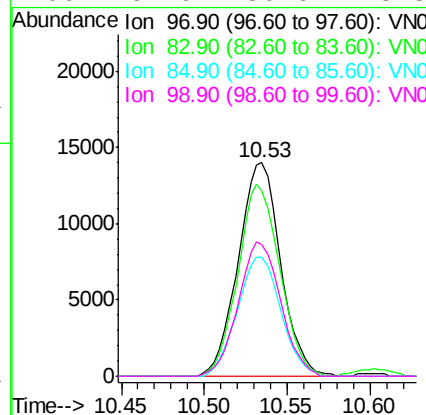
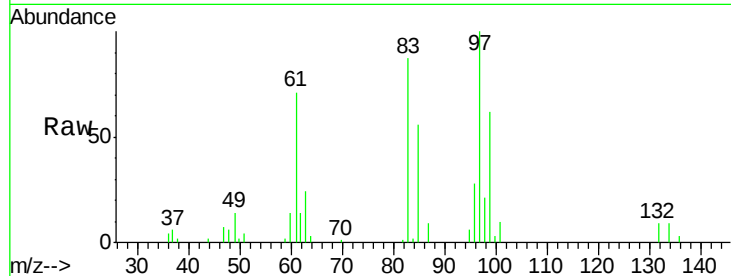
#55
 1,1,2-Trichloroethane
 Concen: 17.518 ug/l
 RT: 10.53 min Scan# 2782
 Delta R.T. 0.00 min
 Lab File: VN061311.D
 Acq: 6 May 2020 15:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0506WBSD01

Tot Ion:	97	Resp:	24886
Ion	Ratio	Lower	Upper
97	100		
83	87.1	70.6	106.0
85	55.8	46.4	69.6
99	61.9	50.6	75.8

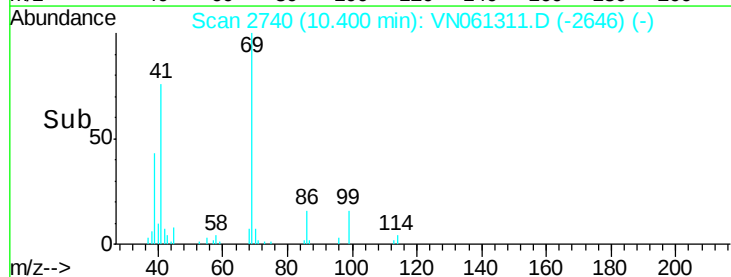
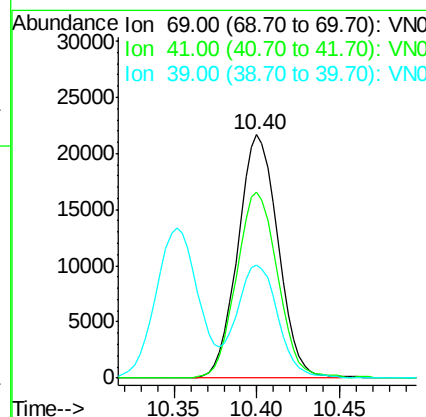
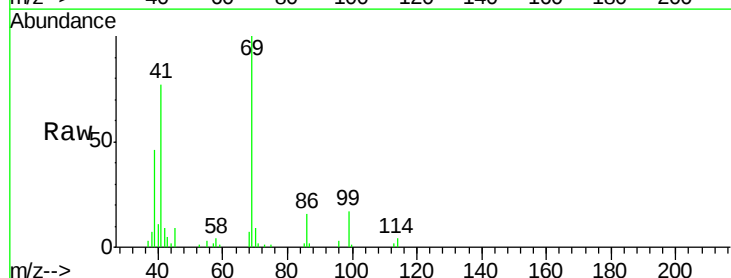
Manual Integrations
 APPROVED

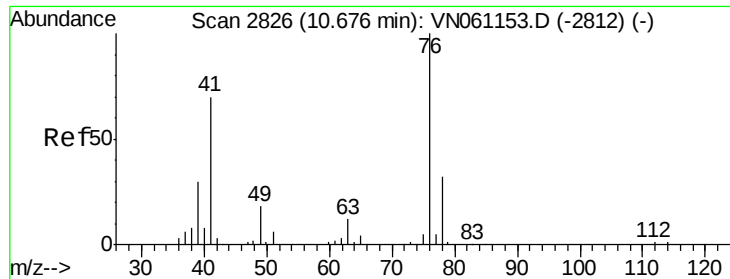
MMDadoda
 5/7/2020 10:36:37 AM



#56
 Ethyl methacrylate
 Concen: 16.749 ug/l
 RT: 10.40 min Scan# 2740
 Delta R.T. 0.00 min
 Lab File: VN061311.D
 Acq: 6 May 2020 15:49

Tgt Ion:	69	Resp:	36713
Ion	Ratio	Lower	Upper
69	100		
41	78.1	60.3	90.5
39	47.5	35.9	53.9





#57

1,3-Dichloropropane

Concen: 17.977 ug/l

RT: 10.68 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VN061311.D

Acq: 6 May 2020 15:49

Instrument :

MSVOA_N

ClientSampled :

VN0506WBSD01

Tot Ion: 76 Resp: 44890

Ion Ratio Lower Upper

76 100

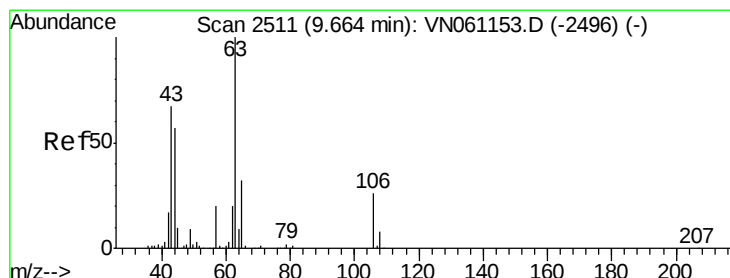
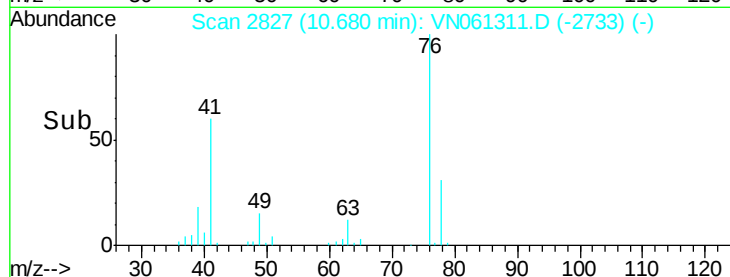
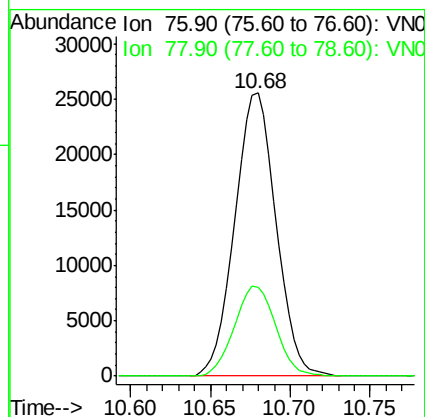
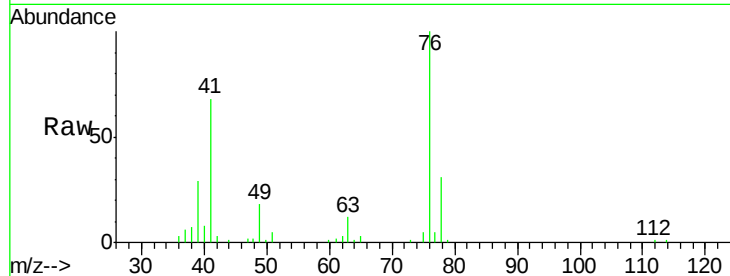
78 31.6 25.5 38.3

Manual Integrations

APPROVED

MMDadoda

5/7/2020 10:36:37 AM



#58

2-Chloroethyl Vinyl ether

Concen: 57.606 ug/l

RT: 9.66 min Scan# 2511

Delta R.T. 0.00 min

Lab File: VN061311.D

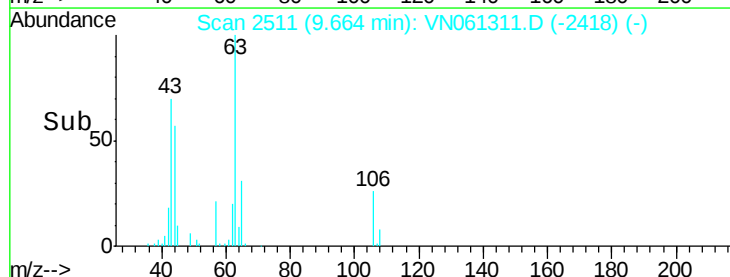
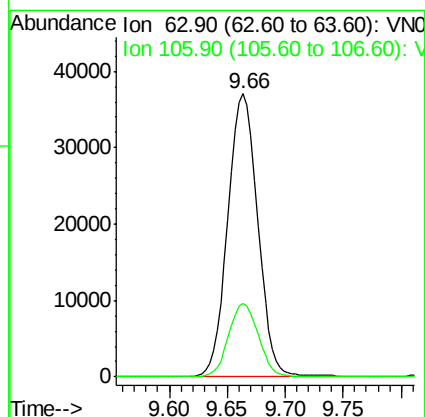
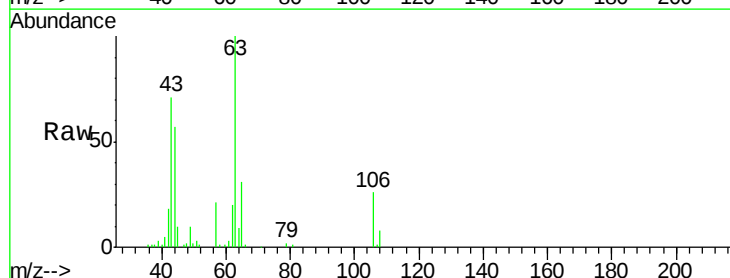
Acq: 6 May 2020 15:49

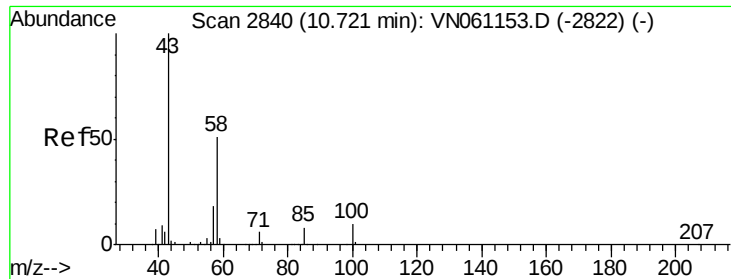
Tgt Ion: 63 Resp: 66240

Ion Ratio Lower Upper

63 100

106 25.5 20.6 30.8





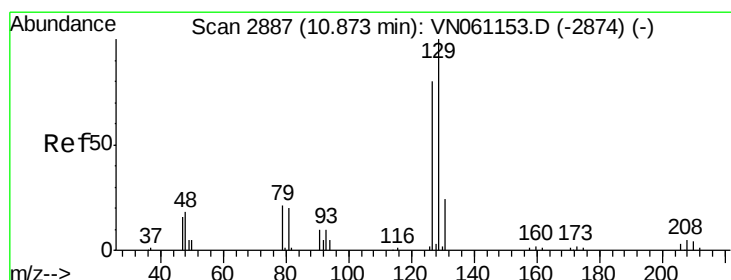
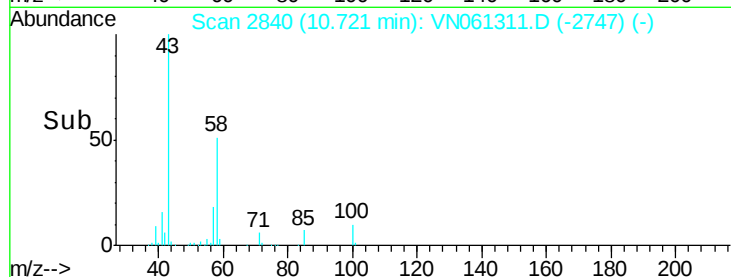
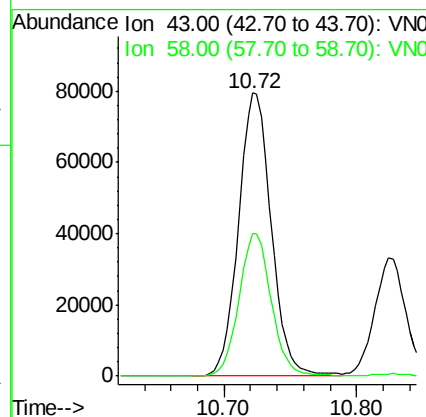
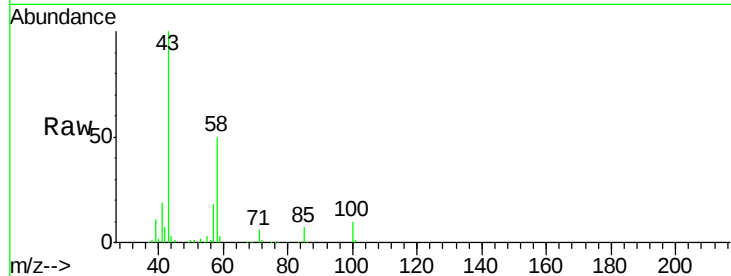
#59
2-Hexanone
Concen: 82.526 ug/l
RT: 10.72 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN061311.D
Acq: 6 May 2020 15:49

