

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082020\
 Data File : VN063050.D
 Acq On : 20 Aug 2020 22:02
 Operator : JC/MD
 Sample : VN0820WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBS02

Manual Integrations
 APPROVED

MMDadoda
 8/21/2020 9:20:38 AM

Quant Time: Aug 21 06:55:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 19 06:09:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	171551	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	261905	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	250022	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	116817	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	105767	52.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.04%	
35) Dibromofluoromethane	7.55	113	87588	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	
50) Toluene-d8	10.06	98	336778	51.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.76%	
62) 4-Bromofluorobenzene	12.38	95	114947	49.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.38%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	46564	20.937	ug/l	99
3) Chloromethane	2.03	50	51018	21.690	ug/l	99
4) Vinyl Chloride	2.16	62	51523	22.650	ug/l	97
5) Bromomethane	2.52	94	30555	22.630	ug/l	99
6) Chloroethane	2.67	64	29514	21.975	ug/l	99
7) Trichlorofluoromethane	2.98	101	60249	21.238	ug/l	97
8) Diethyl Ether	3.37	74	19831	19.761	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.72	101	30917	20.225	ug/l	97
10) Methyl Iodide	3.91	142	37786	19.502	ug/l	98
11) Tert butyl alcohol	4.74	59	26484	91.960	ug/l #	88
12) 1,1-Dichloroethene	3.70	96	28078	19.282	ug/l	97
13) Acrolein	3.57	56	4592	50.897	ug/l	96
14) Allyl chloride	4.28	41	49838	19.411	ug/l	100
15) Acrylonitrile	4.94	53	88237	104.241	ug/l	99
16) Acetone	3.78	43	68052	105.058	ug/l	99
17) Carbon Disulfide	4.01	76	76010	19.931	ug/l	98
18) Methyl Acetate	4.28	43	41245	20.413	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	104480	20.574	ug/l	98
20) Methylene Chloride	4.50	84	39004	20.983	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	31321	20.553	ug/l	98
22) Diisopropyl ether	5.90	45	126561	21.722	ug/l	92
23) Vinyl Acetate	5.85	43	388231	98.743	ug/l	100
24) 1,1-Dichloroethane	5.80	63	67251	20.656	ug/l	99
25) 2-Butanone	6.79	43	108978	100.959	ug/l	98
26) 2,2-Dichloropropane	6.78	77	45721	17.856	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	39642	20.754	ug/l	96
28) Bromochloromethane	7.15	49	33478	19.652	ug/l	97
29) Tetrahydrofuran	7.17	42	73178	105.041	ug/l	99
30) Chloroform	7.33	83	68380	20.854	ug/l	99
31) Cyclohexane	7.62	56	61301	20.457	ug/l	94
32) 1,1,1-Trichloroethane	7.53	97	55058	20.567	ug/l	99
36) 1,1-Dichloropropene	7.75	75	44491	19.276	ug/l	98
37) Ethyl Acetate	6.89	43	42348	19.581	ug/l	99
38) Carbon Tetrachloride	7.73	117	46642	20.017	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082020\
 Data File : VN063050.D
 Acq On : 20 Aug 2020 22:02
 Operator : JC/MD
 Sample : VN0820WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0820WBS02

Manual Integrations
 APPROVED

MMDadoda
 8/21/2020 9:20:38 AM

Quant Time: Aug 21 06:55:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 19 06:09:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	53502	18.196	ug/l	93
40) Benzene	8.00	78	148050	20.225	ug/l	100
41) Methacrylonitrile	7.12	41	18444	17.900	ug/l	90
42) 1,2-Dichloroethane	8.09	62	51967	21.142	ug/l	100
43) Isopropyl Acetate	8.13	43	70913	19.792	ug/l	100
44) Trichloroethene	8.80	130	35656	19.582	ug/l	95
45) 1,2-Dichloropropane	9.09	63	43429	20.524	ug/l	99
46) Dibromomethane	9.18	93	25521	20.878	ug/l	99
47) Bromodichloromethane	9.37	83	55005	20.545	ug/l	99
48) Methyl methacrylate	9.17	41	33594	19.817	ug/l	98
49) 1,4-Dioxane	9.17	88	13093	360.903	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	231616	102.273	ug/l	99
52) Toluene	10.13	92	90866	20.577	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	54779	19.785	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	61218	20.156	ug/l	98
55) 1,1,2-Trichloroethane	10.54	97	39035	20.673	ug/l	97
56) Ethyl methacrylate	10.40	69	50691	18.518	ug/l	97
57) 1,3-Dichloropropane	10.68	76	64843	20.681	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.67	63	47259	75.604	ug/l	99
59) 2-Hexanone	10.72	43	160880	101.844	ug/l	97
60) Dibromochloromethane	10.87	129	41737	19.974	ug/l	99
61) 1,2-Dibromoethane	10.98	107	37730	20.796	ug/l	99
64) Tetrachloroethene	10.60	164	33366	20.302	ug/l	97
65) Chlorobenzene	11.41	112	100026	19.920	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	39118	20.029	ug/l	99
67) Ethyl Benzene	11.49	91	168492	19.858	ug/l	98
68) m/p-Xylenes	11.60	106	128936	40.887	ug/l	100
69) o-Xylene	11.92	106	60679	20.038	ug/l	98
70) Styrene	11.94	104	107380	19.105	ug/l	99
71) Bromoform	12.10	173	30548	19.650	ug/l #	100
73) Isopropylbenzene	12.23	105	165304	20.664	ug/l	100
74) N-amyl acetate	12.05	43	57509	20.072	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	57296	21.226	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	48520m	21.368	ug/l	
77) Bromobenzene	12.50	156	44649	20.294	ug/l	98
78) n-propylbenzene	12.57	91	193837	21.258	ug/l	99
79) 2-Chlorotoluene	12.65	91	118628	20.684	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	138813	20.991	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.28	75	16025	19.383	ug/l	96
82) 4-Chlorotoluene	12.75	91	120957	20.712	ug/l	100
83) tert-Butylbenzene	12.97	119	117536	20.593	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	133692	20.752	ug/l	100
85) sec-Butylbenzene	13.15	105	158849	20.593	ug/l	100
86) p-Isopropyltoluene	13.26	119	133625	19.881	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	77904	20.603	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	77050	20.077	ug/l	99
89) n-Butylbenzene	13.59	91	101559	17.830	ug/l	99
90) Hexachloroethane	13.85	117	28762	20.133	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	75418	20.649	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.24	75	8583	21.304	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082020\
Data File : VN063050.D
Acq On : 20 Aug 2020 22:02
Operator : JC/MD
Sample : VN0820WBS02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBS02

Manual Integrations
APPROVED

MMDadoda
8/21/2020 9:20:38 AM

Quant Time: Aug 21 06:55:21 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081820W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 19 06:09:27 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	30445	18.216	ug/l	99
94) Hexachlorobutadiene	14.99	225	24898	18.448	ug/l	98
95) Naphthalene	15.11	128	64119	17.847	ug/l	98
96) 1,2,3-Trichlorobenzene	15.28	180	29710	17.748	ug/l	97

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

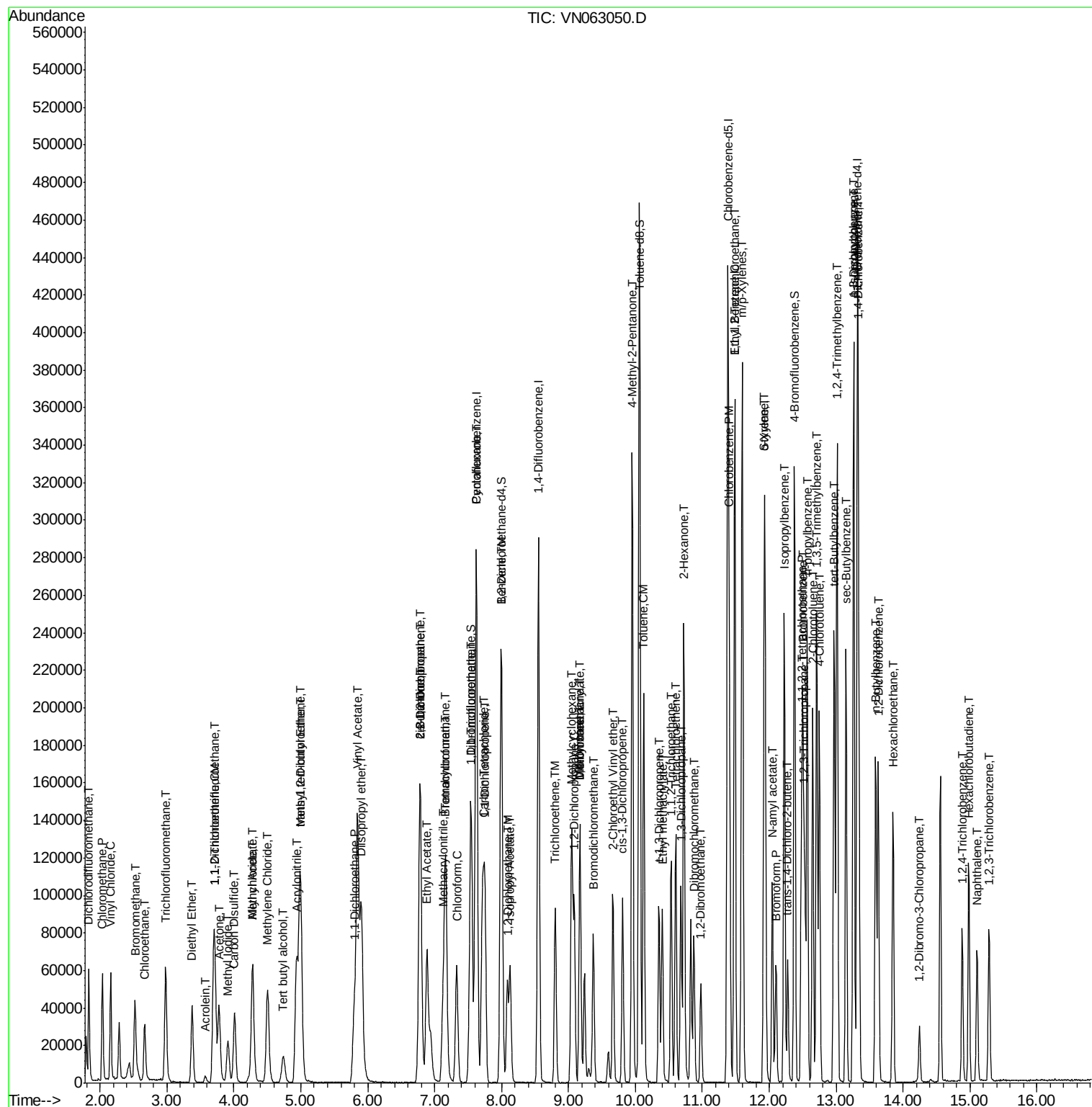
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082020\
 Data File : VN063050.D
 Acq On : 20 Aug 2020 22:02
 Operator : JC/MD
 Sample : VN0820WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 30 Sample Multiplier: 1

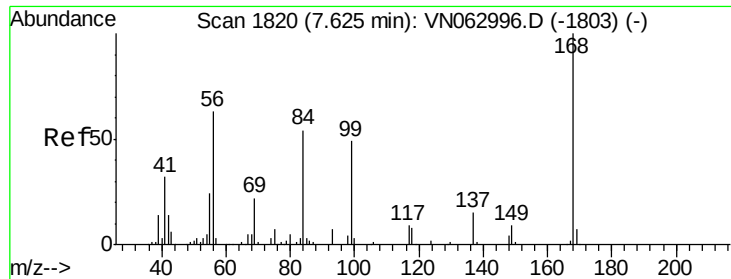
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBS02

Manual Integrations
 APPROVED

MMDadoda
 8/21/2020 9:20:38 AM

Quant Time: Aug 21 06:55:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 19 06:09:27 2020
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN063050.D

Acq: 20 Aug 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBS02

Tot Ion:168 Resp: 171551

Ion Ratio Lower Upper

168 100

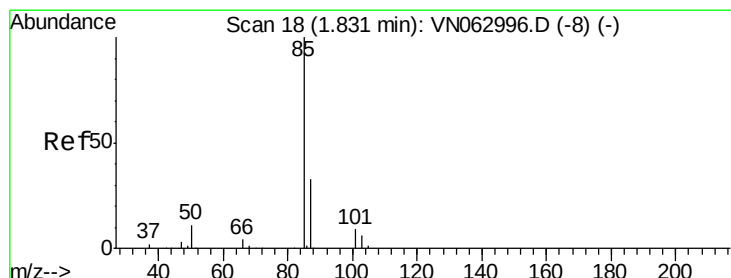
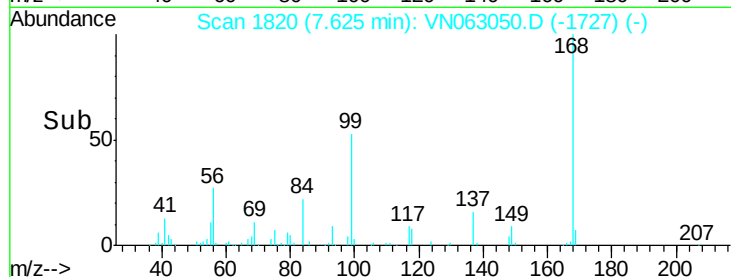
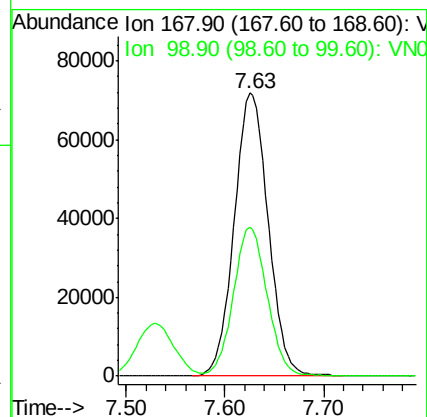
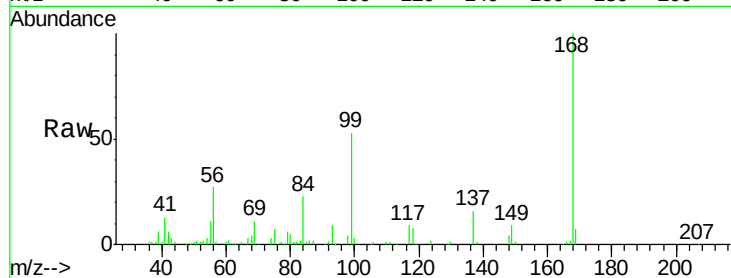
99 52.5 42.0 63.0

Manual Integrations

APPROVED

MMDadoda

8/21/2020 9:20:38 AM



#2

Dichlorodifluoromethane

Concen: 20.937 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN063050.D

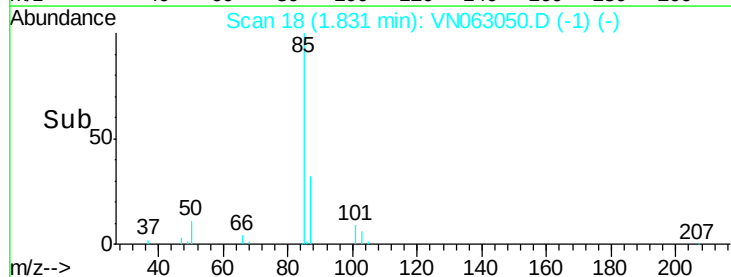
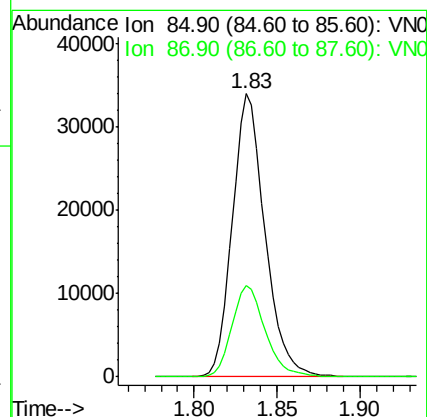
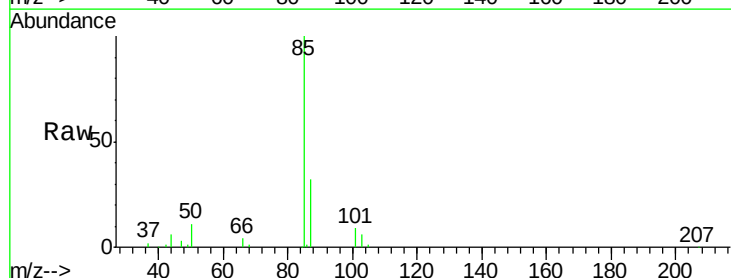
Acq: 20 Aug 2020 22:02

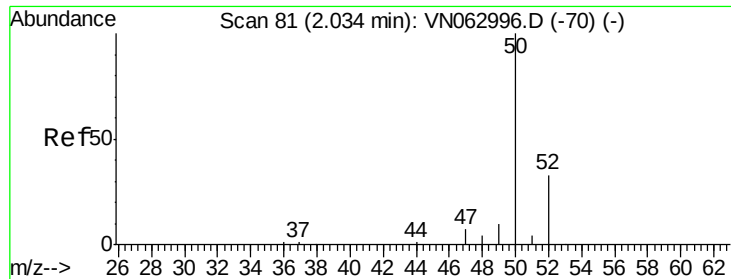
Tgt Ion: 85 Resp: 46564

Ion Ratio Lower Upper

85 100

87 32.3 16.4 49.4





#3

Chloromethane

Concen: 21.690 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN063050.D

Acq: 20 Aug 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBS02

Tot Ion: 50 Resp: 51018

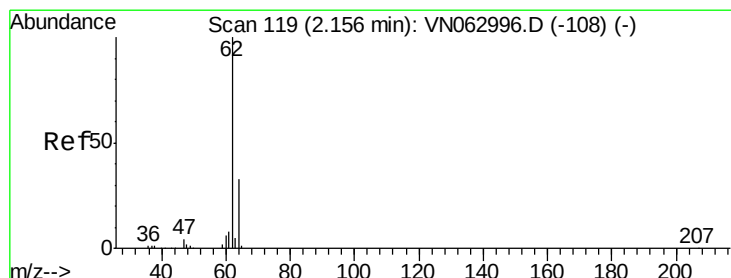
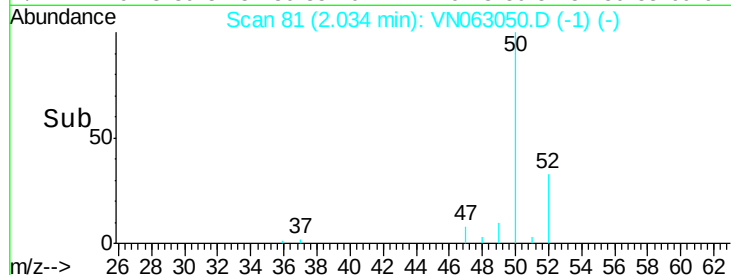
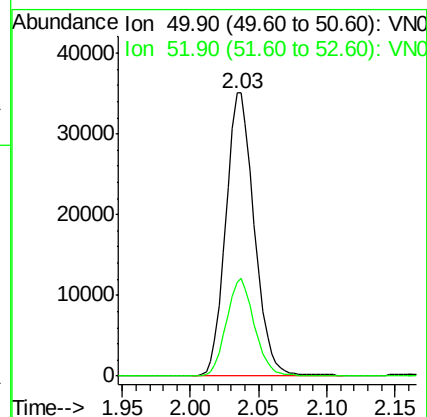
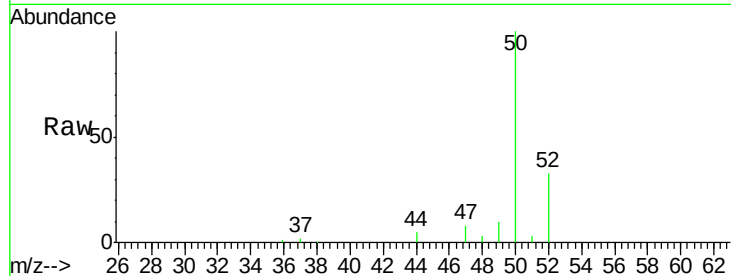
Ion Ratio Lower Upper

50 100

52 33.2 26.0 39.0

Manual Integrations
APPROVED

MMDadoda
8/21/2020 9:20:38 AM



#4

Vinyl Chloride

Concen: 22.650 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN063050.D

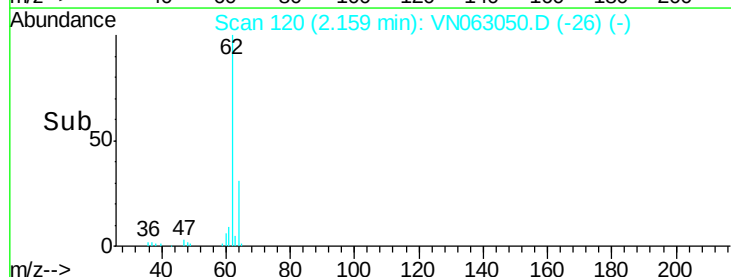
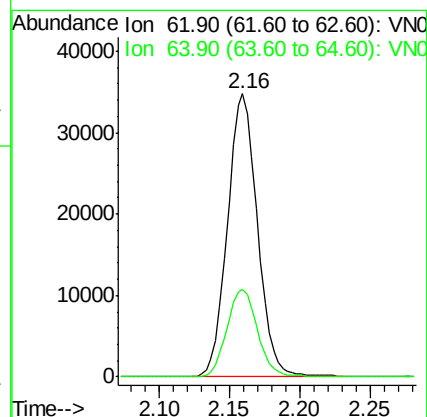
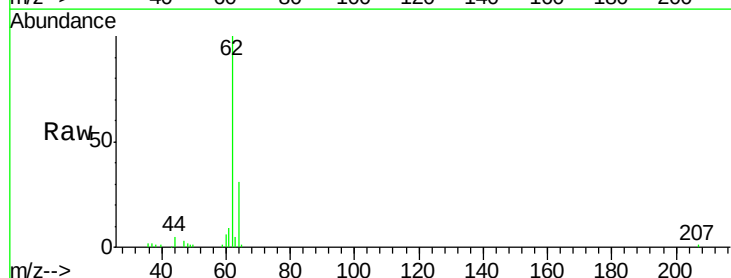
Acq: 20 Aug 2020 22:02

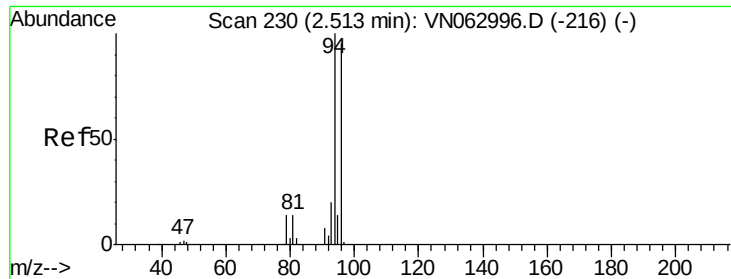
Tgt Ion: 62 Resp: 51523

Ion Ratio Lower Upper

62 100

64 30.8 26.2 39.2





#5

Bromomethane

Concen: 22.630 ug/l

RT: 2.52 min Scan# 233

Delta R.T. 0.01 min

Lab File: VN063050.D

Acq: 20 Aug 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBS02

Tot Ion: 94 Resp: 30555

Ion Ratio Lower Upper

94 100

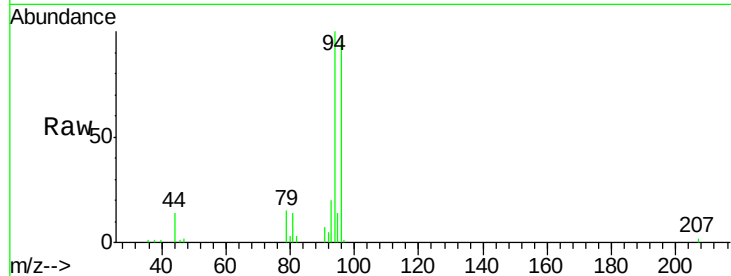
96 95.6 75.8 113.8

Manual Integrations

APPROVED

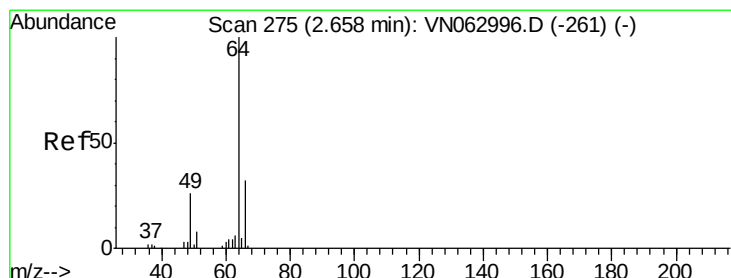
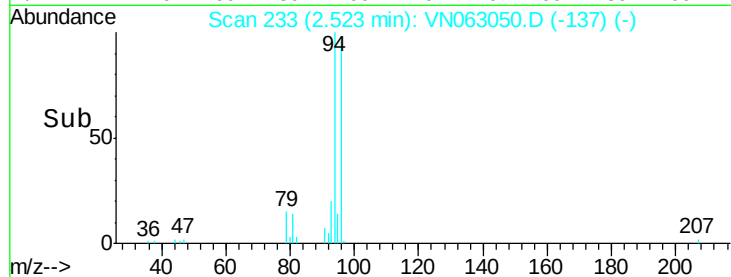
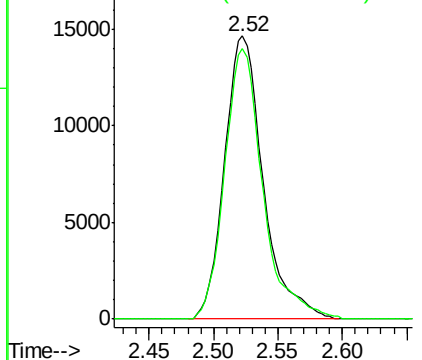
MMDadoda

8/21/2020 9:20:38 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 21.975 ug/l

RT: 2.67 min Scan# 278

Delta R.T. 0.01 min

Lab File: VN063050.D

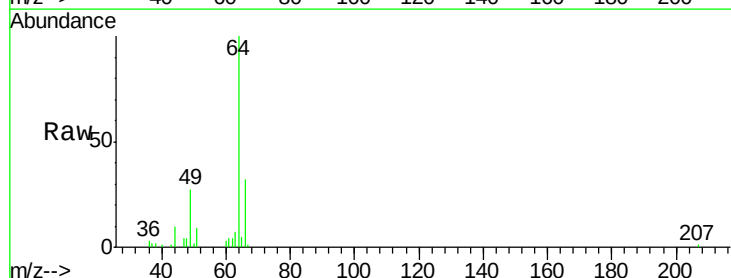
Acq: 20 Aug 2020 22:02

Tgt Ion: 64 Resp: 29514

Ion Ratio Lower Upper

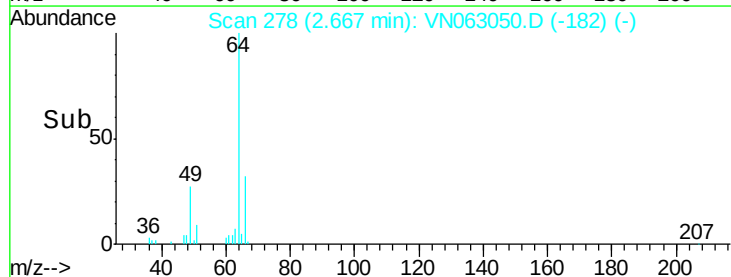
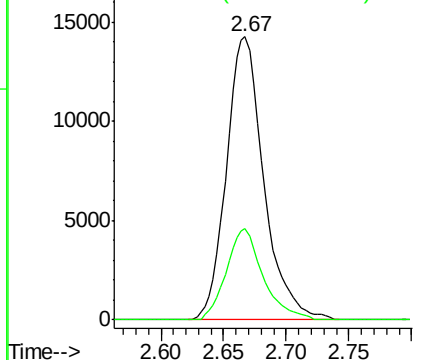
64 100

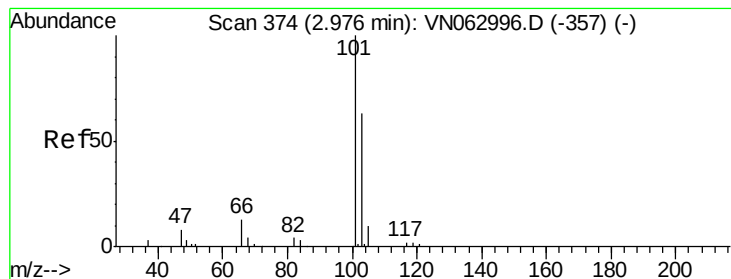
66 32.1 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

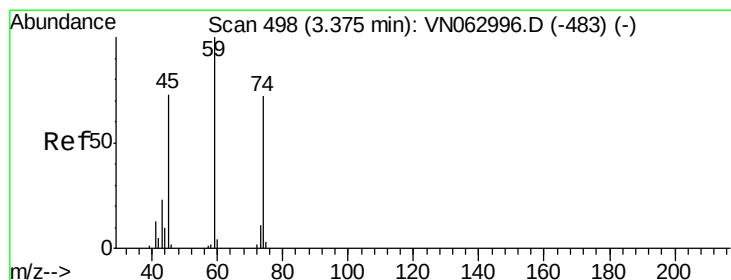
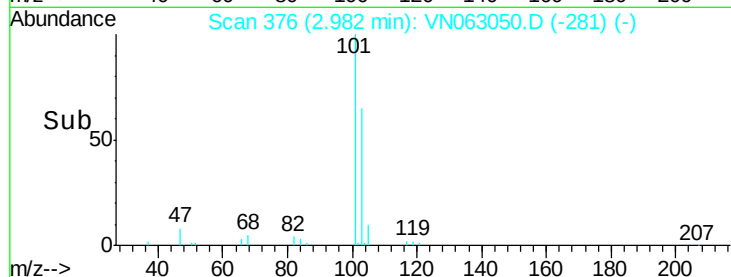
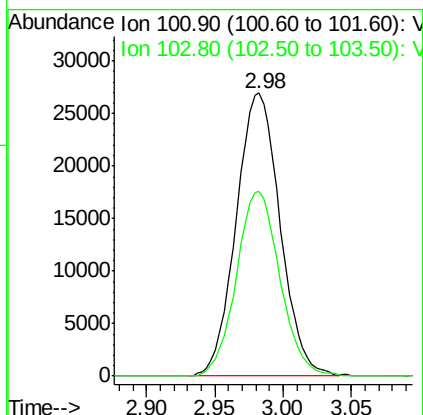
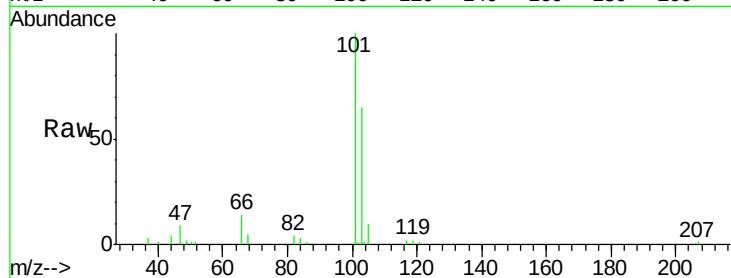
Trichlorofluoromethane
 Concen: 21.238 ug/l
 RT: 2.98 min Scan# 376
 Delta R.T. 0.01 min
 Lab File: VN063050.D
 Acq: 20 Aug 2020 22:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		60249		
103	65.4	50.5	75.7		

Manual Integrations
 APPROVED

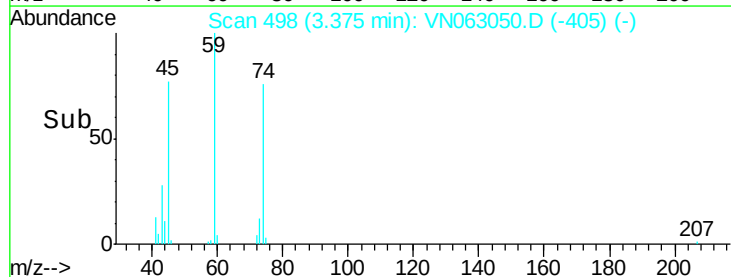
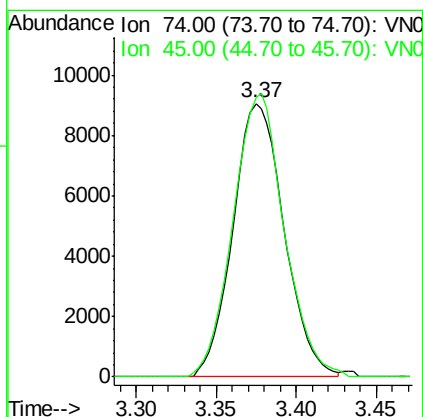
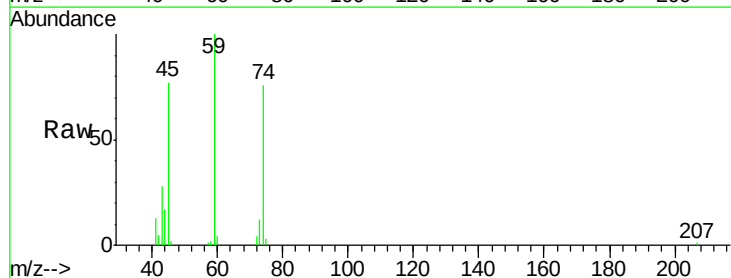
MMDadoda
 8/21/2020 9:20:38 AM

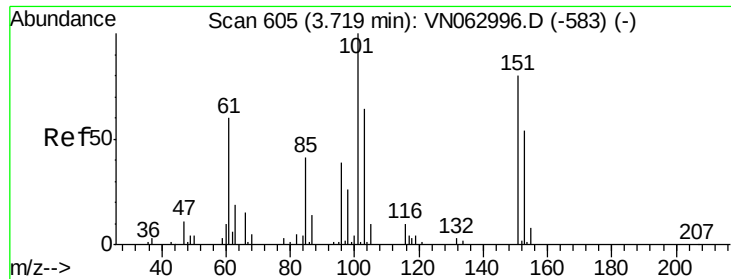


#8

Diethyl Ether
 Concen: 19.761 ug/l
 RT: 3.37 min Scan# 498
 Delta R.T. 0.00 min
 Lab File: VN063050.D
 Acq: 20 Aug 2020 22:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		19831		
45	103.6	49.9	149.7		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.225 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN063050.D

Acq: 20 Aug 2020 22:02

Instrument :

