

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100120\
 Data File : VN063790.D
 Acq On : 1 Oct 2020 22:57
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/2/2020 3:11:59 PM

Quant Time: Oct 02 03:54:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	251636	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	438535	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	414780	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	200384	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	211258	50.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.64%	
35) Dibromofluoromethane	7.55	113	145158	47.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.40%	
50) Toluene-d8	10.06	98	551170	47.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.56%	
62) 4-Bromofluorobenzene	12.38	95	206515	47.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	124490	46.886	ug/l	99
3) Chloromethane	2.04	50	148496	47.664	ug/l	98
4) Vinyl Chloride	2.16	62	147445	47.147	ug/l	99
5) Bromomethane	2.53	94	93943	47.758	ug/l	96
6) Chloroethane	2.67	64	97493	52.171	ug/l	96
7) Trichlorofluoromethane	2.98	101	245838	49.565	ug/l	99
8) Diethyl Ether	3.38	74	87789	52.336	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	129038	48.676	ug/l	99
10) Methyl Iodide	3.91	142	159494	51.816	ug/l	98
11) Tert butyl alcohol	4.73	59	126035	274.605	ug/l	100
12) 1,1-Dichloroethene	3.69	96	124364	49.079	ug/l	98
13) Acrolein	3.57	56	71987	255.555	ug/l	98
14) Allyl chloride	4.28	41	223593	47.497	ug/l	96
15) Acrylonitrile	4.93	53	353992	269.447	ug/l	99
16) Acetone	3.77	43	329810	257.720	ug/l	96
17) Carbon Disulfide	4.01	76	335086	48.942	ug/l	100
18) Methyl Acetate	4.28	43	174375	52.481	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	478241	51.949	ug/l	100
20) Methylene Chloride	4.50	84	153468	52.352	ug/l	96
21) trans-1,2-Dichloroethene	4.99	96	139544	49.166	ug/l	97
22) Diisopropyl ether	5.90	45	524097	54.112	ug/l	98
23) Vinyl Acetate	5.84	43	2178970	271.589	ug/l	99
24) 1,1-Dichloroethane	5.80	63	282034	50.928	ug/l	99
25) 2-Butanone	6.78	43	496976	273.917	ug/l	97
26) 2,2-Dichloropropane	6.78	77	209824	41.374	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	167271	51.243	ug/l	99
28) Bromochloromethane	7.15	49	142689	52.132	ug/l	98
29) Tetrahydrofuran	7.16	42	331800	272.669	ug/l	98
30) Chloroform	7.33	83	311996	54.032	ug/l	93
31) Cyclohexane	7.61	56	230533	47.766	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	272195	52.262	ug/l	99
36) 1,1-Dichloropropene	7.76	75	213789	48.120	ug/l	98
37) Ethyl Acetate	6.88	43	212481	48.138	ug/l	100
38) Carbon Tetrachloride	7.73	117	238807	47.935	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100120\
 Data File : VN063790.D
 Acq On : 1 Oct 2020 22:57
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/2/2020 3:11:59 PM

Quant Time: Oct 02 03:54:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	196355	44.319	ug/l	98
40) Benzene	8.00	78	620310	48.883	ug/l	100
41) Methacrylonitrile	7.13	41	99237m	50.586	ug/l	
42) 1,2-Dichloroethane	8.09	62	267941	49.465	ug/l	99
43) Isopropyl Acetate	8.13	43	378622	52.004	ug/l	100
44) Trichloroethene	8.80	130	154971	46.610	ug/l	99
45) 1,2-Dichloropropane	9.08	63	172042	50.201	ug/l	99
46) Dibromomethane	9.17	93	117209	49.577	ug/l	97
47) Bromodichloromethane	9.37	83	242491	49.768	ug/l	97
48) Methyl methacrylate	9.16	41	193173	53.703	ug/l	96
49) 1,4-Dioxane	9.16	88	51280	1003.076	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	1141404	267.144	ug/l	100
52) Toluene	10.13	92	391343	49.859	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	259069	49.602	ug/l	97
54) cis-1,3-Dichloropropene	9.81	75	266591	48.806	ug/l	100
55) 1,1,2-Trichloroethane	10.53	97	158503	50.355	ug/l	99
56) Ethyl methacrylate	10.40	69	235621	52.809	ug/l	99
57) 1,3-Dichloropropane	10.68	76	270405	50.776	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	609788	255.499	ug/l	99
59) 2-Hexanone	10.72	43	835224	263.148	ug/l	98
60) Dibromochloromethane	10.87	129	180407	49.214	ug/l	99
61) 1,2-Dibromoethane	10.98	107	165172	51.297	ug/l	99
64) Tetrachloroethene	10.60	164	140743	43.859	ug/l	98
65) Chlorobenzene	11.41	112	414318	48.695	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	163667	50.176	ug/l	100
67) Ethyl Benzene	11.48	91	769463	49.700	ug/l	99
68) m/p-Xylenes	11.59	106	563726	97.696	ug/l	98
69) o-Xylene	11.92	106	272393	50.507	ug/l	100
70) Styrene	11.94	104	475713	51.963	ug/l	100
71) Bromoform	12.10	173	123757	49.607	ug/l #	98
73) Isopropylbenzene	12.23	105	730360	49.970	ug/l	100
74) N-amyl acetate	12.05	43	341483	50.256	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	227510	50.904	ug/l	97
76) 1,2,3-Trichloropropane	12.53	75	231966m	52.514	ug/l	
77) Bromobenzene	12.50	156	180838	50.424	ug/l	99
78) n-propylbenzene	12.57	91	832634	48.950	ug/l	100
79) 2-Chlorotoluene	12.65	91	518834	49.595	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	616789	50.301	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.28	75	73741	48.081	ug/l	99
82) 4-Chlorotoluene	12.75	91	539876	49.712	ug/l	100
83) tert-Butylbenzene	12.97	119	489904	48.844	ug/l	99
84) 1,2,4-Trimethylbenzene	13.02	105	612423	50.025	ug/l	98
85) sec-Butylbenzene	13.15	105	632275	47.995	ug/l	100
86) p-Isopropyltoluene	13.26	119	565292	48.505	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	317678	48.962	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	317796	47.042	ug/l	100
89) n-Butylbenzene	13.59	91	484787	45.069	ug/l	100
90) Hexachloroethane	13.85	117	111279	49.275	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	317537	49.411	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	51443	49.080	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100120\
Data File : VN063790.D
Acq On : 1 Oct 2020 22:57
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

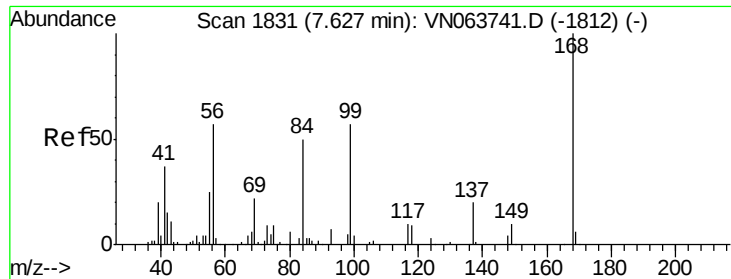
Manual Integrations
APPROVED

MMDadoda
10/2/2020 3:11:59 PM

Quant Time: Oct 02 03:54:13 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 01 01:46:38 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	148855	42.855	ug/l	99
94) Hexachlorobutadiene	14.98	225	79311	45.523	ug/l	98
95) Naphthalene	15.10	128	469061	43.637	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	145466	43.142	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: VN063790.D

Acq: 1 Oct 2020 22:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 251636

Ion Ratio Lower Upper

168 100

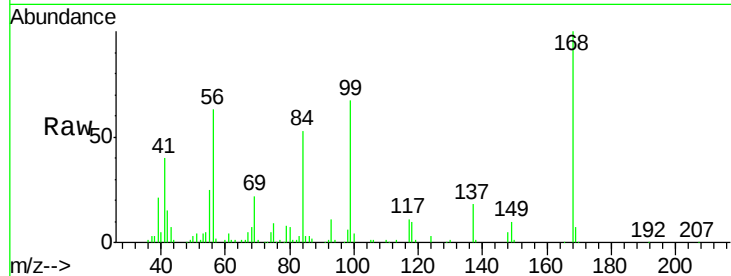
99 66.6 51.8 77.6

Manual Integrations

APPROVED

MMDadoda

10/2/2020 3:11:59 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

120000

100000

80000

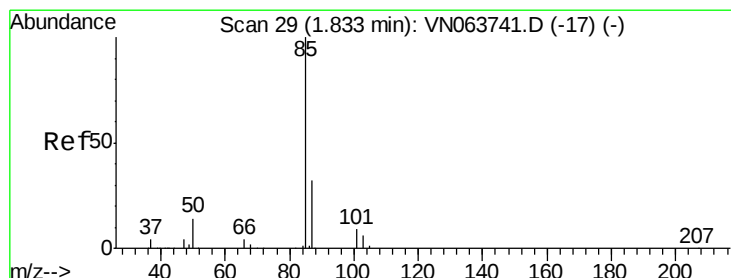
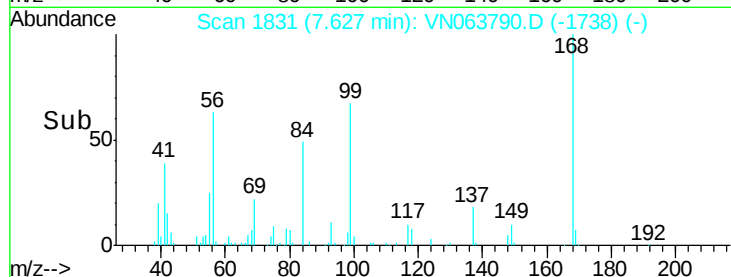
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 46.886 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN063790.D

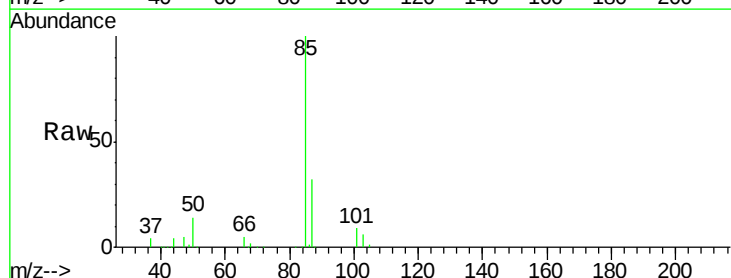
Acq: 1 Oct 2020 22:57

Tgt Ion: 85 Resp: 124490

Ion Ratio Lower Upper

85 100

87 32.5 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

100000

80000

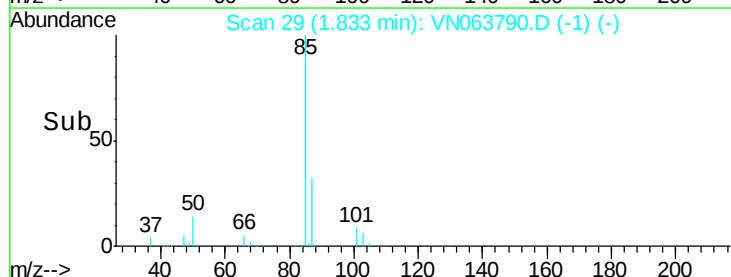
60000

40000

20000

0

Time-->





#3

Chloromethane

Concen: 47.664 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN063790.D

Acq: 1 Oct 2020 22:57

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 50 Resp: 148496

Ion Ratio Lower Upper

50 100

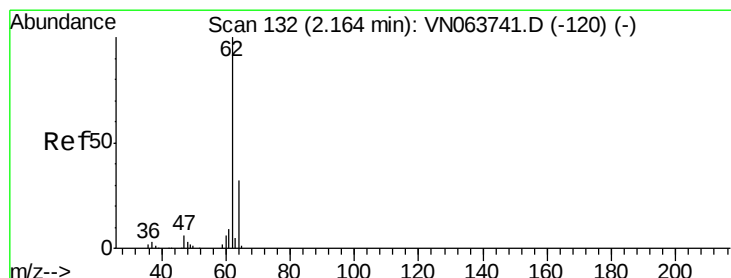
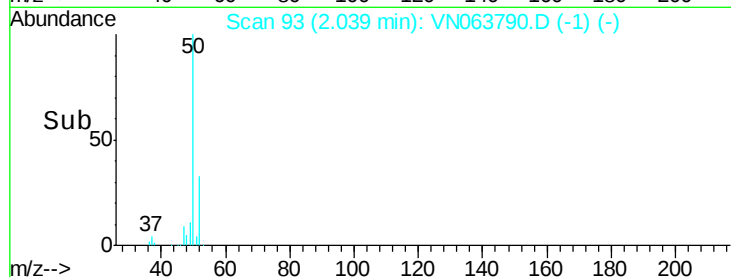
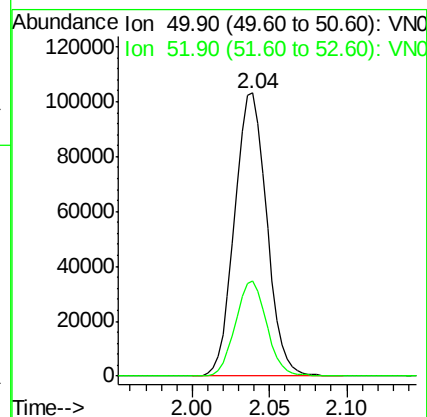
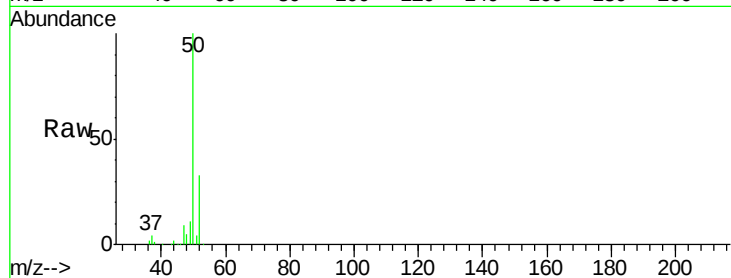
52 33.4 25.8 38.8

Manual Integrations

APPROVED

MMDadoda

10/2/2020 3:11:59 PM



#4

Vinyl Chloride

Concen: 47.147 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN063790.D

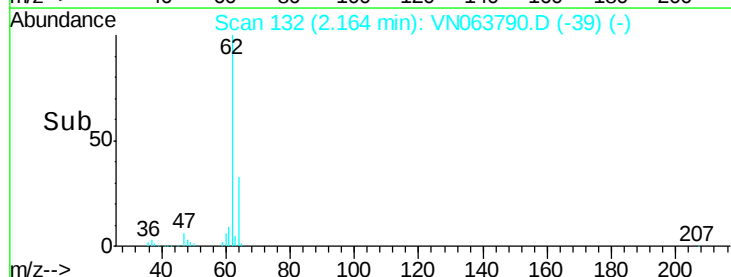
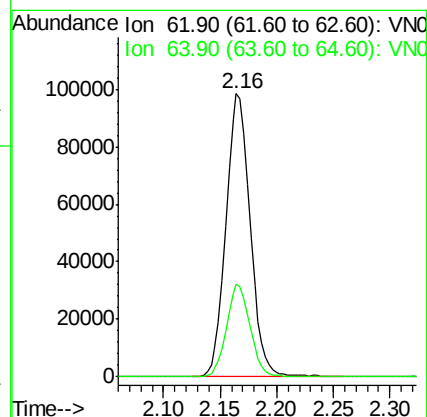
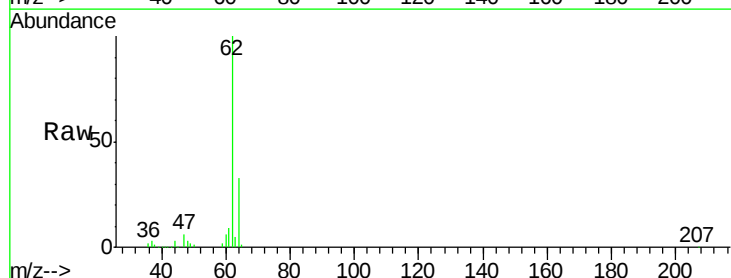
Acq: 1 Oct 2020 22:57

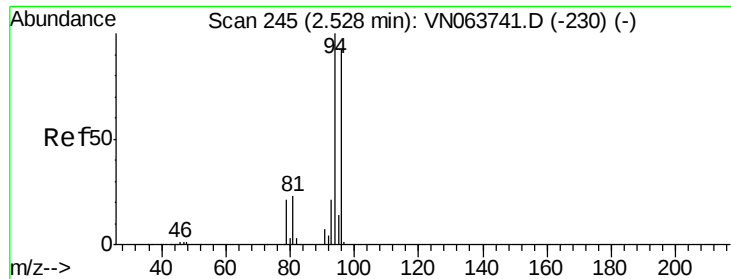
Tgt Ion: 62 Resp: 147445

Ion Ratio Lower Upper

62 100

64 32.7 25.6 38.4





#5

Bromomethane

Concen: 47.758 ug/l

RT: 2.53 min Scan# 245

Delta R.T. 0.00 min

Lab File: VN063790.D

Acq: 1 Oct 2020 22:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 93943

Ion Ratio Lower Upper

94 100

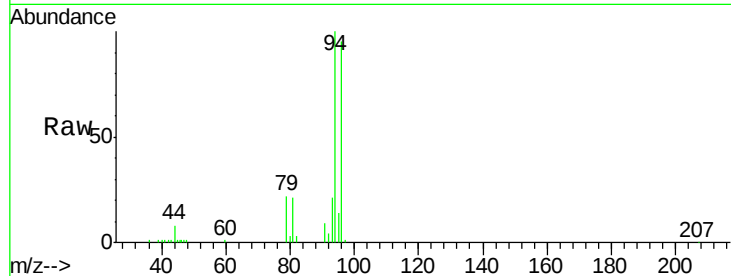
96 95.0 73.3 109.9

Manual Integrations

APPROVED

MMDadoda

10/2/2020 3:11:59 PM

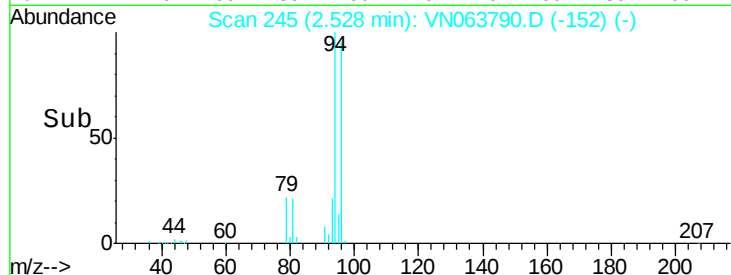


Abundance Ion 93.90 (93.60 to 94.60): VN063790.D (-152) (-)

Ion 95.90 (95.60 to 96.60): VN063790.D (-152) (-)

2.53

Time-->



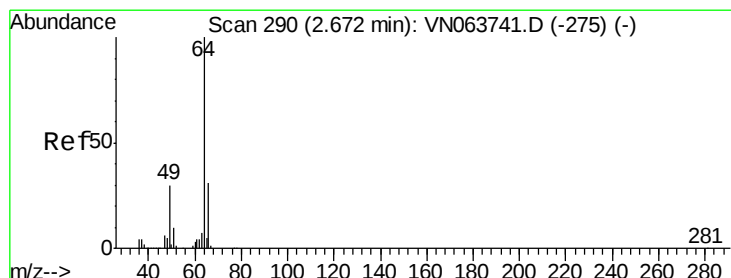
Abundance

Ion 93.90 (93.60 to 94.60): VN063790.D (-152) (-)

Ion 95.90 (95.60 to 96.60): VN063790.D (-152) (-)

2.53

Time-->



#6

Chloroethane

Concen: 52.171 ug/l

RT: 2.67 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN063790.D

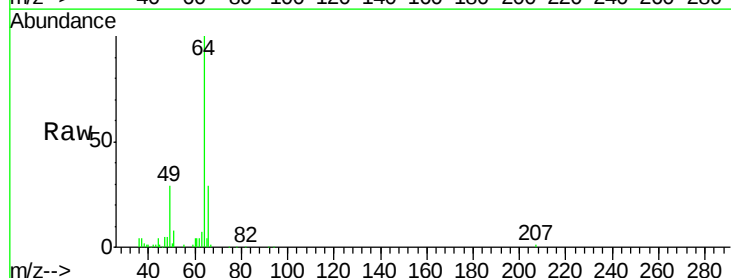
Acq: 1 Oct 2020 22:57

Tgt Ion: 64 Resp: 97493

Ion Ratio Lower Upper

64 100

66 29.3 25.1 37.7

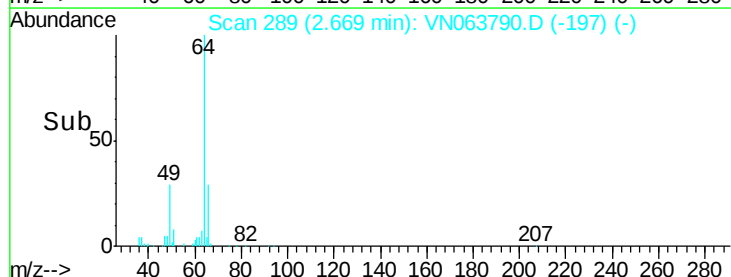


Abundance Ion 63.90 (63.60 to 64.60): VN063790.D (-197) (-)

Ion 65.90 (65.60 to 66.60): VN063790.D (-197) (-)

2.67

Time-->



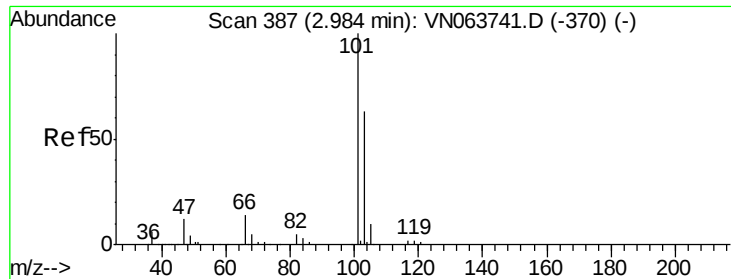
Abundance

Ion 63.90 (63.60 to 64.60): VN063790.D (-197) (-)

Ion 65.90 (65.60 to 66.60): VN063790.D (-197) (-)

2.67

Time-->



#7

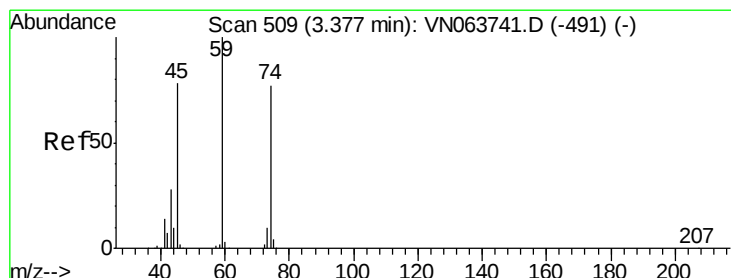
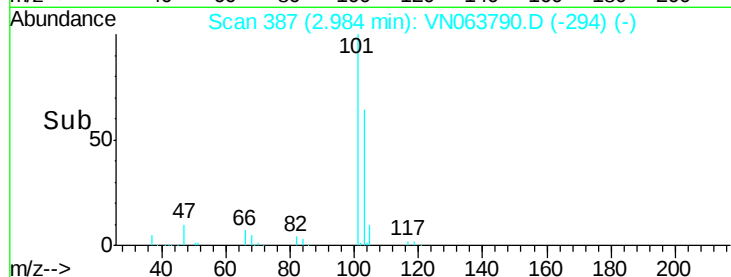
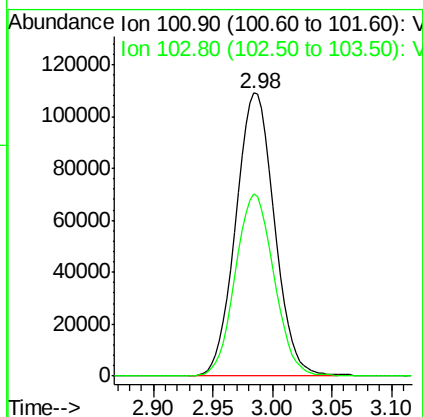
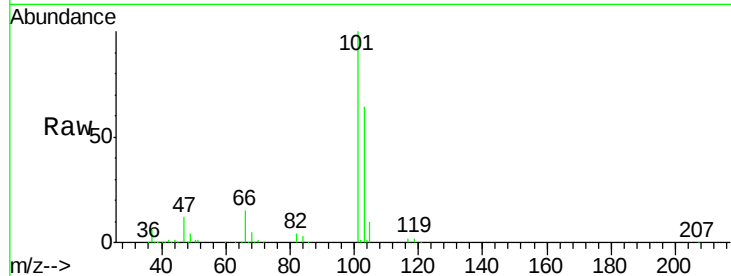
Trichlorofluoromethane
Concen: 49.565 ug/l
RT: 2.98 min Scan# 387
Delta R.T. 0.00 min
Lab File: VN063790.D
Acq: 1 Oct 2020 22:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		245838		
103	64.4	50.7	76.1		

