

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092420\
 Data File : VN063650.D
 Acq On : 25 Sep 2020 1:02
 Operator : JC/MD
 Sample : VN0924WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0924WBSD02

Manual Integrations
 APPROVED

MMDadoda
 9/28/2020 5:17:32 PM

Quant Time: Sep 25 06:01:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 13:05:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	237669	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	421935	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	387559	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	183513	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	193656	47.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.74%	
35) Dibromofluoromethane	7.55	113	135691	46.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.90%	
50) Toluene-d8	10.06	98	500569	45.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.16%	
62) 4-Bromofluorobenzene	12.38	95	186641	46.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	47280	17.559	ug/l	99
3) Chloromethane	2.04	50	60702	17.042	ug/l	99
4) Vinyl Chloride	2.17	62	59265	18.779	ug/l	96
5) Bromomethane	2.54	94	39951	21.321	ug/l	97
6) Chloroethane	2.68	64	39225	20.248	ug/l	99
7) Trichlorofluoromethane	2.99	101	94725	20.118	ug/l	99
8) Diethyl Ether	3.37	74	34185	18.624	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	49223	18.589	ug/l	96
10) Methyl Iodide	3.91	142	62208	18.044	ug/l	96
11) Tert butyl alcohol	4.73	59	44991	80.272	ug/l	99
12) 1,1-Dichloroethene	3.70	96	48963	18.256	ug/l	97
13) Acrolein	3.57	56	16058	77.311	ug/l	99
14) Allyl chloride	4.28	41	83426	15.725	ug/l	86
15) Acrylonitrile	4.93	53	132883	93.207	ug/l	100
16) Acetone	3.78	43	125142	96.246	ug/l	100
17) Carbon Disulfide	4.02	76	129826	16.641	ug/l	99
18) Methyl Acetate	4.28	43	66333	20.096	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	182110	18.218	ug/l	98
20) Methylene Chloride	4.51	84	62217	18.886	ug/l	96
21) trans-1,2-Dichloroethene	4.99	96	52983	17.830	ug/l	88
22) Diisopropyl ether	5.91	45	202638	18.728	ug/l	98
23) Vinyl Acetate	5.85	43	810479	91.209	ug/l	98
24) 1,1-Dichloroethane	5.80	63	111697	18.909	ug/l	98
25) 2-Butanone	6.78	43	185168	92.596	ug/l	100
26) 2,2-Dichloropropane	6.78	77	74034	14.235	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	63724	18.946	ug/l	98
28) Bromochloromethane	7.15	49	54145	19.852	ug/l	98
29) Tetrahydrofuran	7.16	42	120475	88.210	ug/l	99
30) Chloroform	7.33	83	116671	19.686	ug/l	99
31) Cyclohexane	7.62	56	92239	16.508	ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	101763	19.305	ug/l	97
36) 1,1-Dichloropropene	7.76	75	79901	17.775	ug/l	100
37) Ethyl Acetate	6.88	43	80322	18.206	ug/l	97
38) Carbon Tetrachloride	7.74	117	86977	18.955	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092420\
 Data File : VN063650.D
 Acq On : 25 Sep 2020 1:02
 Operator : JC/MD
 Sample : VN0924WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0924WBSD02

Manual Integrations
 APPROVED

MMDadoda
 9/28/2020 5:17:32 PM

Quant Time: Sep 25 06:01:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 13:05:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	74531	15.277	ug/l	97
40) Benzene	8.00	78	238589	18.593	ug/l	100
41) Methacrylonitrile	7.14	41	42894m	21.617	ug/l	
42) 1,2-Dichloroethane	8.09	62	101125	19.597	ug/l	97
43) Isopropyl Acetate	8.13	43	139444	17.676	ug/l #	90
44) Trichloroethene	8.80	130	60974	19.591	ug/l	100
45) 1,2-Dichloropropane	9.09	63	66141	18.925	ug/l	99
46) Dibromomethane	9.18	93	44515	19.379	ug/l	98
47) Bromodichloromethane	9.37	83	92017	19.283	ug/l	97
48) Methyl methacrylate	9.17	41	66843	17.246	ug/l	97
49) 1,4-Dioxane	9.16	88	18384	330.531	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	413546	93.639	ug/l	99
52) Toluene	10.13	92	146744	19.021	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	91657	17.205	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	96681	17.205	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	60766	19.829	ug/l	98
56) Ethyl methacrylate	10.40	69	81651	17.068	ug/l	96
57) 1,3-Dichloropropane	10.68	76	103868	18.796	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.67	63	209836	83.615	ug/l	97
59) 2-Hexanone	10.72	43	295176	92.256	ug/l	100
60) Dibromochloromethane	10.87	129	65050	18.790	ug/l	97
61) 1,2-Dibromoethane	10.98	107	61555	19.334	ug/l	99
64) Tetrachloroethene	10.60	164	55914	21.188	ug/l	97
65) Chlorobenzene	11.41	112	155360	18.885	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	58596	19.431	ug/l	98
67) Ethyl Benzene	11.49	91	282983	18.266	ug/l	99
68) m/p-Xylenes	11.59	106	209660	37.534	ug/l	98
69) o-Xylene	11.92	106	98451	18.502	ug/l	98
70) Styrene	11.94	104	170499	19.107	ug/l	98
71) Bromoform	12.10	173	41436	18.444	ug/l #	98
73) Isopropylbenzene	12.23	105	269187	18.305	ug/l	100
74) N-amyl acetate	12.05	43	116063	16.673	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	85652	18.811	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	85829m	18.896	ug/l	
77) Bromobenzene	12.50	156	64956	19.636	ug/l	94
78) n-propylbenzene	12.57	91	312414	18.240	ug/l	100
79) 2-Chlorotoluene	12.65	91	189574	18.464	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	227421	18.546	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.28	75	24459	14.763	ug/l	92
82) 4-Chlorotoluene	12.75	91	196478	18.111	ug/l	99
83) tert-Butylbenzene	12.97	119	182395	18.022	ug/l	99
84) 1,2,4-Trimethylbenzene	13.02	105	227163	18.340	ug/l	99
85) sec-Butylbenzene	13.15	105	240197	17.730	ug/l	99
86) p-Isopropyltoluene	13.26	119	212904	17.818	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	118368	19.306	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	114901	18.433	ug/l	98
89) n-Butylbenzene	13.59	91	180706	16.407	ug/l	99
90) Hexachloroethane	13.85	117	37974	16.690	ug/l	97
91) 1,2-Dichlorobenzene	13.63	146	114431	19.010	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.24	75	17886	16.496	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092420\
Data File : VN063650.D
Acq On : 25 Sep 2020 1:02
Operator : JC/MD
Sample : VN0924WBSD02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0924WBSD02

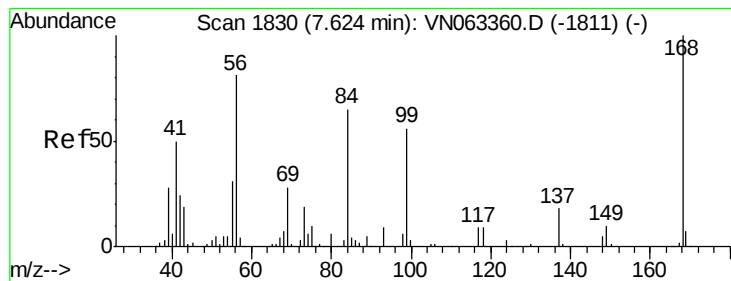
Manual Integrations
APPROVED

MMDadoda
9/28/2020 5:17:32 PM

Quant Time: Sep 25 06:01:03 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 16 13:05:20 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	60061	16.925	ug/l	99
94) Hexachlorobutadiene	14.98	225	28675	19.519	ug/l	99
95) Naphthalene	15.11	128	189069	16.126	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	59172	17.257	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063650.D

Acq: 25 Sep 2020 1:02

Instrument :

MSVOA_N

ClientSampleId :

VN0924WBSD02

Tot Ion:168 Resp: 237669

Ion Ratio Lower Upper

168 100

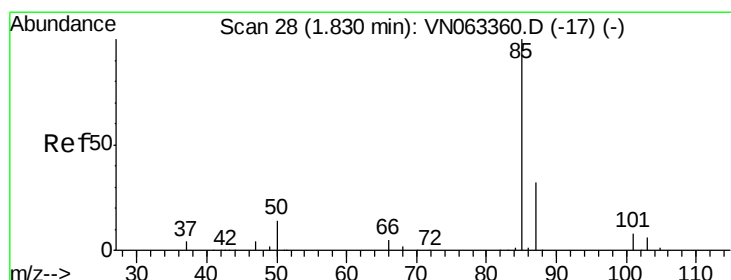
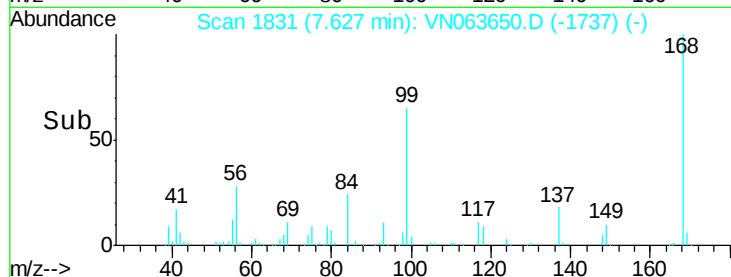
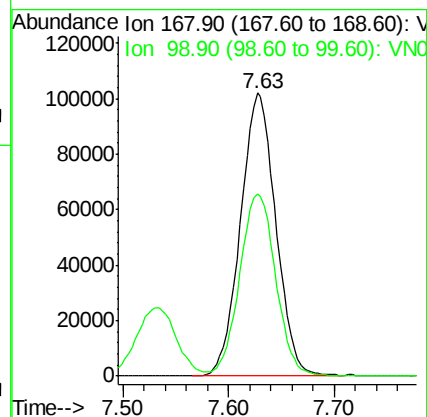
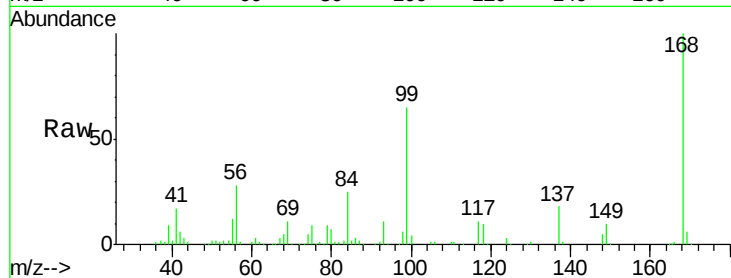
99 64.2 53.0 79.6

Manual Integrations

APPROVED

MMDadoda

9/28/2020 5:17:32 PM



#2

Dichlorodifluoromethane

Concen: 17.559 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN063650.D

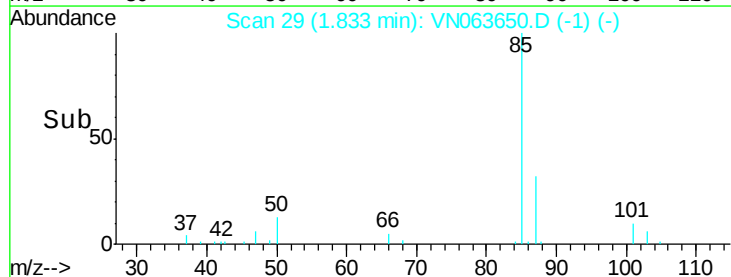
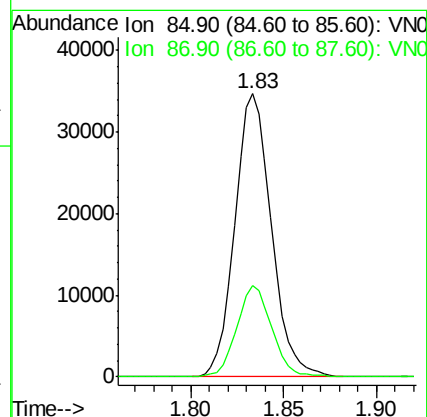
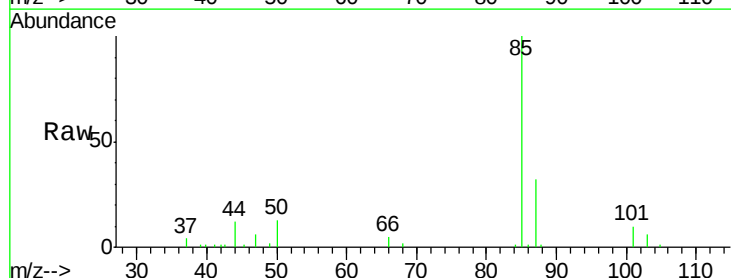
Acq: 25 Sep 2020 1:02

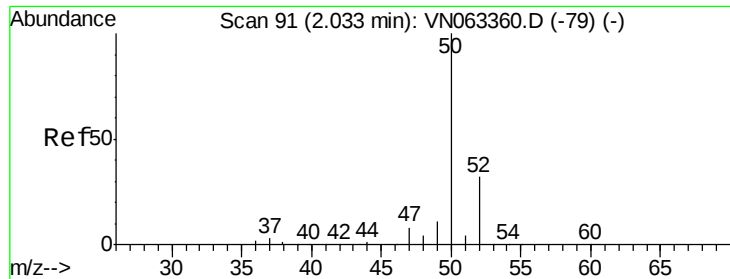
Tgt Ion: 85 Resp: 47280

Ion Ratio Lower Upper

85 100

87 32.2 15.9 47.6





#3

Chloromethane

Concen: 17.042 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.01 min

Lab File: VN063650.D

Acq: 25 Sep 2020 1:02

Instrument :

MSVOA_N

ClientSampleId :

VN0924WBSD02

Tot Ion: 50 Resp: 60702

Ion Ratio Lower Upper

50 100

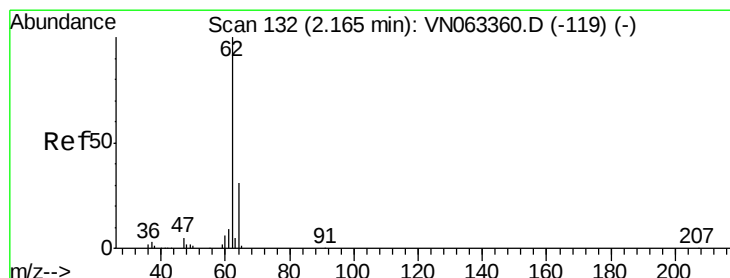
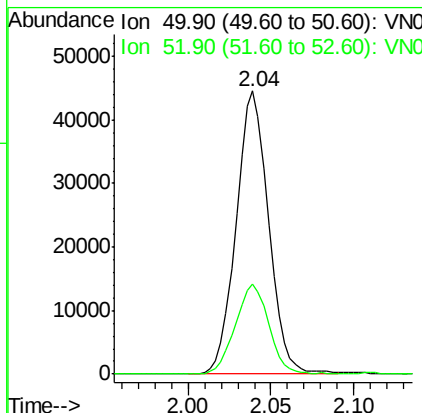
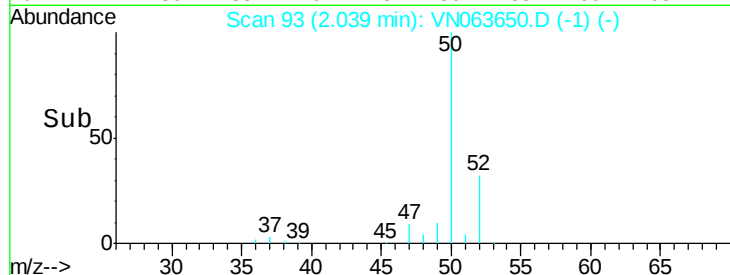
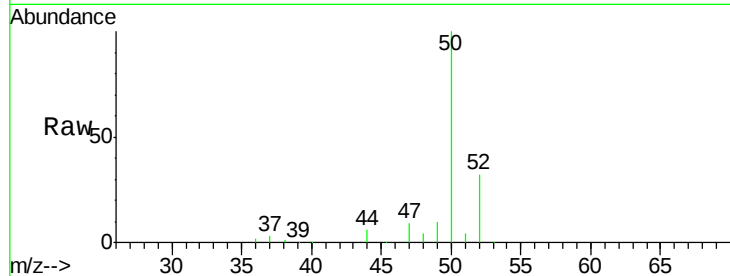
52 31.6 25.9 38.9

Manual Integrations

APPROVED

MMDadoda

9/28/2020 5:17:32 PM



#4

Vinyl Chloride

Concen: 18.779 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN063650.D

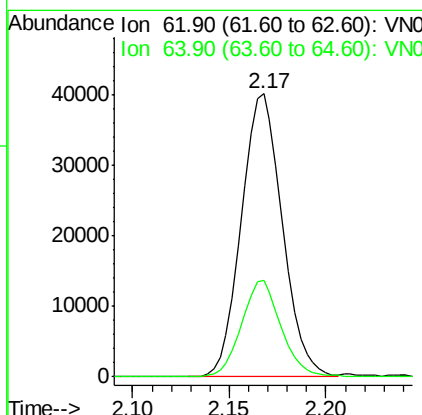
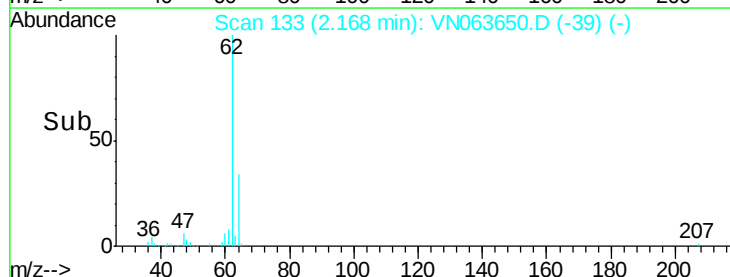
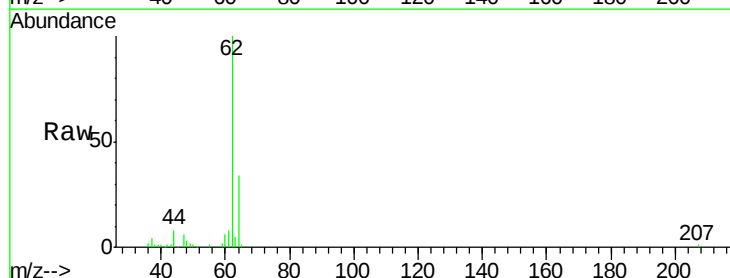
Acq: 25 Sep 2020 1:02

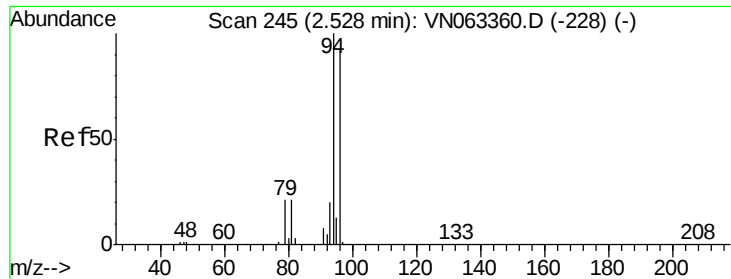
Tgt Ion: 62 Resp: 59265

Ion Ratio Lower Upper

62 100

64 33.9 25.1 37.7





#5

Bromomethane

Concen: 21.321 ug/l

RT: 2.54 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN063650.D

Acq: 25 Sep 2020 1:02

Instrument :

MSVOA_N

ClientSampleId :

VN0924WBSD02

Tot Ion: 94 Resp: 39951

Ion Ratio Lower Upper

94 100

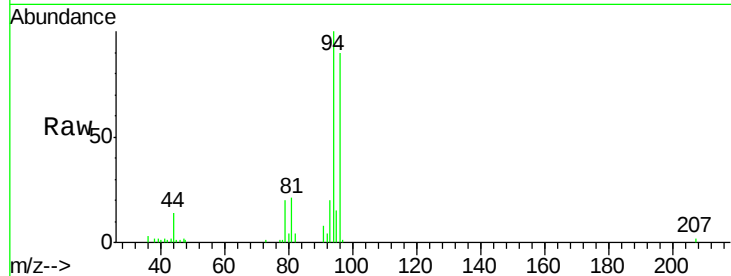
96 90.2 74.5 111.7

Manual Integrations

APPROVED

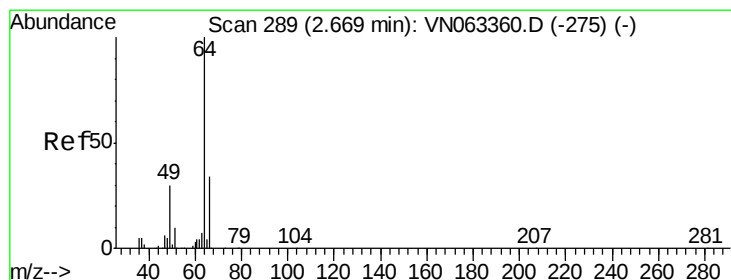
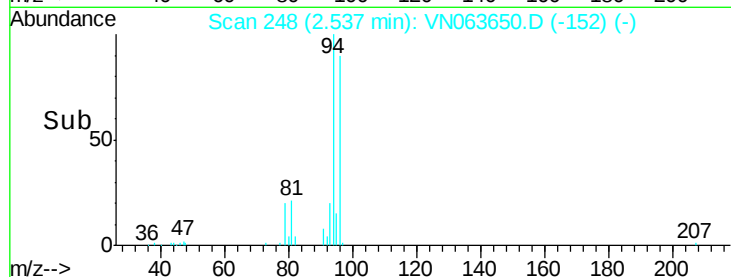
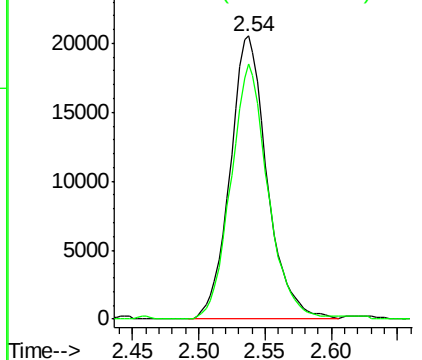
MMDadoda

9/28/2020 5:17:32 PM



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 20.248 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.01 min

Lab File: VN063650.D

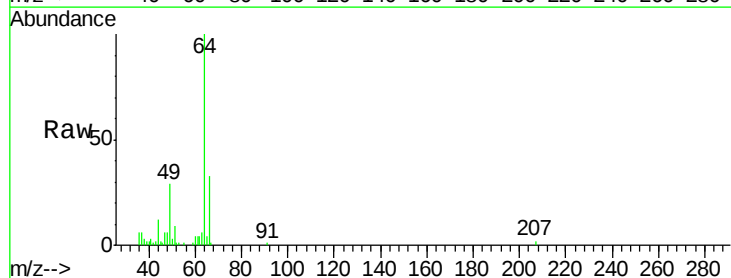
Acq: 25 Sep 2020 1:02

Tgt Ion: 64 Resp: 39225

Ion Ratio Lower Upper

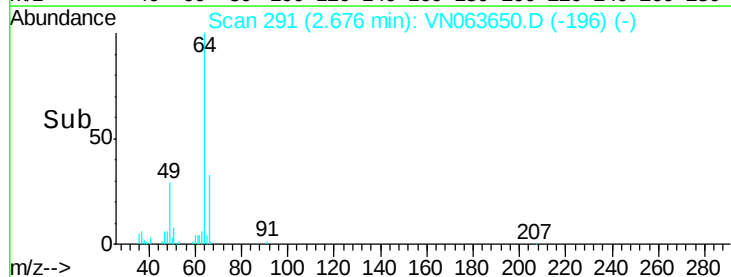
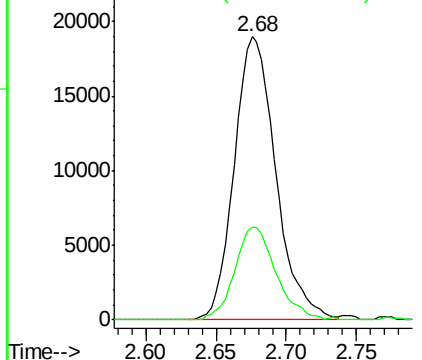
64 100

66 32.9 26.9 40.3



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

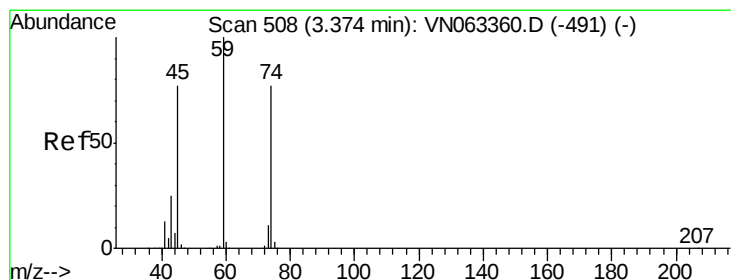
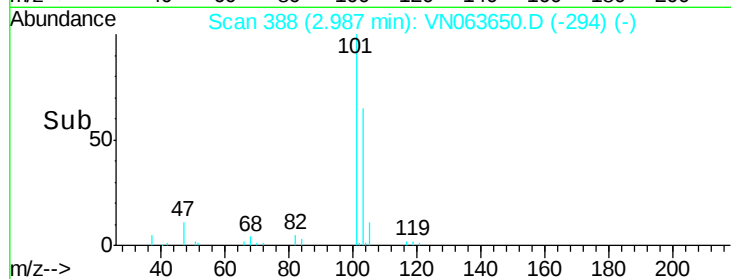
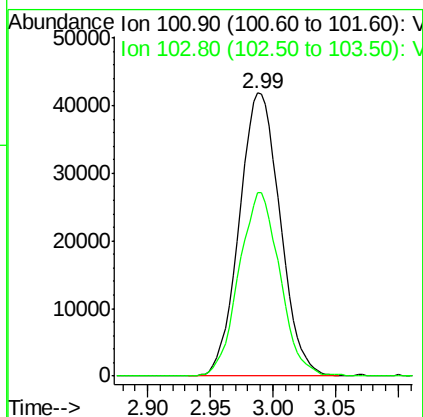
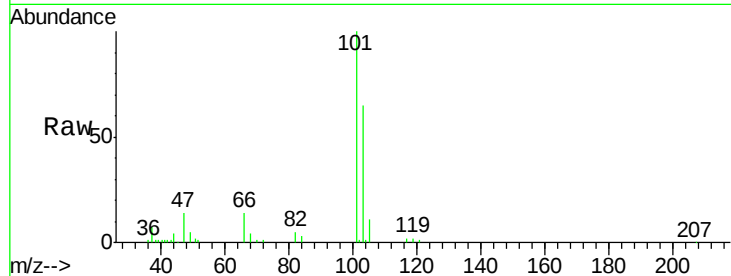
Trichlorofluoromethane
Concen: 20.118 ug/l
RT: 2.99 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN063650.D
Acq: 25 Sep 2020 1:02

Instrument :
MSVOA_N
ClientSampleId :
VN0924WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		94725		
103	64.7	52.3	78.5		

Manual Integrations
APPROVED

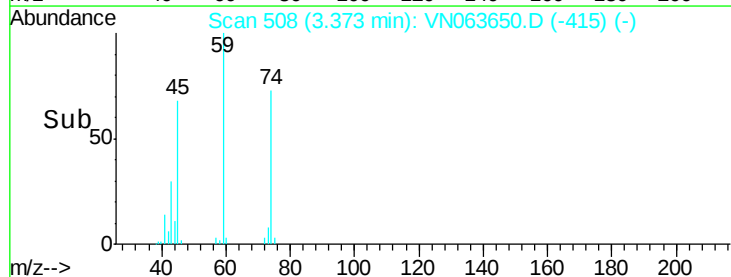
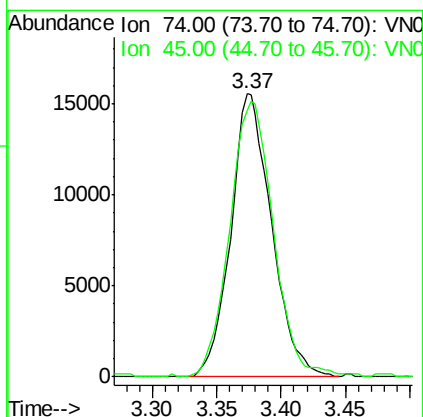
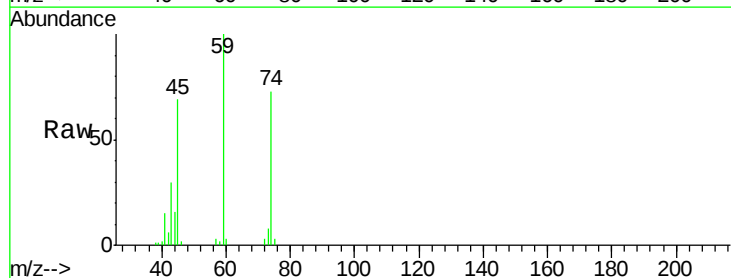
MMDadoda
9/28/2020 5:17:32 PM

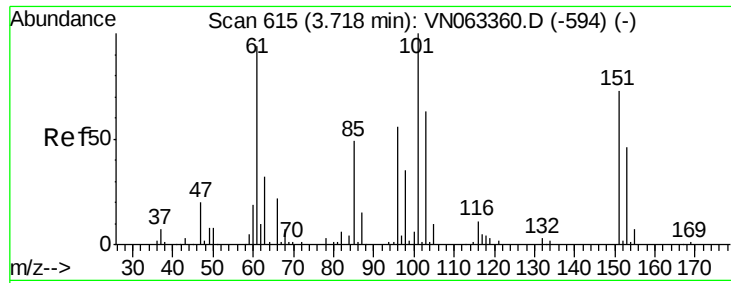


#8

Diethyl Ether
Concen: 18.624 ug/l
RT: 3.37 min Scan# 508
Delta R.T. -0.00 min
Lab File: VN063650.D
Acq: 25 Sep 2020 1:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		34185		
45	104.5	52.1	156.4		





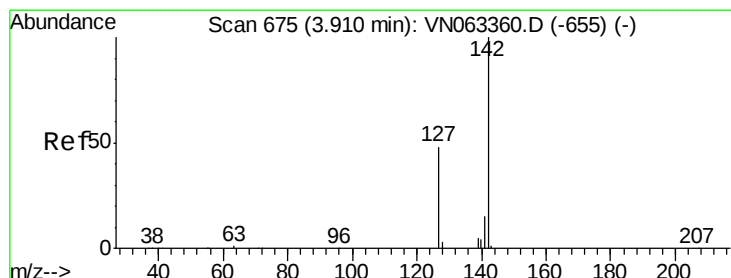
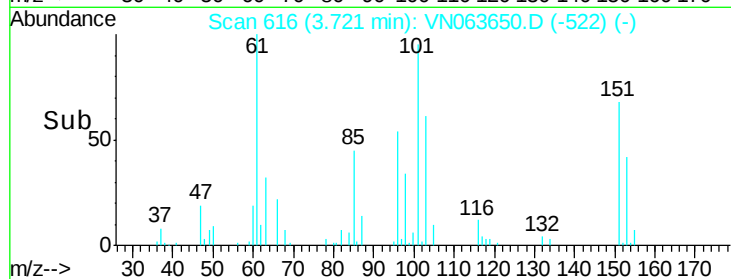
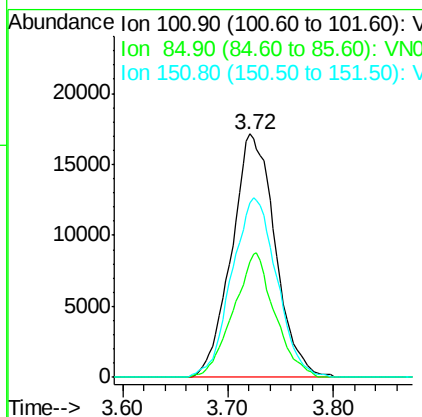
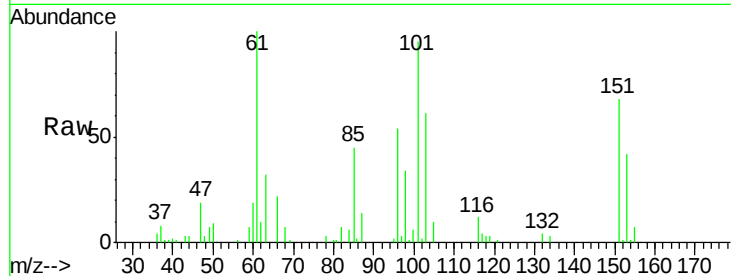
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 18.589 ug/l
 RT: 3.72 min Scan# 616
 Delta R.T. 0.00 min
 Lab File: VN063650.D
 Acq: 25 Sep 2020 1:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0924WBSD02

Tot Ion	Ratio	Lower	Upper
101	100		
85	48.5	37.7	56.5
151	76.1	57.7	86.5

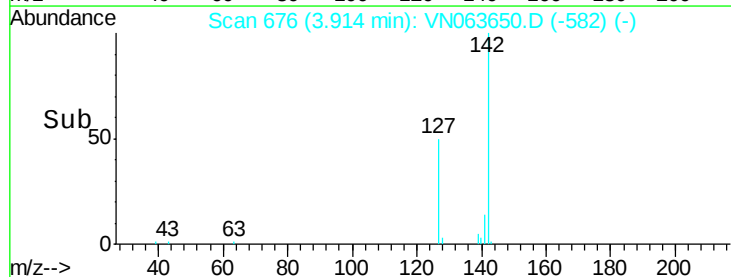
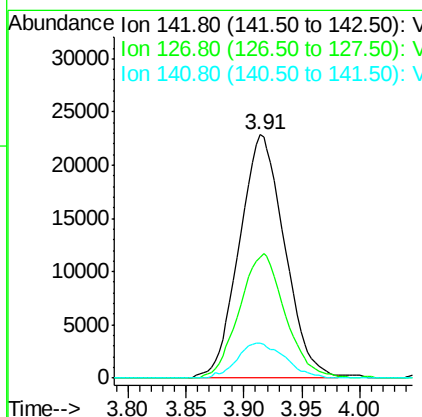
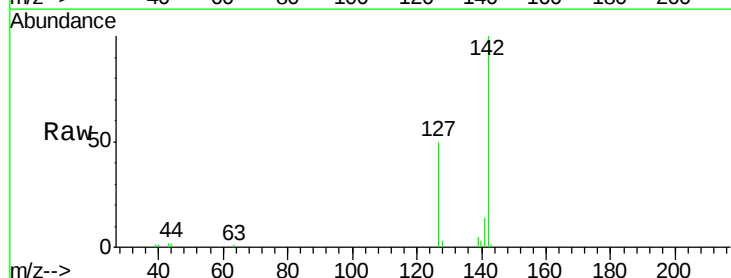
Manual Integrations
 APPROVED