Instrument :
MSVOA_N
ClientSampleId :
VN0506WBSD01

Tot Ion	43	Resp	136464
Ion Ratio	43	100	
Lower	58	49.8	25.4
Upper			76.4

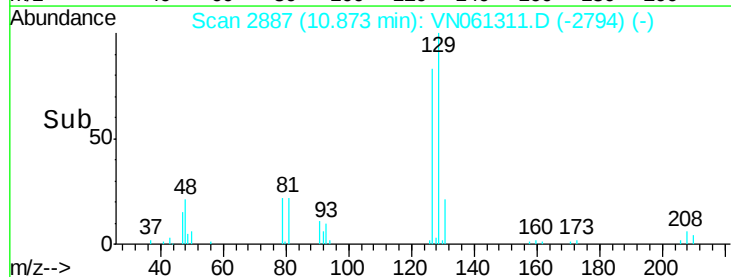
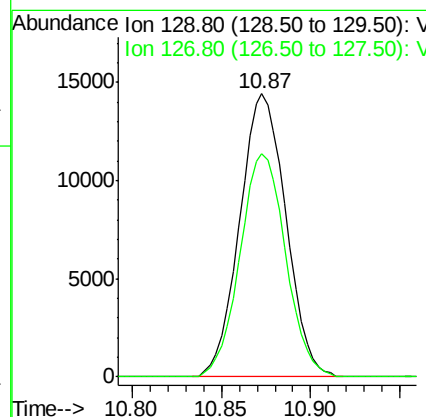
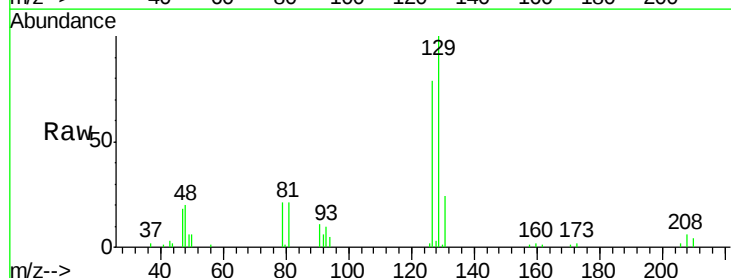
Manual Integrations
APPROVED

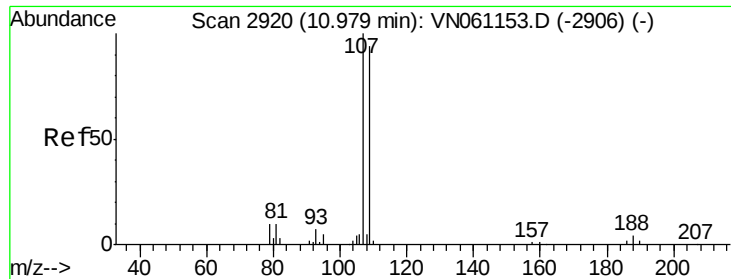
MMDadoda
5/7/2020 10:36:37 AM



#60
Dibromochloromethane
Concen: 17.475 ug/l
RT: 10.87 min Scan# 2887
Delta R.T. -0.00 min
Lab File: VN061311.D
Acq: 6 May 2020 15:49

Tgt Ion	129	Resp	26000
Ion Ratio	129	100	
Lower	127	78.1	39.3
Upper			117.8





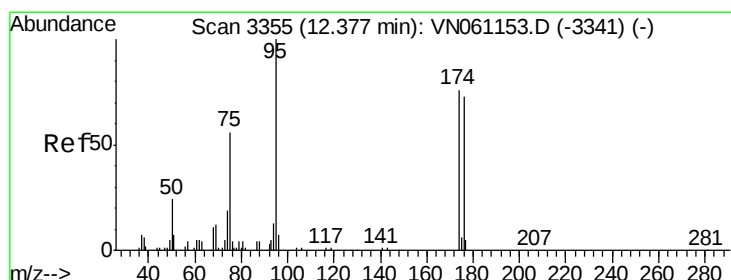
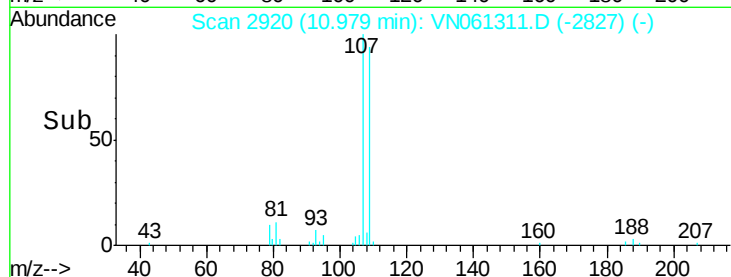
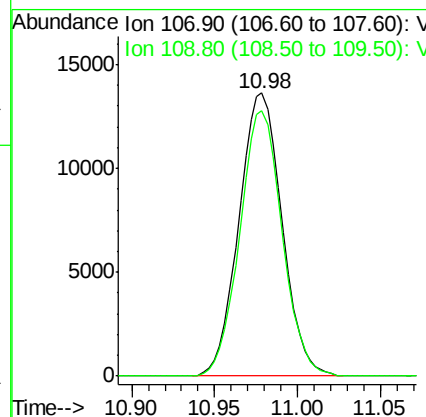
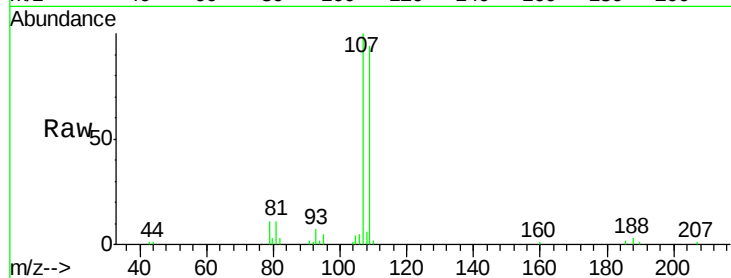
#61
 1,2-Dibromoethane
 Concen: 17.278 ug/l
 RT: 10.98 min Scan# 2920
 Delta R.T. -0.00 min
 Lab File: VN061311.D
 Acq: 6 May 2020 15:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0506WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.4	74.8	112.2

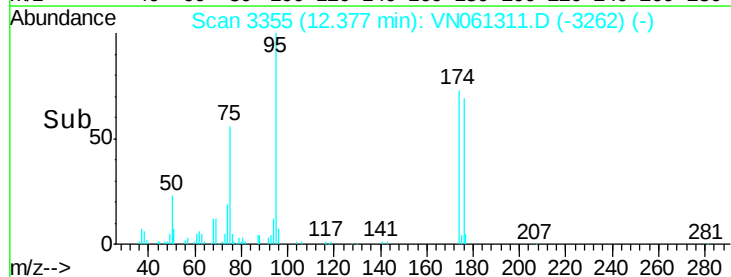
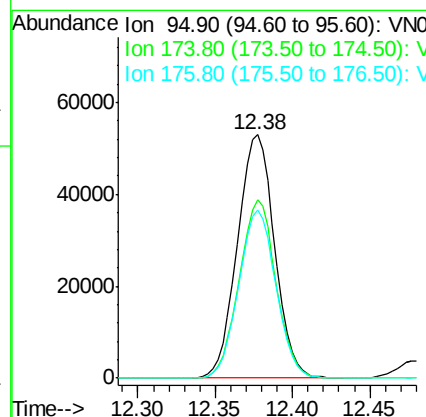
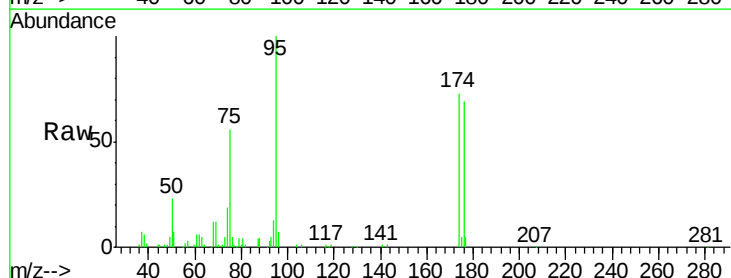
Manual Integrations
 APPROVED

MMDadoda
 5/7/2020 10:36:37 AM



#62
 4-Bromofluorobenzene
 Concen: 49.108 ug/l
 RT: 12.38 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VN061311.D
 Acq: 6 May 2020 15:49

Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.8	0.0	149.4
176	69.3	0.0	144.8





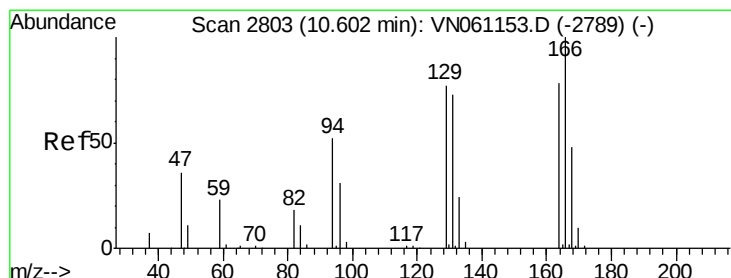
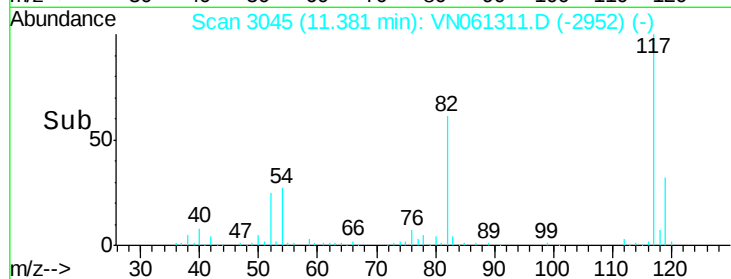
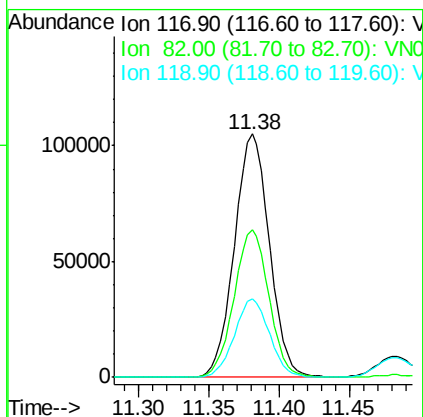
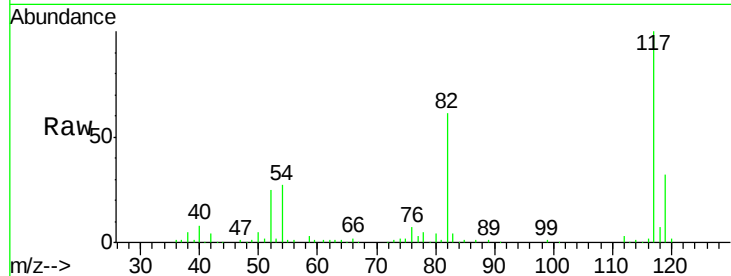
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 3045
Delta R.T. -0.00 min
Lab File: VN061311.D
Acq: 6 May 2020 15:49

Instrument :
MSVOA_N
ClientSampled :
VN0506WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.6	47.8	71.8
119	32.2	25.8	38.6

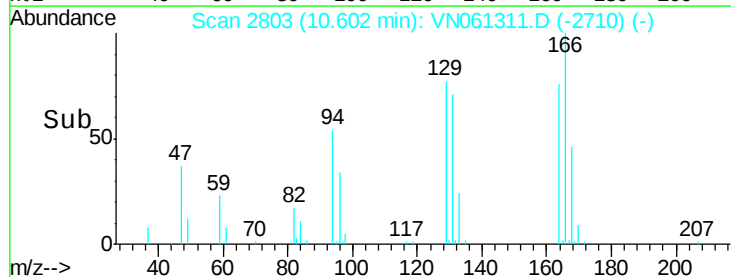
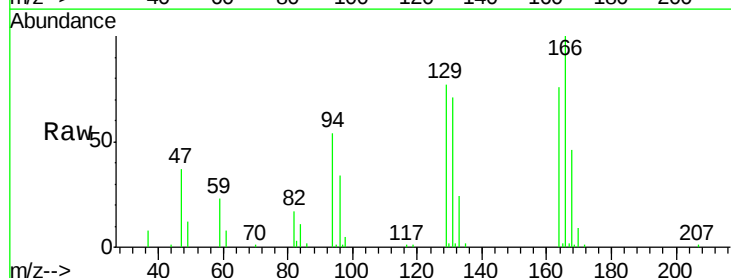
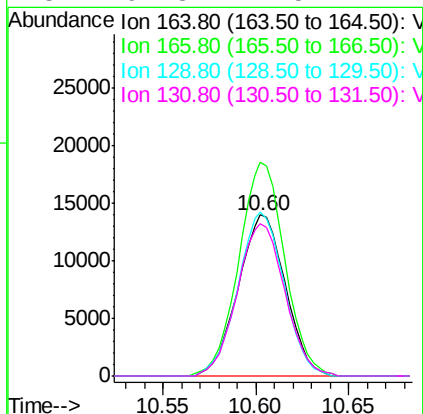
Manual Integrations
APPROVED

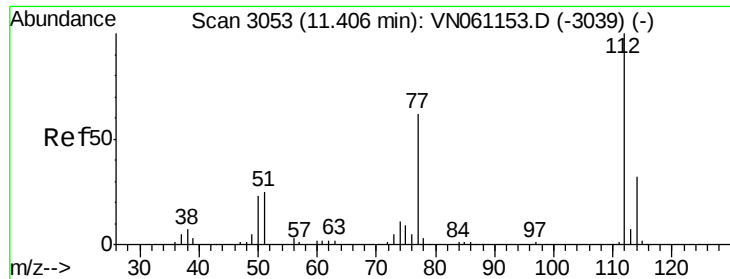
MMDadoda
5/7/2020 10:36:37 AM



#64
Tetrachloroethene
Concen: 15.596 ug/l
RT: 10.60 min Scan# 2803
Delta R.T. 0.00 min
Lab File: VN061311.D
Acq: 6 May 2020 15:49

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.4	102.0	153.0
129	101.9	78.2	117.2
131	94.3	74.5	111.7