Manual Integrations
APPROVED

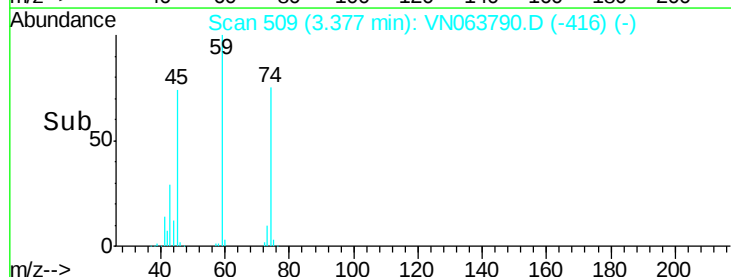
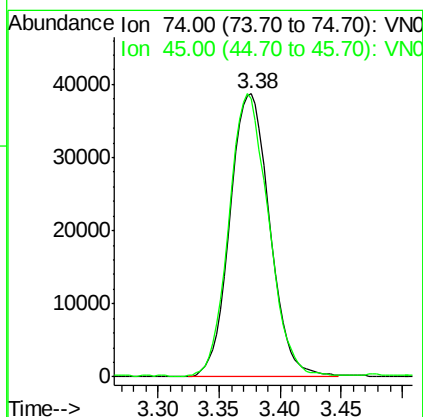
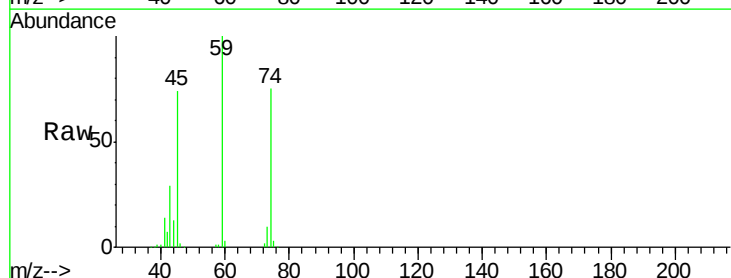
MMDadoda
10/2/2020 3:11:59 PM

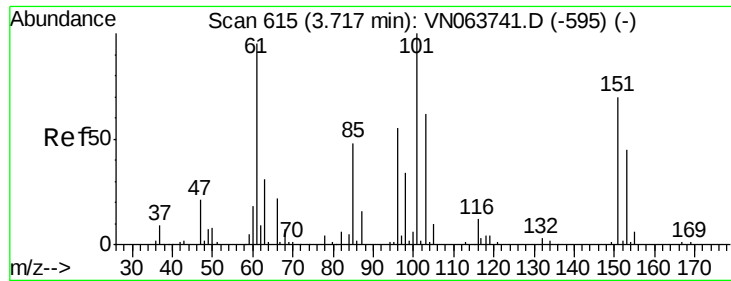


#8

Diethyl Ether
Concen: 52.336 ug/l
RT: 3.38 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN063790.D
Acq: 1 Oct 2020 22:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		87789		
45	100.1	50.9	152.8		





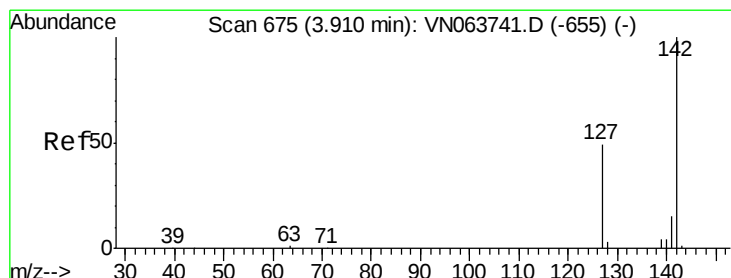
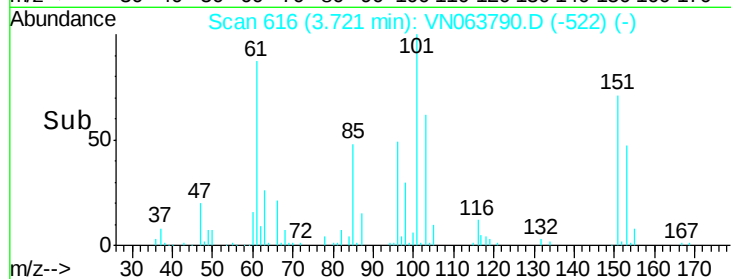
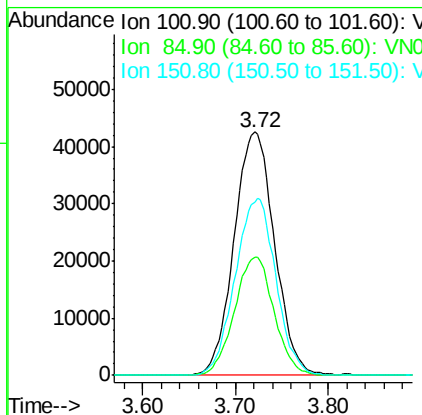
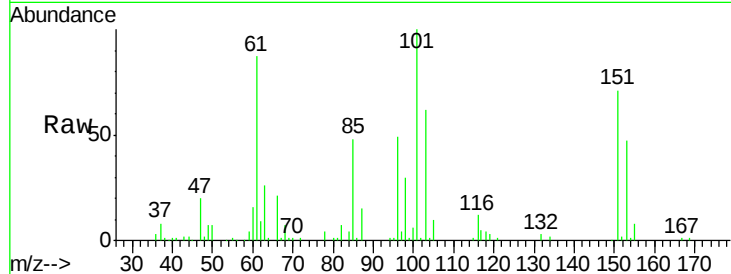
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 48.676 ug/l
 RT: 3.72 min Scan# 616
 Delta R.T. 0.00 min
 Lab File: VN063790.D
 Acq: 1 Oct 2020 22:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	129038		
85	47.5	38.6	58.0	
151	73.1	58.7	88.1	

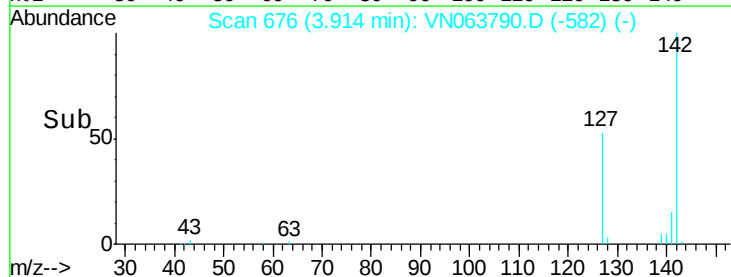
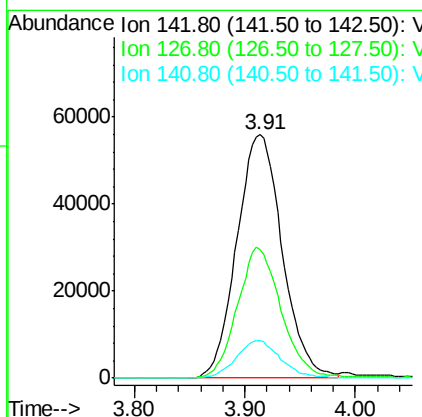
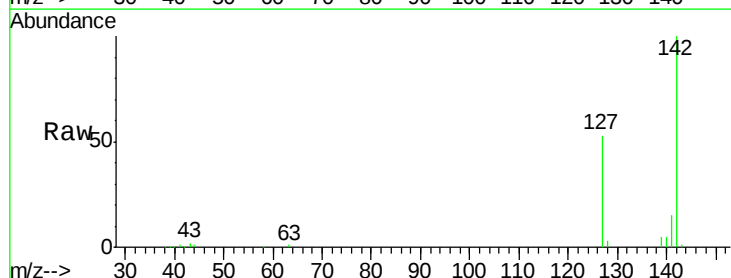
Manual Integrations
 APPROVED

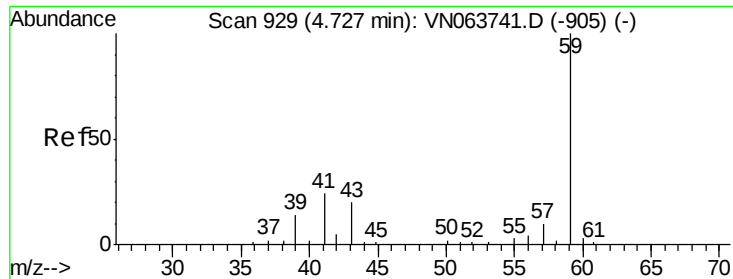
MMDadoda
 10/2/2020 3:11:59 PM



#10
 Methyl Iodide
 Concen: 51.816 ug/l
 RT: 3.91 min Scan# 676
 Delta R.T. 0.00 min
 Lab File: VN063790.D
 Acq: 1 Oct 2020 22:57

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	159494		
127	51.8	40.5	60.7	
141	15.0	11.7	17.5	





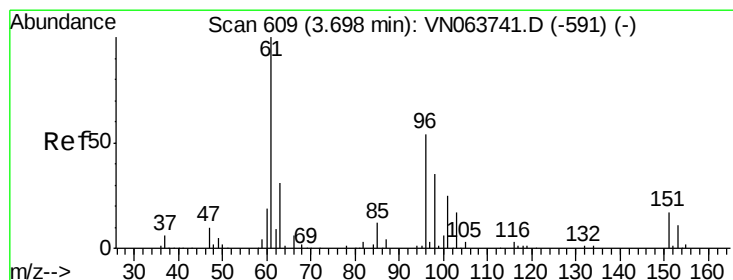
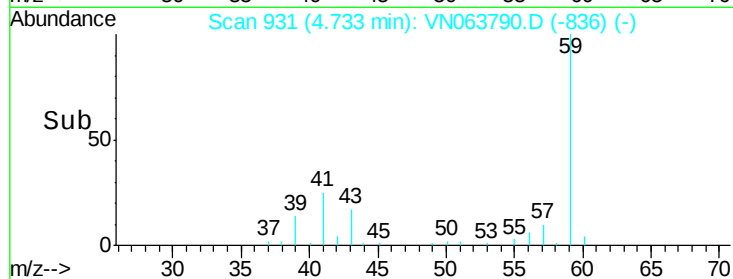
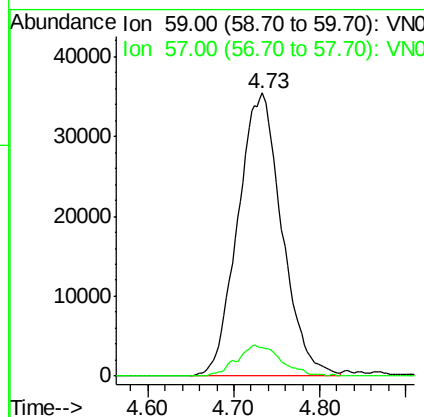
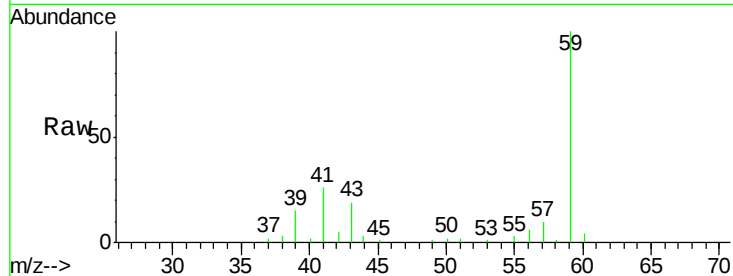
#11
Tert butyl alcohol
Concen: 274.605 ug/l
RT: 4.73 min Scan# 931
Delta R.T. 0.01 min
Lab File: VN063790.D
Acq: 1 Oct 2020 22:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 126035
Ion Ratio Lower Upper
59 100
57 10.8 8.7 13.1

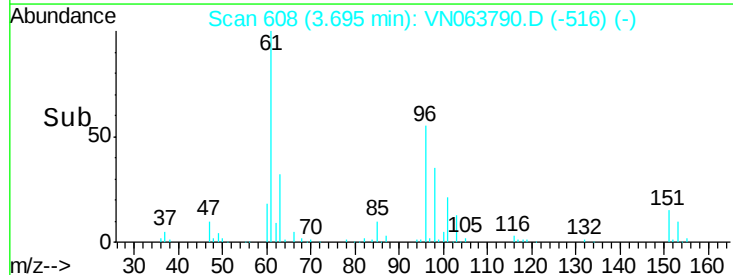
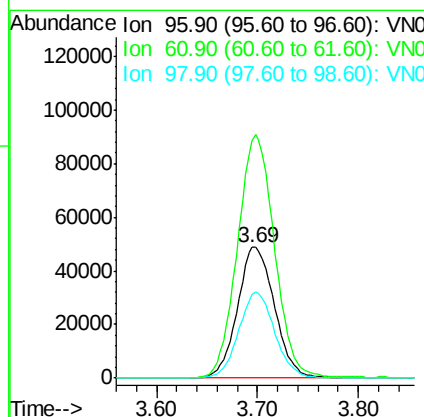
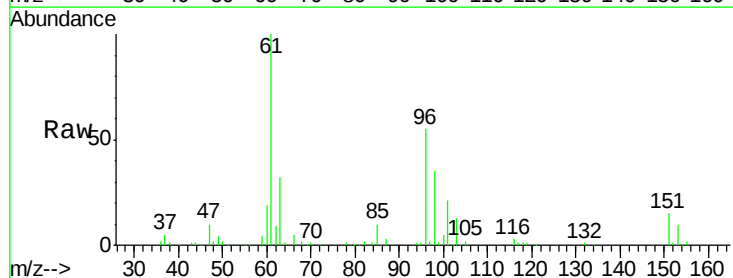
Manual Integrations
APPROVED

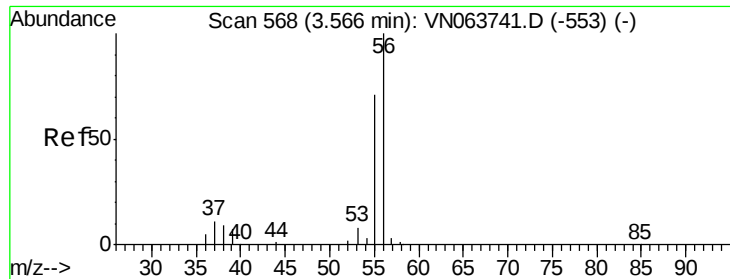
MMDadoda
10/2/2020 3:11:59 PM



#12
1,1-Dichloroethene
Concen: 49.079 ug/l
RT: 3.69 min Scan# 608
Delta R.T. -0.00 min
Lab File: VN063790.D
Acq: 1 Oct 2020 22:57

Tgt Ion: 96 Resp: 124364
Ion Ratio Lower Upper
96 100
61 181.6 147.7 221.5
98 64.2 51.9 77.9





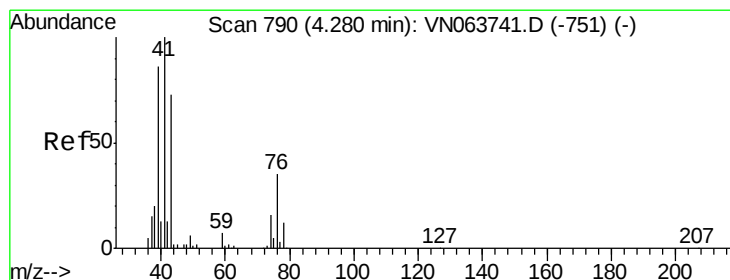
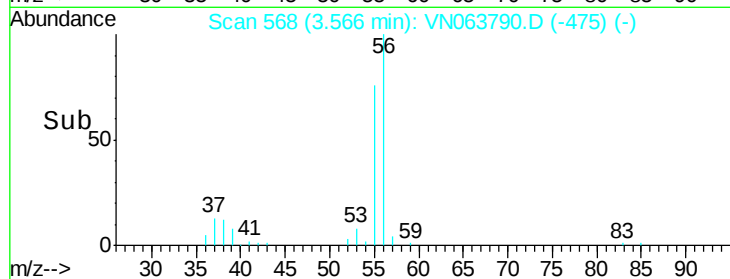
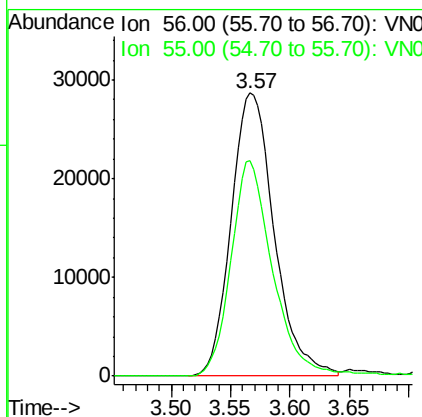
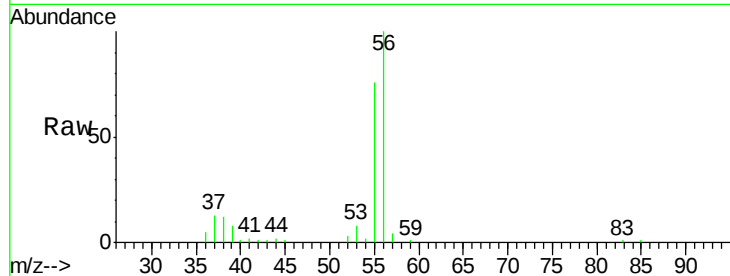
#13
Acrolein
Concen: 255.555 ug/l
RT: 3.57 min Scan# 568
Delta R.T. 0.00 min
Lab File: VN063790.D
Acq: 1 Oct 2020 22:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	72.8	56.9	85.3

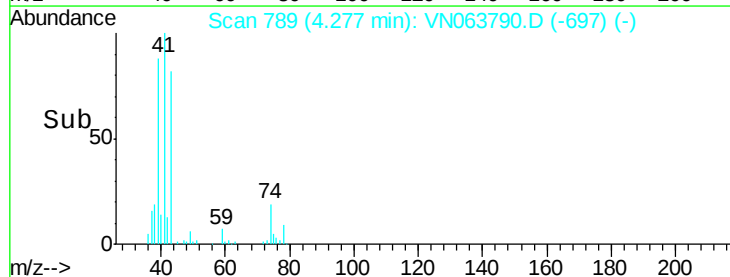
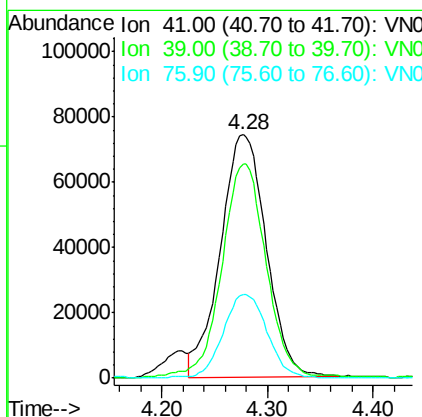
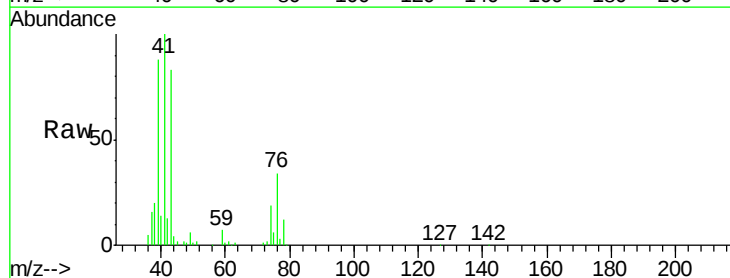
Manual Integrations
APPROVED

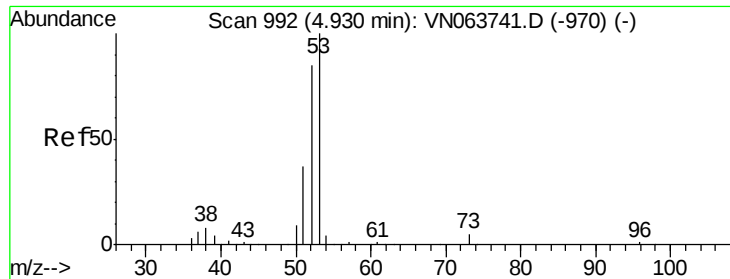
MMDadoda
10/2/2020 3:11:59 PM



#14
Allyl chloride
Concen: 47.497 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN063790.D
Acq: 1 Oct 2020 22:57

Tgt Ion	Ratio	Lower	Upper
41	100		
39	85.3	64.5	96.7
76	32.6	25.9	38.9





#15

Acrylonitrile

Concen: 269.447 ug/l

RT: 4.93 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN063790.D

Acq: 1 Oct 2020 22:57

Instrument :

MSVOA_N

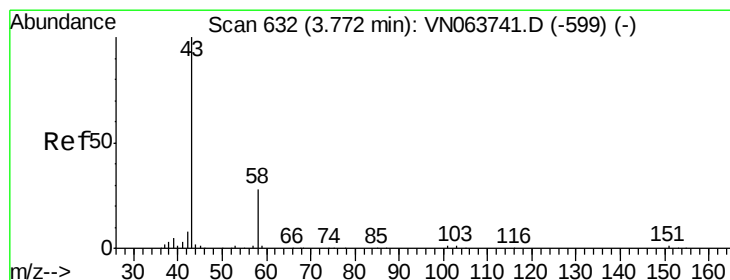
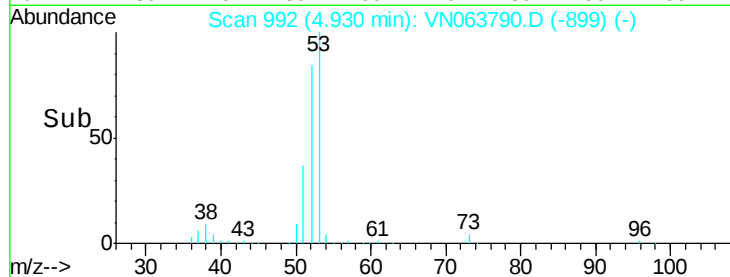
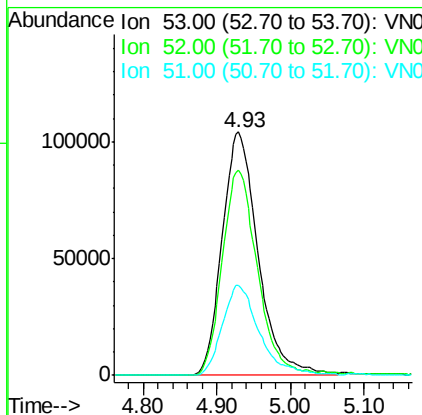
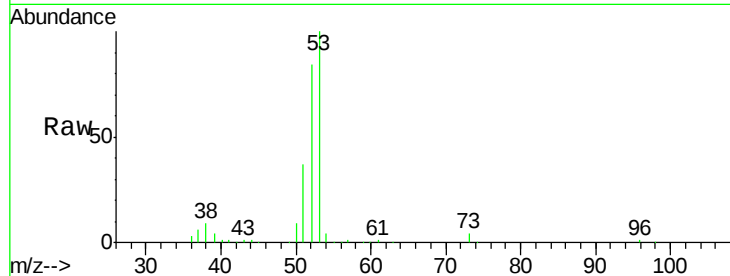
ClientSampled :

VSTDCCC050

Tot Ion:	53	Resp:	353992
Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.5	99.7
51	38.2	29.9	44.9

Manual Integrations
APPROVED

MMDadoda
10/2/2020 3:11:59 PM



#16

Acetone

Concen: 257.720 ug/l

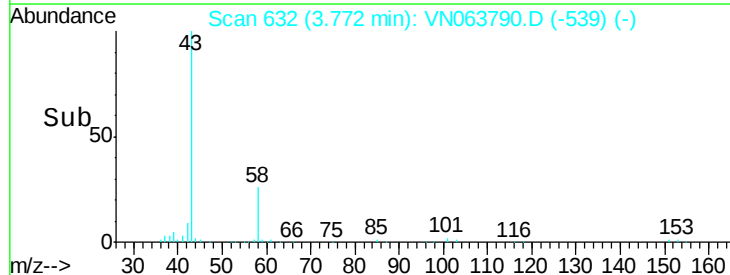
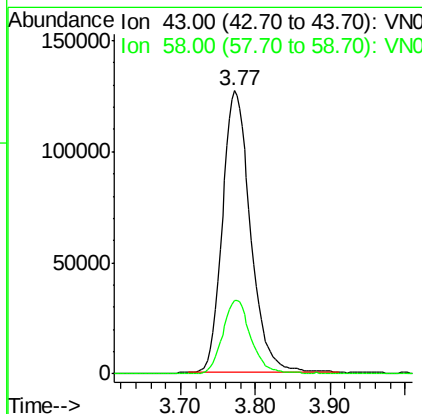
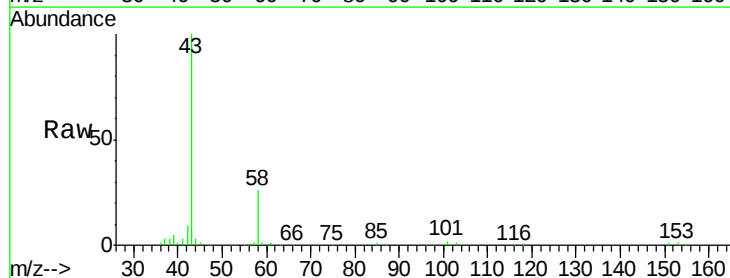
RT: 3.77 min Scan# 632