MSVOA_N

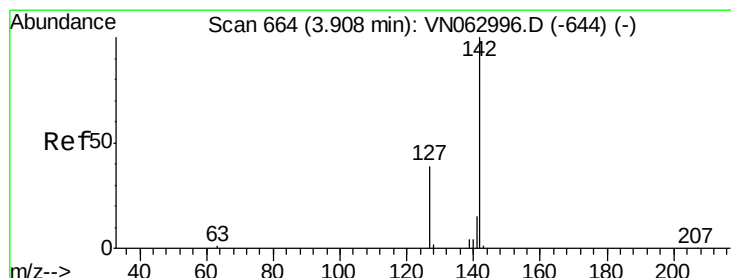
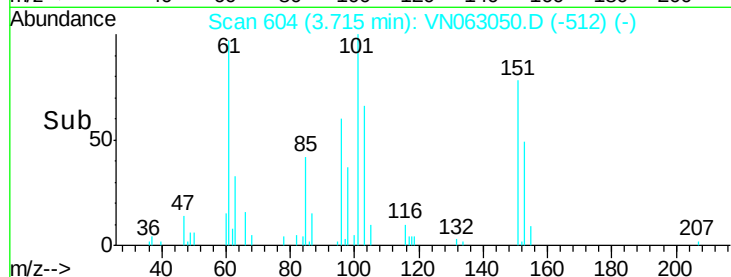
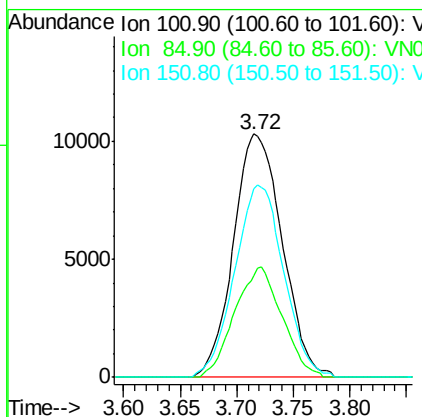
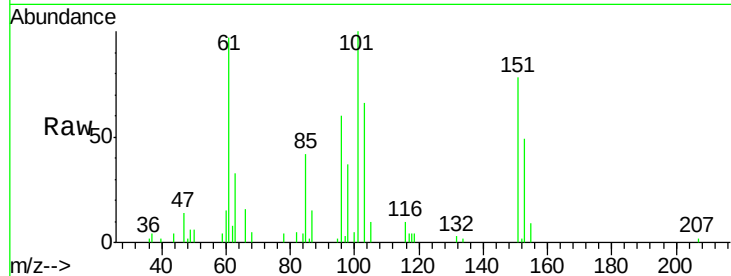
ClientSampled :

VN0820WBS02

Tot Ion:	101	Resp:	30917
Ion Ratio	Lower	Upper	
101	100		
85	43.8	34.0	51.0
151	79.3	65.8	98.8

Manual Integrations
APPROVED

MMDadoda
8/21/2020 9:20:38 AM



#10

Methyl Iodide

Concen: 19.502 ug/l

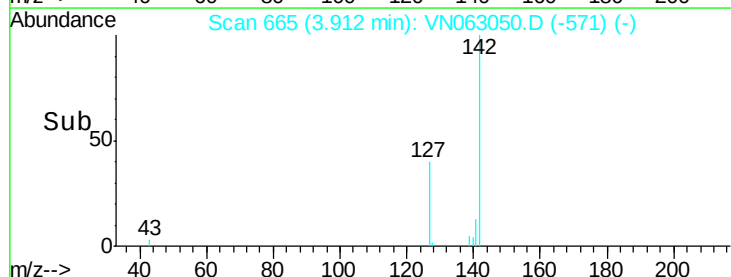
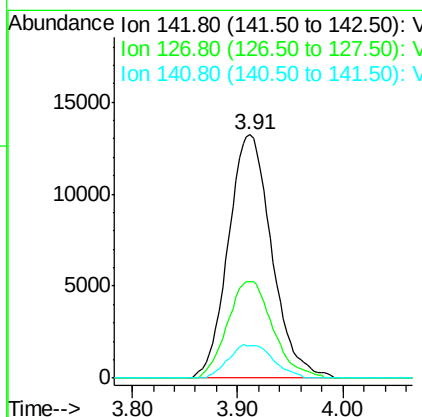
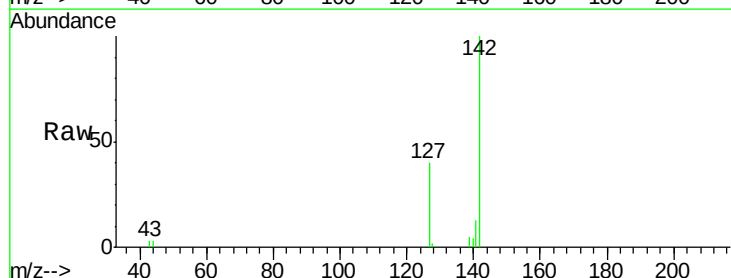
RT: 3.91 min Scan# 665

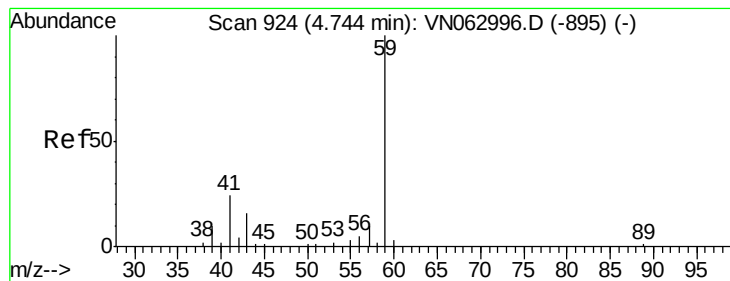
Delta R.T. 0.00 min

Lab File: VN063050.D

Acq: 20 Aug 2020 22:02

Tgt Ion:	142	Resp:	37786
Ion Ratio	Lower	Upper	
142	100		
127	41.6	32.2	48.4
141	14.2	11.3	16.9





#11

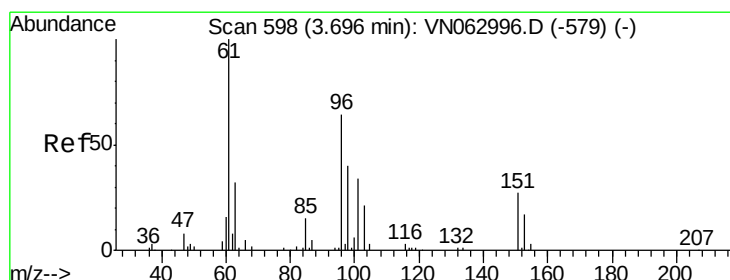
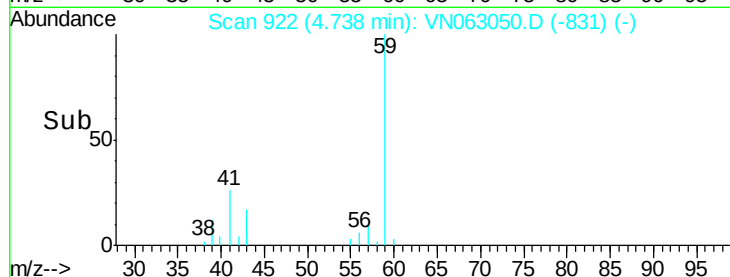
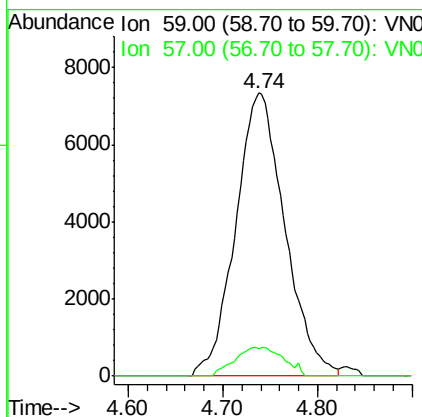
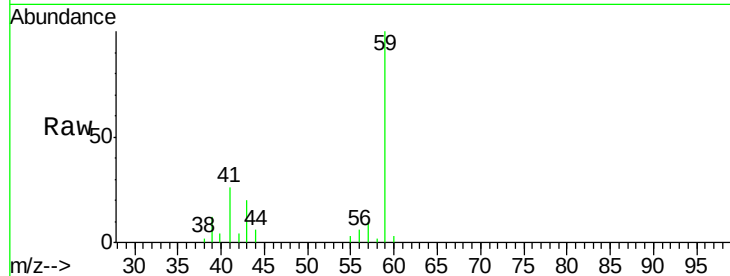
Tert butyl alcohol
 Concen: 91.960 ug/l
 RT: 4.74 min Scan# 922
 Delta R.T. -0.01 min
 Lab File: VN063050.D
 Acq: 20 Aug 2020 22:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.1	7.8	11.6#

Manual Integrations
 APPROVED

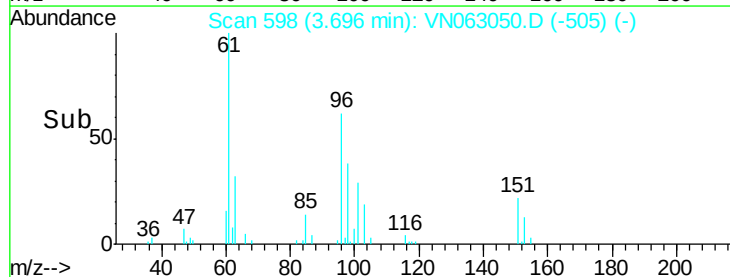
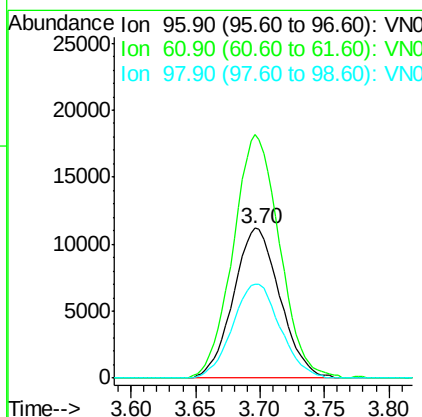
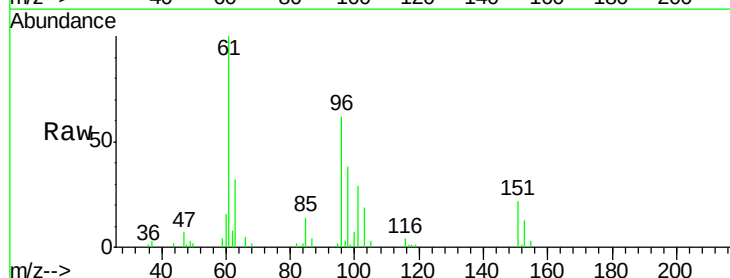
MMDadoda
 8/21/2020 9:20:38 AM

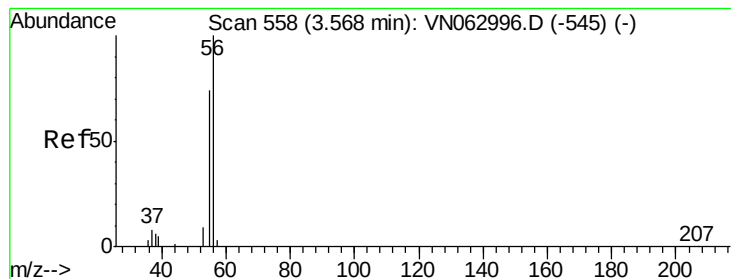


#12

1,1-Dichloroethene
 Concen: 19.282 ug/l
 RT: 3.70 min Scan# 598
 Delta R.T. 0.00 min
 Lab File: VN063050.D
 Acq: 20 Aug 2020 22:02

Tgt Ion	Ratio	Lower	Upper
96	100		
61	162.3	125.5	188.3
98	62.4	50.4	75.6





#13

Acrolein

Concen: 50.897 ug/l

RT: 3.57 min Scan# 559

Delta R.T. 0.00 min

Lab File: VN063050.D

Acq: 20 Aug 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBS02

Tot Ion: 56 Resp: 4592

Ion Ratio Lower Upper

56 100

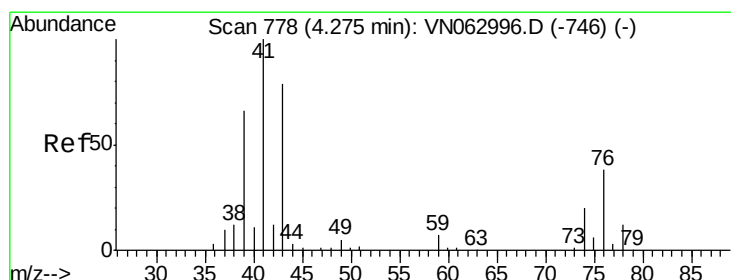
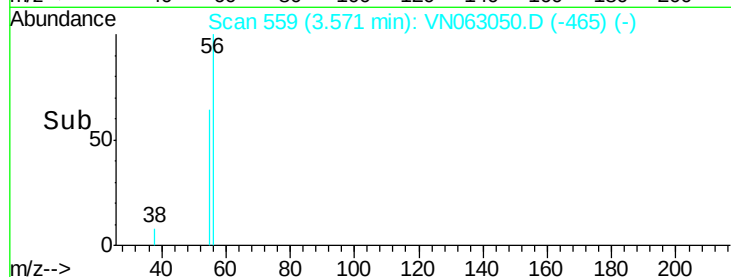
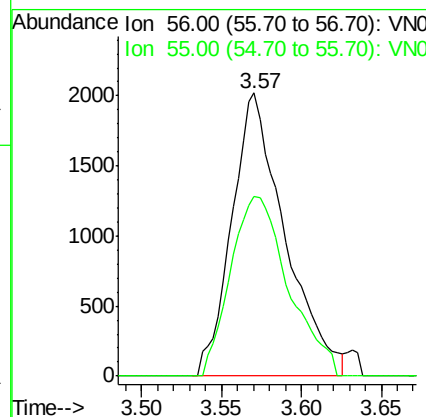
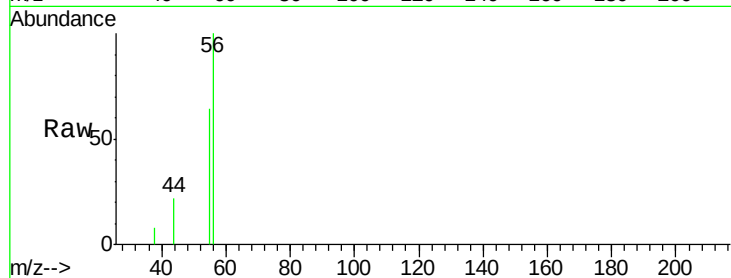
55 69.3 58.4 87.6

Manual Integrations

APPROVED

MMDadoda

8/21/2020 9:20:38 AM



#14

Allyl chloride

Concen: 19.411 ug/l

RT: 4.28 min Scan# 779

Delta R.T. 0.00 min

Lab File: VN063050.D

Acq: 20 Aug 2020 22:02

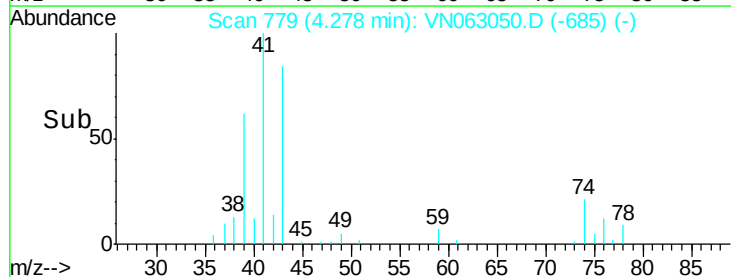
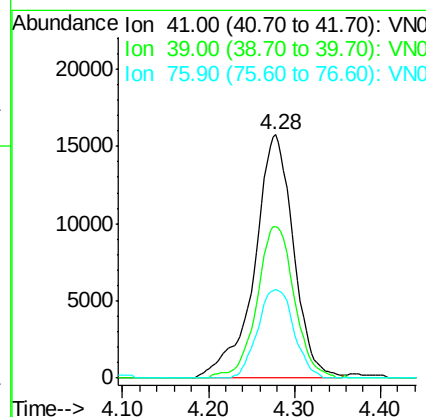
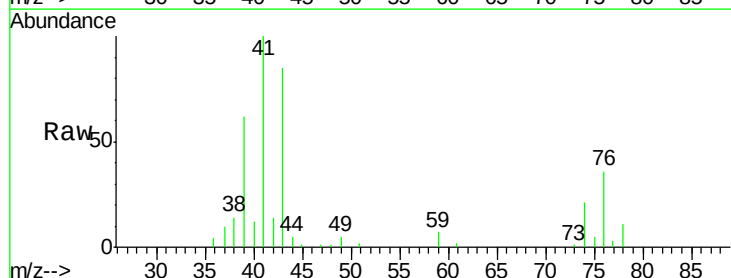
Tgt Ion: 41 Resp: 49838

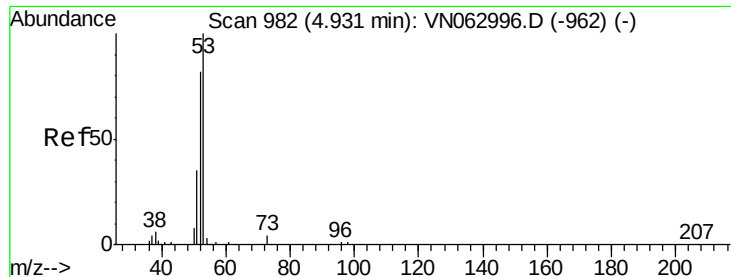
Ion Ratio Lower Upper

41 100

39 59.5 47.9 71.9

76 33.7 27.0 40.6





#15

Acrylonitrile

Concen: 104.241 ug/l

RT: 4.94 min Scan# 984

Delta R.T. 0.01 min

Lab File: VN063050.D

Acq: 20 Aug 2020 22:02

Instrument :

MSVOA_N

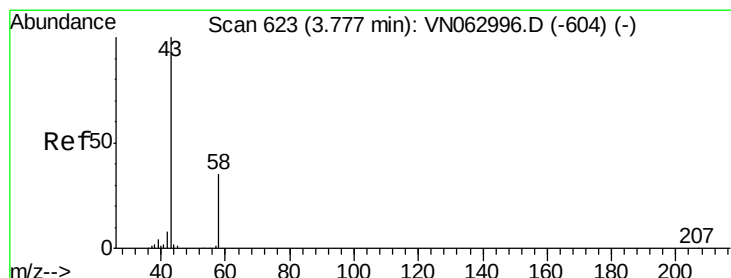
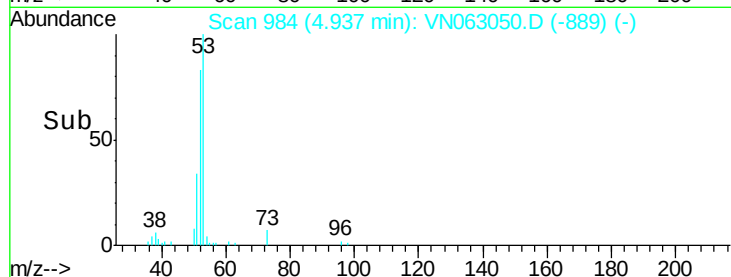
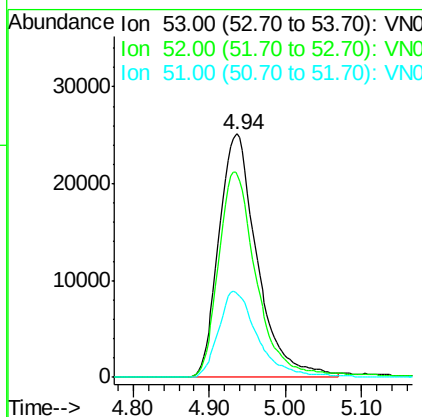
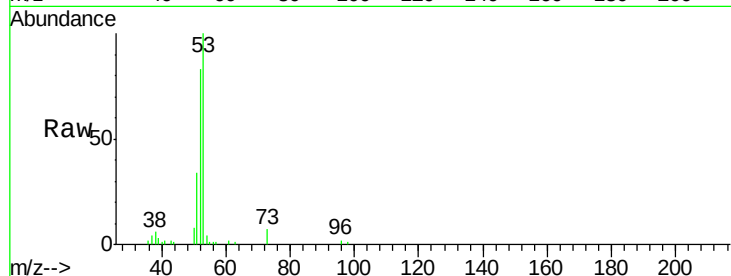
ClientSampleId :

VN0820WBS02

Tot Ion:	53	Resp:	88237
Ion Ratio	Lower	Upper	
53	100		
52	83.2	65.6	98.4
51	35.4	28.2	42.4

Manual Integrations
APPROVED

MMDadoda
8/21/2020 9:20:38 AM



#16

Acetone

Concen: 105.058 ug/l

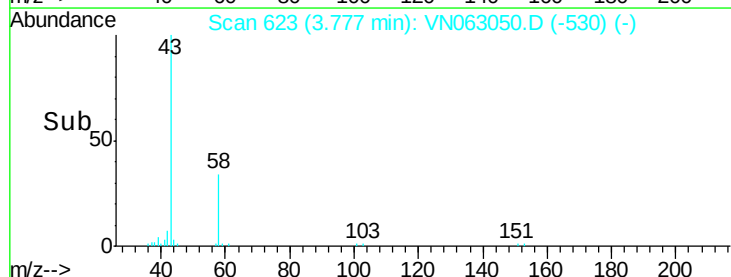
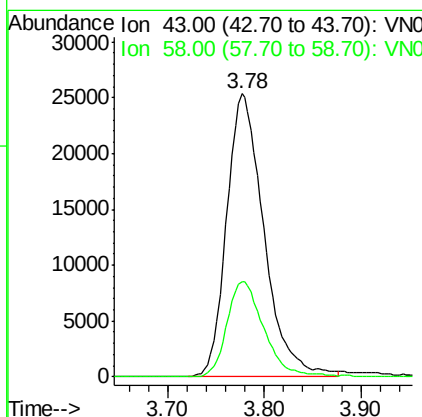
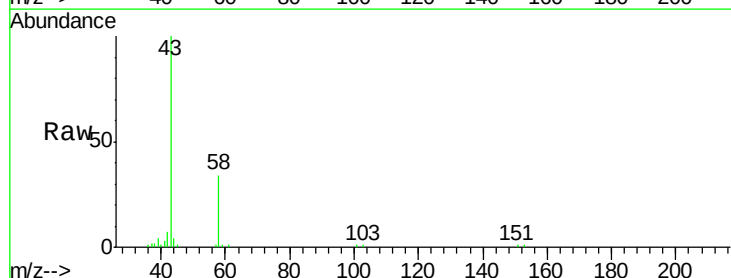
RT: 3.78 min Scan# 623

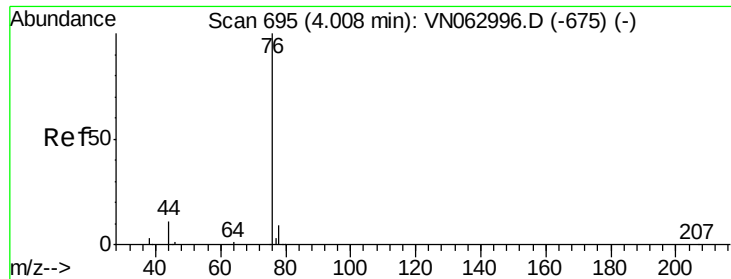
Delta R.T. 0.00 min

Lab File: VN063050.D

Acq: 20 Aug 2020 22:02

Tgt Ion:	43	Resp:	68052
Ion Ratio	Lower	Upper	
43	100		
58	33.8	27.8	41.6





#17

Carbon Disulfide

Concen: 19.931 ug/l

RT: 4.01 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN063050.D

Acq: 20 Aug 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBS02

Tot Ion: 76 Resp: 76010

Ion Ratio Lower Upper

76 100

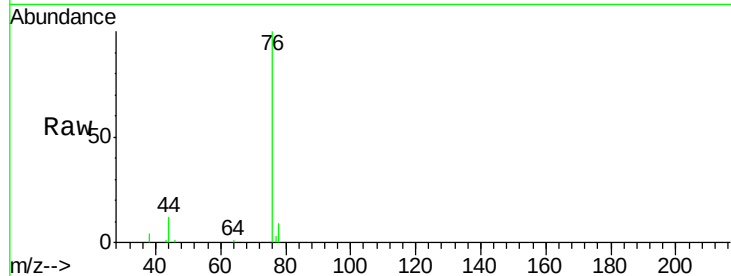
78 9.2 6.9 10.3

Manual Integrations

APPROVED

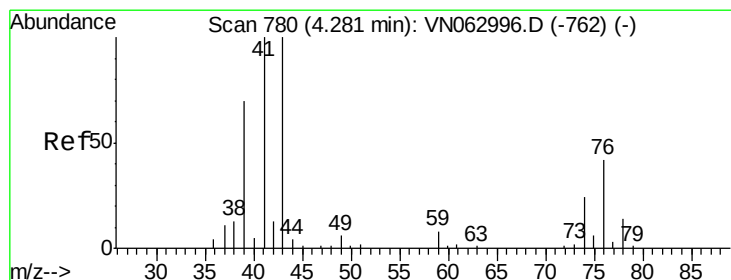
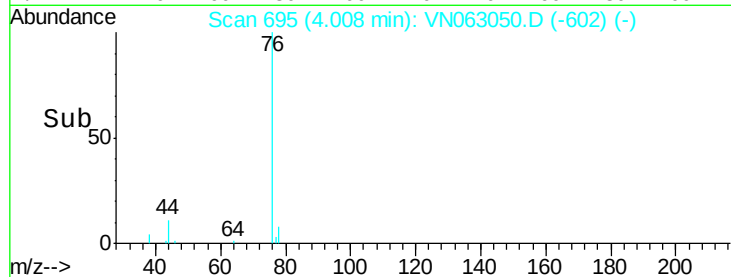
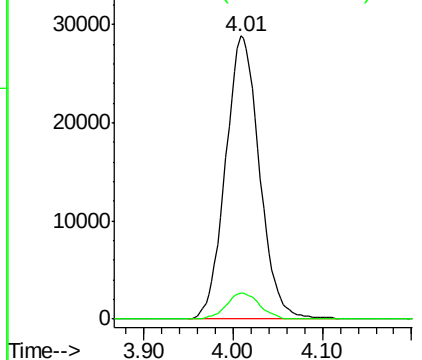
MMDadoda

8/21/2020 9:20:38 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 20.413 ug/l

RT: 4.28 min Scan# 780

Delta R.T. 0.00 min

Lab File: VN063050.D

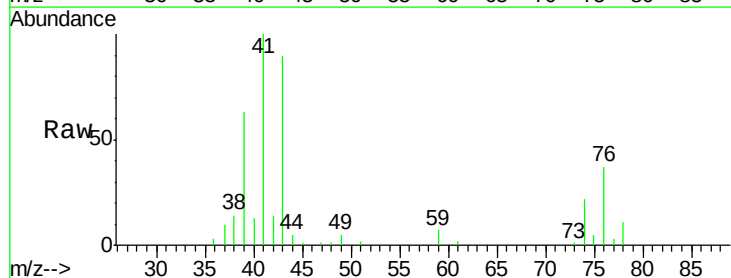
Acq: 20 Aug 2020 22:02

Tgt Ion: 43 Resp: 41245

Ion Ratio Lower Upper

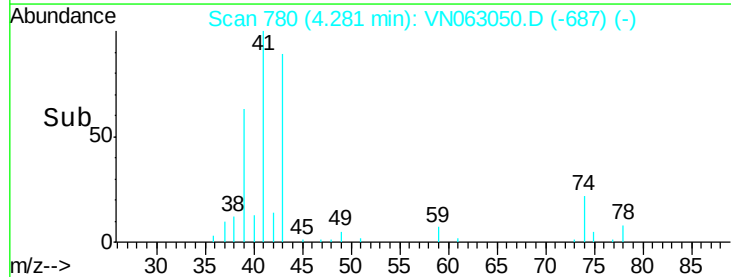
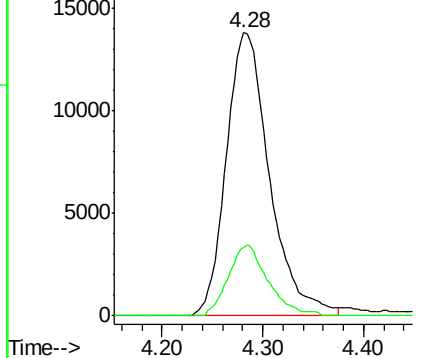
43 100

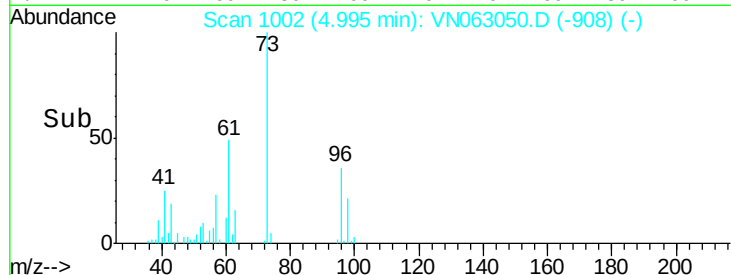
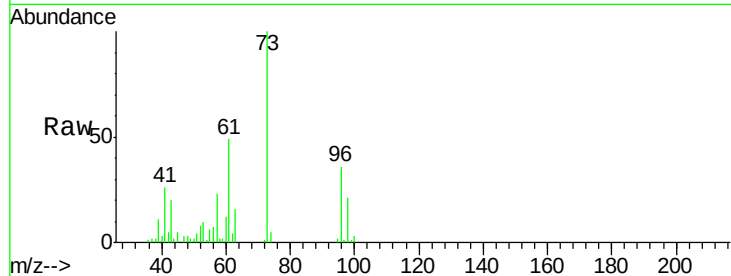
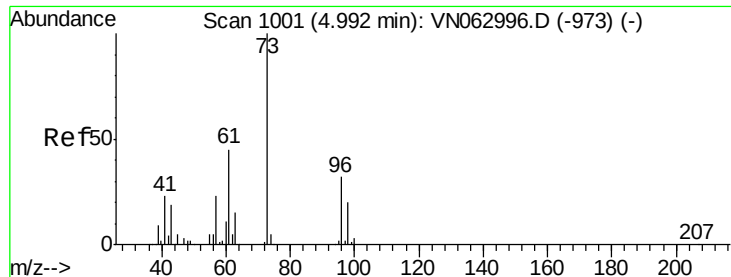
74 22.7 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





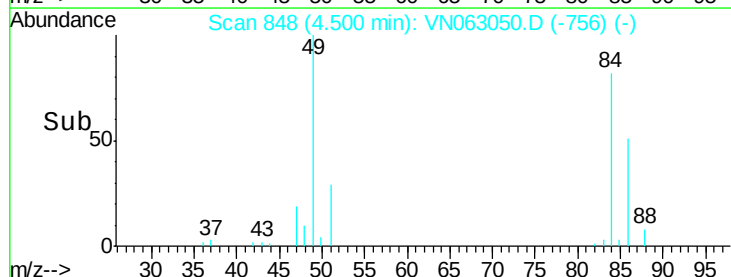
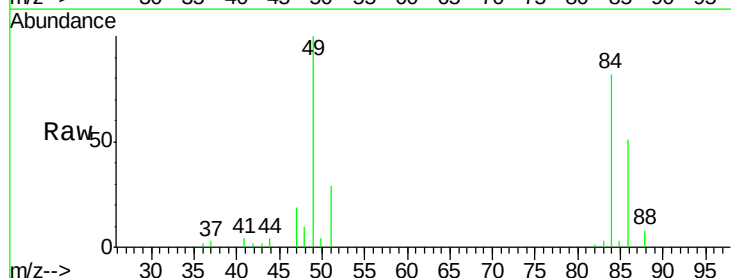
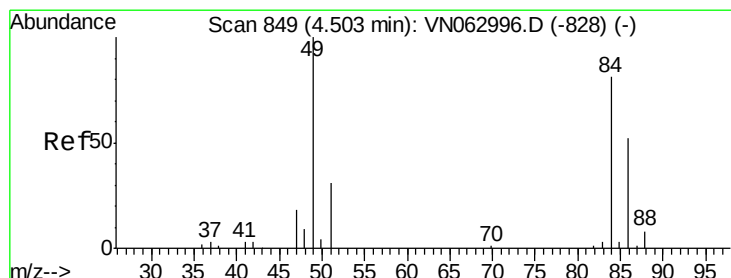
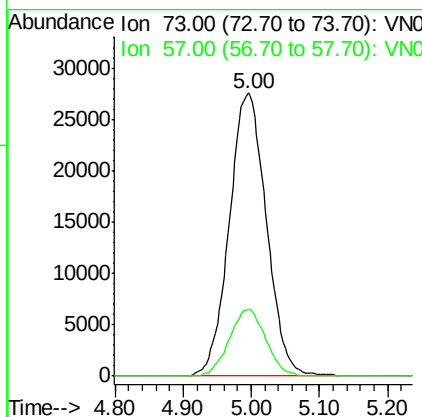
#19
Methyl tert-butyl Ether
Concen: 20.574 ug/l
RT: 5.00 min Scan# 1002
Delta R.T. 0.00 min
Lab File: VN063050.D
Acq: 20 Aug 2020 22:02

Tot Ion: 73 Resp: 104480
Ion Ratio Lower Upper
73 100
57 23.5 18.1 27.1

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBS02

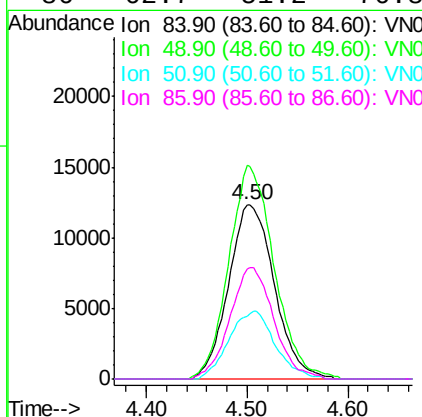
Manual Integrations
APPROVED

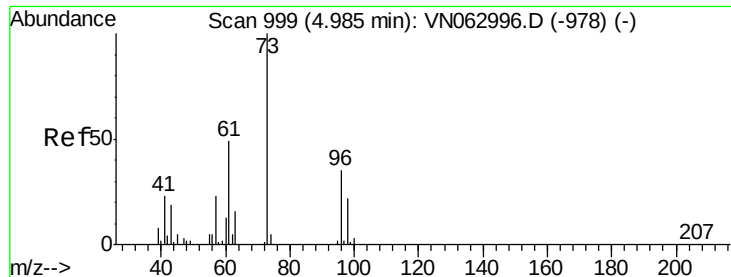
MMDadoda
8/21/2020 9:20:38 AM



#20
Methylene Chloride
Concen: 20.983 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN063050.D
Acq: 20 Aug 2020 22:02

Tgt Ion: 84 Resp: 39004
Ion Ratio Lower Upper
84 100
49 122.3 98.7 148.1
51 35.9 30.8 46.2
86 62.7 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 20.553 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN063050.D

Acq: 20 Aug 2020 22:02

Instrument :

MSVOA_N

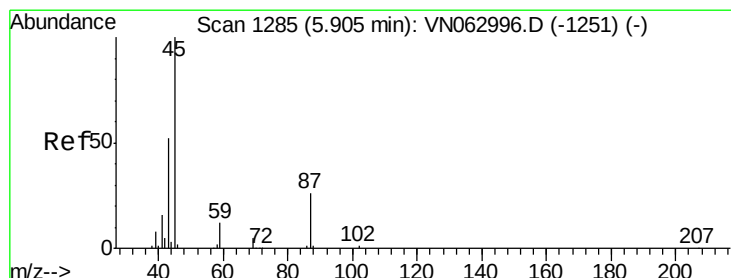
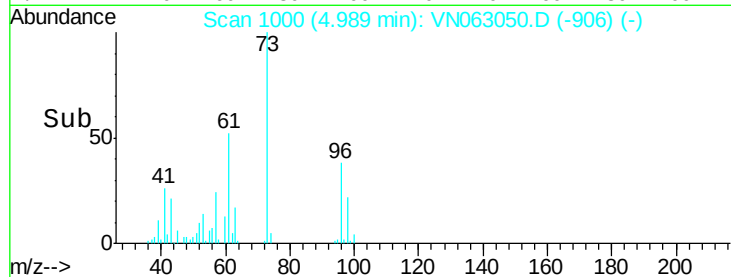
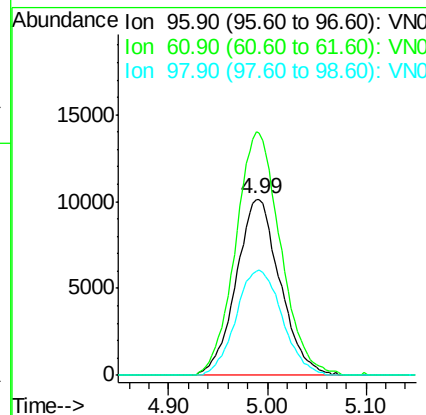
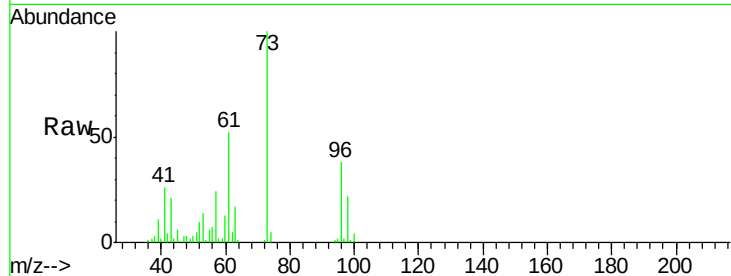
ClientSampleId :