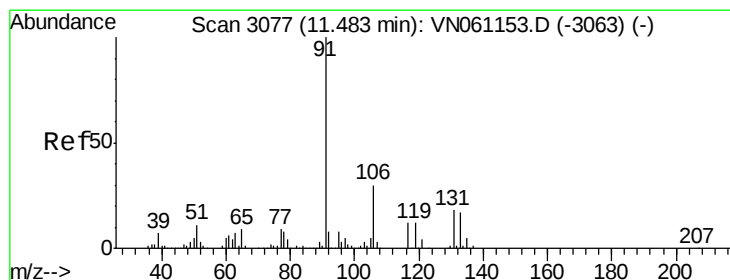
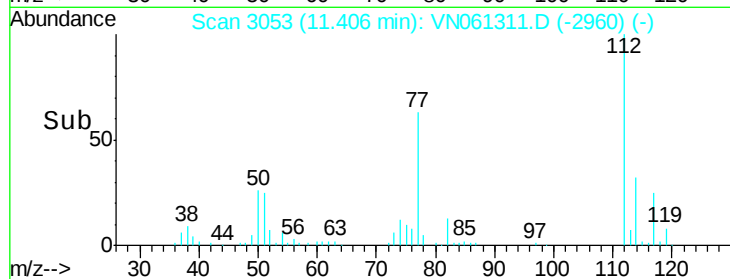
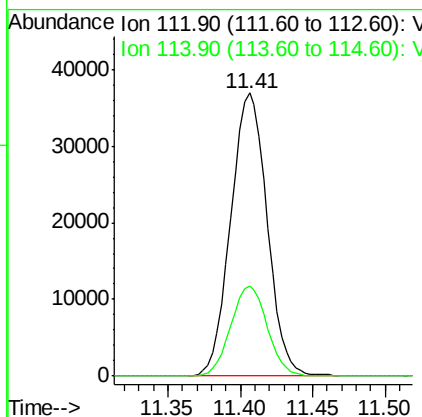
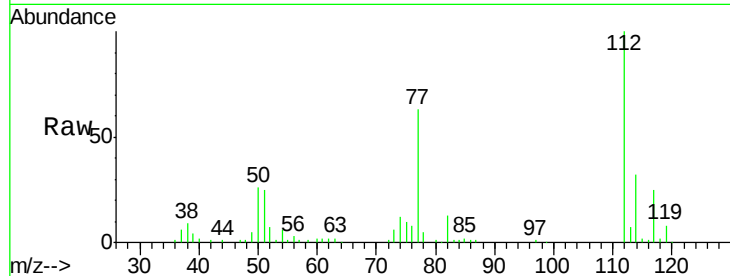
#65
Chlorobenzene
Concen: 17.714 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. -0.00 min
Lab File: VN061311.D
Acq: 6 May 2020 15:49

Instrument :
MSVOA_N
ClientSampleId :
VN0506WBSD01

Tot Ion:112 Resp: 64375
Ion Ratio Lower Upper
112 100
114 31.8 25.4 38.2

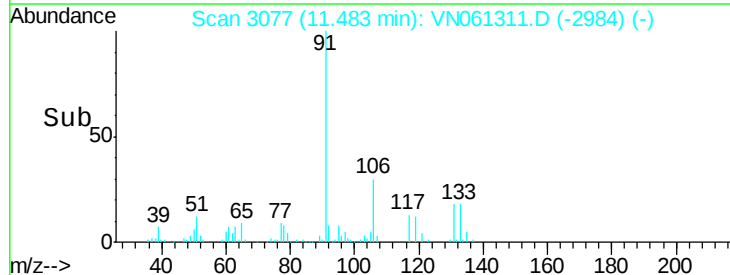
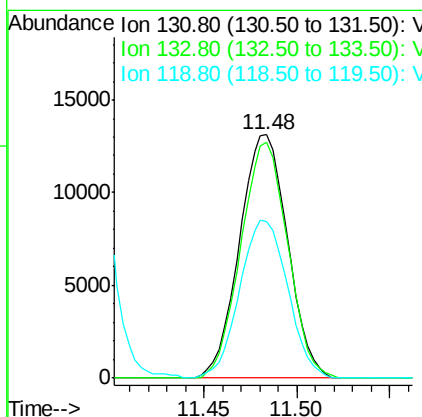
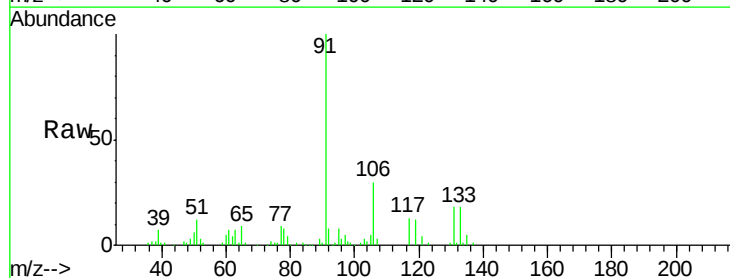
Manual Integrations
APPROVED

MMDadoda
5/7/2020 10:36:37 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.226 ug/l
RT: 11.48 min Scan# 3077
Delta R.T. -0.00 min
Lab File: VN061311.D
Acq: 6 May 2020 15:49

Tgt Ion:131 Resp: 23707
Ion Ratio Lower Upper
131 100
133 94.3 48.0 144.2
119 64.6 32.6 97.8





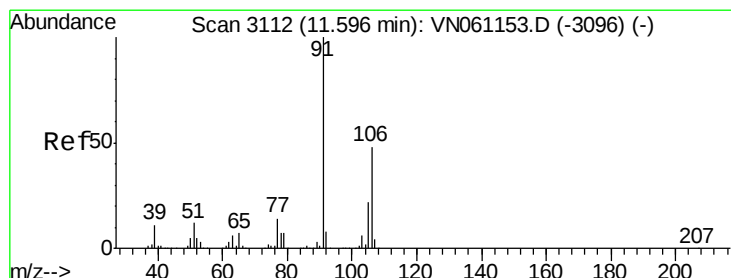
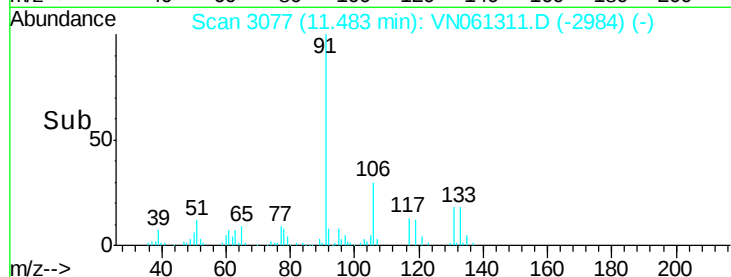
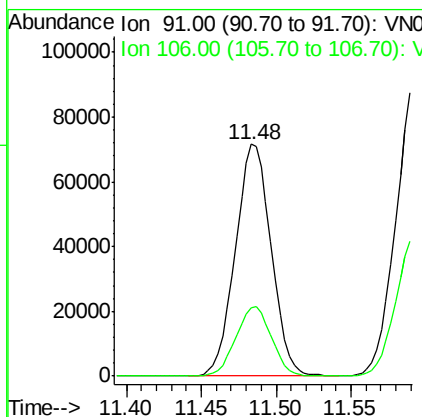
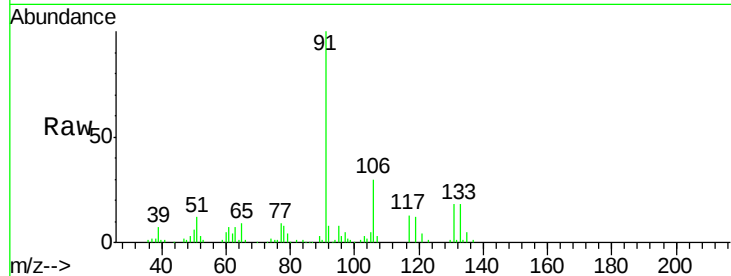
#67
Ethyl Benzene
Concen: 17.519 ug/l
RT: 11.48 min Scan# 3077
Delta R.T. -0.00 min
Lab File: VN061311.D
Acq: 6 May 2020 15:49

Instrument :
MSVOA_N
ClientSampled :
VN0506WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
106	29.6	23.8	35.6

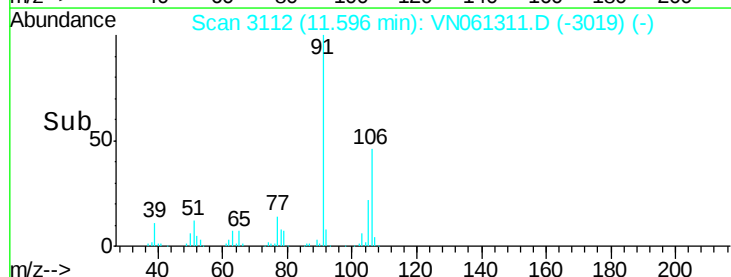
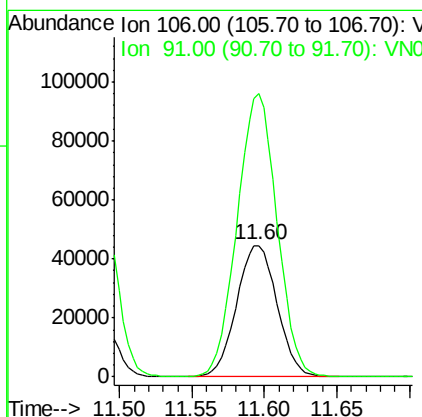
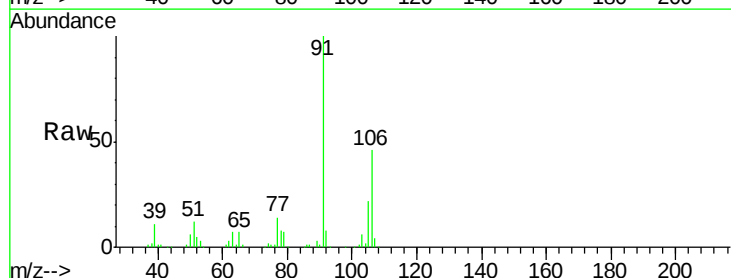
Manual Integrations
APPROVED

MMDadoda
5/7/2020 10:36:37 AM



#68
m/p-Xylenes
Concen: 34.721 ug/l
RT: 11.60 min Scan# 3112
Delta R.T. 0.00 min
Lab File: VN061311.D
Acq: 6 May 2020 15:49

Tgt Ion	Ratio	Lower	Upper
106	100		
91	212.6	166.4	249.6





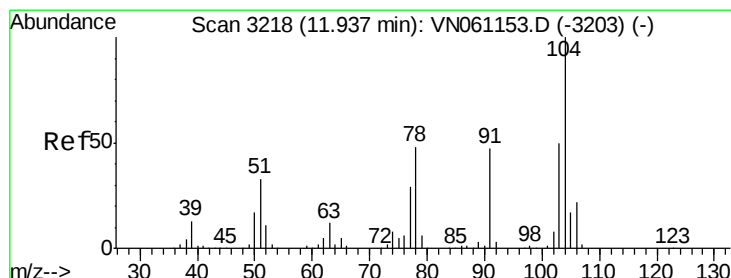
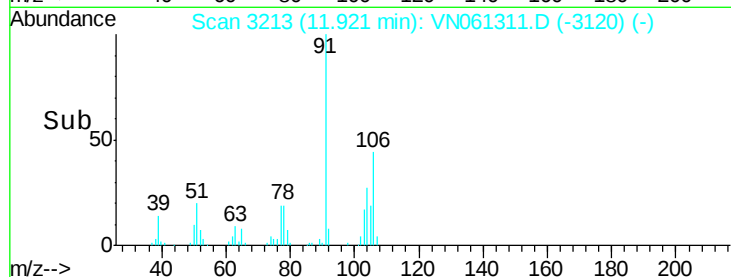
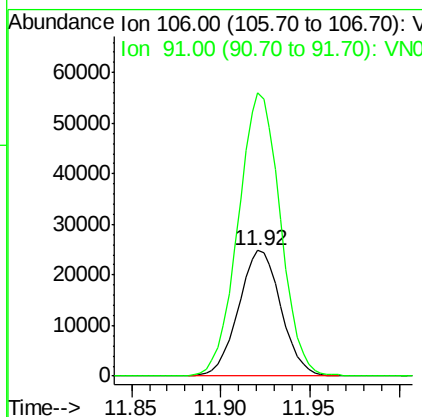
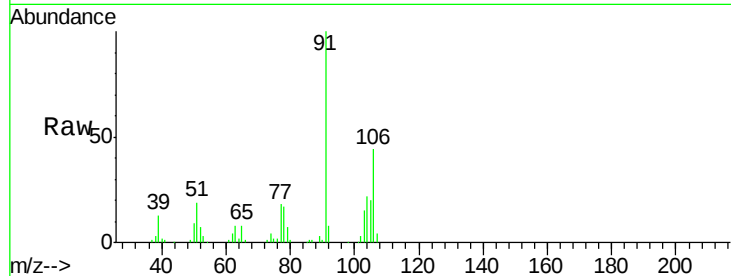
#69
o-Xylene
Concen: 17.165 ug/l
RT: 11.92 min Scan# 3213
Delta R.T. -0.00 min
Lab File: VN061311.D
Acq: 6 May 2020 15:49

Instrument :
MSVOA_N
ClientSampleId :
VN0506WBSD01

Tot Ion:106 Resp: 41058
Ion Ratio Lower Upper
106 100
91 224.5 109.7 329.0

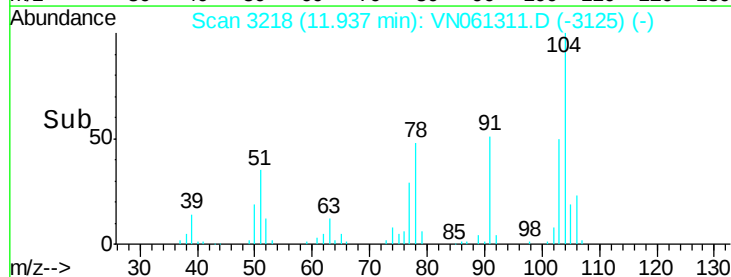
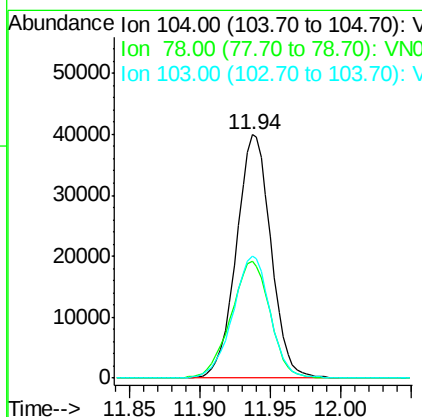
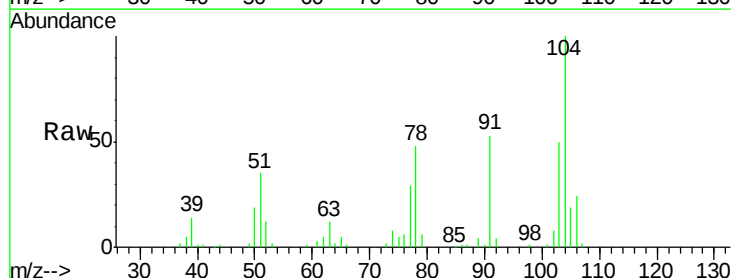
Manual Integrations
APPROVED