Delta R.T. 0.00 min

Lab File: VN063790.D

Acq: 1 Oct 2020 22:57

Tgt Ion:	43	Resp:	329810
Ion	Ratio	Lower	Upper
43	100		
58	26.0	22.3	33.5





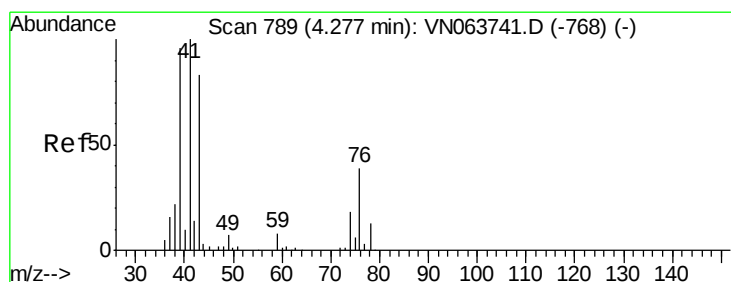
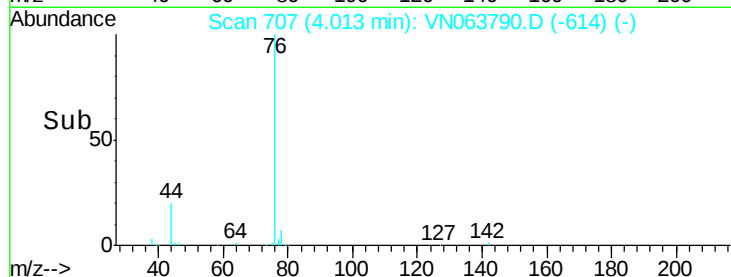
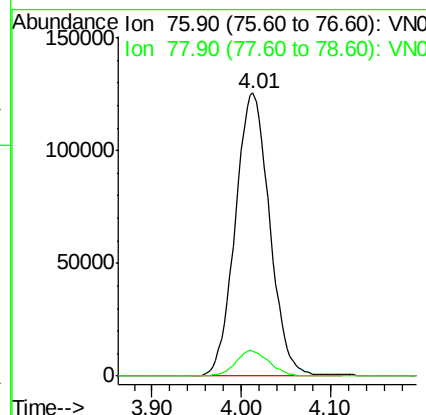
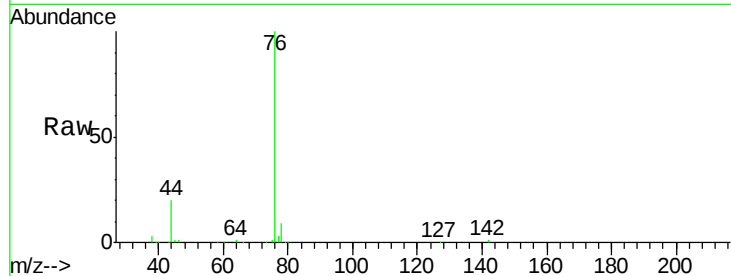
#17
Carbon Disulfide
Concen: 48.942 ug/l
RT: 4.01 min Scan# 707
Delta R.T. 0.00 min
Lab File: VN063790.D
Acq: 1 Oct 2020 22:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 335086
Ion Ratio Lower Upper
76 100
78 8.7 7.0 10.4

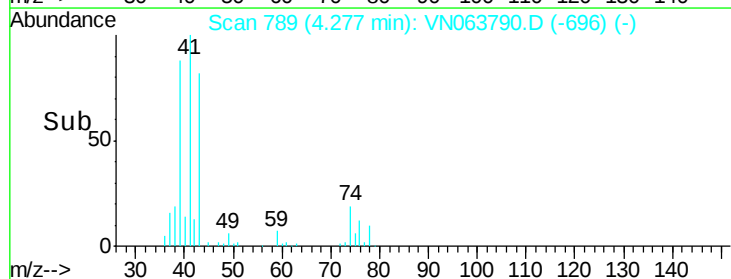
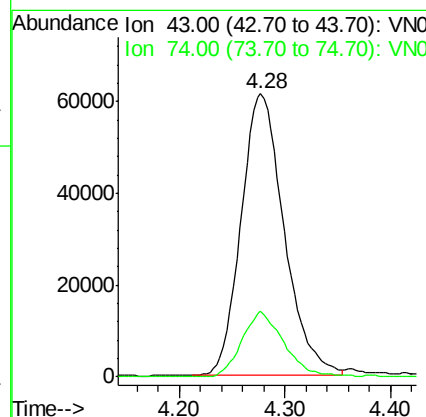
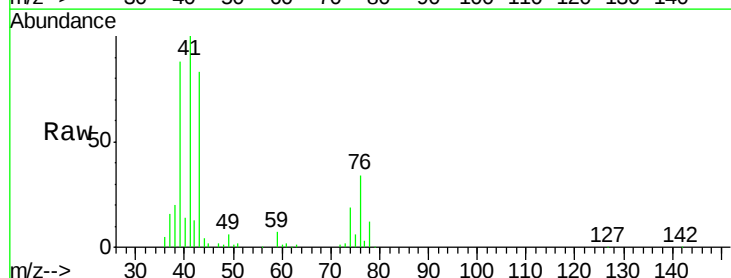
Manual Integrations
APPROVED

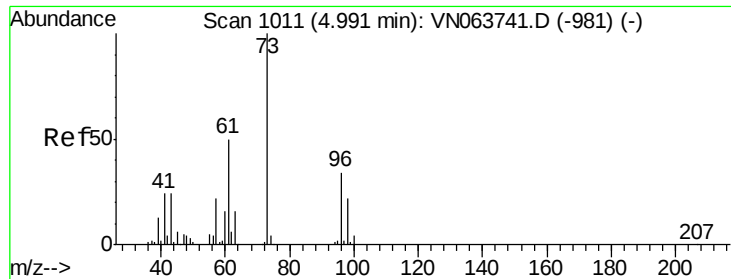
MMDadoda
10/2/2020 3:11:59 PM



#18
Methyl Acetate
Concen: 52.481 ug/l
RT: 4.28 min Scan# 789
Delta R.T. 0.00 min
Lab File: VN063790.D
Acq: 1 Oct 2020 22:57

Tgt Ion: 43 Resp: 174375
Ion Ratio Lower Upper
43 100
74 22.5 17.4 26.2





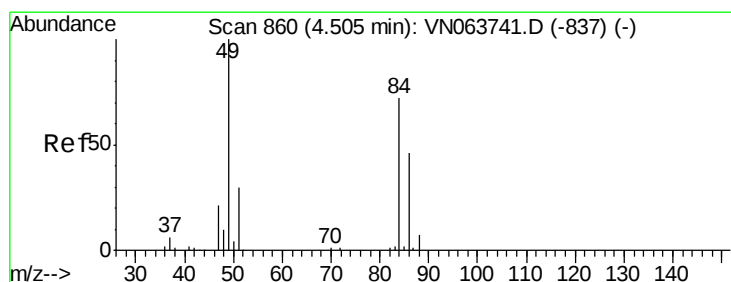
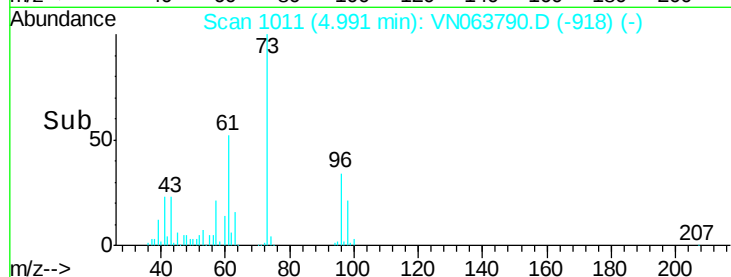
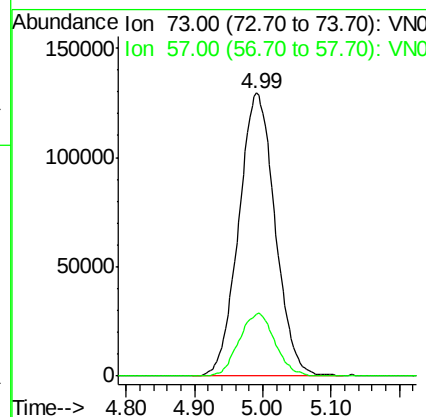
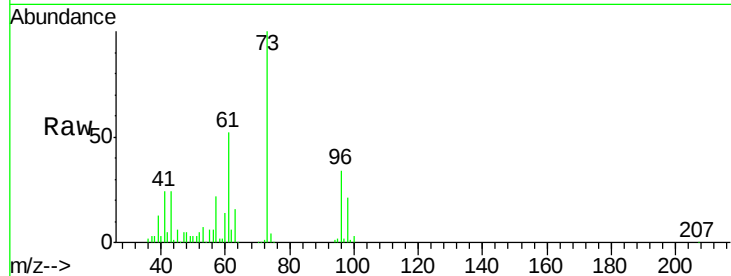
#19
Methyl tert-butyl Ether
Concen: 51.949 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN063790.D
Acq: 1 Oct 2020 22:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 478241
Ion Ratio Lower Upper
73 100
57 21.9 17.6 26.4

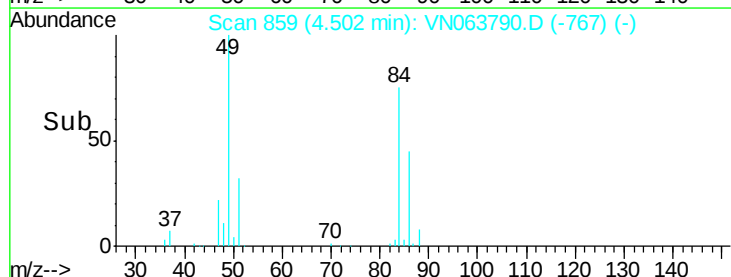
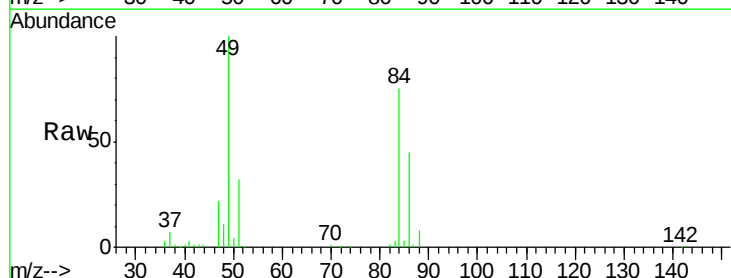
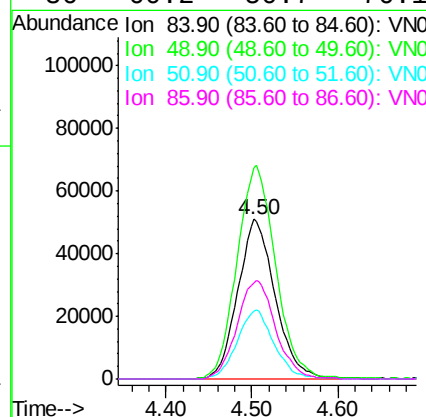
Manual Integrations
APPROVED

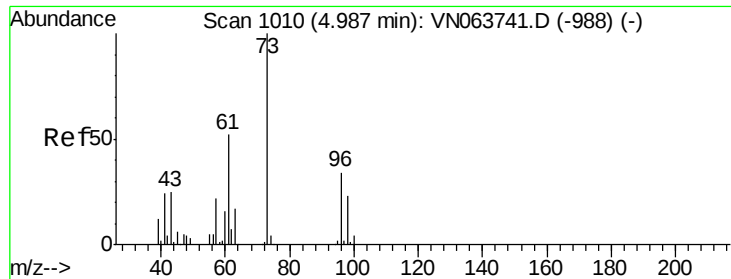
MMDadoda
10/2/2020 3:11:59 PM



#20
Methylene Chloride
Concen: 52.352 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN063790.D
Acq: 1 Oct 2020 22:57

Tgt Ion: 84 Resp: 153468
Ion Ratio Lower Upper
84 100
49 132.9 110.4 165.6
51 42.5 33.3 49.9
86 60.2 50.7 76.1





#21

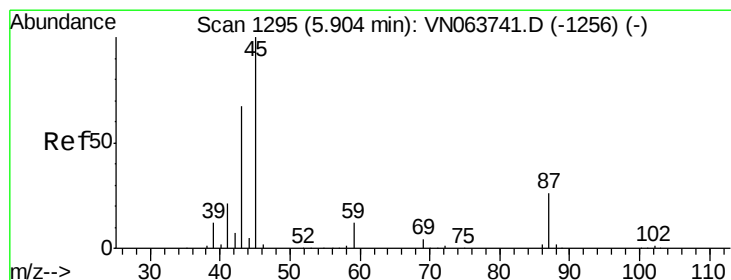
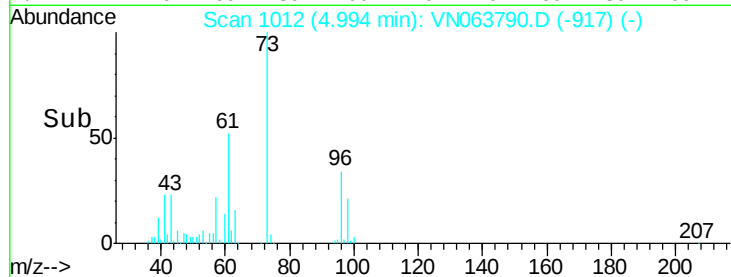
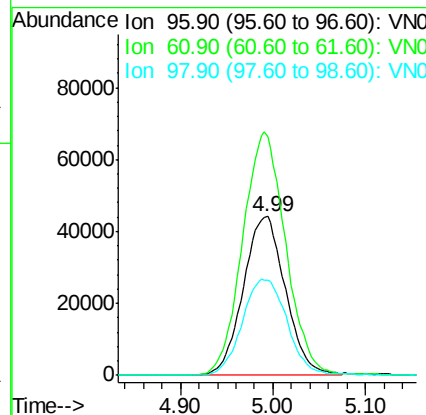
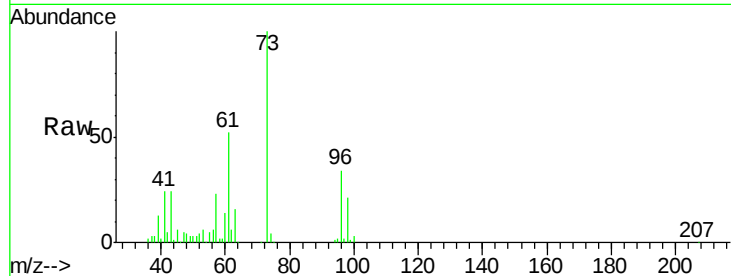
trans-1,2-Dichloroethene
Concen: 49.166 ug/l
RT: 4.99 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VN063790.D
Acq: 1 Oct 2020 22:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	150.7	120.2	180.2
98	59.7	52.6	79.0

Manual Integrations
APPROVED

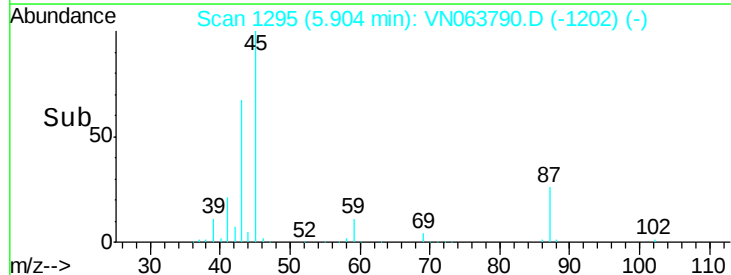
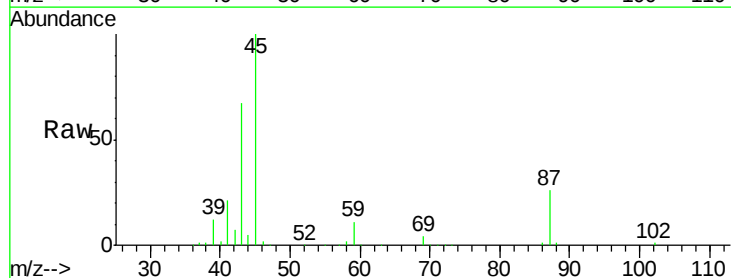
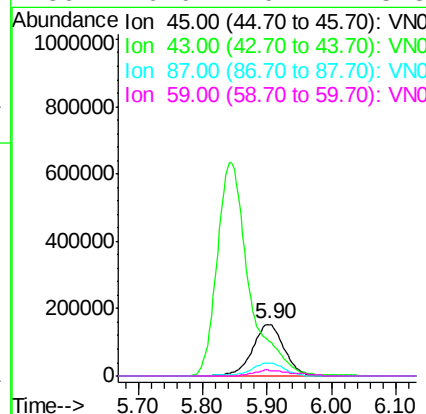
MMDadoda
10/2/2020 3:11:59 PM

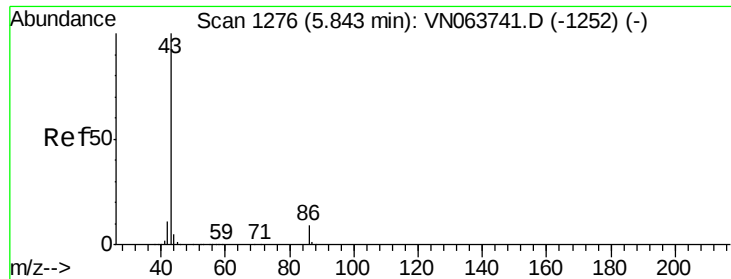


#22

Diisopropyl ether
Concen: 54.112 ug/l
RT: 5.90 min Scan# 1295
Delta R.T. 0.00 min
Lab File: VN063790.D
Acq: 1 Oct 2020 22:57

Tgt Ion	Ratio	Lower	Upper
45	100		
43	65.2	53.7	80.5
87	25.7	21.1	31.7
59	10.9	9.2	13.8





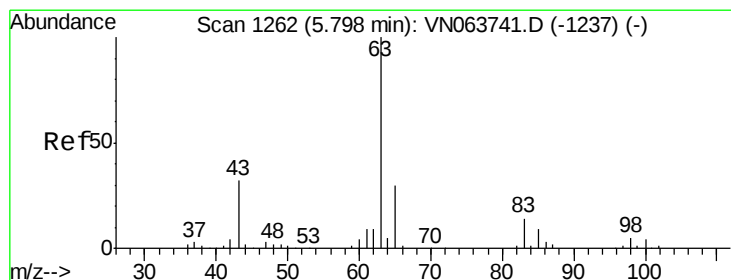
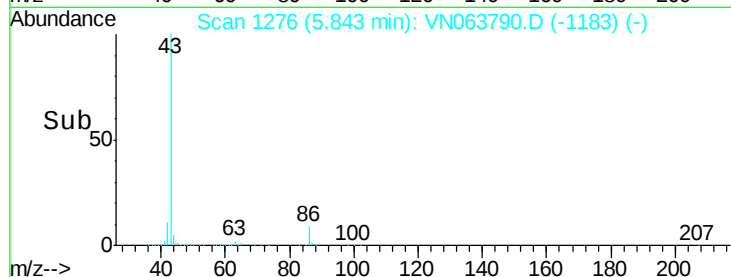
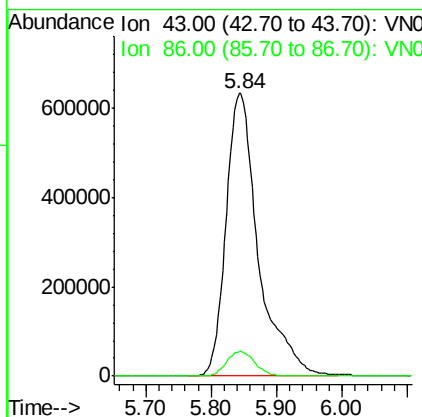
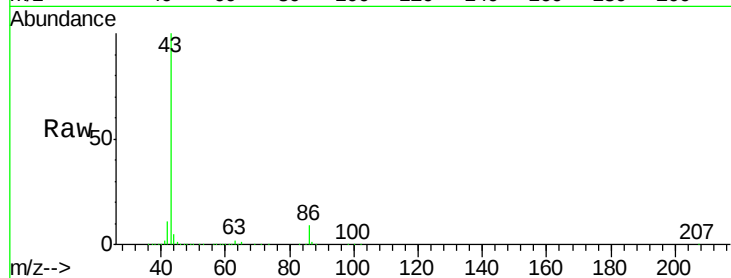
#23
 Vinyl Acetate
 Concen: 271.589 ug/l
 RT: 5.84 min Scan# 1276
 Delta R.T. 0.00 min
 Lab File: VN063790.D
 Acq: 1 Oct 2020 22:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 2178970
 Ion Ratio Lower Upper
 43 100
 86 8.7 7.3 10.9

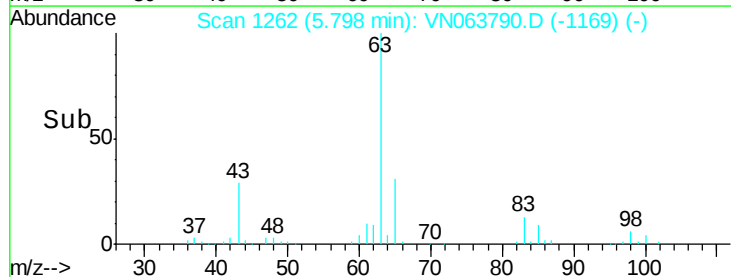
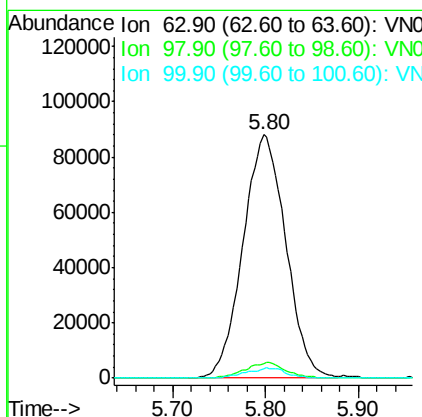
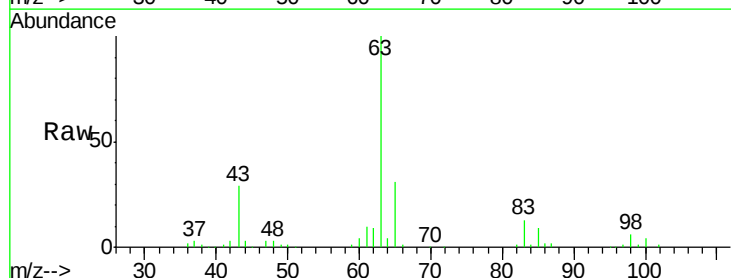
Manual Integrations
 APPROVED

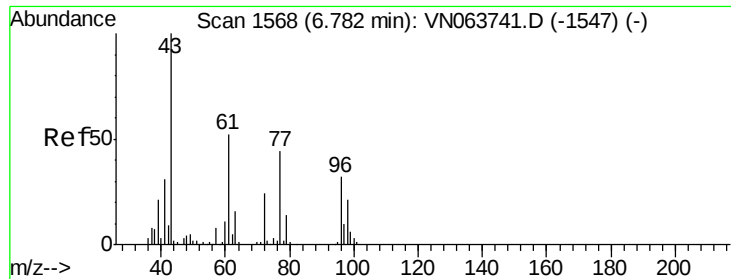
MMDadoda
 10/2/2020 3:11:59 PM



#24
 1,1-Dichloroethane
 Concen: 50.928 ug/l
 RT: 5.80 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VN063790.D
 Acq: 1 Oct 2020 22:57

Tgt Ion: 63 Resp: 282034
 Ion Ratio Lower Upper
 63 100
 98 5.9 2.7 8.1
 100 4.0 1.9 5.7





#25

2-Butanone

Concen: 273.917 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN063790.D

Acq: 1 Oct 2020 22:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 496976

Ion Ratio Lower Upper

43 100

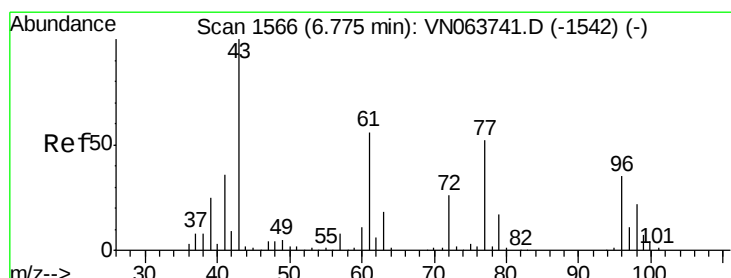
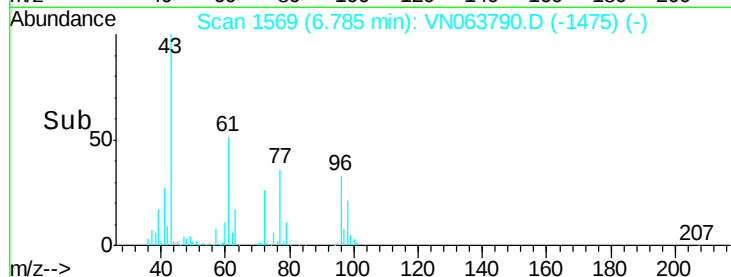
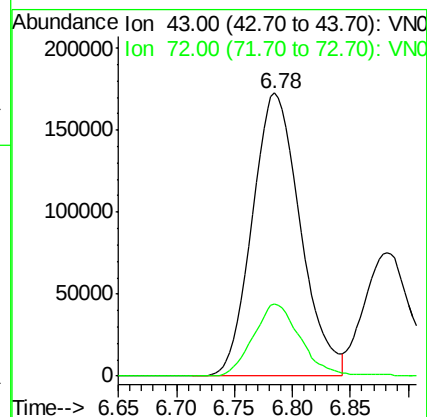
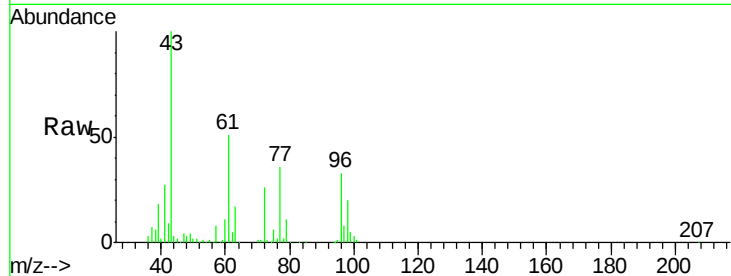
72 25.6 19.3 28.9