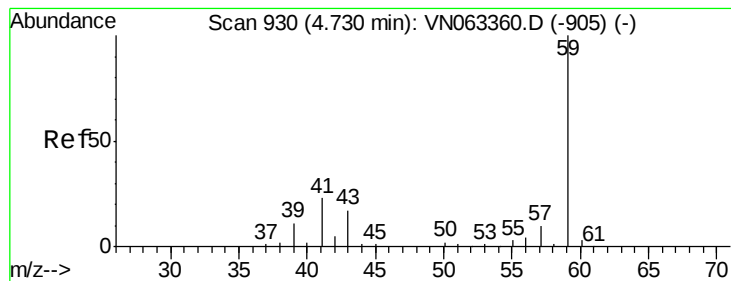
MMDadoda
 9/28/2020 5:17:32 PM



#10
 Methyl Iodide
 Concen: 18.044 ug/l
 RT: 3.91 min Scan# 676
 Delta R.T. 0.00 min
 Lab File: VN063650.D
 Acq: 25 Sep 2020 1:02

Tgt Ion	Ratio	Lower	Upper
142	100		
127	51.7	39.0	58.6
141	15.1	11.6	17.4





#11

Tert butyl alcohol

Concen: 80.272 ug/l

RT: 4.73 min Scan# 930

Delta R.T. -0.00 min

Lab File: VN063650.D

Acq: 25 Sep 2020 1:02

Instrument :

MSVOA_N

ClientSampleId :

VN0924WBSD02

Tot Ion: 59 Resp: 44991

Ion Ratio Lower Upper

59 100

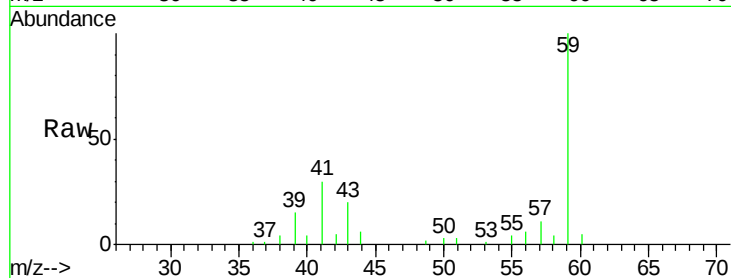
57 10.1 8.4 12.6

Manual Integrations

APPROVED

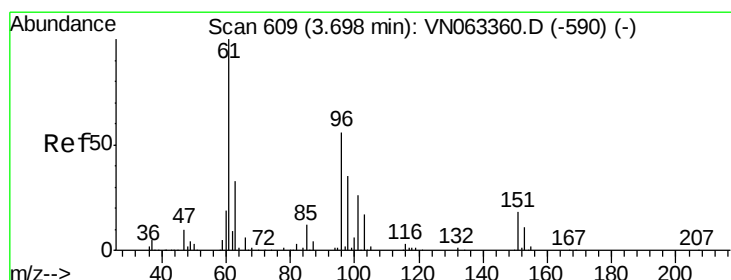
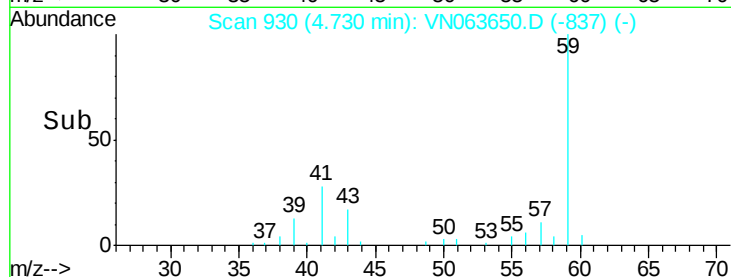
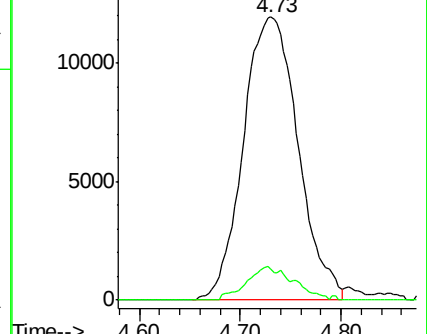
MMDadoda

9/28/2020 5:17:32 PM



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#12

1,1-Dichloroethene

Concen: 18.256 ug/l

RT: 3.70 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN063650.D

Acq: 25 Sep 2020 1:02

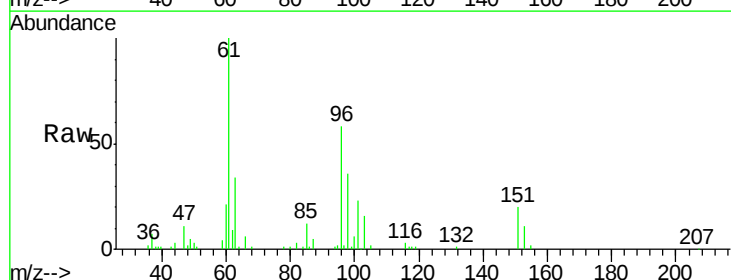
Tgt Ion: 96 Resp: 48963

Ion Ratio Lower Upper

96 100

61 173.4 143.4 215.2

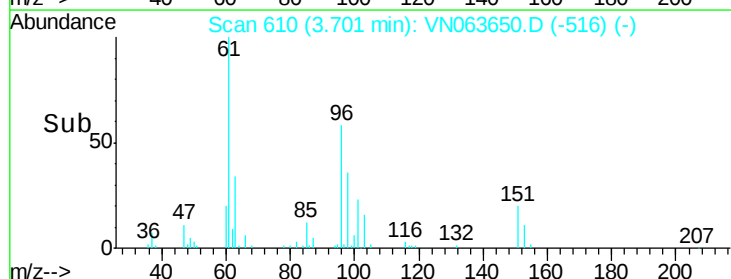
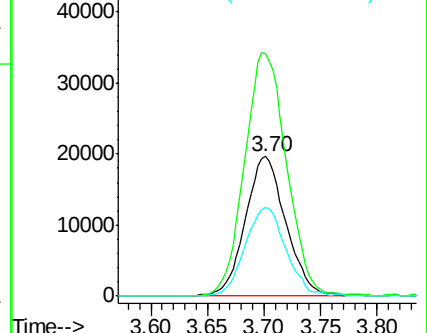
98 63.3 50.6 76.0

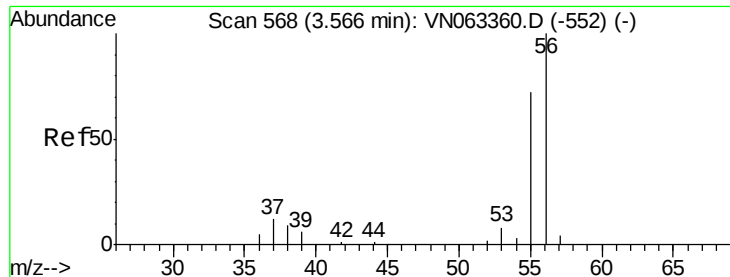


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#13

Acrolein

Concen: 77.311 ug/l

RT: 3.57 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN063650.D

Acq: 25 Sep 2020 1:02

Instrument :

MSVOA_N

ClientSampleId :

VN0924WBSD02

Tot Ion: 56 Resp: 16058

Ion Ratio Lower Upper

56 100

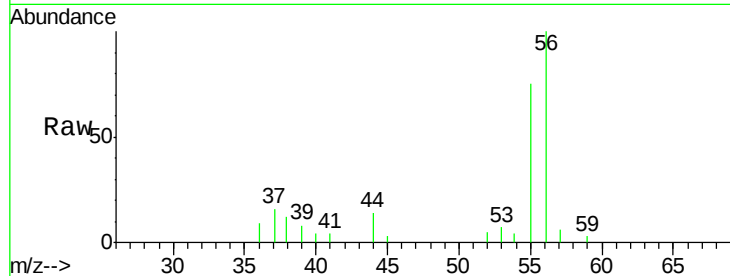
55 72.2 58.2 87.2

Manual Integrations

APPROVED

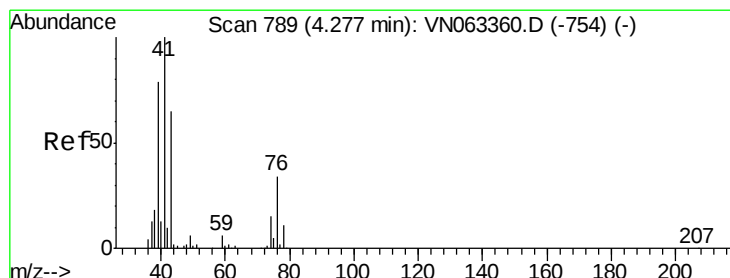
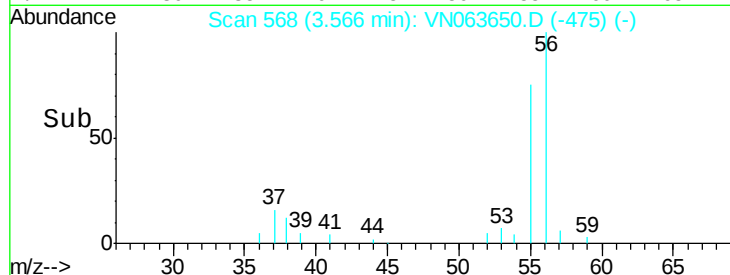
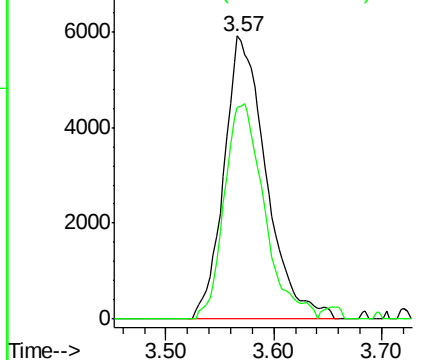
MMDadoda

9/28/2020 5:17:32 PM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 15.725 ug/l

RT: 4.28 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN063650.D

Acq: 25 Sep 2020 1:02

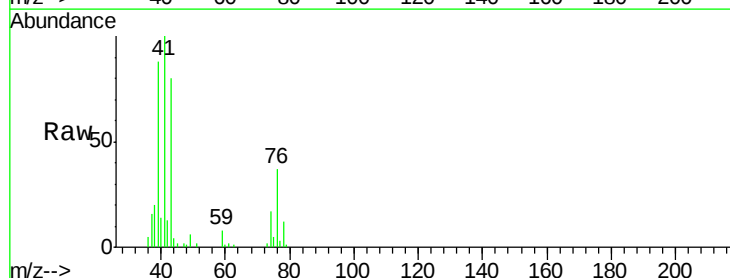
Tgt Ion: 41 Resp: 83426

Ion Ratio Lower Upper

41 100

39 88.4 59.3 88.9

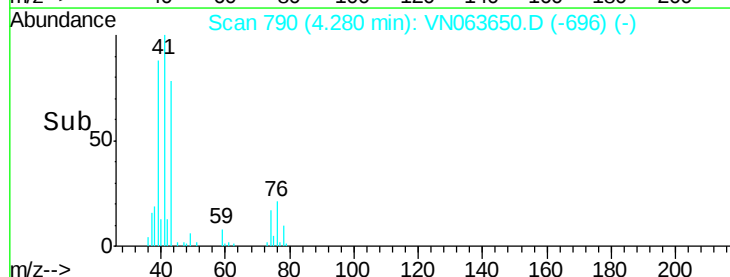
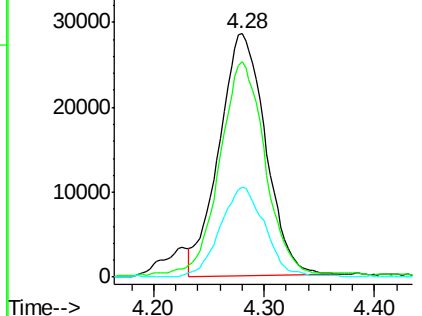
76 35.5 25.3 37.9

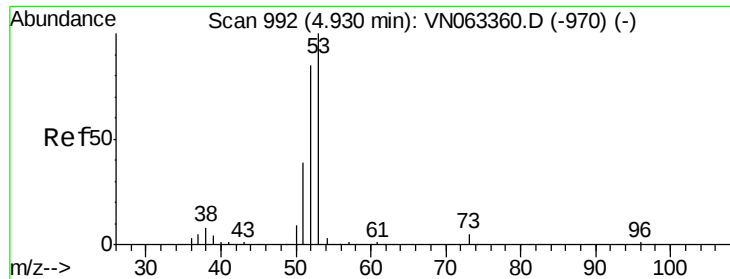


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 93.207 ug/l

RT: 4.93 min Scan# 993

Delta R.T. 0.00 min

Lab File: VN063650.D

Acq: 25 Sep 2020 1:02

Instrument :

MSVOA_N

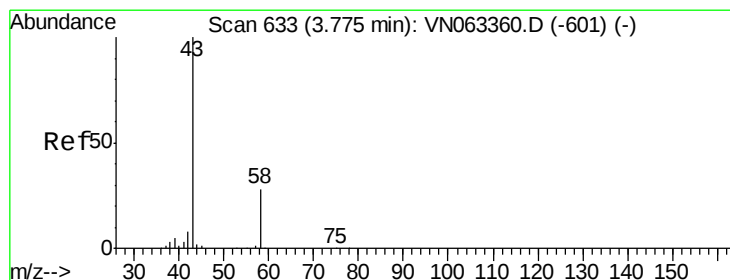
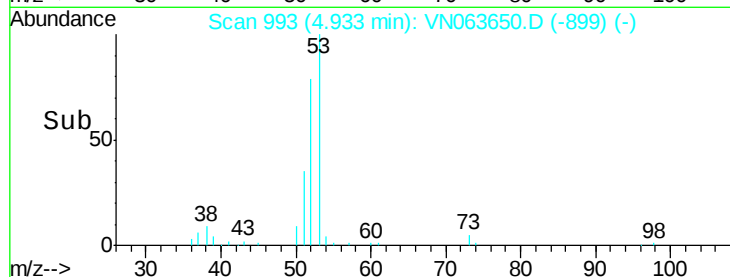
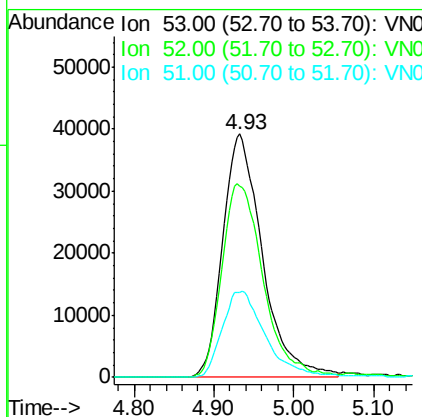
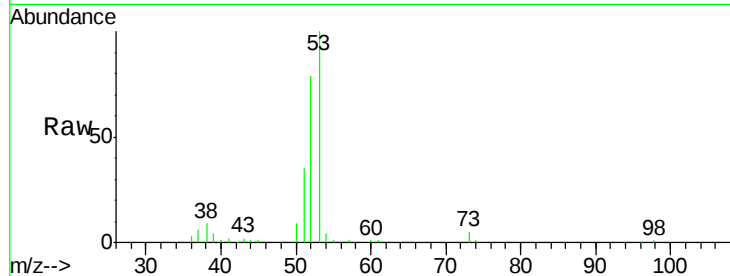
ClientSampleId :

VN0924WBSD02

Tot Ion:	53	Resp:	132883
Ion Ratio	Lower	Upper	
53	100		
52	82.8	66.4	99.6
51	38.1	30.2	45.4

Manual Integrations
APPROVED

MMDadoda
9/28/2020 5:17:32 PM



#16

Acetone

Concen: 96.246 ug/l

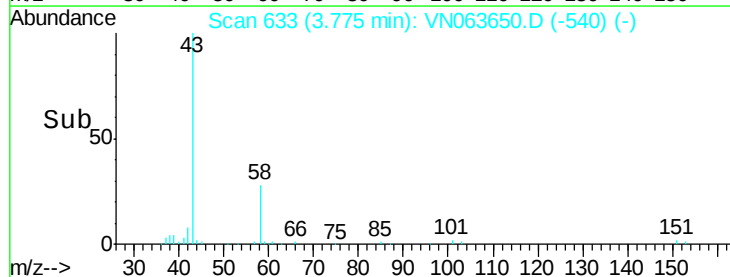
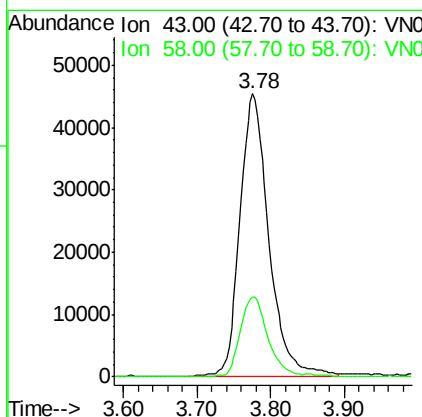
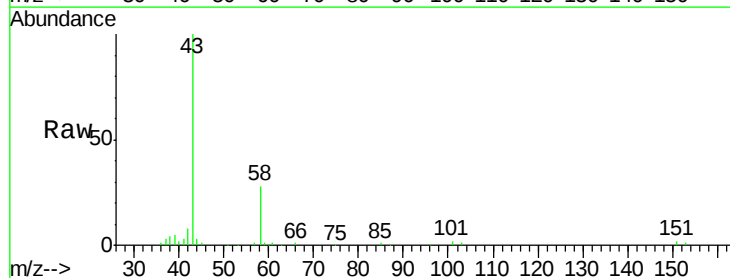
RT: 3.78 min Scan# 633

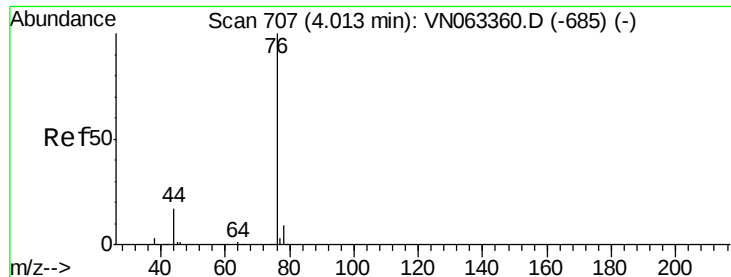
Delta R.T. -0.00 min

Lab File: VN063650.D

Acq: 25 Sep 2020 1:02

Tgt Ion:	43	Resp:	125142
Ion Ratio	Lower	Upper	
43	100		
58	28.1	22.3	33.5





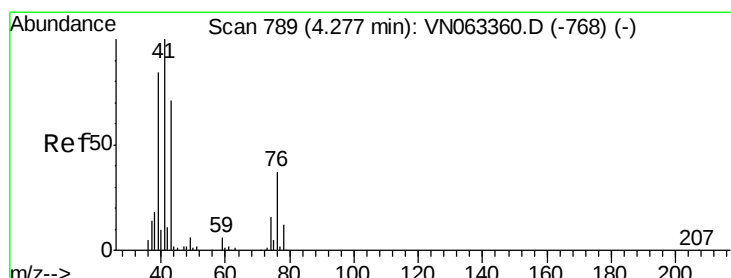
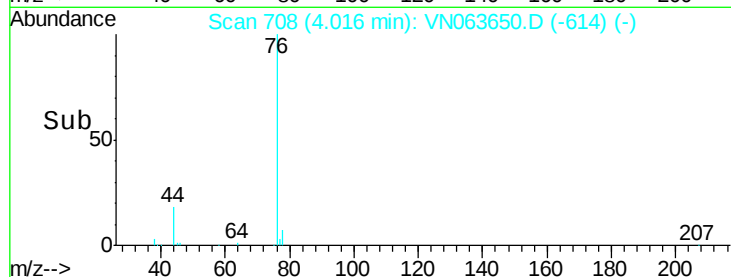
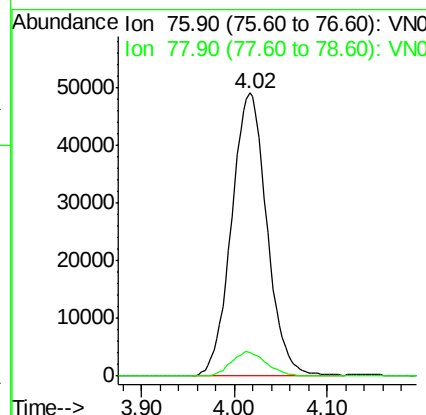
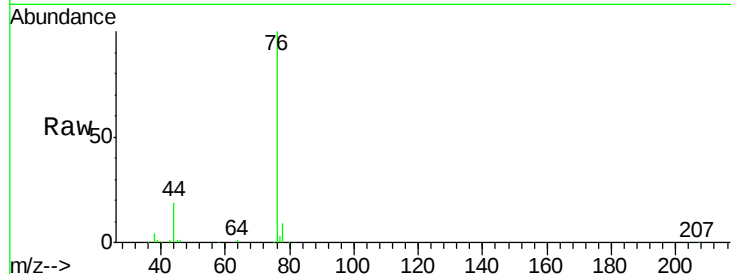
#17
Carbon Disulfide
Concen: 16.641 ug/l
RT: 4.02 min Scan# 708
Delta R.T. 0.00 min
Lab File: VN063650.D
Acq: 25 Sep 2020 1:02

Instrument :
MSVOA_N
ClientSampleId :
VN0924WBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.2	10.8

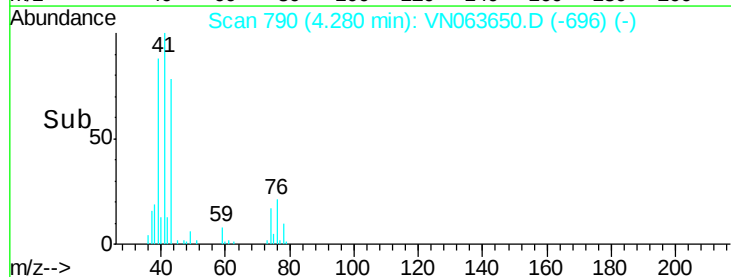
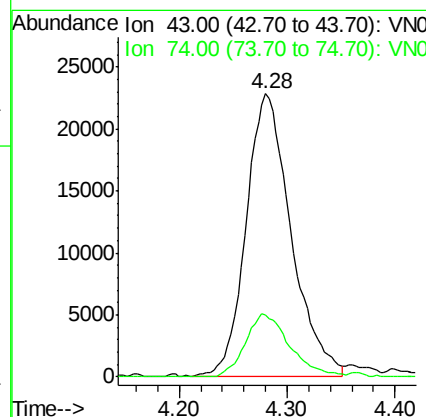
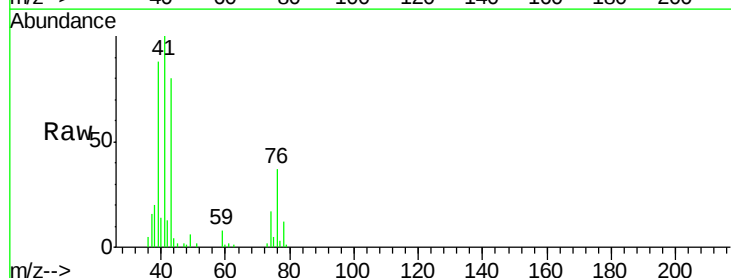
Manual Integrations
APPROVED

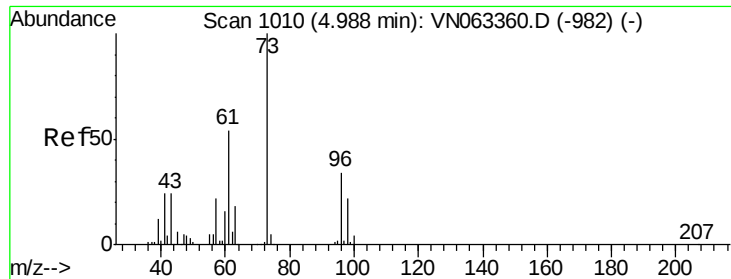
MMDadoda
9/28/2020 5:17:32 PM



#18
Methyl Acetate
Concen: 20.096 ug/l
RT: 4.28 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN063650.D
Acq: 25 Sep 2020 1:02

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.8	17.4	26.2





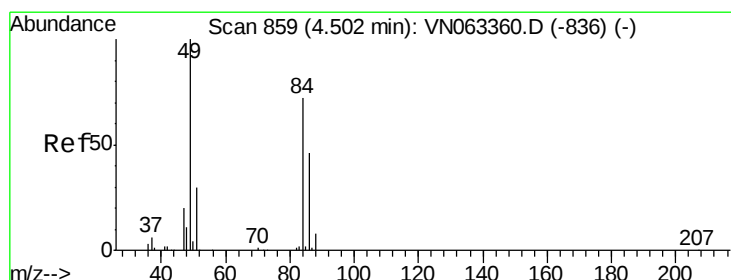
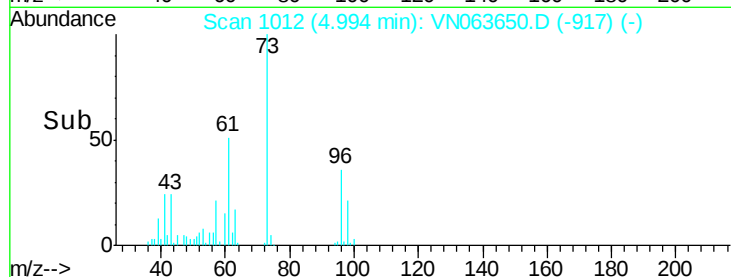
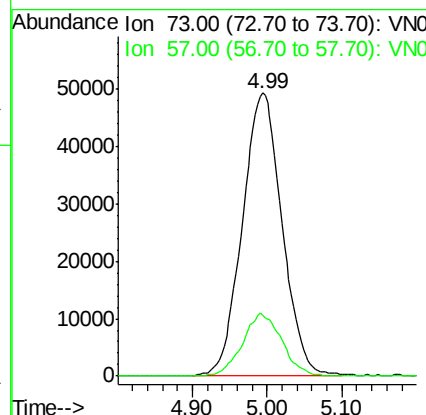
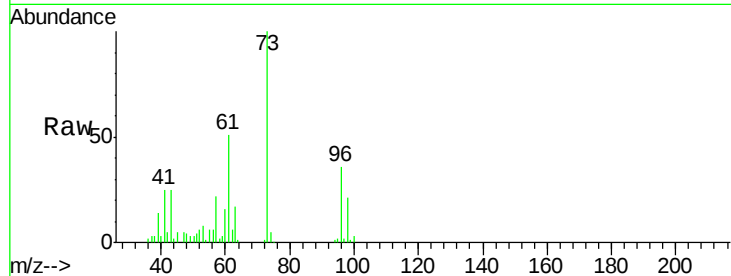
#19
Methvl tert-butvl Ether
Concen: 18.218 ug/l
RT: 4.99 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VN063650.D
Acq: 25 Sep 2020 1:02

Instrument :
MSVOA_N
ClientSampleId :
VN0924WBSD02

Tot Ion: 73 Resp: 182110
Ion Ratio Lower Upper
73 100
57 21.6 17.9 26.9

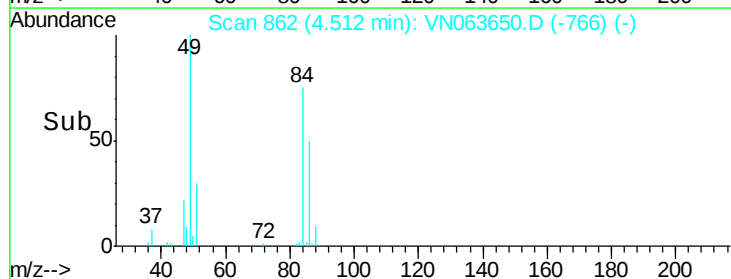
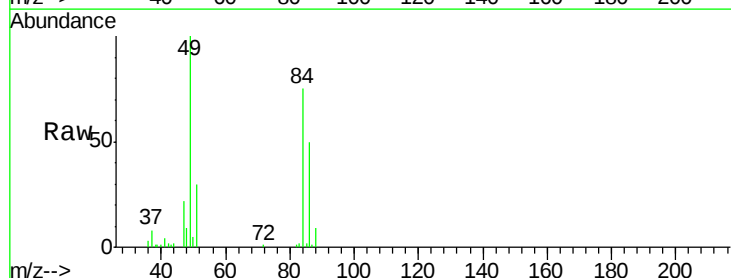
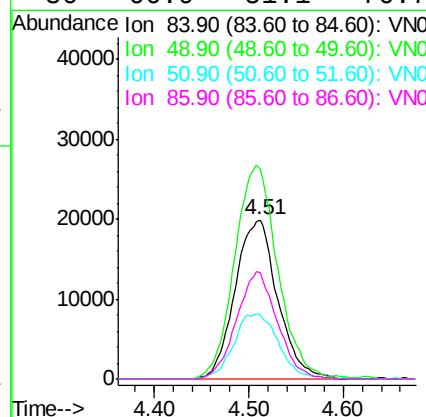
Manual Integrations
APPROVED

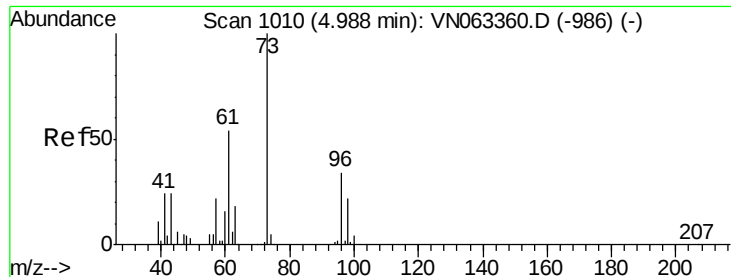
MMDadoda
9/28/2020 5:17:32 PM



#20
Methylene Chloride
Concen: 18.886 ug/l
RT: 4.51 min Scan# 862
Delta R.T. 0.01 min
Lab File: VN063650.D
Acq: 25 Sep 2020 1:02

Tgt Ion: 84 Resp: 62217
Ion Ratio Lower Upper
84 100
49 132.5 110.7 166.1
51 40.4 32.9 49.3
86 66.9 51.1 76.7





#21

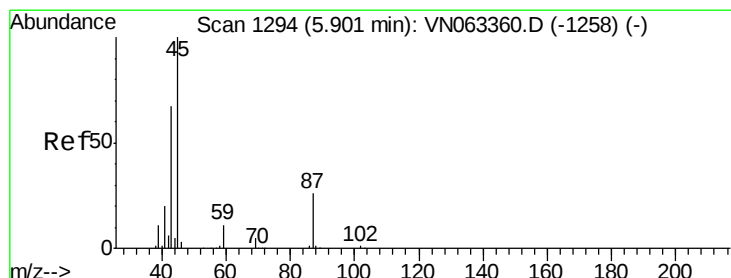
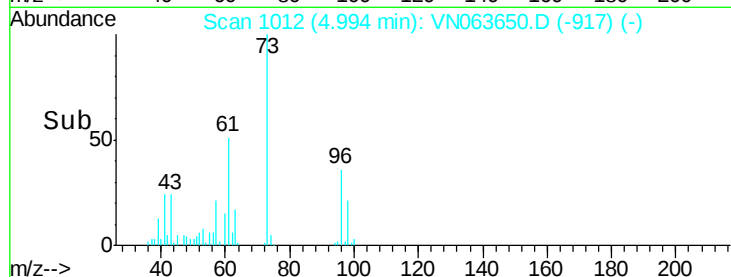
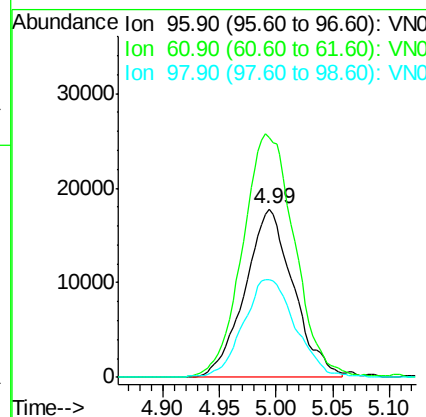
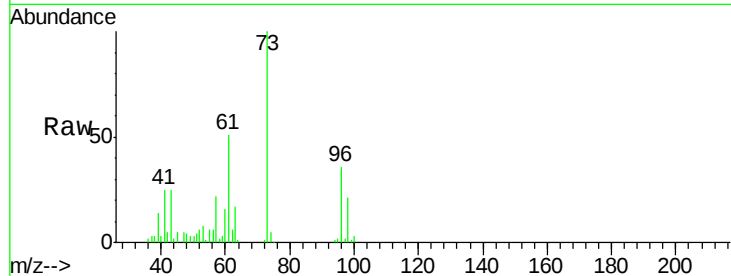
trans-1,2-Dichloroethene
Concen: 17.830 ug/l
RT: 4.99 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VN063650.D
Acq: 25 Sep 2020 1:02

Instrument :
MSVOA_N
ClientSampleId :
VN0924WBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.3	126.2	189.4
98	56.6	51.0	76.4

Manual Integrations
APPROVED

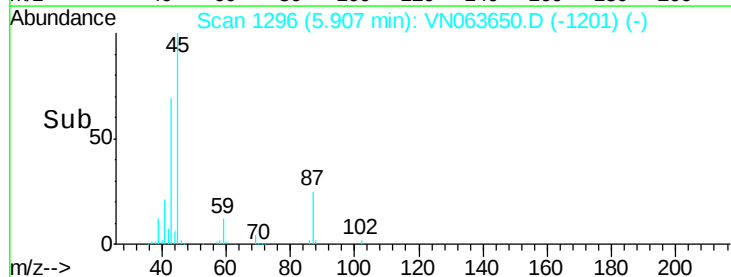
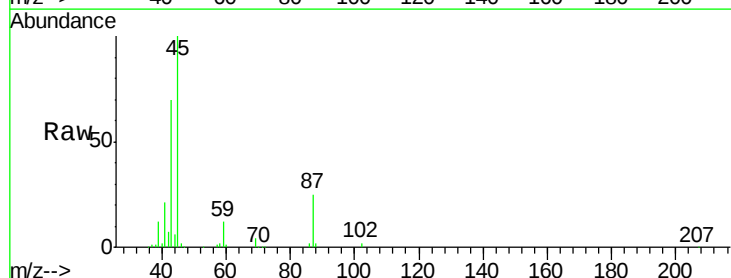
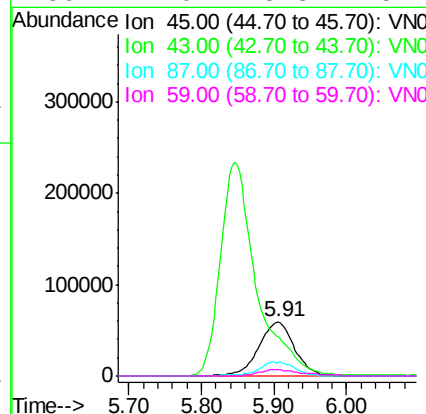
MMDadoda
9/28/2020 5:17:32 PM