VN0820WBS02

Tot Ion:	96	Resp:	31321
Ion	Ratio	Lower	Upper
96	100		
61	138.2	112.5	168.7
98	59.0	49.4	74.0

Manual Integrations
APPROVED

MMDadoda
8/21/2020 9:20:38 AM



#22

Diisopropyl ether

Concen: 21.722 ug/l

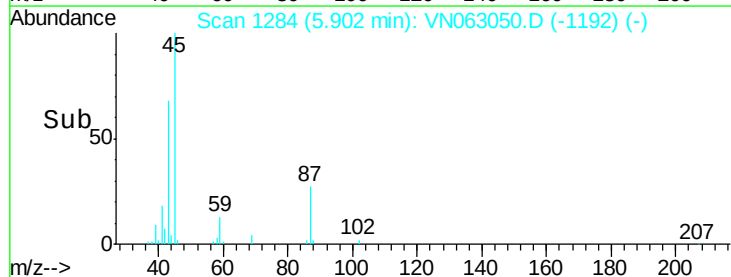
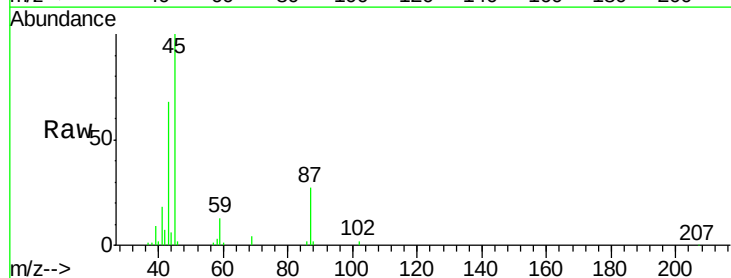
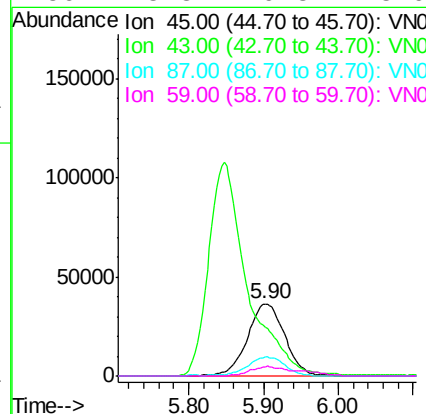
RT: 5.90 min Scan# 1284

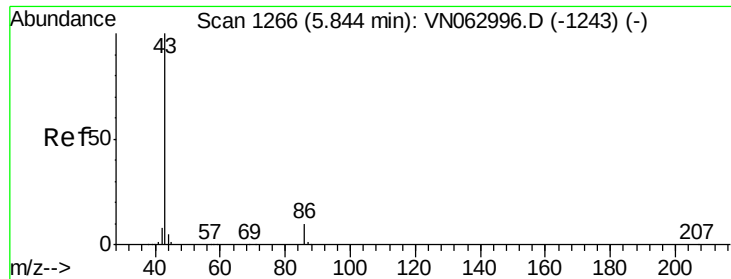
Delta R.T. -0.00 min

Lab File: VN063050.D

Acq: 20 Aug 2020 22:02

Tgt Ion:	45	Resp:	126561
Ion	Ratio	Lower	Upper
45	100		
43	65.9	45.7	68.5
87	26.6	21.8	32.6
59	13.3	9.3	13.9





#23

Vinyl Acetate

Concen: 98.743 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN063050.D

Acq: 20 Aug 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBS02

Tot Ion: 43 Resp: 388231

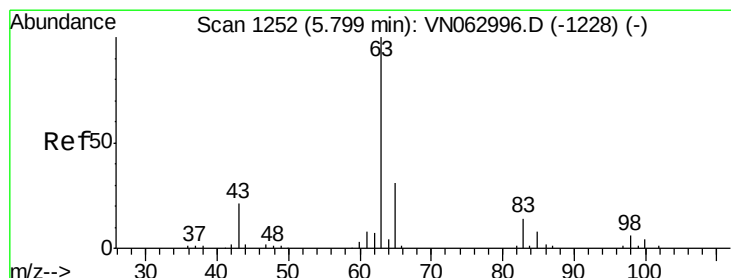
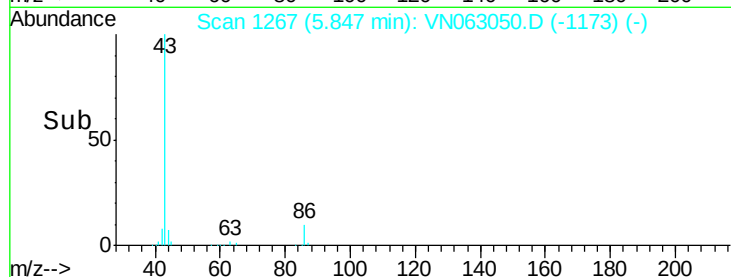
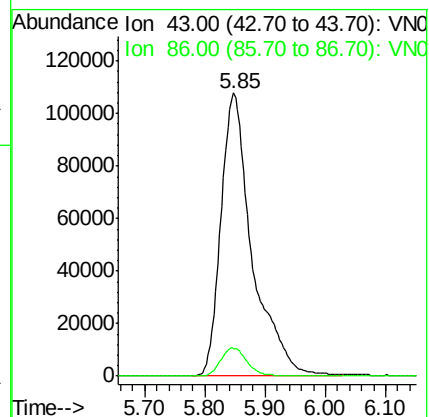
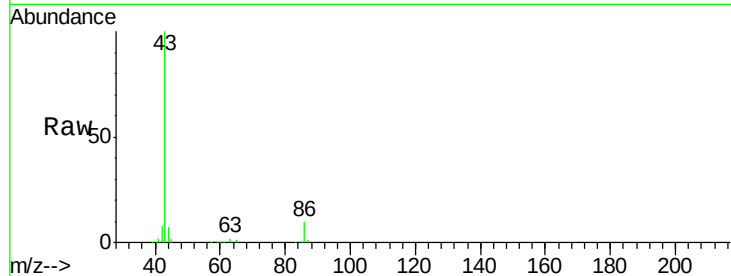
Ion Ratio Lower Upper

43 100

86 9.9 8.0 12.0

Manual Integrations
APPROVED

MMDadoda
8/21/2020 9:20:38 AM



#24

1,1-Dichloroethane

Concen: 20.656 ug/l

RT: 5.80 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VN063050.D

Acq: 20 Aug 2020 22:02

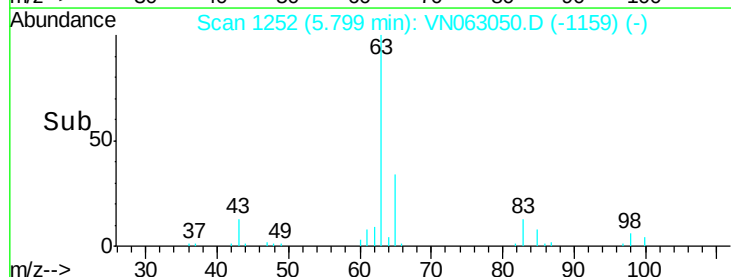
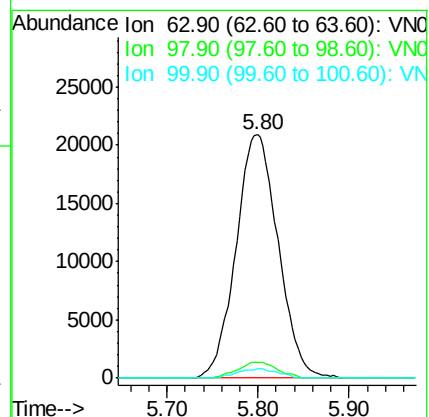
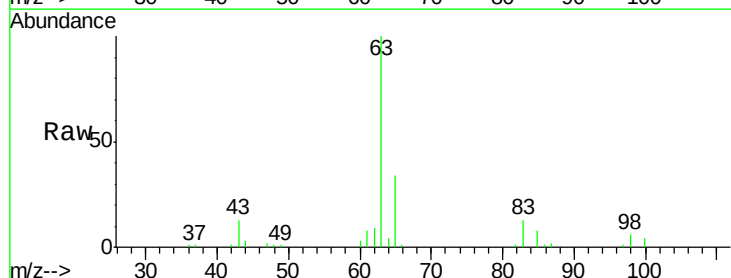
Tgt Ion: 63 Resp: 67251

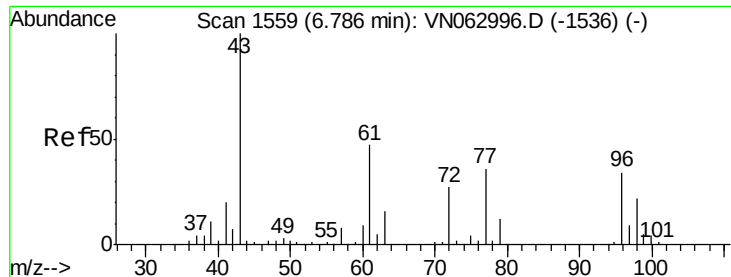
Ion Ratio Lower Upper

63 100

98 6.5 2.9 8.7

100 3.7 2.0 5.8





#25

2-Butanone

Concen: 100.959 ug/l

RT: 6.79 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VN063050.D

Acq: 20 Aug 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBS02

Tot Ion: 43 Resp: 108978

Ion Ratio Lower Upper

43 100

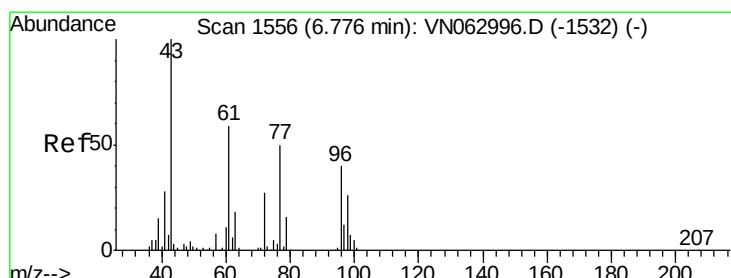
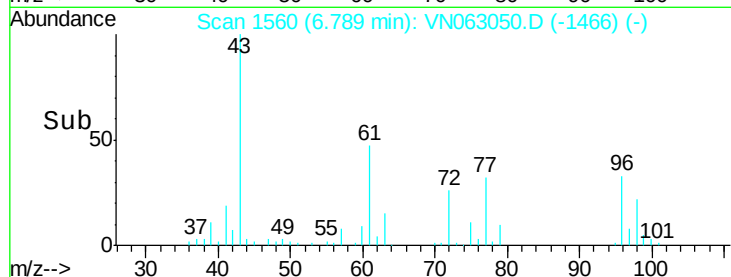
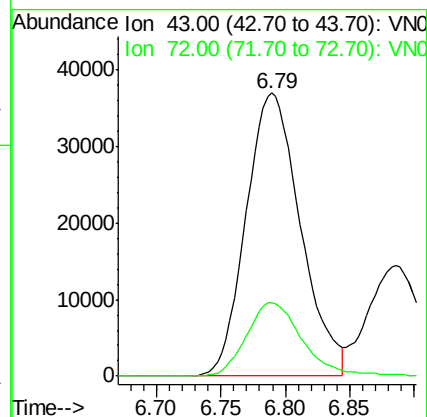
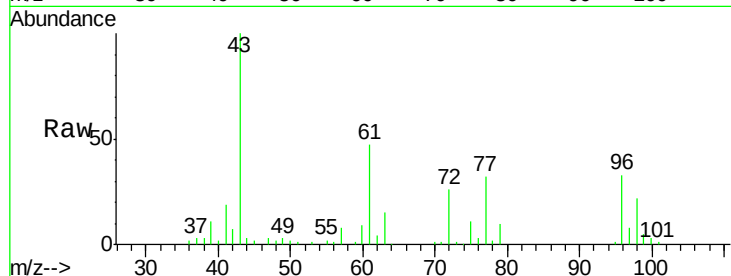
72 26.0 21.8 32.6

Manual Integrations

APPROVED

MMDadoda

8/21/2020 9:20:38 AM



#26

2,2-Dichloropropane

Concen: 17.856 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. 0.00 min

Lab File: VN063050.D

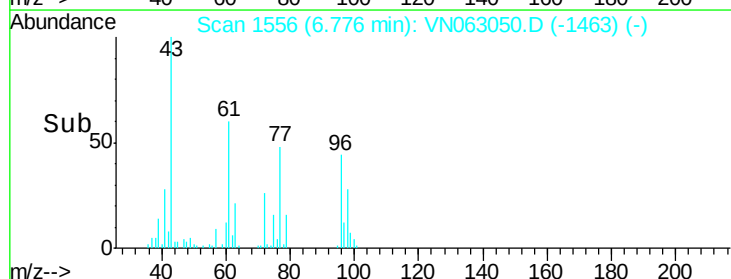
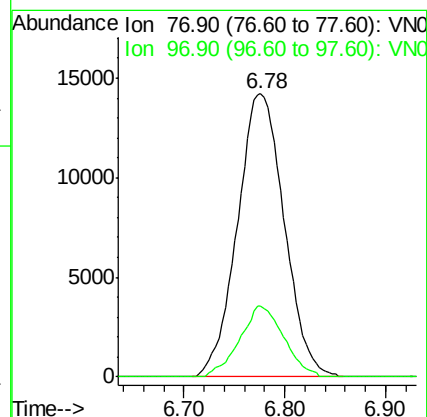
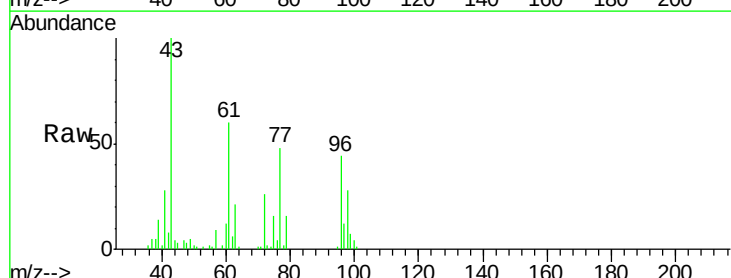
Acq: 20 Aug 2020 22:02

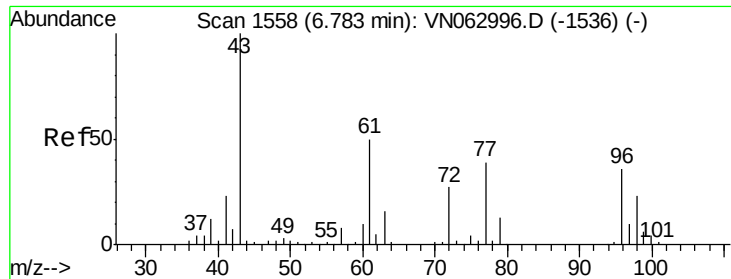
Tgt Ion: 77 Resp: 45721

Ion Ratio Lower Upper

77 100

97 23.6 11.7 35.1





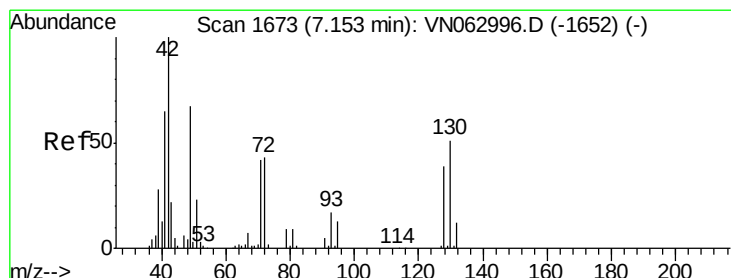
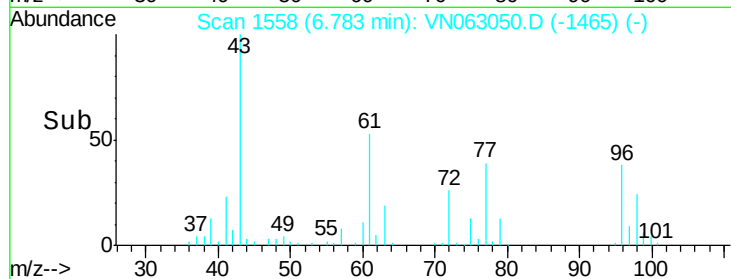
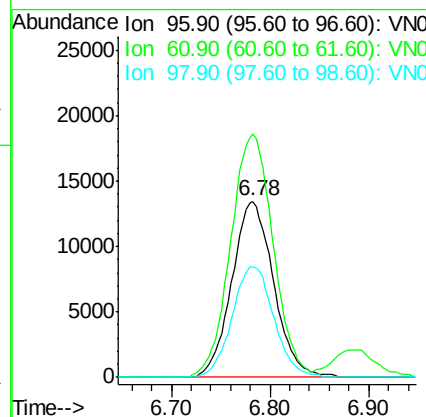
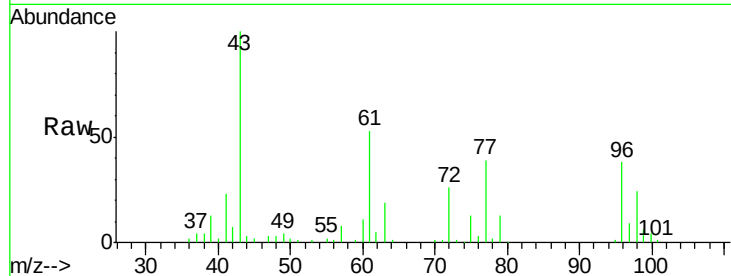
#27
 cis-1,2-Dichloroethene
 Concen: 20.754 ug/l
 RT: 6.78 min Scan# 1558
 Delta R.T. 0.00 min
 Lab File: VN063050.D
 Acq: 20 Aug 2020 22:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBS02

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	140.1	0.0	292.8	
98	62.7	0.0	130.6	

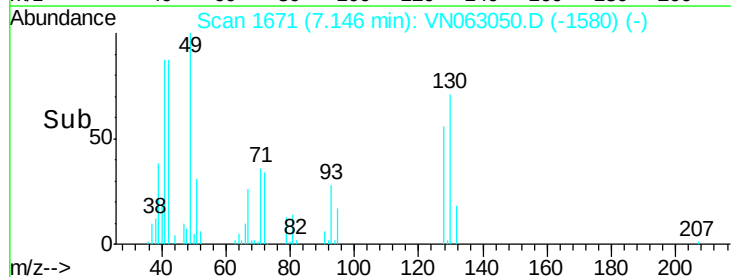
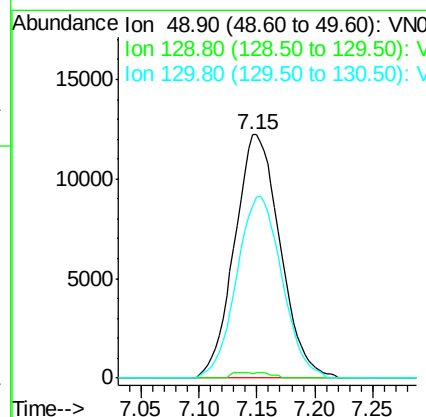
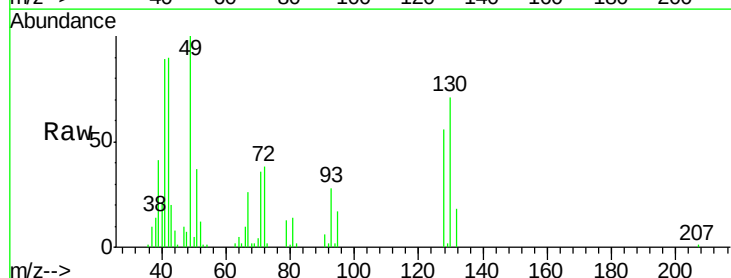
Manual Integrations
 APPROVED

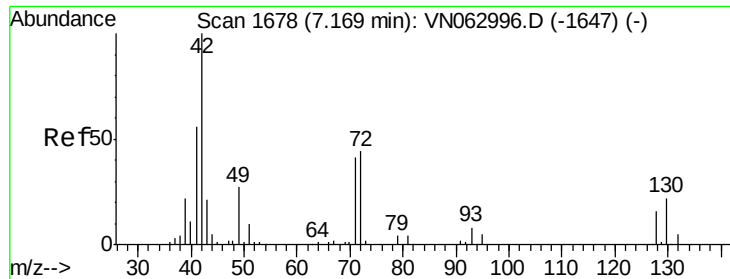
MMDadoda
 8/21/2020 9:20:38 AM



#28
 Bromochloromethane
 Concen: 19.652 ug/l
 RT: 7.15 min Scan# 1671
 Delta R.T. -0.01 min
 Lab File: VN063050.D
 Acq: 20 Aug 2020 22:02

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.1	0.0	3.6	
130	74.0	61.1	91.7	





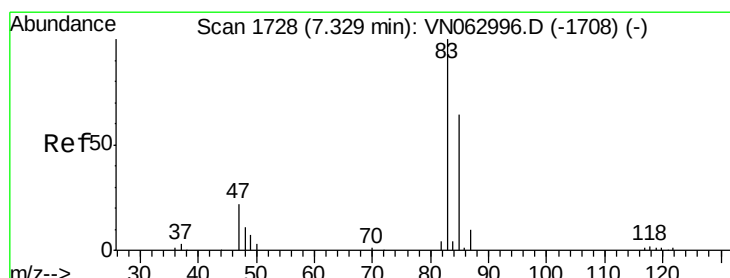
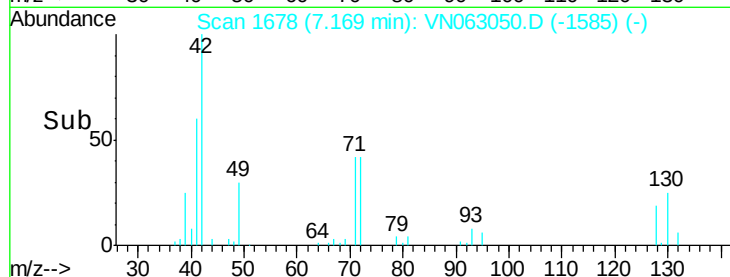
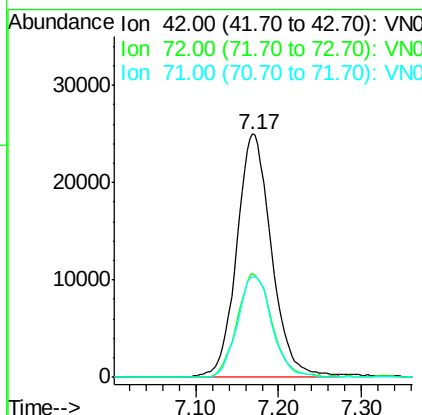
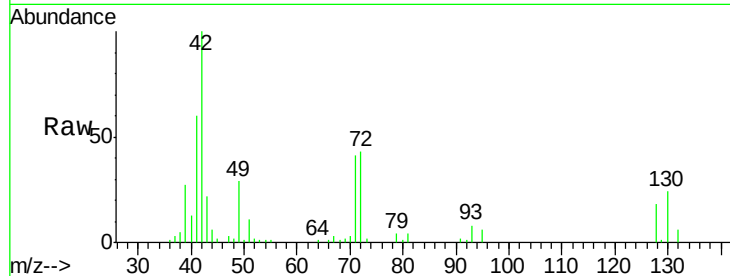
#29
Tetrahydrofuran
Concen: 105.041 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN063050.D
Acq: 20 Aug 2020 22:02

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.4	34.6	52.0
71	40.6	32.3	48.5

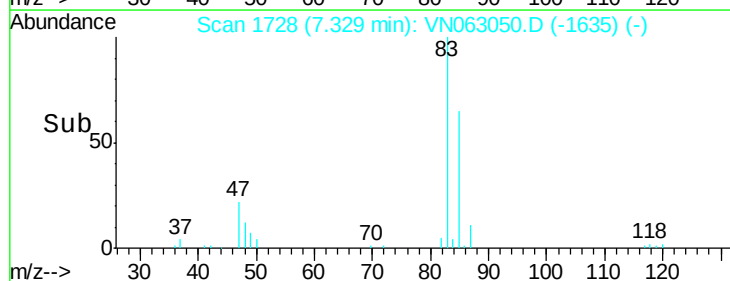
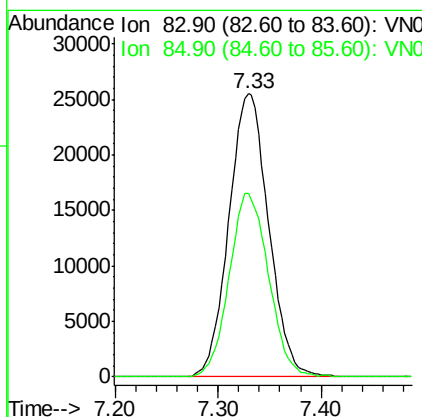
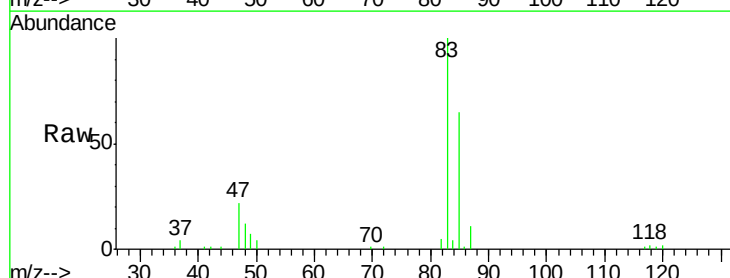
Manual Integrations
APPROVED

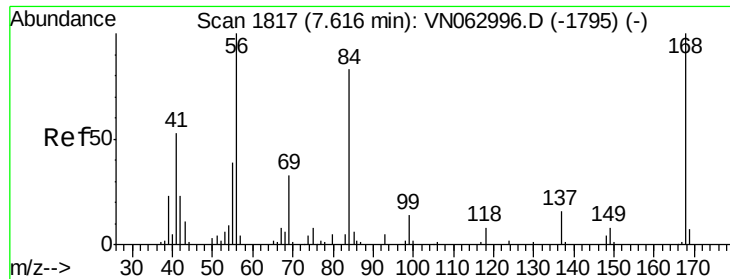
MMDadoda
8/21/2020 9:20:38 AM



#30
Chloroform
Concen: 20.854 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. 0.00 min
Lab File: VN063050.D
Acq: 20 Aug 2020 22:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.5	77.3





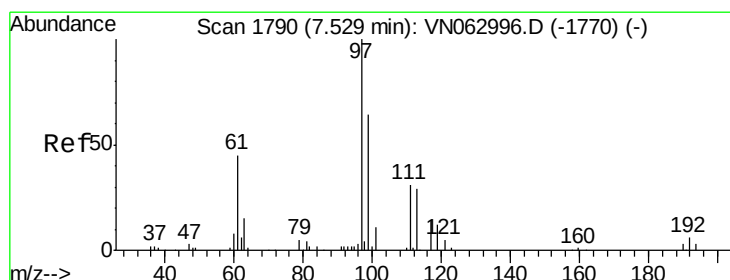
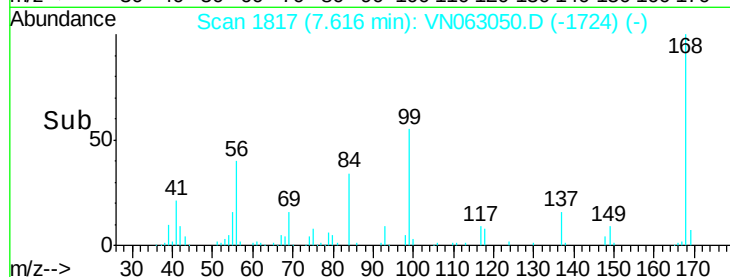
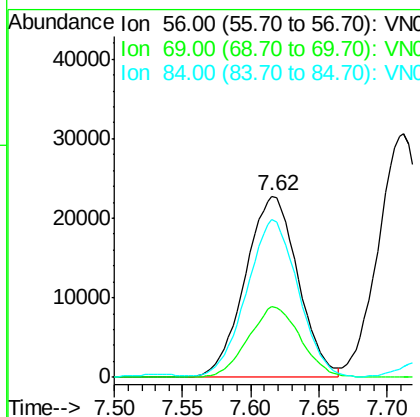
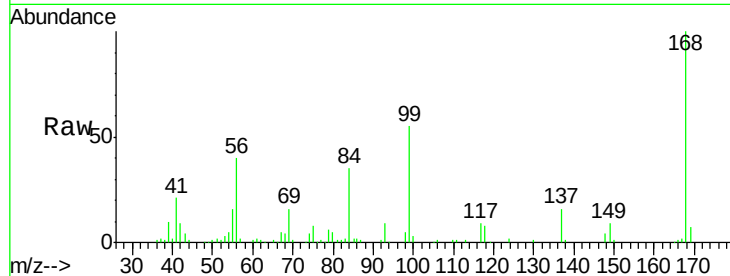
#31
Cyclohexane
Concen: 20.457 ug/l
RT: 7.62 min Scan# 1817
Delta R.T. 0.00 min
Lab File: VN063050.D
Acq: 20 Aug 2020 22:02

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBS02

Tot Ion	56	Resp	61301
Ion	Ratio	Lower	Upper
56	100		
69	39.0	26.6	40.0
84	86.8	66.4	99.6

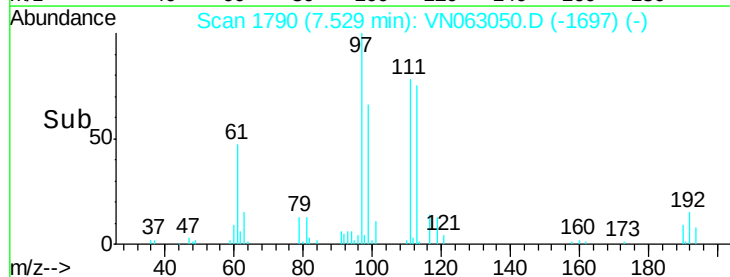
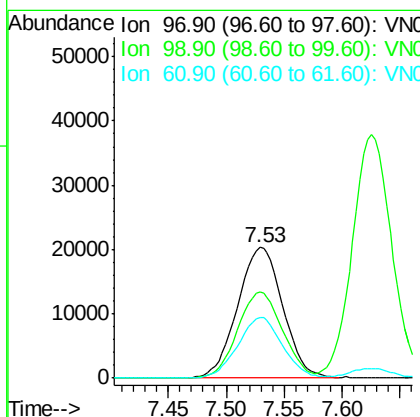
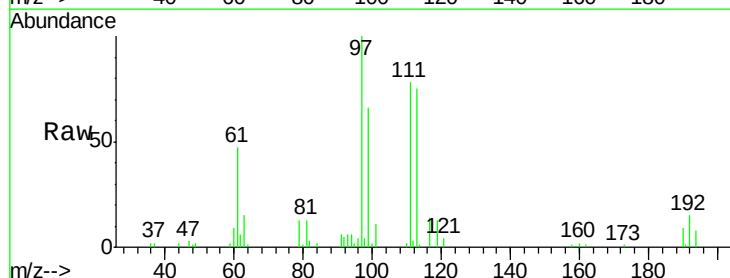
Manual Integrations
APPROVED

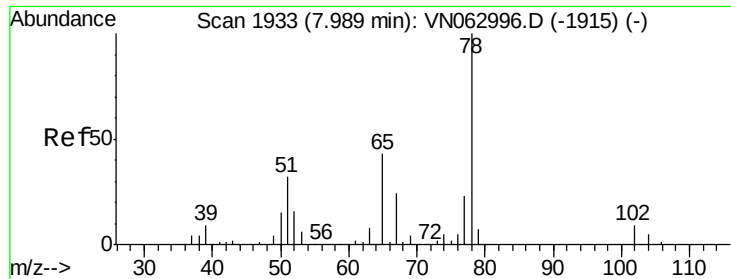
MMDadoda
8/21/2020 9:20:38 AM



#32
1,1,1-Trichloroethane
Concen: 20.567 ug/l
RT: 7.53 min Scan# 1790
Delta R.T. 0.00 min
Lab File: VN063050.D
Acq: 20 Aug 2020 22:02

Tgt Ion	97	Resp	55058
Ion	Ratio	Lower	Upper
97	100		
99	65.4	52.0	78.0
61	45.7	36.2	54.4





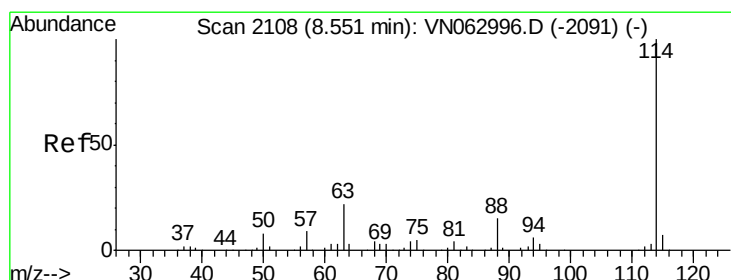
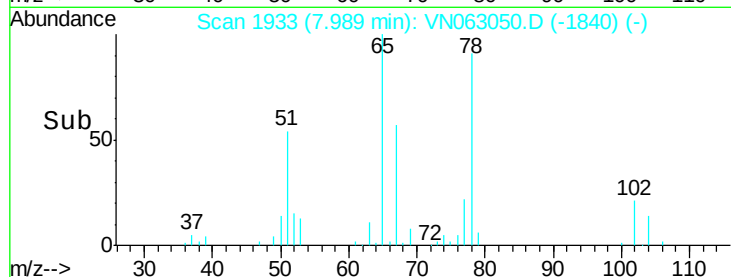
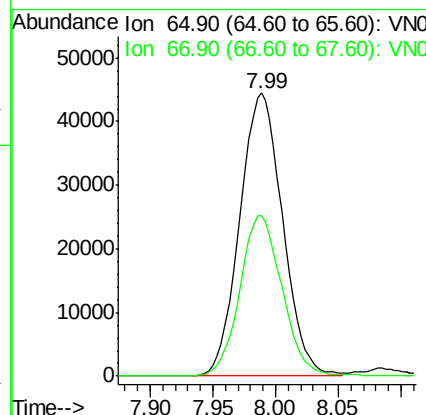
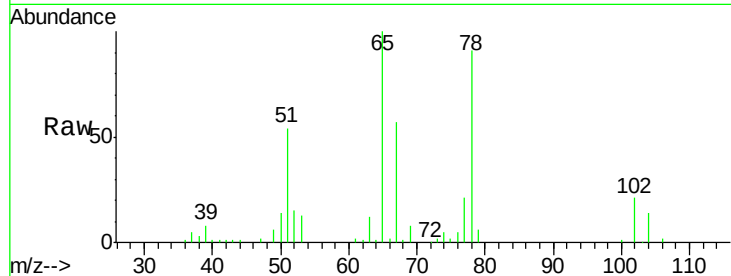
#33
 1,2-Dichloroethane-d4
 Concen: 52.020 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN063050.D
 Acq: 20 Aug 2020 22:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.6	0.0	112.0	