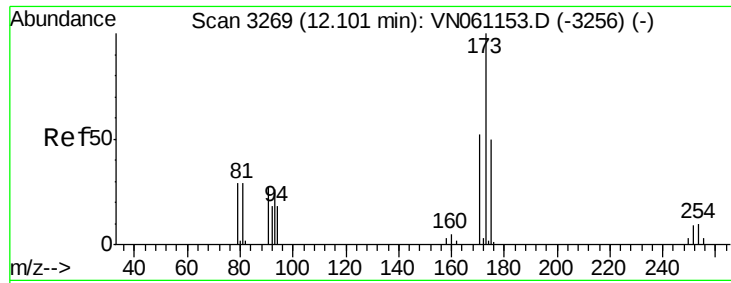
MMDadoda
5/7/2020 10:36:37 AM



#70
Styrene
Concen: 17.169 ug/l
RT: 11.94 min Scan# 3218
Delta R.T. -0.00 min
Lab File: VN061311.D
Acq: 6 May 2020 15:49

Tgt Ion:104 Resp: 68735
Ion Ratio Lower Upper
104 100
78 53.9 42.1 63.1
103 53.9 43.3 64.9





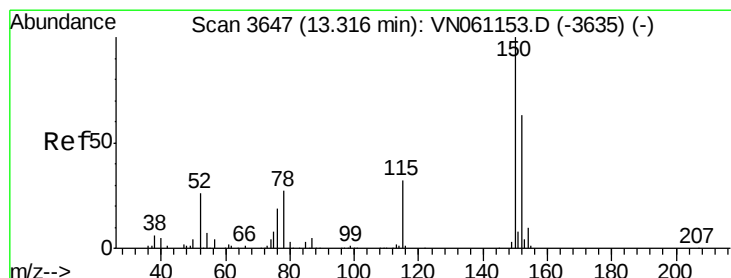
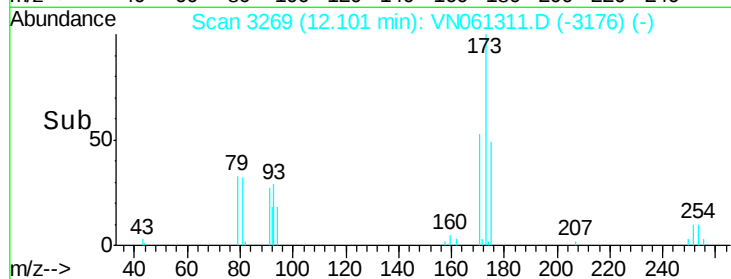
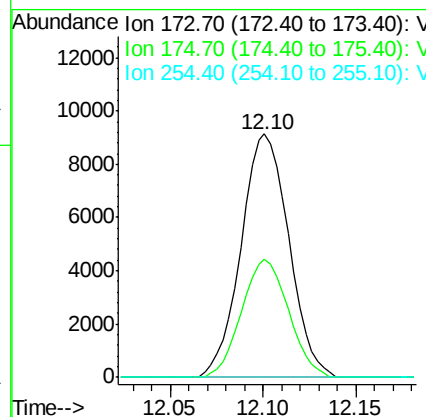
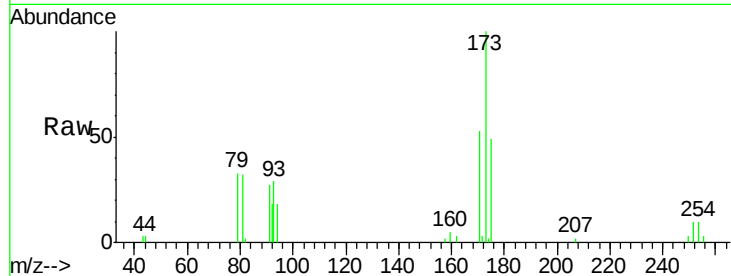
#71
Bromoform
Concen: 17.150 ug/l
RT: 12.10 min Scan# 3269
Delta R.T. 0.00 min
Lab File: VN061311.D
Acq: 6 May 2020 15:49

Instrument :
MSVOA_N
ClientSampleId :
VN0506WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.6	24.1	72.4
254	0.0	0.0	0.0

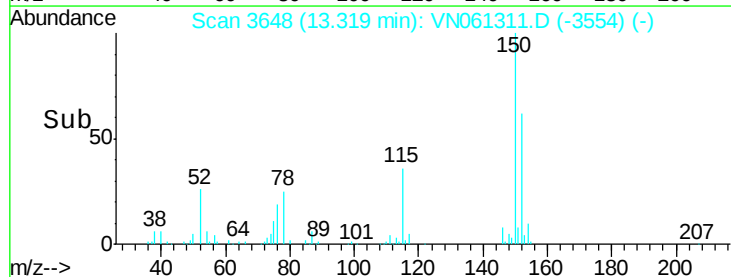
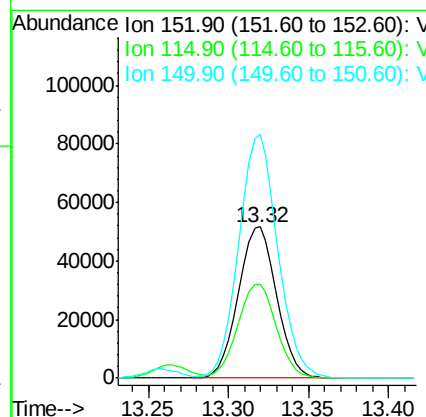
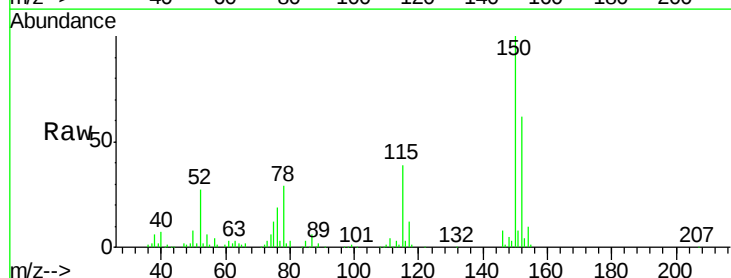
Manual Integrations
APPROVED

MMDadoda
5/7/2020 10:36:37 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3648
Delta R.T. 0.00 min
Lab File: VN061311.D
Acq: 6 May 2020 15:49

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.5	31.0	93.0
150	164.1	0.0	351.8





#73

Isopropylbenzene

Concen: 18.279 ug/l

RT: 12.22 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN061311.D

Acq: 6 May 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

VN0506WBSD01

Tot Ion: 105 Resp: 113012

Ion Ratio Lower Upper

105 100

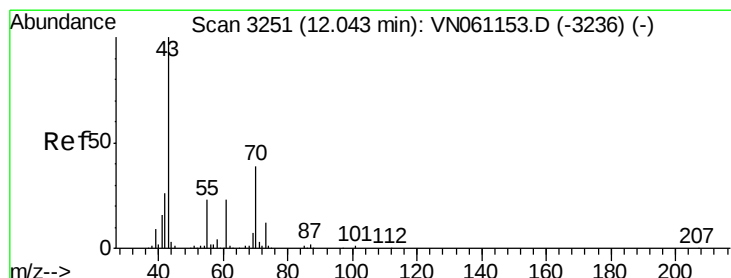
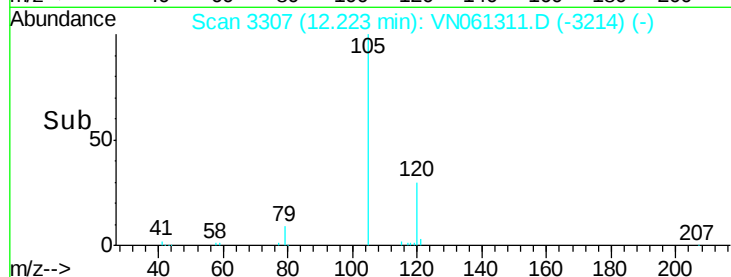
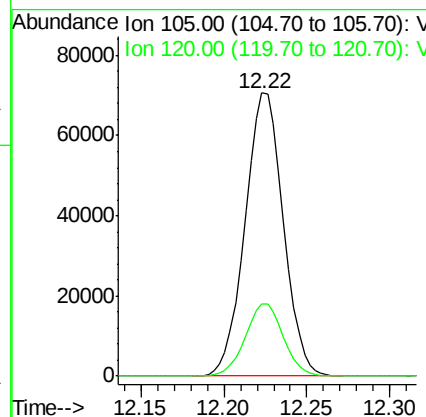
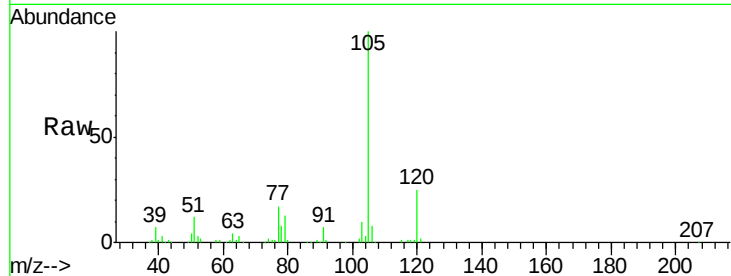
120 25.3 12.6 37.8

Manual Integrations

APPROVED

MMDadoda

5/7/2020 10:36:37 AM



#74

N-ethyl acetate

Concen: 16.857 ug/l

RT: 12.05 min Scan# 3252

Delta R.T. 0.00 min

Lab File: VN061311.D

Acq: 6 May 2020 15:49

Tgt Ion: 43 Resp: 52776

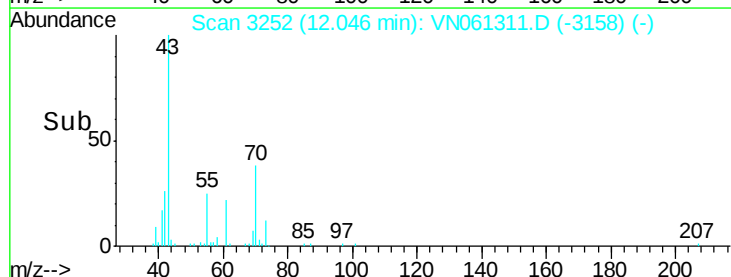
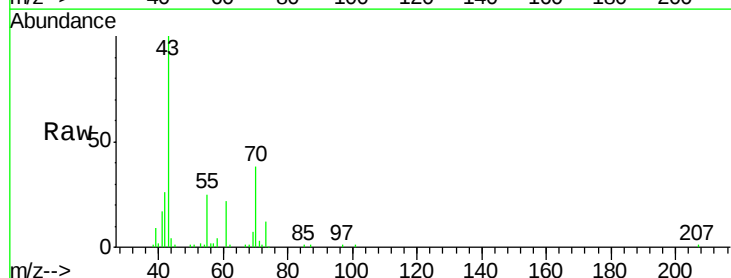
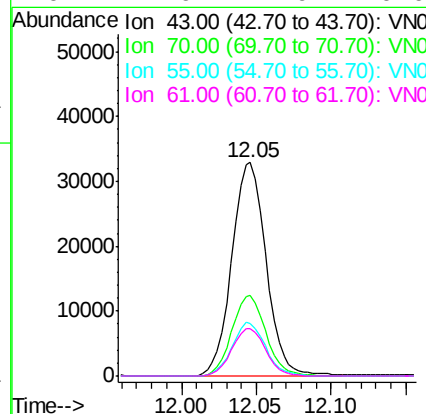
Ion Ratio Lower Upper

43 100

70 37.1 30.6 46.0

55 24.2 18.5 27.7

61 21.9 17.9 26.9





#75

1,1,2,2-Tetrachloroethane

Concen: 18.545 ug/l

RT: 12.48 min Scan# 3386

Delta R.T. -0.00 min

Lab File: VN061311.D

Acq: 6 May 2020 15:49

Instrument :

MSVOA_N

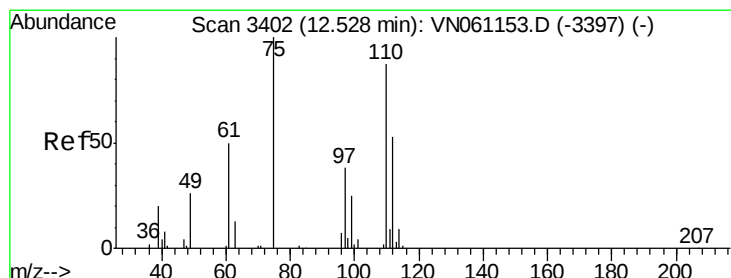
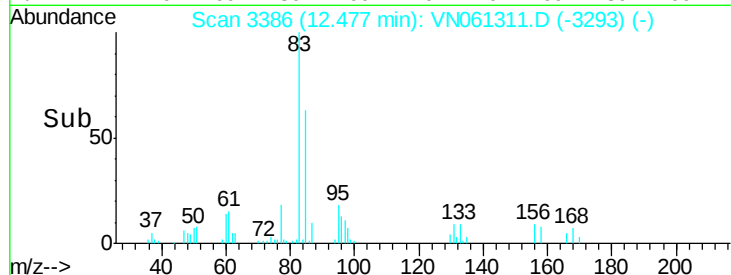
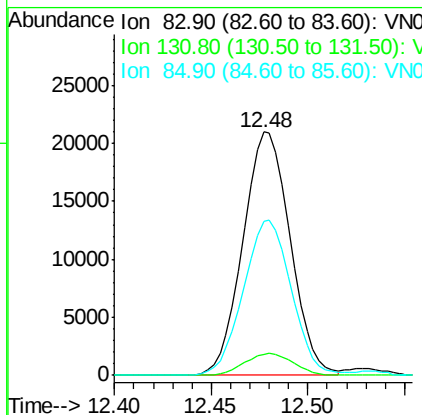
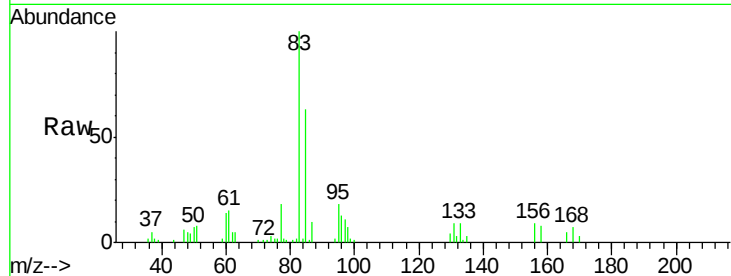
ClientSampleId :

VN0506WBSD01

Tot Ion:	83	Resp:	35752
Ion Ratio	Lower	Upper	
83	100		
131	9.3	4.8	14.3
85	64.5	32.0	96.0