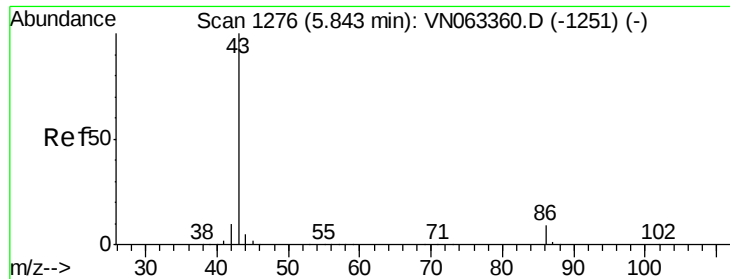


#22

Diisopropyl ether
Concen: 18.728 ug/l
RT: 5.91 min Scan# 1296
Delta R.T. 0.01 min
Lab File: VN063650.D
Acq: 25 Sep 2020 1:02

Tgt Ion	Ratio	Lower	Upper
45	100		
43	68.2	53.5	80.3
87	24.5	21.2	31.8
59	11.0	8.8	13.2





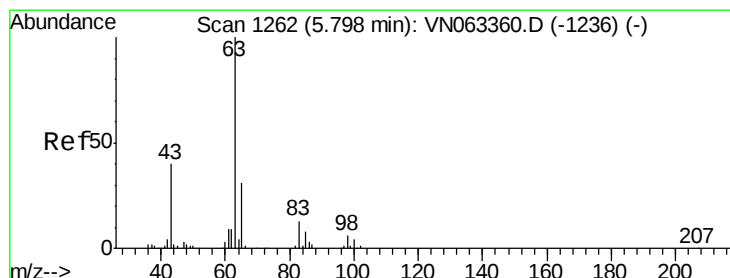
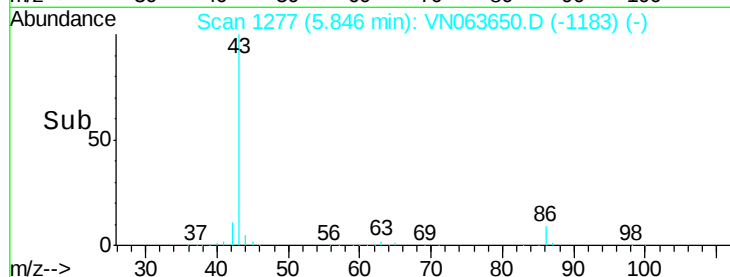
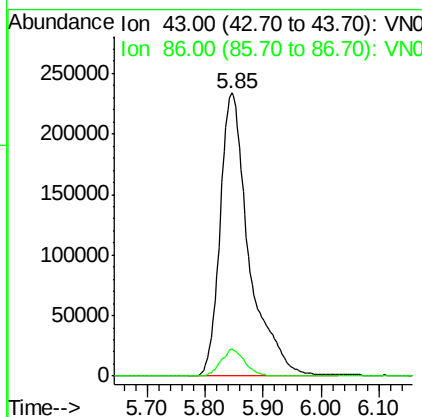
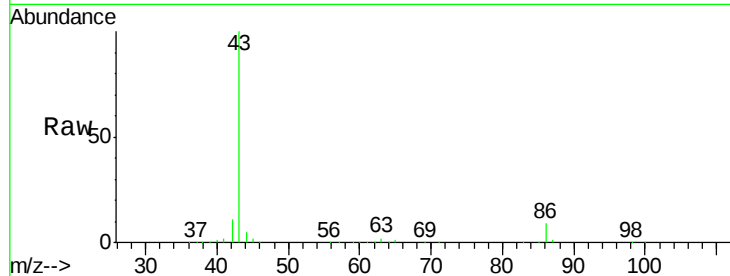
#23
 Vinyl Acetate
 Concen: 91.209 ug/l
 RT: 5.85 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VN063650.D
 Acq: 25 Sep 2020 1:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0924WBSD02

Tot Ion	43	Resp	810479
Ion Ratio	100	Lower	Upper
43	100		
86	9.5	7.1	10.7

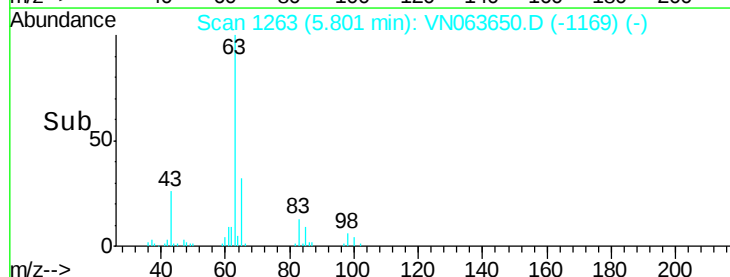
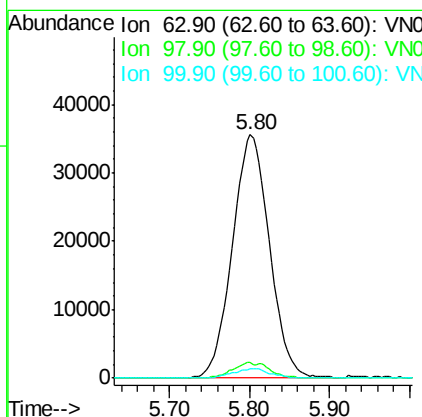
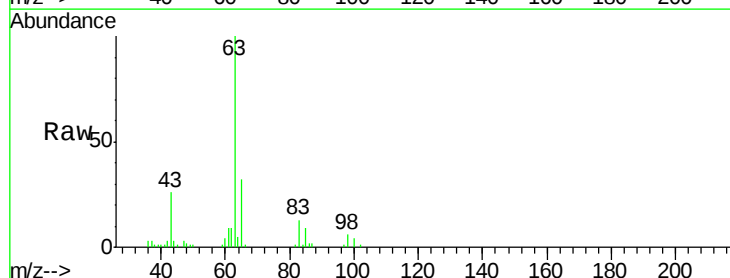
Manual Integrations
 APPROVED

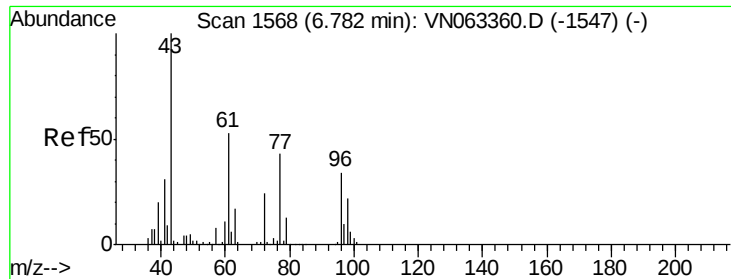
MMDadoda
 9/28/2020 5:17:32 PM



#24
 1,1-Dichloroethane
 Concen: 18.909 ug/l
 RT: 5.80 min Scan# 1263
 Delta R.T. 0.00 min
 Lab File: VN063650.D
 Acq: 25 Sep 2020 1:02

Tgt Ion	63	Resp	111697
Ion Ratio	100	Lower	Upper
63	100		
98	6.4	2.9	8.8
100	3.6	2.1	6.3





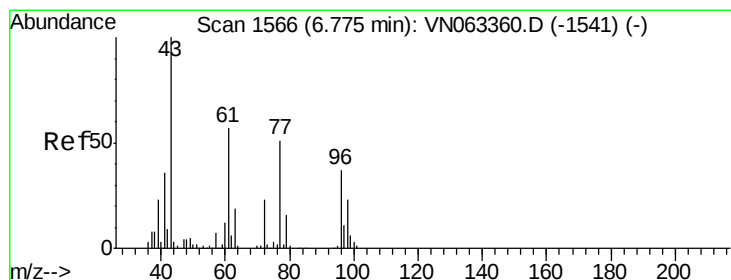
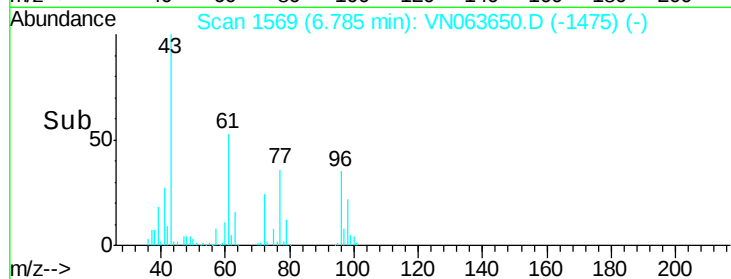
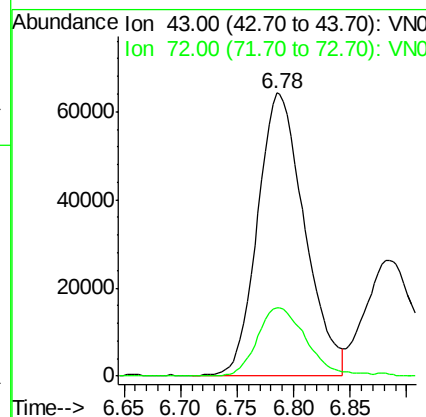
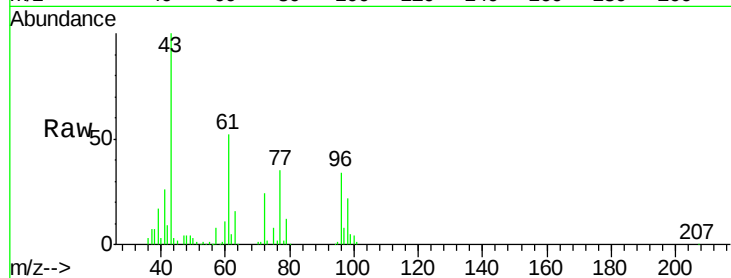
#25
2-Butanone
Concen: 92.596 ug/l
RT: 6.78 min Scan# 1569
Delta R.T. 0.00 min
Lab File: VN063650.D
Acq: 25 Sep 2020 1:02

Instrument :
MSVOA_N
ClientSampleId :
VN0924WBSD02

Tot Ion: 43 Resp: 185168
Ion Ratio Lower Upper
43 100
72 24.2 19.2 28.8

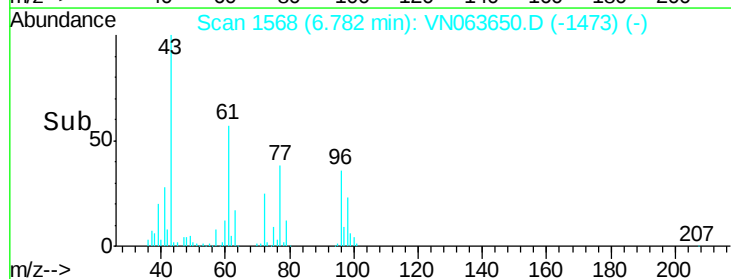
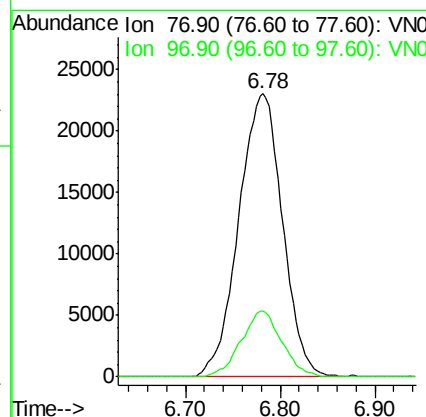
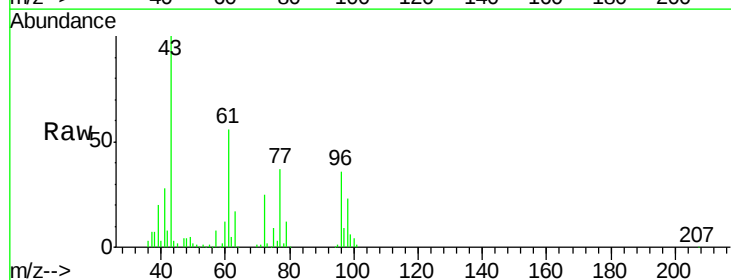
Manual Integrations
APPROVED

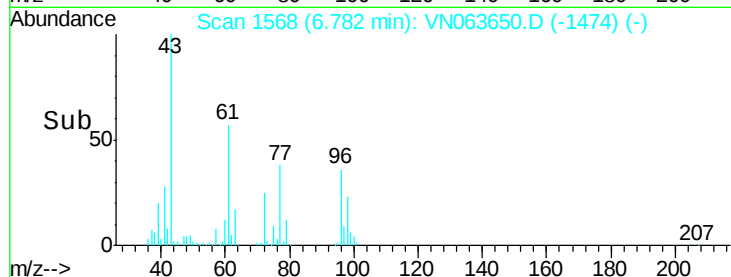
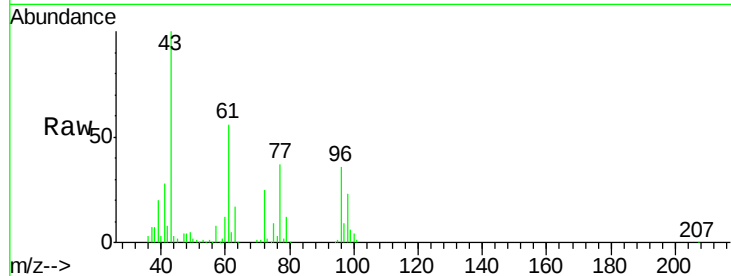
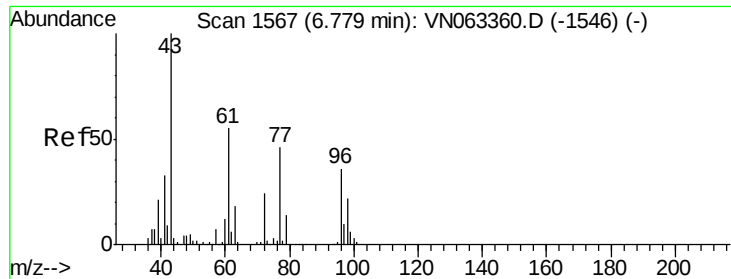
MMDadoda
9/28/2020 5:17:32 PM



#26
2,2-Dichloropropane
Concen: 14.235 ug/l
RT: 6.78 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VN063650.D
Acq: 25 Sep 2020 1:02

Tgt Ion: 77 Resp: 74034
Ion Ratio Lower Upper
77 100
97 21.6 10.5 31.6





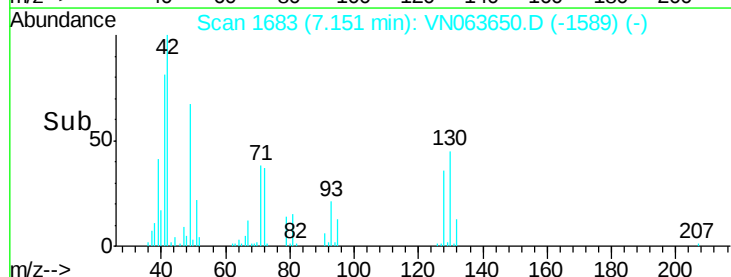
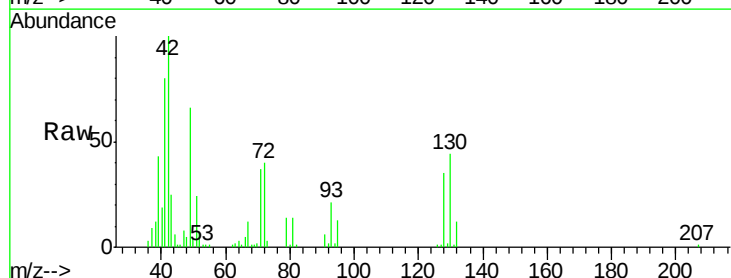
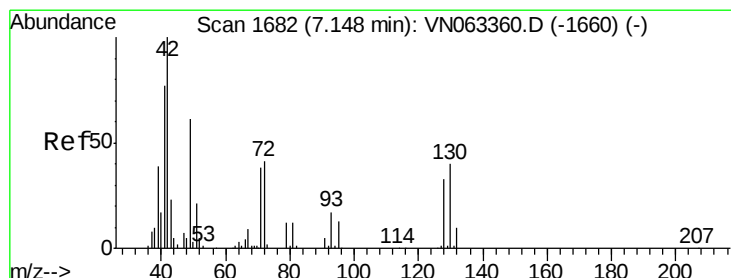
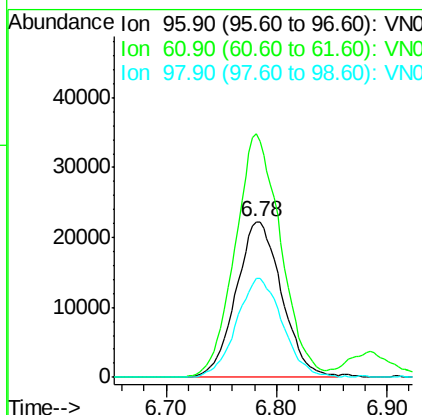
#27
 cis-1,2-Dichloroethene
 Concen: 18.946 ug/l
 RT: 6.78 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VN063650.D
 Acq: 25 Sep 2020 1:02

Tot Ion	Ratio	Resp	Lower	Upper
96	100	63724		
61	156.6		0.0	319.6
98	64.2		0.0	127.8

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0924WBSD02

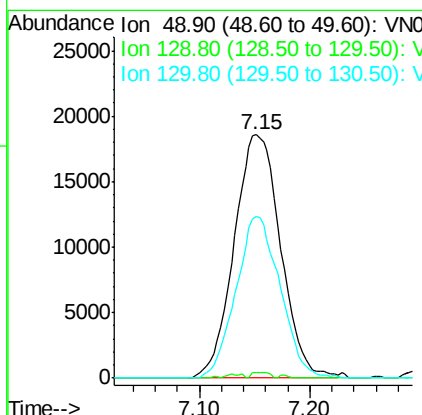
Manual Integrations
 APPROVED

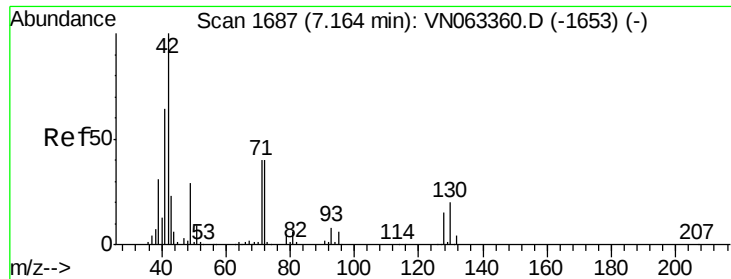
MMDadoda
 9/28/2020 5:17:32 PM



#28
 Bromochloromethane
 Concen: 19.852 ug/l
 RT: 7.15 min Scan# 1683
 Delta R.T. 0.00 min
 Lab File: VN063650.D
 Acq: 25 Sep 2020 1:02

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	54145		
129	0.9		0.0	3.8
130	63.4		52.2	78.2





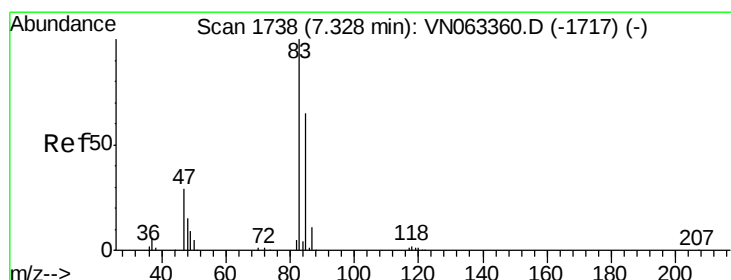
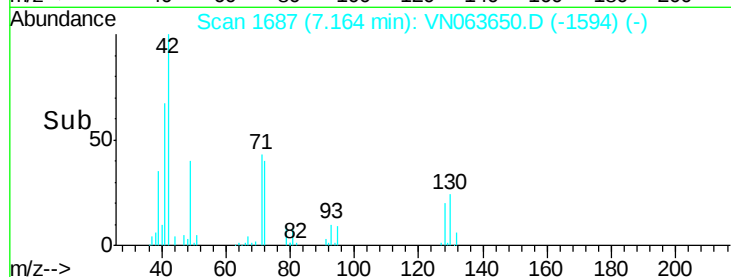
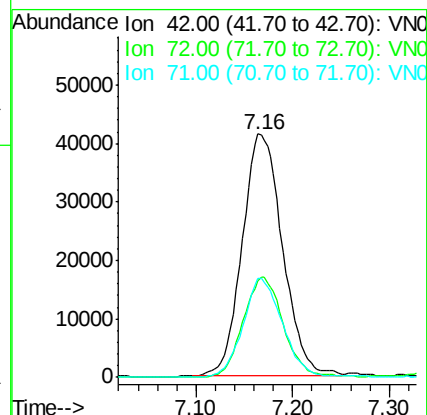
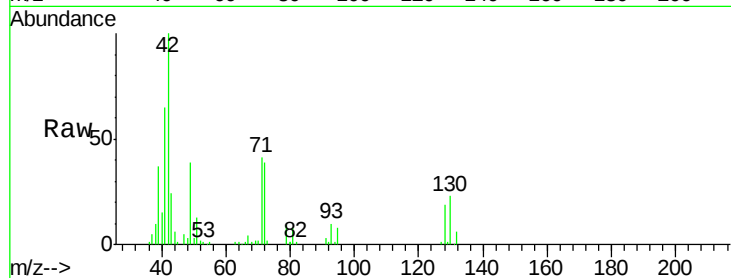
#29
Tetrahydrofuran
Concen: 88.210 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VN063650.D
Acq: 25 Sep 2020 1:02

Instrument :
MSVOA_N
ClientSampleId :
VN0924WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.1	32.1	48.1
71	39.6	31.2	46.8

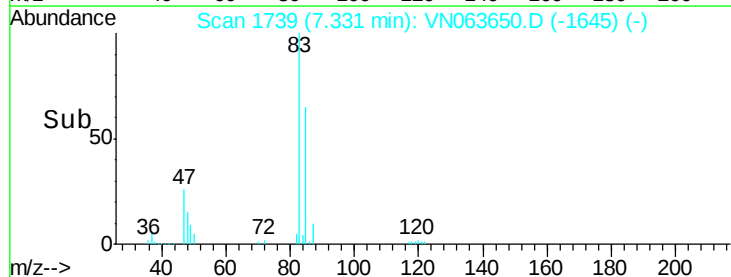
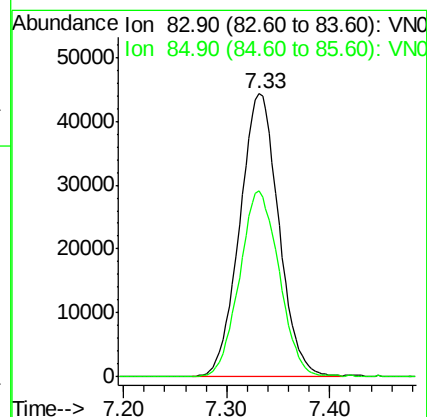
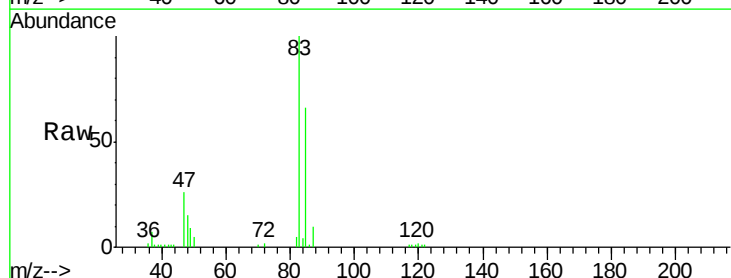
Manual Integrations
APPROVED

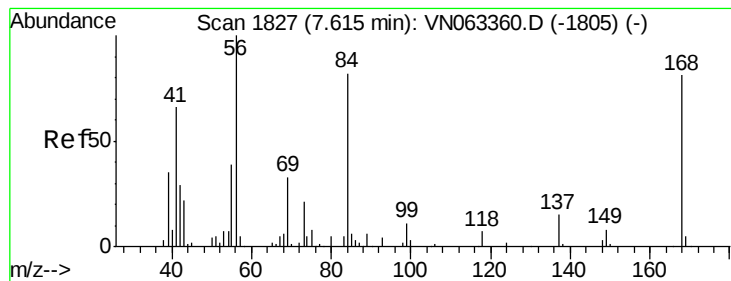
MMDadoda
9/28/2020 5:17:32 PM



#30
Chloroform
Concen: 19.686 ug/l
RT: 7.33 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VN063650.D
Acq: 25 Sep 2020 1:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	52.1	78.1





#31

Cyclohexane

Concen: 16.508 ug/l

RT: 7.62 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN063650.D

Acq: 25 Sep 2020 1:02

Instrument :

MSVOA_N

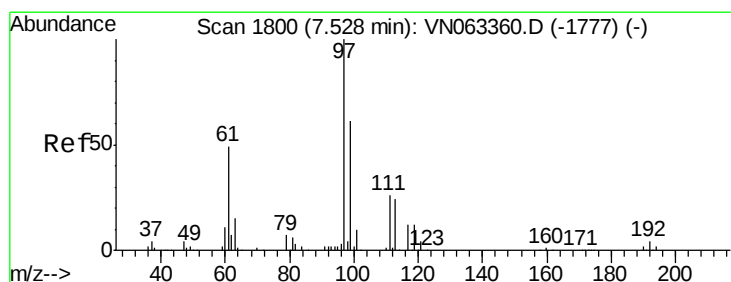
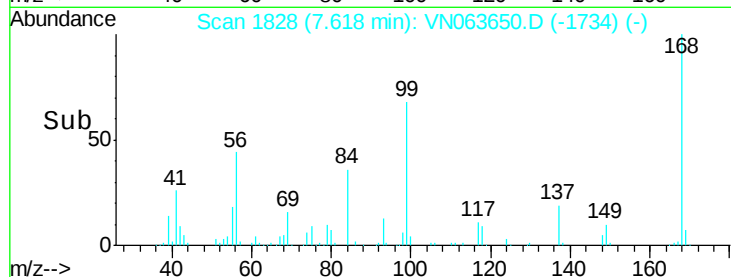
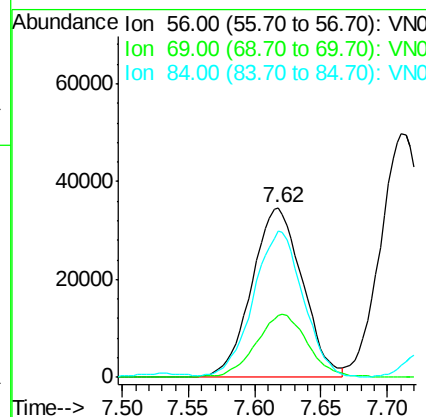
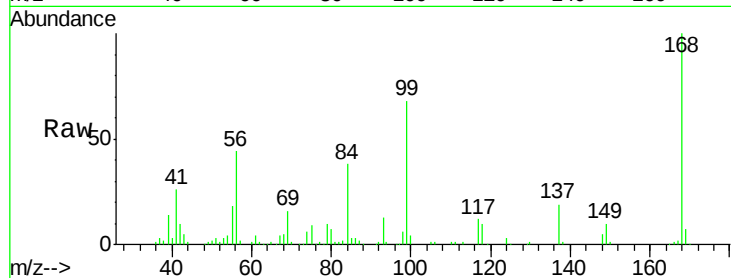
ClientSampleId :

VN0924WBSD02

Tot Ion:	56	Resp:	92239
Ion Ratio	Lower	Upper	
56	100		
69	36.7	26.1	39.1
84	84.7	65.4	98.2

Manual Integrations
APPROVED

MMDadoda
9/28/2020 5:17:32 PM



#32

1,1,1-Trichloroethane

Concen: 19.305 ug/l

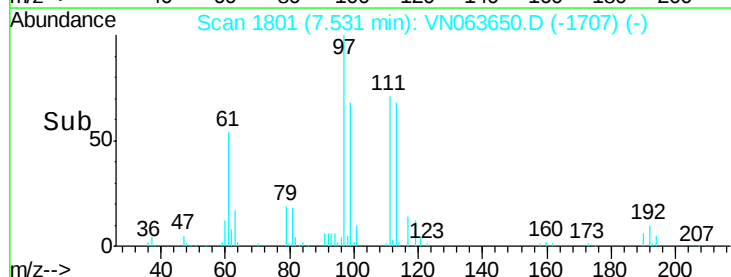
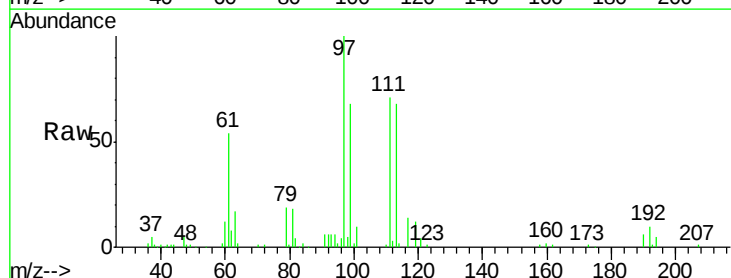
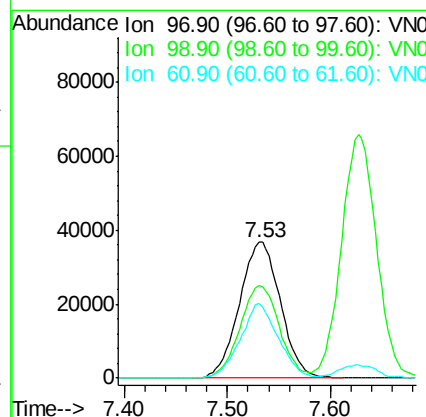
RT: 7.53 min Scan# 1801

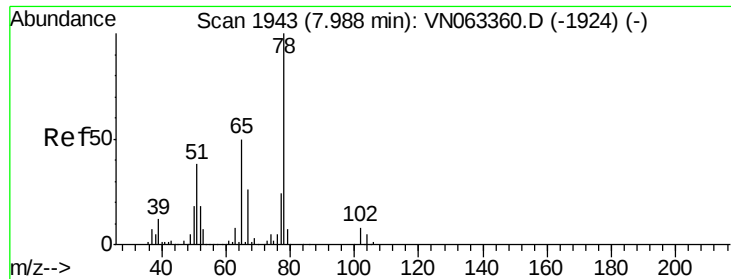
Delta R.T. 0.00 min

Lab File: VN063650.D

Acq: 25 Sep 2020 1:02

Tgt Ion:	97	Resp:	101763
Ion Ratio	Lower	Upper	
97	100		
99	65.4	50.6	76.0
61	50.7	39.2	58.8





#33

1,2-Dichloroethane-d4

Concen: 47.866 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN063650.D

Acq: 25 Sep 2020 1:02

Instrument :

MSVOA_N

ClientSampleId :

VN0924WBSD02

Tot Ion: 65 Resp: 193656

Ion Ratio Lower Upper

65 100

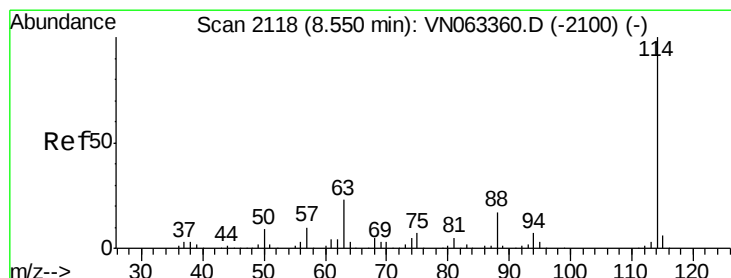
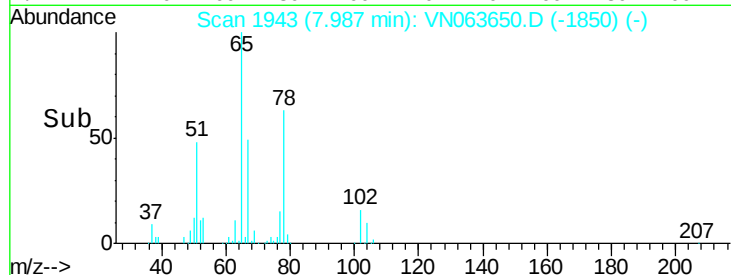
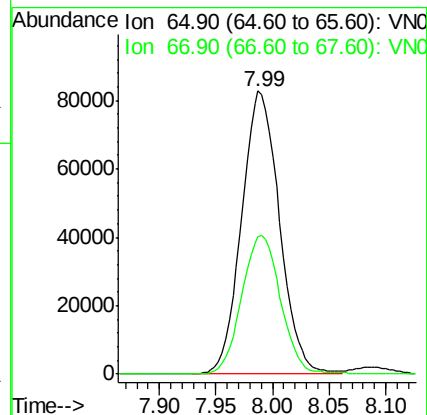
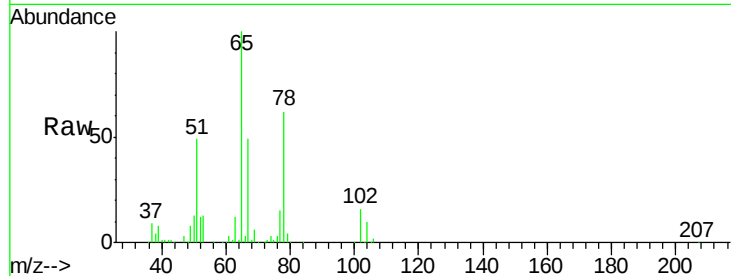
67 50.0 0.0 104.2

Manual Integrations

APPROVED

MMDadoda

9/28/2020 5:17:32 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN063650.D

Acq: 25 Sep 2020 1:02

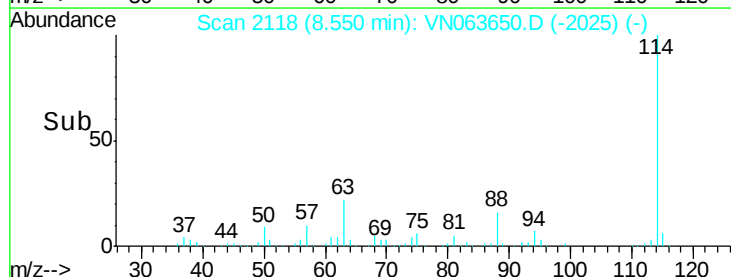
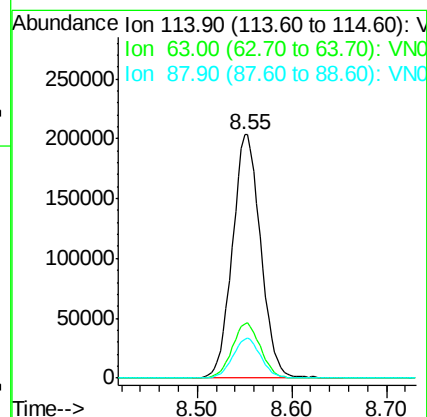
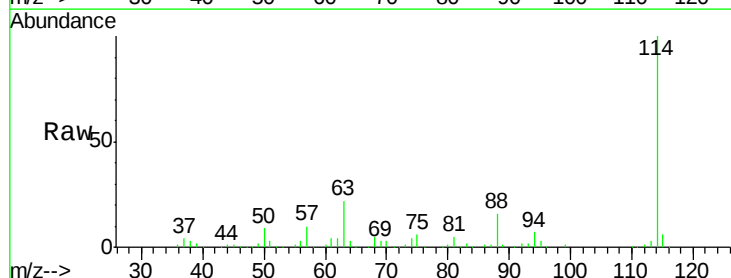
Tgt Ion: 114 Resp: 421935