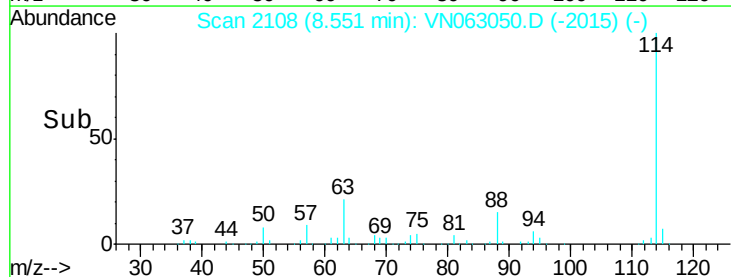
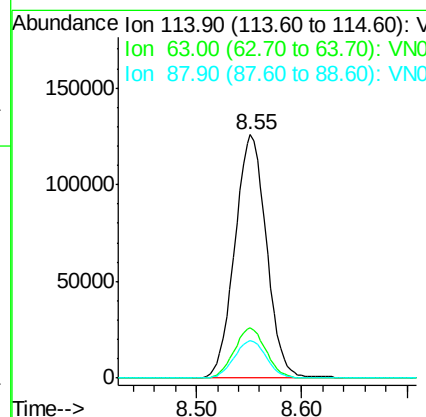
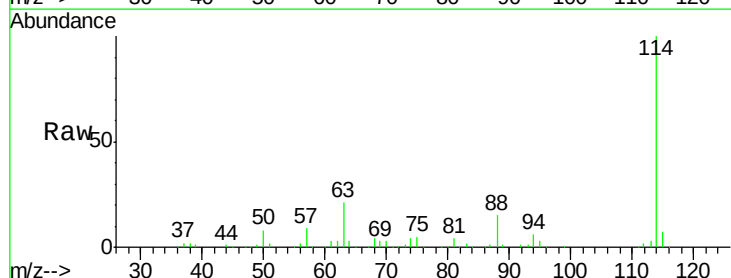
Manual Integrations
 APPROVED

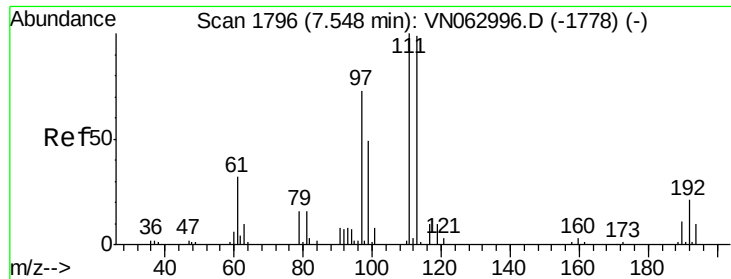
MMDadoda
 8/21/2020 9:20:38 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN063050.D
 Acq: 20 Aug 2020 22:02

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.6	0.0	43.2	
88	15.5	0.0	30.6	





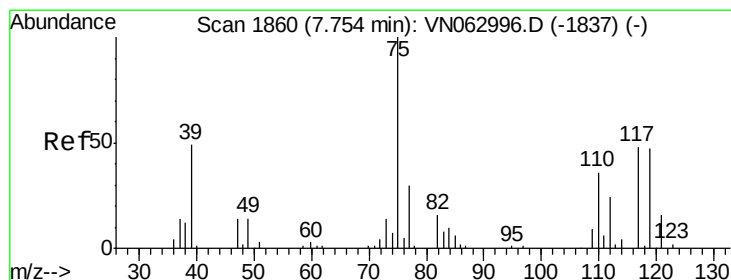
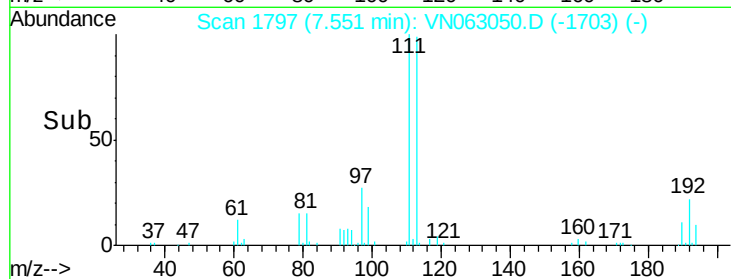
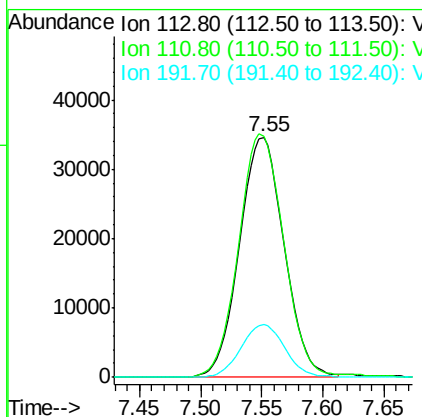
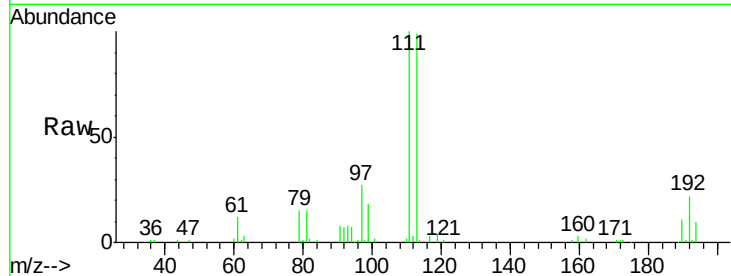
#35
 Dibromofluoromethane
 Concen: 51.324 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN063050.D
 Acq: 20 Aug 2020 22:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBS02

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.7	122.5
192	21.6	17.5	26.3

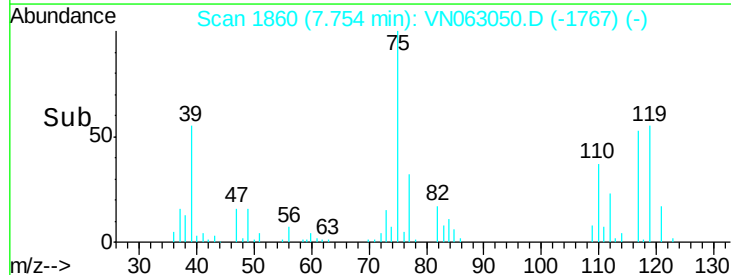
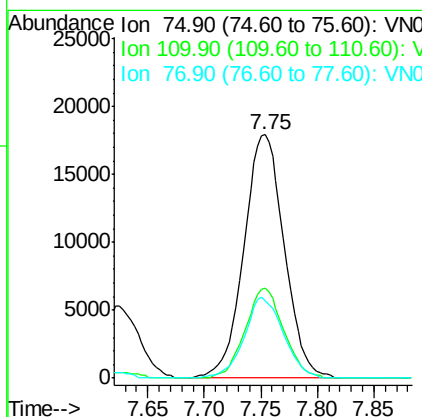
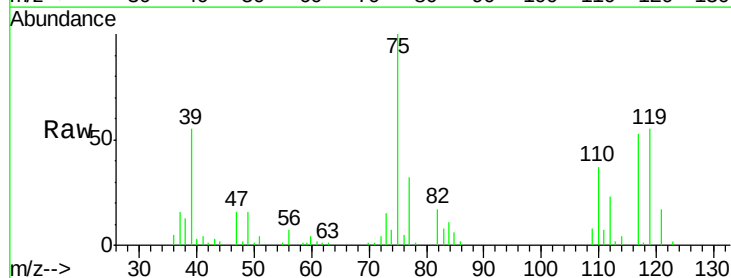
Manual Integrations
 APPROVED

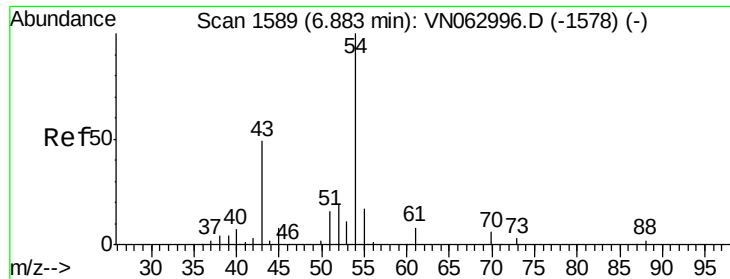
MMDadoda
 8/21/2020 9:20:38 AM



#36
 1,1-Dichloropropene
 Concen: 19.276 ug/l
 RT: 7.75 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN063050.D
 Acq: 20 Aug 2020 22:02

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.1	17.5	52.6
77	32.1	24.2	36.4





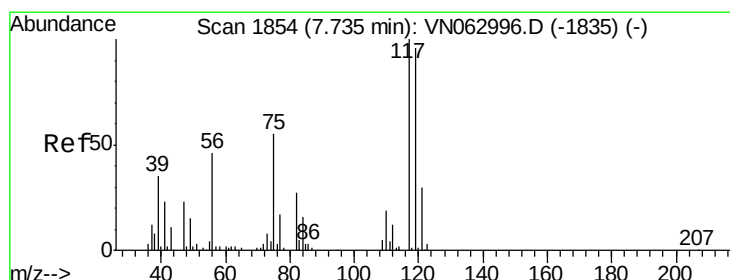
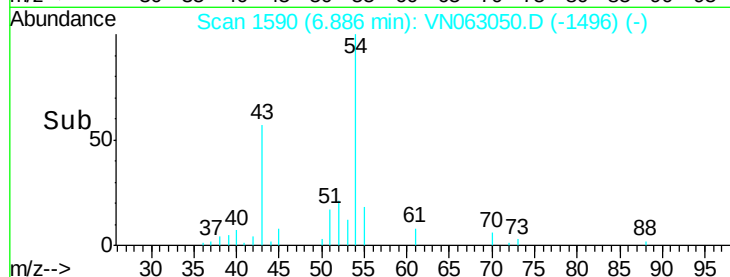
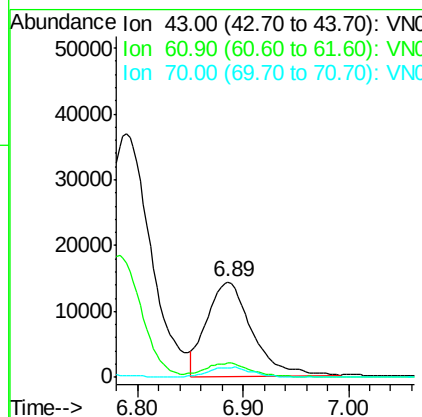
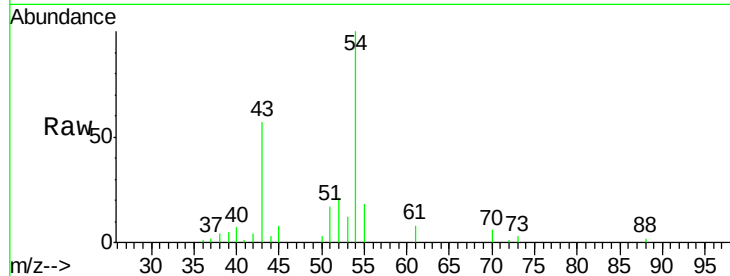
#37
Ethyl Acetate
Concen: 19.581 ug/l
RT: 6.89 min Scan# 1590
Delta R.T. 0.00 min
Lab File: VN063050.D
Acq: 20 Aug 2020 22:02

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.5	11.8	17.8
70	10.2	8.2	12.2

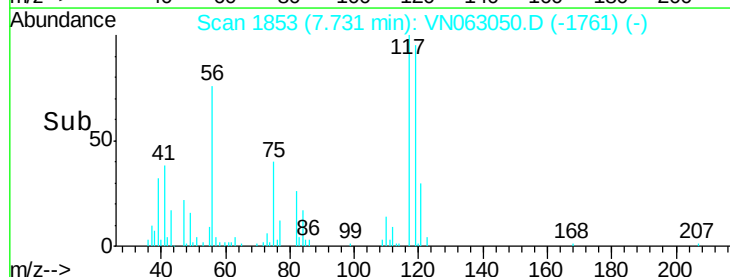
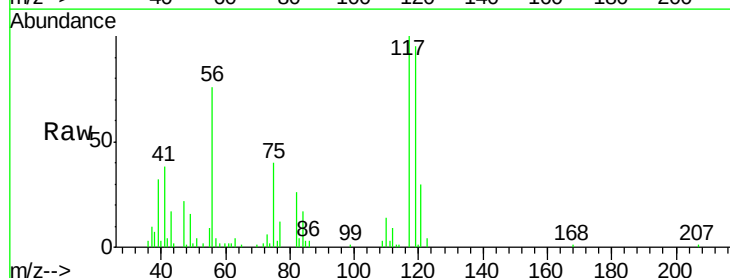
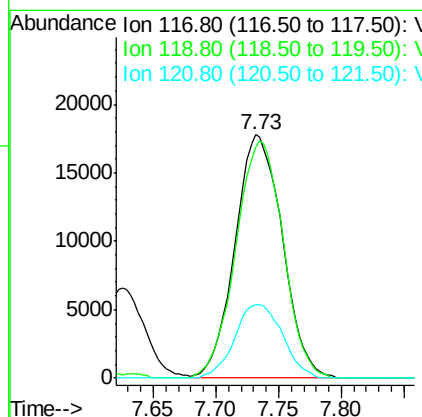
Manual Integrations
APPROVED

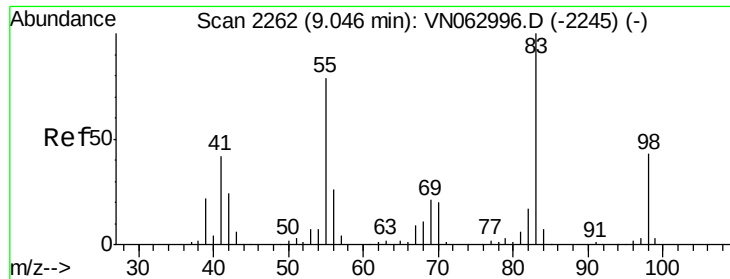
MMDadoda
8/21/2020 9:20:38 AM



#38
Carbon Tetrachloride
Concen: 20.017 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN063050.D
Acq: 20 Aug 2020 22:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	76.2	114.4
121	30.1	24.2	36.2





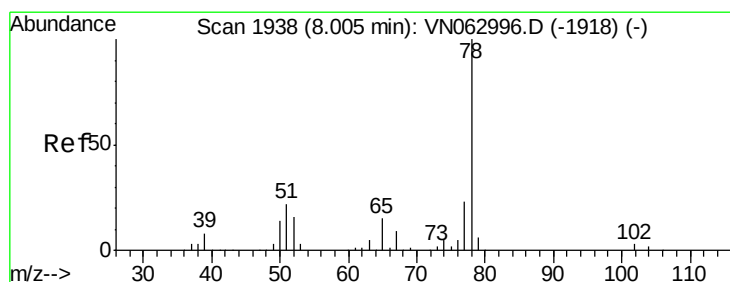
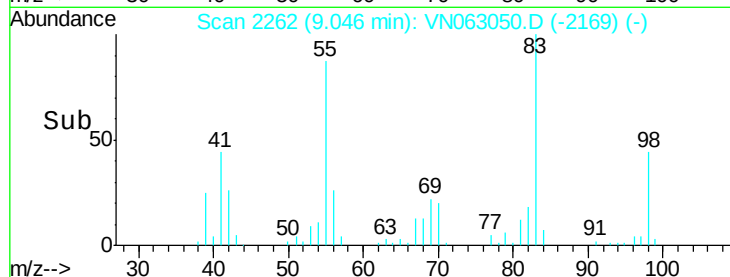
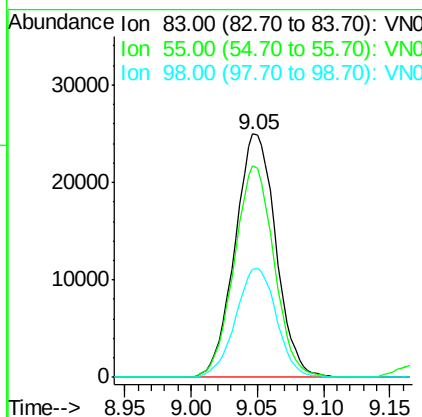
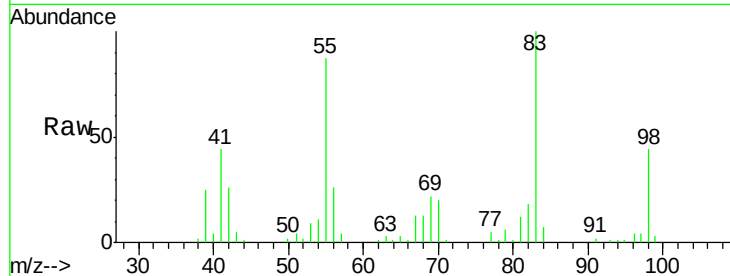
#39
Methylvlcyclohexane
Concen: 18.196 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN063050.D
Acq: 20 Aug 2020 22:02

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.1	63.3	94.9
98	44.5	34.2	51.4

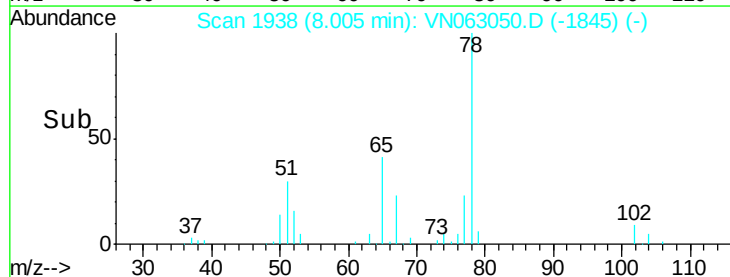
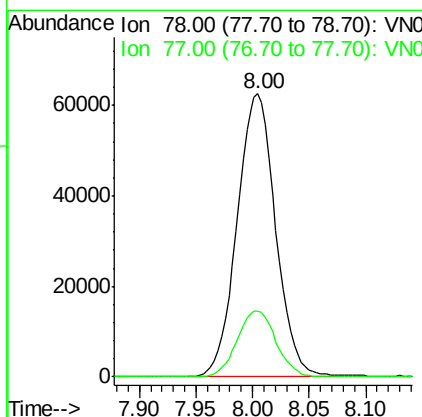
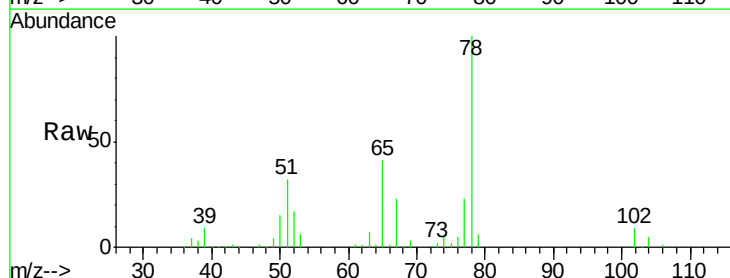
Manual Integrations
APPROVED

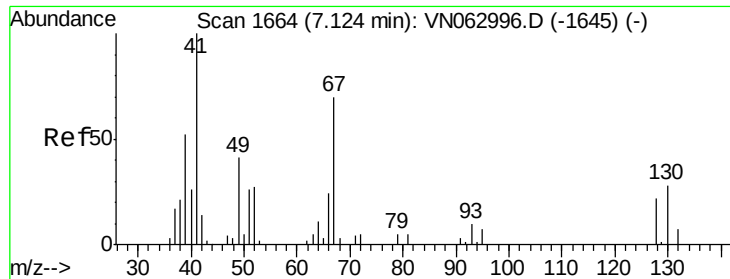
MMDadoda
8/21/2020 9:20:38 AM



#40
Benzene
Concen: 20.225 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN063050.D
Acq: 20 Aug 2020 22:02

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.8	28.2





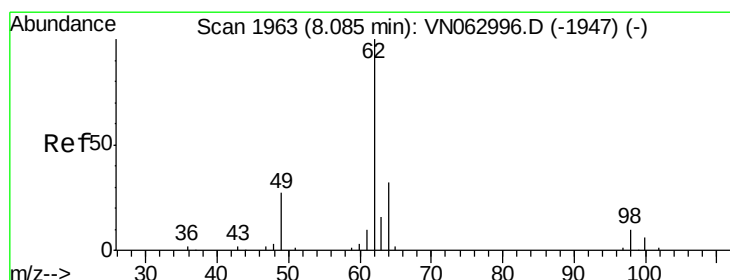
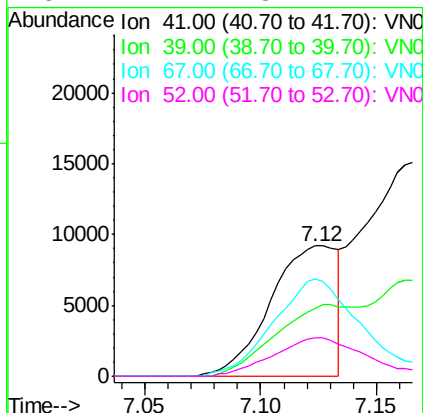
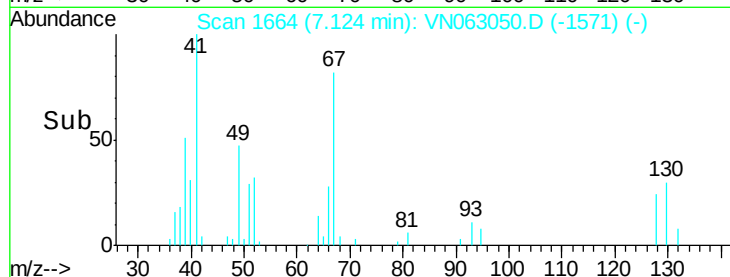
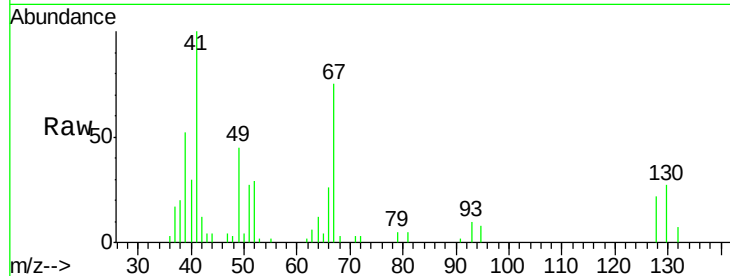
#41
Methacrylonitrile
Concen: 17.900 ug/l
RT: 7.12 min Scan# 1664
Delta R.T. 0.00 min
Lab File: VN063050.D
Acq: 20 Aug 2020 22:02

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBS02

Tot Ion:	41	Resp:	18444
Ion	Ratio	Lower	Upper
41	100		
39	56.5	41.6	62.4
67	99.6	71.8	107.8
52	42.2	28.2	42.4

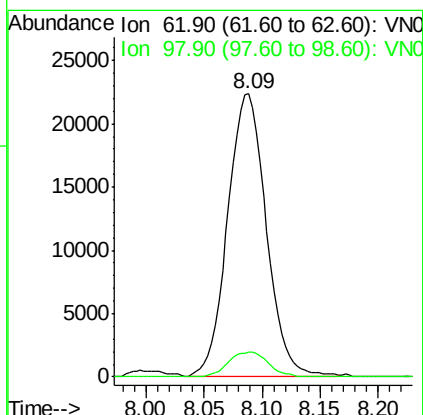
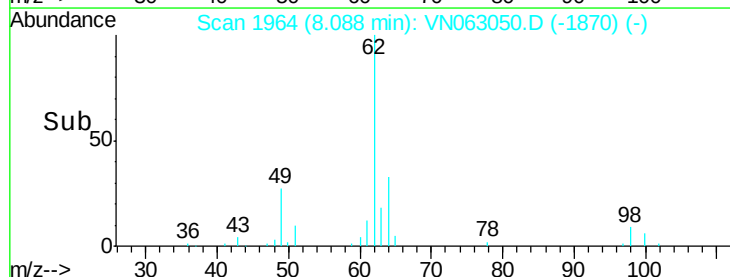
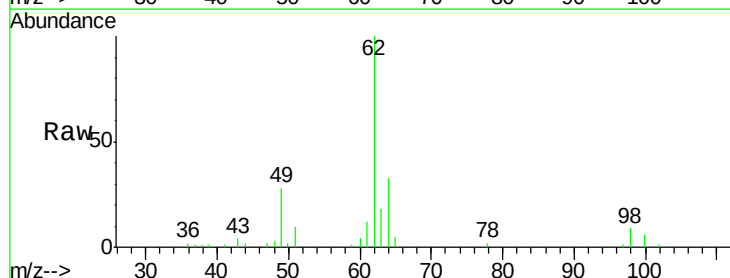
Manual Integrations
APPROVED

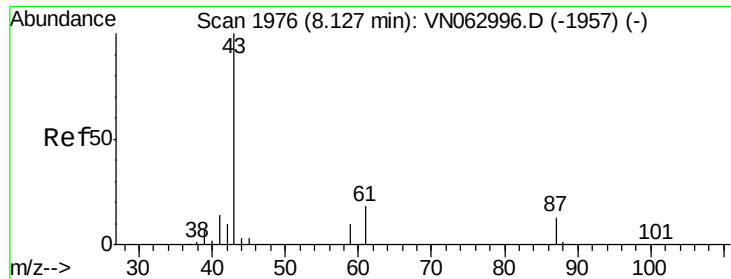
MMDadoda
8/21/2020 9:20:38 AM



#42
1,2-Dichloroethane
Concen: 21.142 ug/l
RT: 8.09 min Scan# 1964
Delta R.T. 0.00 min
Lab File: VN063050.D
Acq: 20 Aug 2020 22:02

Tgt Ion:	62	Resp:	51967
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.4





#43

Isopropyl Acetate

Concen: 19.792 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN063050.D

Acq: 20 Aug 2020 22:02

Instrument :

MSVOA_N

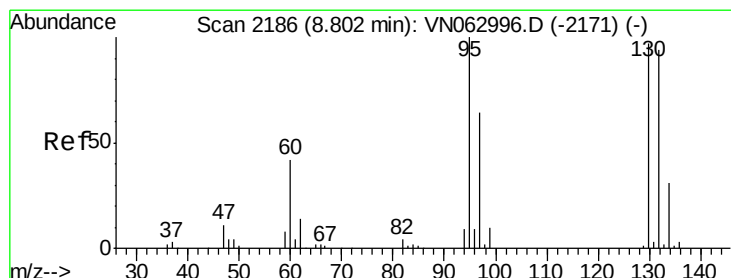
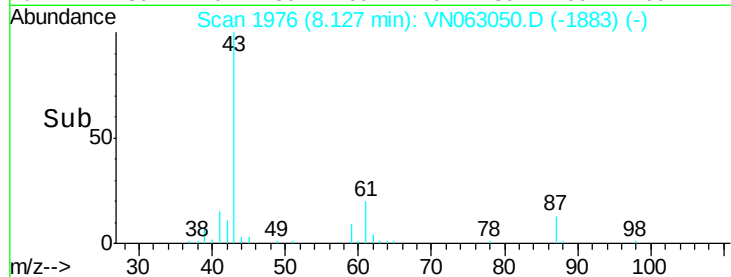
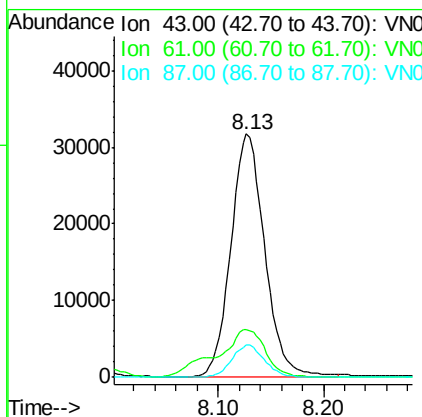
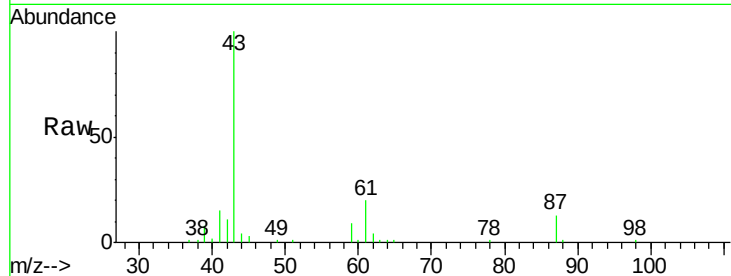
ClientSampleId :

VN0820WBS02

Tot Ion:	43	Resp:	70913
Ion	Ratio	Lower	Upper
43	100		
61	28.3	22.6	33.8
87	12.7	10.5	15.7

Manual Integrations
APPROVED

MMDadoda
8/21/2020 9:20:38 AM



#44

Trichloroethene

Concen: 19.582 ug/l

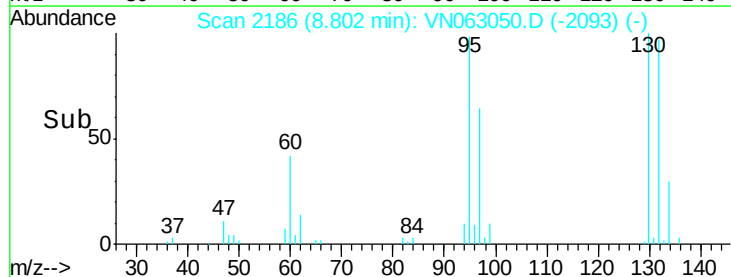
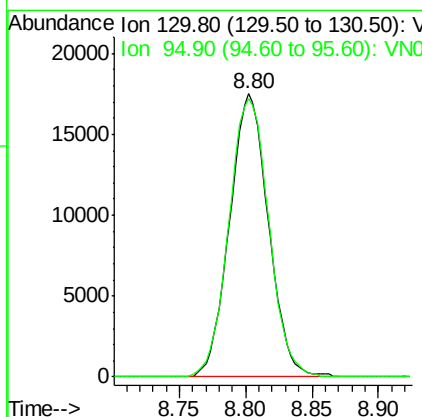
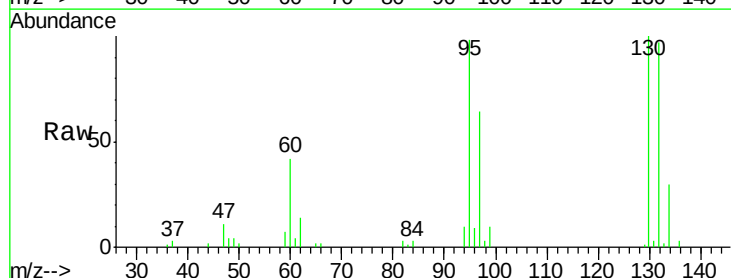
RT: 8.80 min Scan# 2186

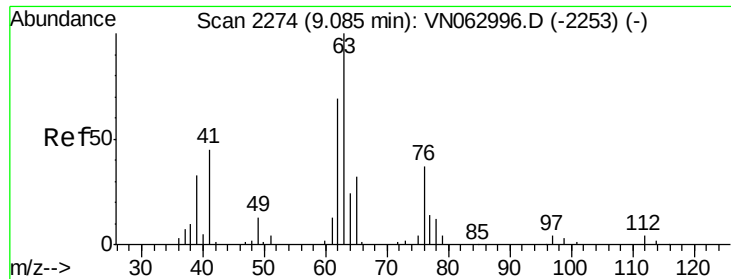
Delta R.T. 0.00 min

Lab File: VN063050.D

Acq: 20 Aug 2020 22:02

Tgt Ion:	130	Resp:	35656
Ion	Ratio	Lower	Upper
130	100		
95	98.1	0.0	205.6





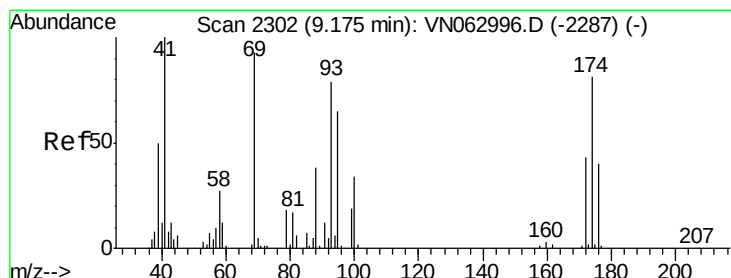
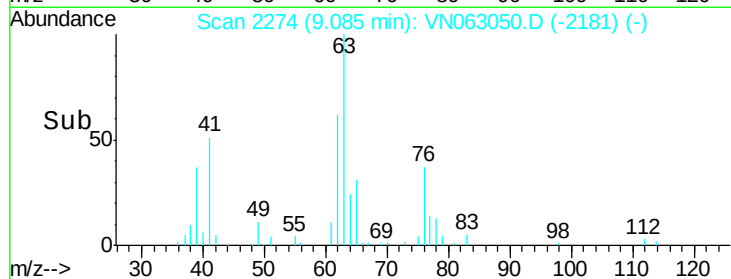
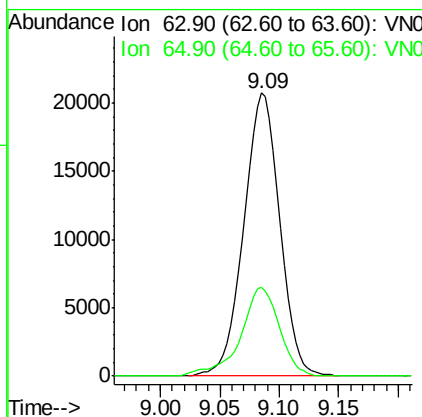
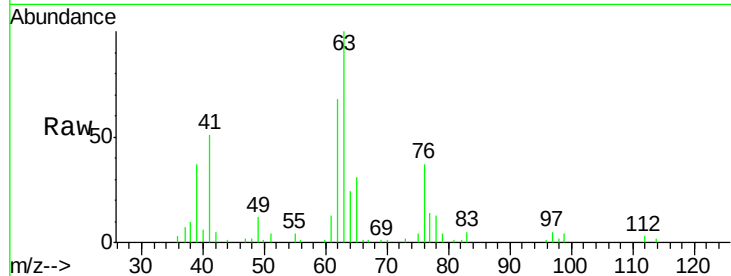
#45
 1,2-Dichloropropane
 Concen: 20.524 ug/l
 RT: 9.09 min Scan# 2274
 Delta R.T. 0.00 min
 Lab File: VN063050.D
 Acq: 20 Aug 2020 22:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBS02

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.5	25.6	38.4

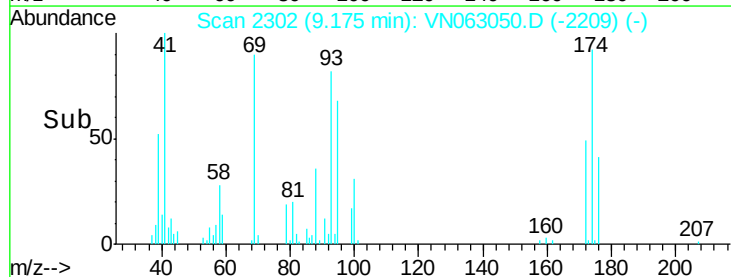
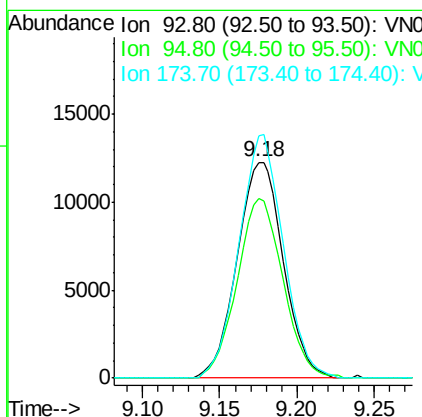
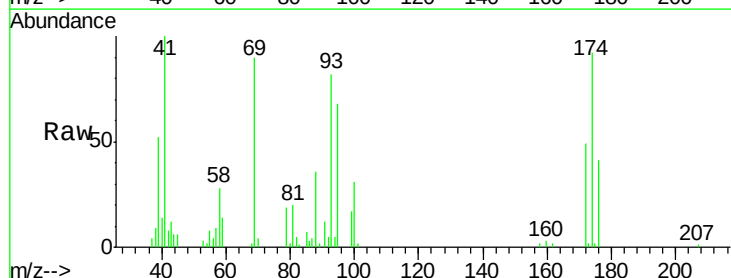
Manual Integrations
 APPROVED