Manual Integrations
APPROVED

MMDadoda
5/7/2020 10:36:37 AM



#76

1,2,3-Trichloropropane

Concen: 18.102 ug/l m

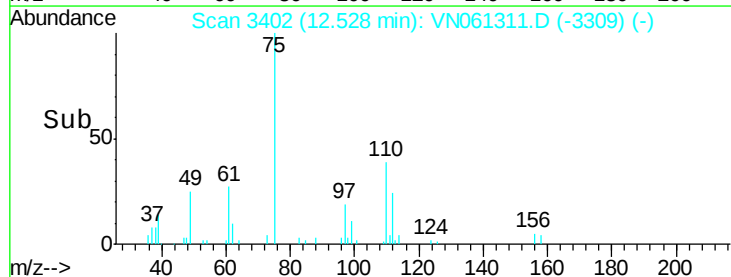
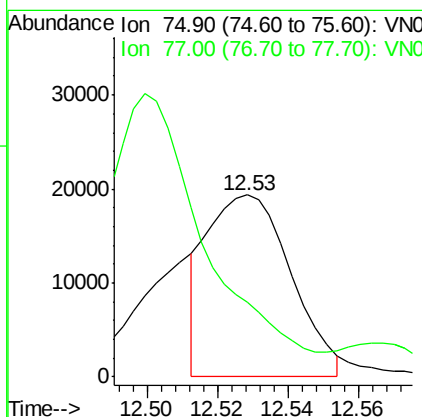
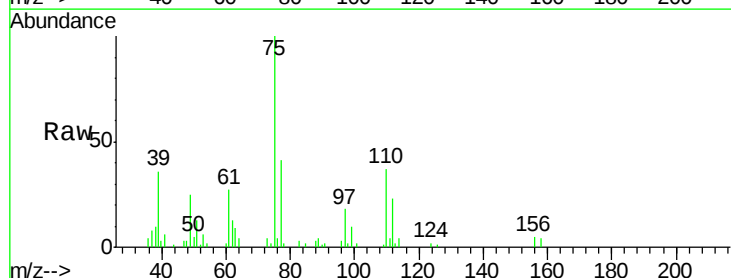
RT: 12.53 min Scan# 3402

Delta R.T. -0.00 min

Lab File: VN061311.D

Acq: 6 May 2020 15:49

Tgt Ion:	75	Resp:	32097
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.104 ug/l

RT: 12.50 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN061311.D

Acq: 6 May 2020 15:49

Instrument :

MSVOA_N

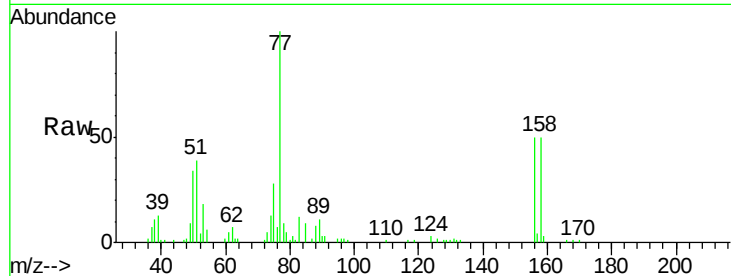
ClientSampled :

VN0506WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	239.7	117.4	352.2
158	98.1	48.4	145.0

Manual Integrations
APPROVED

MMDadoda
5/7/2020 10:36:37 AM

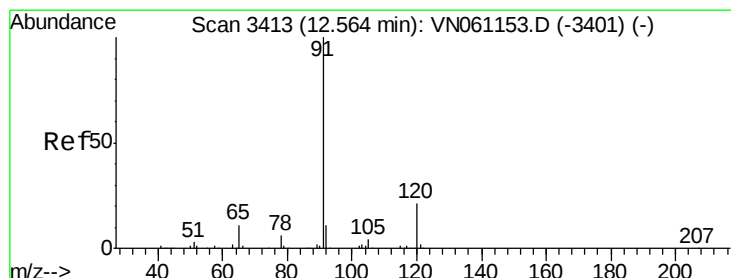
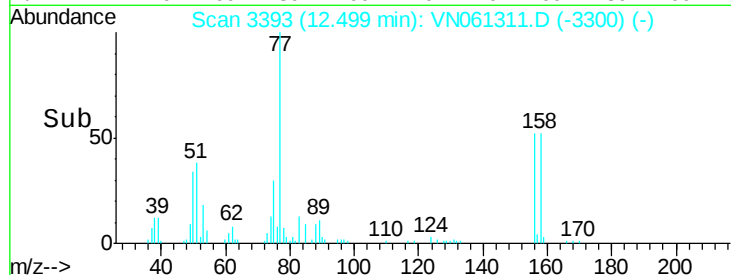
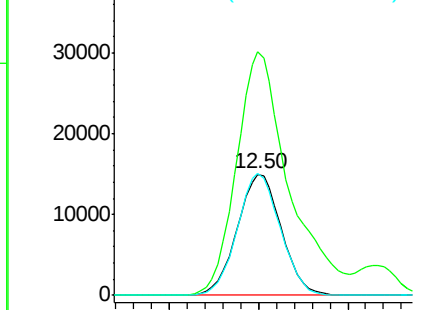


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.227 ug/l

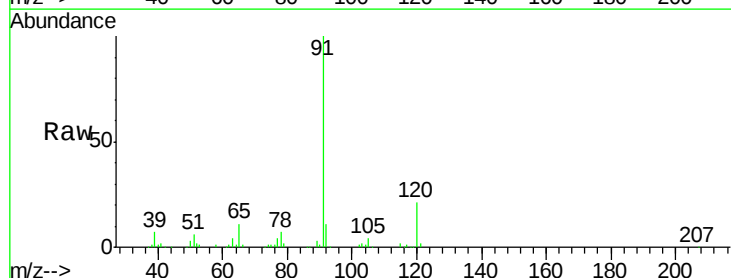
RT: 12.57 min Scan# 3414

Delta R.T. 0.00 min

Lab File: VN061311.D

Acq: 6 May 2020 15:49

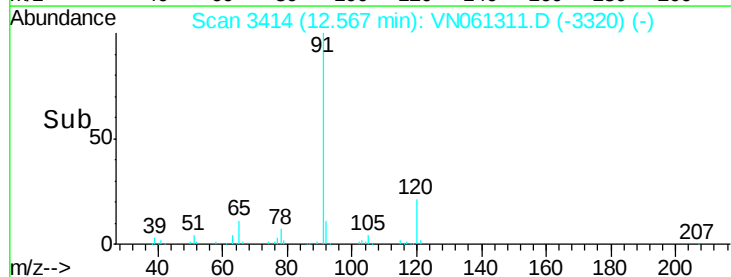
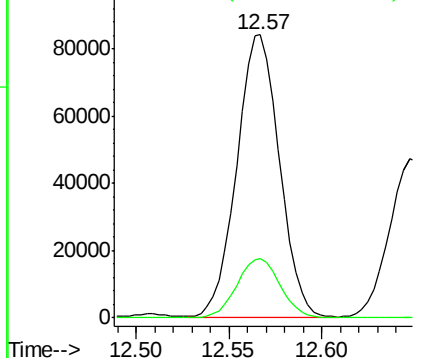
Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.3	10.8	32.3

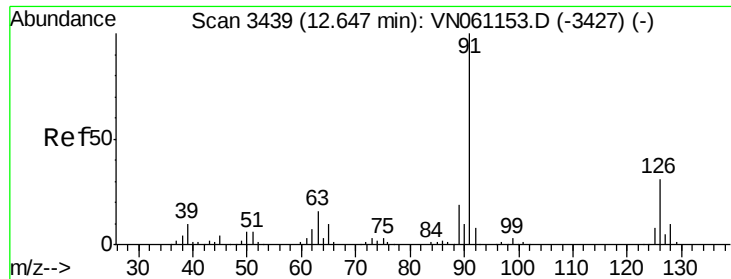


Abundance

Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





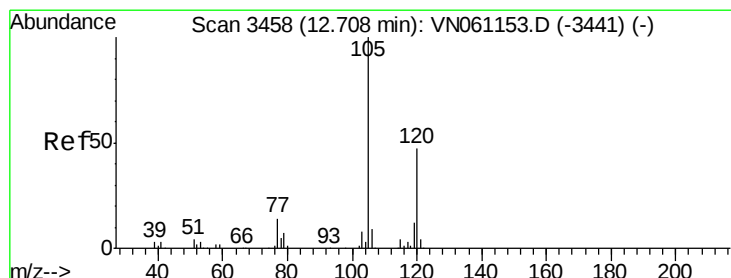
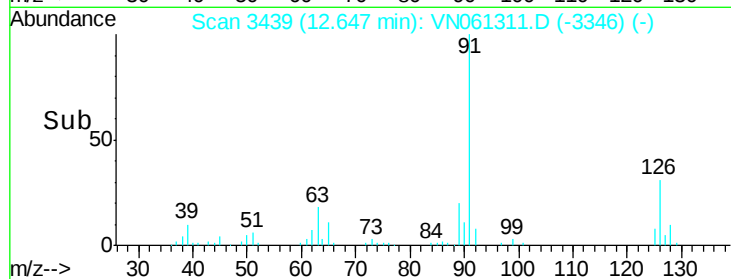
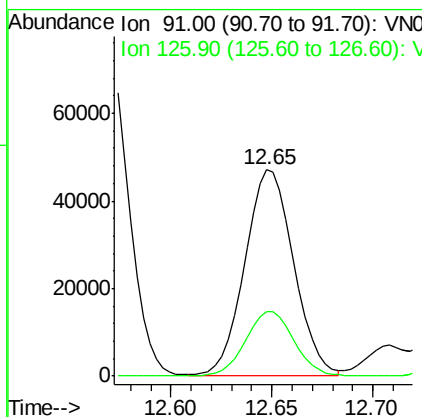
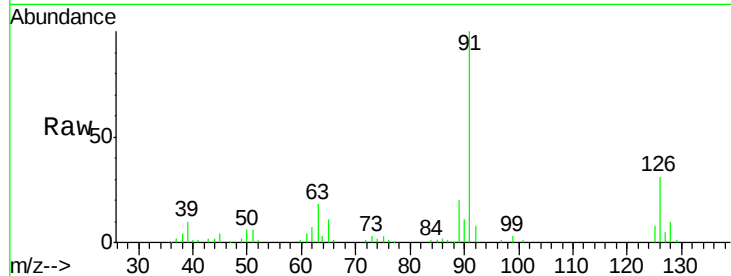
#79
 2-Chlorotoluene
 Concen: 18.347 ug/l
 RT: 12.65 min Scan# 3439
 Delta R.T. -0.00 min
 Lab File: VN061311.D
 Acq: 6 May 2020 15:49

Instrument :
 MSVOA_N
 ClientSampled :
 VN0506WBSD01

Tot Ion: 91 Resp: 79084
 Ion Ratio Lower Upper
 91 100
 126 31.4 15.9 47.7

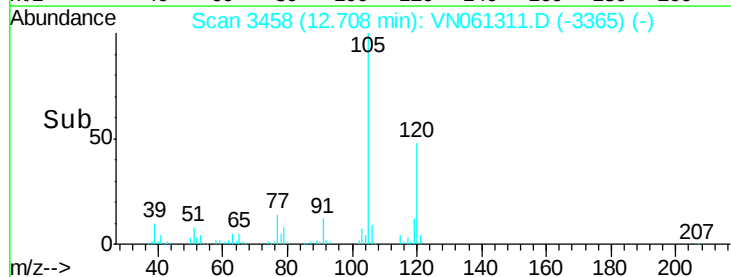
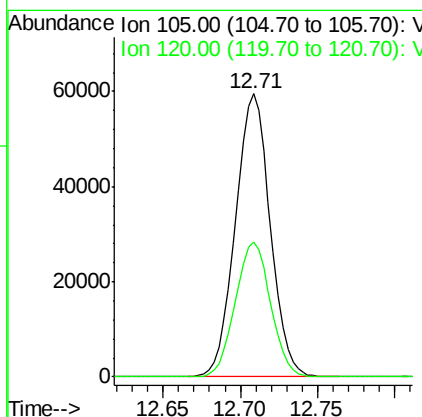
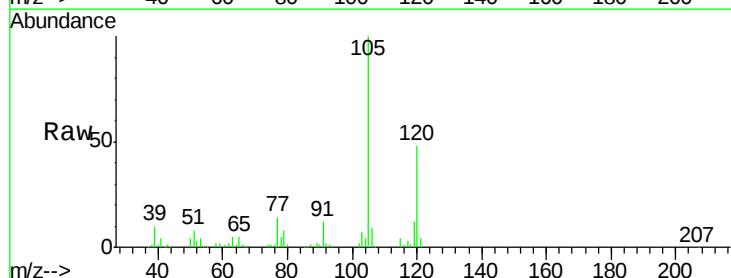
Manual Integrations
 APPROVED

MMDadoda
 5/7/2020 10:36:37 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 18.140 ug/l
 RT: 12.71 min Scan# 3458
 Delta R.T. -0.00 min
 Lab File: VN061311.D
 Acq: 6 May 2020 15:49

Tgt Ion: 105 Resp: 92826
 Ion Ratio Lower Upper
 105 100
 120 48.1 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 17.089 ug/l

RT: 12.27 min Scan# 3323

Delta R.T. -0.00 min

Lab File: VN061311.D

Acq: 6 May 2020 15:49

Instrument :