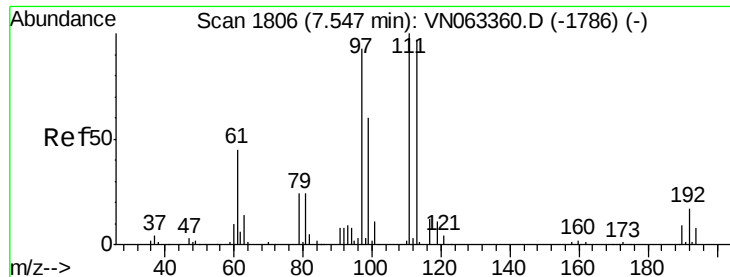
Ion Ratio Lower Upper

114 100

63 22.4 0.0 46.4

88 16.2 0.0 33.2





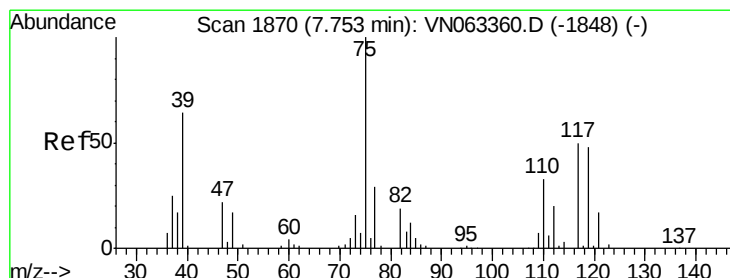
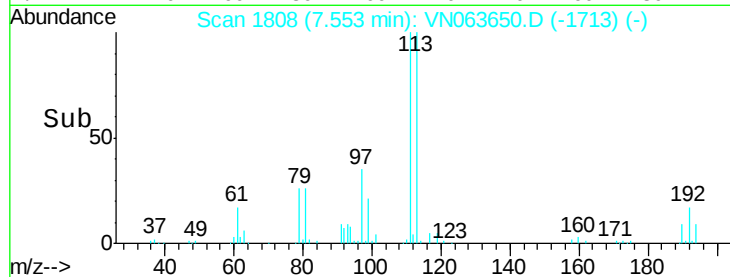
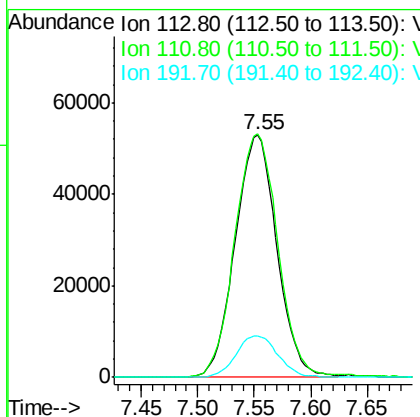
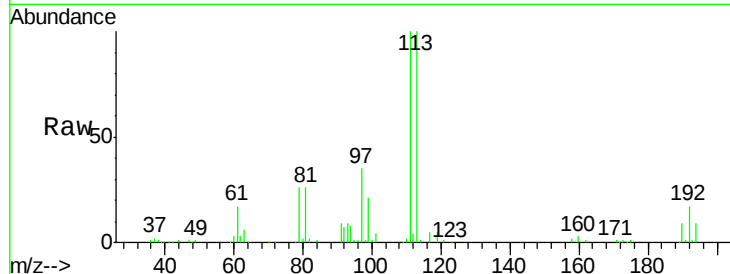
#35
 Dibromofluoromethane
 Concen: 46.454 ug/l
 RT: 7.55 min Scan# 1808
 Delta R.T. 0.01 min
 Lab File: VN063650.D
 Acq: 25 Sep 2020 1:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0924WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	135691		
111	103.4	82.9	124.3	
192	17.2	13.9	20.9	

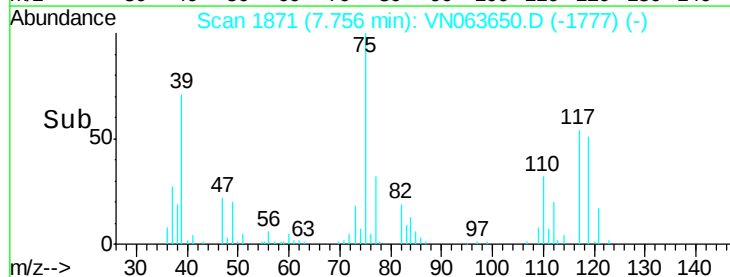
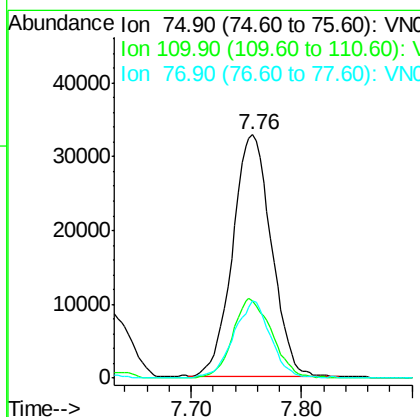
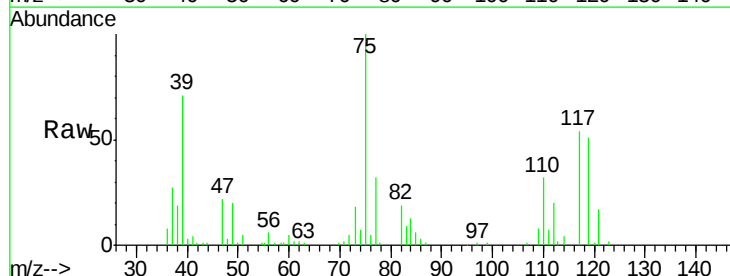
Manual Integrations
 APPROVED

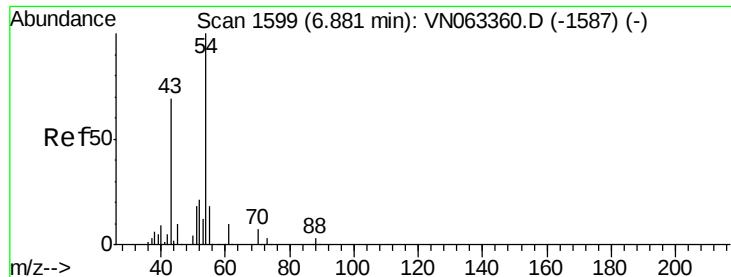
MMDadoda
 9/28/2020 5:17:32 PM



#36
 1,1-Dichloropropene
 Concen: 17.775 ug/l
 RT: 7.76 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN063650.D
 Acq: 25 Sep 2020 1:02

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	79901		
110	33.1	16.5	49.5	
77	30.3	24.6	36.8	





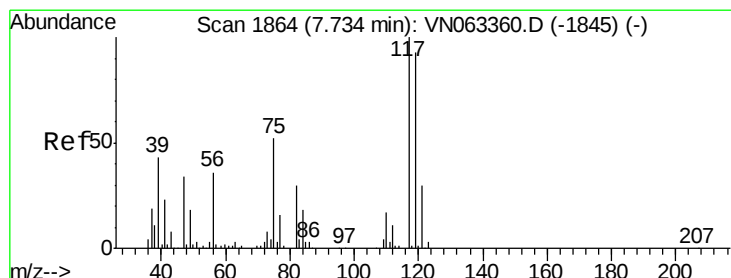
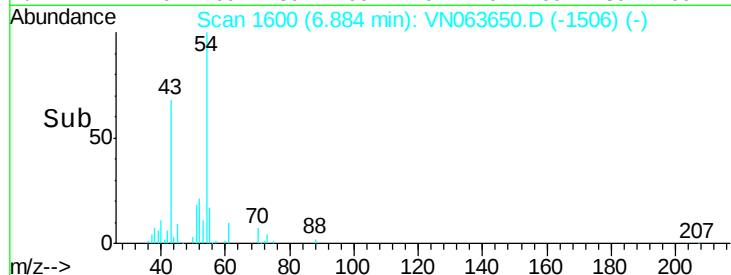
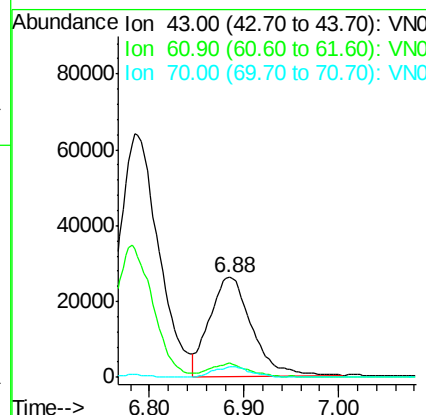
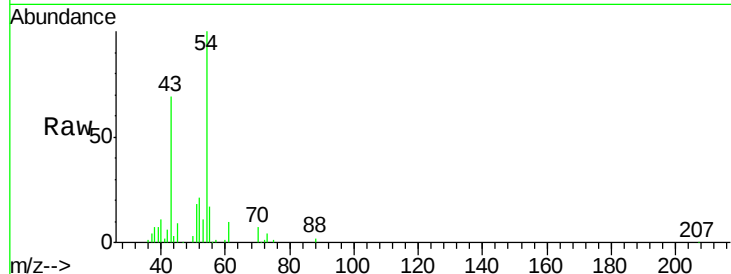
#37
Ethyl Acetate
Concen: 18.206 ug/l
RT: 6.88 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VN063650.D
Acq: 25 Sep 2020 1:02

Instrument :
MSVOA_N
ClientSampleId :
VN0924WBSD02

Tot Ion	43	Resp	80322
Ion Ratio	Lower	Upper	
43	100		
61	11.7	10.6	15.8
70	9.5	7.2	10.8

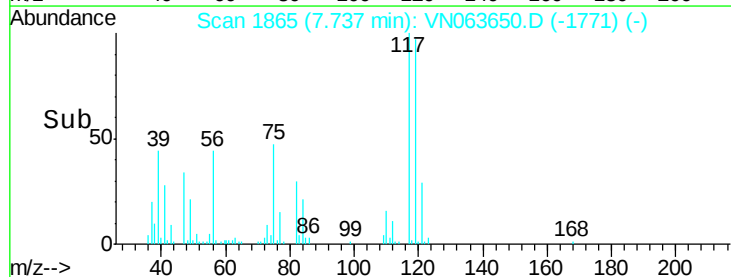
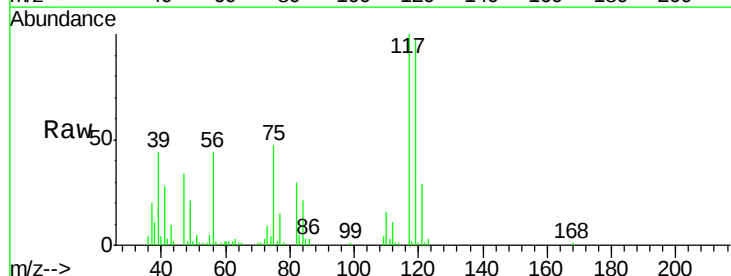
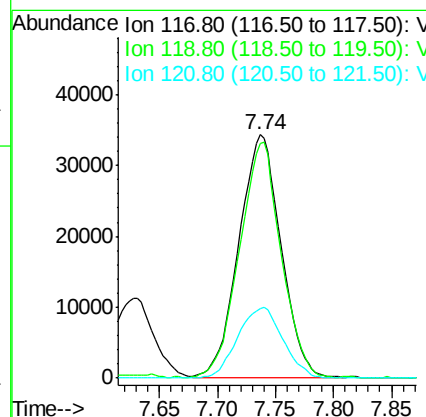
Manual Integrations
APPROVED

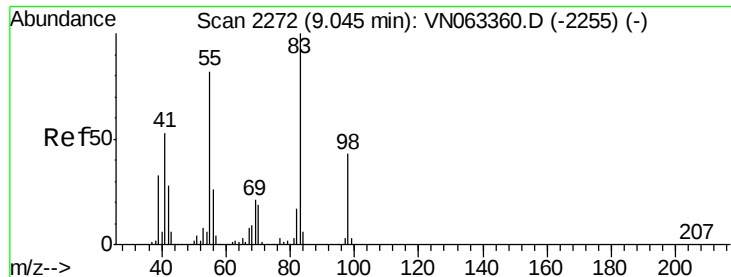
MMDadoda
9/28/2020 5:17:32 PM



#38
Carbon Tetrachloride
Concen: 18.955 ug/l
RT: 7.74 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN063650.D
Acq: 25 Sep 2020 1:02

Tgt Ion	117	Resp	86977
Ion Ratio	Lower	Upper	
117	100		
119	96.1	74.5	111.7
121	28.8	24.1	36.1





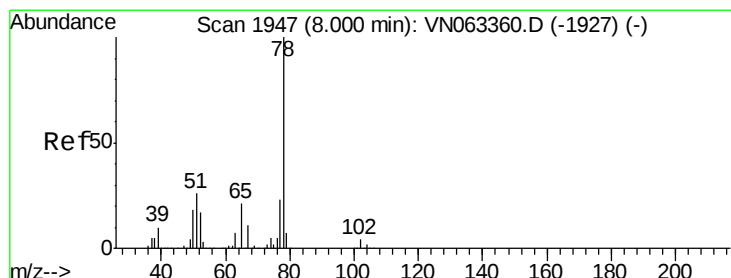
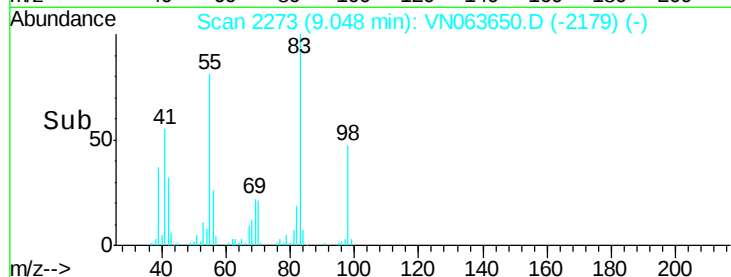
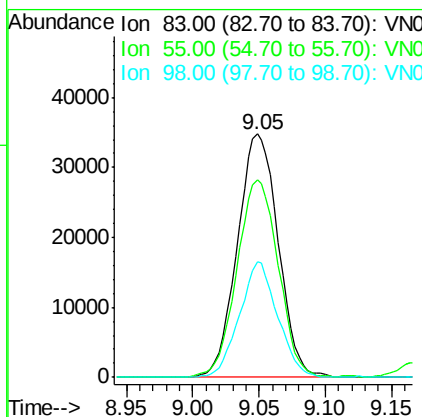
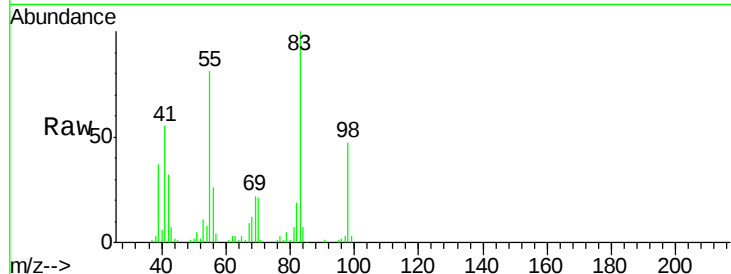
#39
Methvlcvclohexane
Concen: 15.277 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN063650.D
Acq: 25 Sep 2020 1:02

Instrument :
MSVOA_N
ClientSampleId :
VN0924WBSD02

Tot Ion	83	Resp	74531
Ion Ratio	Lower	Upper	
83	100		
55	81.0	65.5	98.3
98	47.4	34.2	51.4

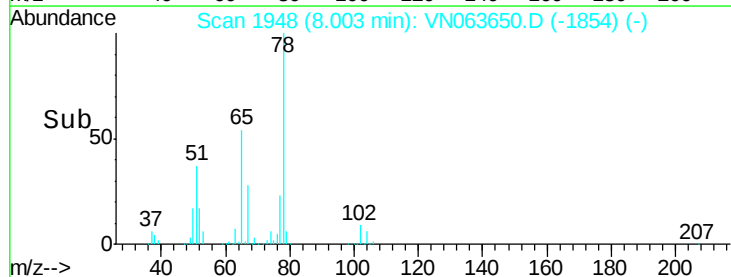
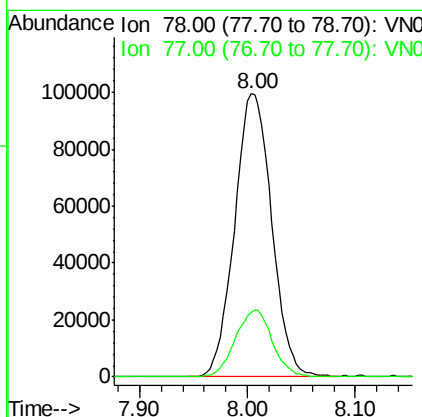
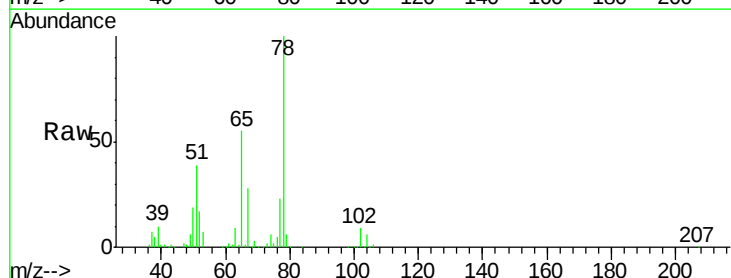
Manual Integrations
APPROVED

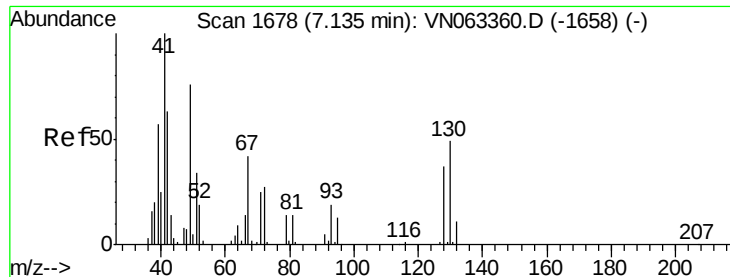
MMDadoda
9/28/2020 5:17:32 PM



#40
Benzene
Concen: 18.593 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN063650.D
Acq: 25 Sep 2020 1:02

Tgt Ion	78	Resp	238589
Ion Ratio	Lower	Upper	
78	100		
77	23.0	18.3	27.5





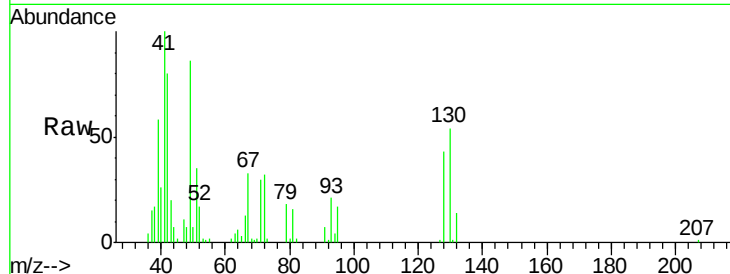
#41
Methacrylonitrile
Concen: 21.617 ug/l m
RT: 7.14 min Scan# 1680
Delta R.T. 0.01 min
Lab File: VN063650.D
Acq: 25 Sep 2020 1:02

Instrument :
MSVOA_N
ClientSampleId :
VN0924WBSD02

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

Manual Integrations
APPROVED

MMDadoda
9/28/2020 5:17:32 PM

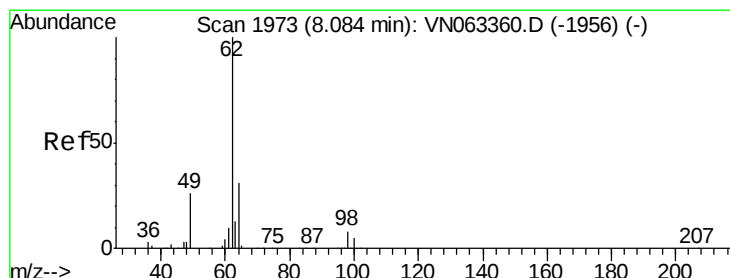
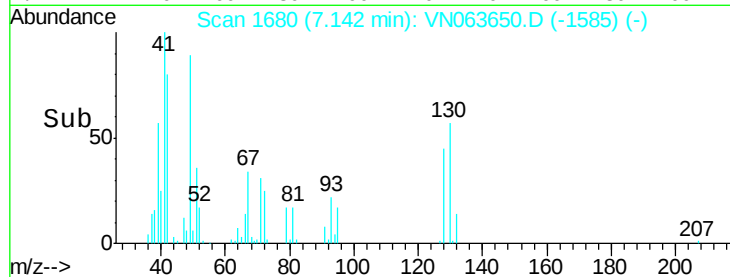
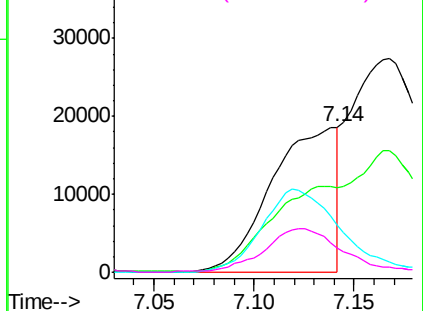


Abundance Ion 41.00 (40.70 to 41.70): VN063360.D (-1658) (-)

Ion 39.00 (38.70 to 39.70): VN063360.D (-1658) (-)

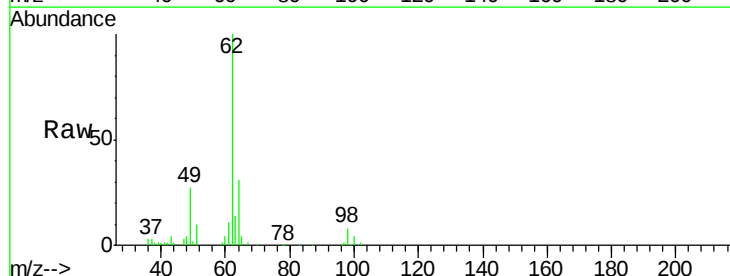
Ion 67.00 (66.70 to 67.70): VN063360.D (-1658) (-)

Ion 52.00 (51.70 to 52.70): VN063360.D (-1658) (-)



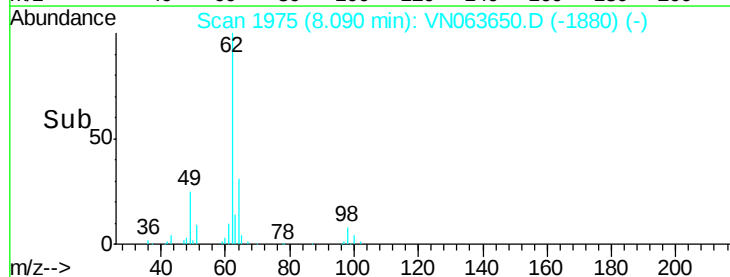
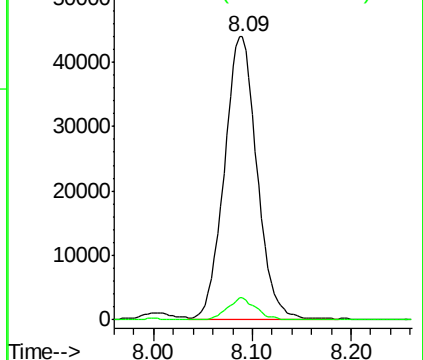
#42
1,2-Dichloroethane
Concen: 19.597 ug/l
RT: 8.09 min Scan# 1975
Delta R.T. 0.01 min
Lab File: VN063650.D
Acq: 25 Sep 2020 1:02

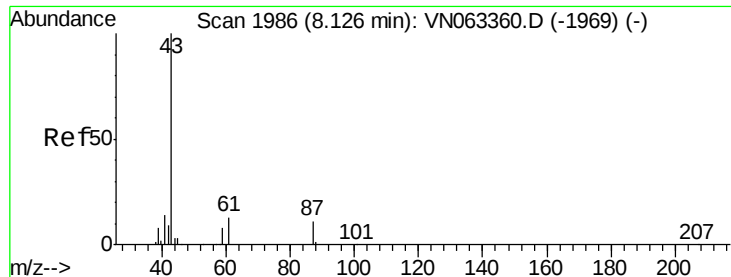
Tgt Ion	Ratio	Lower	Upper
62	100		
98	6.8	0.0	15.6



Abundance Ion 61.90 (61.60 to 62.60): VN063360.D (-1956) (-)

Ion 97.90 (97.60 to 98.60): VN063360.D (-1956) (-)





#43

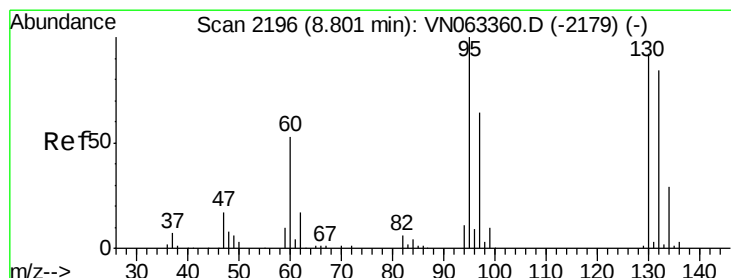
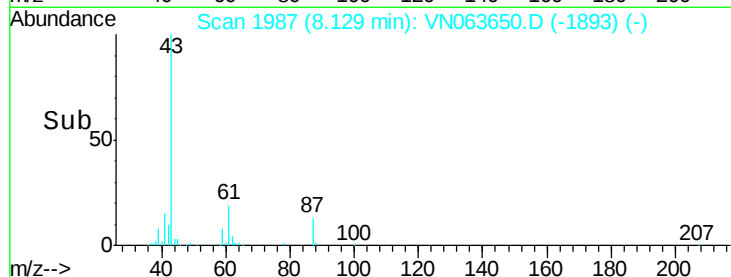
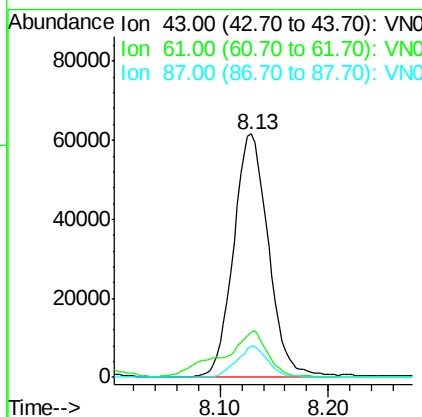
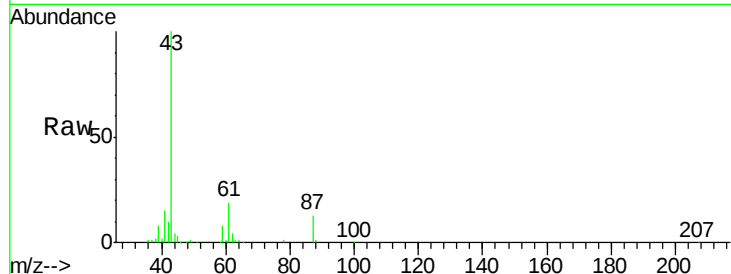
Isopropyl Acetate
 Concen: 17.676 ug/l
 RT: 8.13 min Scan# 1987
 Delta R.T. 0.00 min
 Lab File: VN063650.D
 Acq: 25 Sep 2020 1:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0924WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.1	14.2	21.2#
87	11.5	9.0	13.6

Manual Integrations
 APPROVED

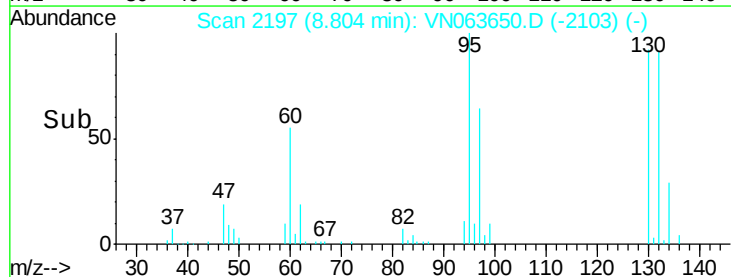
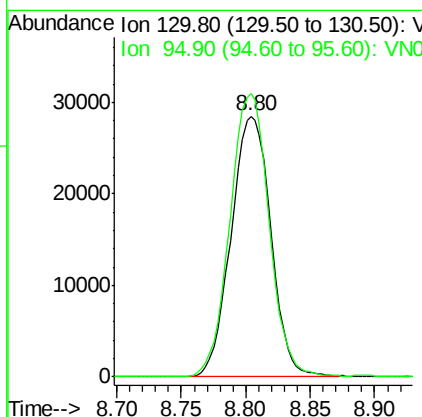
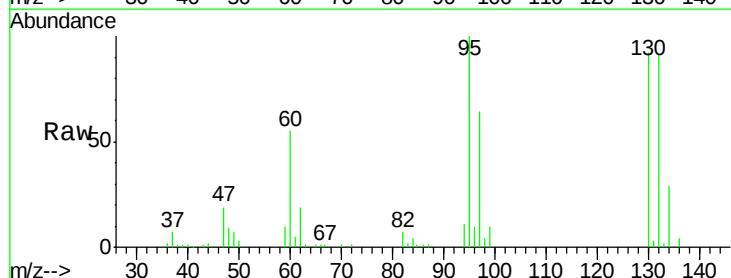
MMDadoda
 9/28/2020 5:17:32 PM

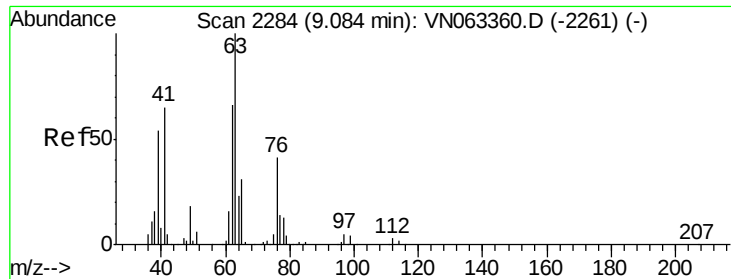


#44

Trichloroethene
 Concen: 19.591 ug/l
 RT: 8.80 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN063650.D
 Acq: 25 Sep 2020 1:02

Tgt Ion	Ratio	Lower	Upper
130	100		
95	108.5	0.0	217.4





#45

1,2-Dichloropropane

Concen: 18.925 ug/l

RT: 9.09 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN063650.D

Acq: 25 Sep 2020 1:02

Instrument :

MSVOA_N

ClientSampleId :

VN0924WBSD02

Tot Ion: 63 Resp: 66141

Ion Ratio Lower Upper

63 100

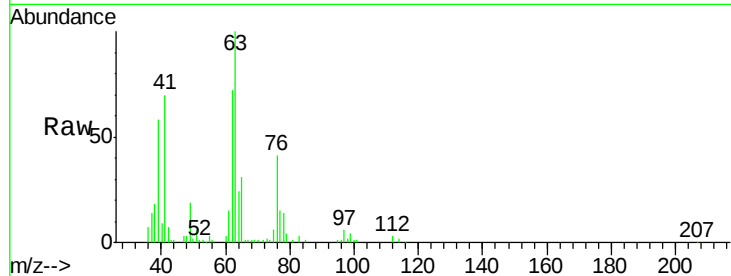
65 30.9 25.0 37.6

Manual Integrations

APPROVED

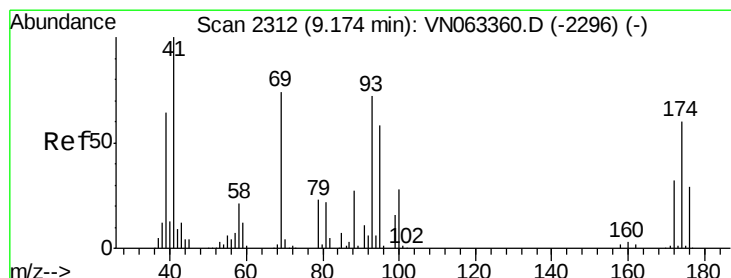
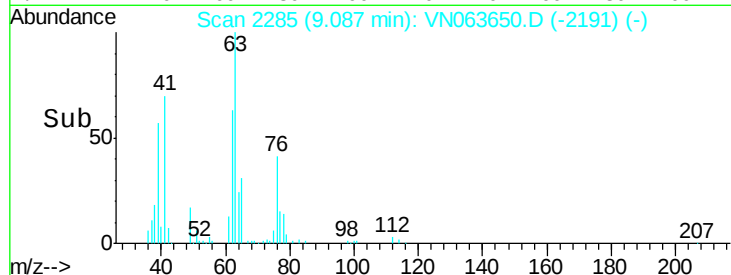
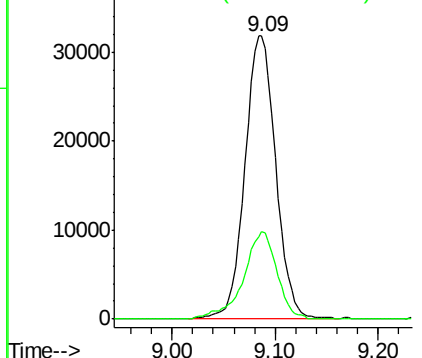
MMDadoda

9/28/2020 5:17:32 PM



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 19.379 ug/l

RT: 9.18 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN063650.D

Acq: 25 Sep 2020 1:02

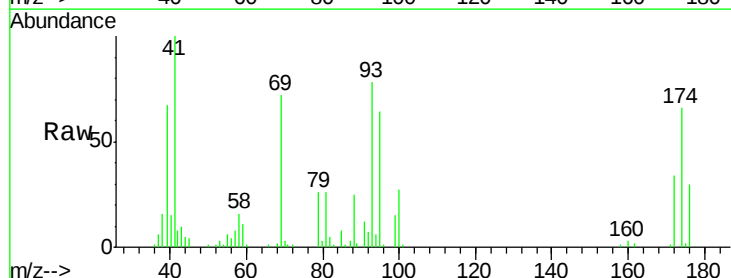
Tgt Ion: 93 Resp: 44515

Ion Ratio Lower Upper

93 100

95 83.7 65.6 98.4

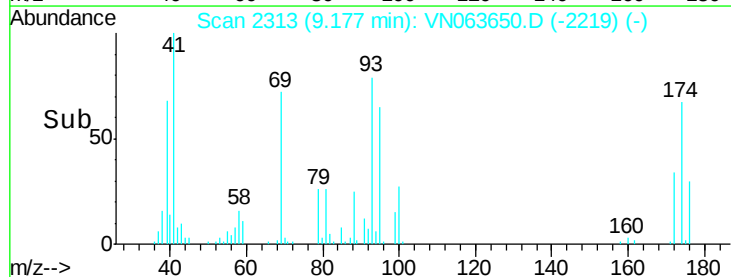
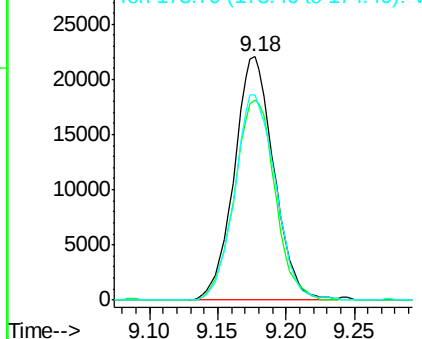
174 86.9 68.1 102.1