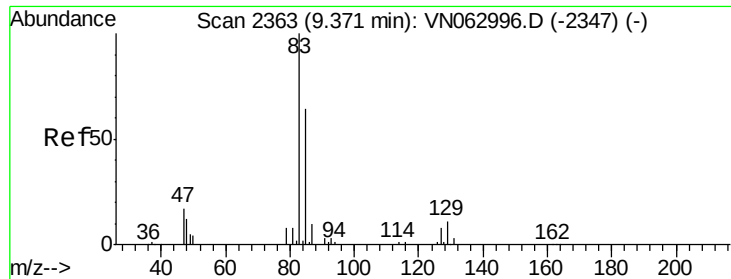
MMDadoda
 8/21/2020 9:20:38 AM



#46
 Dibromomethane
 Concen: 20.878 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. 0.00 min
 Lab File: VN063050.D
 Acq: 20 Aug 2020 22:02

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.3	66.2	99.4
174	107.6	84.6	127.0





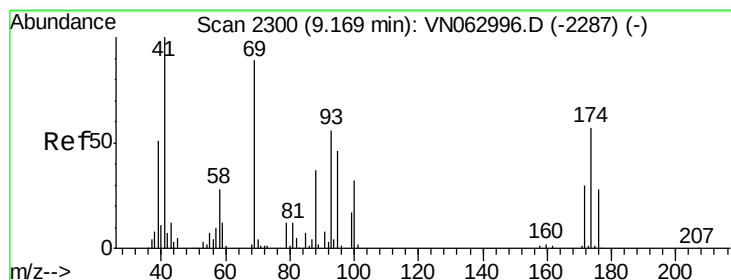
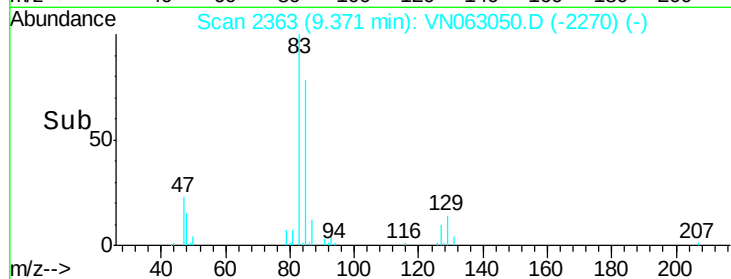
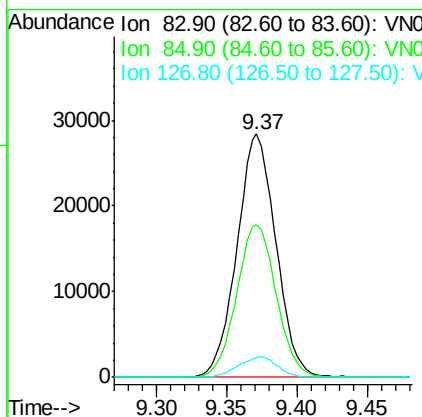
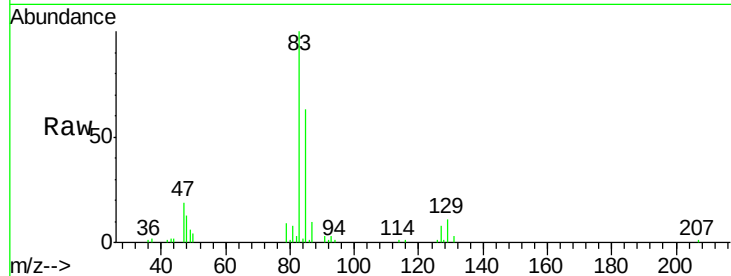
#47
Bromodichloromethane
Concen: 20.545 ug/l
RT: 9.37 min Scan# 2363
Delta R.T. 0.00 min
Lab File: VN063050.D
Acq: 20 Aug 2020 22:02

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
85	62.7	51.1	76.7
127	8.2	6.6	9.8

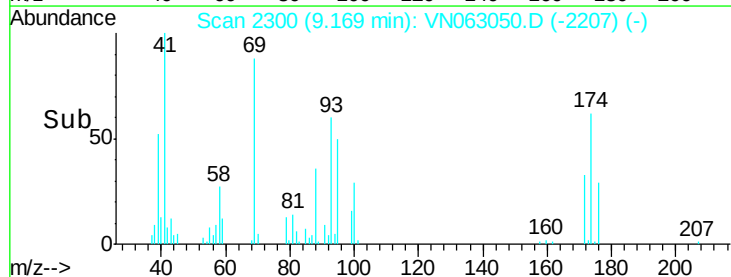
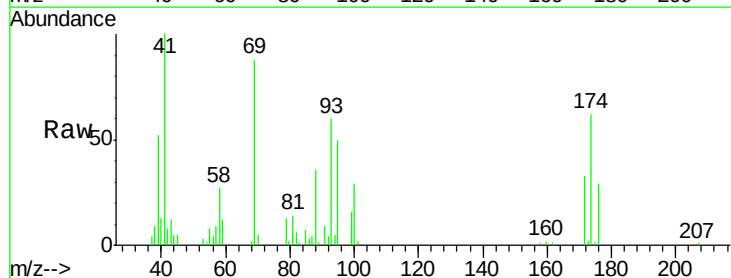
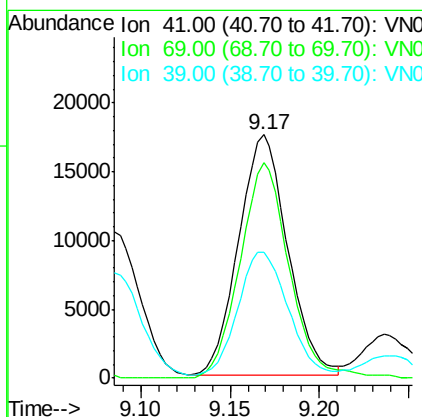
Manual Integrations
APPROVED

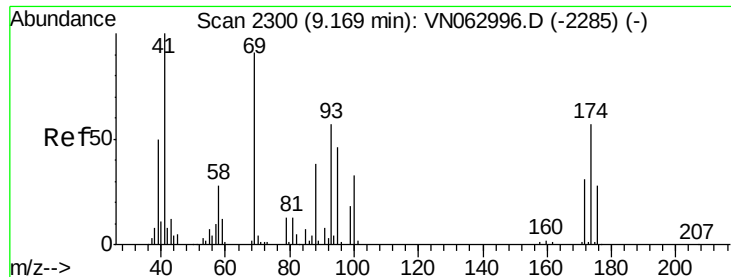
MMDadoda
8/21/2020 9:20:38 AM



#48
Methyl methacrylate
Concen: 19.817 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. 0.00 min
Lab File: VN063050.D
Acq: 20 Aug 2020 22:02

Tgt Ion	Ratio	Lower	Upper
41	100		
69	89.9	74.2	111.4
39	52.0	42.5	63.7





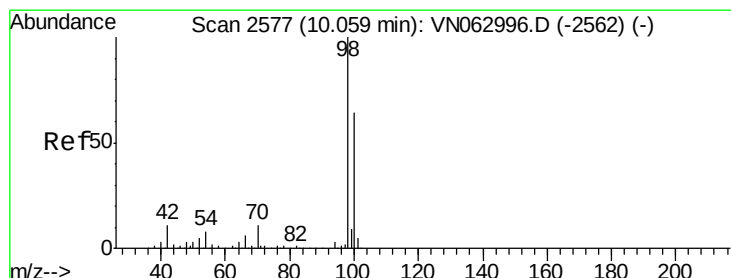
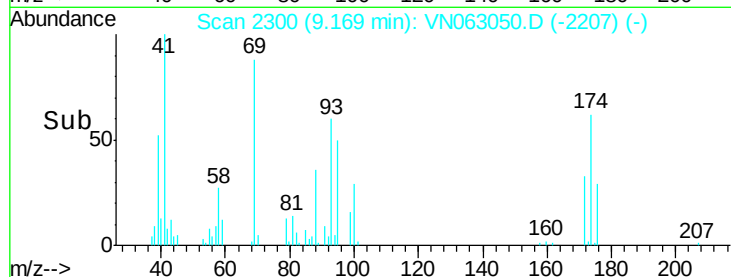
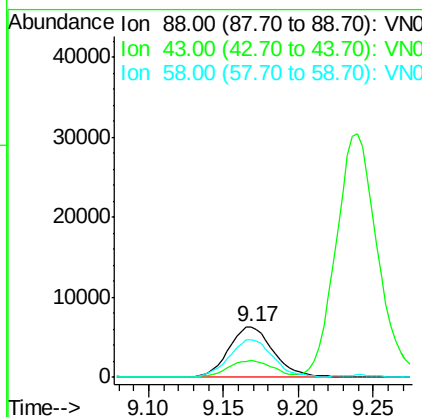
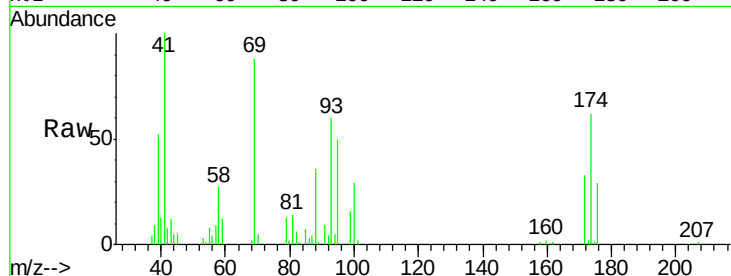
#49
1,4-Dioxane
Concen: 360.903 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. 0.00 min
Lab File: VN063050.D
Acq: 20 Aug 2020 22:02

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBS02

Tot Ion	88	Resp	13093
Ion Ratio	Lower	Upper	
88	100		
43	34.0	25.2	37.8
58	73.1	56.7	85.1

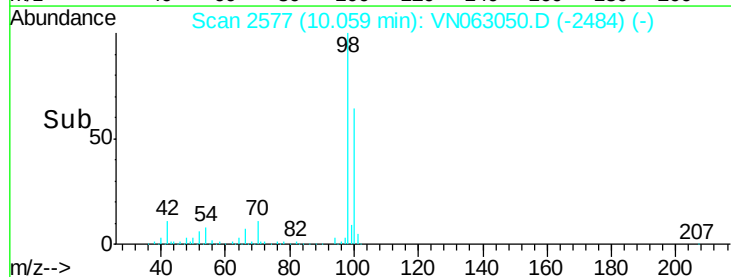
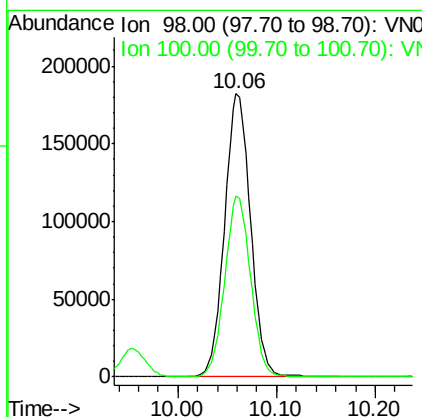
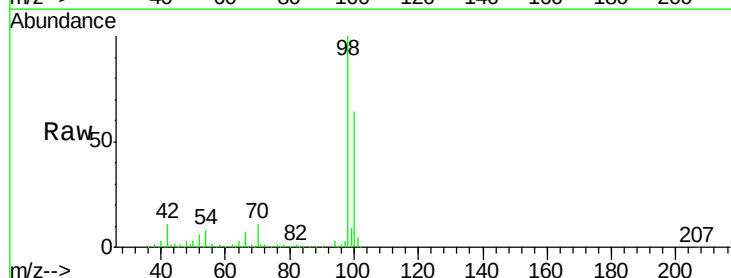
Manual Integrations
APPROVED

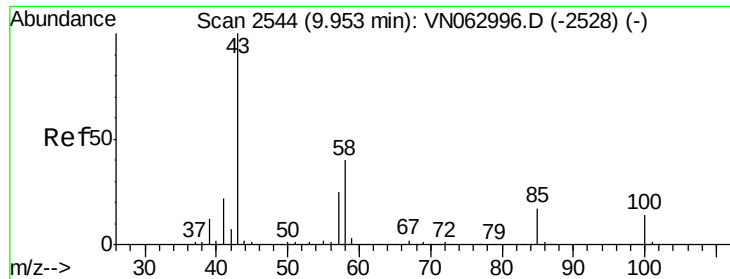
MMDadoda
8/21/2020 9:20:38 AM



#50
Toluene-d8
Concen: 51.377 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN063050.D
Acq: 20 Aug 2020 22:02

Tgt Ion	98	Resp	336778
Ion Ratio	Lower	Upper	
98	100		
100	63.0	51.2	76.8





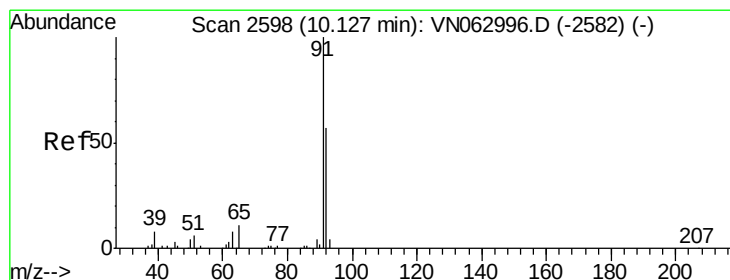
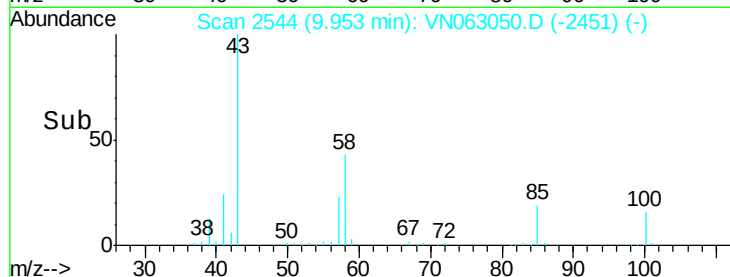
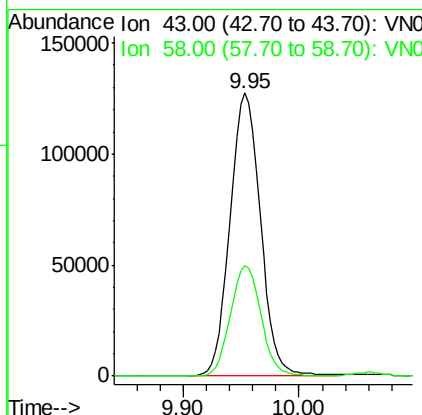
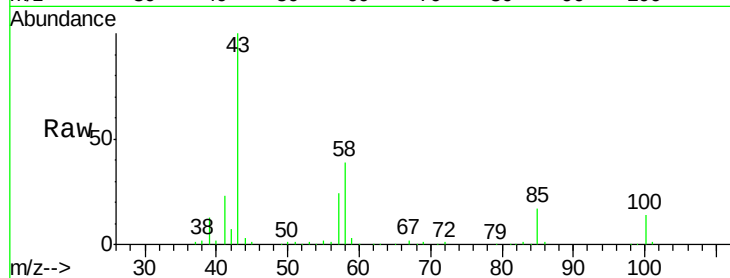
#51
4-Methyl-2-Pentanone
Concen: 102.273 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. 0.00 min
Lab File: VN063050.D
Acq: 20 Aug 2020 22:02

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.3	32.2	48.2

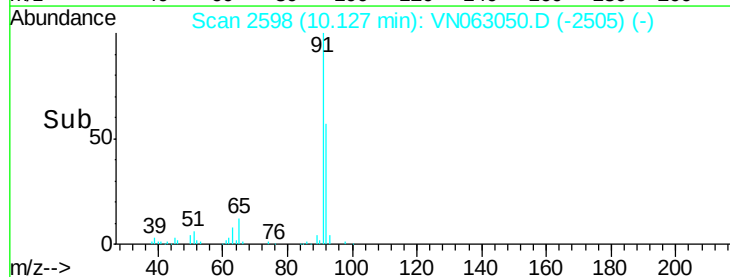
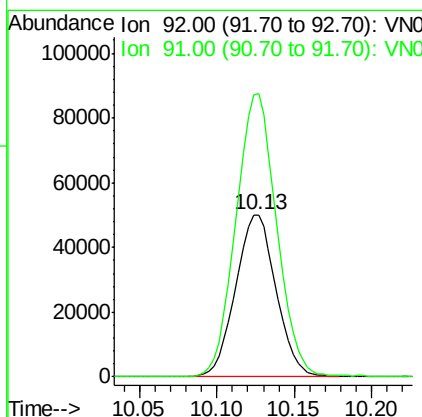
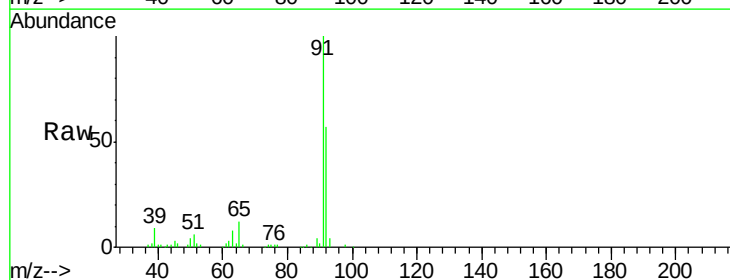
Manual Integrations
APPROVED

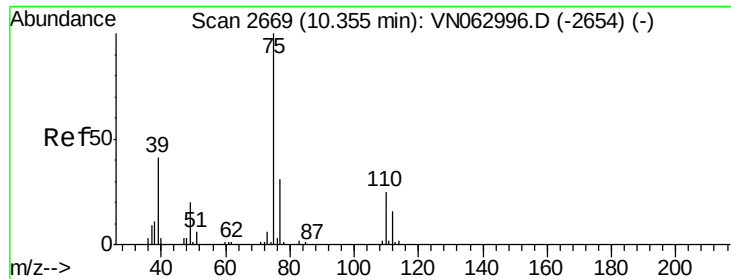
MMDadoda
8/21/2020 9:20:38 AM



#52
Toluene
Concen: 20.577 ug/l
RT: 10.13 min Scan# 2598
Delta R.T. 0.00 min
Lab File: VN063050.D
Acq: 20 Aug 2020 22:02

Tgt Ion	Ratio	Lower	Upper
92	100		
91	176.1	139.2	208.8





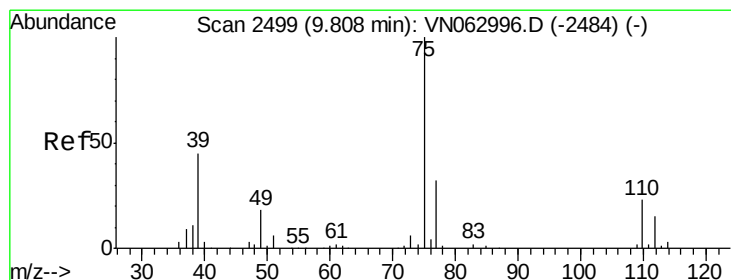
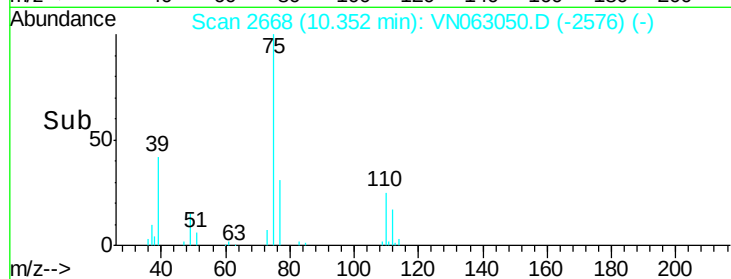
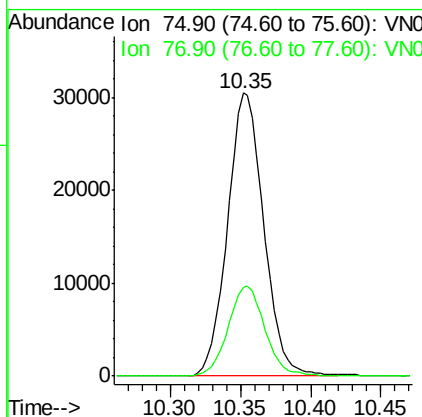
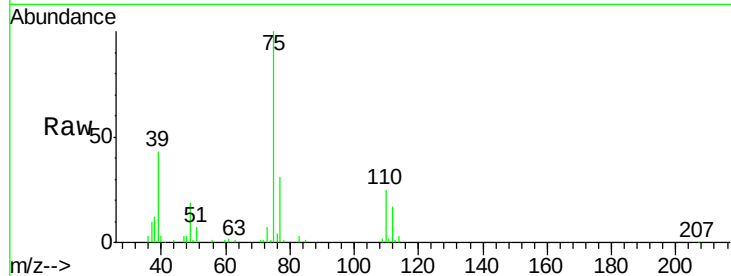
#53
t-1,3-Dichloropropene
Concen: 19.785 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN063050.D
Acq: 20 Aug 2020 22:02

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.6	37.0

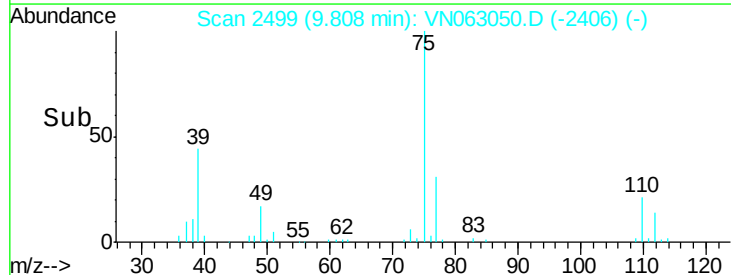
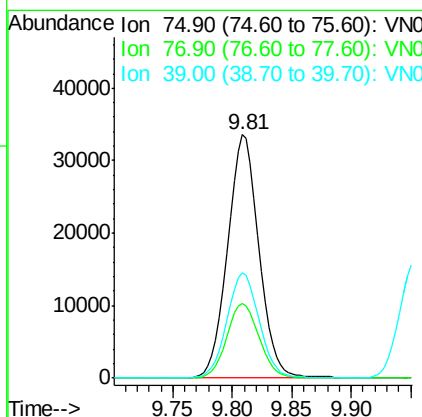
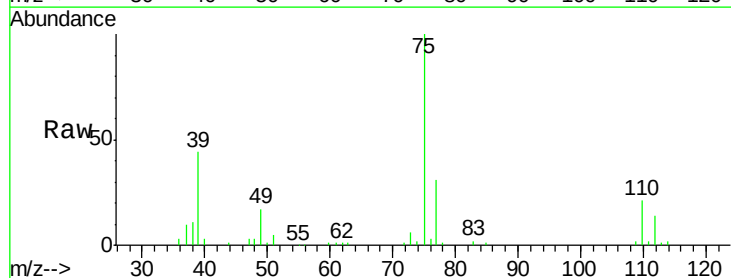
Manual Integrations
APPROVED

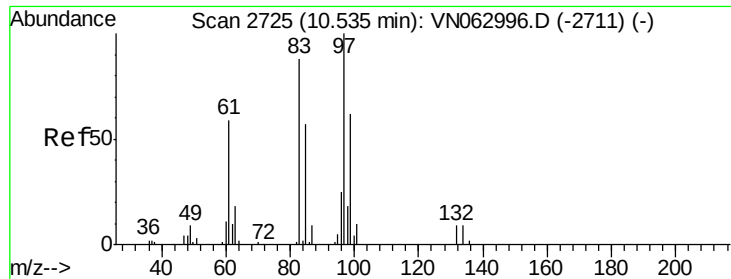
MMDadoda
8/21/2020 9:20:38 AM



#54
cis-1,3-Dichloropropene
Concen: 20.156 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VN063050.D
Acq: 20 Aug 2020 22:02

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.4	38.2
39	43.5	35.7	53.5





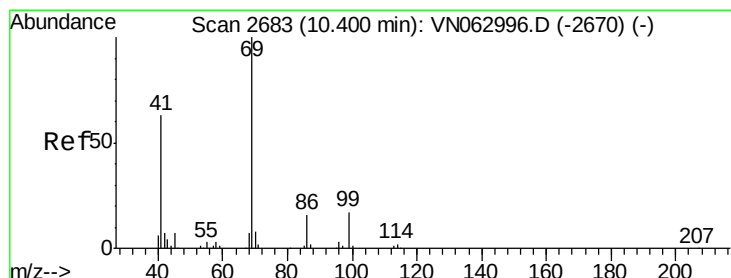
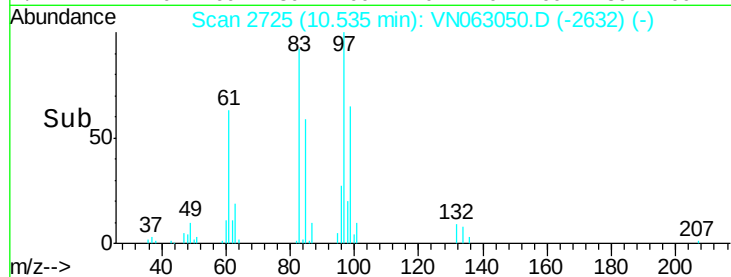
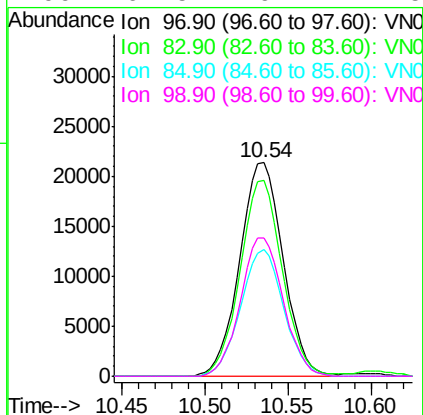
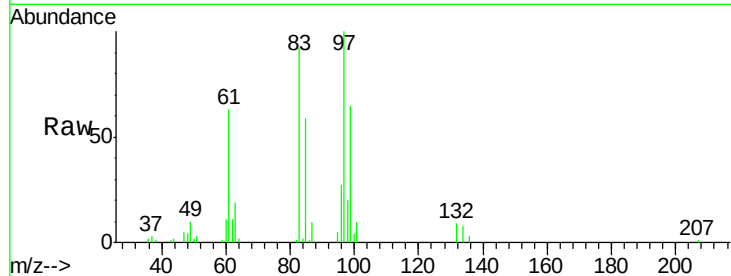
#55
 1,1,2-Trichloroethane
 Concen: 20.673 ug/l
 RT: 10.54 min Scan# 2725
 Delta R.T. 0.00 min
 Lab File: VN063050.D
 Acq: 20 Aug 2020 22:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	97	100	39035		
83	83	91.9		70.5	105.7
85	85	59.1		45.8	68.6
99	99	64.5		49.7	74.5

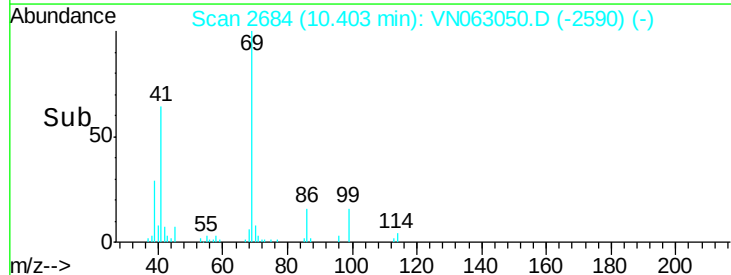
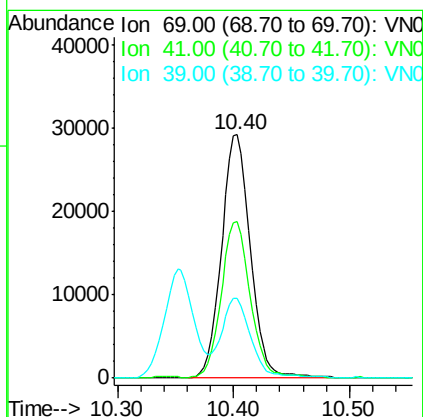
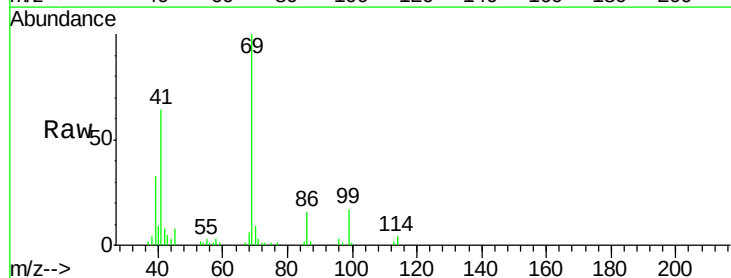
Manual Integrations
 APPROVED

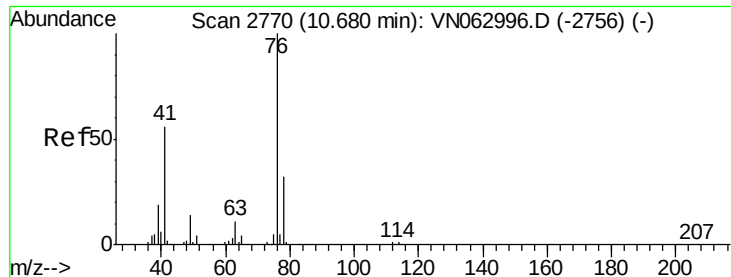
MMDadoda
 8/21/2020 9:20:38 AM



#56
 Ethyl methacrylate
 Concen: 18.518 ug/l
 RT: 10.40 min Scan# 2684
 Delta R.T. 0.00 min
 Lab File: VN063050.D
 Acq: 20 Aug 2020 22:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	69	100	50691		
41	41	65.3		50.2	75.2
39	39	32.0		24.2	36.4





#57

1,3-Dichloropropane

Concen: 20.681 ug/l

RT: 10.68 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VN063050.D

Acq: 20 Aug 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBS02

Tot Ion: 76 Resp: 64843

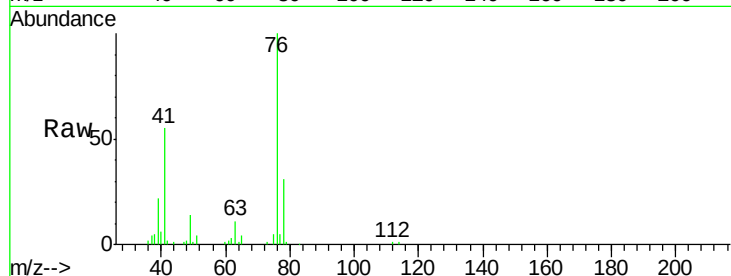
Ion Ratio Lower Upper

76 100

78 31.2 26.1 39.1

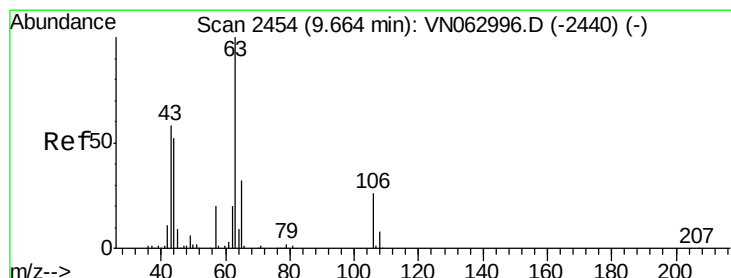
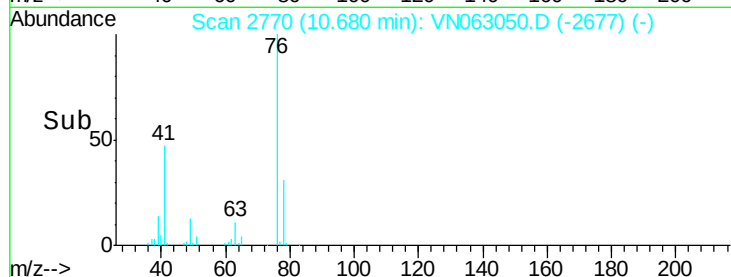
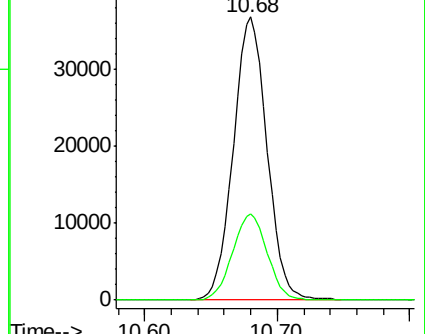
Manual Integrations
APPROVED

MMDadoda
8/21/2020 9:20:38 AM



Abundance Ion 75.90 (75.60 to 76.60): VN062996.D (-2756) (-)

Ion 77.90 (77.60 to 78.60): VN062996.D (-2756) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 75.604 ug/l

RT: 9.67 min Scan# 2455

Delta R.T. 0.00 min

Lab File: VN063050.D

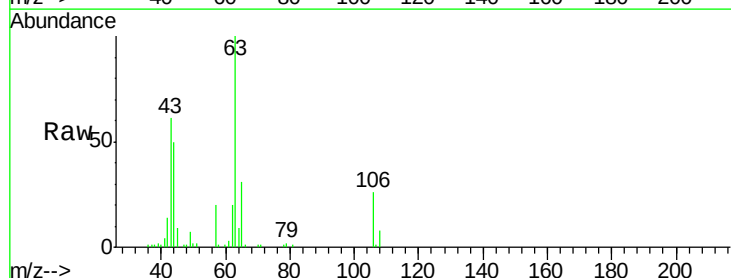
Acq: 20 Aug 2020 22:02

Tgt Ion: 63 Resp: 47259

Ion Ratio Lower Upper

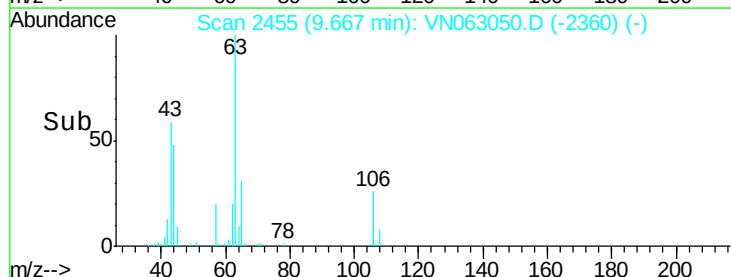
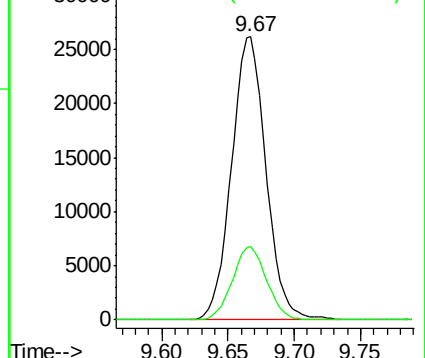
63 100