MSVOA_N

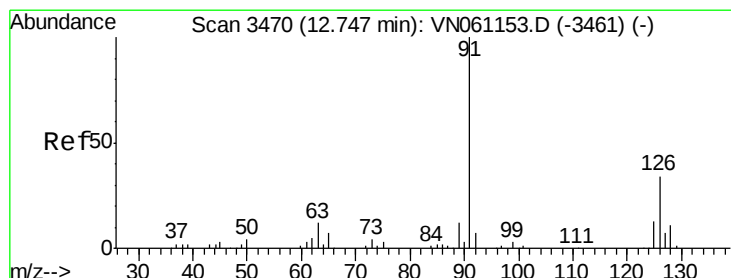
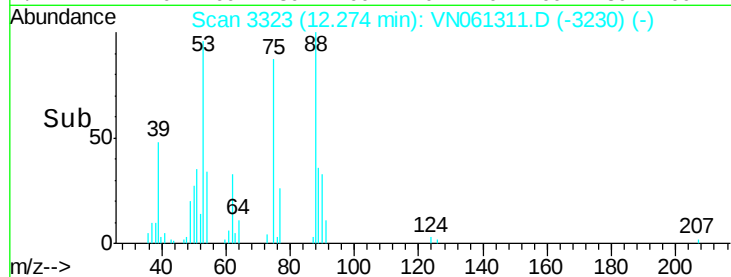
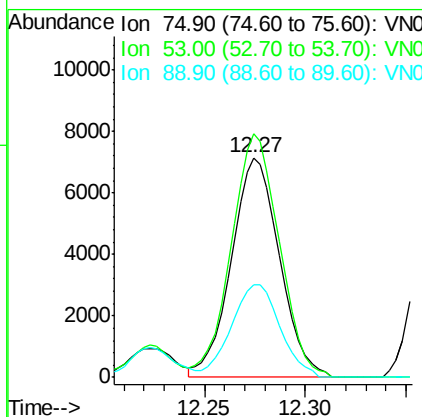
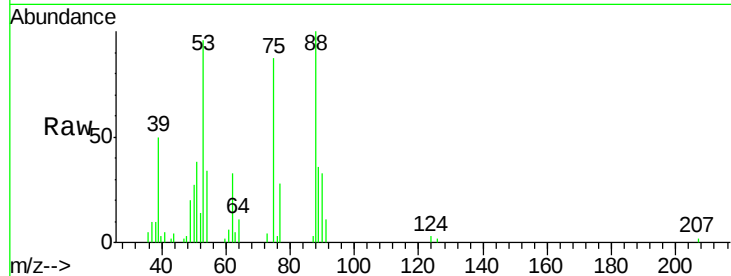
ClientSampled :

VN0506WBSD01

Tot Ion:	75	Resp:	11932
Ion	Ratio	Lower	Upper
75	100		
53	110.6	84.1	126.1
89	42.9	35.2	52.8

Manual Integrations
APPROVED

MMDadoda
5/7/2020 10:36:37 AM



#82

4-Chlorotoluene

Concen: 18.470 ug/l

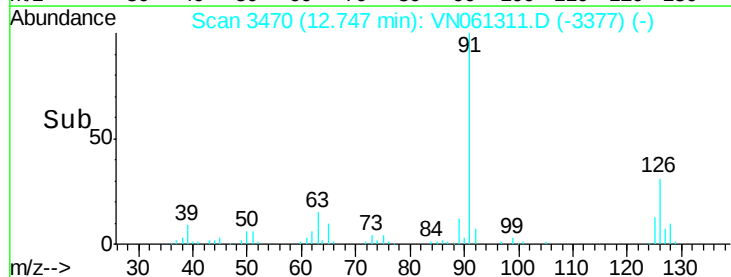
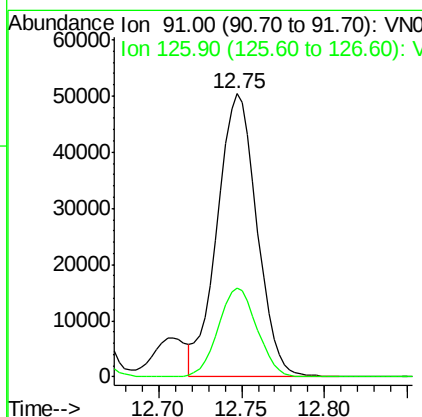
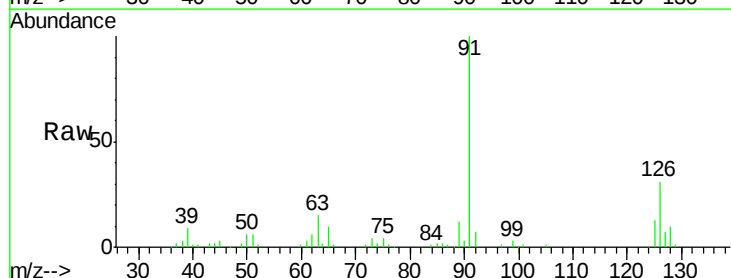
RT: 12.75 min Scan# 3470

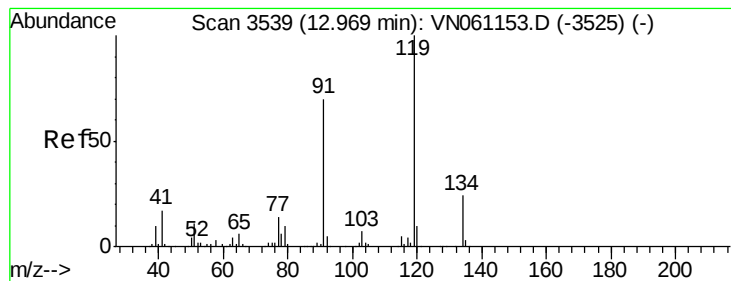
Delta R.T. -0.00 min

Lab File: VN061311.D

Acq: 6 May 2020 15:49

Tgt Ion:	91	Resp:	83911
Ion	Ratio	Lower	Upper
91	100		
126	30.7	15.7	47.1





#83

tert-Butylbenzene

Concen: 17.522 ug/l

RT: 12.97 min Scan# 3539

Delta R.T. 0.00 min

Lab File: VN061311.D

Acq: 6 May 2020 15:49

Instrument :

MSVOA_N

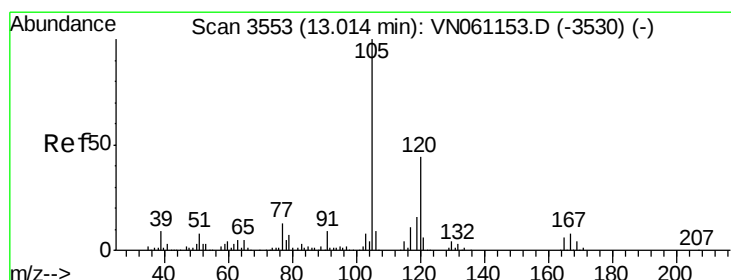
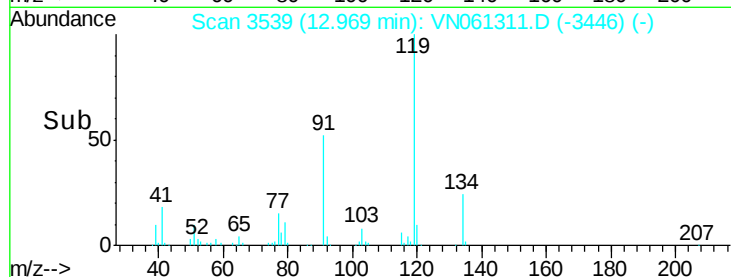
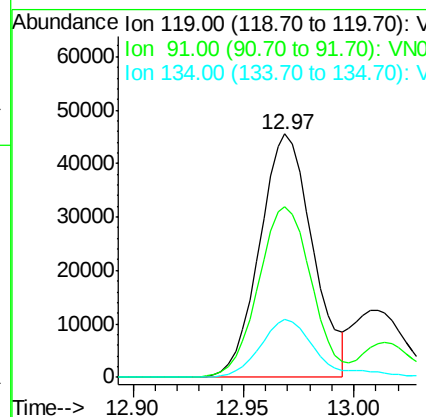
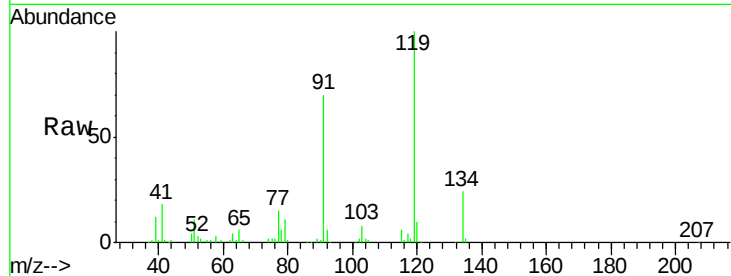
ClientSampled :

VN0506WBSD01

Tot Ion:	119	Resp:	75605
Ion Ratio	Lower	Upper	
119	100		
91	70.4	34.8	104.4
134	25.5	12.9	38.7

Manual Integrations
APPROVED

MMDadoda
5/7/2020 10:36:37 AM



#84

1,2,4-Trimethylbenzene

Concen: 17.965 ug/l

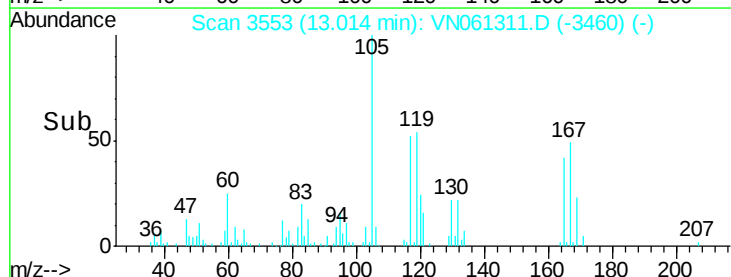
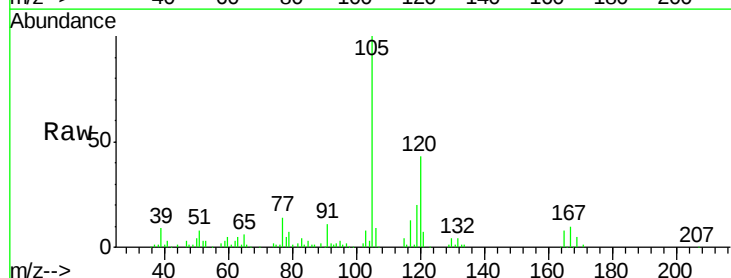
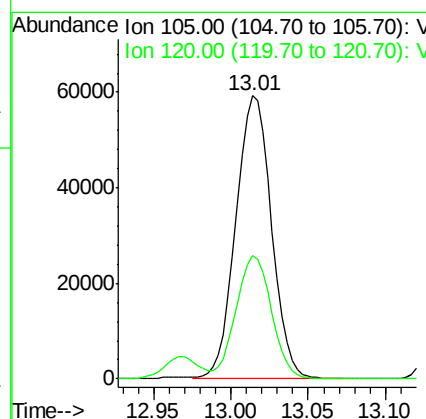
RT: 13.01 min Scan# 3553

Delta R.T. 0.00 min

Lab File: VN061311.D

Acq: 6 May 2020 15:49

Tgt Ion:	105	Resp:	94714
Ion Ratio	Lower	Upper	
105	100		
120	43.6	22.2	66.6





#85

sec-Butylbenzene

Concen: 17.168 ug/l

RT: 13.15 min Scan# 3594

Delta R.T. -0.00 min

Lab File: VN061311.D

Acq: 6 May 2020 15:49

Instrument :

MSVOA_N

ClientSampled :

VN0506WBSD01

Tot Ion:105 Resp: 100996

Ion Ratio Lower Upper

105 100

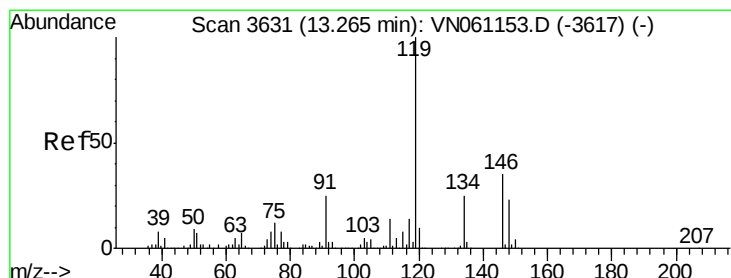
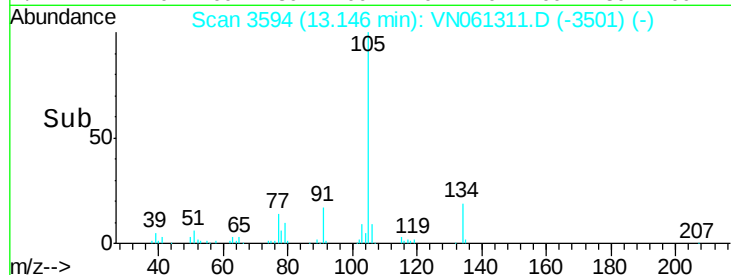
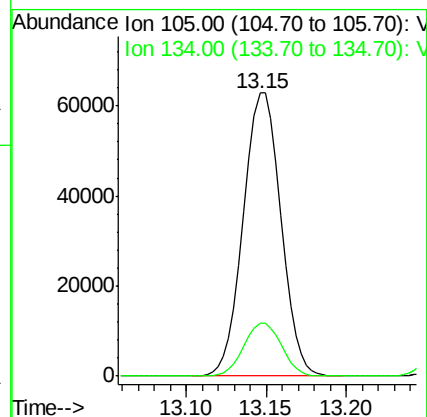
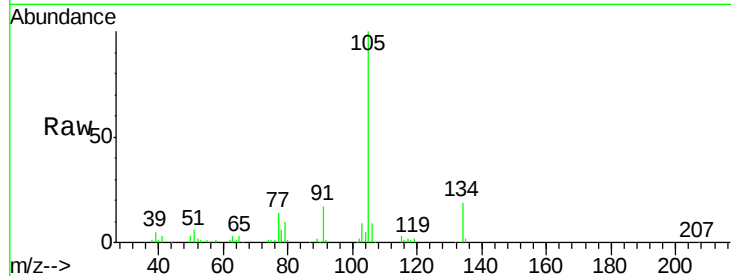
134 18.7 9.6 28.8

Manual Integrations

APPROVED

MMDadoda

5/7/2020 10:36:37 AM



#86

p-Isopropyltoluene

Concen: 17.050 ug/l

RT: 13.26 min Scan# 3631

Delta R.T. -0.00 min

Lab File: VN061311.D

Acq: 6 May 2020 15:49

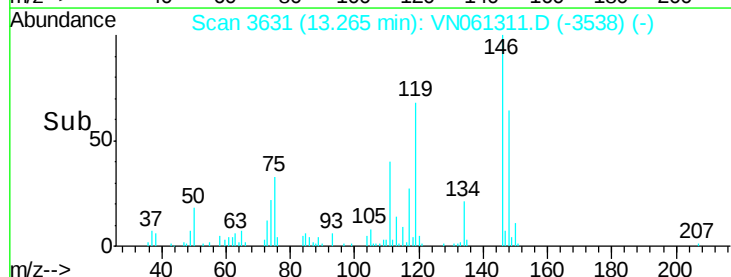
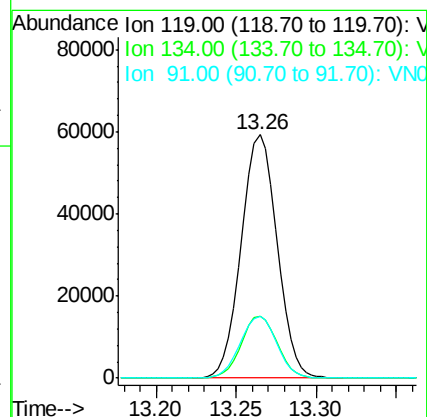
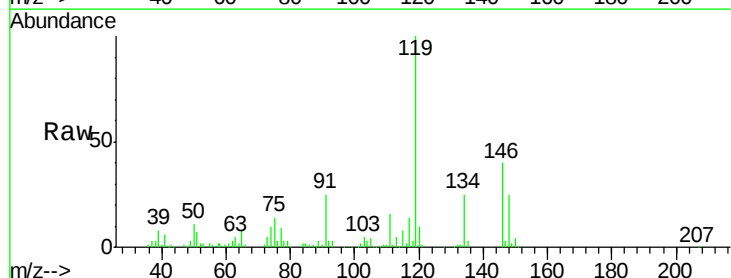
Tgt Ion:119 Resp: 90368