Manual Integrations

APPROVED

MMDadoda

10/2/2020 3:11:59 PM



#26

2,2-Dichloropropane

Concen: 41.374 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN063790.D

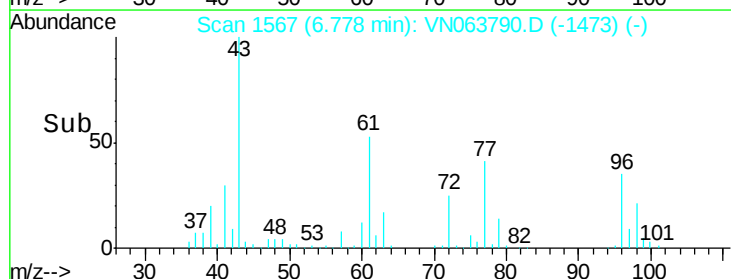
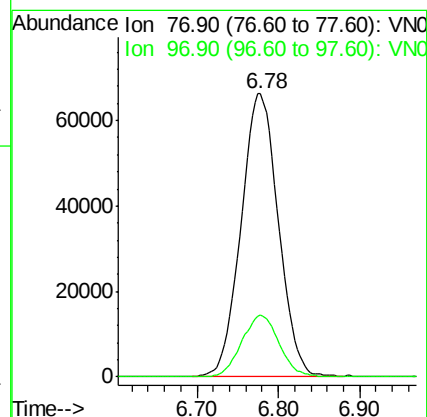
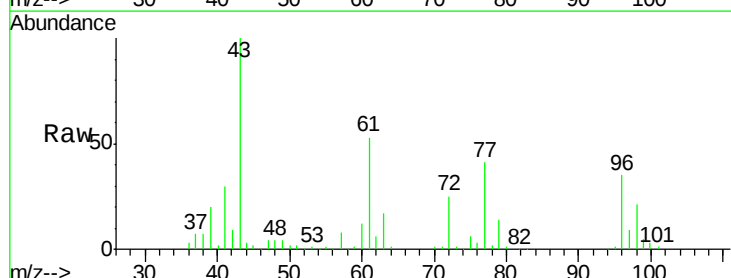
Acq: 1 Oct 2020 22:57

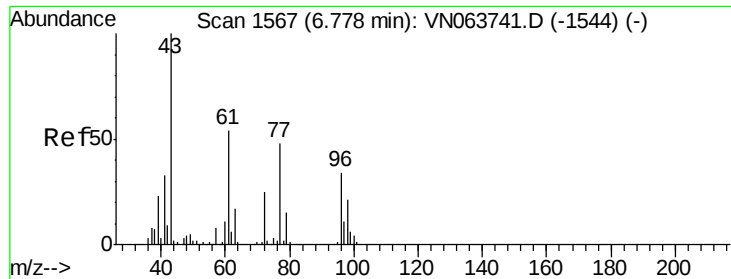
Tgt Ion: 77 Resp: 209824

Ion Ratio Lower Upper

77 100

97 21.8 10.8 32.3





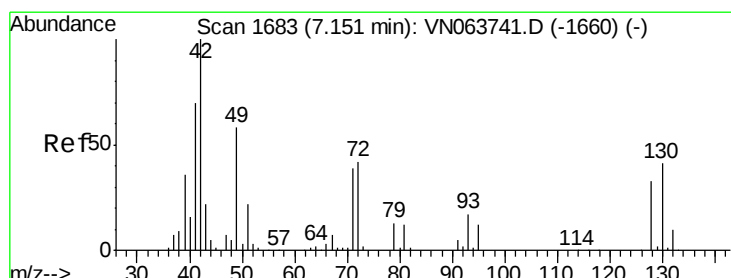
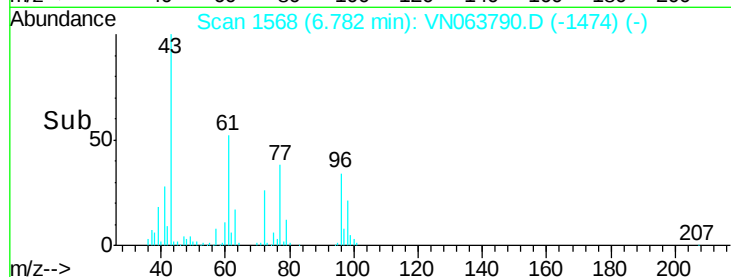
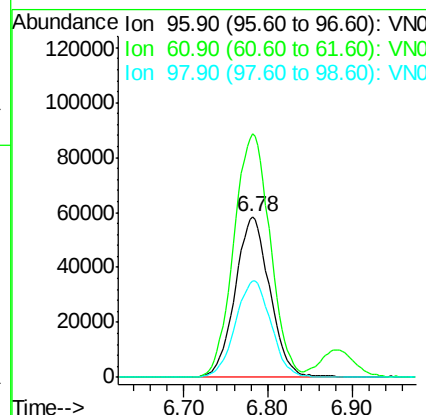
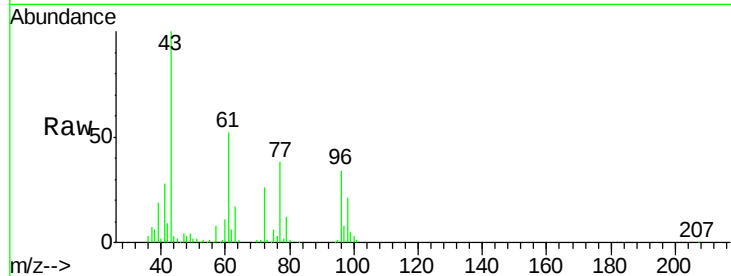
#27
 cis-1,2-Dichloroethene
 Concen: 51.243 ug/l
 RT: 6.78 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VN063790.D
 Acq: 1 Oct 2020 22:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	167271		
61	158.9		0.0	321.2
98	61.9		0.0	124.4

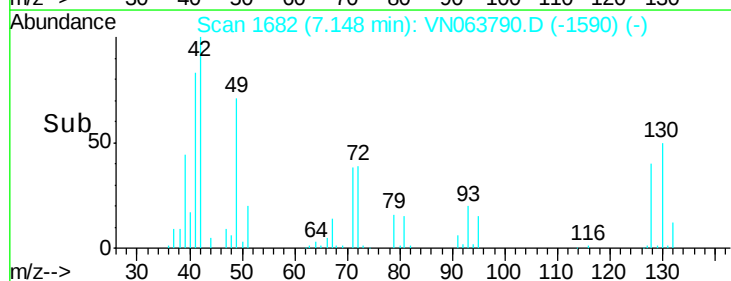
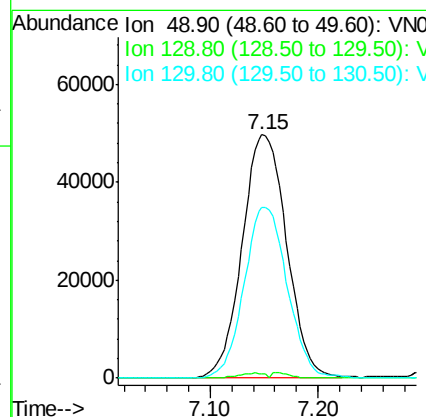
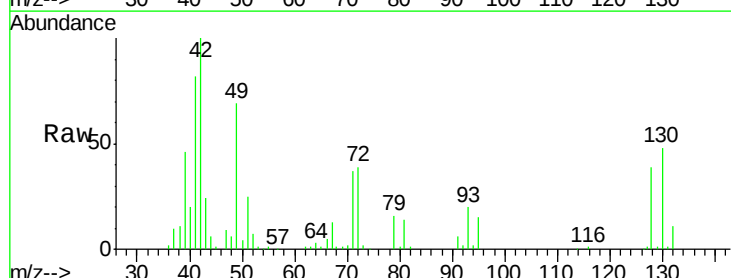
Manual Integrations
 APPROVED

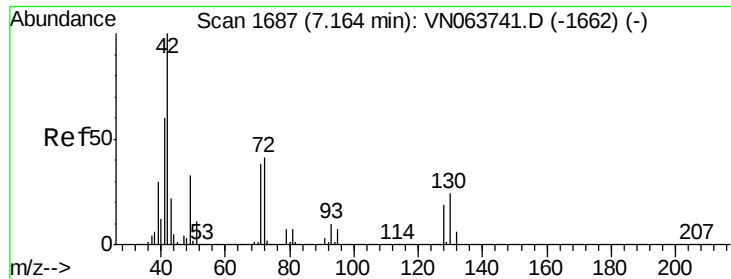
MMDadoda
 10/2/2020 3:11:59 PM



#28
 Bromochloromethane
 Concen: 52.132 ug/l
 RT: 7.15 min Scan# 1682
 Delta R.T. -0.00 min
 Lab File: VN063790.D
 Acq: 1 Oct 2020 22:57

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	142689		
129	1.2		0.0	4.8
130	68.2		55.6	83.4





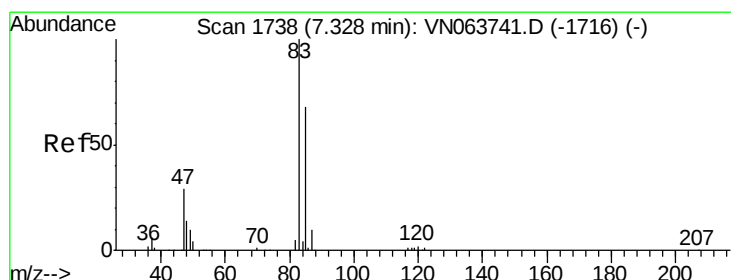
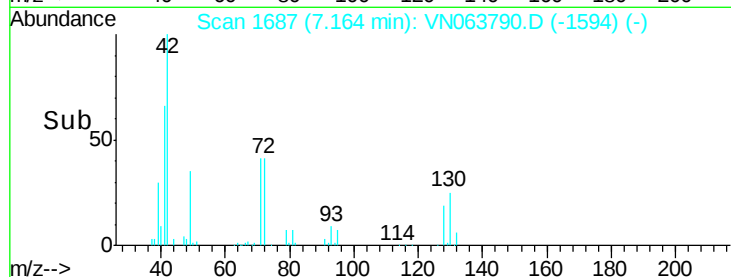
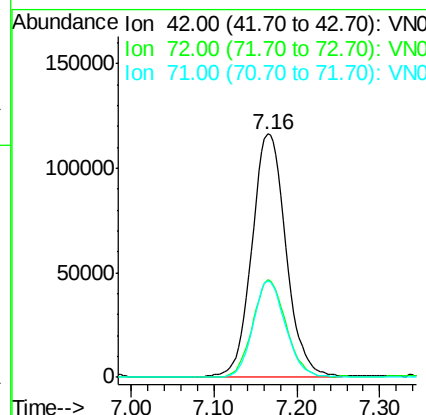
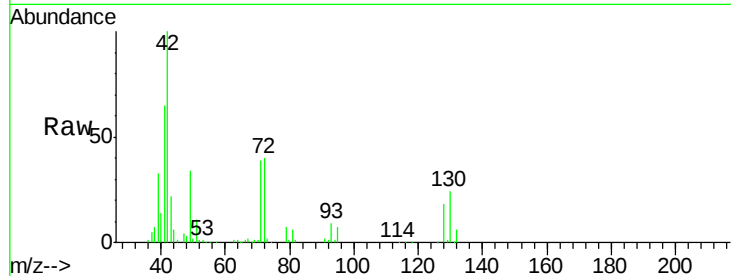
#29
Tetrahydrofuran
Concen: 272.669 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN063790.D
Acq: 1 Oct 2020 22:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.2	32.8	49.2
71	37.9	30.6	45.8

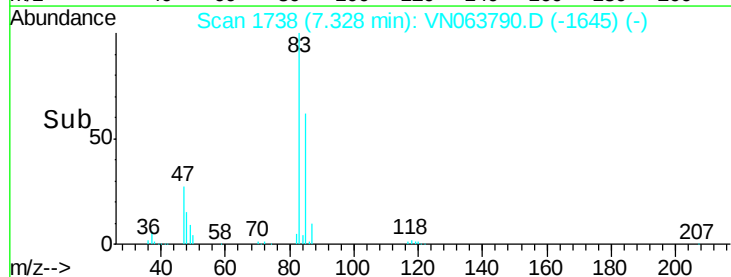
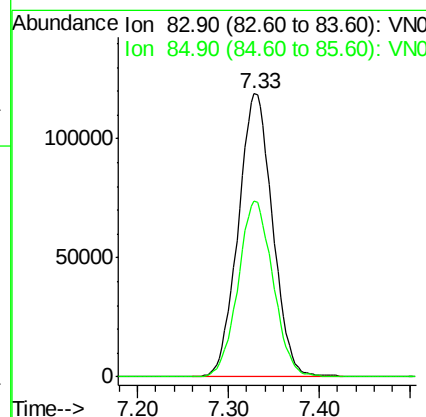
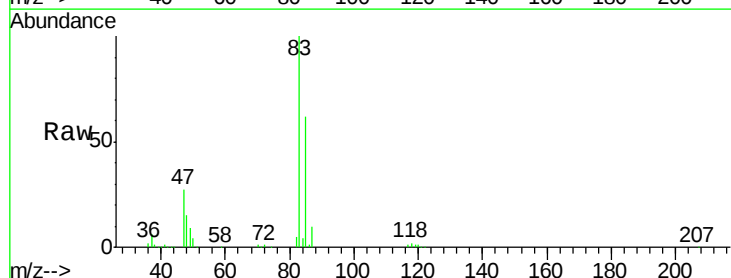
Manual Integrations
APPROVED

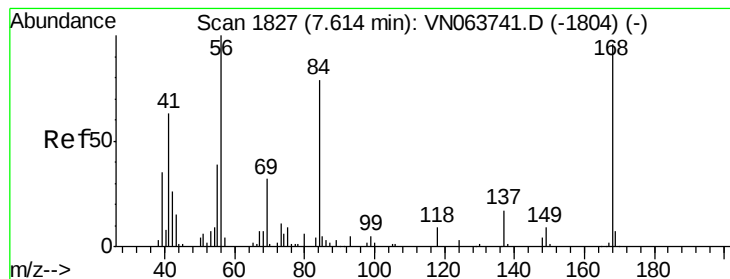
MMDadoda
10/2/2020 3:11:59 PM



#30
Chloroform
Concen: 54.032 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN063790.D
Acq: 1 Oct 2020 22:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.4	54.6	82.0





#31

Cyclohexane

Concen: 47.766 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN063790.D

Acq: 1 Oct 2020 22:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 230533

Ion Ratio Lower Upper

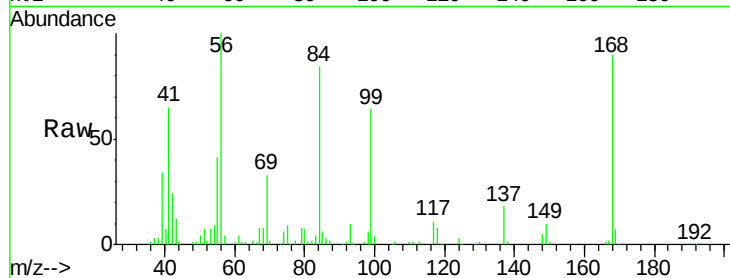
56 100

69 33.4 25.4 38.2

84 81.9 63.3 94.9

Manual Integrations
APPROVED

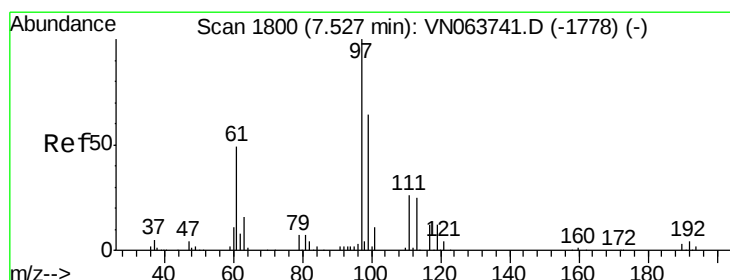
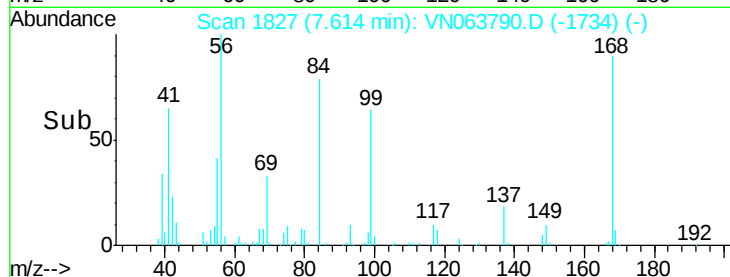
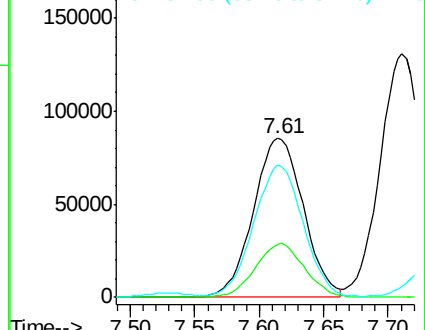
MMDadoda
10/2/2020 3:11:59 PM



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 52.262 ug/l

RT: 7.53 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN063790.D

Acq: 1 Oct 2020 22:57

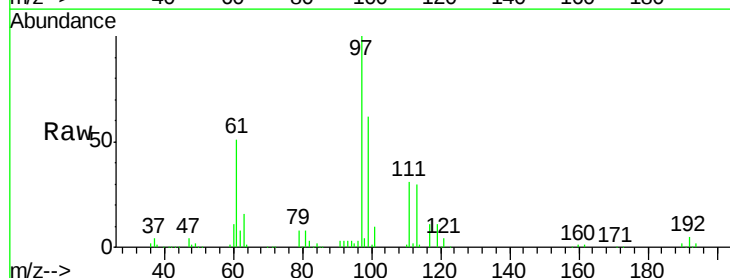
Tgt Ion: 97 Resp: 272195

Ion Ratio Lower Upper

97 100

99 64.3 51.0 76.6

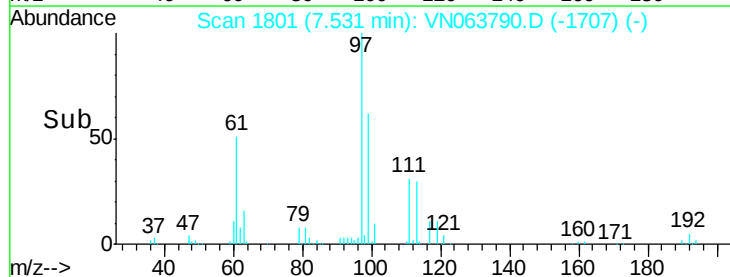
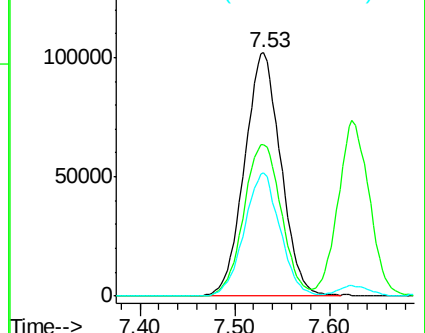
61 49.6 38.7 58.1

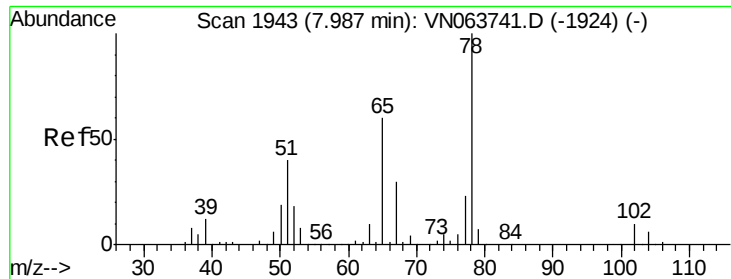


Abundance Ion 96.90 (96.60 to 97.60): VNO

Ion 98.90 (98.60 to 99.60): VNO

Ion 60.90 (60.60 to 61.60): VNO





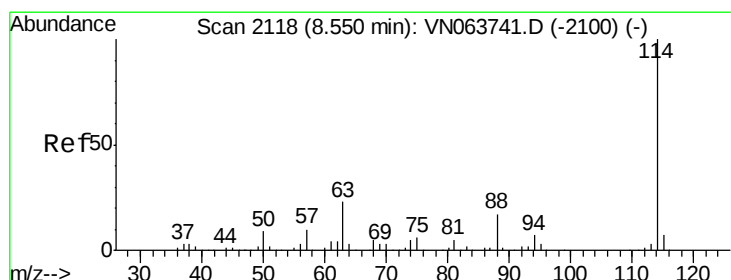
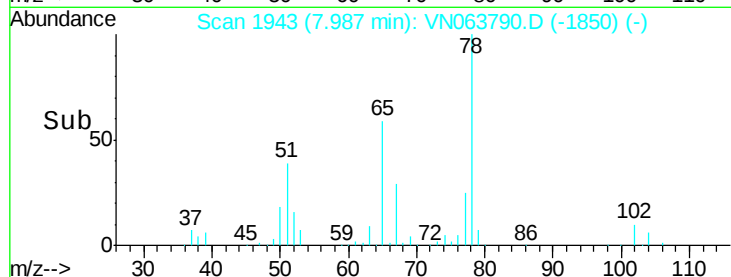
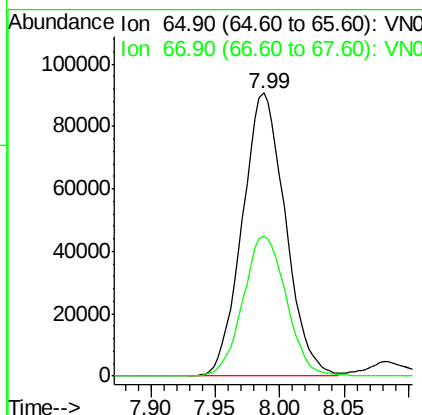
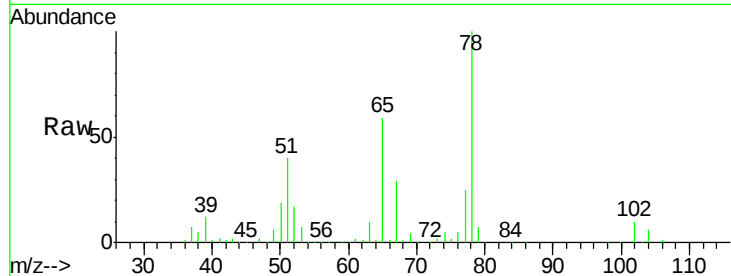
#33
 1,2-Dichloroethane-d4
 Concen: 50.817 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN063790.D
 Acq: 1 Oct 2020 22:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	211258		
67	49.8	0.0	99.6	

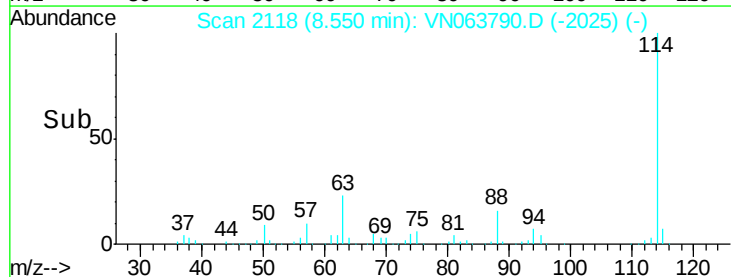
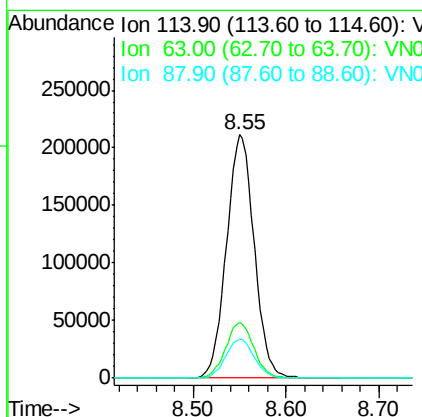
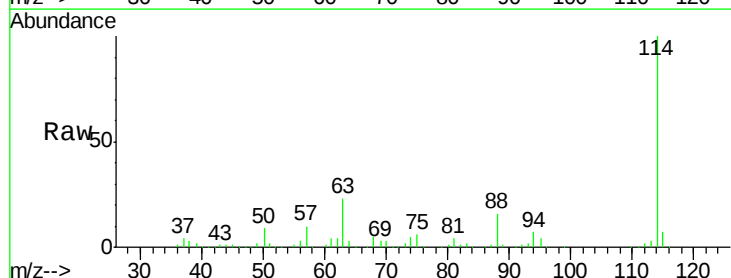
Manual Integrations
 APPROVED

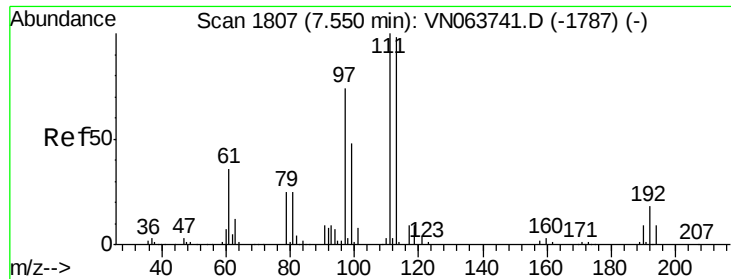
MMDadoda
 10/2/2020 3:11:59 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN063790.D
 Acq: 1 Oct 2020 22:57