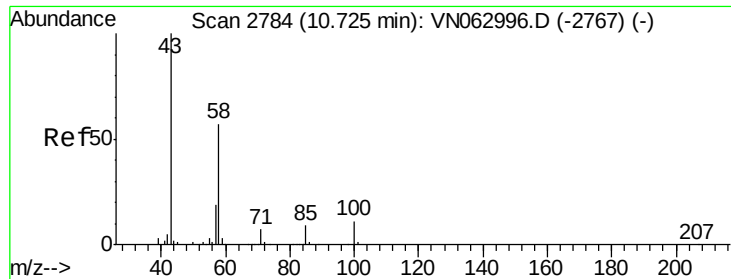
106 25.5 20.7 31.1



Abundance Ion 62.90 (62.60 to 63.60): VN062996.D (-2440) (-)

Ion 105.90 (105.60 to 106.60): VN062996.D (-2440) (-)





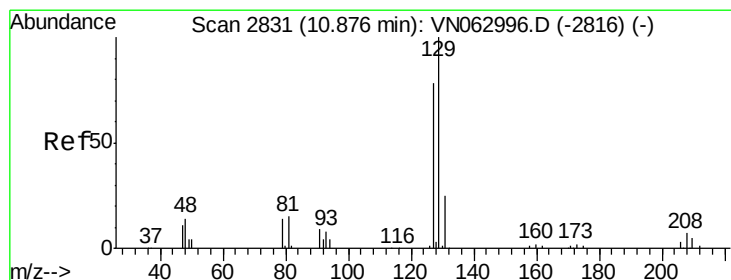
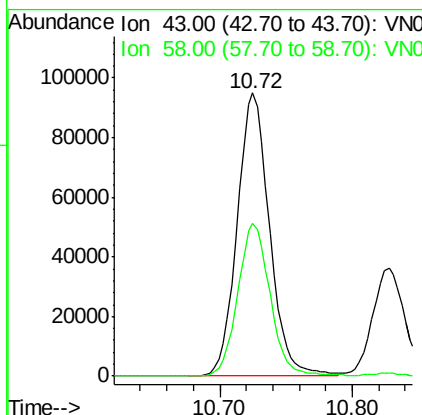
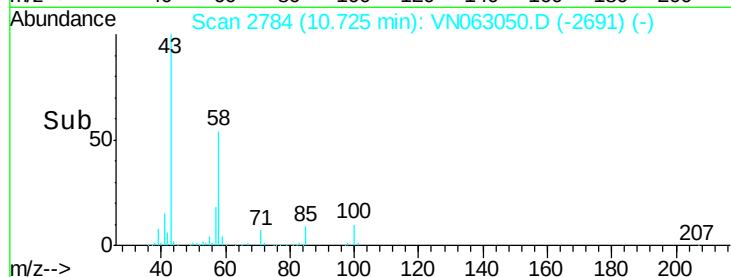
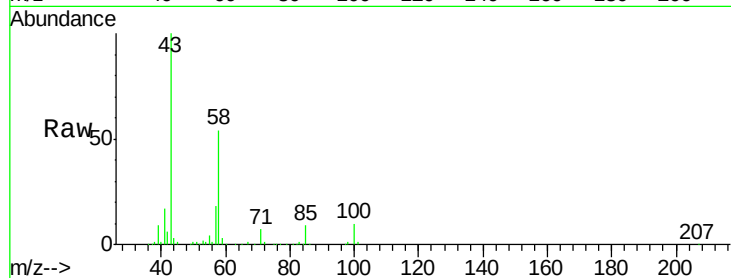
#59
2-Hexanone
Concen: 101.844 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN063050.D
Acq: 20 Aug 2020 22:02

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBS02

Tot Ion	43	Resp	160880
Ion Ratio	43	100	
Lower	58	53.9	28.1
Upper			84.3

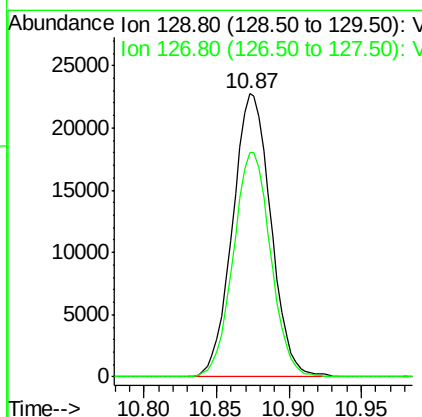
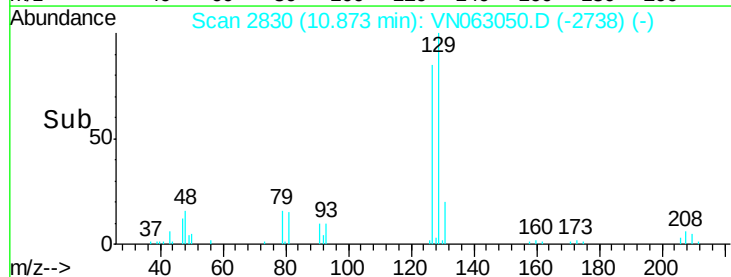
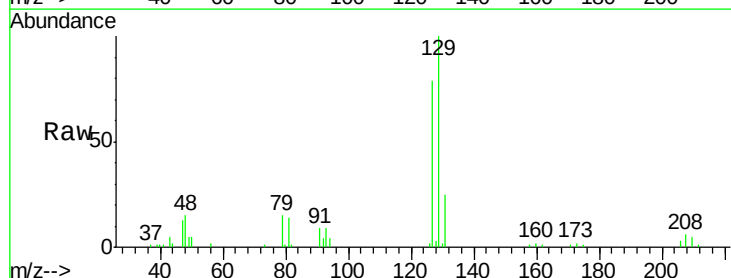
Manual Integrations
APPROVED

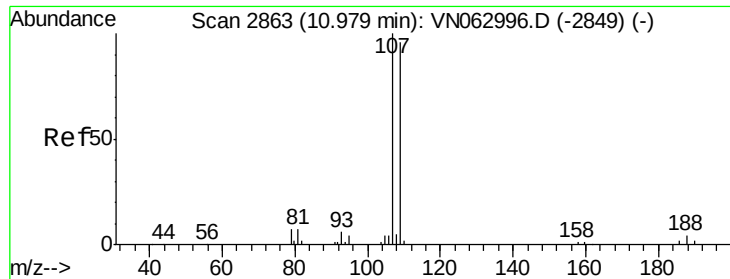
MMDadoda
8/21/2020 9:20:38 AM



#60
Dibromochloromethane
Concen: 19.974 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN063050.D
Acq: 20 Aug 2020 22:02

Tgt Ion	129	Resp	41737
Ion Ratio	129	100	
Lower	127	77.4	38.4
Upper			115.2





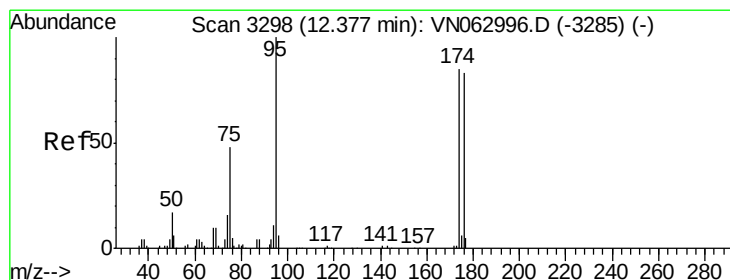
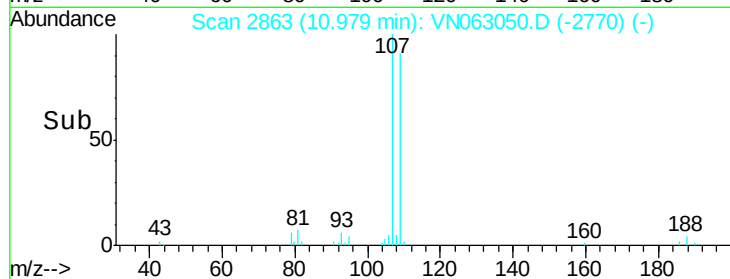
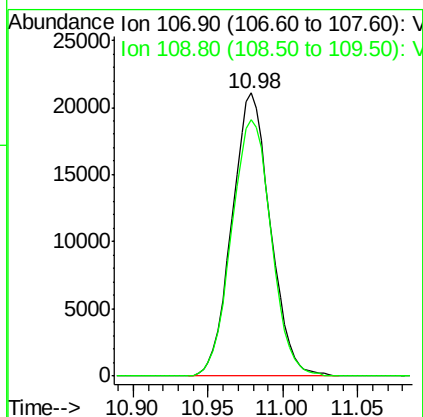
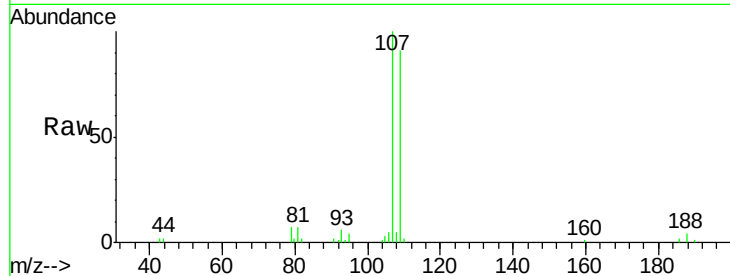
#61
 1,2-Dibromoethane
 Concen: 20.796 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VN063050.D
 Acq: 20 Aug 2020 22:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.3	75.7	113.5

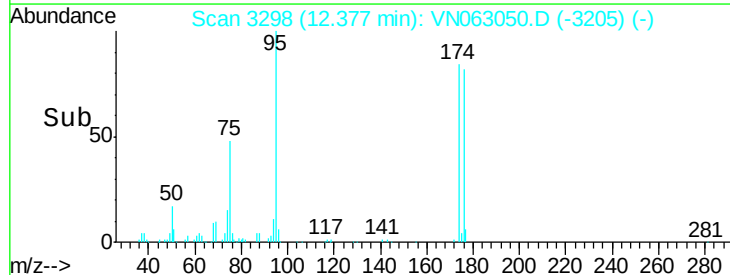
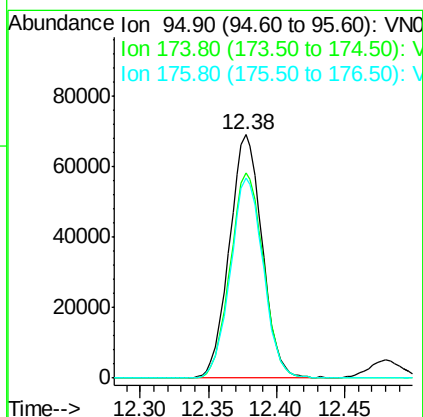
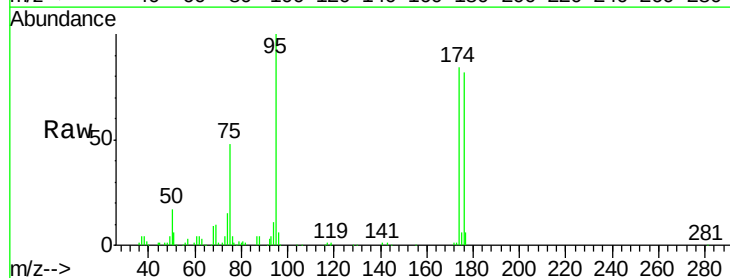
Manual Integrations
 APPROVED

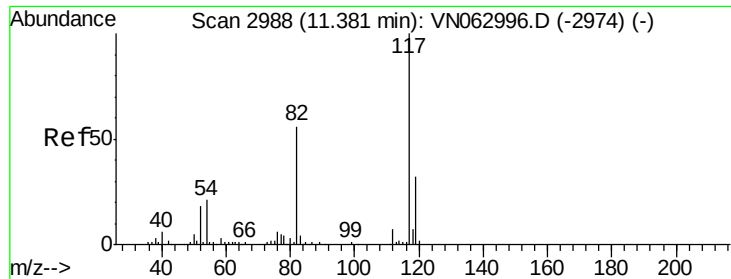
MMDadoda
 8/21/2020 9:20:38 AM



#62
 4-Bromofluorobenzene
 Concen: 49.693 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VN063050.D
 Acq: 20 Aug 2020 22:02

Tgt Ion	Ratio	Lower	Upper
95	100		
174	85.6	0.0	170.8
176	82.4	0.0	164.8





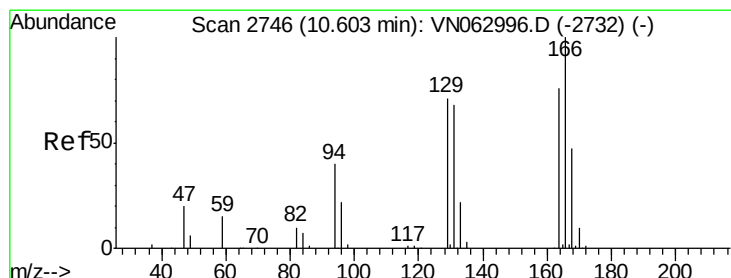
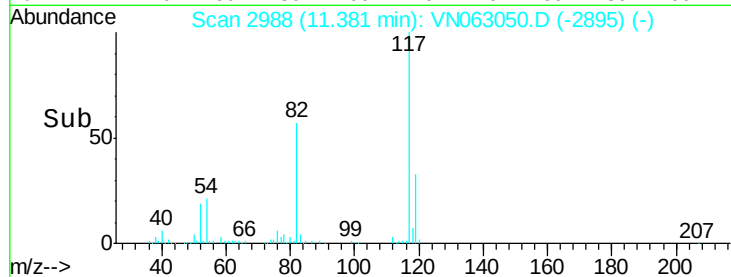
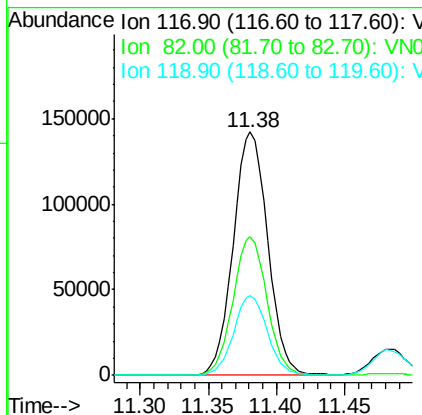
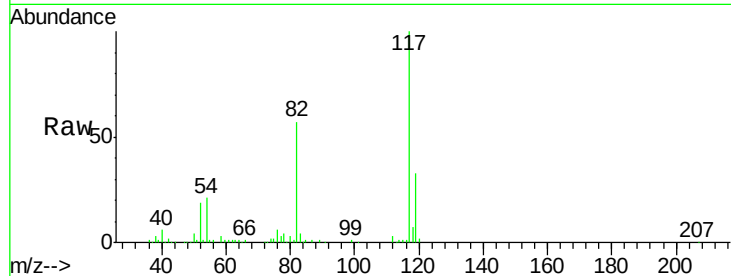
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN063050.D
Acq: 20 Aug 2020 22:02

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	250022		
82	57.2		44.5	66.7
119	32.7		25.5	38.3

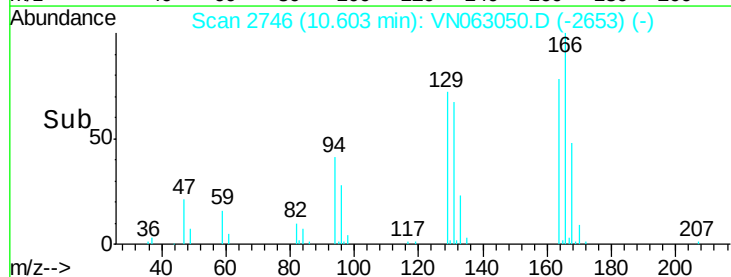
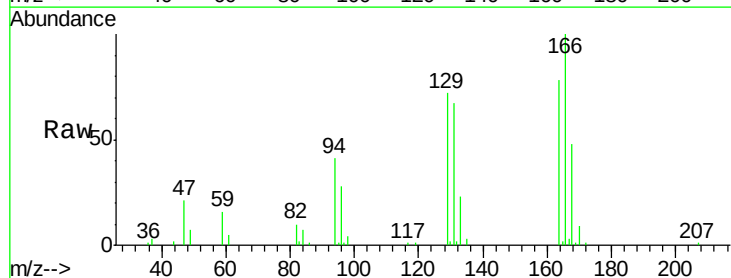
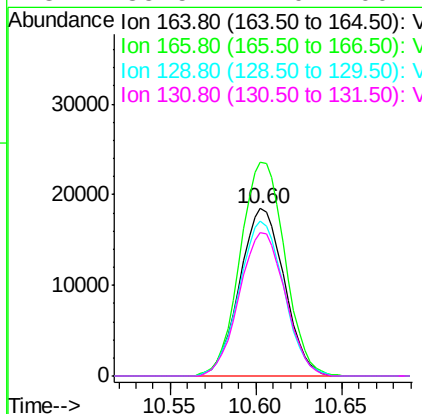
Manual Integrations
APPROVED

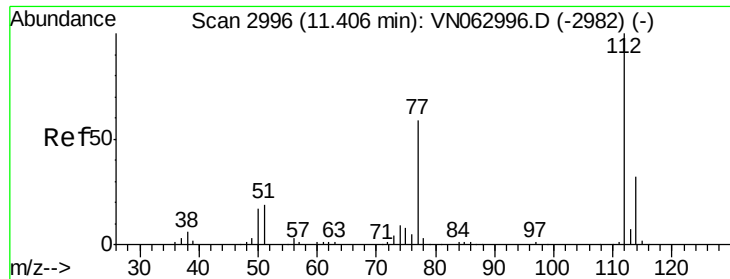
MMDadoda
8/21/2020 9:20:38 AM



#64
Tetrachloroethene
Concen: 20.302 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN063050.D
Acq: 20 Aug 2020 22:02

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	33366		
166	127.5		105.0	157.6
129	92.4		74.7	112.1
131	85.5		71.0	106.4





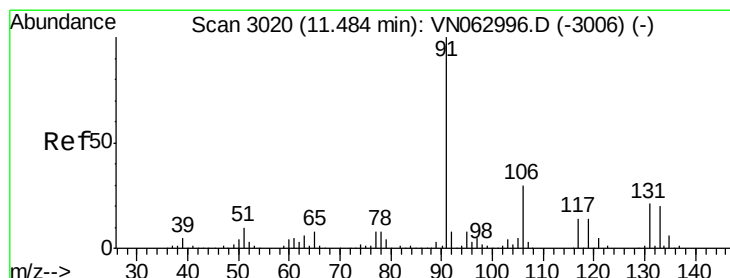
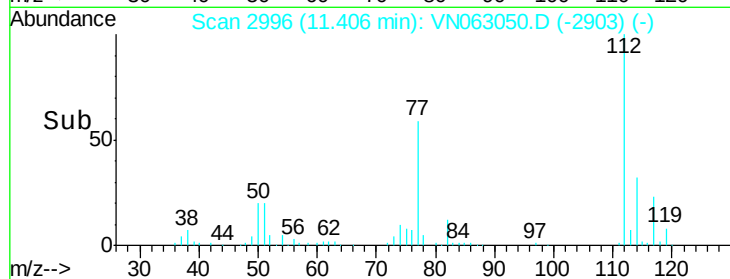
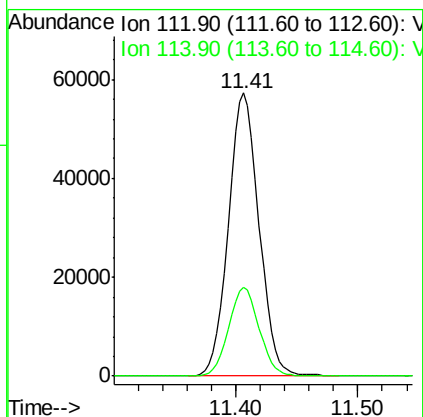
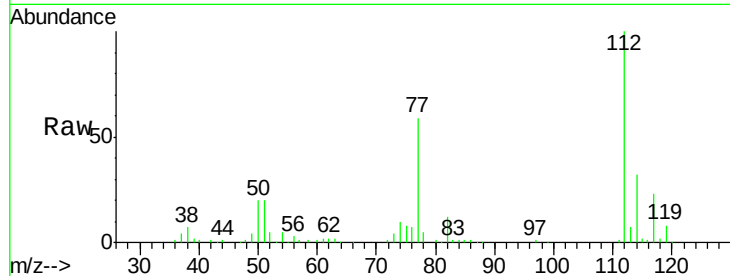
#65
Chlorobenzene
Concen: 19.920 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN063050.D
Acq: 20 Aug 2020 22:02

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBS02

Tot Ion:112 Resp: 100026
Ion Ratio Lower Upper
112 100
114 31.5 25.3 37.9

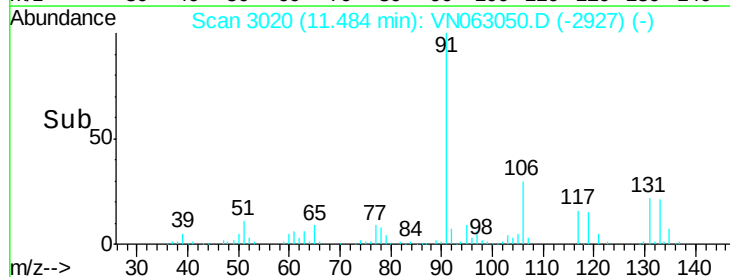
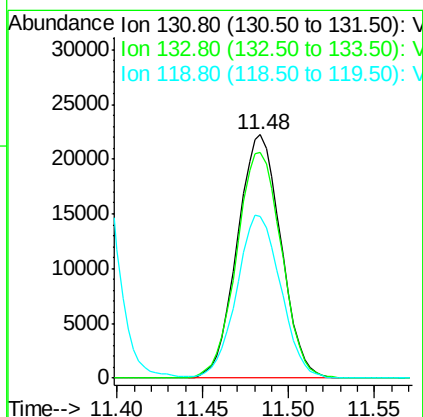
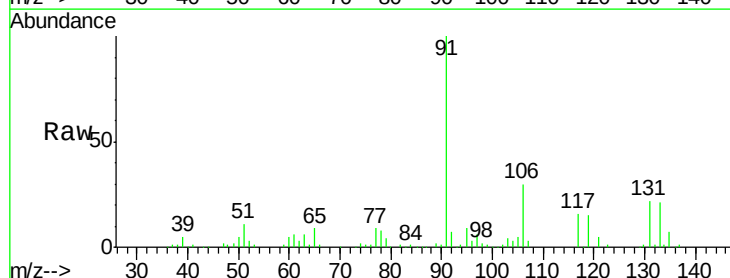
Manual Integrations
APPROVED

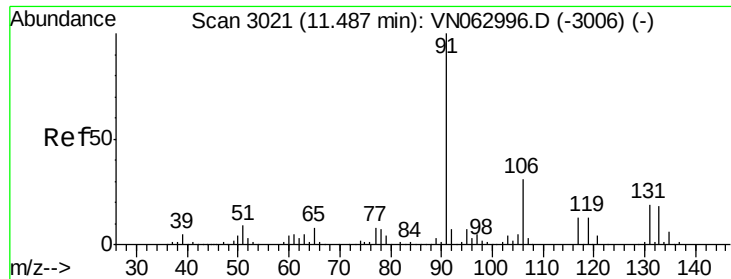
MMDadoda
8/21/2020 9:20:38 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.029 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN063050.D
Acq: 20 Aug 2020 22:02

Tgt Ion:131 Resp: 39118
Ion Ratio Lower Upper
131 100
133 95.5 47.5 142.6
119 67.5 33.1 99.3





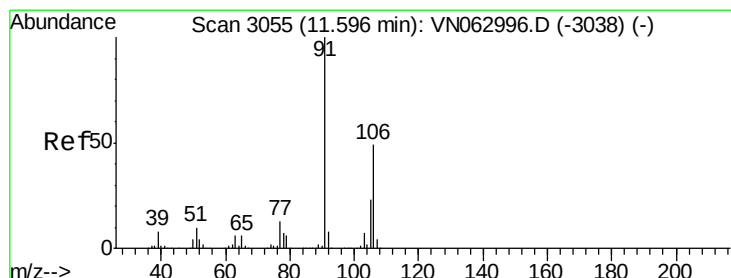
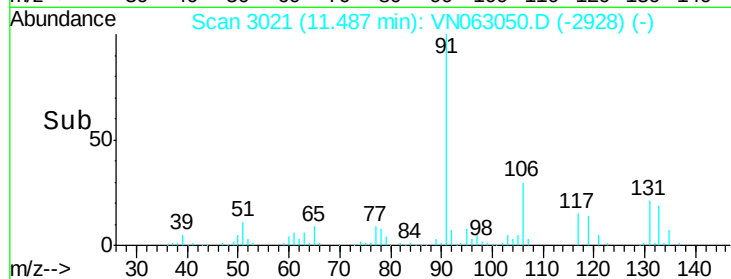
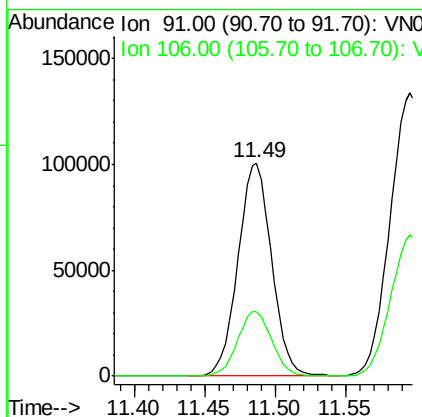
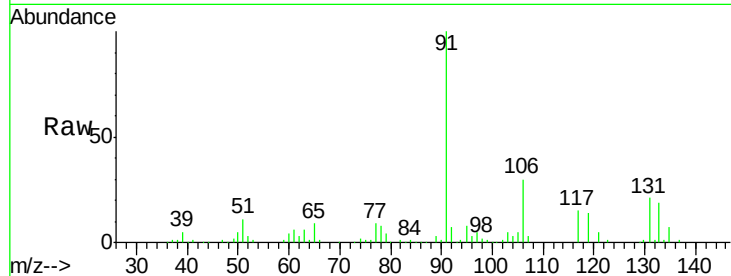
#67
Ethyl Benzene
Concen: 19.858 ug/l
RT: 11.49 min Scan# 3021
Delta R.T. 0.00 min
Lab File: VN063050.D
Acq: 20 Aug 2020 22:02

Instrument :
MSVOA_N
ClientSampled :
VN0820WBS02

Tot Ion: 91 Resp: 168492
Ion Ratio Lower Upper
91 100
106 30.0 24.6 37.0

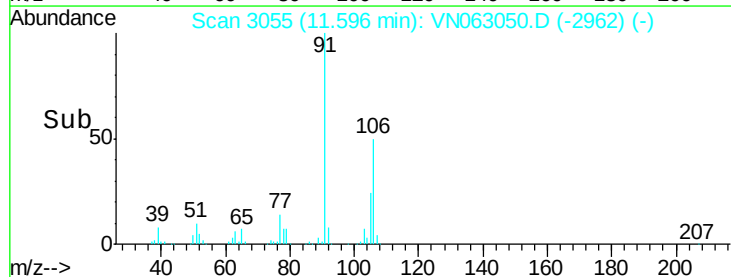
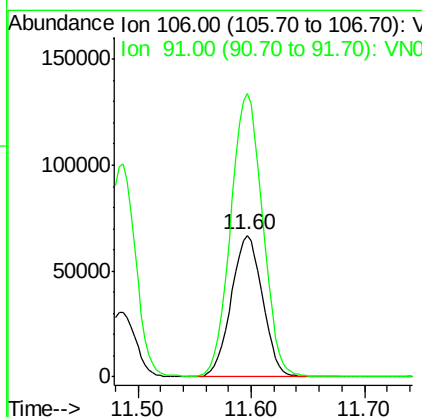
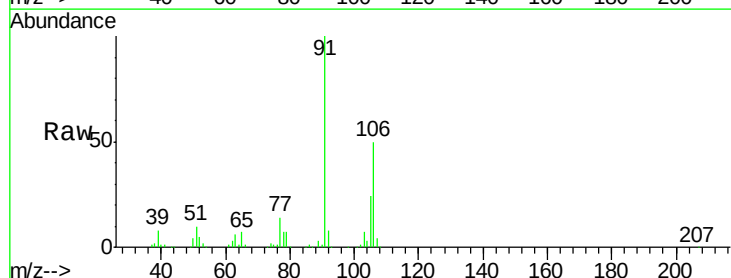
Manual Integrations
APPROVED

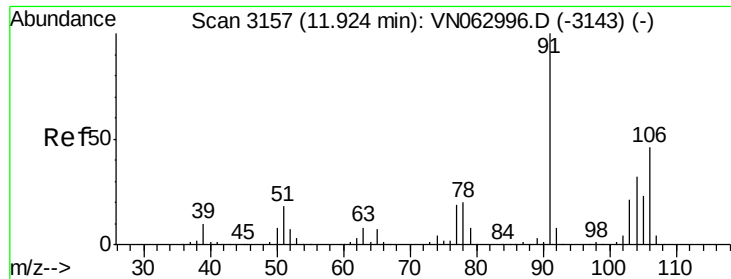
MMDadoda
8/21/2020 9:20:38 AM



#68
m/p-Xylenes
Concen: 40.887 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN063050.D
Acq: 20 Aug 2020 22:02

Tgt Ion: 106 Resp: 128936
Ion Ratio Lower Upper
106 100
91 203.5 163.0 244.4





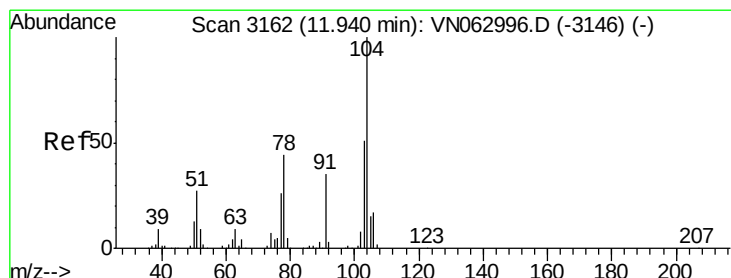
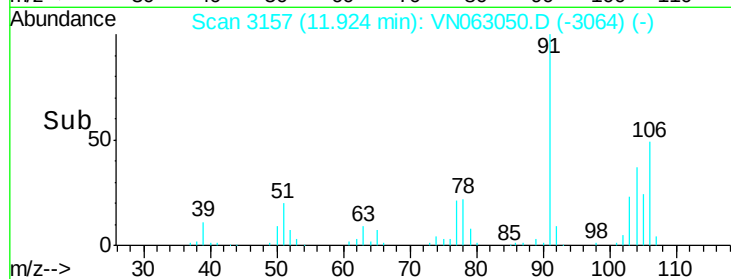
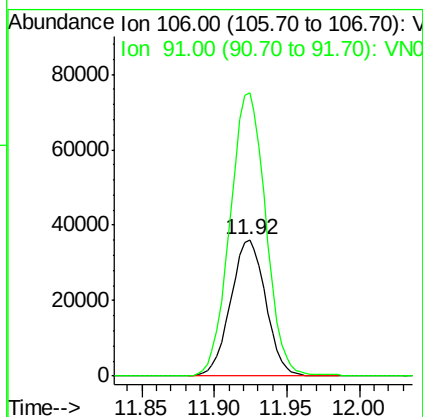
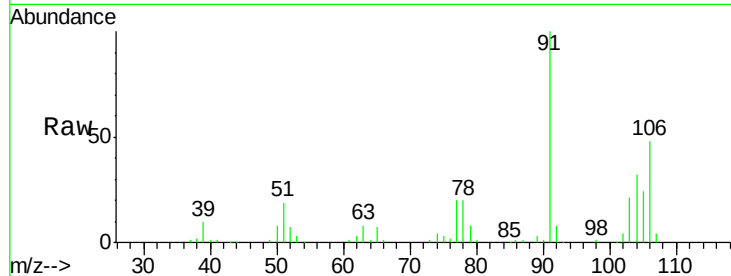
#69
o-Xylene
Concen: 20.038 ug/l
RT: 11.92 min Scan# 3157
Delta R.T. 0.00 min
Lab File: VN063050.D
Acq: 20 Aug 2020 22:02

Instrument :
MSVOA_N
ClientSampled :
VN0820WBS02

Tot Ion:106 Resp: 60679
Ion Ratio Lower Upper
106 100
91 212.2 107.3 321.9

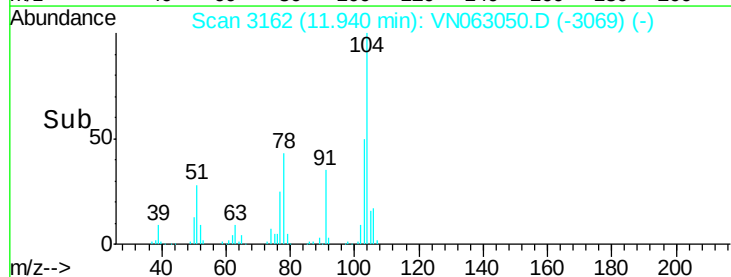
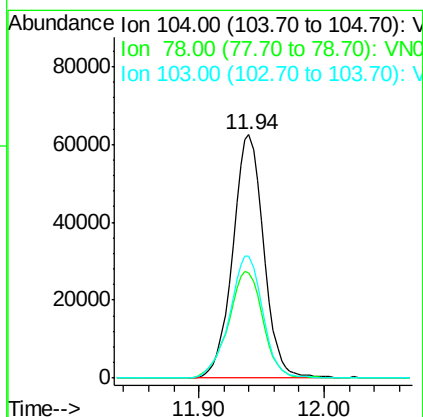
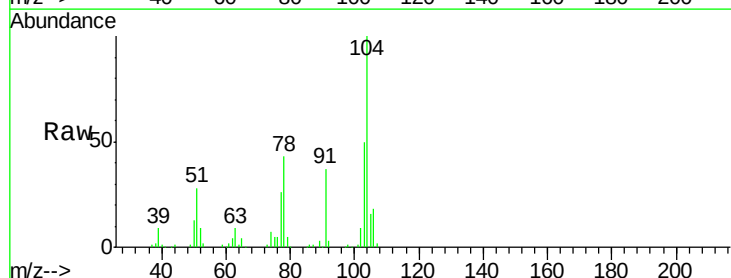
Manual Integrations
APPROVED

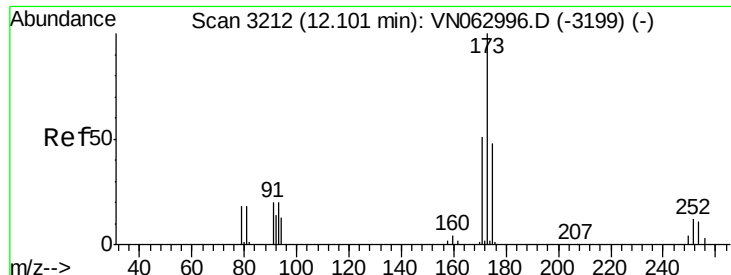
MMDadoda
8/21/2020 9:20:38 AM



#70
Styrene
Concen: 19.105 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN063050.D
Acq: 20 Aug 2020 22:02

Tgt Ion:104 Resp: 107380
Ion Ratio Lower Upper
104 100
78 48.6 39.0 58.6
103 54.0 44.3 66.5