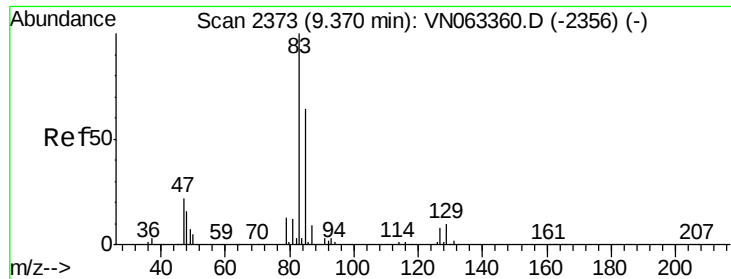


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





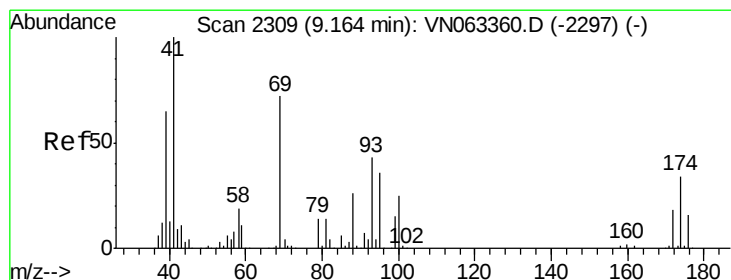
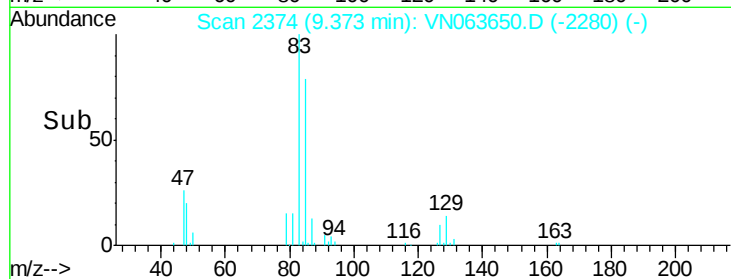
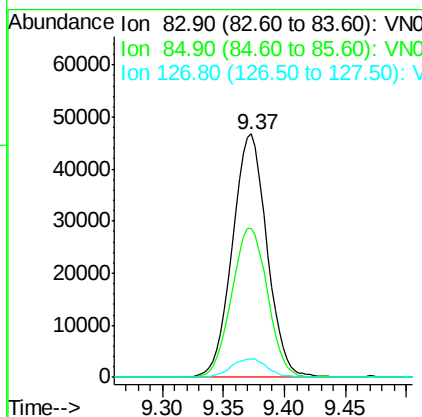
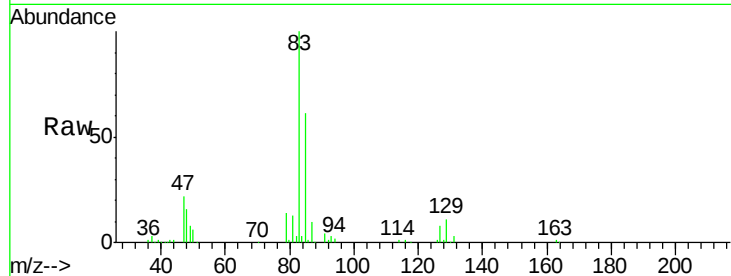
#47
Bromodichloromethane
Concen: 19.283 ug/l
RT: 9.37 min Scan# 2374
Delta R.T. 0.00 min
Lab File: VN063650.D
Acq: 25 Sep 2020 1:02

Instrument :
MSVOA_N
ClientSampleId :
VN0924WBSD02

Tot Ion	83	Resp	92017
Ion Ratio	100	Lower	Upper
83	100		
85	61.2	51.0	76.6
127	7.5	6.3	9.5

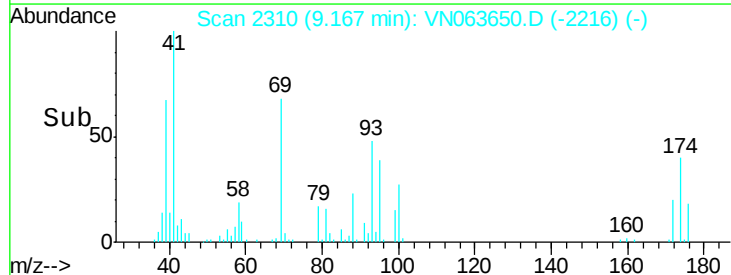
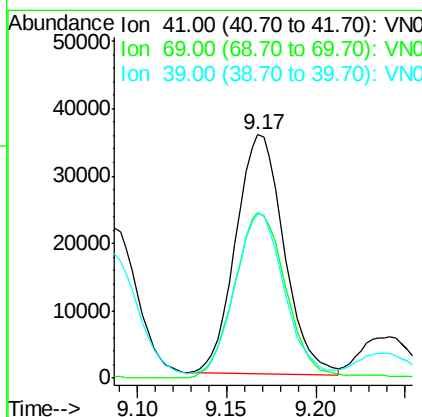
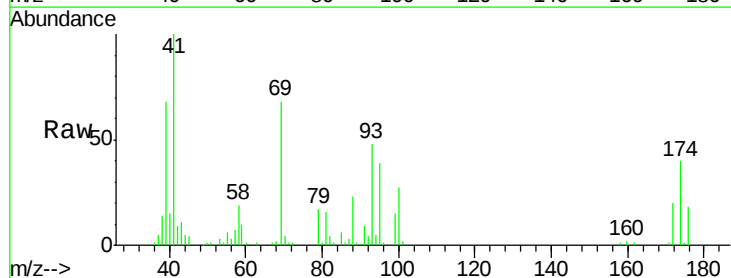
Manual Integrations
APPROVED

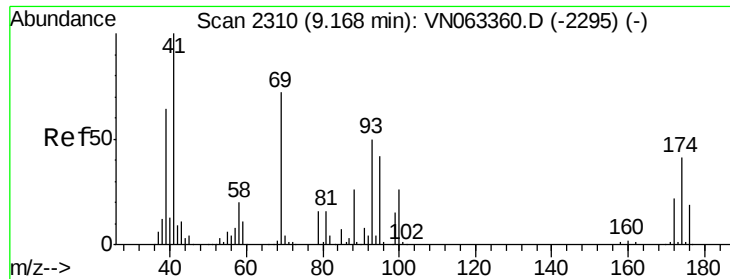
MMDadoda
9/28/2020 5:17:32 PM



#48
Methyl methacrylate
Concen: 17.246 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN063650.D
Acq: 25 Sep 2020 1:02

Tgt Ion	41	Resp	66843
Ion Ratio	100	Lower	Upper
41	100		
69	73.7	59.3	88.9
39	70.0	52.9	79.3





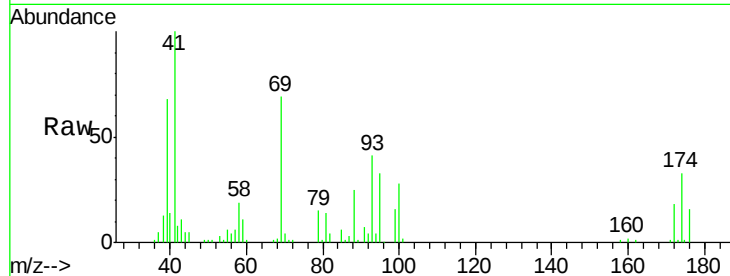
#49
1,4-Dioxane
Concen: 330.531 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN063650.D
Acq: 25 Sep 2020 1:02

Instrument :
MSVOA_N
ClientSampleId :
VN0924WBSD02

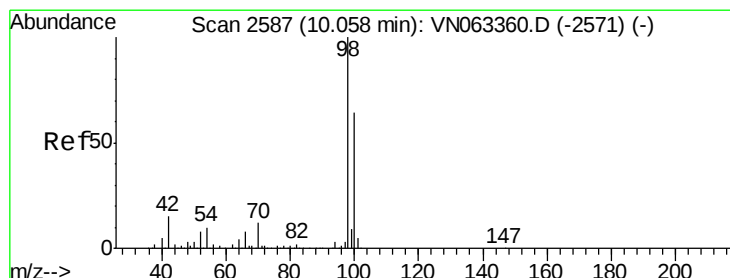
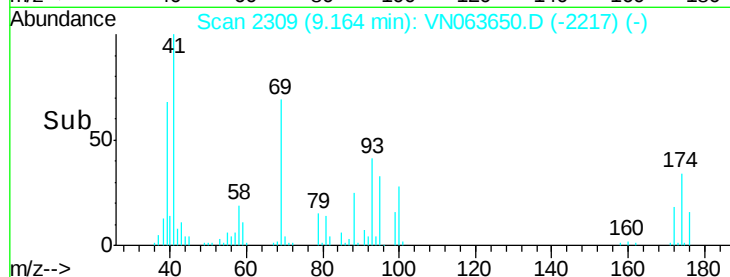
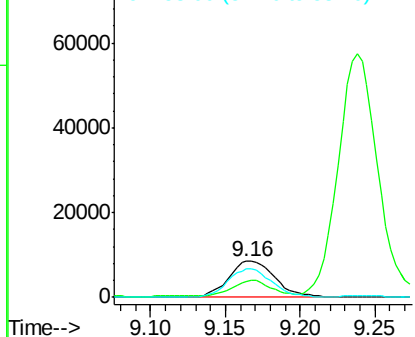
Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	38.1		32.6	49.0
58	75.5		60.0	90.0

Manual Integrations
APPROVED

MMDadoda
9/28/2020 5:17:32 PM

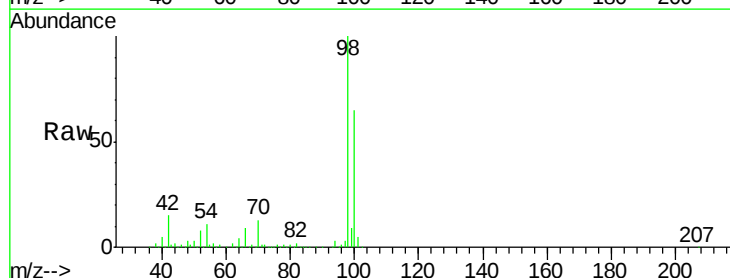


Abundance Ion 88.00 (87.70 to 88.70): VN063360.D (-2295) (-)
Ion 43.00 (42.70 to 43.70): VN063360.D (-2295) (-)
Ion 58.00 (57.70 to 58.70): VN063360.D (-2295) (-)

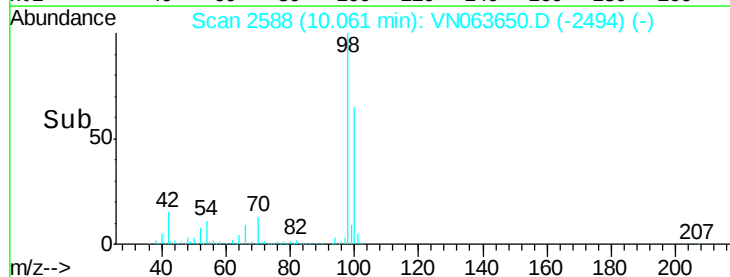
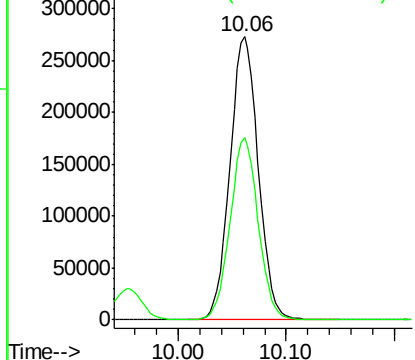


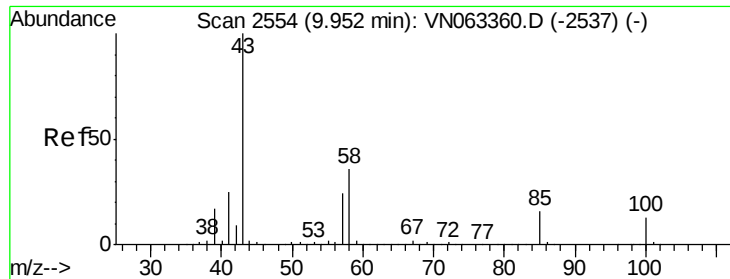
#50
Toluene-d8
Concen: 45.575 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063650.D
Acq: 25 Sep 2020 1:02

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	63.6		50.7	76.1



Abundance Ion 98.00 (97.70 to 98.70): VN063360.D (-2571) (-)
Ion 100.00 (99.70 to 100.70): VN063360.D (-2571) (-)





#51

4-Methyl-2-Pentanone

Concen: 93.639 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN063650.D

Acq: 25 Sep 2020 1:02

Instrument :

MSVOA_N

ClientSampleId :

VN0924WBSD02

Tot Ion: 43 Resp: 413546

Ion Ratio Lower Upper

43 100

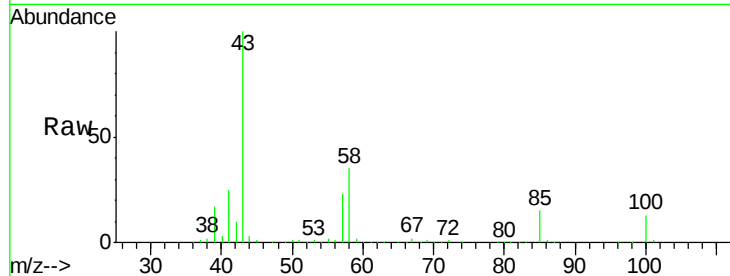
58 35.7 29.0 43.6

Manual Integrations

APPROVED

MMDadoda

9/28/2020 5:17:32 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

250000

200000

150000

100000

50000

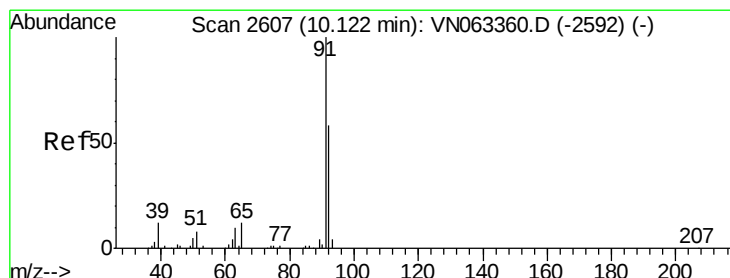
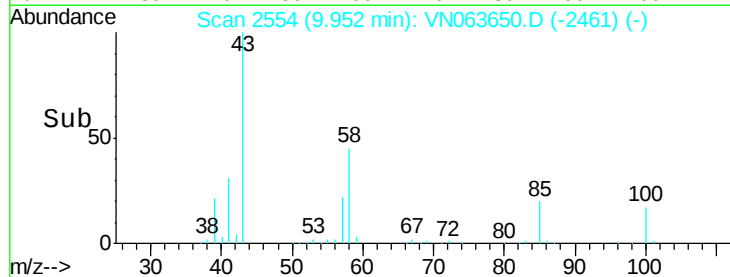
0

9.90

9.95

10.00

Time-->



#52

Toluene

Concen: 19.021 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN063650.D

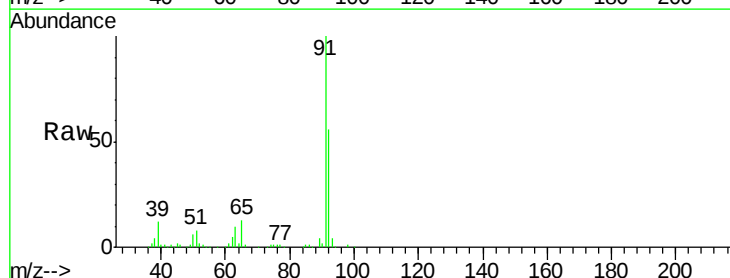
Acq: 25 Sep 2020 1:02

Tgt Ion: 92 Resp: 146744

Ion Ratio Lower Upper

92 100

91 177.4 139.7 209.5



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

150000

100000

50000

0

10.05

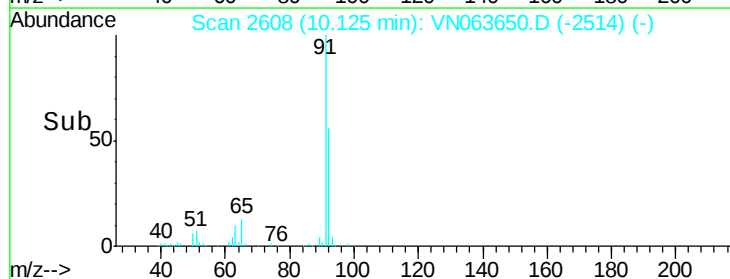
10.10

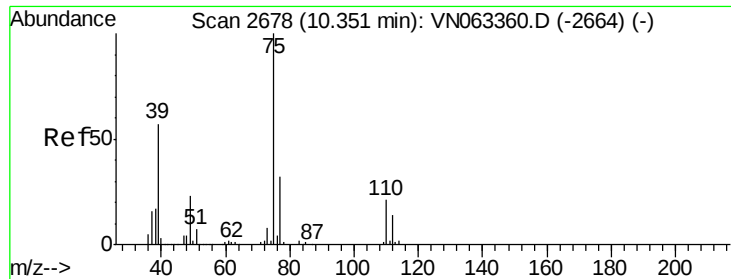
10.13

10.15

10.20

Time-->





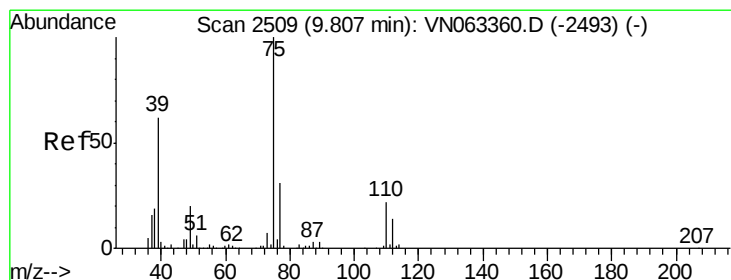
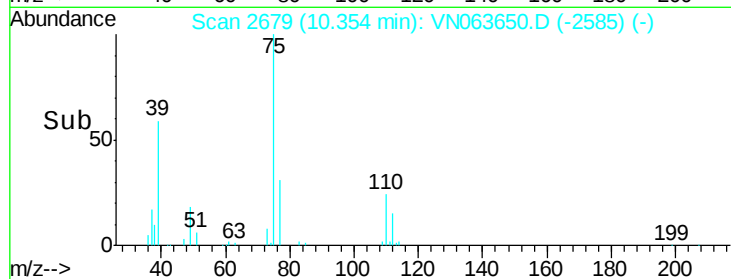
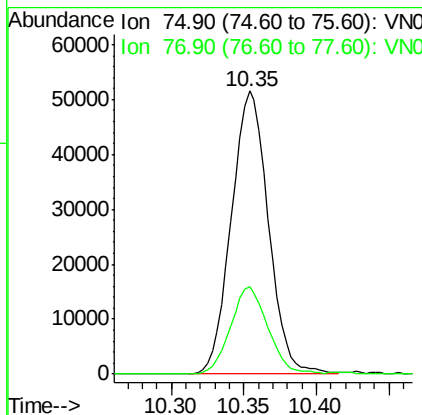
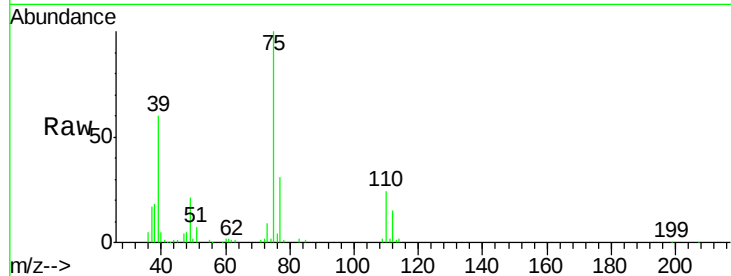
#53
t-1,3-Dichloropropene
Concen: 17.205 ug/l
RT: 10.35 min Scan# 2679
Delta R.T. 0.00 min
Lab File: VN063650.D
Acq: 25 Sep 2020 1:02

Instrument :
MSVOA_N
ClientSampleId :
VN0924WBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.4	38.2

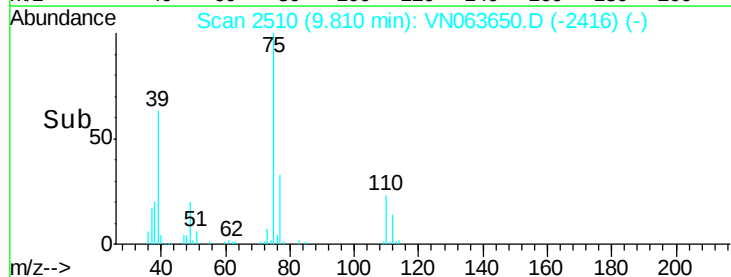
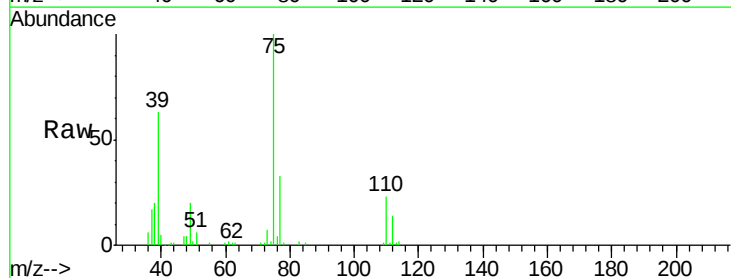
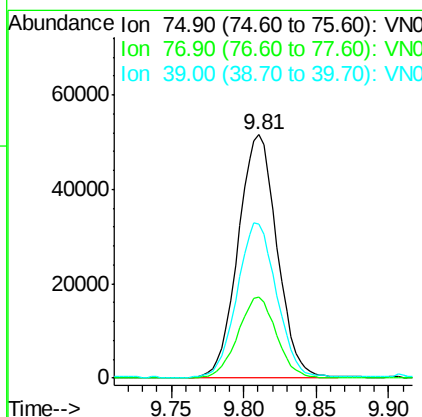
Manual Integrations
APPROVED

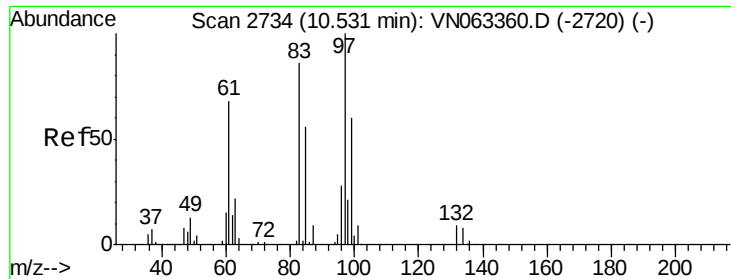
MMDadoda
9/28/2020 5:17:32 PM



#54
cis-1,3-Dichloropropene
Concen: 17.205 ug/l
RT: 9.81 min Scan# 2510
Delta R.T. 0.00 min
Lab File: VN063650.D
Acq: 25 Sep 2020 1:02

Tgt Ion	Ratio	Lower	Upper
75	100		
77	33.2	24.6	37.0
39	63.1	49.8	74.8





#55

1,1,2-Trichloroethane

Concen: 19.829 ug/l

RT: 10.53 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN063650.D

Acq: 25 Sep 2020 1:02

Instrument :

MSVOA_N

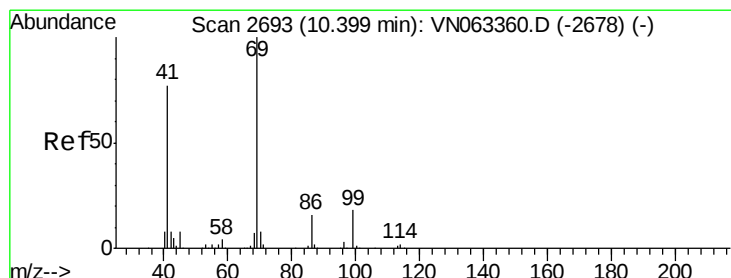
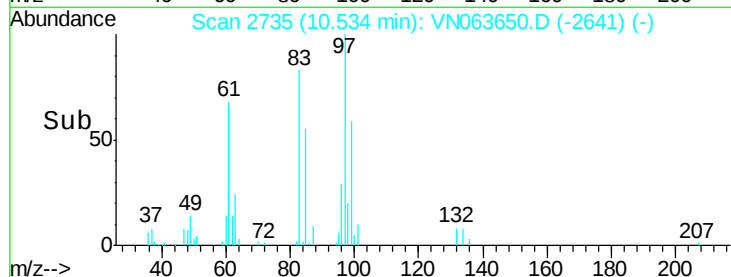
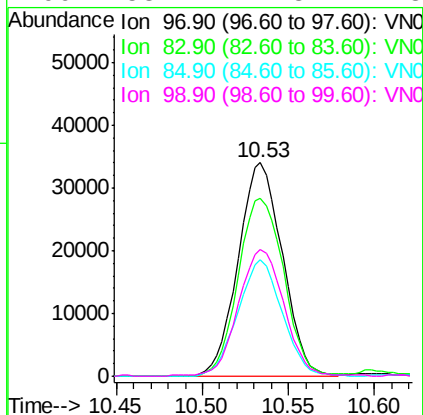
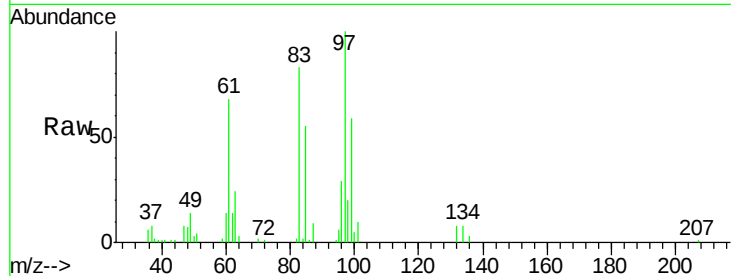
ClientSampleId :

VN0924WBSD02

Tot Ion:	97	Resp:	60766
Ion	Ratio	Lower	Upper
97	100		
83	83.4	68.9	103.3
85	54.6	44.8	67.2
99	58.7	47.8	71.8

Manual Integrations
APPROVED

MMDadoda
9/28/2020 5:17:32 PM



#56

Ethyl methacrylate

Concen: 17.068 ug/l

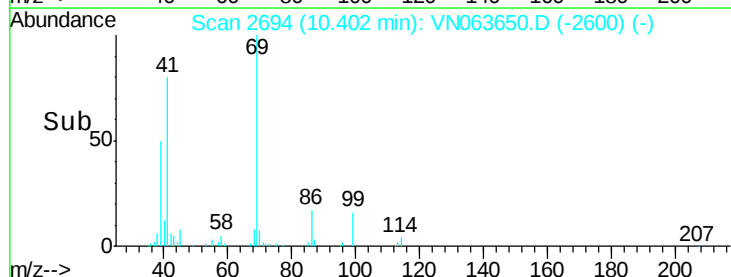
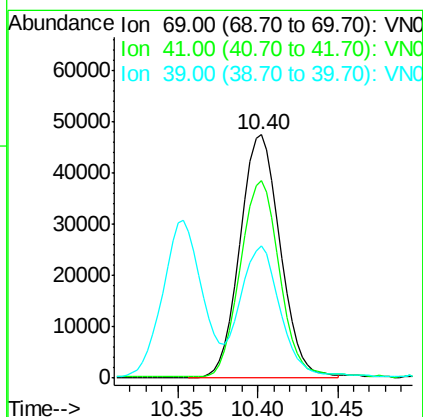
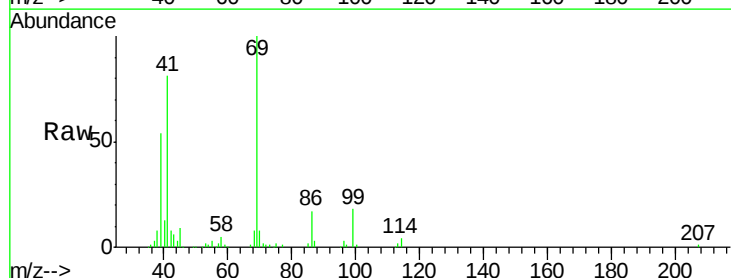
RT: 10.40 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VN063650.D

Acq: 25 Sep 2020 1:02

Tgt Ion:	69	Resp:	81651
Ion	Ratio	Lower	Upper
69	100		
41	79.0	61.0	91.6
39	53.1	39.2	58.8





#57

1,3-Dichloropropane

Concen: 18.796 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. 0.00 min

Lab File: VN063650.D

Acq: 25 Sep 2020 1:02

Instrument :

MSVOA_N

ClientSampleId :

VN0924WBSD02

Tot Ion: 76 Resp: 103868

Ion Ratio Lower Upper

76 100

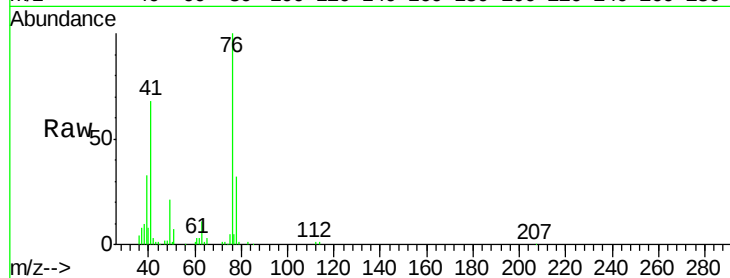
78 32.2 25.8 38.8

Manual Integrations

APPROVED

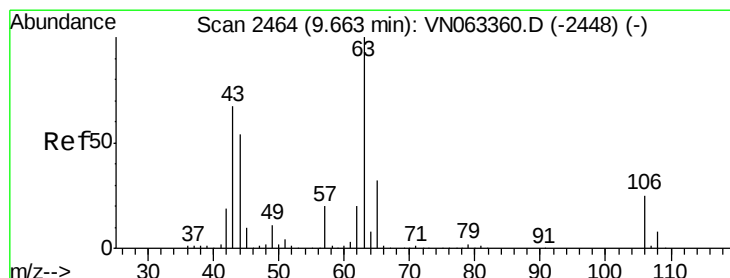
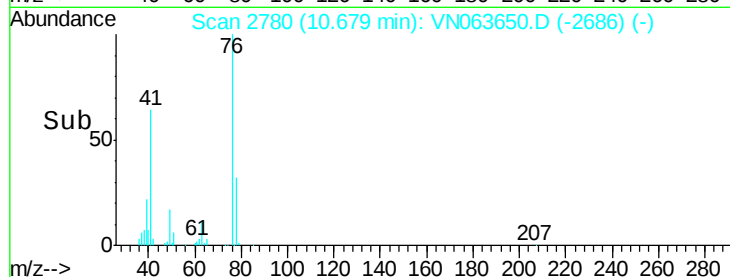
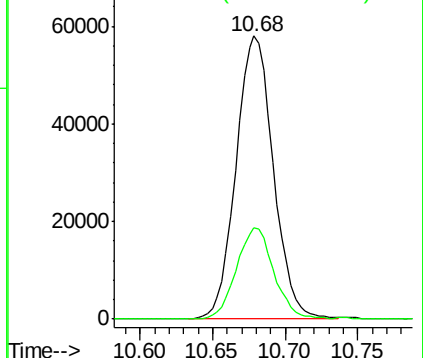
MMDadoda

9/28/2020 5:17:32 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 83.615 ug/l

RT: 9.67 min Scan# 2465

Delta R.T. 0.00 min

Lab File: VN063650.D

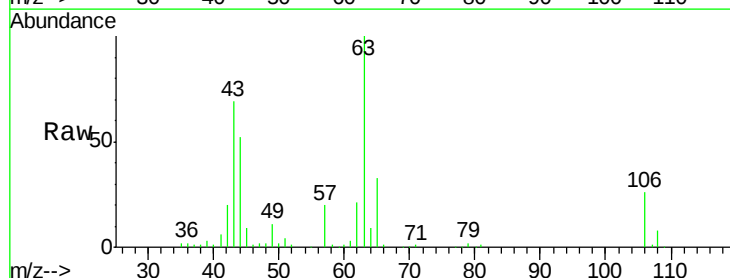
Acq: 25 Sep 2020 1:02

Tgt Ion: 63 Resp: 209836

Ion Ratio Lower Upper

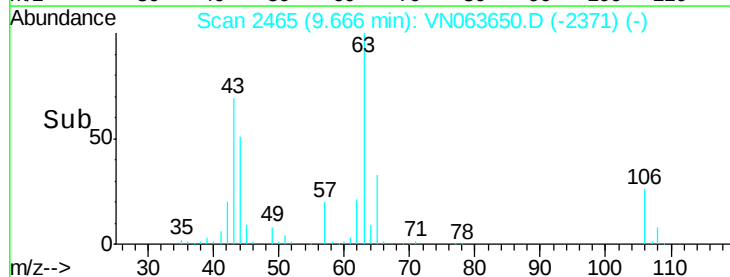
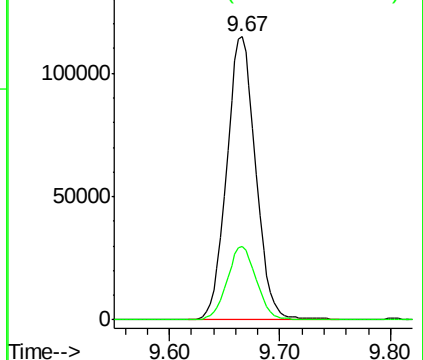
63 100

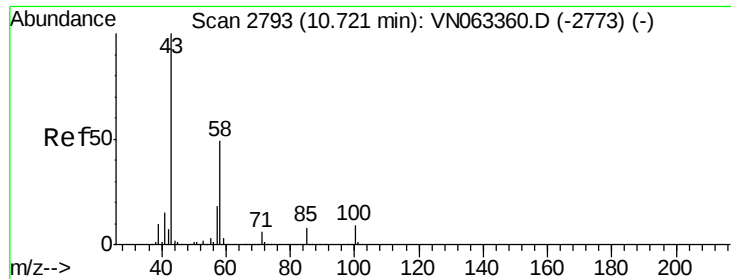
106 26.0 19.5 29.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