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	438535		
63	22.7	0.0	45.0	
88	16.1	0.0	34.0	





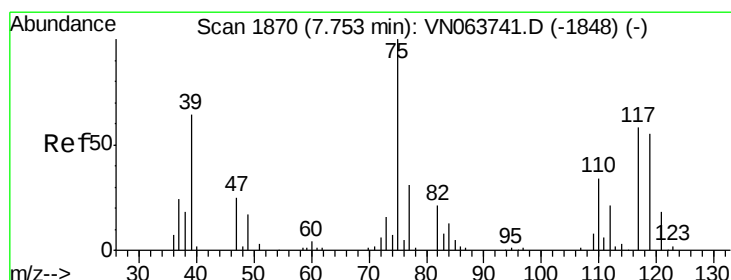
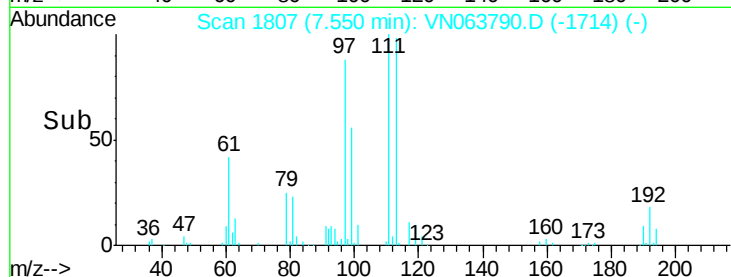
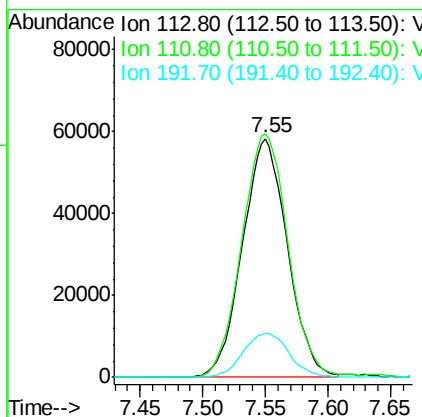
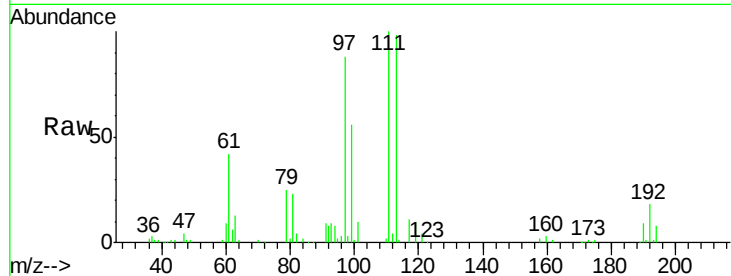
#35
Dibromofluoromethane
Concen: 47.704 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN063790.D
Acq: 1 Oct 2020 22:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	145158		
111	105.4	81.8	122.8	
192	18.9	14.2	21.2	

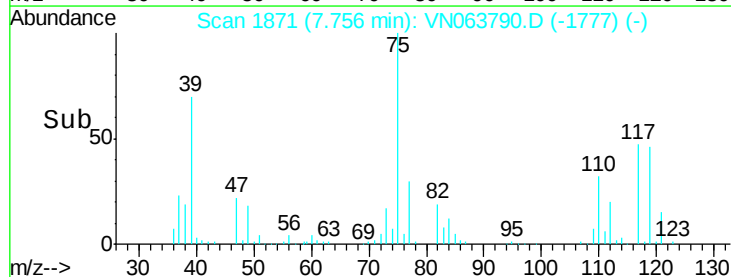
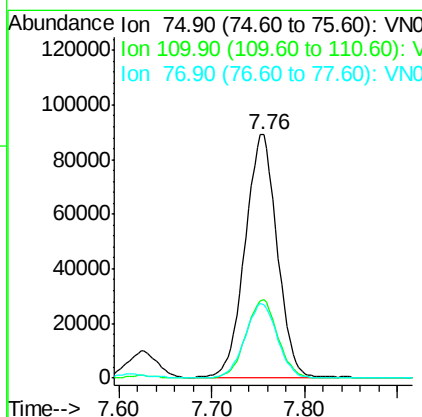
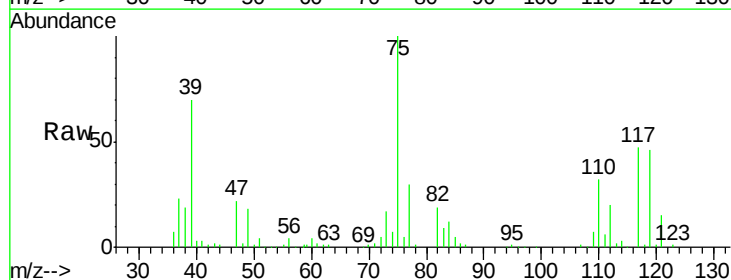
Manual Integrations
APPROVED

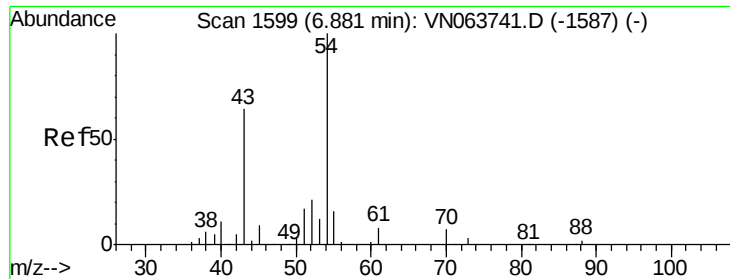
MMDadoda
10/2/2020 3:11:59 PM



#36
1,1-Dichloropropene
Concen: 48.120 ug/l
RT: 7.76 min Scan# 1871
Delta R.T. 0.00 min
Lab File: VN063790.D
Acq: 1 Oct 2020 22:57

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	213789		
110	32.3	16.9	50.6	
77	31.0	24.5	36.7	





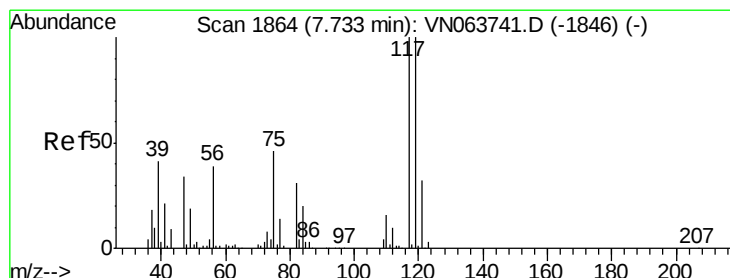
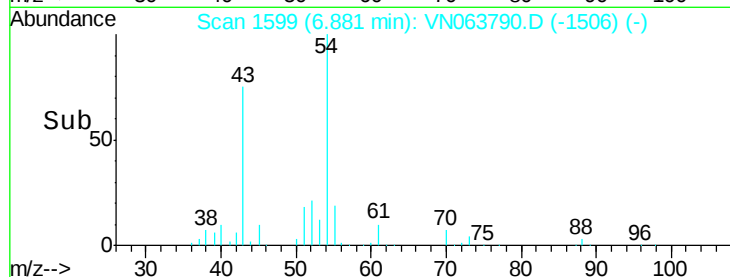
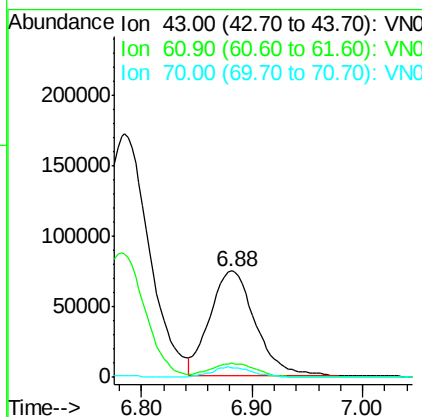
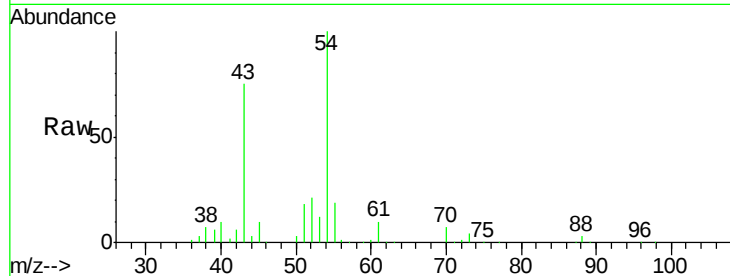
#37
Ethyl Acetate
Concen: 48.138 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN063790.D
Acq: 1 Oct 2020 22:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.9	10.4	15.6
70	9.0	7.3	10.9

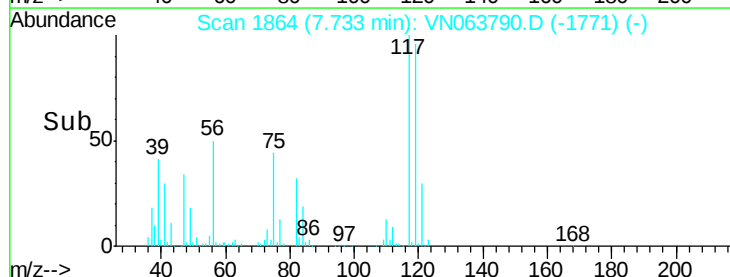
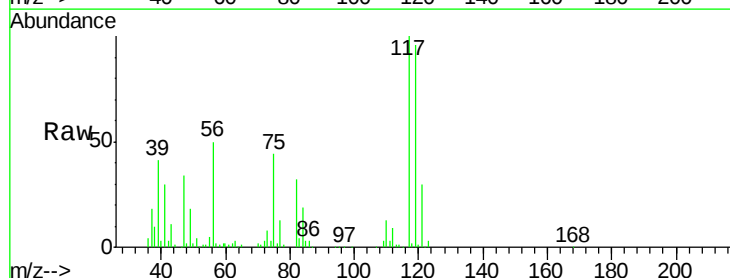
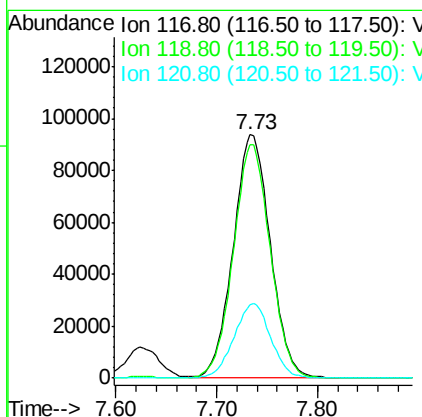
Manual Integrations
APPROVED

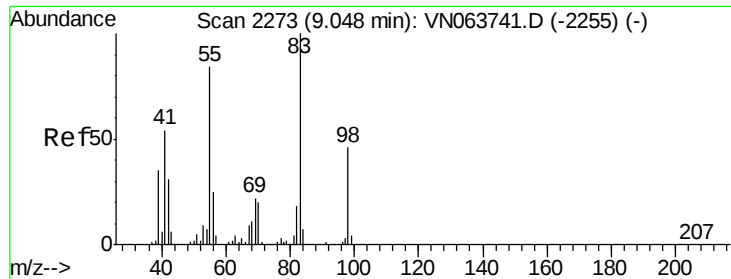
MMDadoda
10/2/2020 3:11:59 PM



#38
Carbon Tetrachloride
Concen: 47.935 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN063790.D
Acq: 1 Oct 2020 22:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	80.1	120.1
121	30.1	25.7	38.5





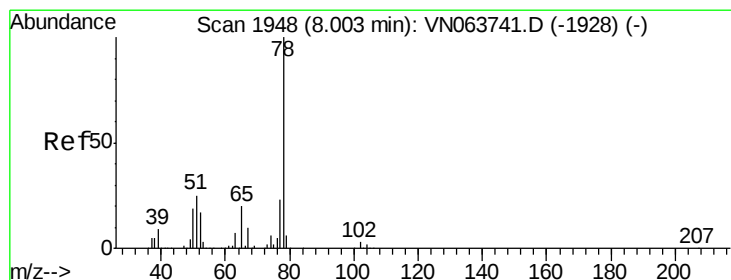
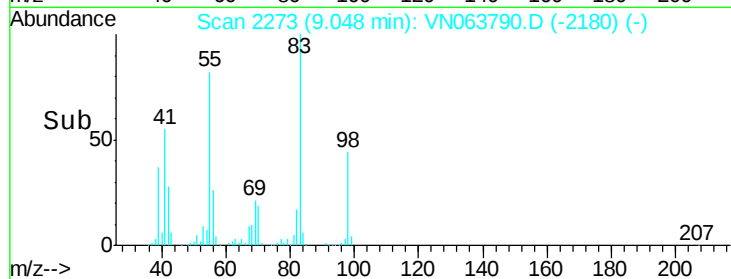
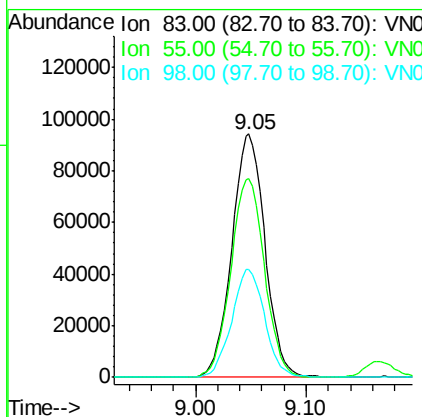
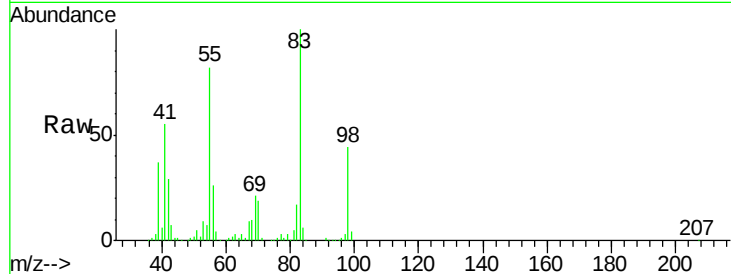
#39
Methvlcvclohexane
Concen: 44.319 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN063790.D
Acq: 1 Oct 2020 22:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.8	67.1	100.7
98	44.4	36.6	54.8

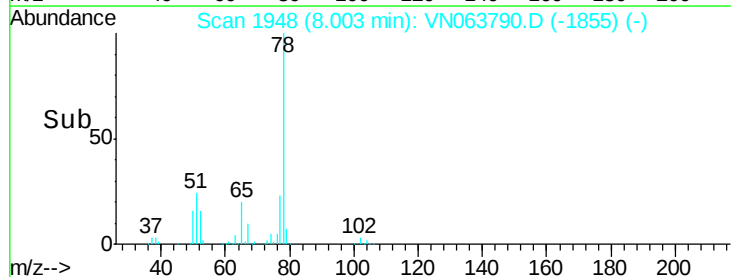
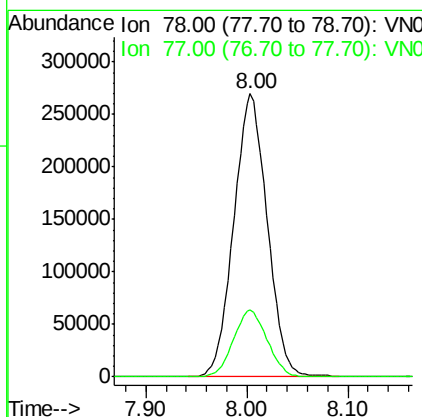
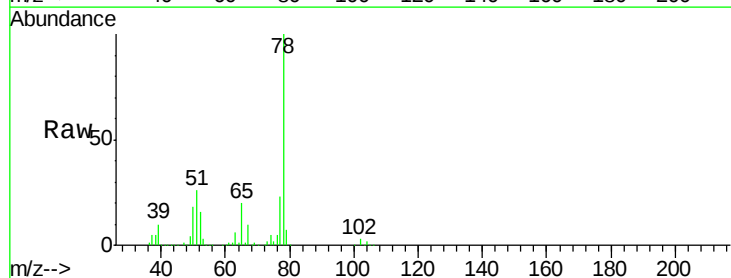
Manual Integrations
APPROVED

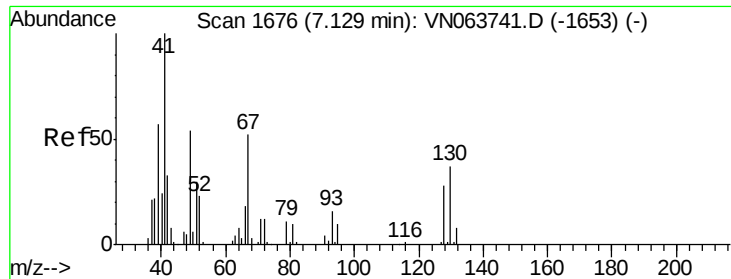
MMDadoda
10/2/2020 3:11:59 PM



#40
Benzene
Concen: 48.883 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN063790.D
Acq: 1 Oct 2020 22:57

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.7	28.1





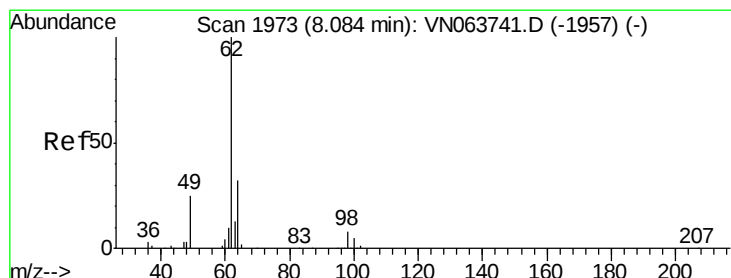
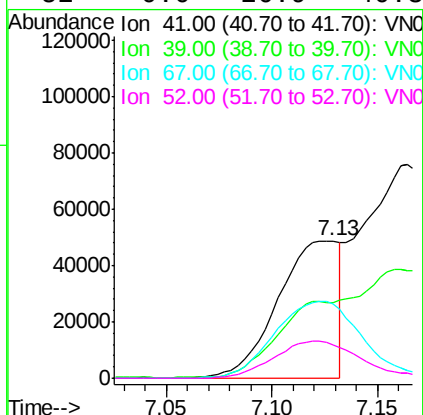
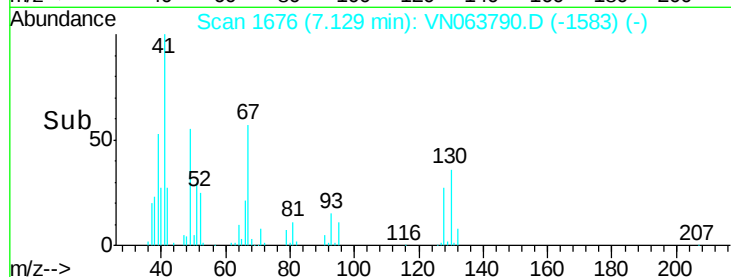
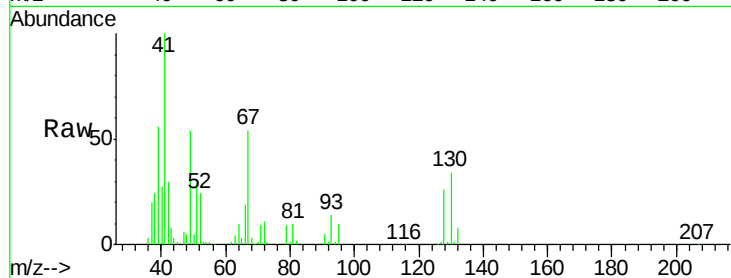
#41
Methacrylonitrile
Concen: 50.586 ug/l m
RT: 7.13 min Scan# 1676
Delta R.T. 0.00 min
Lab File: VN063790.D
Acq: 1 Oct 2020 22:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	42.5	63.7#
67	0.0	57.4	86.2#
52	0.0	26.9	40.3#

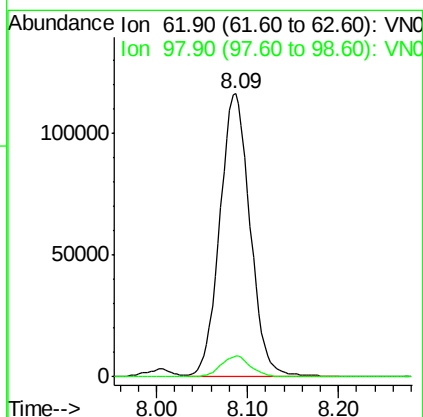
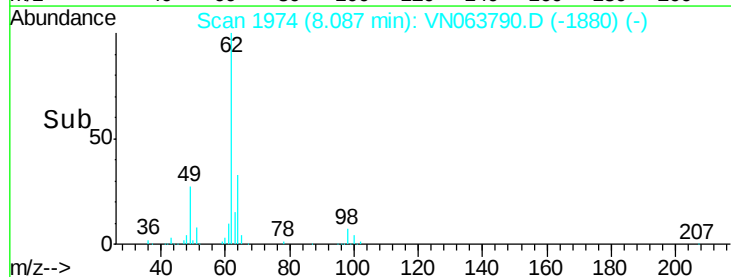
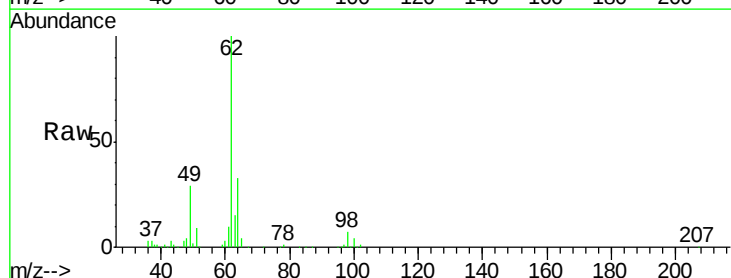
Manual Integrations
APPROVED

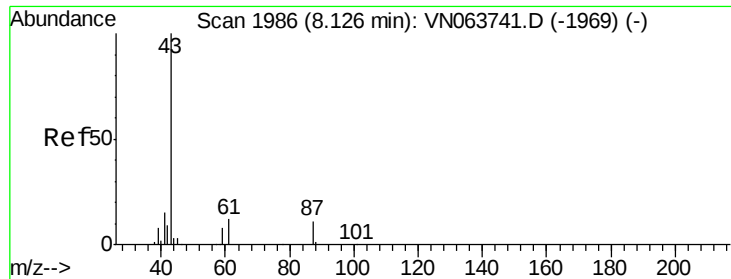
MMDadoda
10/2/2020 3:11:59 PM



#42
1,2-Dichloroethane
Concen: 49.465 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN063790.D
Acq: 1 Oct 2020 22:57

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.2	0.0	15.0





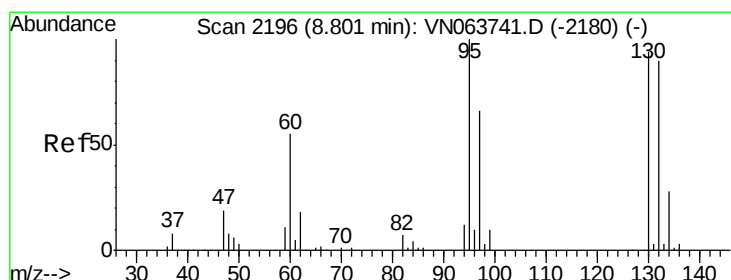
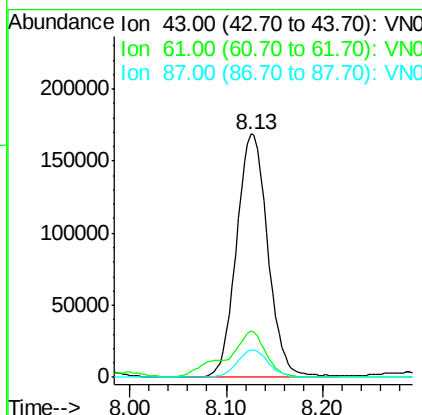
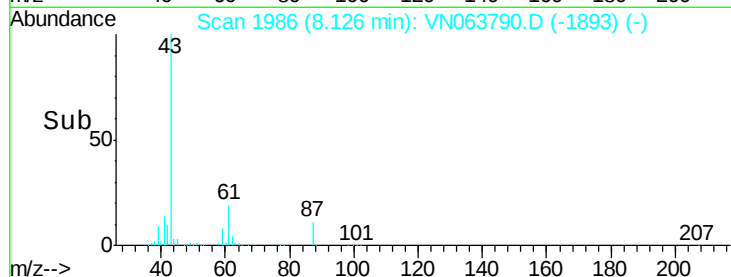
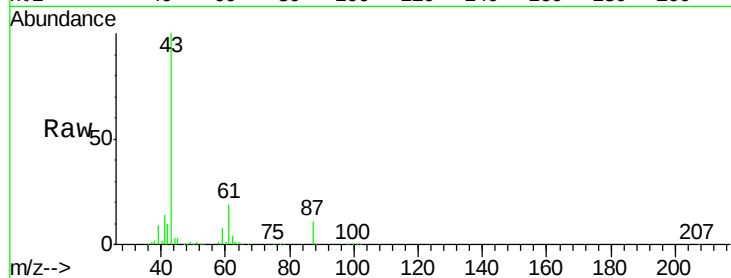
#43
Isopropyl Acetate
Concen: 52.004 ug/l
RT: 8.13 min Scan# 1986
Delta R.T. 0.00 min
Lab File: VN063790.D
Acq: 1 Oct 2020 22:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.6	14.2	21.4
87	11.3	9.0	13.6