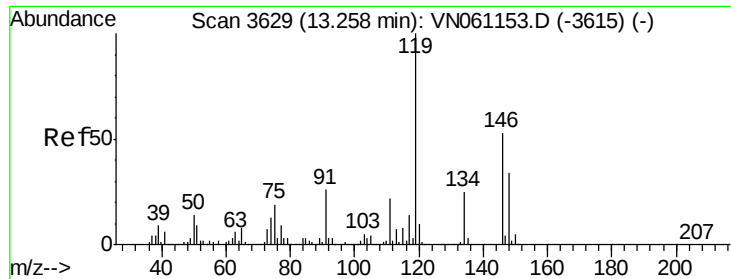
Ion Ratio Lower Upper

119 100

134 25.4 12.6 37.6

91 25.7 12.7 38.0





#87

1,3-Dichlorobenzene

Concen: 18.129 ug/l

RT: 13.26 min Scan# 3629

Delta R.T. -0.00 min

Lab File: VN061311.D

Acq: 6 May 2020 15:49

Instrument :

MSVOA_N

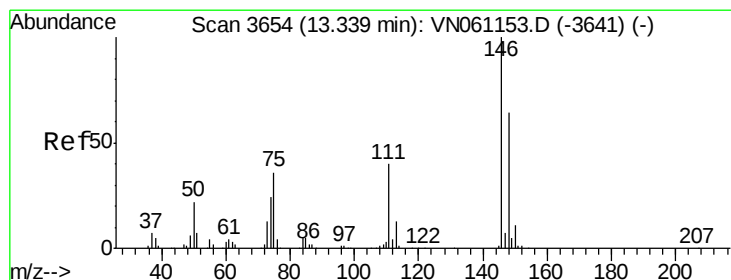
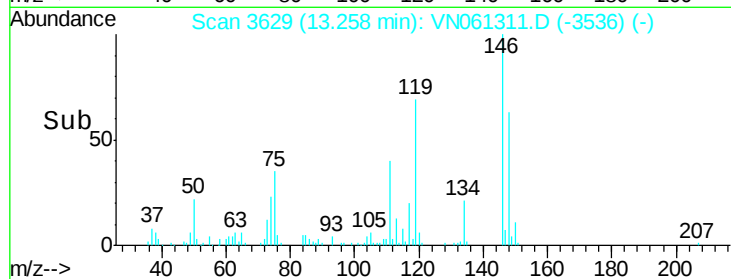
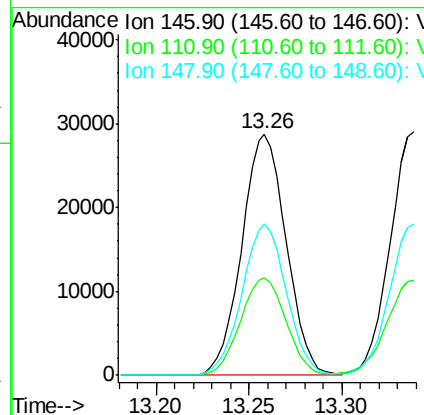
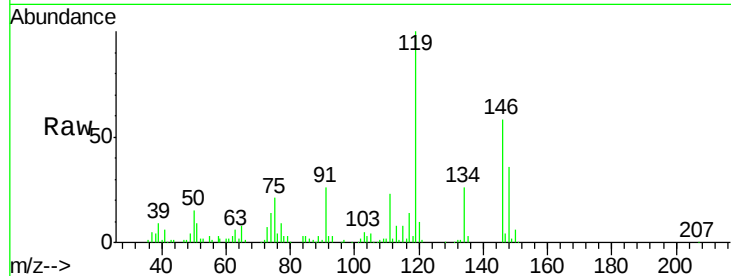
ClientSampled :

VN0506WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.7	62.1
148	63.1	31.8	95.3

Manual Integrations
APPROVED

MMDadoda
5/7/2020 10:36:37 AM



#88

1,4-Dichlorobenzene

Concen: 17.772 ug/l

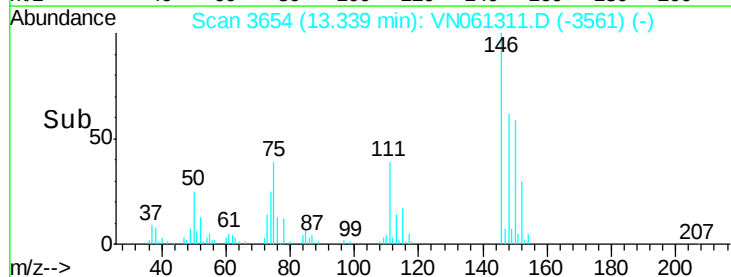
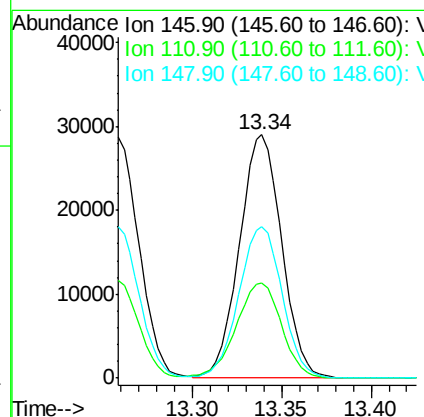
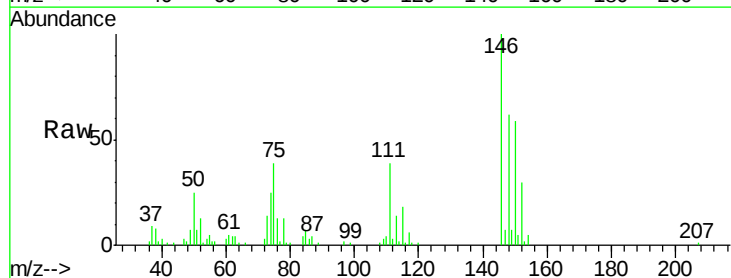
RT: 13.34 min Scan# 3654

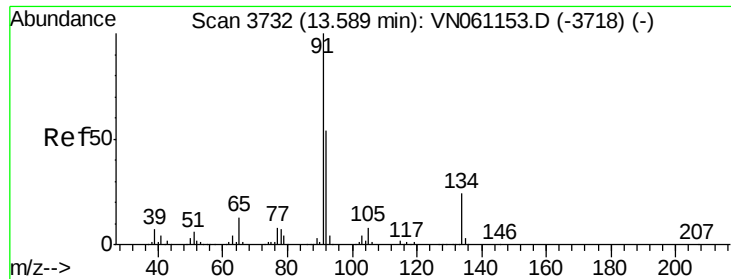
Delta R.T. -0.00 min

Lab File: VN061311.D

Acq: 6 May 2020 15:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.4	61.3
148	63.7	31.9	95.7





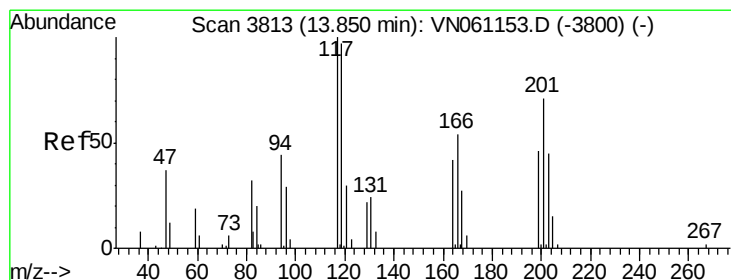
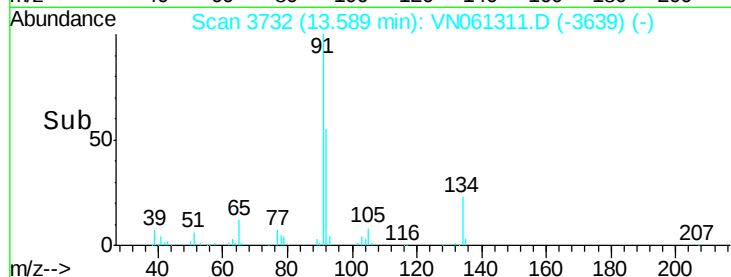
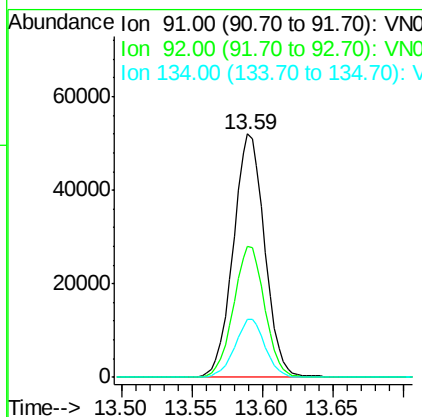
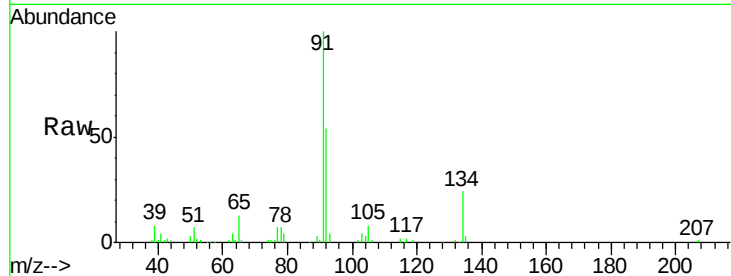
#89
n-Butylbenzene
Concen: 16.692 ug/l
RT: 13.59 min Scan# 3732
Delta R.T. -0.00 min
Lab File: VN061311.D
Acq: 6 May 2020 15:49

Instrument :
MSVOA_N
ClientSampled :
VN0506WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.4	26.8	80.3
134	23.0	11.9	35.5

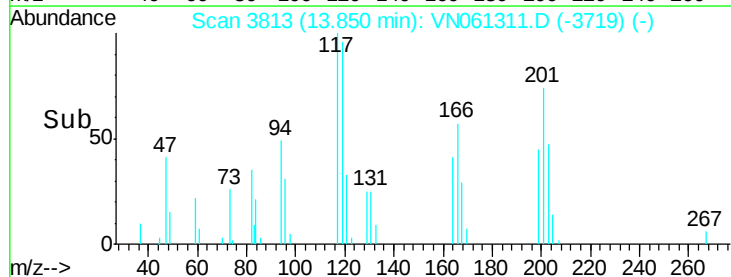
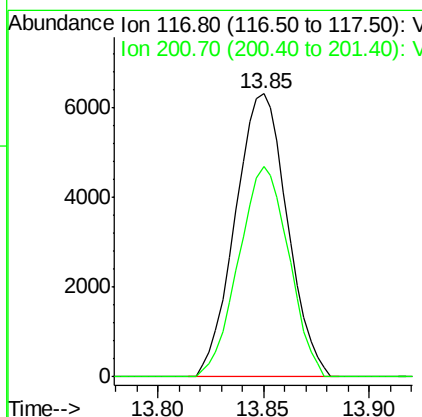
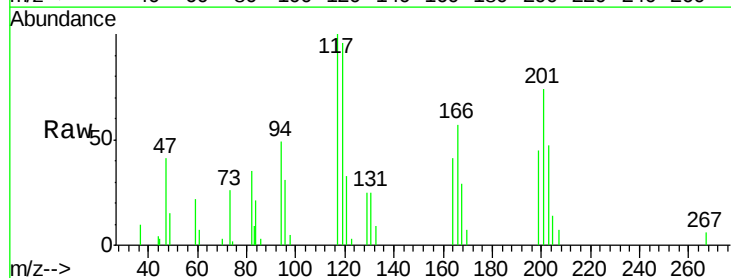
Manual Integrations
APPROVED

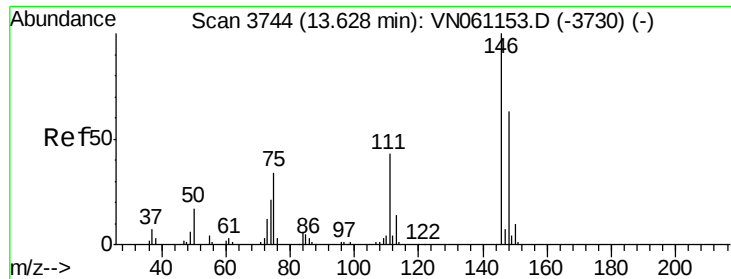
MMDadoda
5/7/2020 10:36:37 AM



#90
Hexachloroethane
Concen: 24.241 ug/l
RT: 13.85 min Scan# 3813
Delta R.T. 0.00 min
Lab File: VN061311.D
Acq: 6 May 2020 15:49

Tgt Ion	Ratio	Lower	Upper
117	100		
201	71.4	35.5	106.7





#91

1,2-Dichlorobenzene

Concen: 17.915 ug/l

RT: 13.63 min Scan# 3744

Delta R.T. -0.00 min

Lab File: VN061311.D

Acq: 6 May 2020 15:49

Instrument :