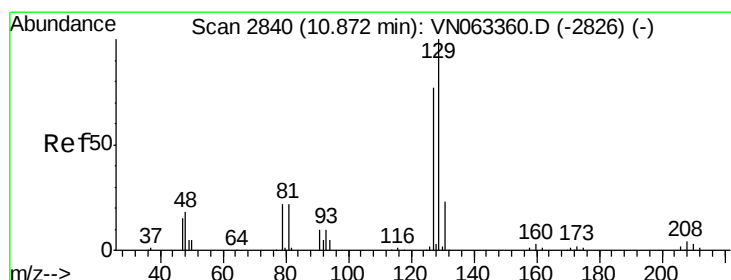
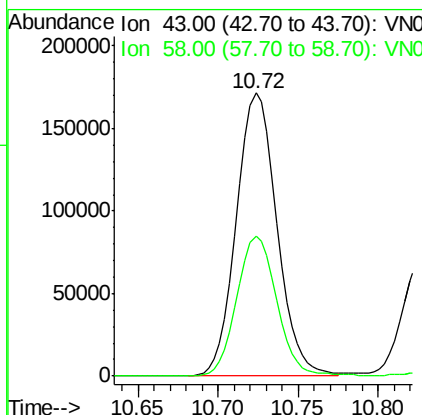
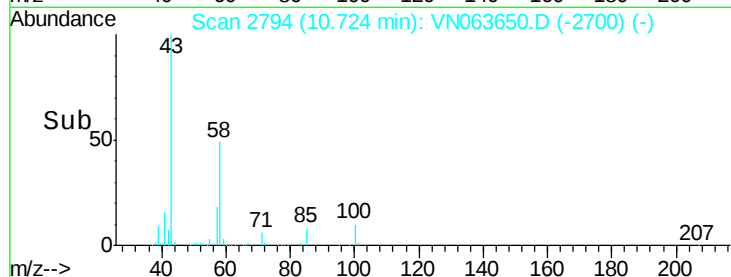
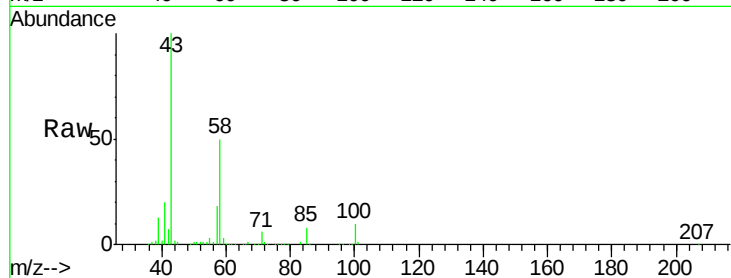
#59
2-Hexanone
Concen: 92.256 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN063650.D
Acq: 25 Sep 2020 1:02

Instrument :
MSVOA_N
ClientSampleId :
VN0924WBSD02

Tot Ion: 43 Resp: 295176
Ion Ratio Lower Upper
43 100
58 49.3 24.7 74.1

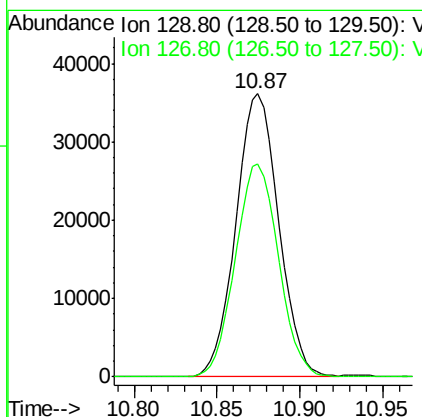
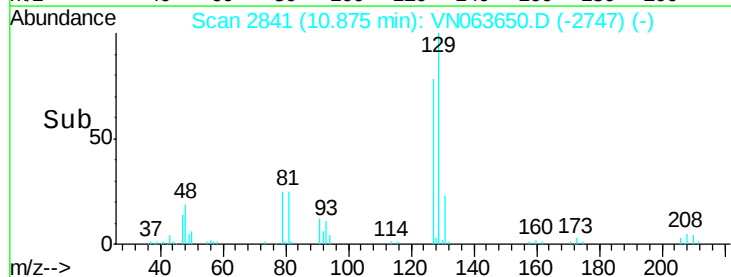
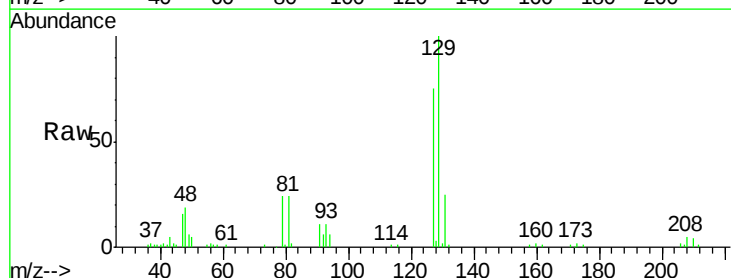
Manual Integrations
APPROVED

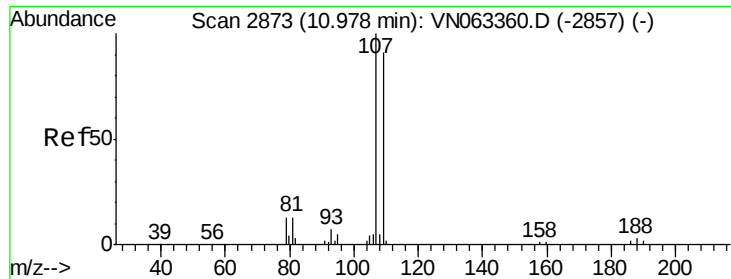
MMDadoda
9/28/2020 5:17:32 PM



#60
Dibromochloromethane
Concen: 18.790 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN063650.D
Acq: 25 Sep 2020 1:02

Tgt Ion: 129 Resp: 65050
Ion Ratio Lower Upper
129 100
127 76.0 39.1 117.3





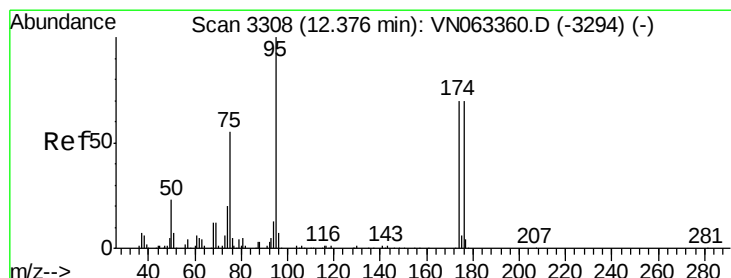
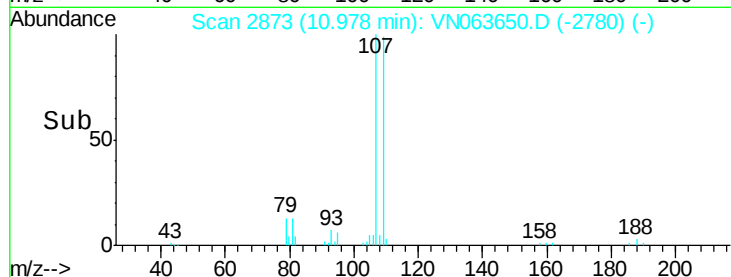
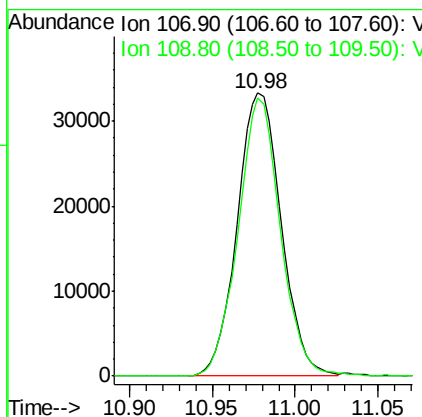
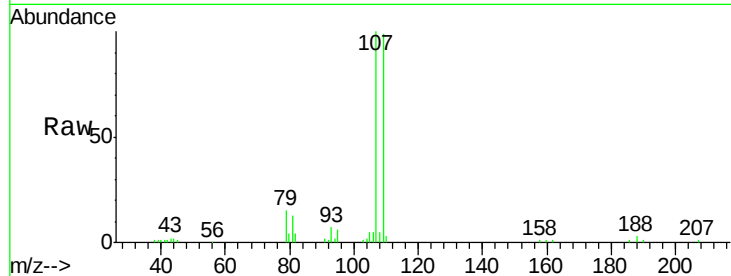
#61
 1,2-Dibromoethane
 Concen: 19.334 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. -0.00 min
 Lab File: VN063650.D
 Acq: 25 Sep 2020 1:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0924WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
107	100	61555		
109	94.2	74.6	111.8	

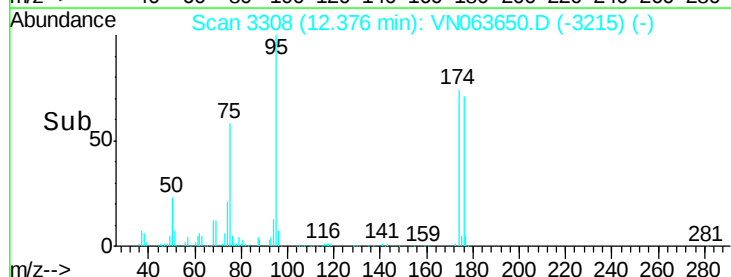
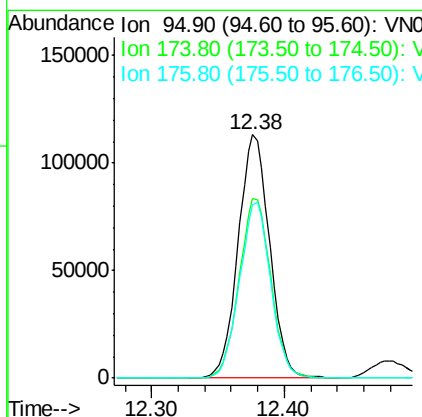
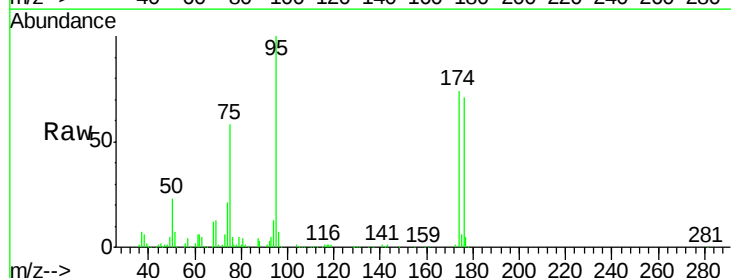
Manual Integrations
 APPROVED

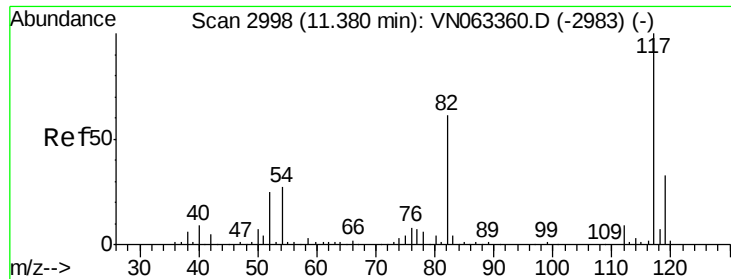
MMDadoda
 9/28/2020 5:17:32 PM



#62
 4-Bromofluorobenzene
 Concen: 46.355 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.00 min
 Lab File: VN063650.D
 Acq: 25 Sep 2020 1:02

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	186641		
174	74.7	0.0	140.8	
176	71.9	0.0	137.6	





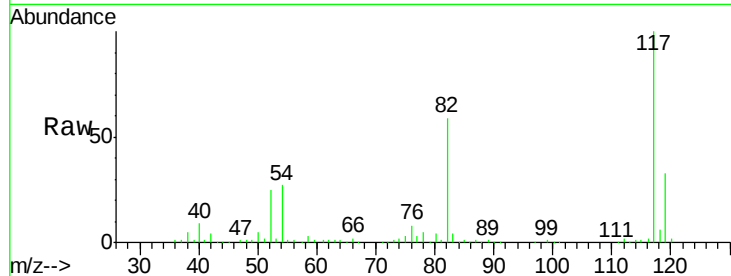
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063650.D
Acq: 25 Sep 2020 1:02

Instrument :
MSVOA_N
ClientSampleId :
VN0924WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.5	49.2	73.8
119	32.5	26.2	39.4

Manual Integrations
APPROVED

MMDadoda
9/28/2020 5:17:32 PM

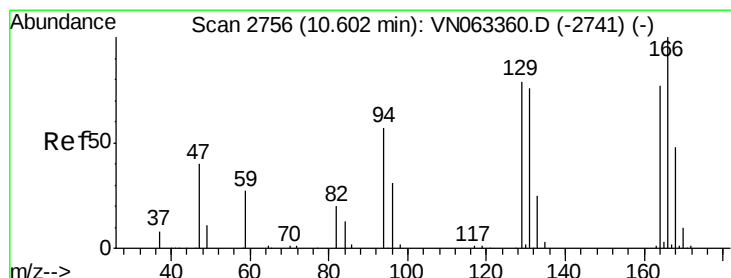
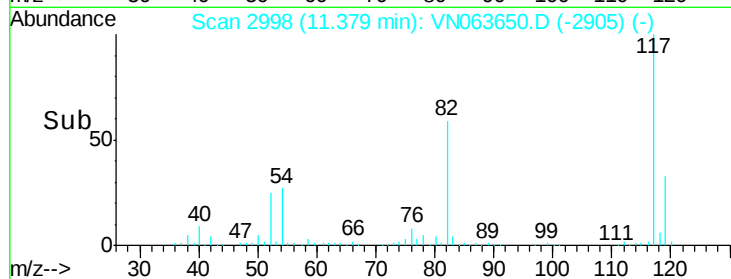
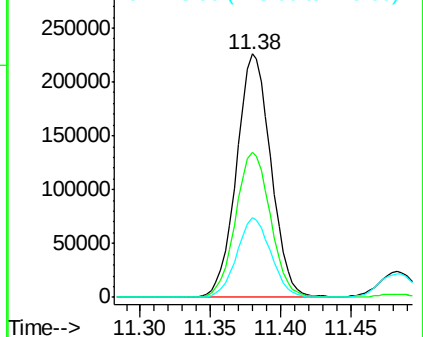


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 21.188 ug/l
RT: 10.60 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VN063650.D
Acq: 25 Sep 2020 1:02

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.7	103.4	155.0
129	100.9	81.8	122.6
131	92.1	78.2	117.4

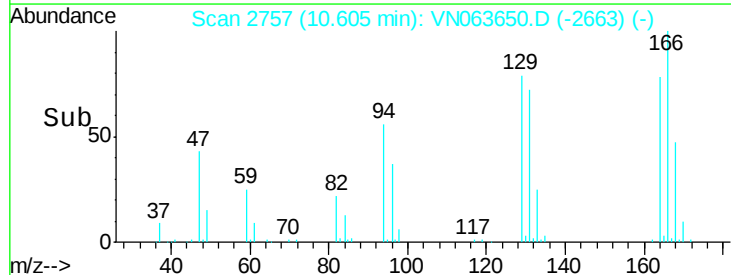
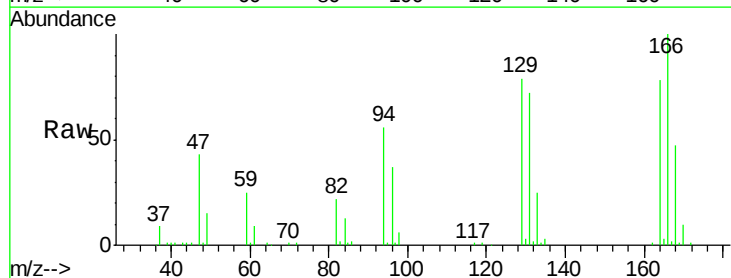
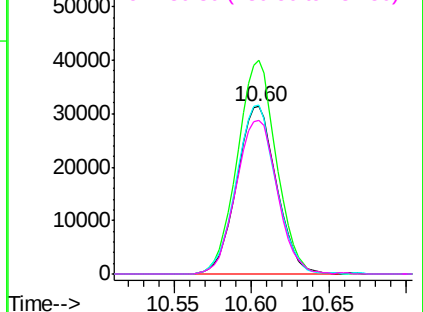
Abundance

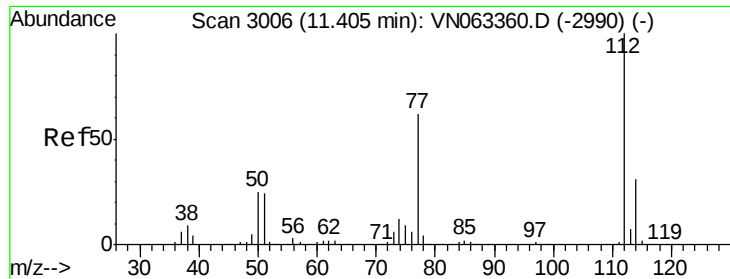
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





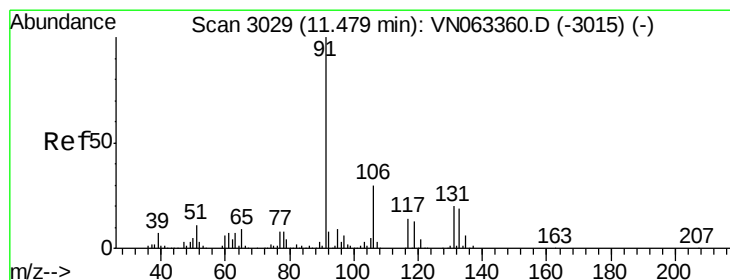
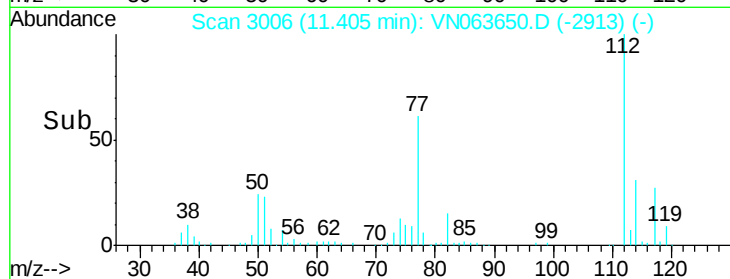
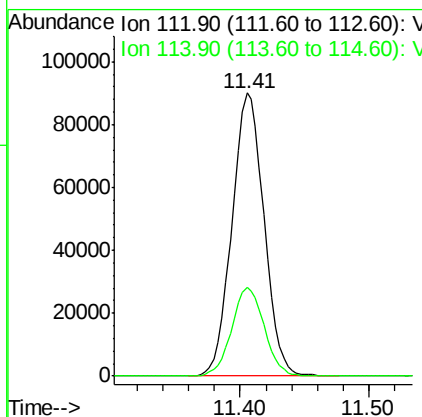
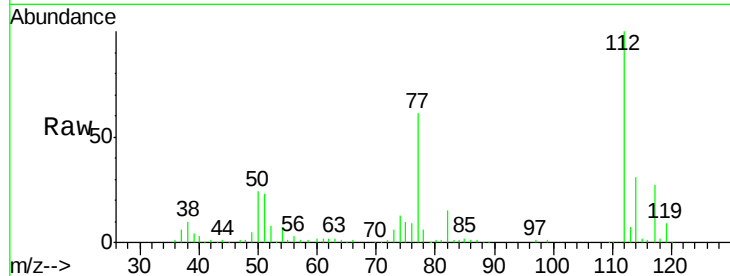
#65
Chlorobenzene
Concen: 18.885 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN063650.D
Acq: 25 Sep 2020 1:02

Instrument :
MSVOA_N
ClientSampled :
VN0924WBSD02

Tot Ion:112 Resp: 155360
Ion Ratio Lower Upper
112 100
114 31.2 25.0 37.6

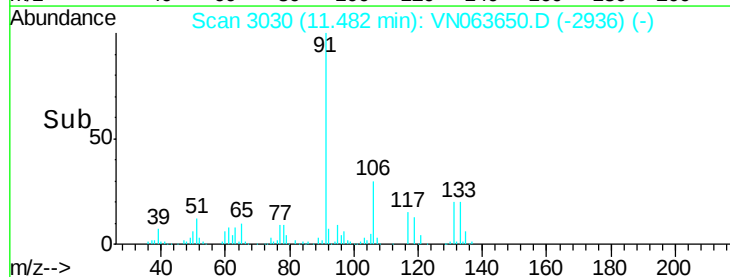
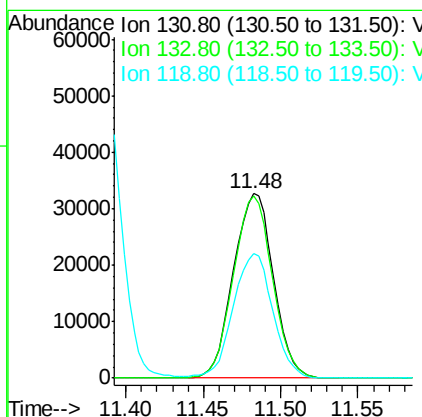
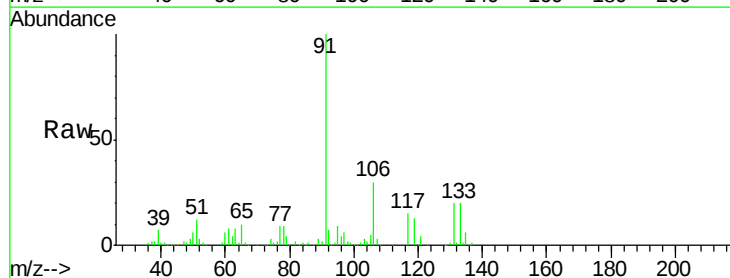
Manual Integrations
APPROVED

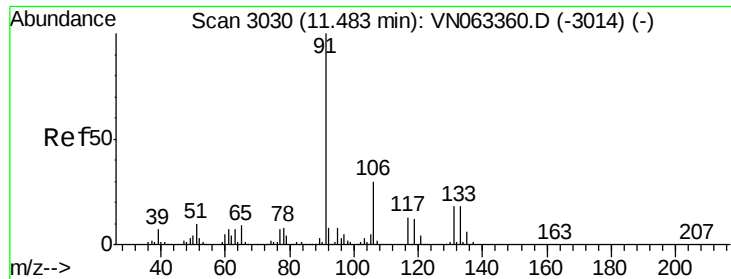
MMDadoda
9/28/2020 5:17:32 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.431 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN063650.D
Acq: 25 Sep 2020 1:02

Tgt Ion:131 Resp: 58596
Ion Ratio Lower Upper
131 100
133 96.8 47.3 141.9
119 66.8 33.6 100.8





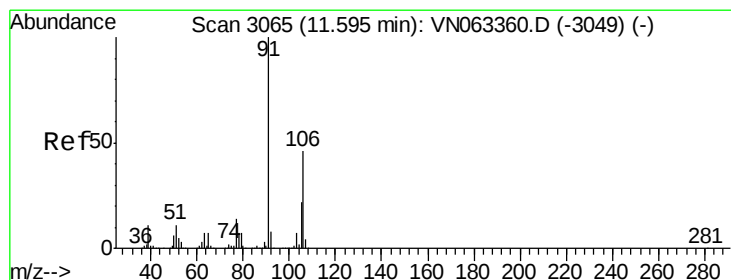
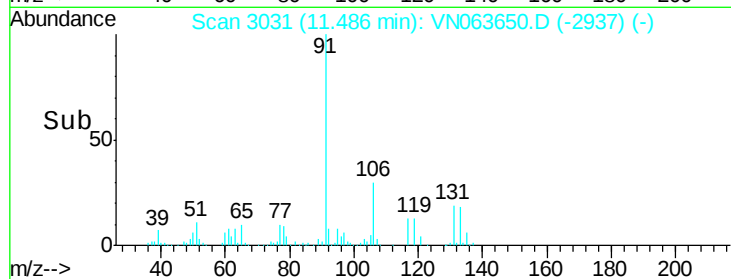
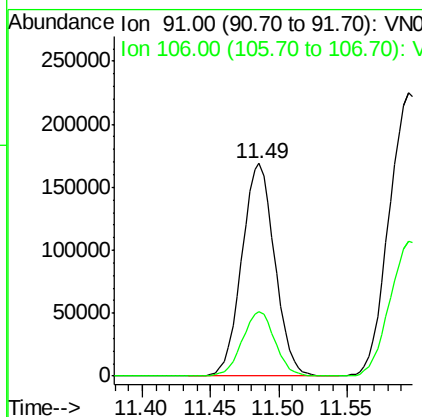
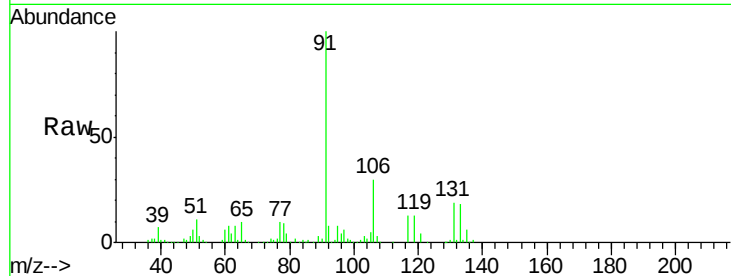
#67
Ethyl Benzene
Concen: 18.266 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. 0.00 min
Lab File: VN063650.D
Acq: 25 Sep 2020 1:02

Instrument :
MSVOA_N
ClientSampleId :
VN0924WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		282983		
106	30.1		23.8	35.6	

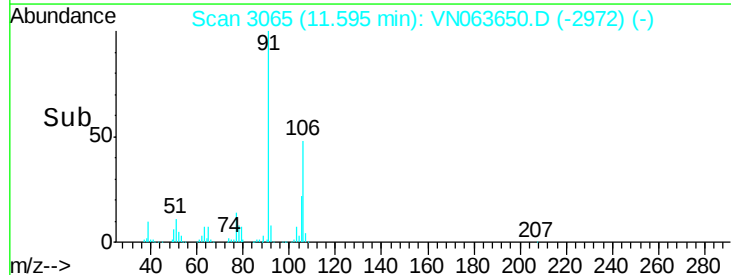
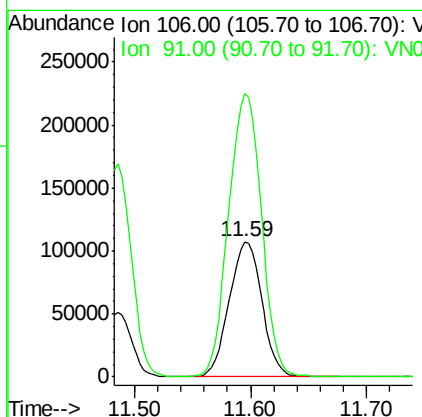
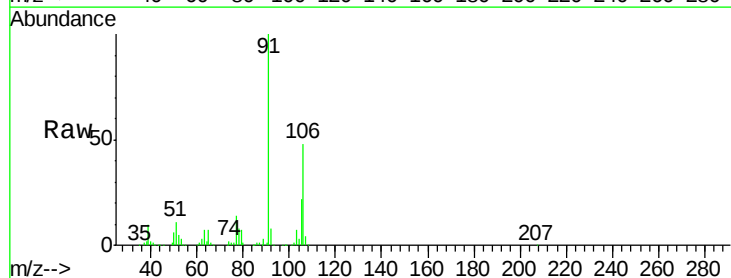
Manual Integrations
APPROVED

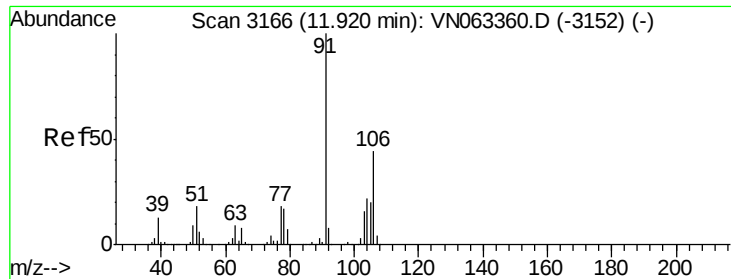
MMDadoda
9/28/2020 5:17:32 PM



#68
m/p-Xylenes
Concen: 37.534 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. -0.00 min
Lab File: VN063650.D
Acq: 25 Sep 2020 1:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		209660		
91	210.5		171.2	256.8	





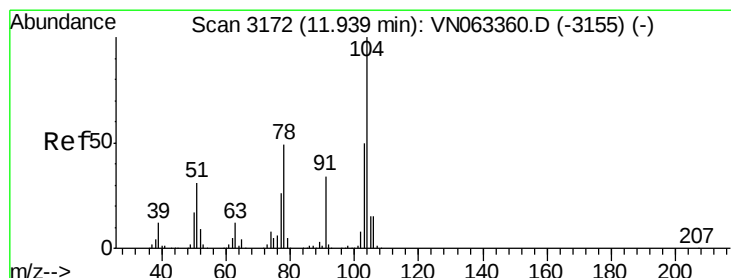
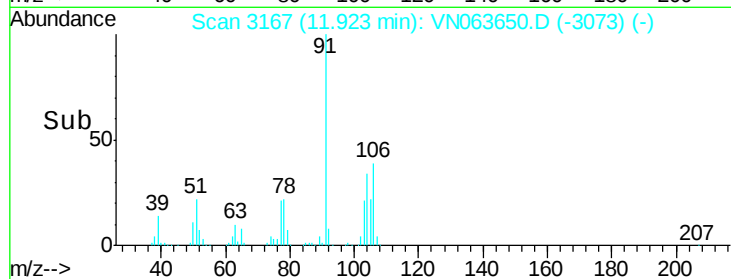
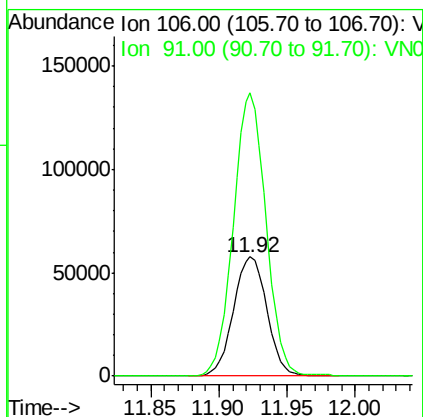
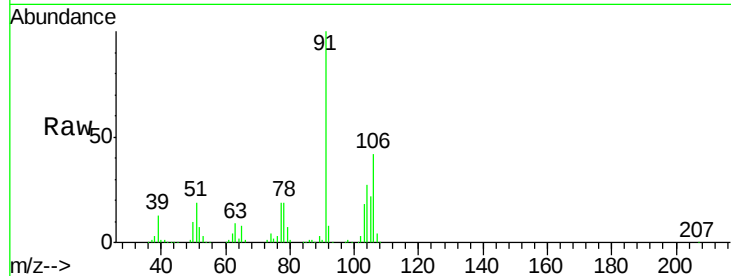
#69
o-Xylene
Concen: 18.502 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063650.D
Acq: 25 Sep 2020 1:02

Instrument :
MSVOA_N
ClientSampleId :
VN0924WBSD02

Tot Ion	Ratio	Lower	Upper
106	100		
91	230.9	113.6	340.8

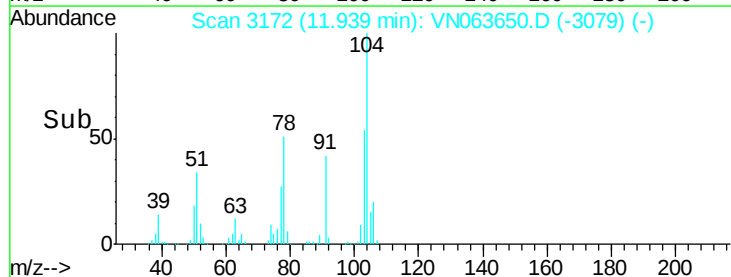
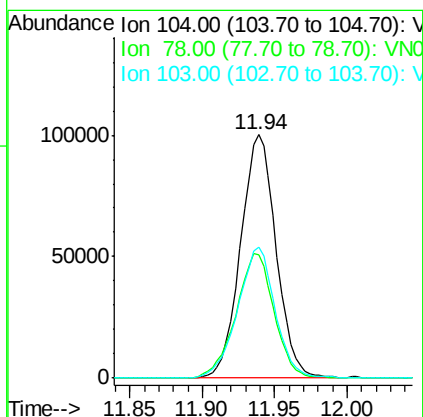
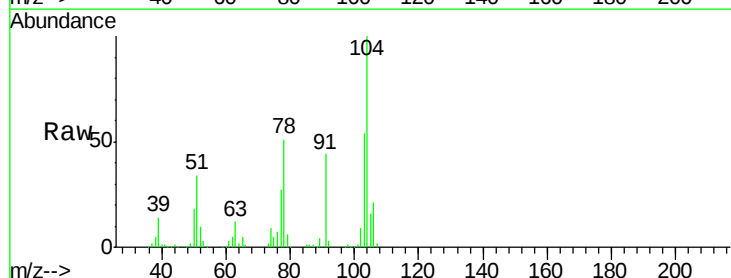
Manual Integrations
APPROVED

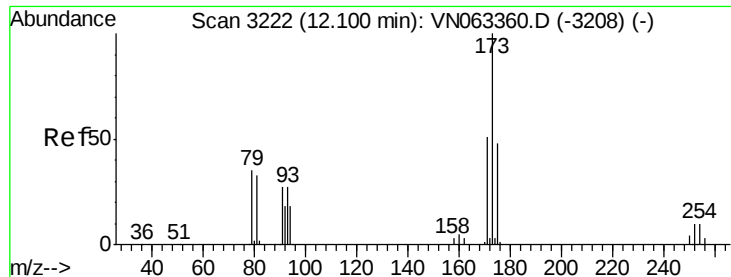
MMDadoda
9/28/2020 5:17:32 PM



#70
Styrene
Concen: 19.107 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. -0.00 min
Lab File: VN063650.D
Acq: 25 Sep 2020 1:02

Tgt Ion	Ratio	Lower	Upper
104	100		
78	55.2	44.4	66.6
103	57.0	43.7	65.5





#71

Bromoform

Concen: 18.444 ug/l

RT: 12.10 min Scan# 3223

Delta R.T. 0.00 min

Lab File: VN063650.D

Acq: 25 Sep 2020 1:02

Instrument :

MSVOA_N

ClientSampleId :