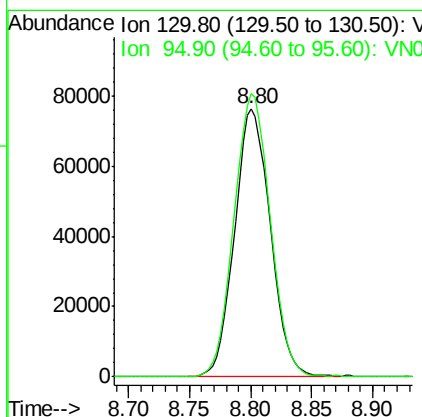
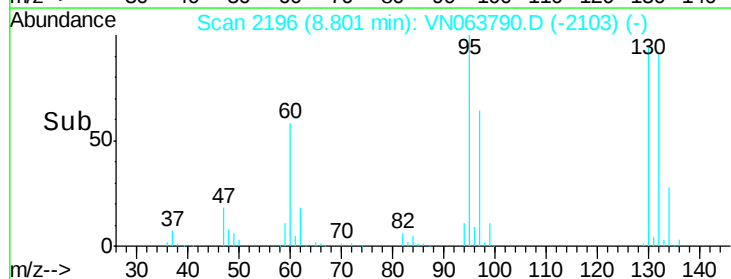
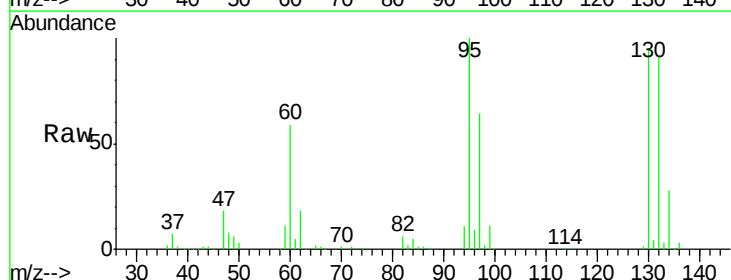
Manual Integrations
APPROVED

MMDadoda
10/2/2020 3:11:59 PM



#44
Trichloroethene
Concen: 46.610 ug/l
RT: 8.80 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN063790.D
Acq: 1 Oct 2020 22:57

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.6	0.0	213.6





#45

1,2-Dichloropropane

Concen: 50.201 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN063790.D

Acq: 1 Oct 2020 22:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 172042

Ion Ratio Lower Upper

63 100

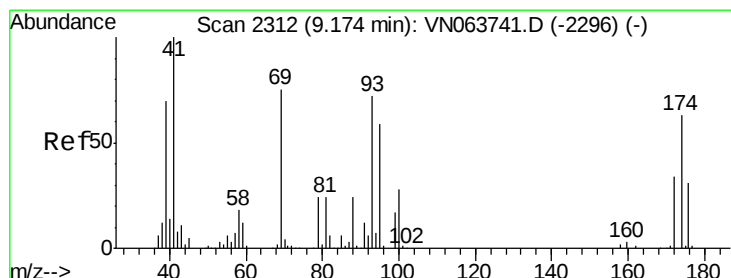
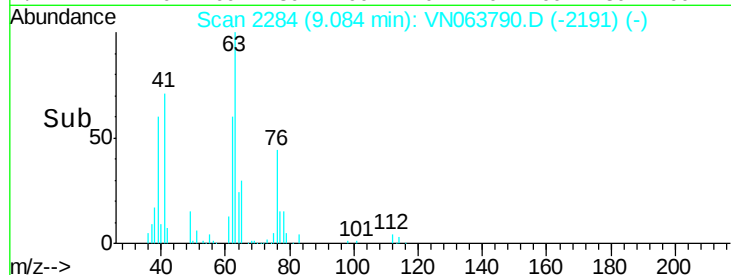
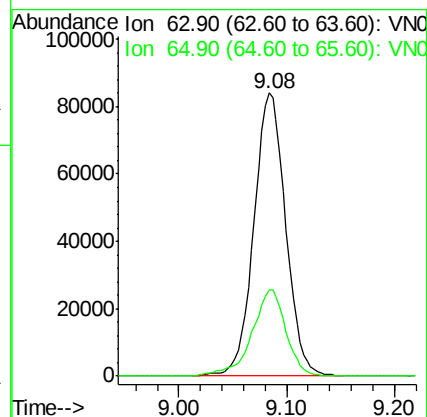
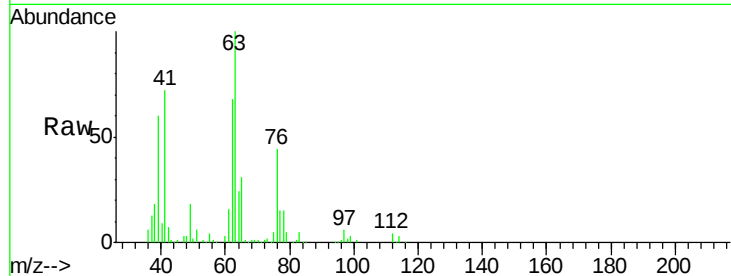
65 30.5 24.7 37.1

Manual Integrations

APPROVED

MMDadoda

10/2/2020 3:11:59 PM



#46

Dibromomethane

Concen: 49.577 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN063790.D

Acq: 1 Oct 2020 22:57

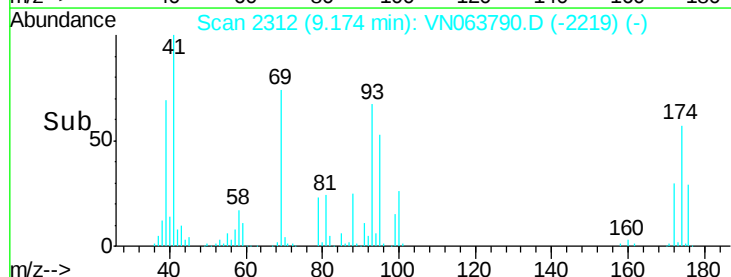
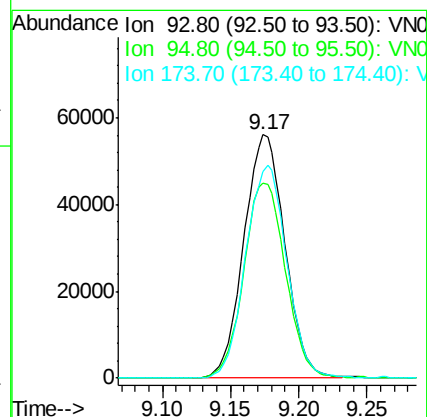
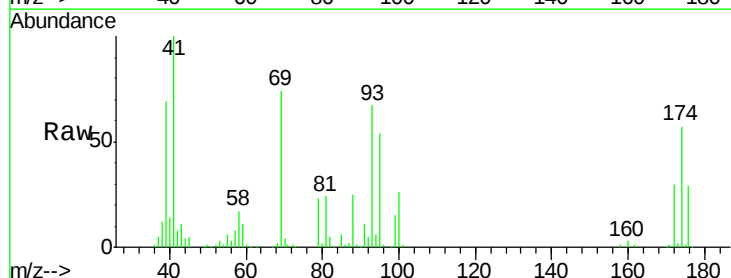
Tgt Ion: 93 Resp: 117209

Ion Ratio Lower Upper

93 100

95 81.6 66.3 99.5

174 87.5 72.7 109.1





#47

Bromodichloromethane

Concen: 49.768 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN063790.D

Acq: 1 Oct 2020 22:57

Instrument :

MSVOA_N

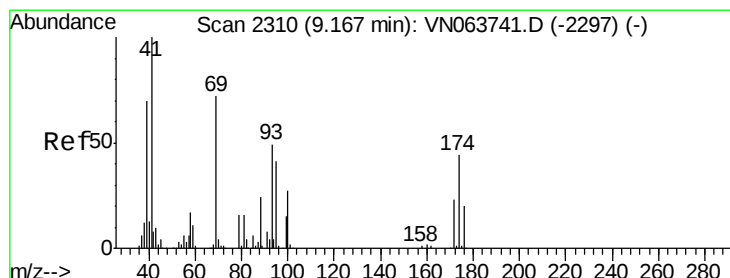
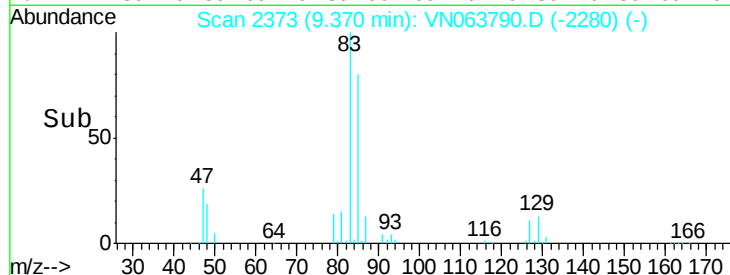
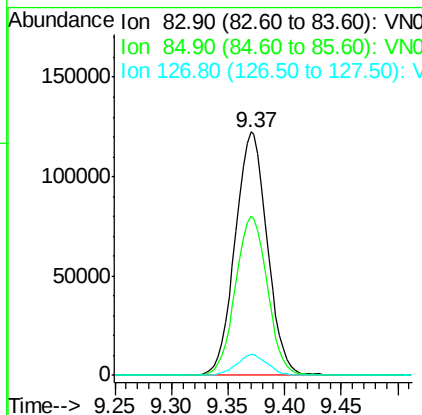
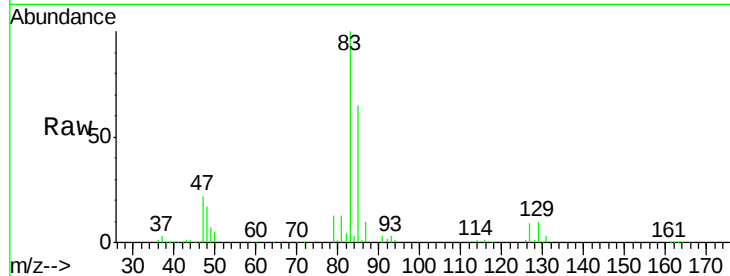
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	242491
Ion Ratio	Lower	Upper	
83	100		
85	65.5	50.6	75.8
127	8.7	6.6	9.8

Manual Integrations
APPROVED

MMDadoda
10/2/2020 3:11:59 PM



#48

Methyl methacrylate

Concen: 53.703 ug/l

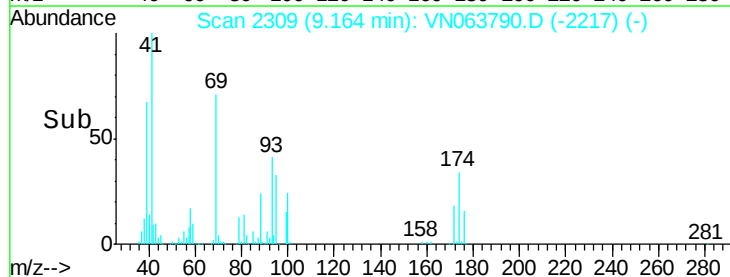
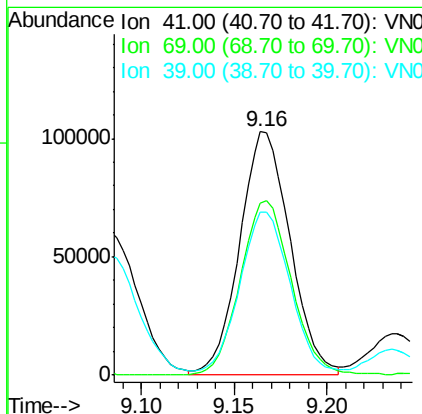
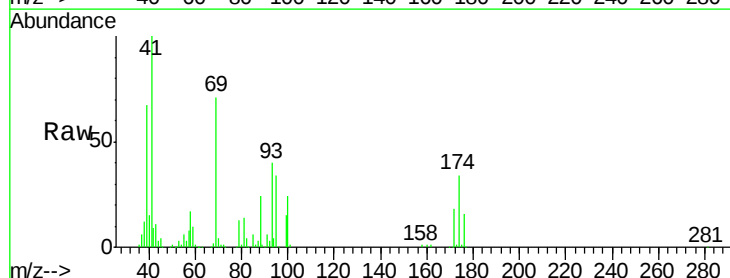
RT: 9.16 min Scan# 2309

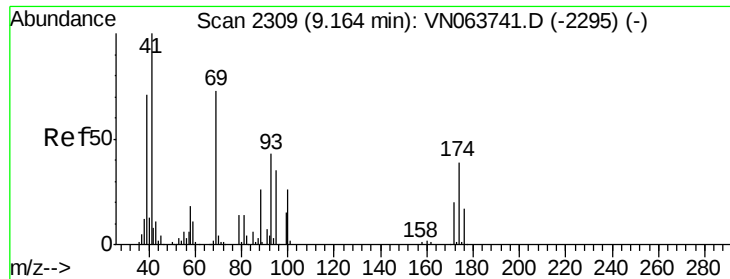
Delta R.T. -0.00 min

Lab File: VN063790.D

Acq: 1 Oct 2020 22:57

Tgt Ion:	41	Resp:	193173
Ion Ratio	Lower	Upper	
41	100		
69	73.1	60.9	91.3
39	68.0	57.5	86.3





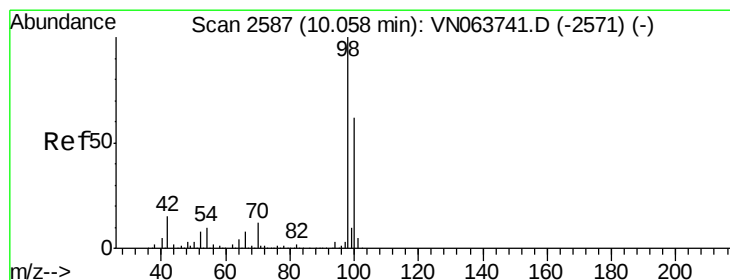
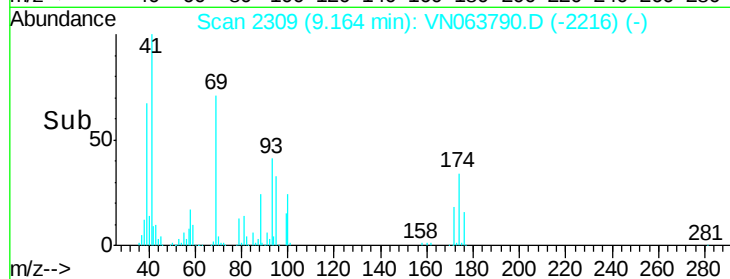
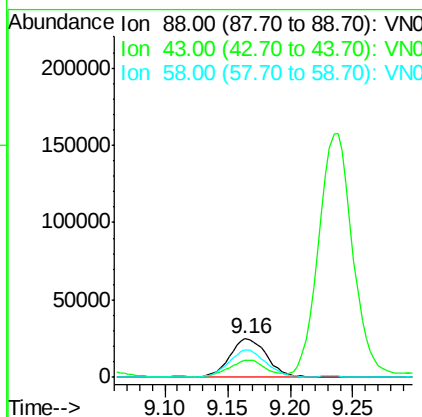
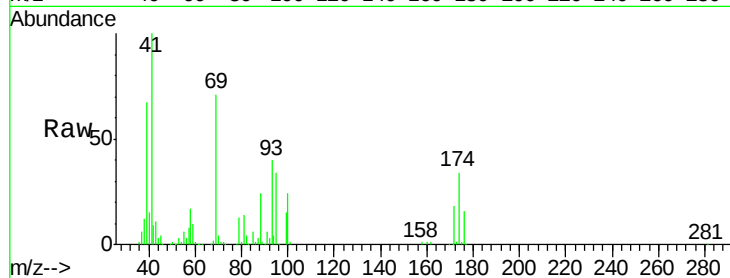
#49
1,4-Dioxane
Concen: 1003.076 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN063790.D
Acq: 1 Oct 2020 22:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	51280
Ion Ratio	Lower	Upper	
88	100		
43	41.8	33.1	49.7
58	71.6	58.9	88.3

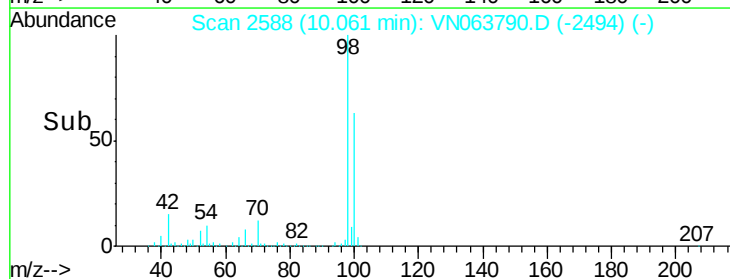
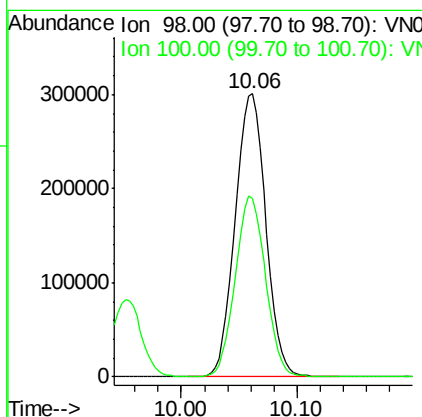
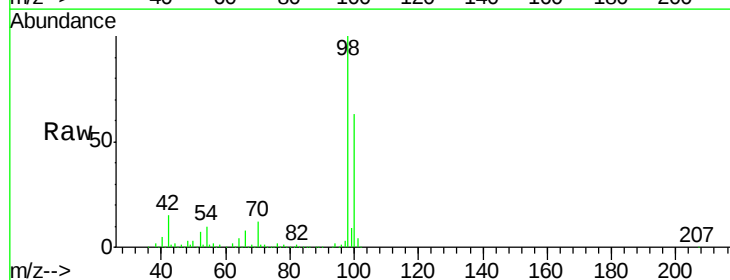
Manual Integrations
APPROVED

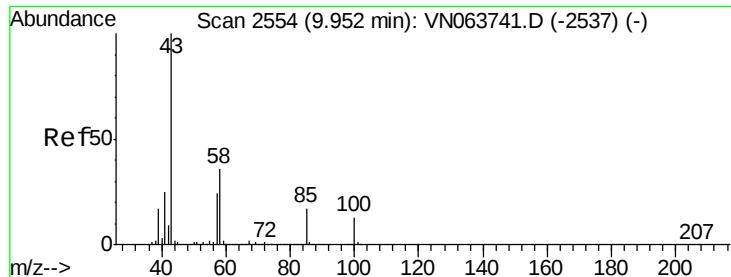
MMDadoda
10/2/2020 3:11:59 PM



#50
Toluene-d8
Concen: 47.781 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063790.D
Acq: 1 Oct 2020 22:57

Tgt Ion	98	Resp	551170
Ion Ratio	Lower	Upper	
98	100		
100	63.0	49.8	74.6





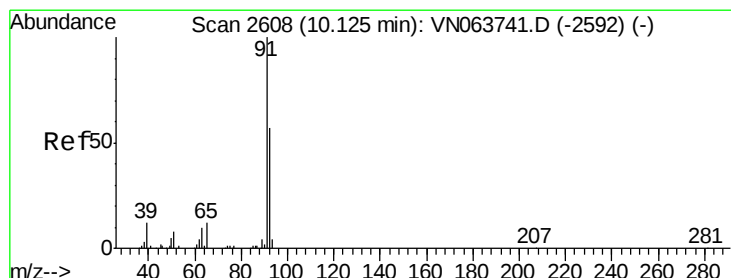
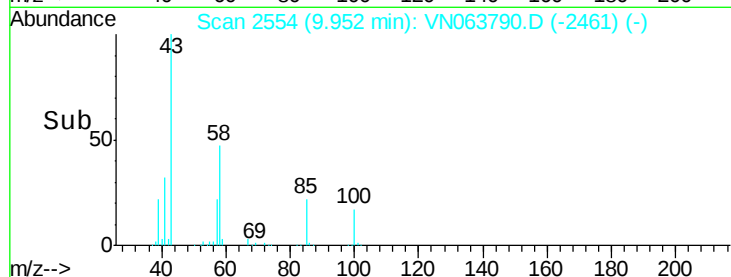
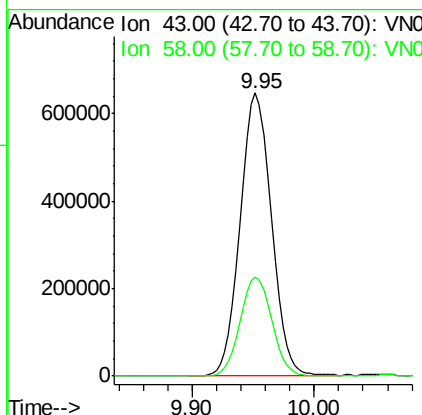
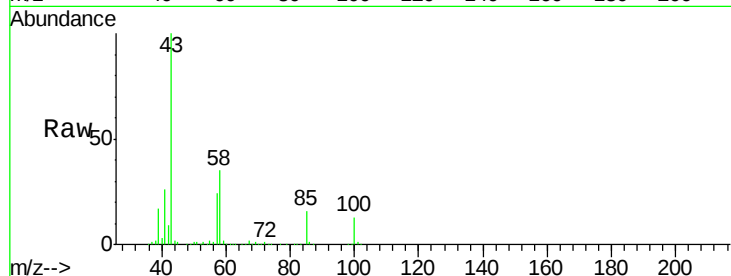
#51
4-Methyl-2-Pentanone
Concen: 267.144 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN063790.D
Acq: 1 Oct 2020 22:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1141404
Ion Ratio Lower Upper
43 100
58 35.6 28.4 42.6

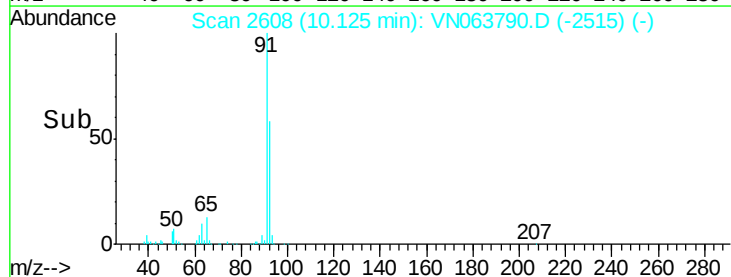
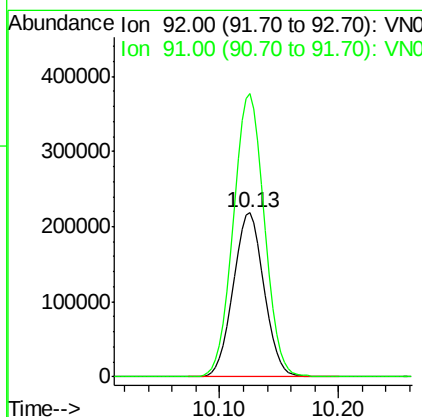
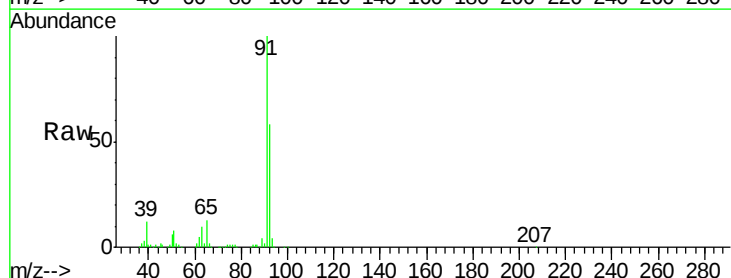
Manual Integrations
APPROVED

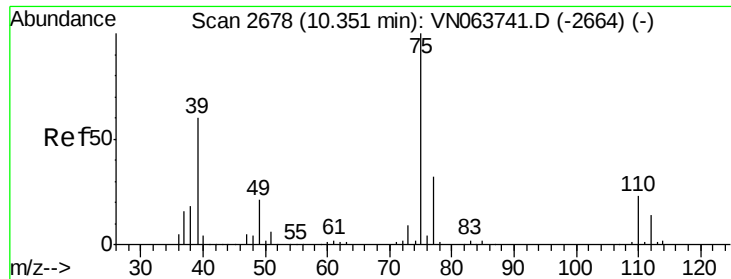
MMDadoda
10/2/2020 3:11:59 PM



#52
Toluene
Concen: 49.859 ug/l
RT: 10.13 min Scan# 2608
Delta R.T. 0.00 min
Lab File: VN063790.D
Acq: 1 Oct 2020 22:57