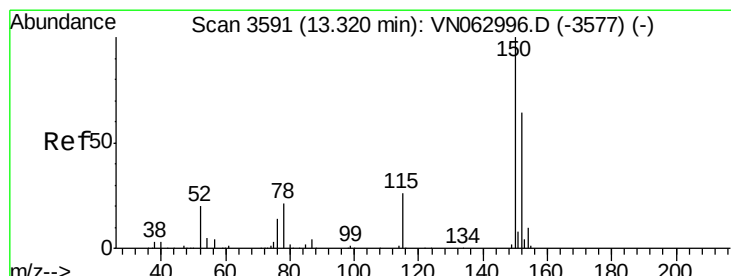
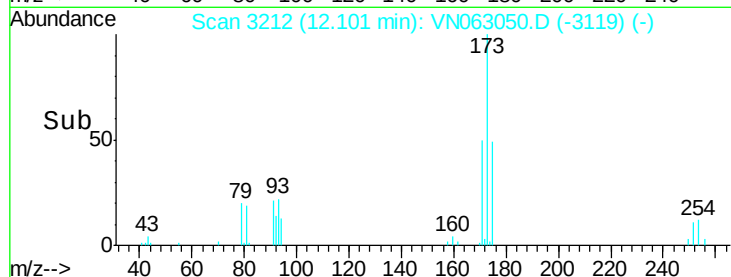
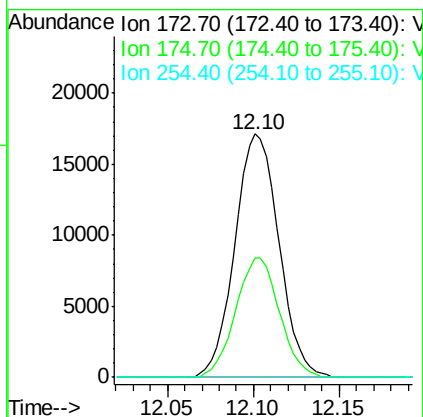
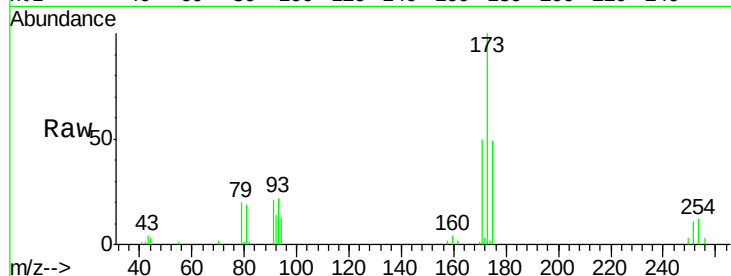
#71
Bromoform
Concen: 19.650 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. 0.00 min
Lab File: VN063050.D
Acq: 20 Aug 2020 22:02

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.3	72.8
254	0.0	0.0	0.0

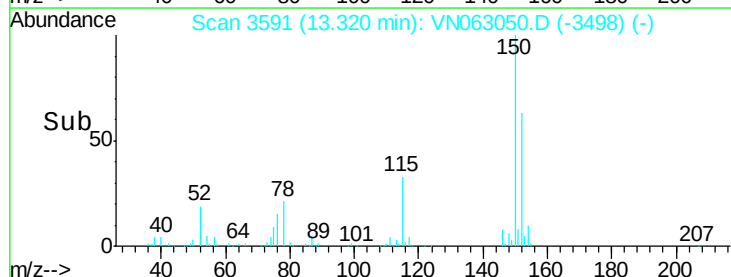
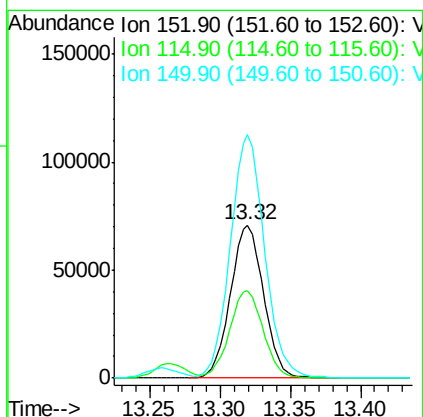
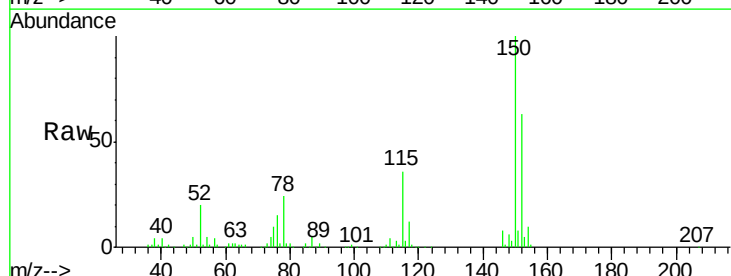
Manual Integrations
APPROVED

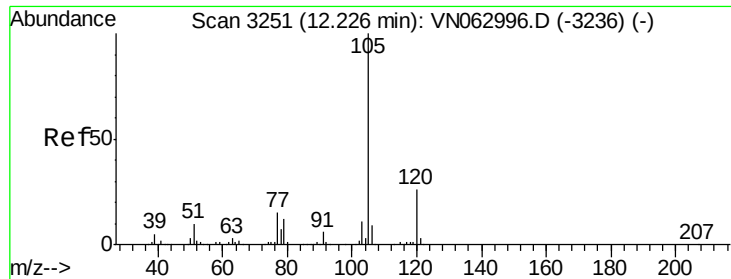
MMDadoda
8/21/2020 9:20:38 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. 0.00 min
Lab File: VN063050.D
Acq: 20 Aug 2020 22:02

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.8	28.7	86.3
150	162.8	0.0	348.8





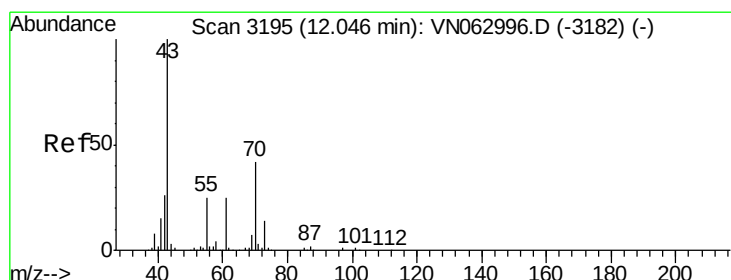
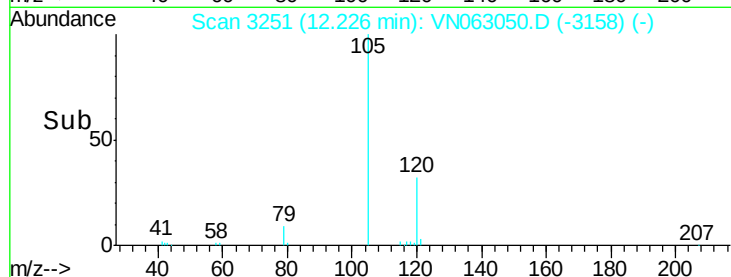
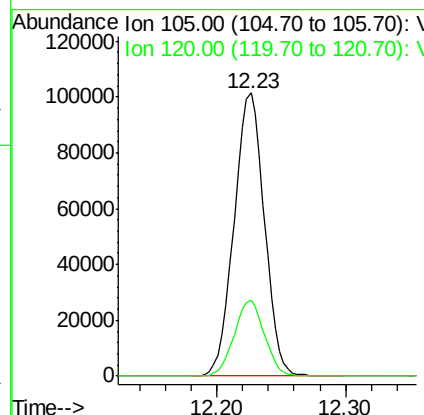
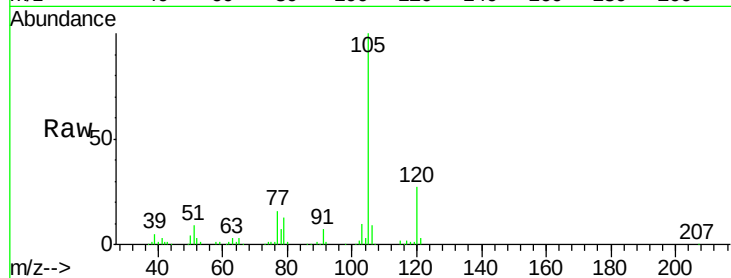
#73
Isopropylbenzene
Concen: 20.664 ug/l
RT: 12.23 min Scan# 3251
Delta R.T. 0.00 min
Lab File: VN063050.D
Acq: 20 Aug 2020 22:02

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBS02

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.2	39.6

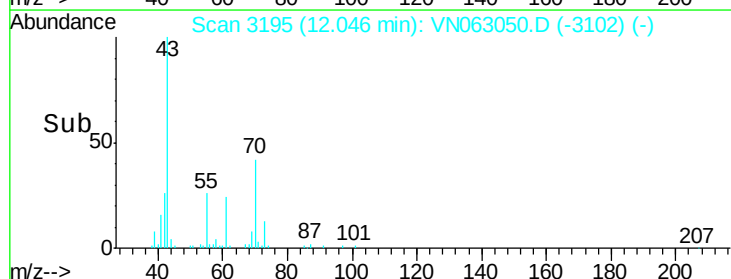
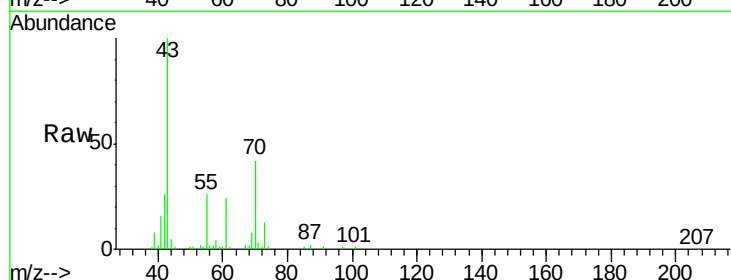
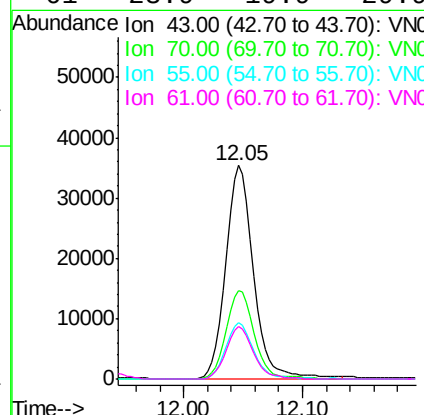
Manual Integrations
APPROVED

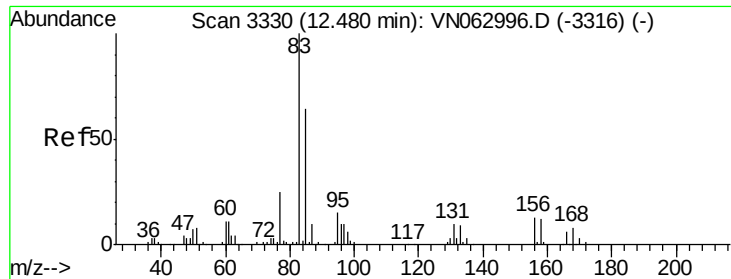
MMDadoda
8/21/2020 9:20:38 AM



#74
N-ethyl acetate
Concen: 20.072 ug/l
RT: 12.05 min Scan# 3195
Delta R.T. 0.00 min
Lab File: VN063050.D
Acq: 20 Aug 2020 22:02

Tgt Ion	Ratio	Lower	Upper
43	100		
70	41.7	33.4	50.0
55	26.1	20.2	30.2
61	23.9	19.9	29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 21.226 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN063050.D

Acq: 20 Aug 2020 22:02

Instrument :

MSVOA_N

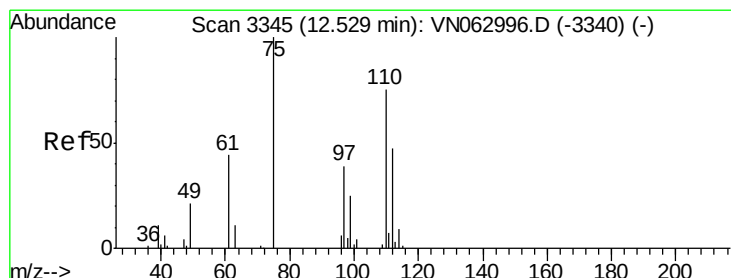
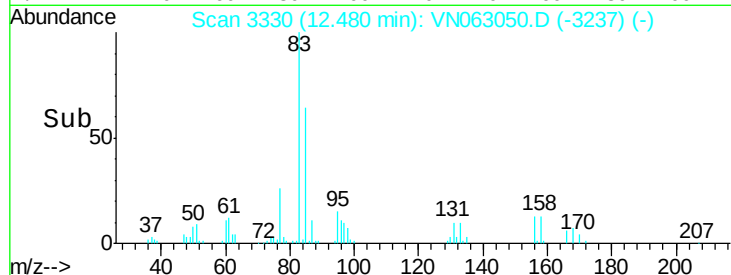
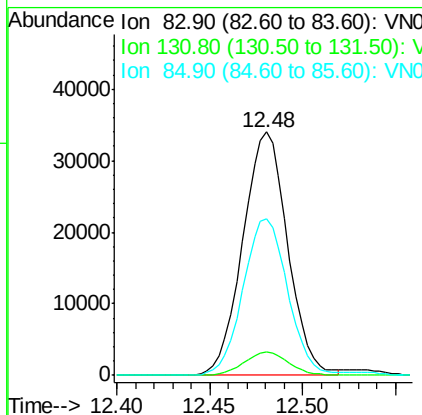
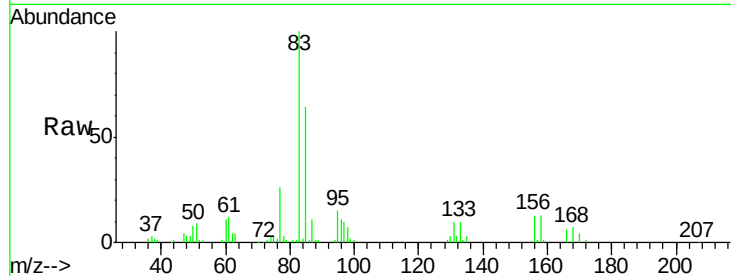
ClientSampleId :

VN0820WBS02

Tot Ion:	83	Resp:	57296
Ion Ratio	Lower	Upper	
83	100		
131	9.5	4.9	14.7
85	65.2	31.9	95.5

Manual Integrations
APPROVED

MMDadoda
8/21/2020 9:20:38 AM



#76

1,2,3-Trichloropropane

Concen: 21.368 ug/l m

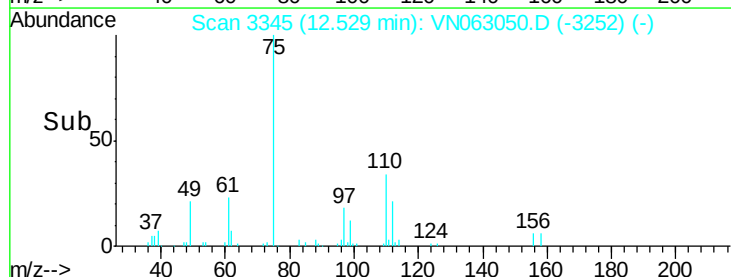
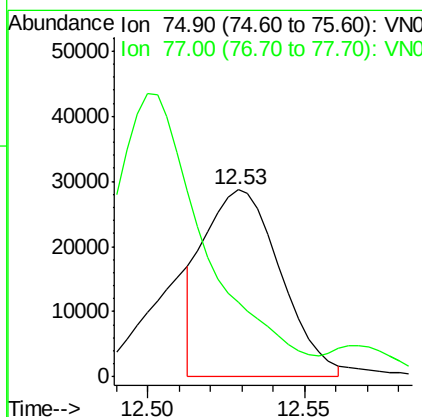
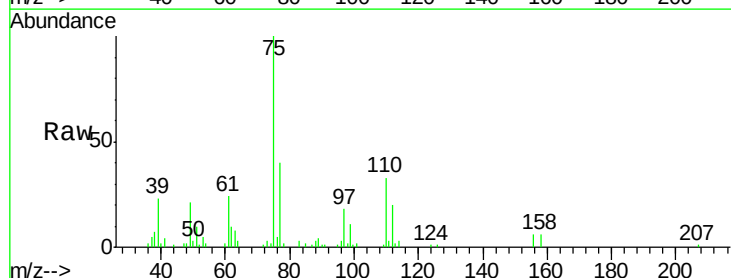
RT: 12.53 min Scan# 3345

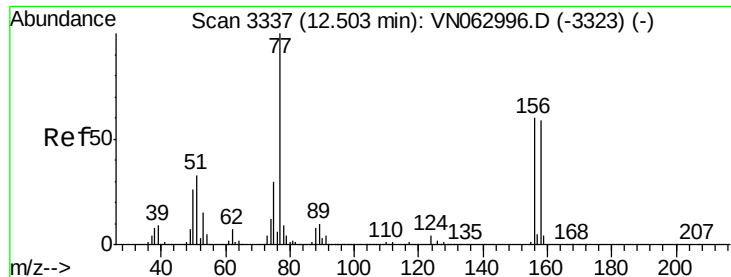
Delta R.T. 0.00 min

Lab File: VN063050.D

Acq: 20 Aug 2020 22:02

Tgt Ion:	75	Resp:	48520
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.294 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN063050.D

Acq: 20 Aug 2020 22:02

Instrument :

MSVOA_N

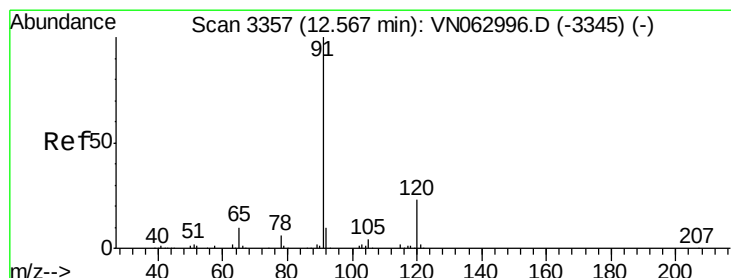
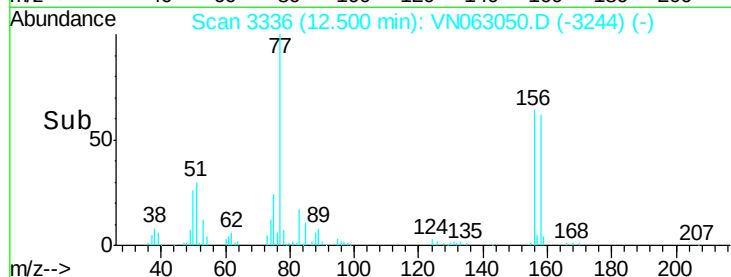
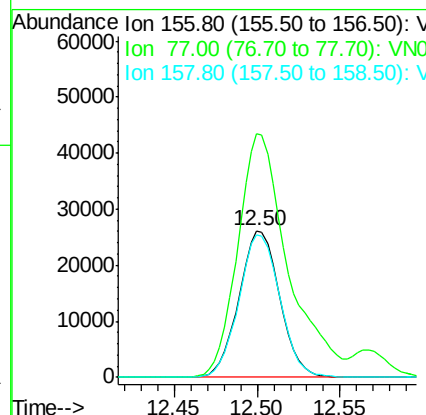
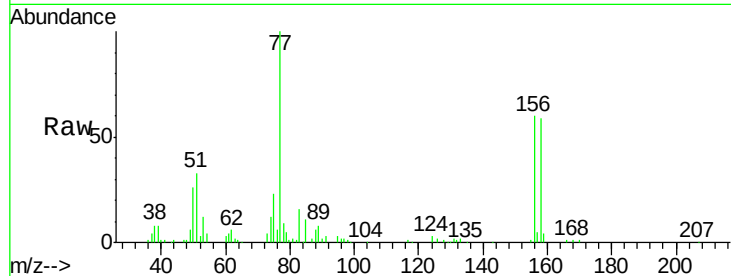
ClientSampleId :

VN0820WBS02

Tot Ion:	156	Resp:	44649
Ion Ratio	Lower	Upper	
156	100		
77	205.7	101.0	302.9
158	98.3	49.4	148.0

Manual Integrations
APPROVED

MMDadoda
8/21/2020 9:20:38 AM



#78

n-propylbenzene

Concen: 21.258 ug/l

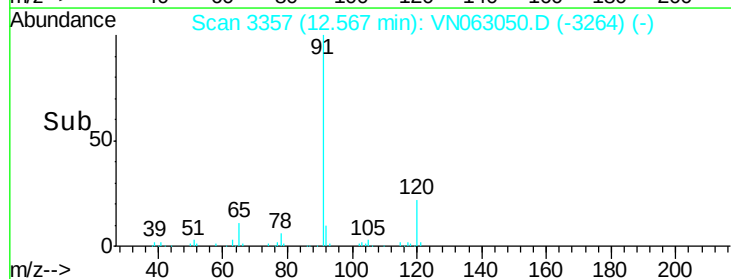
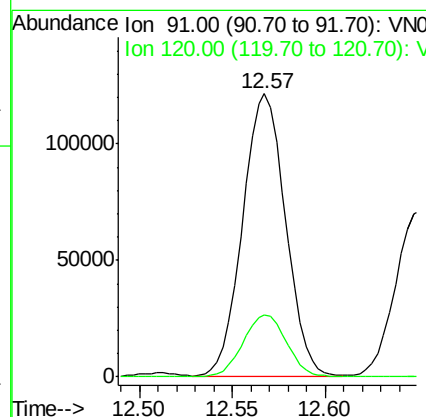
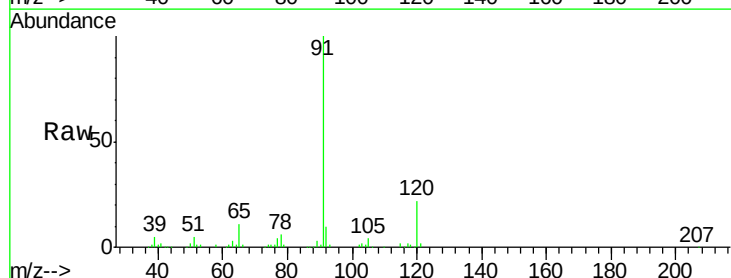
RT: 12.57 min Scan# 3357

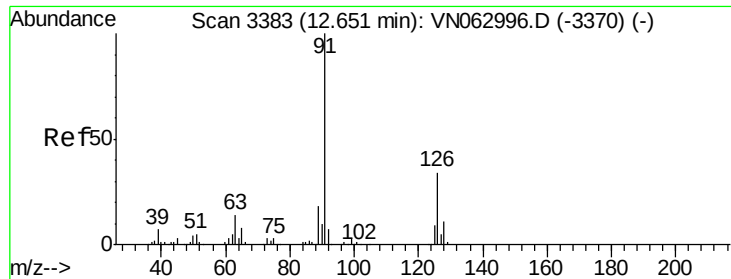
Delta R.T. 0.00 min

Lab File: VN063050.D

Acq: 20 Aug 2020 22:02

Tgt Ion:	91	Resp:	193837
Ion Ratio	Lower	Upper	
91	100		
120	22.4	11.4	34.1





#79

2-Chlorotoluene

Concen: 20.684 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. 0.00 min

Lab File: VN063050.D

Acq: 20 Aug 2020 22:02

Instrument :

MSVOA_N

ClientSampled :

VN0820WBS02

Tot Ion: 91 Resp: 118628

Ion Ratio Lower Upper

91 100

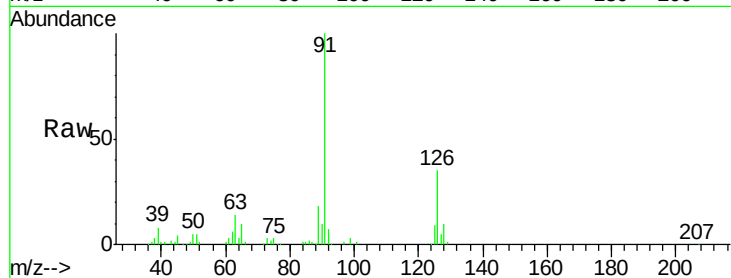
126 34.0 17.1 51.2

Manual Integrations

APPROVED

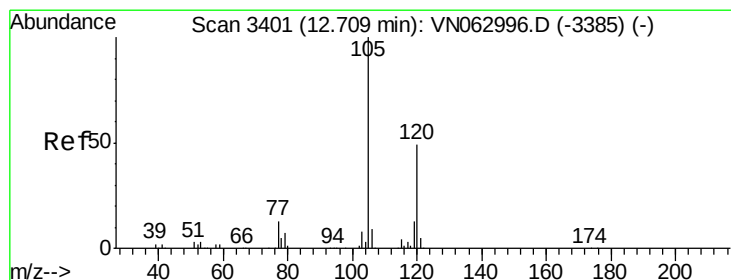
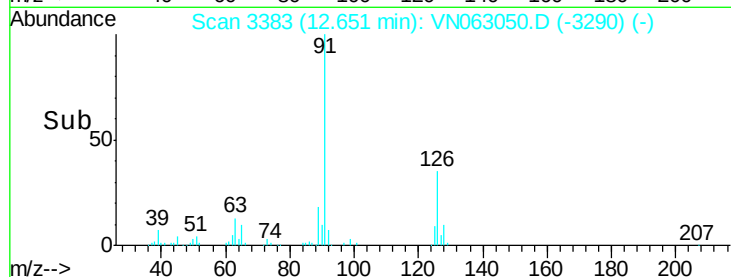
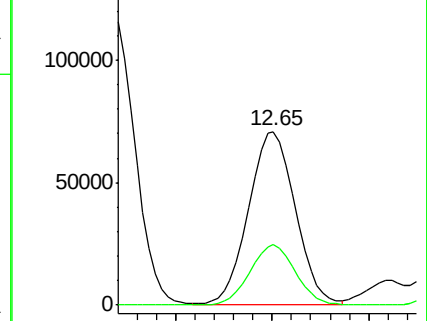
MMDadoda

8/21/2020 9:20:38 AM



Abundance Ion 91.00 (90.70 to 91.70): VN062996.D (-3370) (-)

Ion 125.90 (125.60 to 126.60): VN062996.D (-3370) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.991 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN063050.D

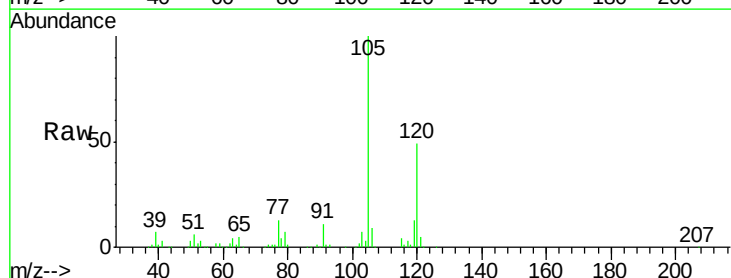
Acq: 20 Aug 2020 22:02

Tgt Ion: 105 Resp: 138813

Ion Ratio Lower Upper

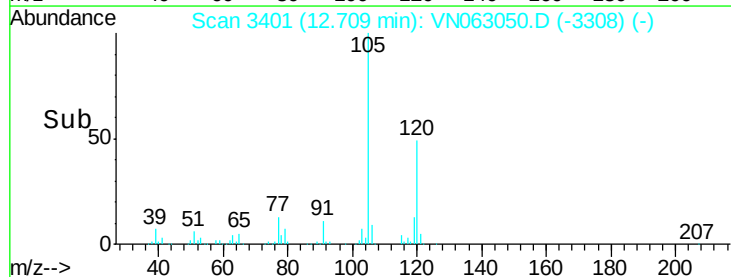
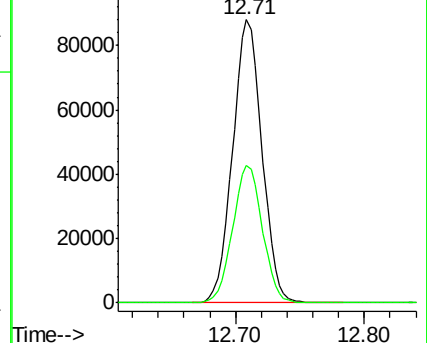
105 100

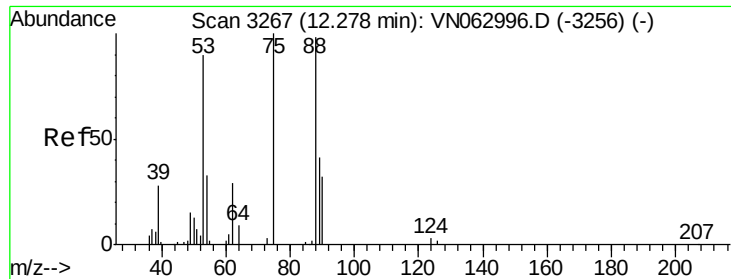
120 49.0 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VN062996.D (-3385) (-)

Ion 120.00 (119.70 to 120.70): VN062996.D (-3385) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.383 ug/l

RT: 12.28 min Scan# 3267

Delta R.T. 0.00 min

Lab File: VN063050.D

Acq: 20 Aug 2020 22:02

Instrument :

MSVOA_N

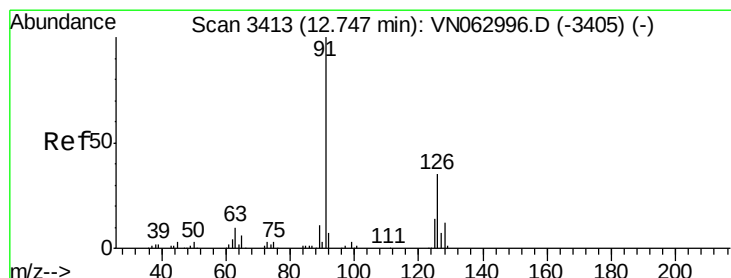
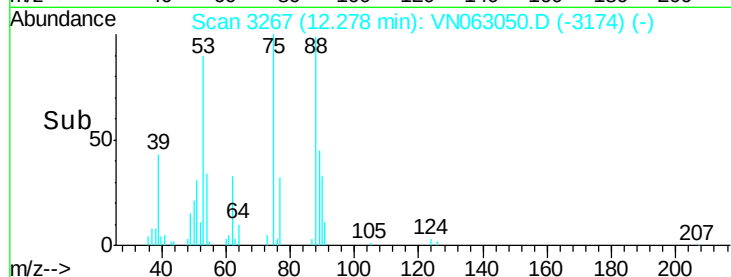
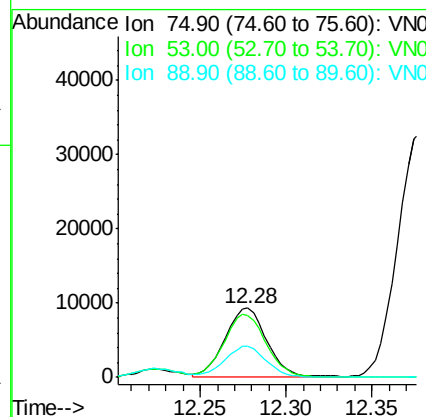
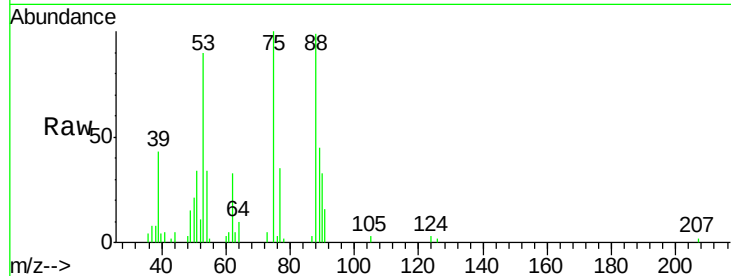
ClientSampleId :

VN0820WBS02

Tot Ion:	75	Resp:	16025
Ion	Ratio	Lower	Upper
75	100		
53	91.0	69.2	103.8
89	44.1	34.2	51.4

Manual Integrations
APPROVED

MMDadoda
8/21/2020 9:20:38 AM



#82

4-Chlorotoluene

Concen: 20.712 ug/l

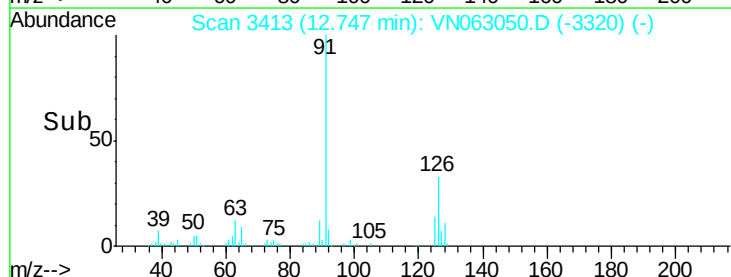
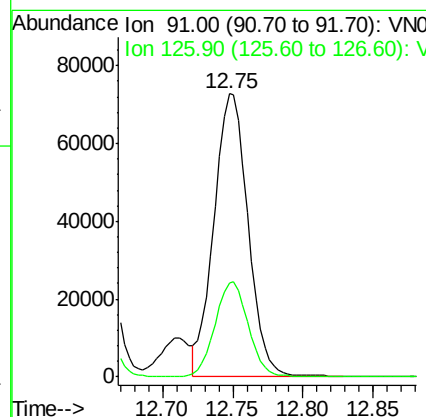
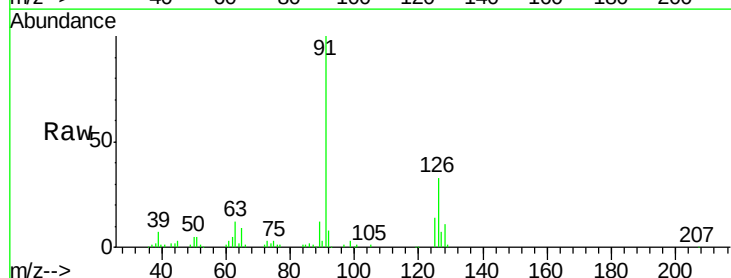
RT: 12.75 min Scan# 3413

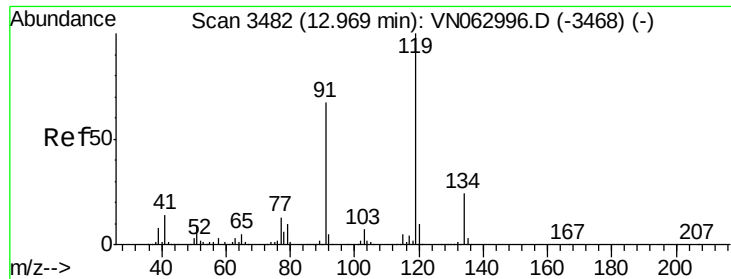
Delta R.T. 0.00 min

Lab File: VN063050.D

Acq: 20 Aug 2020 22:02

Tgt Ion:	91	Resp:	120957
Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.5	49.5