VN0924WBSD02

Tot Ion:173 Resp: 41436

Ion Ratio Lower Upper

173 100

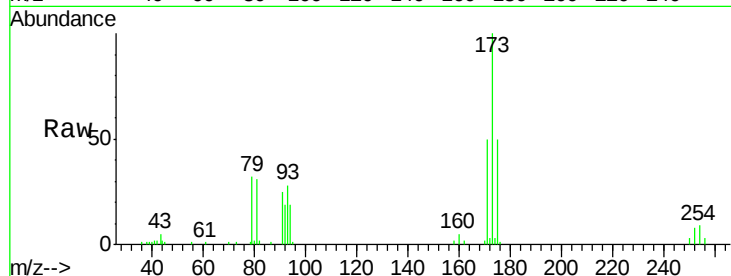
175 49.5 24.0 72.0

254 0.0 0.0 0.0

Manual Integrations
APPROVED

MMDadoda

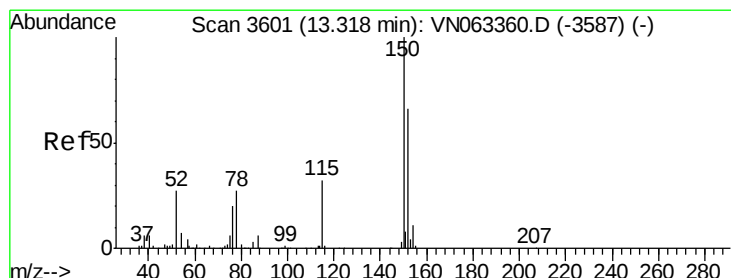
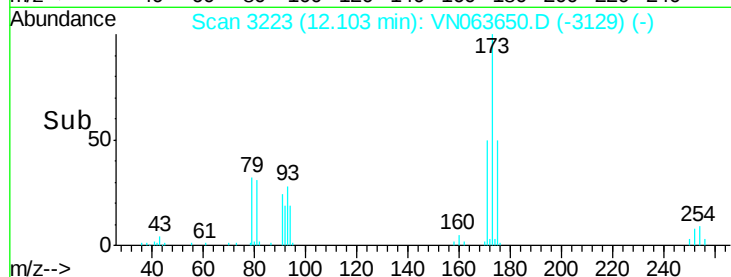
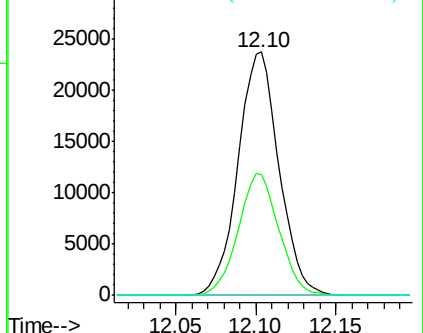
9/28/2020 5:17:32 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VN063650.D

Acq: 25 Sep 2020 1:02

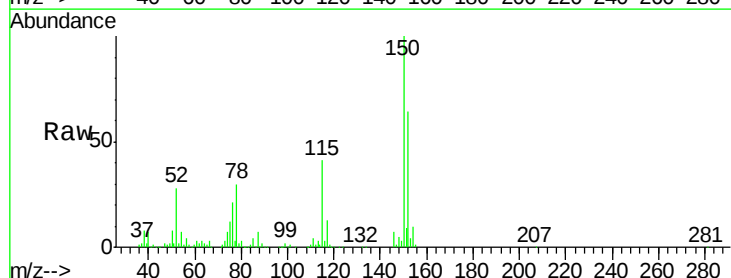
Tgt Ion:152 Resp: 183513

Ion Ratio Lower Upper

152 100

115 62.7 32.2 96.6

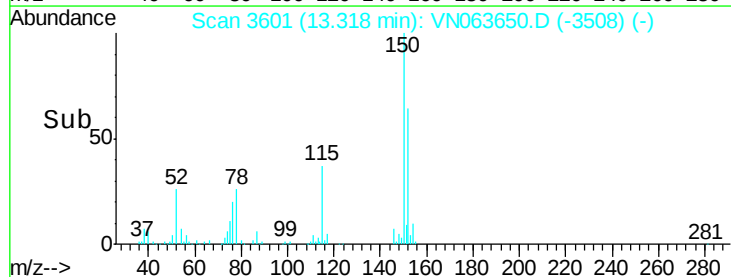
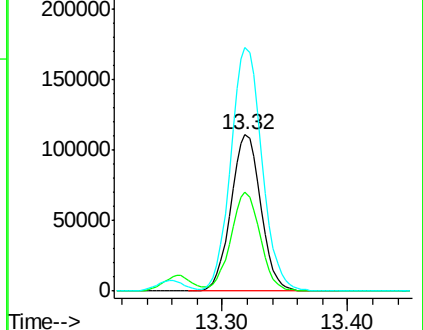
150 161.0 0.0 343.4

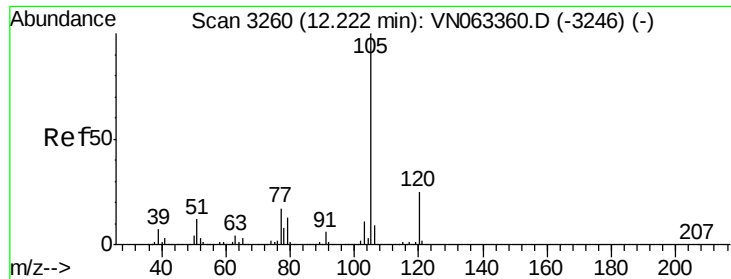


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.305 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN063650.D

Acq: 25 Sep 2020 1:02

Instrument :

MSVOA_N

ClientSampleId :

VN0924WBSD02

Tot Ion: 105 Resp: 269187

Ion Ratio Lower Upper

105 100

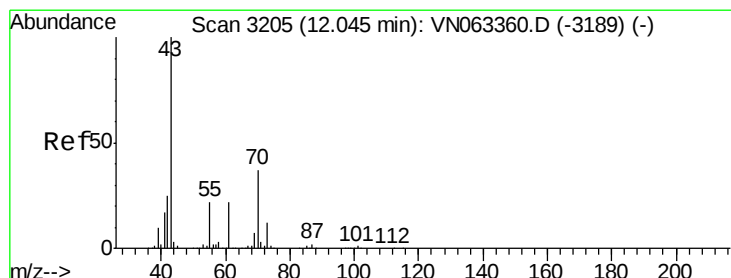
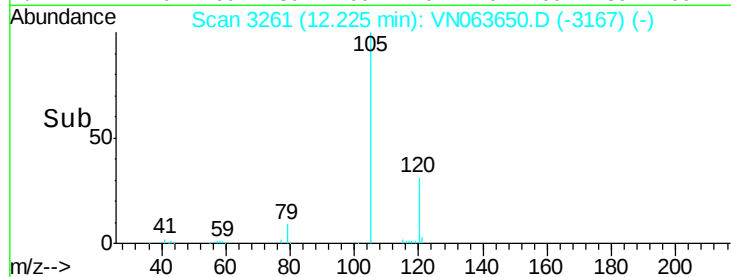
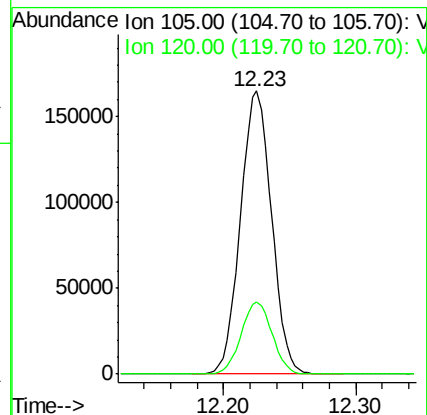
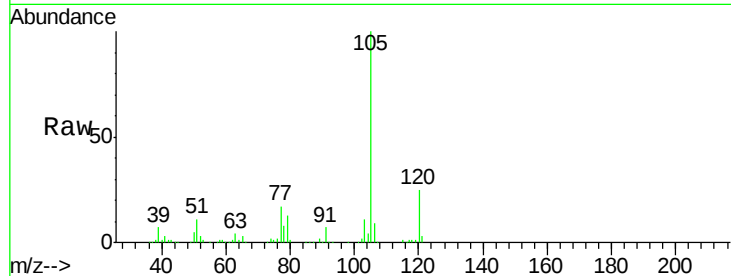
120 25.4 12.7 38.0

Manual Integrations

APPROVED

MMDadoda

9/28/2020 5:17:32 PM



#74

N-ethyl acetate

Concen: 16.673 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. -0.00 min

Lab File: VN063650.D

Acq: 25 Sep 2020 1:02

Tgt Ion: 43 Resp: 116063

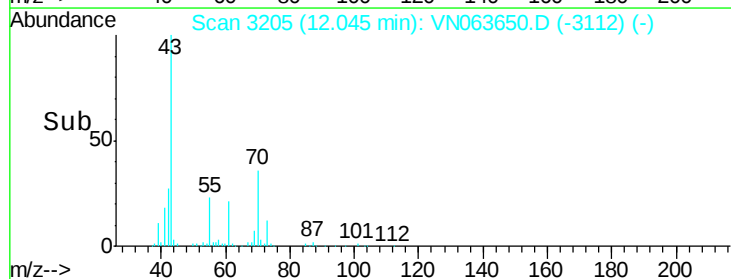
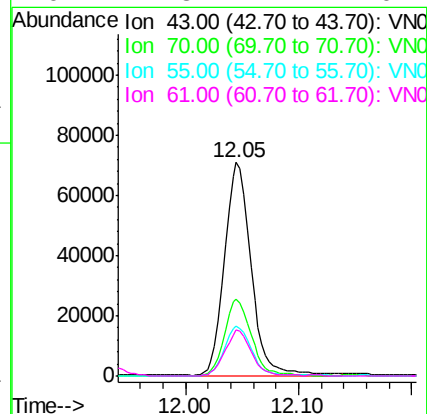
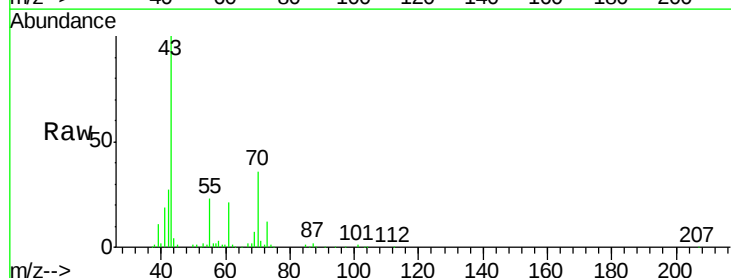
Ion Ratio Lower Upper

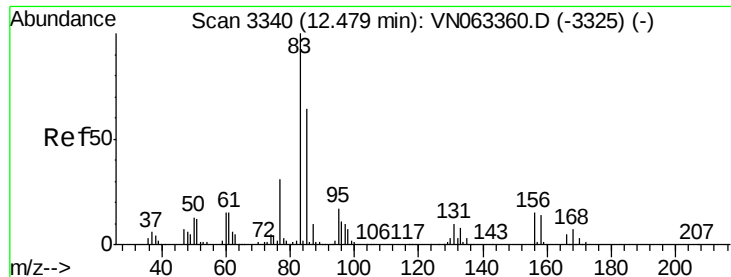
43 100

70 36.4 29.6 44.4

55 23.6 17.7 26.5

61 21.3 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 18.811 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. -0.00 min

Lab File: VN063650.D

Acq: 25 Sep 2020 1:02

Instrument :

MSVOA_N

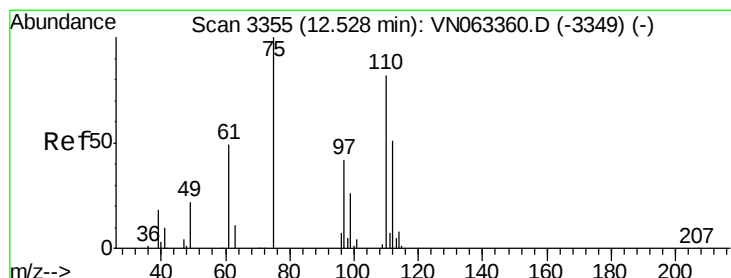
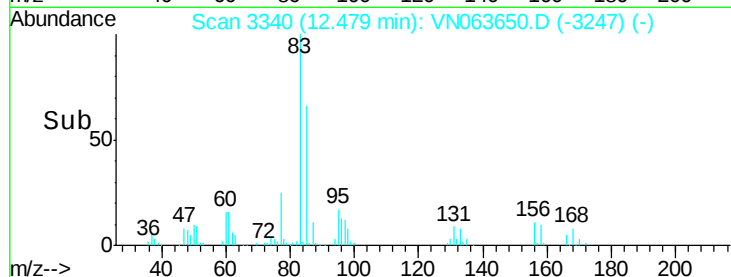
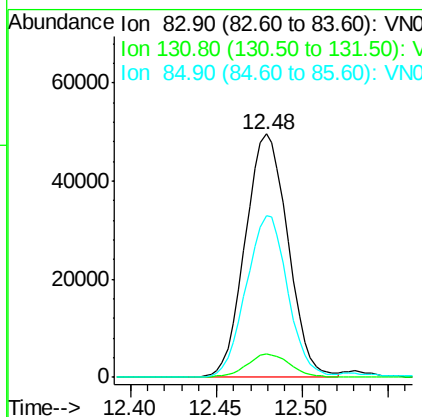
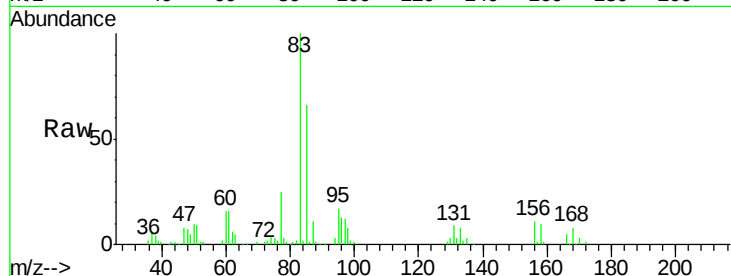
ClientSampleId :

VN0924WBSD02

Tot Ion:	83	Resp:	85652
Ion Ratio	Lower	Upper	
83	100		
131	9.7	4.9	14.7
85	64.4	32.0	96.0

Manual Integrations
APPROVED

MMDadoda
9/28/2020 5:17:32 PM



#76

1,2,3-Trichloropropane

Concen: 18.896 ug/l m

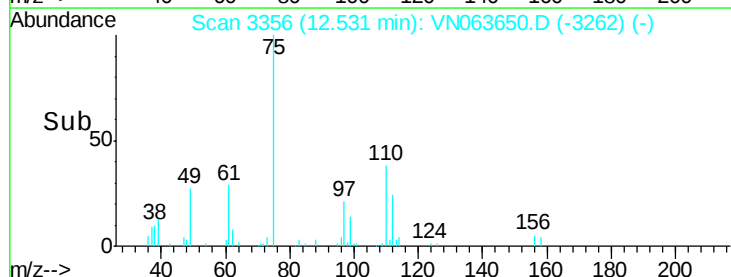
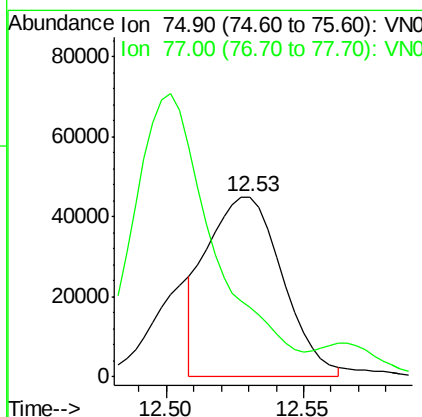
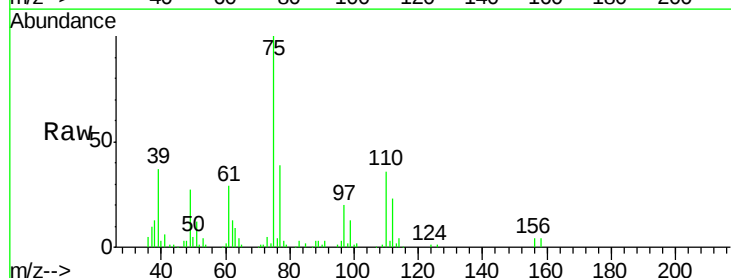
RT: 12.53 min Scan# 3356

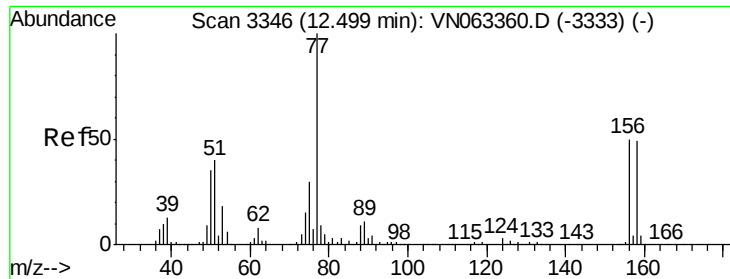
Delta R.T. 0.00 min

Lab File: VN063650.D

Acq: 25 Sep 2020 1:02

Tgt Ion:	75	Resp:	85829
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.636 ug/l

RT: 12.50 min Scan# 3347

Delta R.T. 0.00 min

Lab File: VN063650.D

Acq: 25 Sep 2020 1:02

Instrument :

MSVOA_N

ClientSampleId :

VN0924WBSD02

Tot Ion:156 Resp: 64956

Ion Ratio Lower Upper

156 100

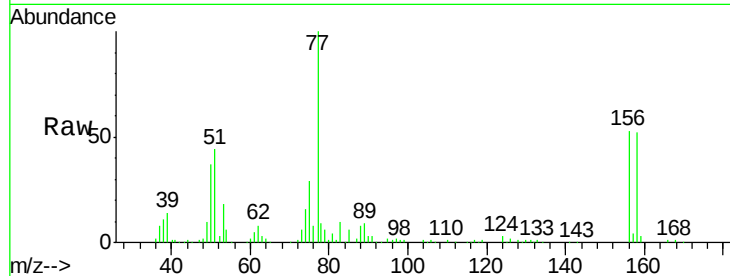
77 226.2 120.2 360.6

158 98.6 48.9 146.6

Manual Integrations
APPROVED

MMDadoda

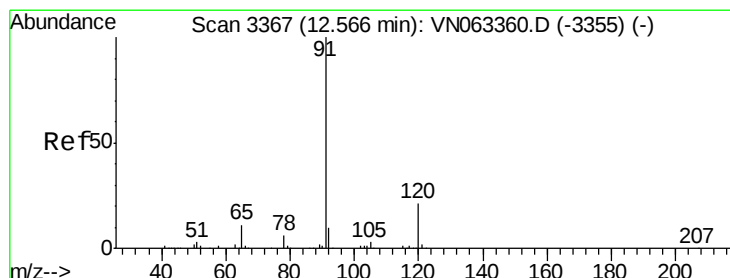
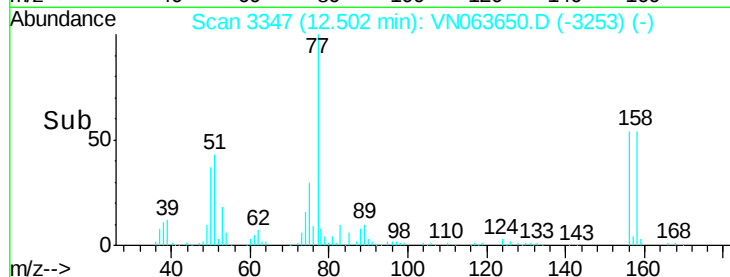
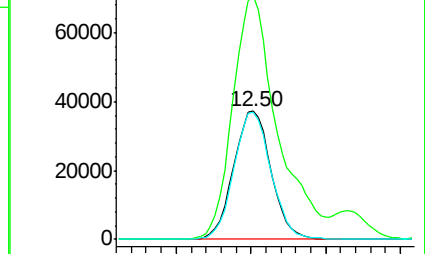
9/28/2020 5:17:32 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.240 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. -0.00 min

Lab File: VN063650.D

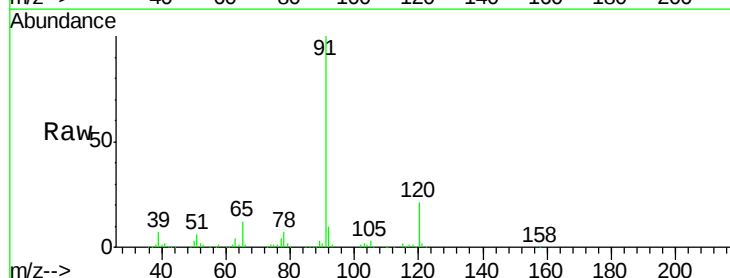
Acq: 25 Sep 2020 1:02

Tgt Ion: 91 Resp: 312414

Ion Ratio Lower Upper

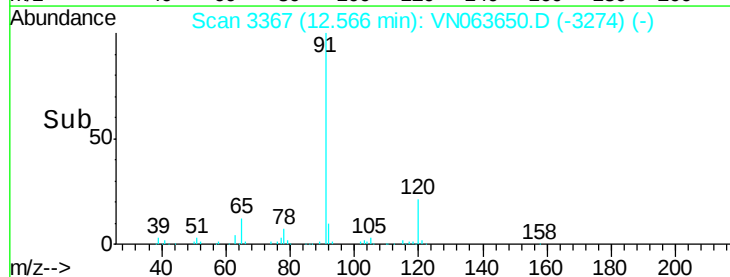
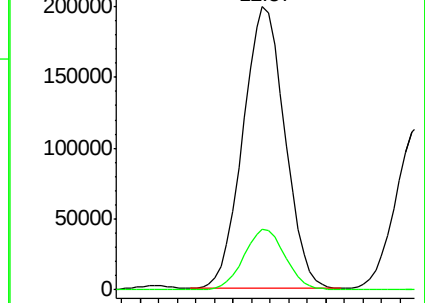
91 100

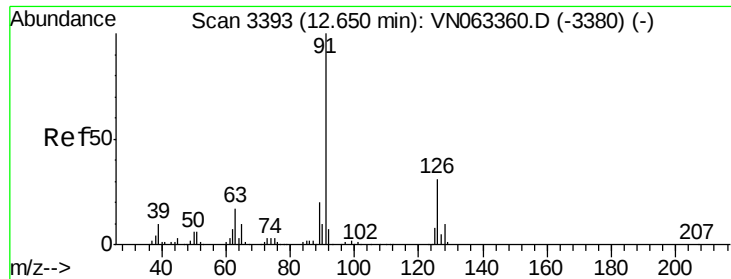
120 21.3 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.464 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. -0.00 min

Lab File: VN063650.D

Acq: 25 Sep 2020 1:02

Instrument :

MSVOA_N

ClientSampleId :

VN0924WBSD02

Tot Ion: 91 Resp: 189574

Ion Ratio Lower Upper

91 100

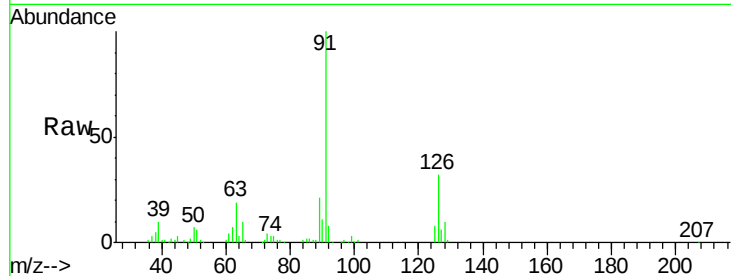
126 32.1 15.8 47.3

Manual Integrations

APPROVED

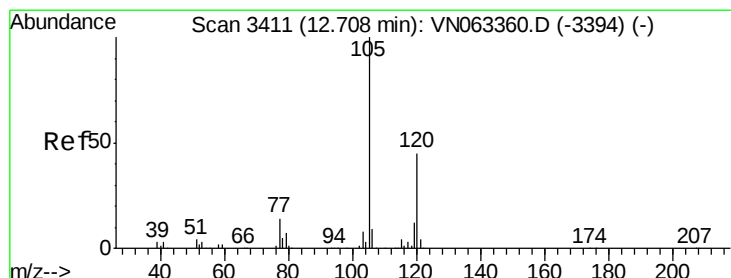
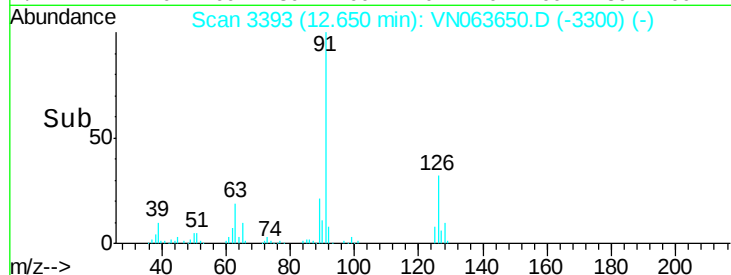
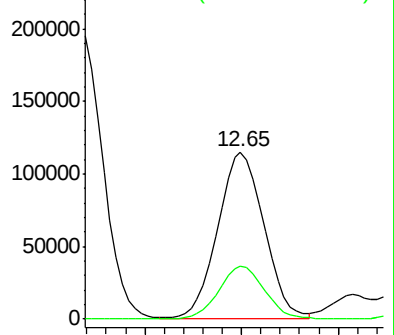
MMDadoda

9/28/2020 5:17:32 PM



Abundance Ion 91.00 (90.70 to 91.70): VN063360.D (-3380) (-)

Ion 125.90 (125.60 to 126.60): VN063360.D (-3380) (-)



#80

1,3,5-Trimethylbenzene

Concen: 18.546 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN063650.D

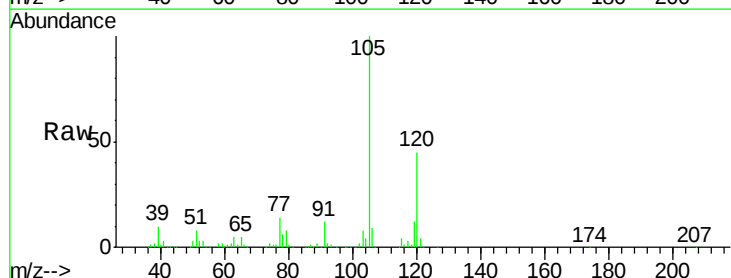
Acq: 25 Sep 2020 1:02

Tgt Ion: 105 Resp: 227421

Ion Ratio Lower Upper

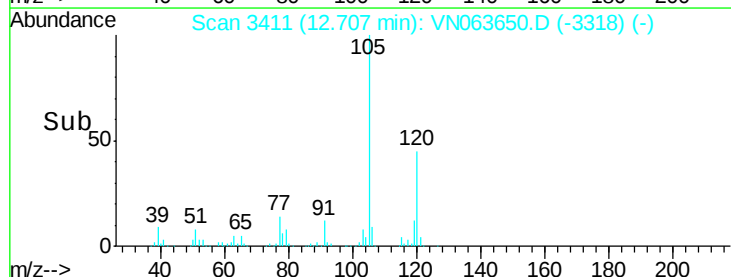
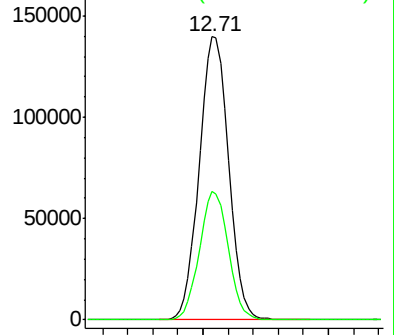
105 100

120 44.6 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): VN063360.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN063360.D (-3394) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 14.763 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN063650.D

Acq: 25 Sep 2020 1:02

Instrument :

MSVOA_N

ClientSampleId :

VN0924WBSD02

Tot Ion: 75 Resp: 24459

Ion Ratio Lower Upper

75 100

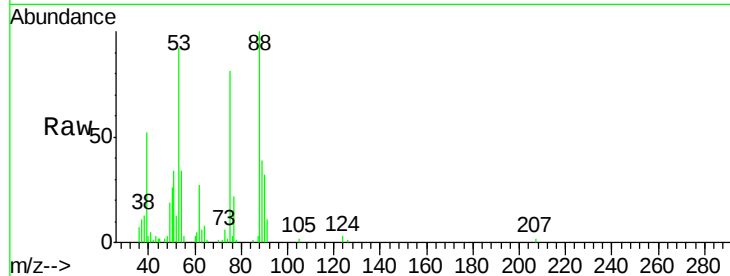
53 117.6 85.7 128.5

89 45.7 38.0 57.0

Manual Integrations
APPROVED

MMDadoda

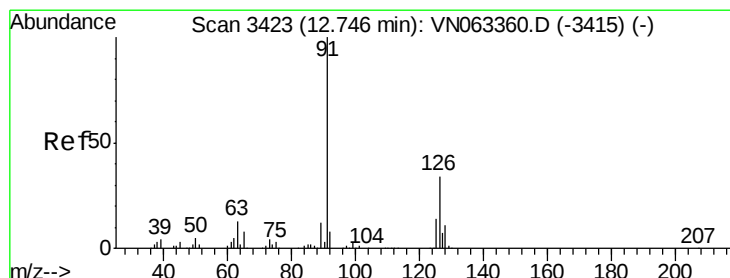
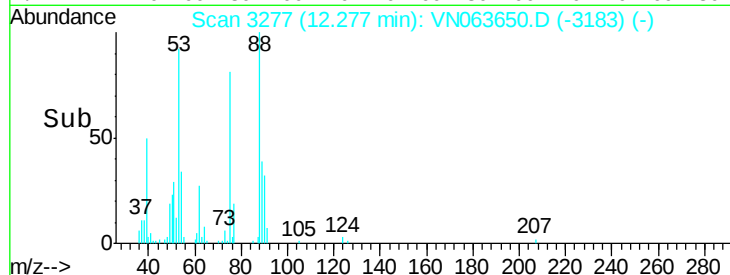
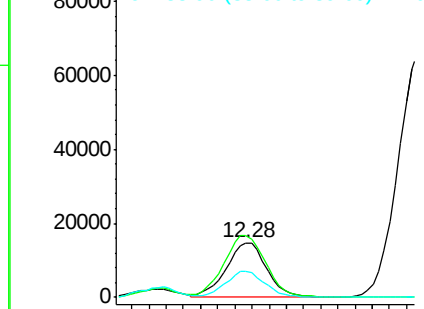
9/28/2020 5:17:32 PM



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 18.111 ug/l

RT: 12.75 min Scan# 3424

Delta R.T. 0.00 min

Lab File: VN063650.D

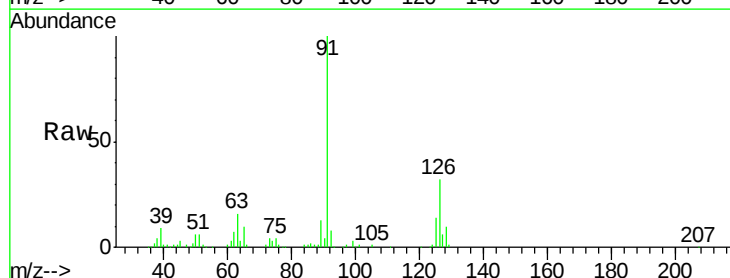
Acq: 25 Sep 2020 1:02

Tgt Ion: 91 Resp: 196478

Ion Ratio Lower Upper

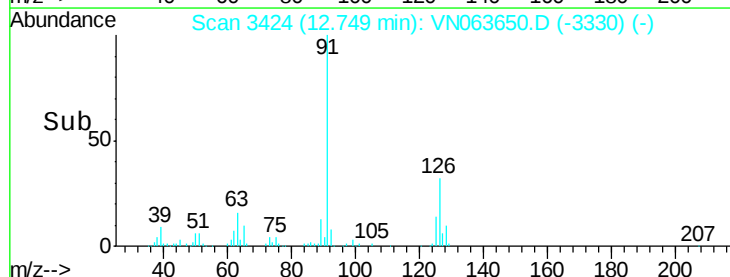
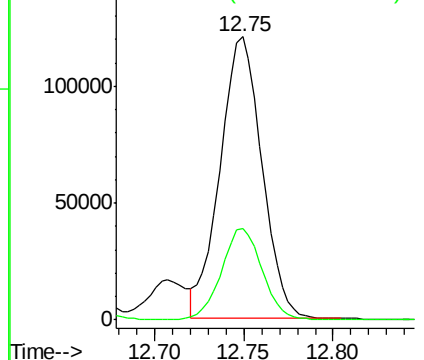
91 100

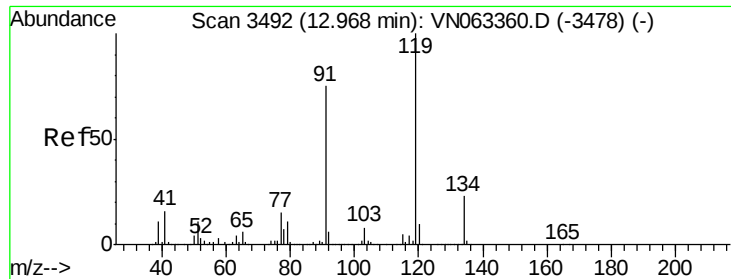
126 31.3 15.5 46.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





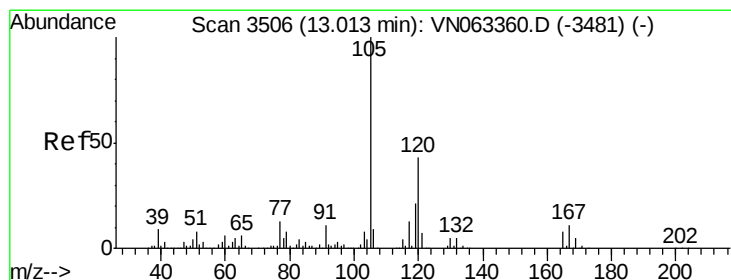
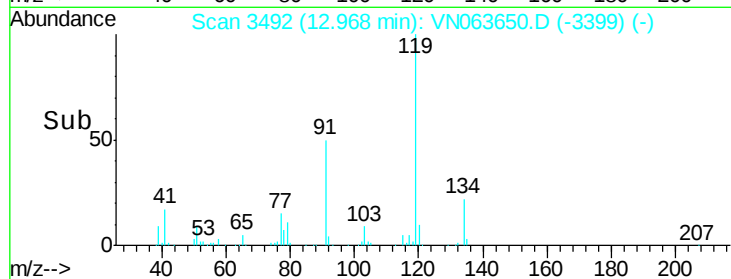
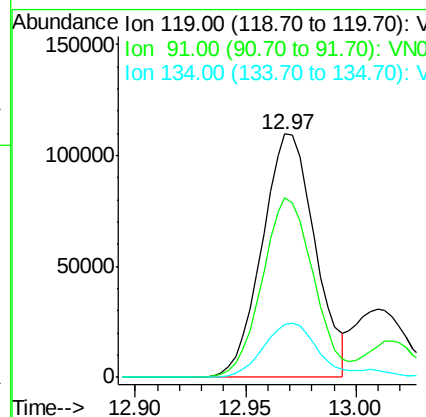
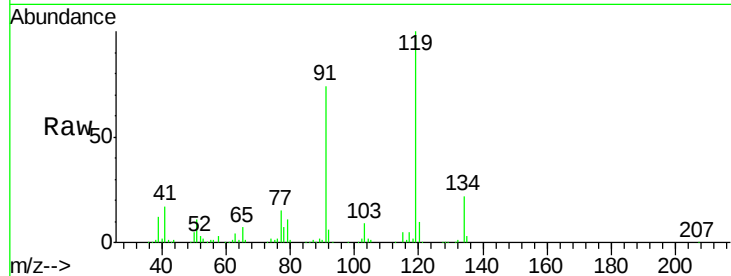
#83
 tert-Butylbenzene
 Concen: 18.022 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. -0.00 min
 Lab File: VN063650.D
 Acq: 25 Sep 2020 1:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0924WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	182395		
91	71.9	36.3	108.9	
134	22.8	12.3	36.8	