Tgt Ion: 92 Resp: 391343
Ion Ratio Lower Upper
92 100
91 174.1 140.6 210.8





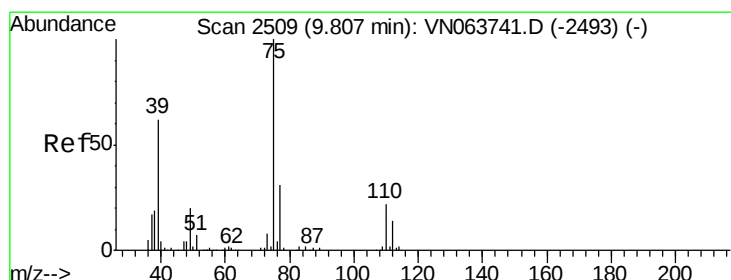
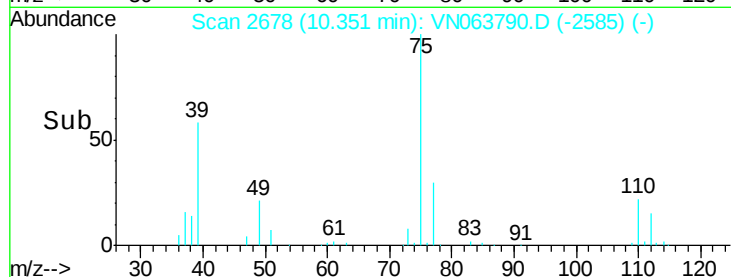
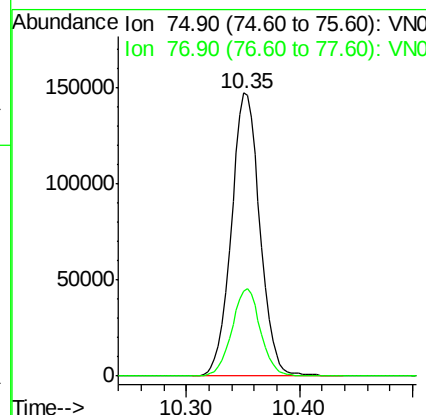
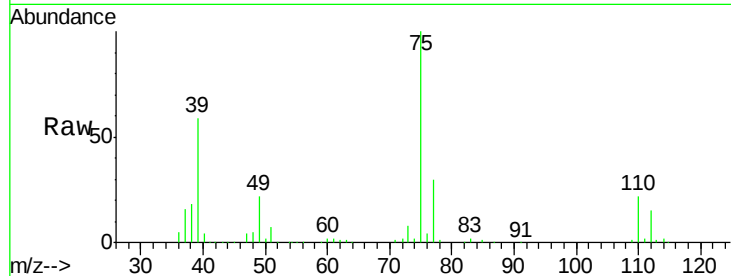
#53
t-1,3-Dichloropropene
Concen: 49.602 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN063790.D
Acq: 1 Oct 2020 22:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 259069
Ion Ratio Lower Upper
75 100
77 30.2 25.3 37.9

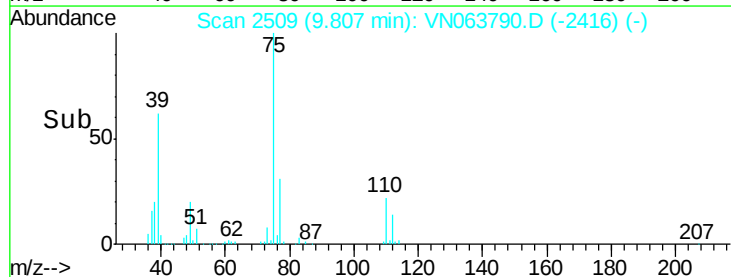
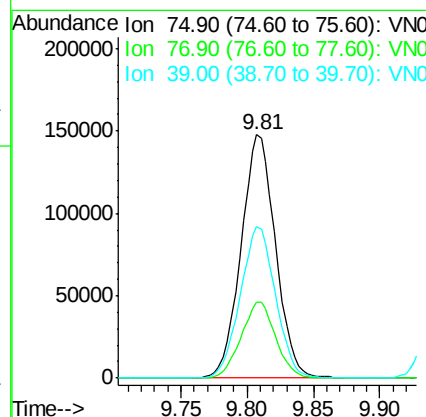
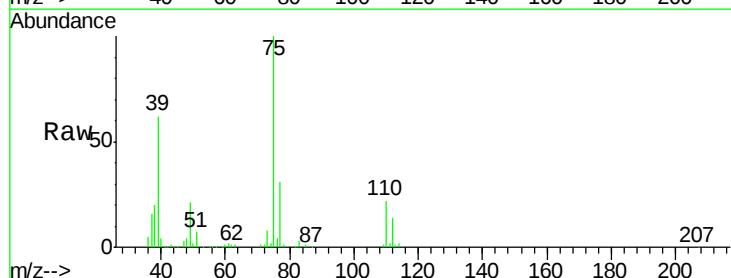
Manual Integrations
APPROVED

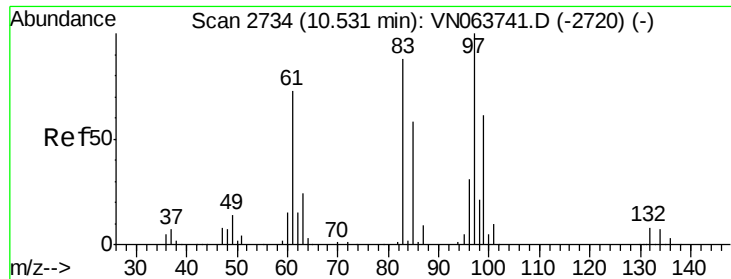
MMDadoda
10/2/2020 3:11:59 PM



#54
cis-1,3-Dichloropropene
Concen: 48.806 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN063790.D
Acq: 1 Oct 2020 22:57

Tgt Ion: 75 Resp: 266591
Ion Ratio Lower Upper
75 100
77 31.4 24.6 36.8
39 62.2 49.7 74.5





#55

1,1,2-Trichloroethane

Concen: 50.355 ug/l

RT: 10.53 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN063790.D

Acq: 1 Oct 2020 22:57

Instrument :

MSVOA_N

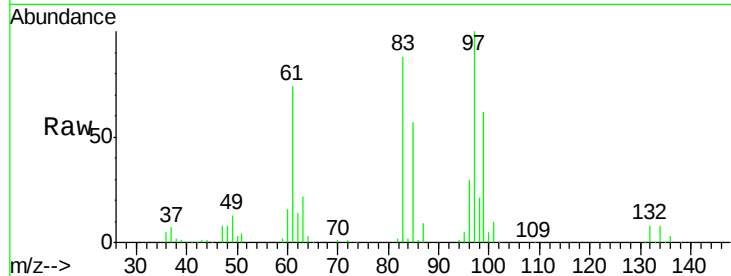
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	158503
Ion	Ratio	Lower	Upper
97	100		
83	87.8	70.7	106.1
85	57.2	46.1	69.1
99	62.0	48.8	73.2

Manual Integrations
APPROVED

MMDadoda
10/2/2020 3:11:59 PM

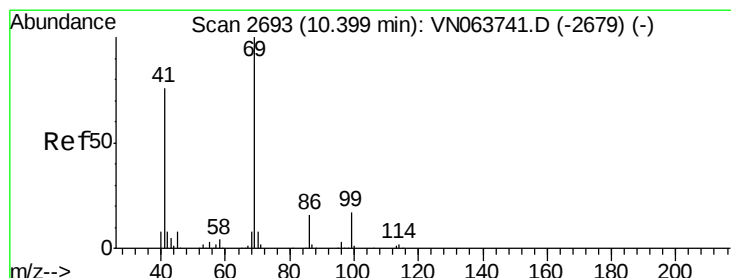
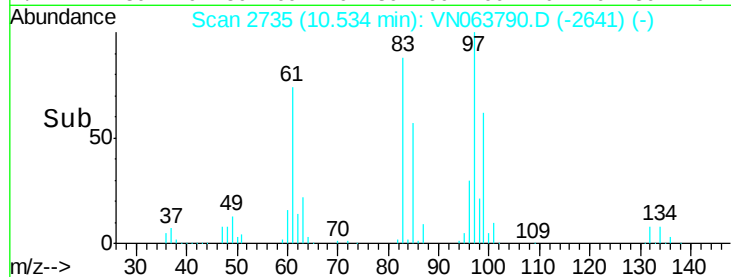
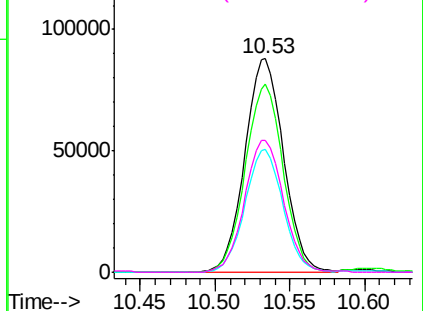


Abundance Ion 96.90 (96.60 to 97.60): VN063790.D (-2641) (-)

Ion 82.90 (82.60 to 83.60): VN063790.D (-2641) (-)

Ion 84.90 (84.60 to 85.60): VN063790.D (-2641) (-)

Ion 98.90 (98.60 to 99.60): VN063790.D (-2641) (-)



#56

Ethyl methacrylate

Concen: 52.809 ug/l

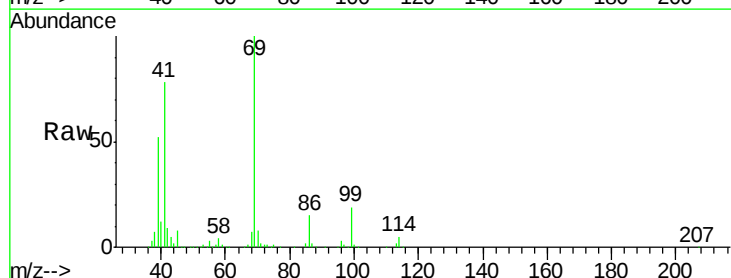
RT: 10.40 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN063790.D

Acq: 1 Oct 2020 22:57

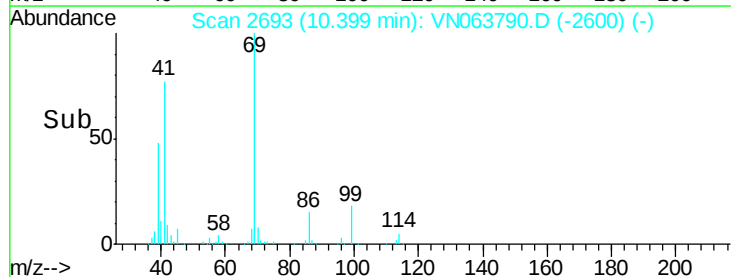
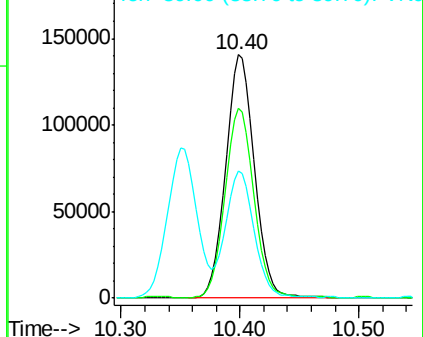
Tgt Ion:	69	Resp:	235621
Ion	Ratio	Lower	Upper
69	100		
41	77.4	61.1	91.7
39	51.5	42.2	63.4

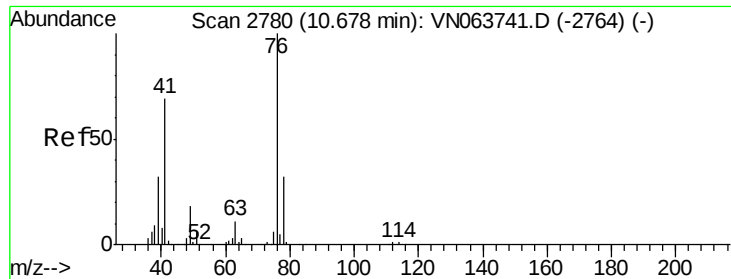


Abundance Ion 69.00 (68.70 to 69.70): VN063790.D (-2600) (-)

Ion 41.00 (40.70 to 41.70): VN063790.D (-2600) (-)

Ion 39.00 (38.70 to 39.70): VN063790.D (-2600) (-)





#57

1,3-Dichloropropane

Concen: 50.776 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. 0.00 min

Lab File: VN063790.D

Acq: 1 Oct 2020 22:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 270405

Ion Ratio Lower Upper

76 100

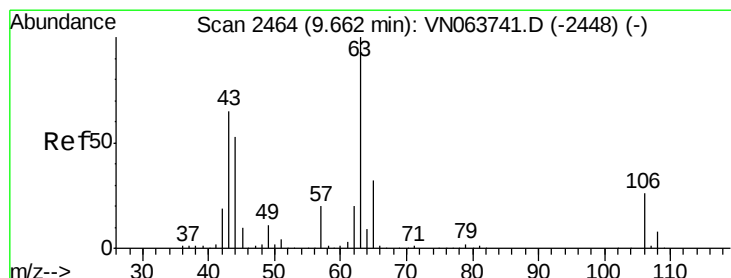
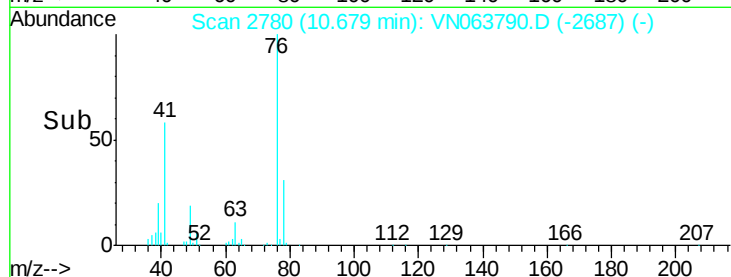
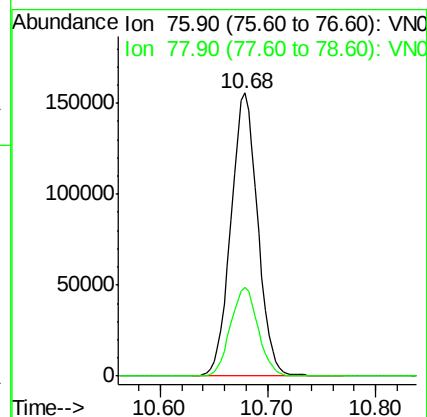
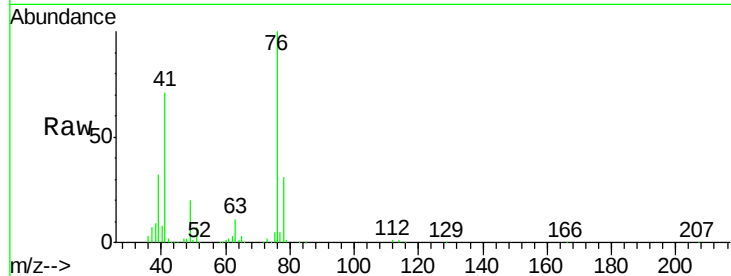
78 32.0 25.2 37.8

Manual Integrations

APPROVED

MMDadoda

10/2/2020 3:11:59 PM



#58

2-Chloroethyl Vinyl ether

Concen: 255.499 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN063790.D

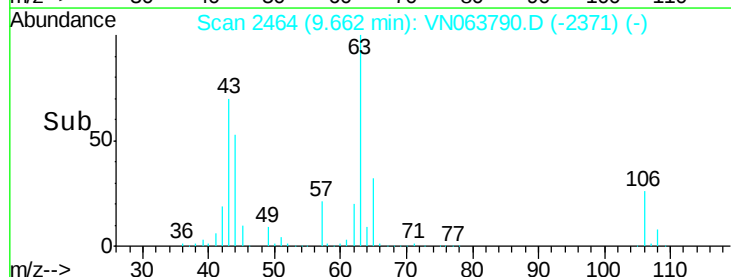
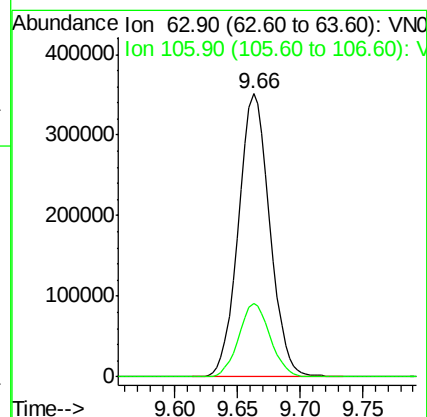
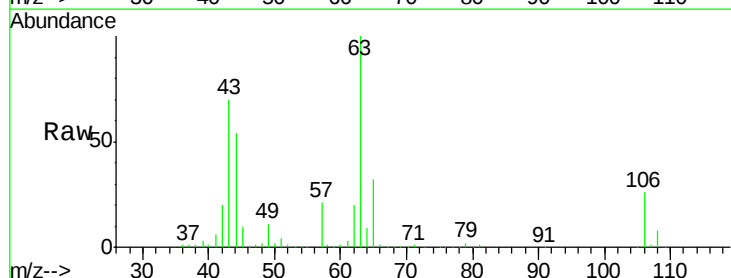
Acq: 1 Oct 2020 22:57

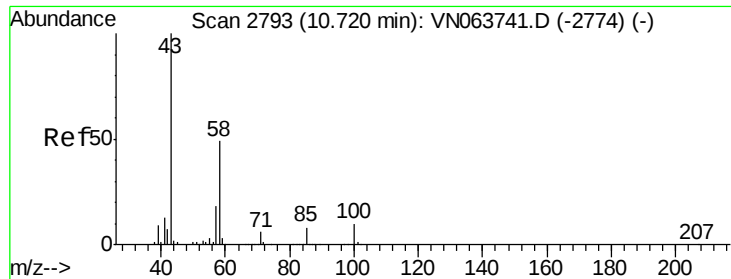
Tgt Ion: 63 Resp: 609788

Ion Ratio Lower Upper

63 100

106 26.2 20.7 31.1





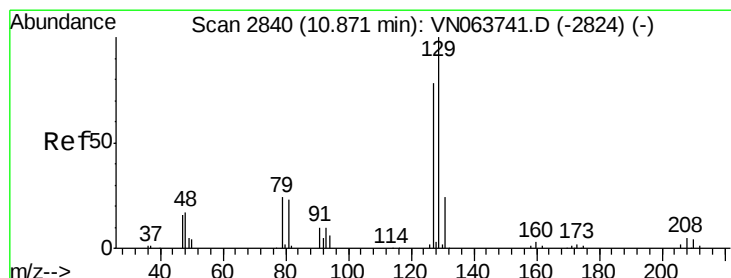
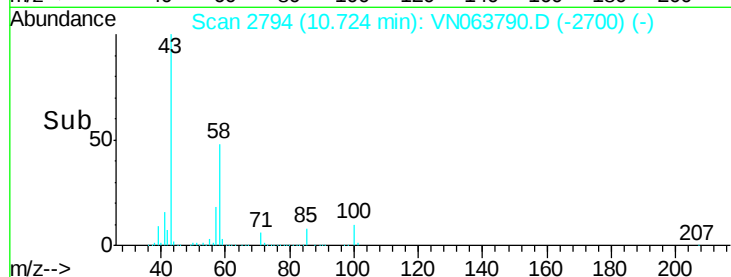
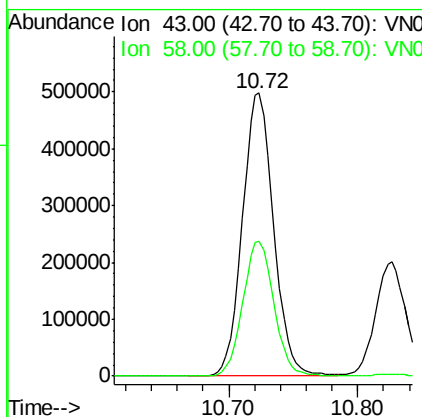
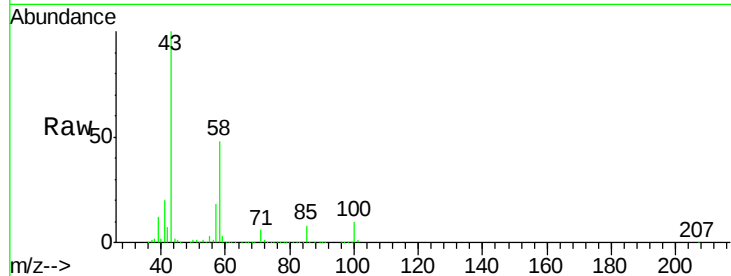
#59
2-Hexanone
Concen: 263.148 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN063790.D
Acq: 1 Oct 2020 22:57

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 43 Resp: 835224
Ion Ratio Lower Upper
43 100
58 47.9 24.6 73.8

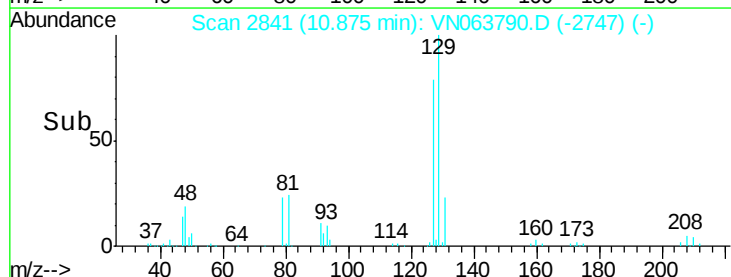
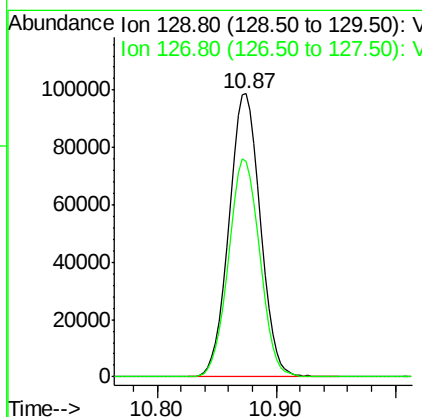
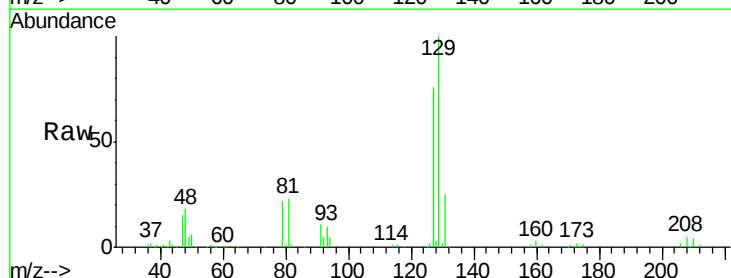
Manual Integrations
APPROVED

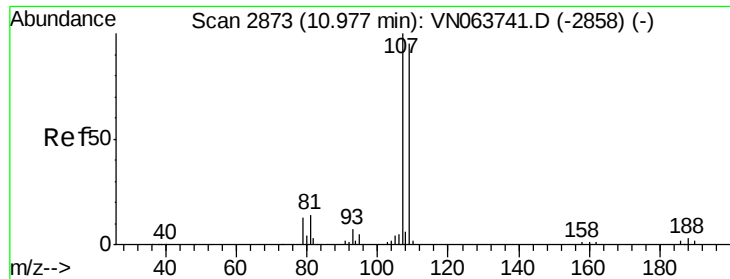
MMDadoda
10/2/2020 3:11:59 PM



#60
Dibromochloromethane
Concen: 49.214 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN063790.D
Acq: 1 Oct 2020 22:57

Tgt Ion: 129 Resp: 180407
Ion Ratio Lower Upper
129 100
127 76.7 38.9 116.7





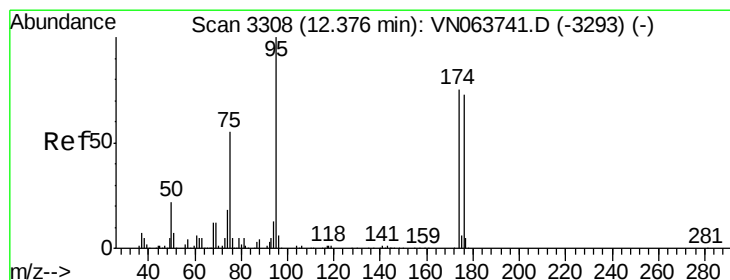
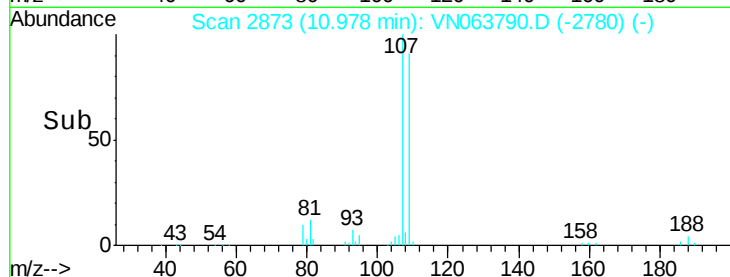
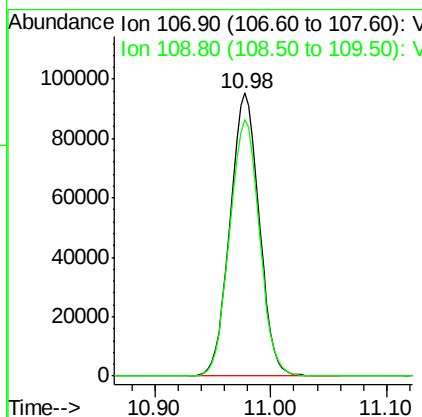
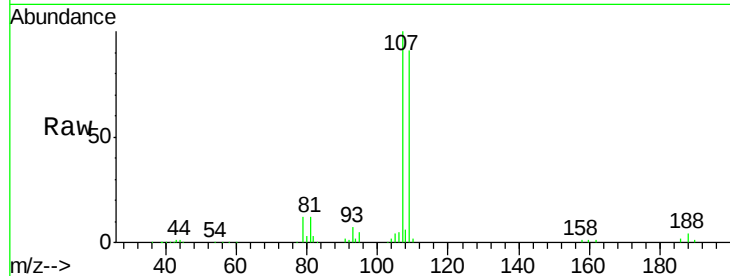
#61
 1,2-Dibromoethane
 Concen: 51.297 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN063790.D
 Acq: 1 Oct 2020 22:57

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	165172		
109	92.9	74.8	112.2	