MSVOA_N

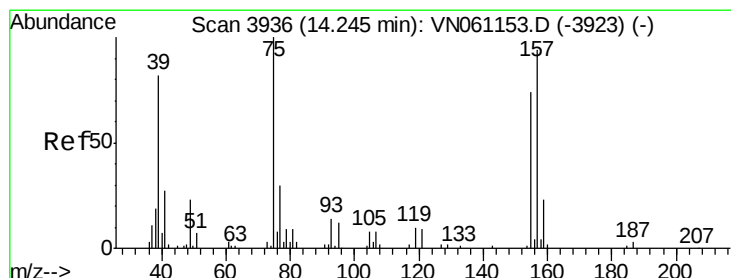
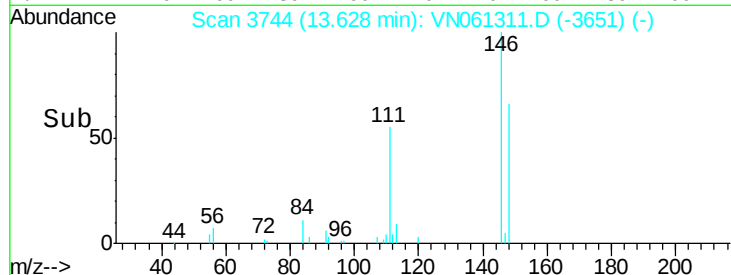
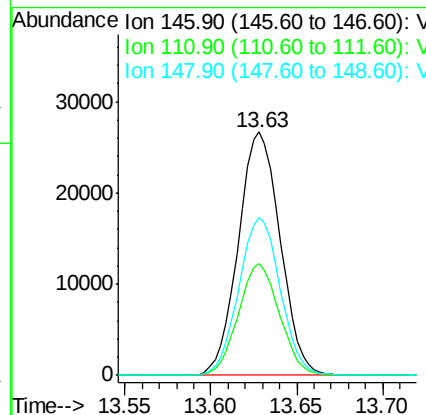
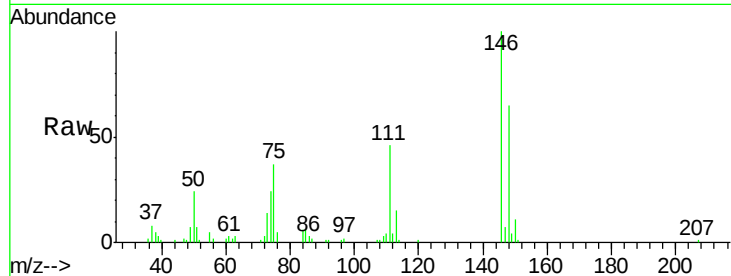
ClientSampleId :

VN0506WBSD01

Tot Ion:	146	Resp:	45133
Ion Ratio	Lower	Upper	
146	100		
111	45.0	21.8	65.3
148	64.2	31.6	95.0

Manual Integrations
APPROVED

MMDadoda
5/7/2020 10:36:37 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.325 ug/l

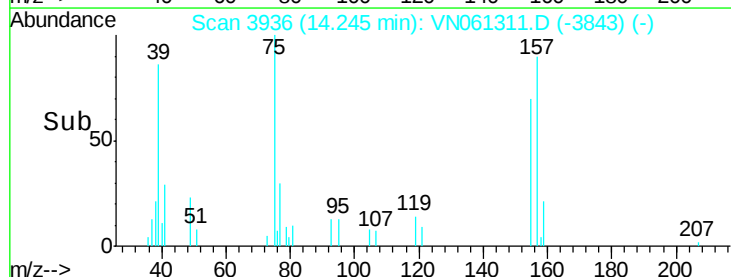
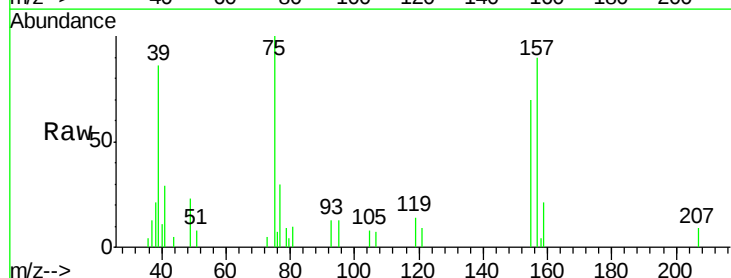
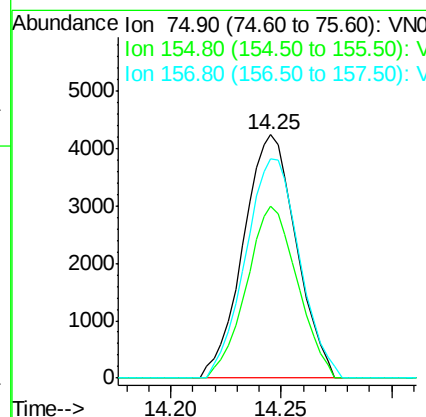
RT: 14.25 min Scan# 3936

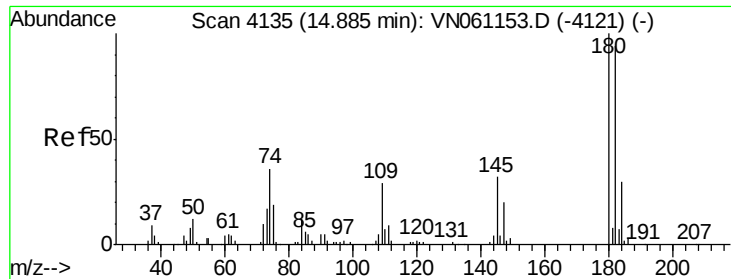
Delta R.T. -0.00 min

Lab File: VN061311.D

Acq: 6 May 2020 15:49

Tgt Ion:	75	Resp:	7054
Ion Ratio	Lower	Upper	
75	100		
155	67.8	36.5	109.7
157	91.7	46.6	139.7





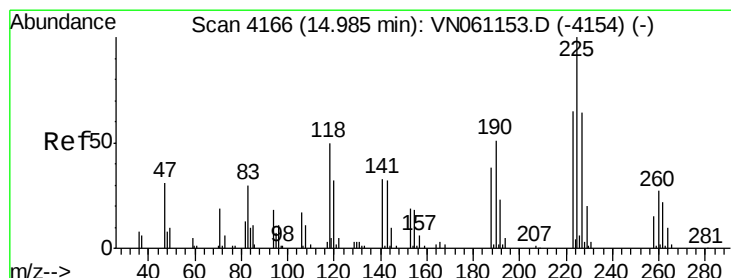
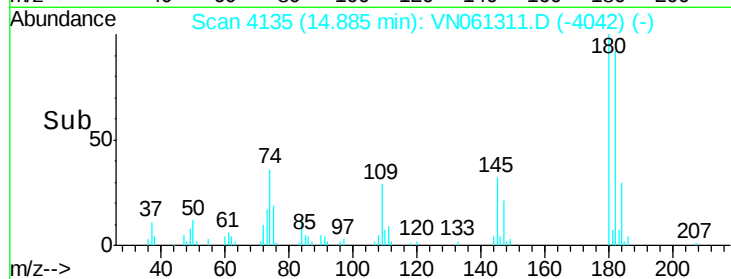
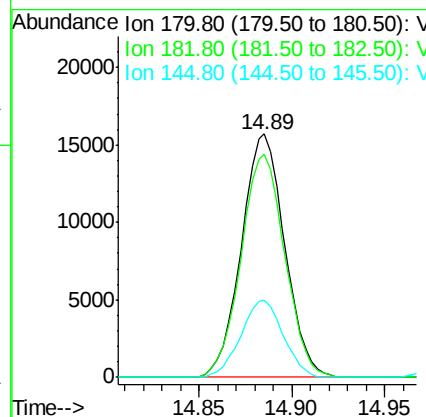
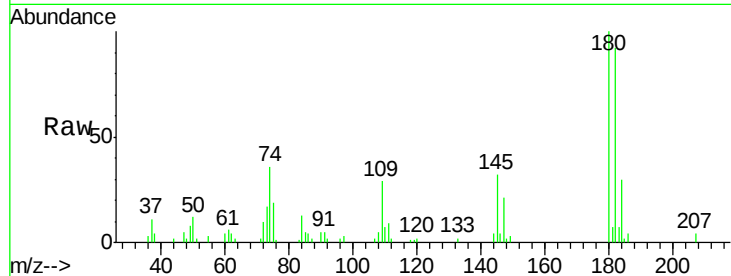
#93
 1,2,4-Trichlorobenzene
 Concen: 16.548 ug/l
 RT: 14.89 min Scan# 4135
 Delta R.T. -0.00 min
 Lab File: VN061311.D
 Acq: 6 May 2020 15:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0506WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.0	47.3	141.9
145	31.0	16.0	47.9

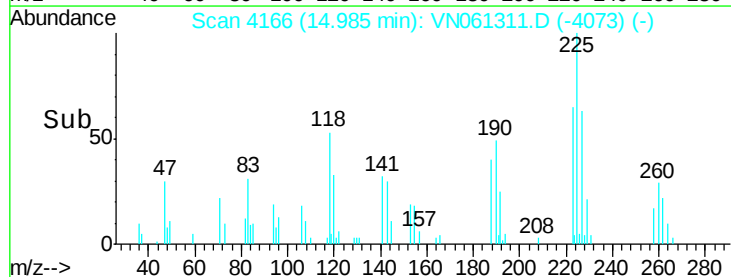
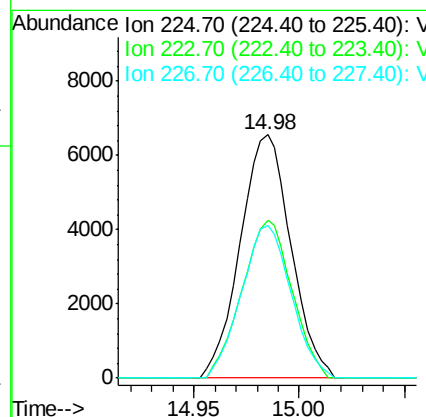
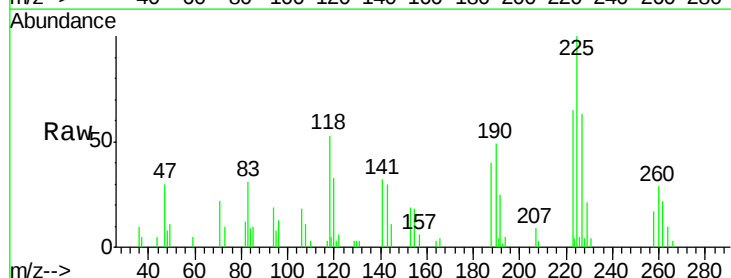
Manual Integrations
 APPROVED

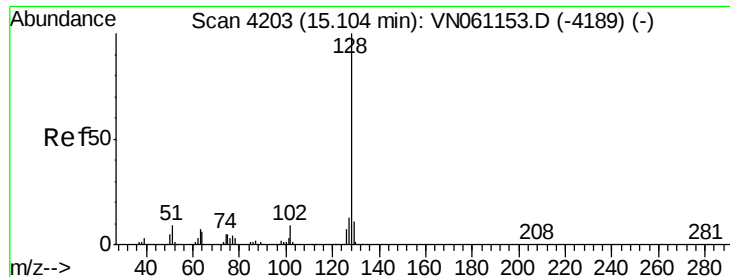
MMDadoda
 5/7/2020 10:36:37 AM



#94
 Hexachlorobutadiene
 Concen: 17.068 ug/l
 RT: 14.98 min Scan# 4166
 Delta R.T. -0.00 min
 Lab File: VN061311.D
 Acq: 6 May 2020 15:49

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.7	32.4	97.0
227	61.7	32.4	97.0





#95

Naphthalene

Concen: 15.252 ug/l

RT: 15.11 min Scan# 4204

Delta R.T. 0.00 min

Lab File: VN061311.D

Acq: 6 May 2020 15:49

Instrument :

MSVOA_N

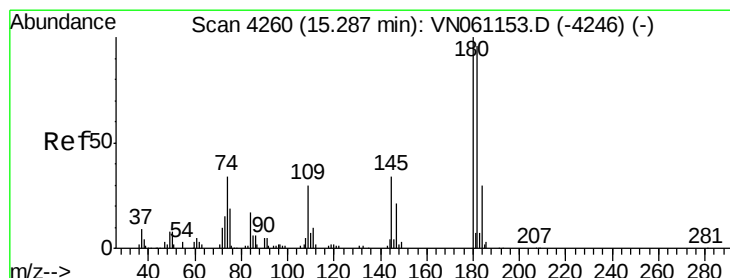
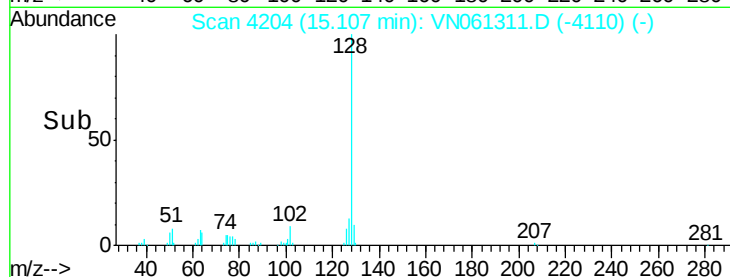
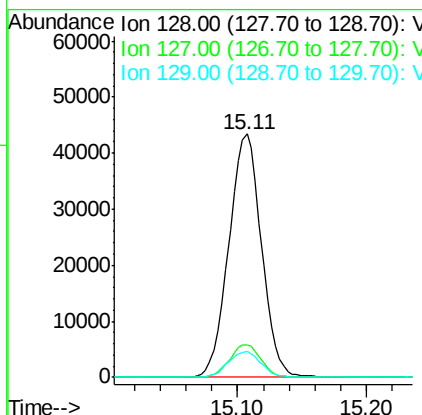
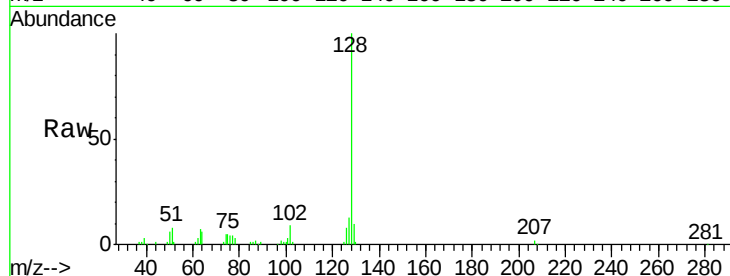
ClientSampleId :

VN0506WBSD01

Tot Ion:	128	Resp:	76202
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.4	15.6
129	10.5	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
5/7/2020 10:36:37 AM



#96

1,2,3-Trichlorobenzene

Concen: 16.853 ug/l

RT: 15.29 min Scan# 4260

Delta R.T. 0.00 min

Lab File: VN061311.D

Acq: 6 May 2020 15:49

Tgt Ion:	180	Resp:	25527
Ion Ratio	Lower	Upper	
180	100		
182	91.5	47.5	142.5
145	33.2	16.9	50.7