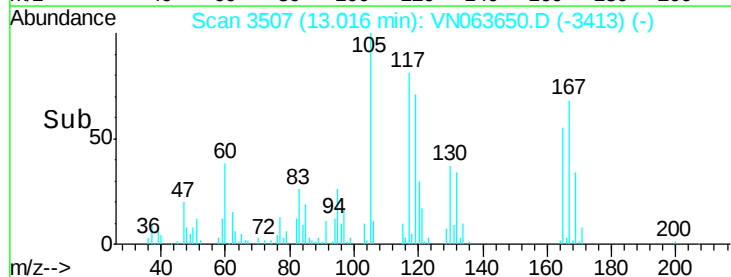
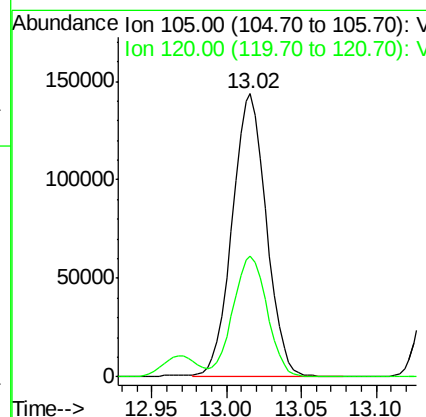
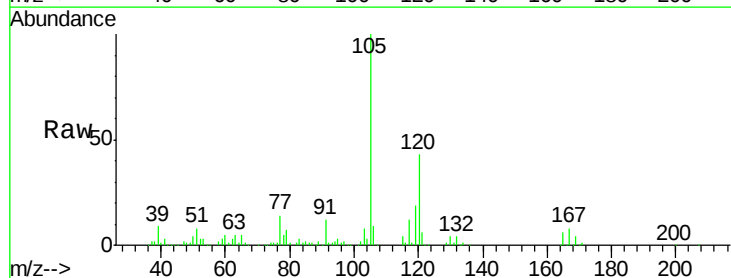
Manual Integrations
 APPROVED

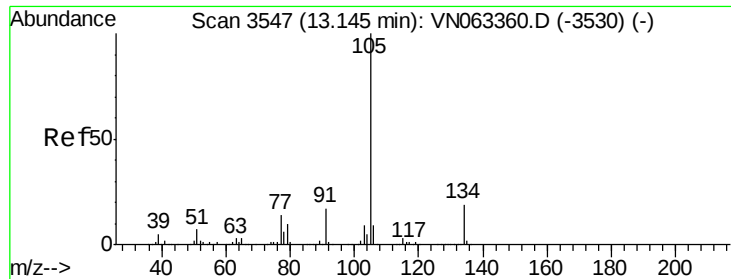
MMDadoda
 9/28/2020 5:17:32 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 18.340 ug/l
 RT: 13.02 min Scan# 3507
 Delta R.T. 0.00 min
 Lab File: VN063650.D
 Acq: 25 Sep 2020 1:02

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	227163		
120	43.2	21.3	63.9	





#85

sec-Butylbenzene

Concen: 17.730 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN063650.D

Acq: 25 Sep 2020 1:02

Instrument :

MSVOA_N

ClientSampleId :

VN0924WBSD02

Tot Ion:105 Resp: 240197

Ion Ratio Lower Upper

105 100

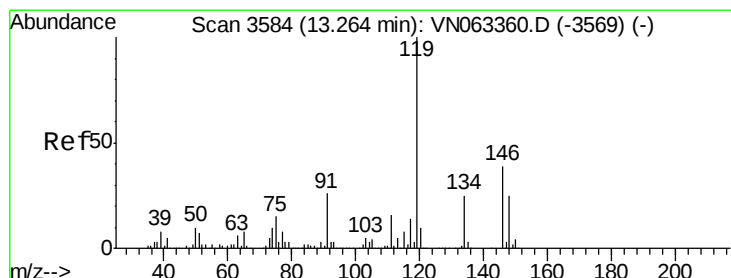
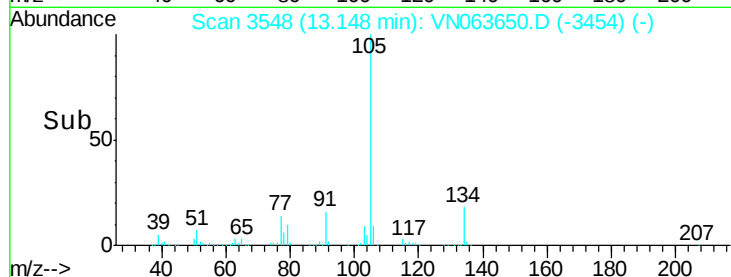
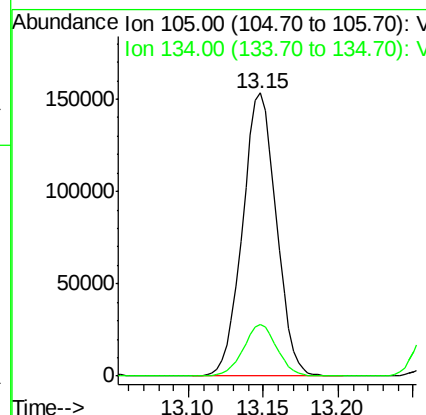
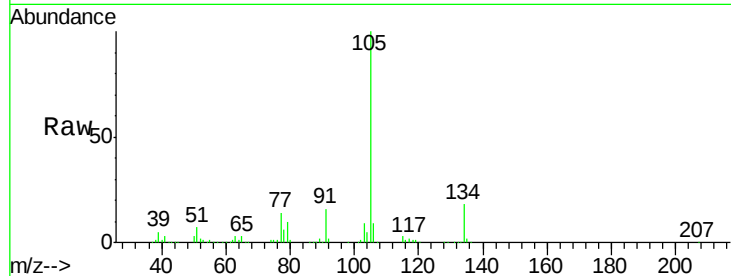
134 18.1 9.3 27.7

Manual Integrations

APPROVED

MMDadoda

9/28/2020 5:17:32 PM



#86

p-Isopropyltoluene

Concen: 17.818 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. -0.00 min

Lab File: VN063650.D

Acq: 25 Sep 2020 1:02

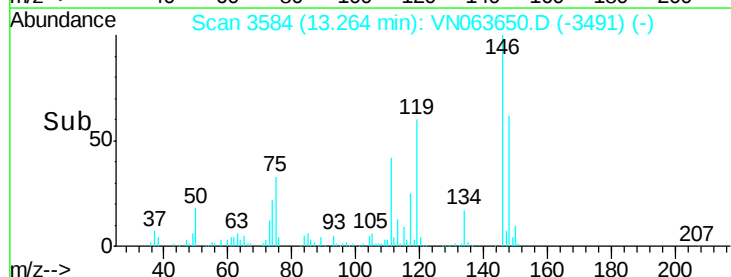
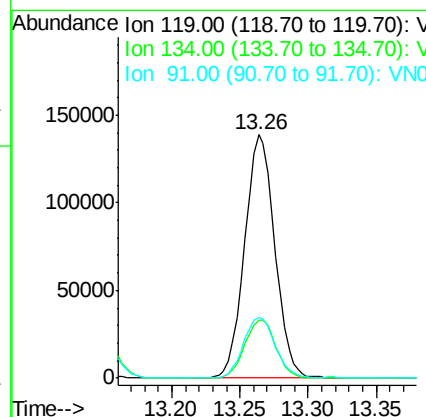
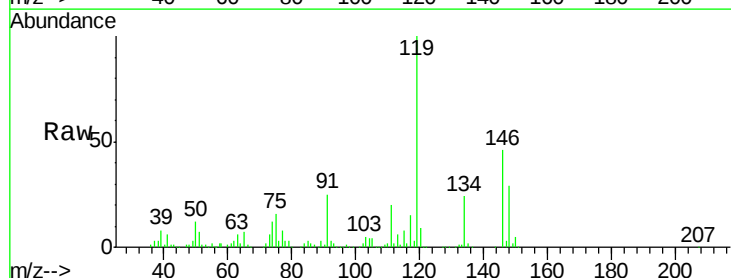
Tgt Ion:119 Resp: 212904

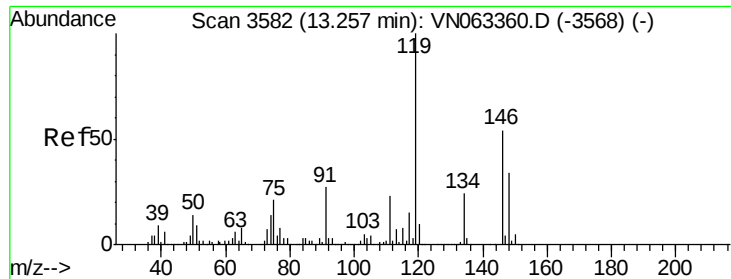
Ion Ratio Lower Upper

119 100

134 24.7 12.5 37.5

91 26.3 13.4 40.1





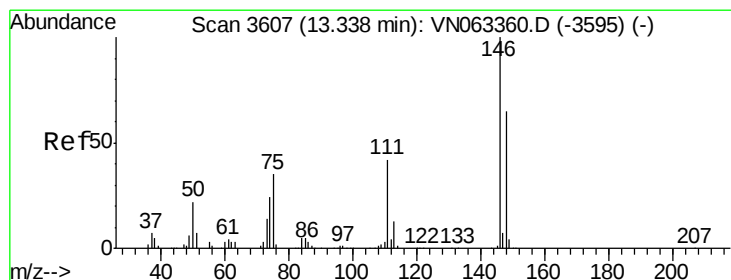
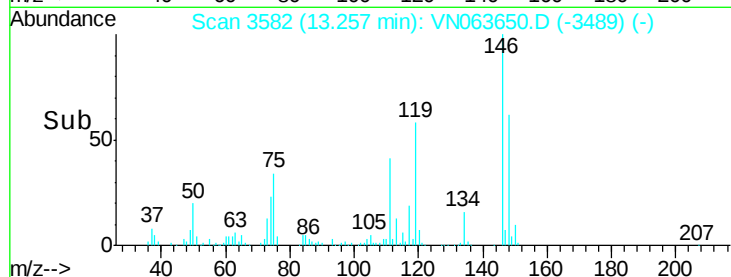
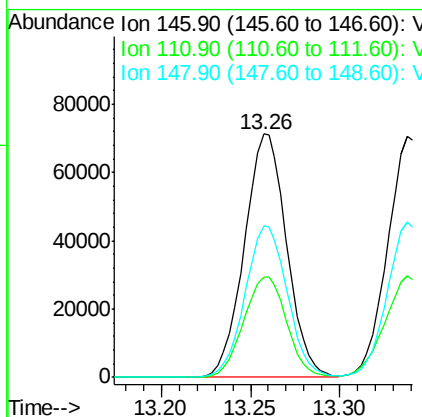
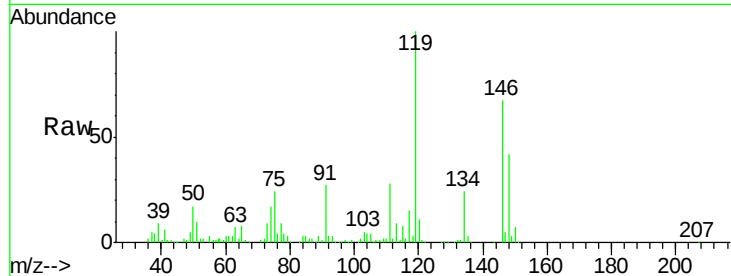
#87
 1,3-Dichlorobenzene
 Concen: 19.306 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN063650.D
 Acq: 25 Sep 2020 1:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0924WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	41.9	21.4	64.3	
148	62.2	31.9	95.7	

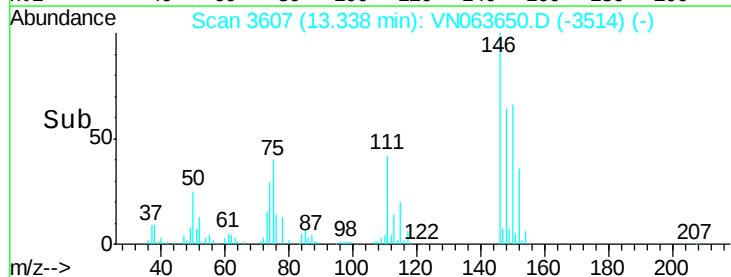
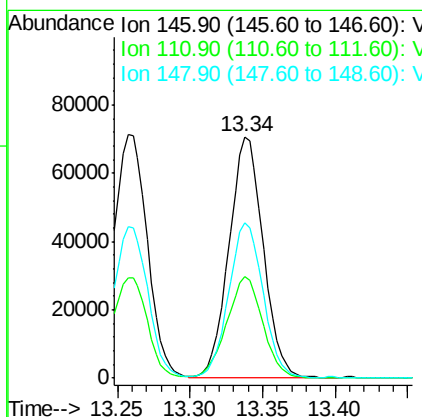
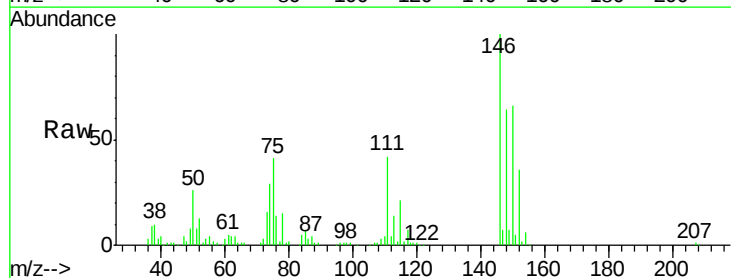
Manual Integrations
 APPROVED

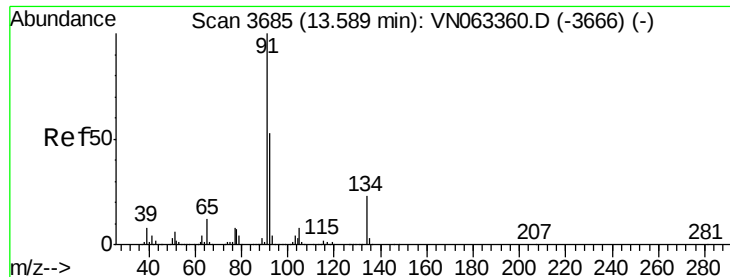
MMDadoda
 9/28/2020 5:17:32 PM



#88
 1,4-Dichlorobenzene
 Concen: 18.433 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN063650.D
 Acq: 25 Sep 2020 1:02

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	44.9	21.2	63.6	
148	64.6	31.9	95.9	





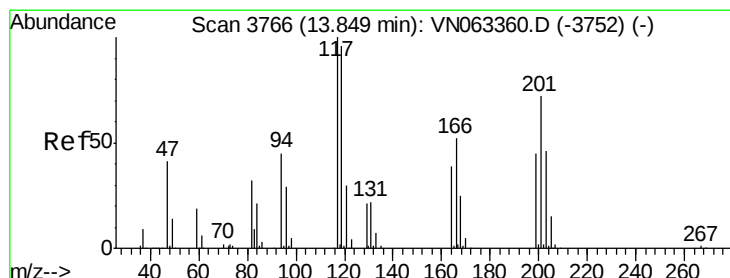
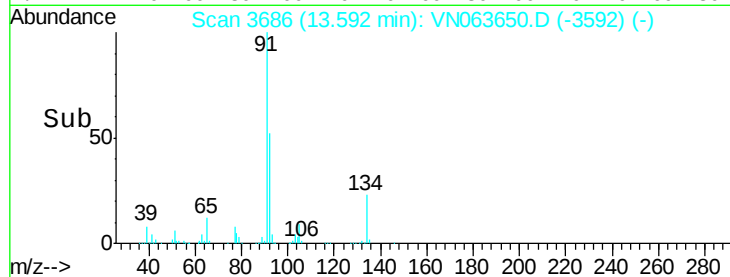
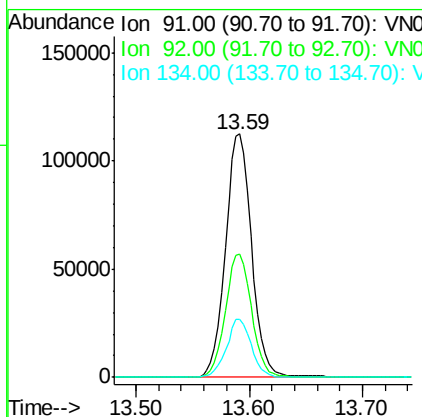
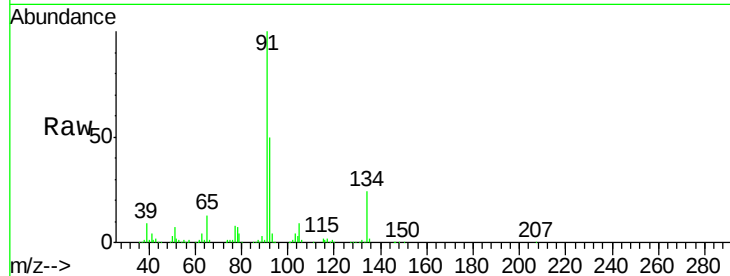
#89
n-Butylbenzene
Concen: 16.407 ug/l
RT: 13.59 min Scan# 3686
Delta R.T. 0.00 min
Lab File: VN063650.D
Acq: 25 Sep 2020 1:02

Instrument :
MSVOA_N
ClientSampleId :
VN0924WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.9	26.0	78.0
134	22.9	11.7	35.0

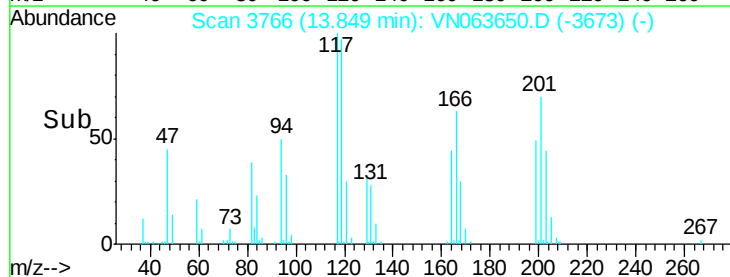
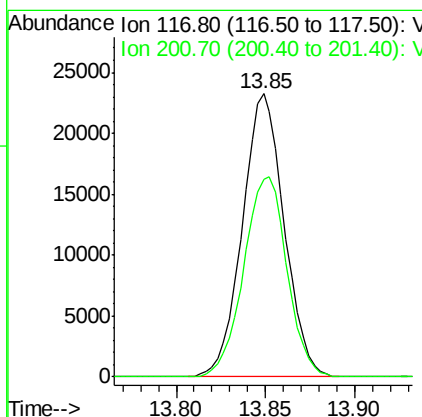
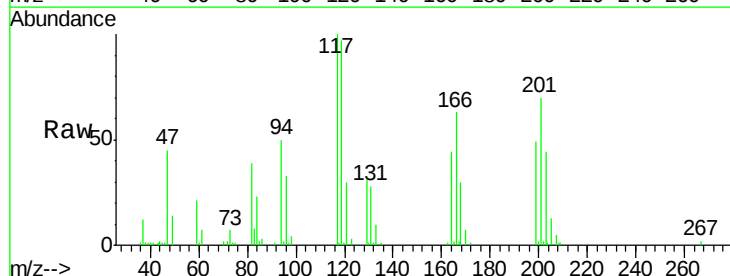
Manual Integrations
APPROVED

MMDadoda
9/28/2020 5:17:32 PM



#90
Hexachloroethane
Concen: 16.690 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN063650.D
Acq: 25 Sep 2020 1:02

Tgt Ion	Ratio	Lower	Upper
117	100		
201	73.2	35.5	106.7





#91

1,2-Dichlorobenzene

Concen: 19.010 ug/l

RT: 13.63 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VN063650.D

Acq: 25 Sep 2020 1:02

Instrument :

MSVOA_N

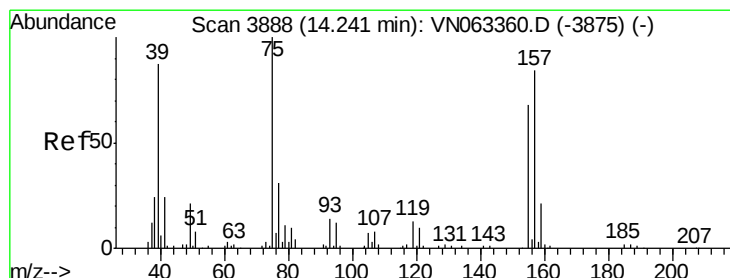
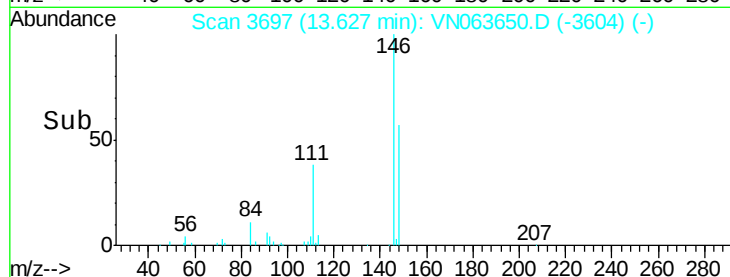
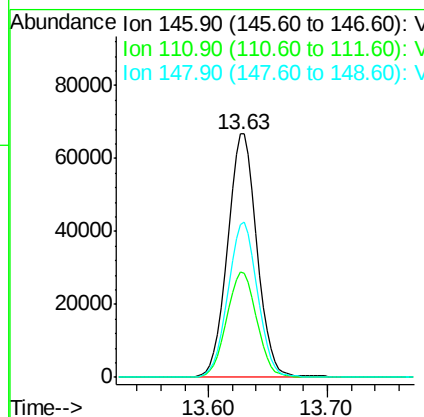
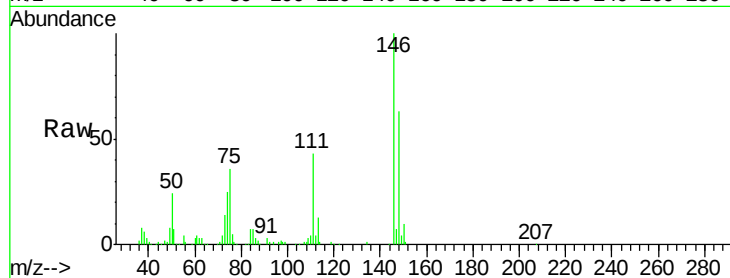
ClientSampleId :

VN0924WBSD02

Tot Ion:	146	Resp:	114431
Ion Ratio	Lower	Upper	
146	100		
111	44.2	22.4	67.2
148	63.9	32.0	96.0

Manual Integrations
APPROVED

MMDadoda
9/28/2020 5:17:32 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 16.496 ug/l

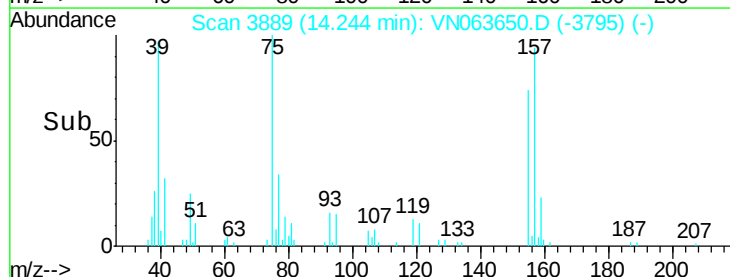
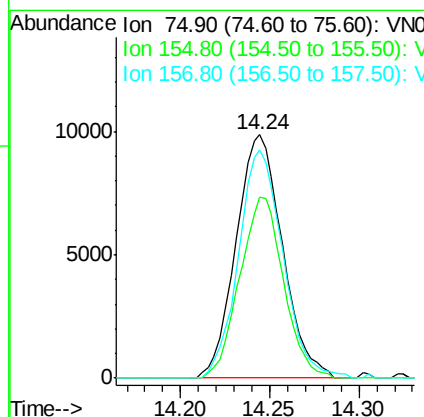
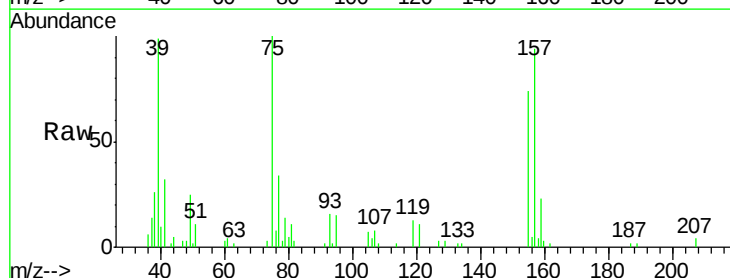
RT: 14.24 min Scan# 3889

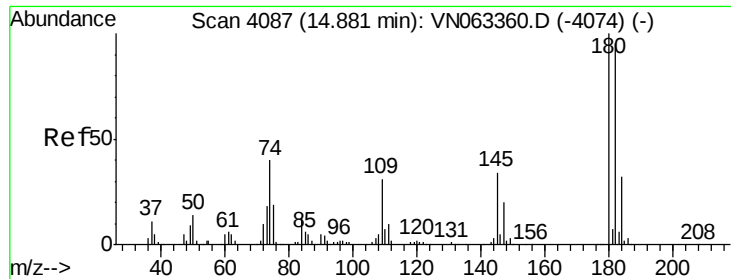
Delta R.T. 0.00 min

Lab File: VN063650.D

Acq: 25 Sep 2020 1:02

Tgt Ion:	75	Resp:	17886
Ion Ratio	Lower	Upper	
75	100		
155	70.3	34.6	103.9
157	90.3	43.7	131.1





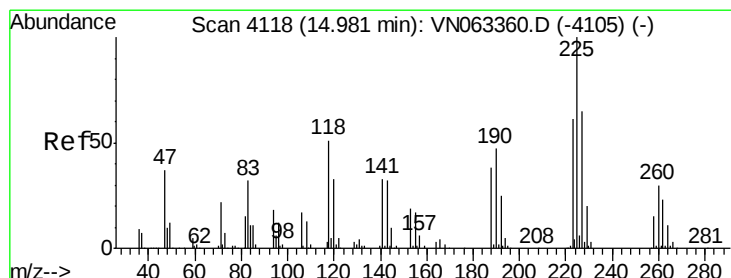
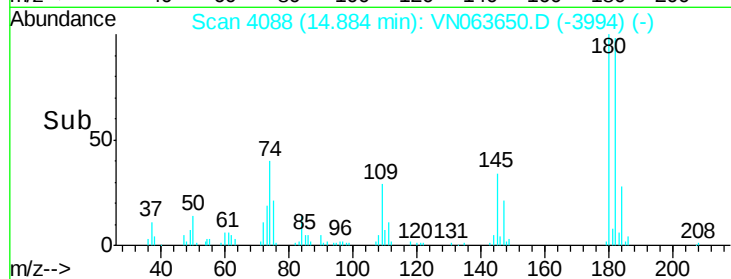
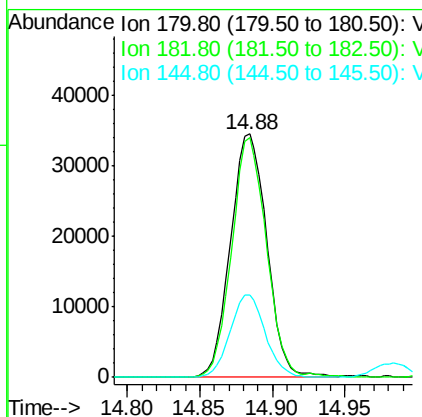
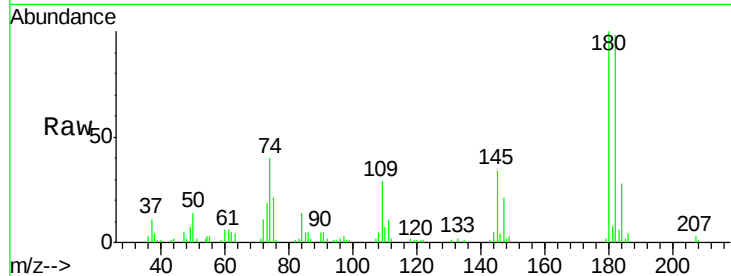
#93
 1,2,4-Trichlorobenzene
 Concen: 16.925 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN063650.D
 Acq: 25 Sep 2020 1:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0924WBSD02

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.3	142.0
145	32.7	16.6	49.7

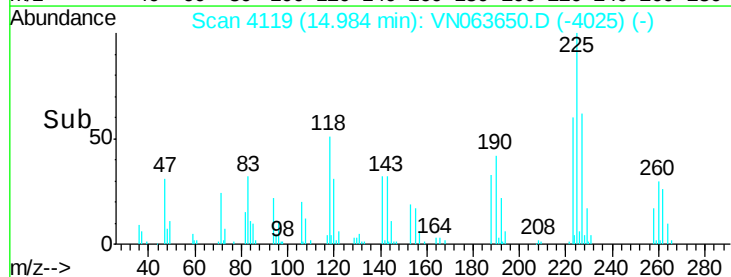
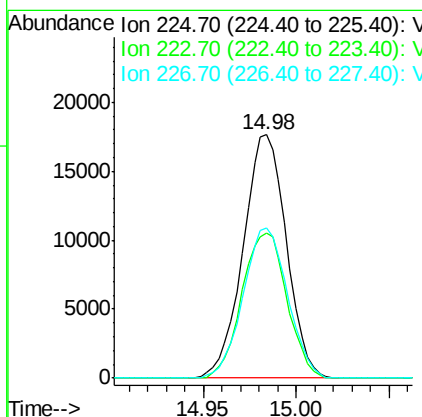
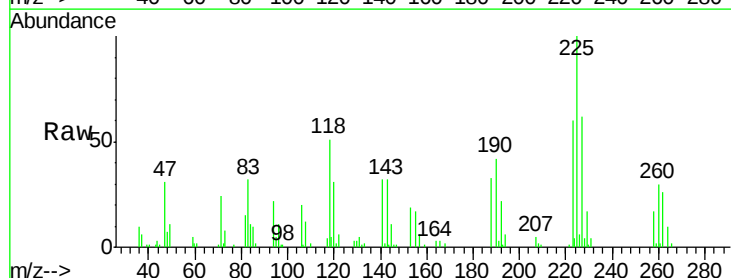
Manual Integrations
 APPROVED

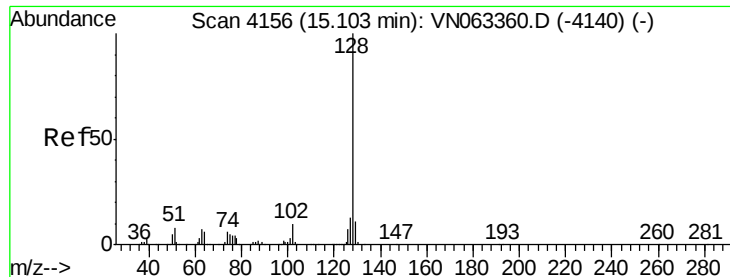
MMDadoda
 9/28/2020 5:17:32 PM



#94
 Hexachlorobutadiene
 Concen: 19.519 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN063650.D
 Acq: 25 Sep 2020 1:02

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.8	30.6	91.6
227	63.3	31.2	93.6





#95

Naphthalene

Concen: 16.126 ug/l

RT: 15.11 min Scan# 4157

Delta R.T. 0.00 min

Lab File: VN063650.D

Acq: 25 Sep 2020 1:02

Instrument :

MSVOA_N

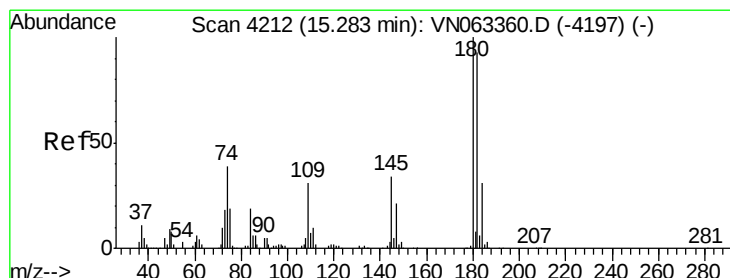
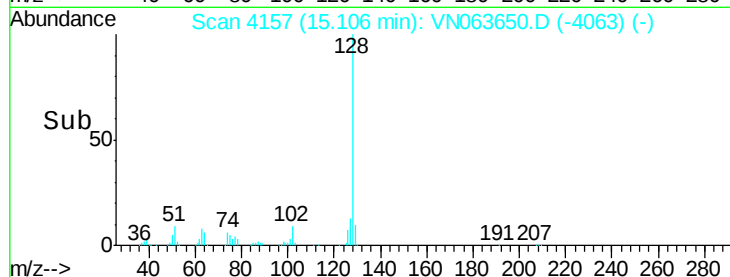
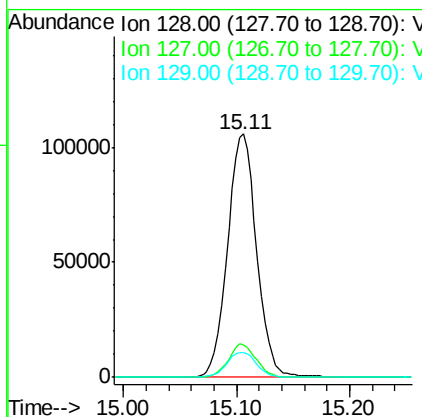
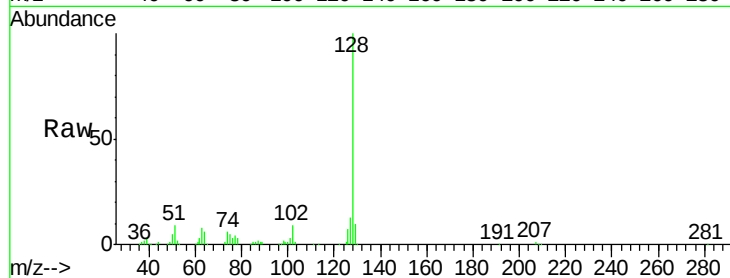
ClientSampleId :

VN0924WBSD02

Tot Ion:	128	Resp:	189069
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.6	15.8
129	10.6	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
9/28/2020 5:17:32 PM



#96

1,2,3-Trichlorobenzene

Concen: 17.257 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN063650.D

Acq: 25 Sep 2020 1:02

Tgt Ion:	180	Resp:	59172
Ion Ratio	Lower	Upper	
180	100		
182	93.3	46.7	140.1
145	35.1	16.8	50.3