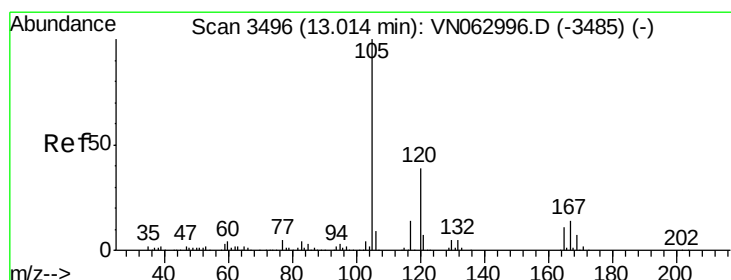
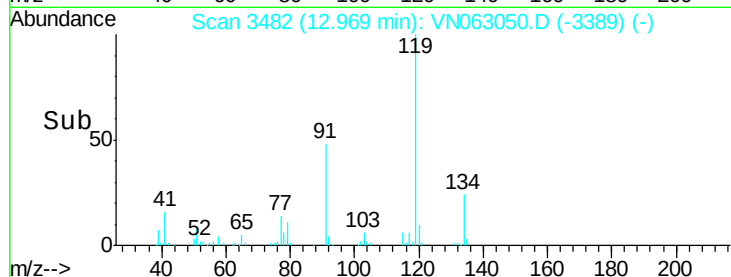
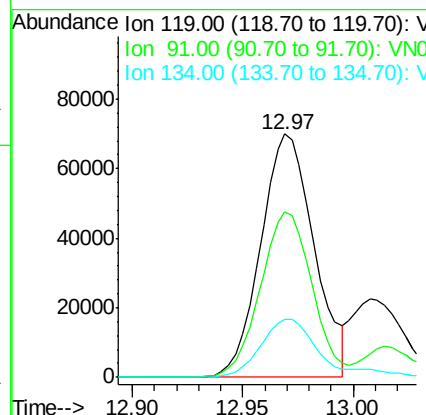
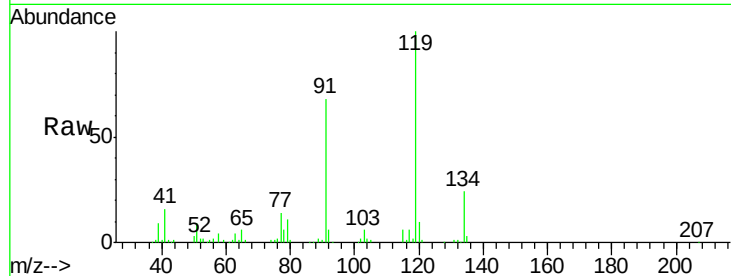
#83
 tert-Butylbenzene
 Concen: 20.593 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. 0.00 min
 Lab File: VN063050.D
 Acq: 20 Aug 2020 22:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	117536		
91	65.9		32.5	97.4
134	24.2		13.1	39.3

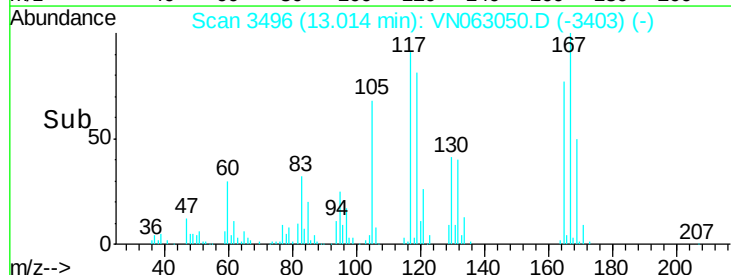
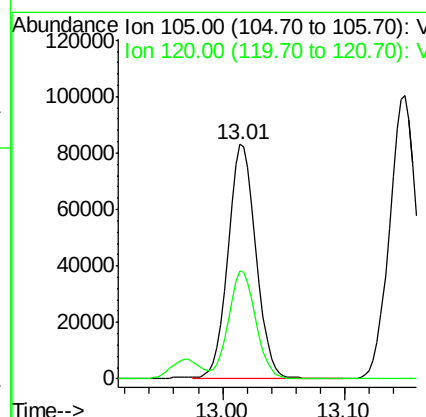
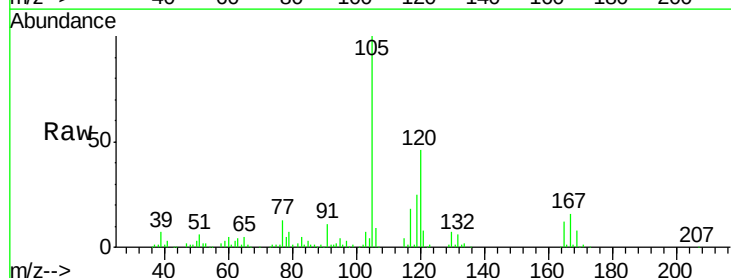
Manual Integrations
 APPROVED

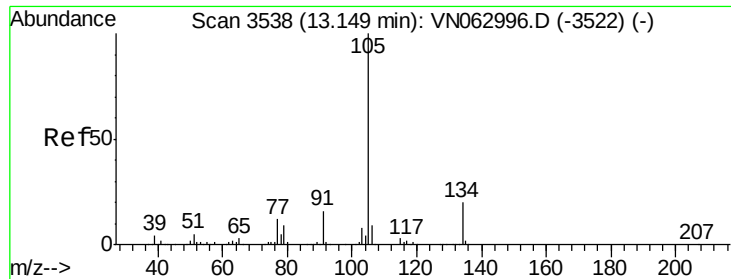
MMDadoda
 8/21/2020 9:20:38 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.752 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. 0.00 min
 Lab File: VN063050.D
 Acq: 20 Aug 2020 22:02

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	133692		
120	44.8		22.5	67.5





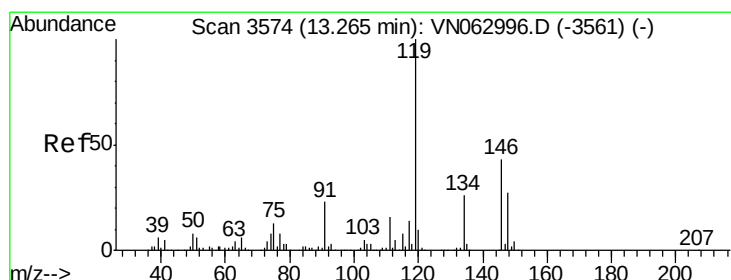
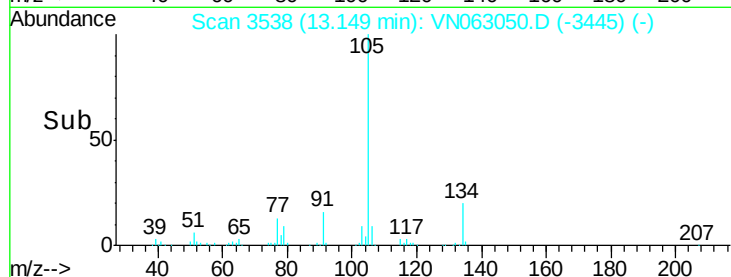
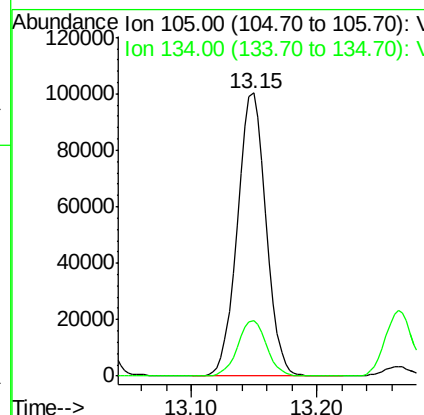
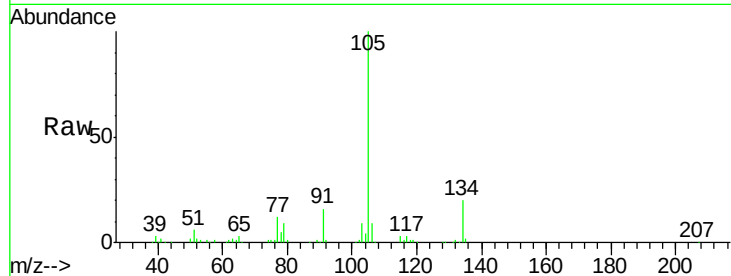
#85
 sec-Butylbenzene
 Concen: 20.593 ug/l
 RT: 13.15 min Scan# 3538
 Delta R.T. 0.00 min
 Lab File: VN063050.D
 Acq: 20 Aug 2020 22:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBS02

Tot Ion	Ratio	Resp	Lower	Upper
105	100	158849		
134	19.8	9.8	29.4	

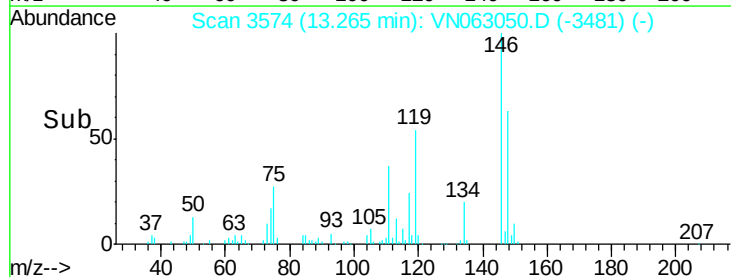
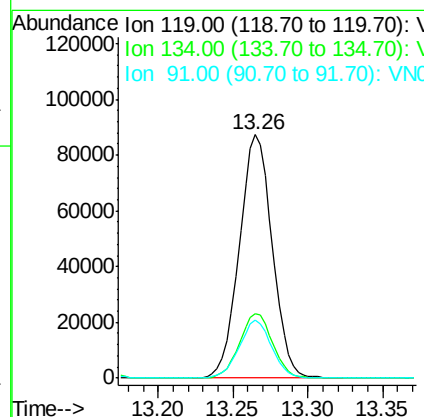
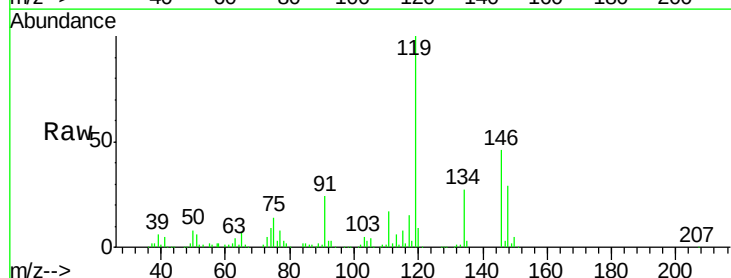
Manual Integrations
 APPROVED

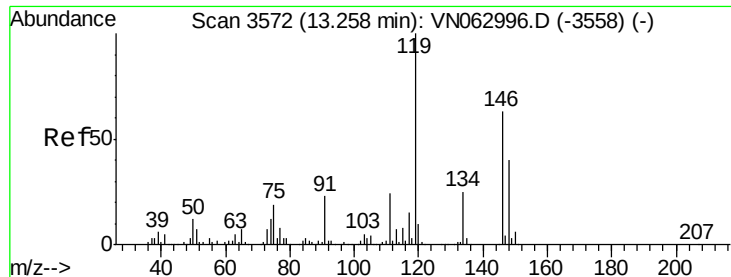
MMDadoda
 8/21/2020 9:20:38 AM



#86
 p-Isopropyltoluene
 Concen: 19.881 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. 0.00 min
 Lab File: VN063050.D
 Acq: 20 Aug 2020 22:02

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	133625		
134	26.8	13.1	39.3	
91	23.7	11.5	34.4	





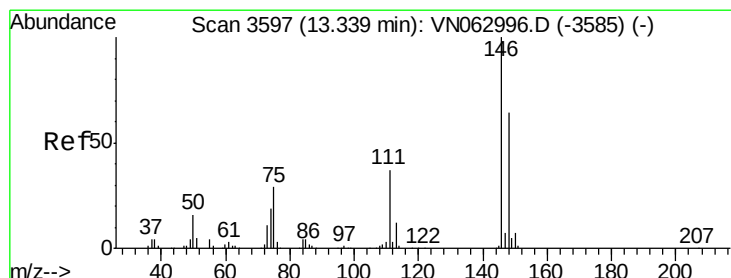
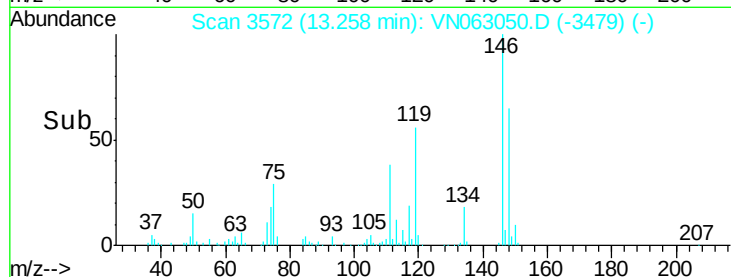
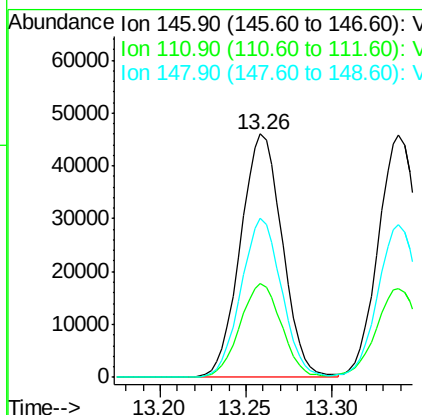
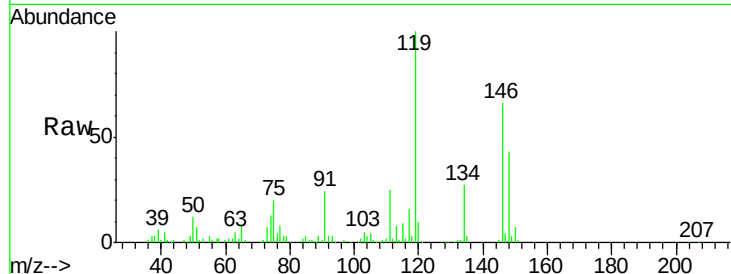
#87
 1,3-Dichlorobenzene
 Concen: 20.603 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN063050.D
 Acq: 20 Aug 2020 22:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.4	58.1
148	63.1	32.0	96.0

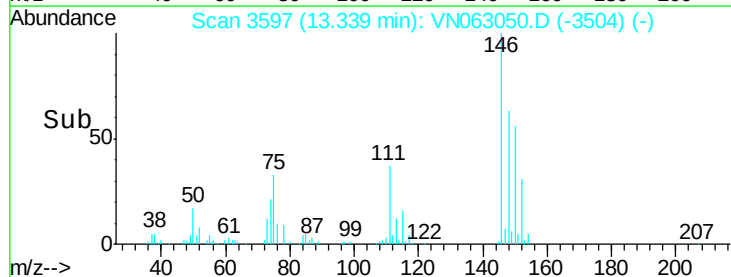
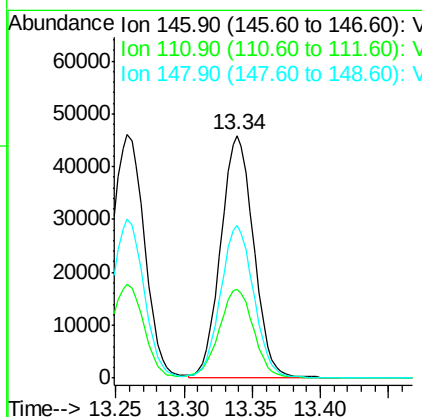
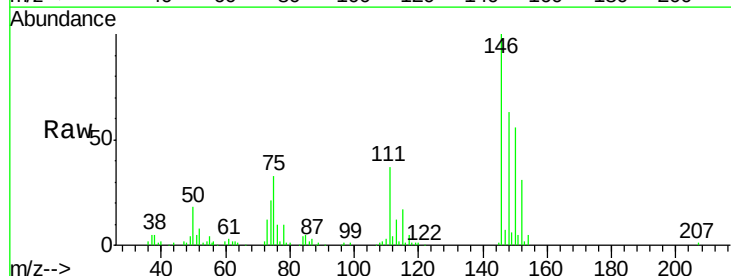
Manual Integrations
 APPROVED

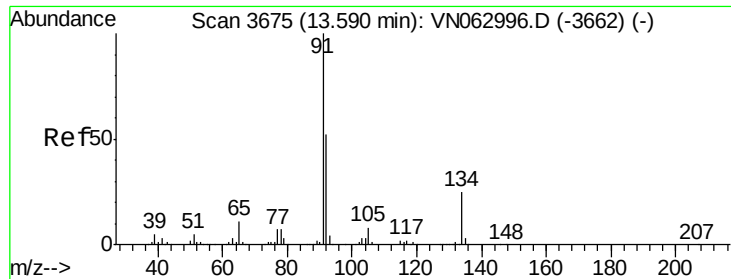
MMDadoda
 8/21/2020 9:20:38 AM



#88
 1,4-Dichlorobenzene
 Concen: 20.077 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN063050.D
 Acq: 20 Aug 2020 22:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	18.8	56.4
148	63.6	32.4	97.0





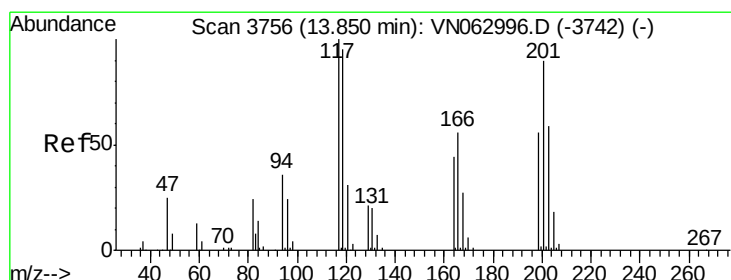
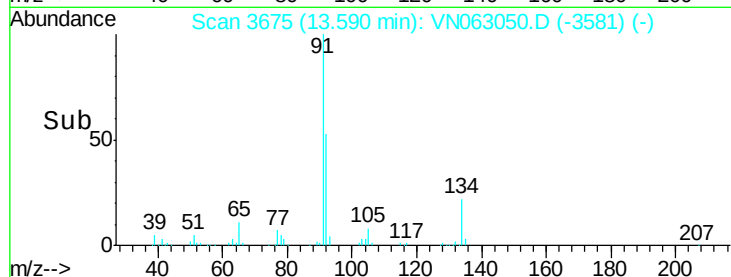
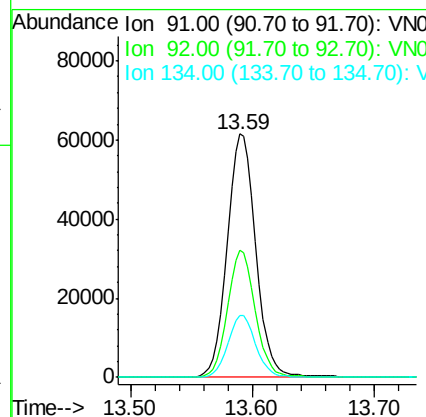
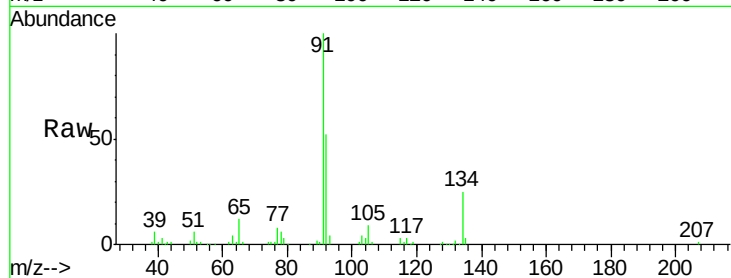
#89
n-Butylbenzene
Concen: 17.830 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN063050.D
Acq: 20 Aug 2020 22:02

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.5	25.9	77.6
134	24.7	12.4	37.0

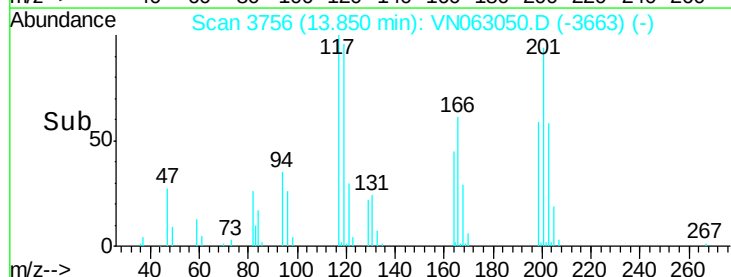
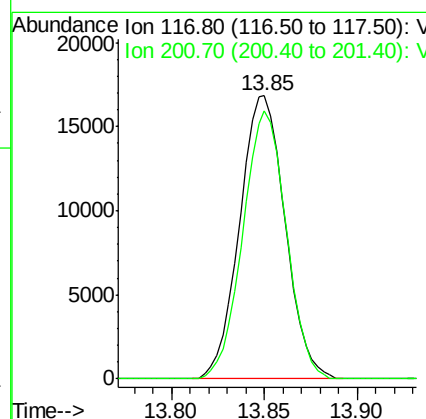
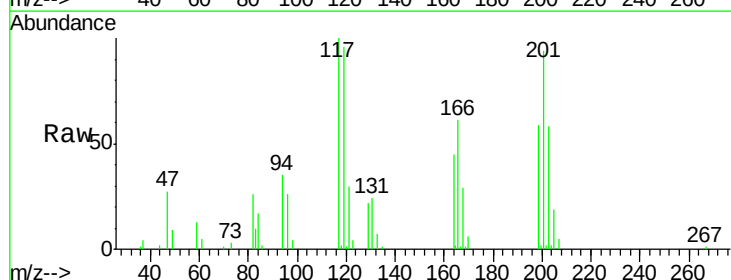
Manual Integrations
APPROVED

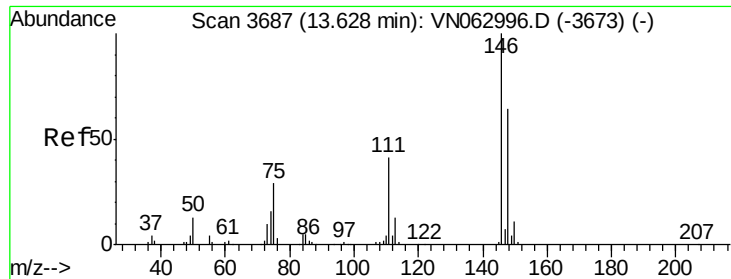
MMDadoda
8/21/2020 9:20:38 AM



#90
Hexachloroethane
Concen: 20.133 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. 0.00 min
Lab File: VN063050.D
Acq: 20 Aug 2020 22:02

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.2	44.1	132.4





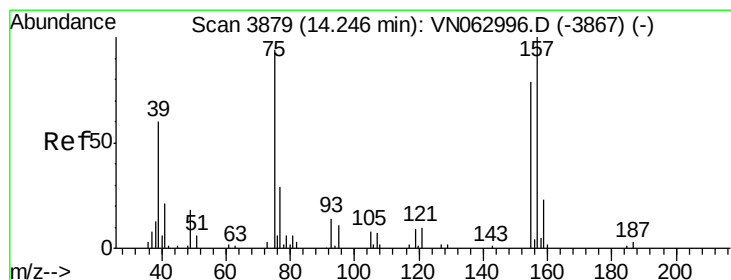
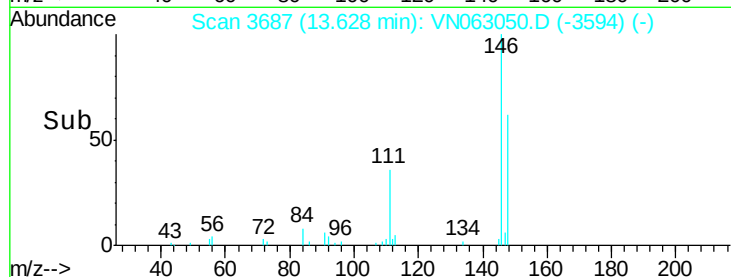
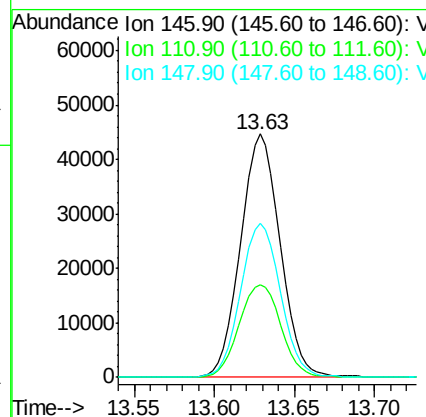
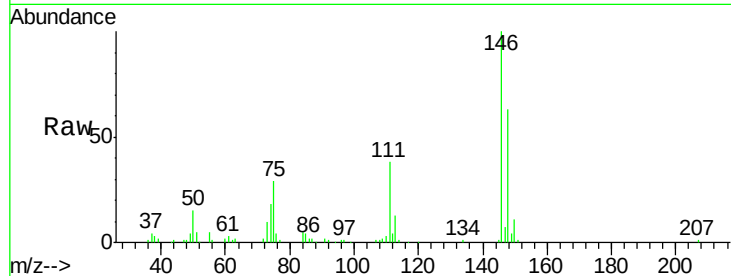
#91
 1,2-Dichlorobenzene
 Concen: 20.649 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN063050.D
 Acq: 20 Aug 2020 22:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.2	60.5
148	63.9	31.9	95.5

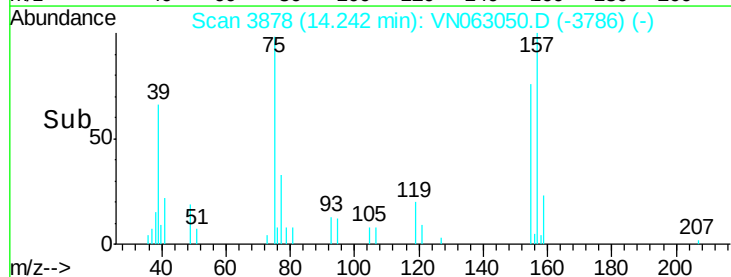
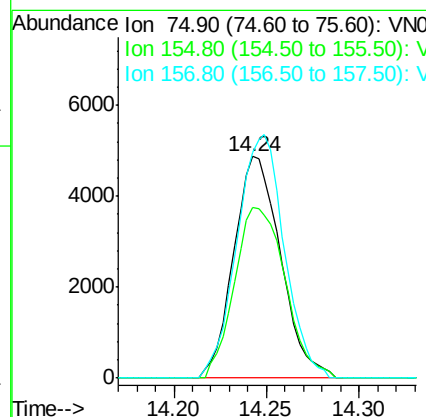
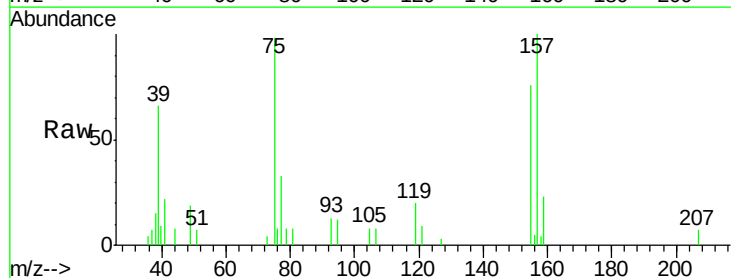
Manual Integrations
 APPROVED

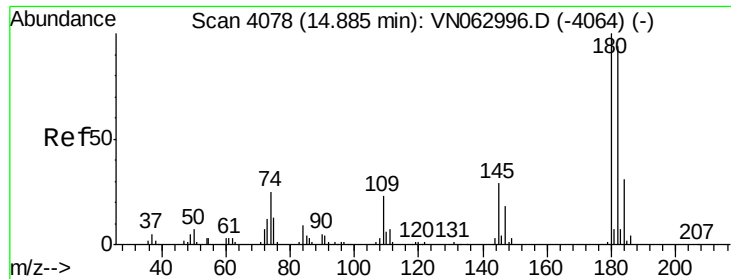
MMDadoda
 8/21/2020 9:20:38 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.304 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. -0.00 min
 Lab File: VN063050.D
 Acq: 20 Aug 2020 22:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.4	42.4	127.1
157	110.6	55.2	165.6





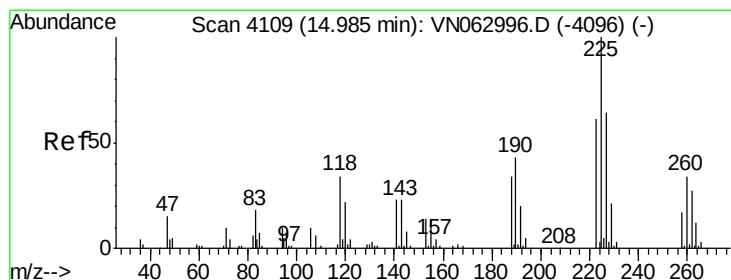
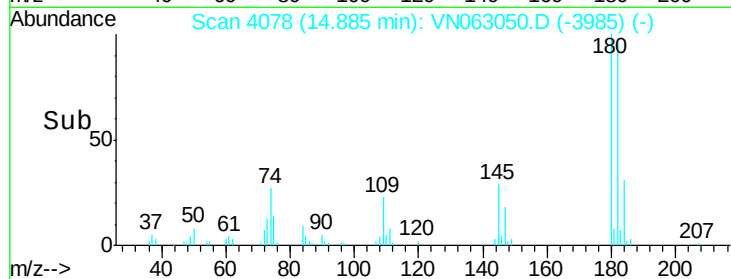
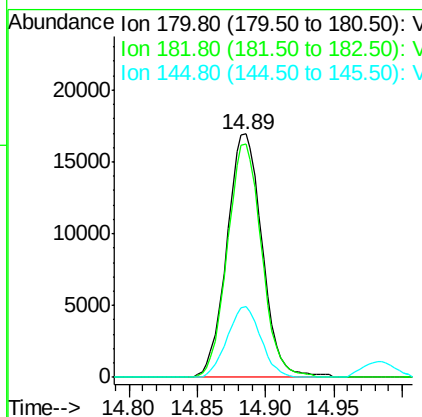
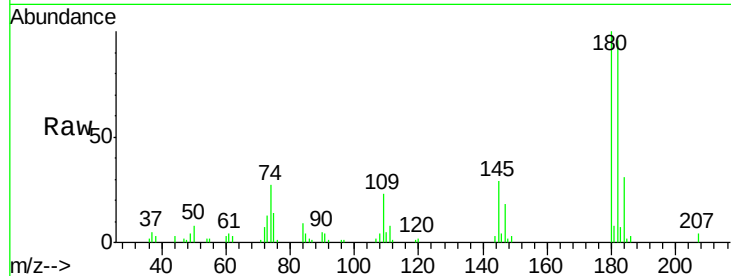
#93
 1,2,4-Trichlorobenzene
 Concen: 18.216 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN063050.D
 Acq: 20 Aug 2020 22:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.9	47.0	141.2
145	27.6	14.1	42.4

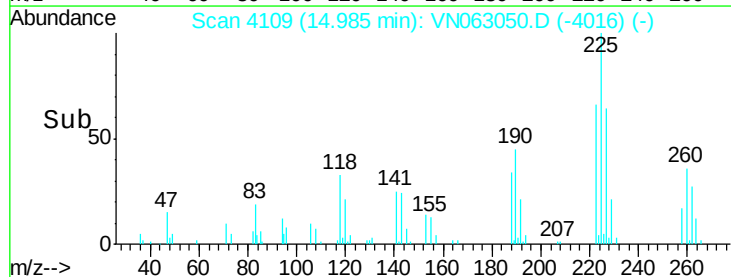
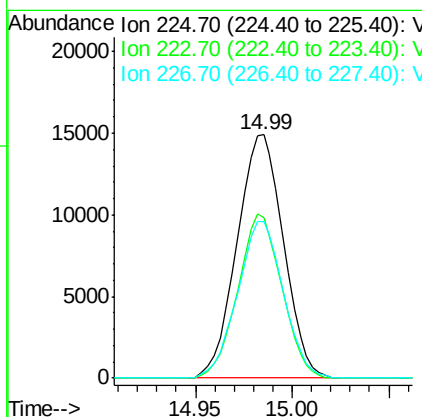
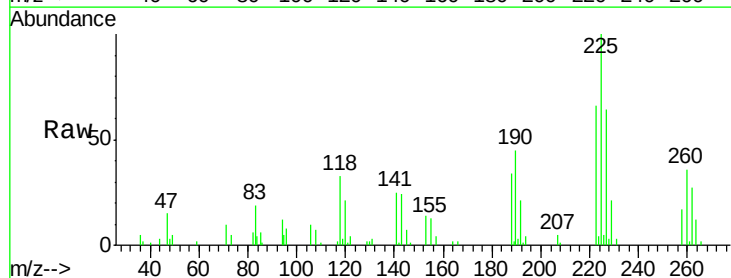
Manual Integrations
 APPROVED

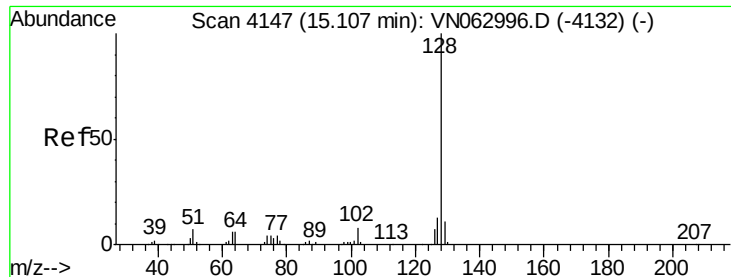
MMDadoda
 8/21/2020 9:20:38 AM



#94
 Hexachlorobutadiene
 Concen: 18.448 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN063050.D
 Acq: 20 Aug 2020 22:02

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.7	30.9	92.5
227	63.4	31.9	95.9





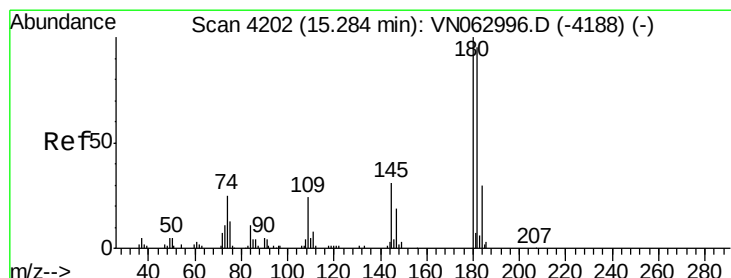
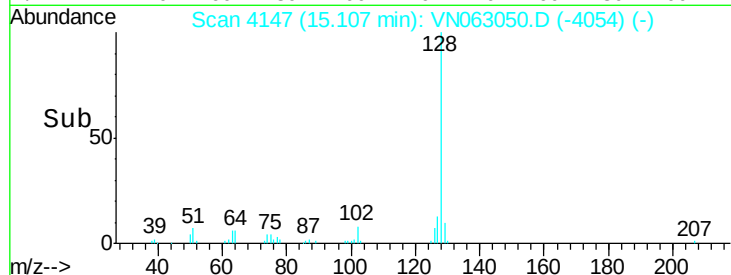
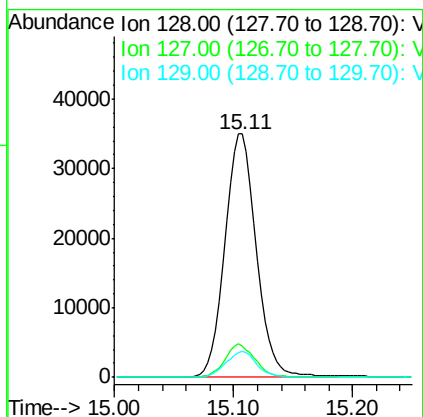
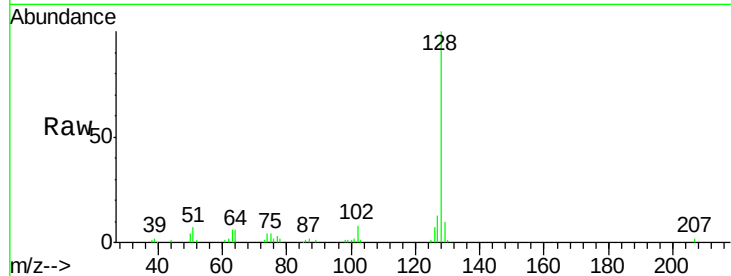
#95
Naphthalene
Concen: 17.847 ug/l
RT: 15.11 min Scan# 4147
Delta R.T. 0.00 min
Lab File: VN063050.D
Acq: 20 Aug 2020 22:02

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.6	16.0
129	10.2	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
8/21/2020 9:20:38 AM



#96
1,2,3-Trichlorobenzene
Concen: 17.748 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. 0.00 min
Lab File: VN063050.D
Acq: 20 Aug 2020 22:02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.0	47.3	141.9
145	31.1	15.6	46.7