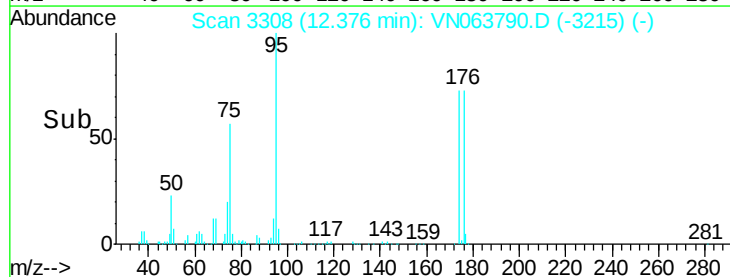
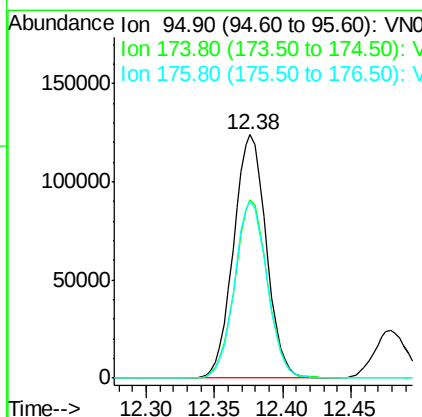
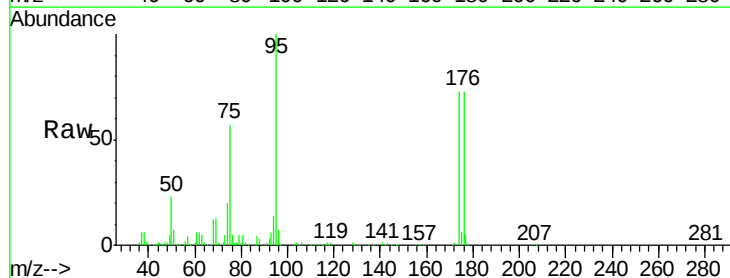
Manual Integrations
 APPROVED

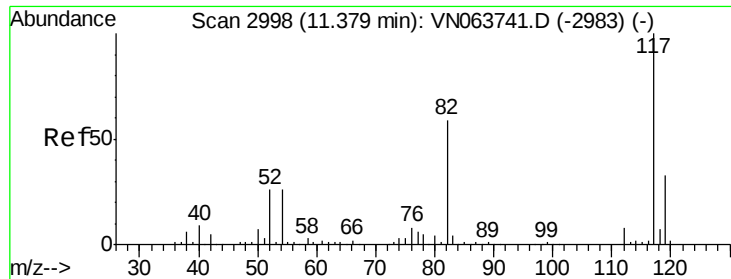
MMDadoda
 10/2/2020 3:11:59 PM



#62
 4-Bromofluorobenzene
 Concen: 47.626 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN063790.D
 Acq: 1 Oct 2020 22:57

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	206515		
174	73.1	0.0	150.6	
176	72.5	0.0	145.4	





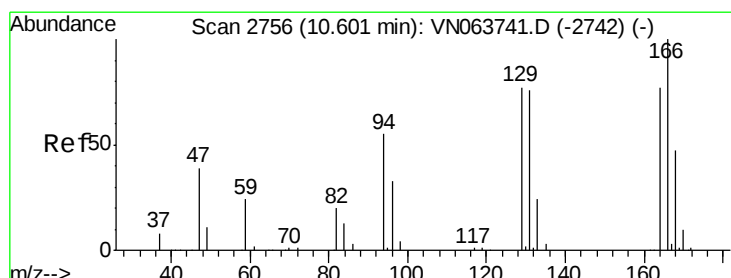
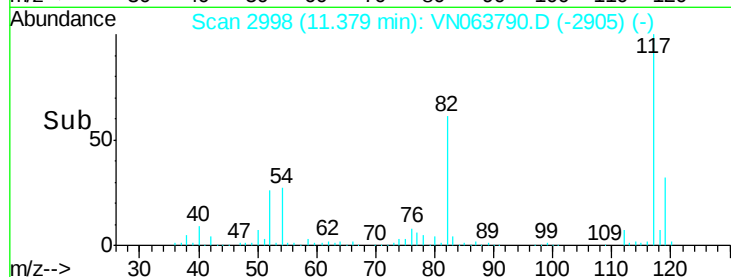
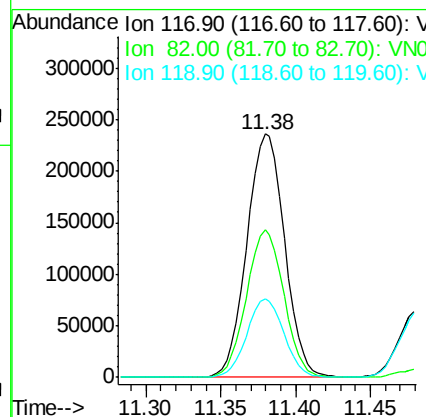
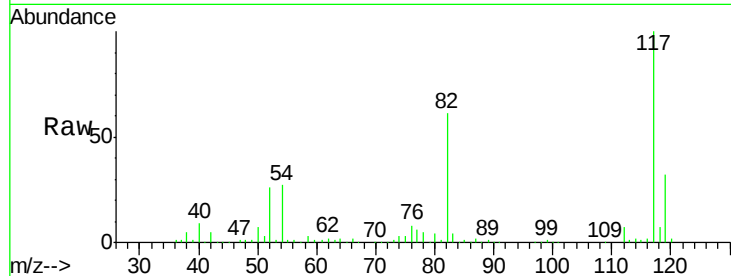
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063790.D
Acq: 1 Oct 2020 22:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.6	47.4	71.2
119	32.4	26.4	39.6

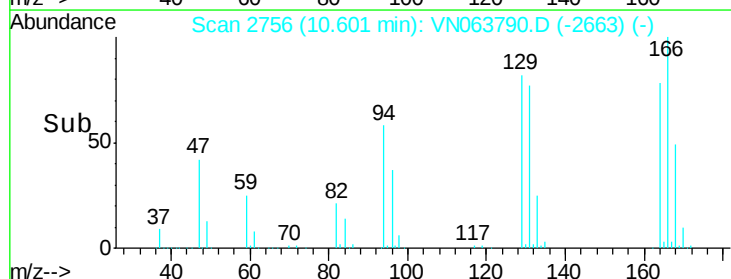
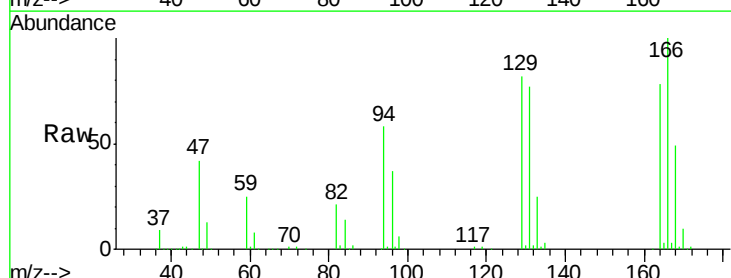
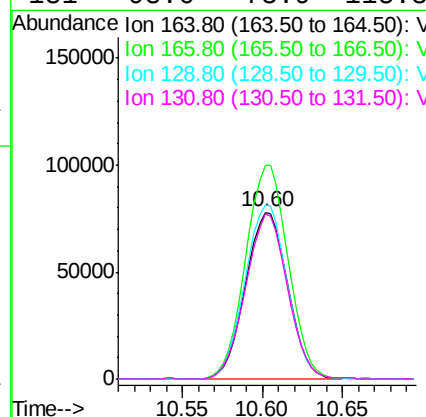
Manual Integrations
APPROVED

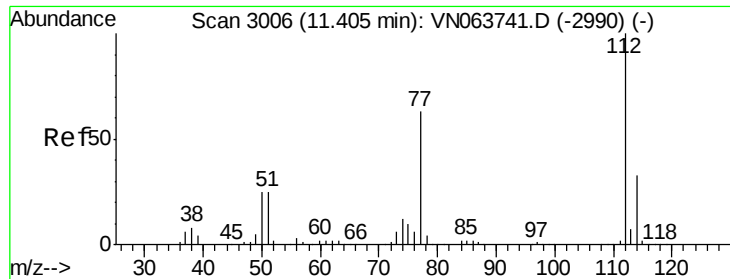
MMDadoda
10/2/2020 3:11:59 PM



#64
Tetrachloroethene
Concen: 43.859 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN063790.D
Acq: 1 Oct 2020 22:57

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.9	103.9	155.9
129	104.5	80.3	120.5
131	98.6	78.9	118.3





#65

Chlorobenzene

Concen: 48.695 ug/l

RT: 11.41 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VN063790.D

Acq: 1 Oct 2020 22:57

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:112 Resp: 414318

Ion Ratio Lower Upper

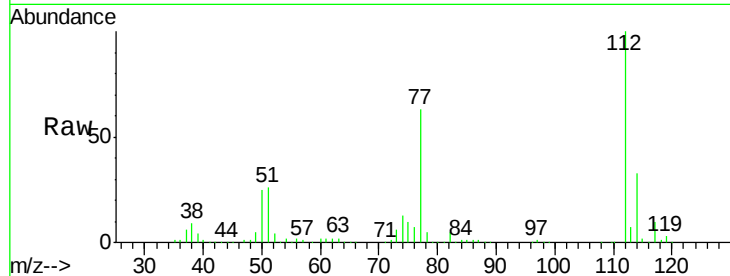
112 100

114 32.5 26.1 39.1

Manual Integrations
APPROVED

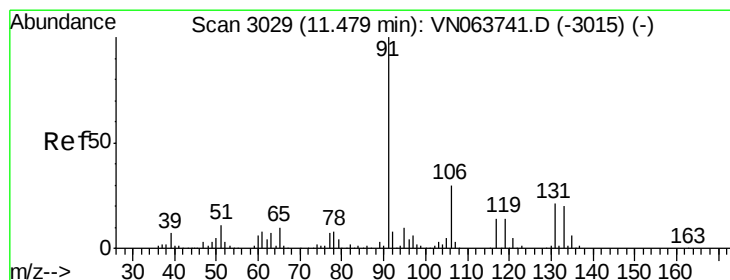
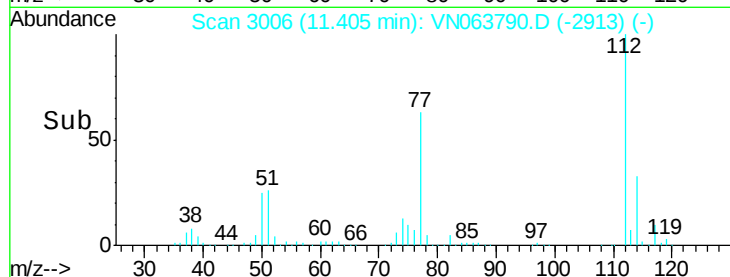
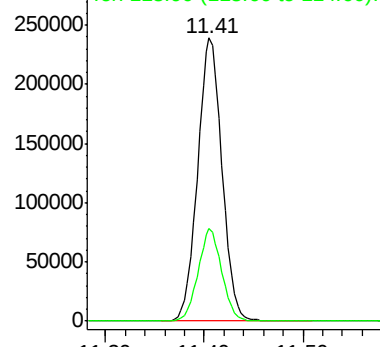
MMDadoda

10/2/2020 3:11:59 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 50.176 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. 0.00 min

Lab File: VN063790.D

Acq: 1 Oct 2020 22:57

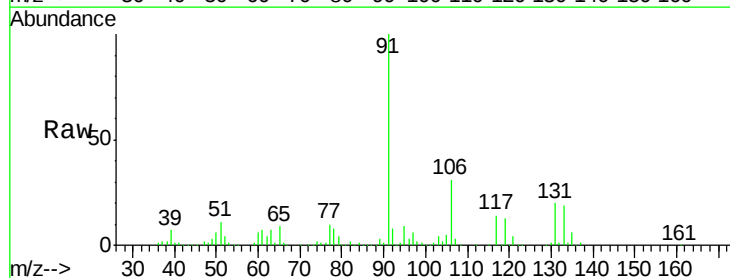
Tgt Ion:131 Resp: 163667

Ion Ratio Lower Upper

131 100

133 94.1 47.3 141.8

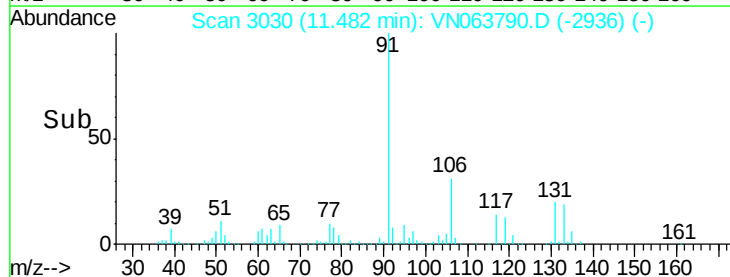
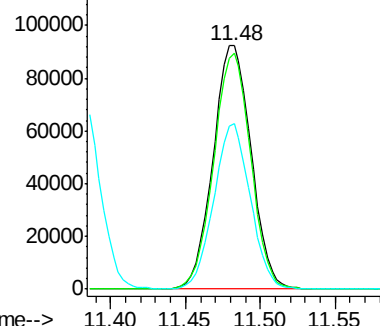
119 65.2 32.6 97.7

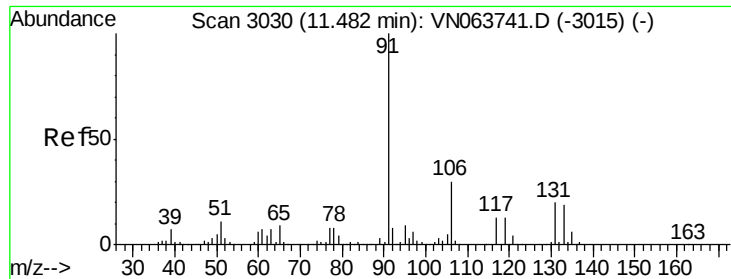


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





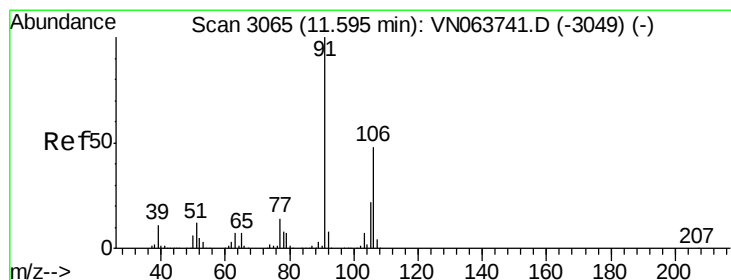
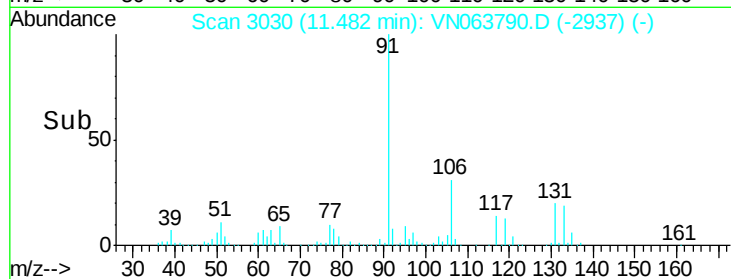
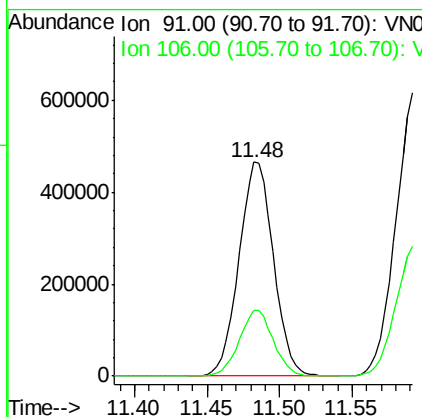
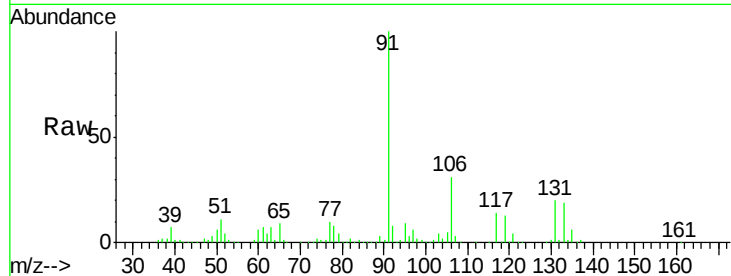
#67
Ethyl Benzene
Concen: 49.700 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN063790.D
Acq: 1 Oct 2020 22:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 769463
Ion Ratio Lower Upper
91 100
106 30.7 24.2 36.2

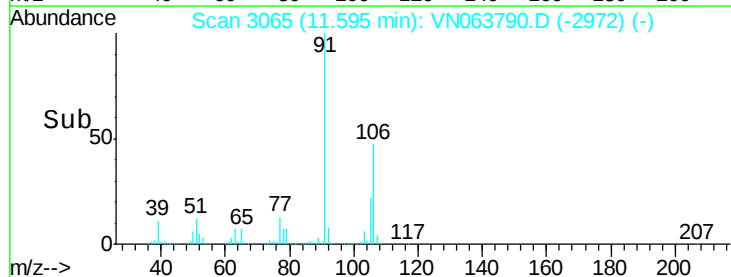
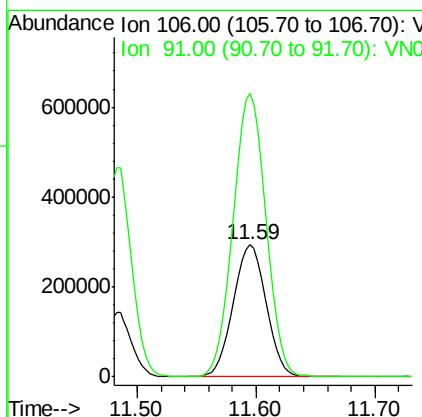
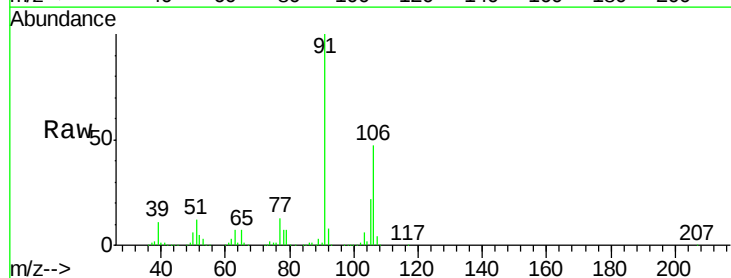
Manual Integrations
APPROVED

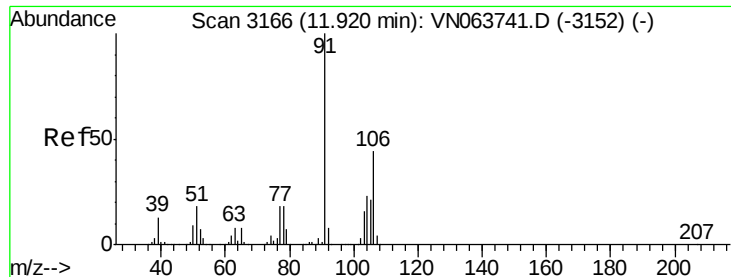
MMDadoda
10/2/2020 3:11:59 PM



#68
m/p-Xylenes
Concen: 97.696 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN063790.D
Acq: 1 Oct 2020 22:57

Tgt Ion: 106 Resp: 563726
Ion Ratio Lower Upper
106 100
91 213.4 168.0 252.0





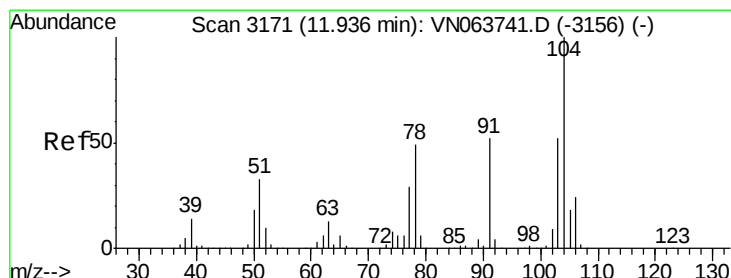
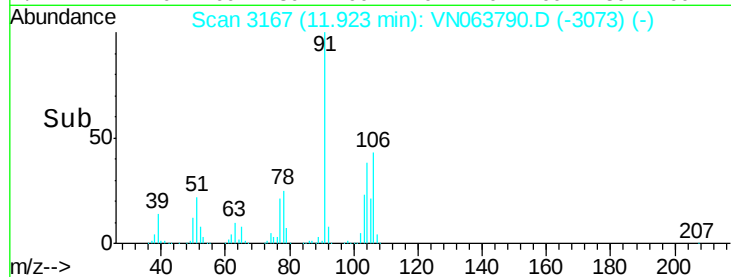
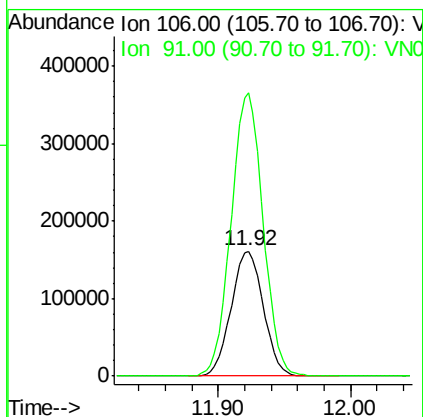
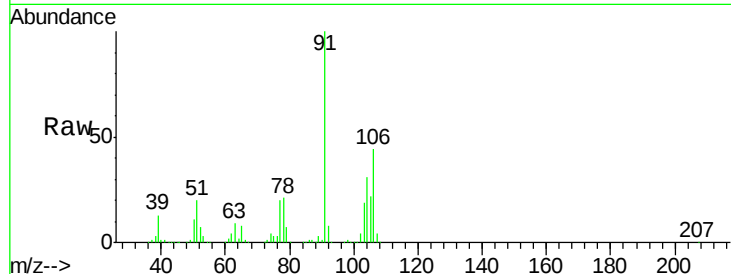
#69
o-Xylene
Concen: 50.507 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063790.D
Acq: 1 Oct 2020 22:57

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:106 Resp: 272393
Ion Ratio Lower Upper
106 100
91 224.9 112.7 338.0

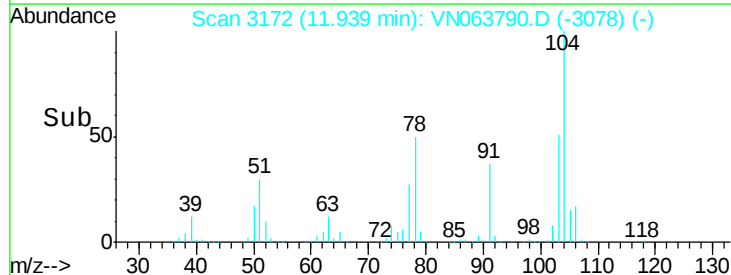
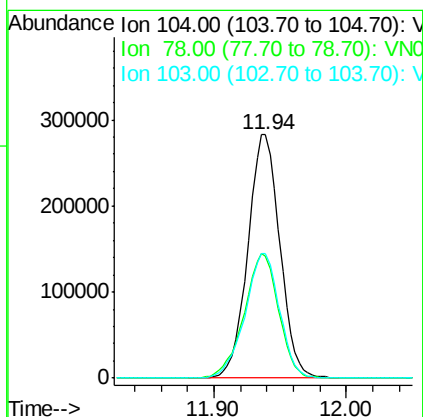
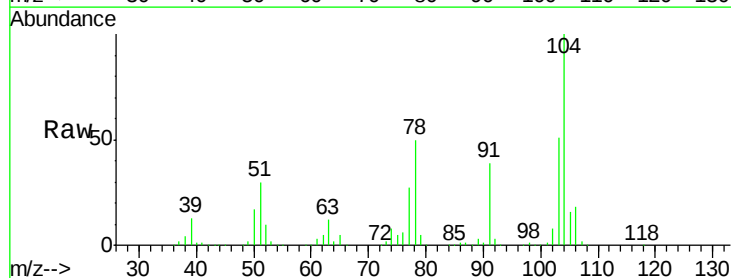
Manual Integrations
APPROVED

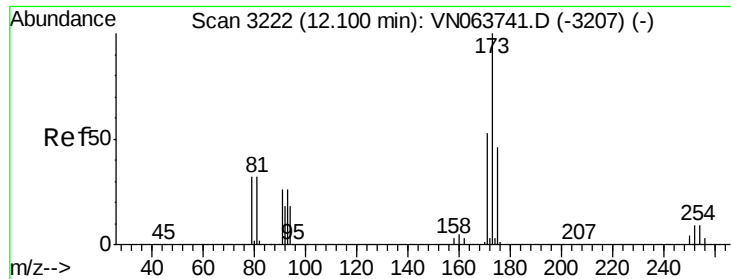
MMDadoda
10/2/2020 3:11:59 PM



#70
Styrene
Concen: 51.963 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN063790.D
Acq: 1 Oct 2020 22:57

Tgt Ion:104 Resp: 475713
Ion Ratio Lower Upper
104 100
78 55.2 44.1 66.1
103 55.2 44.3 66.5





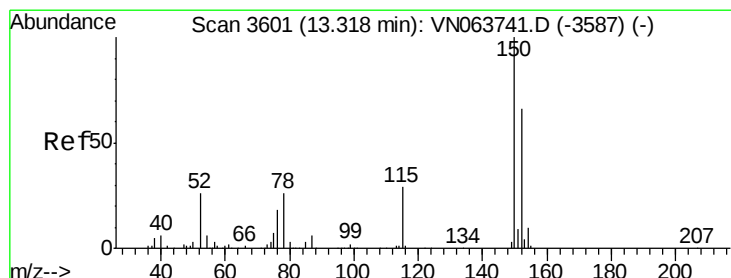
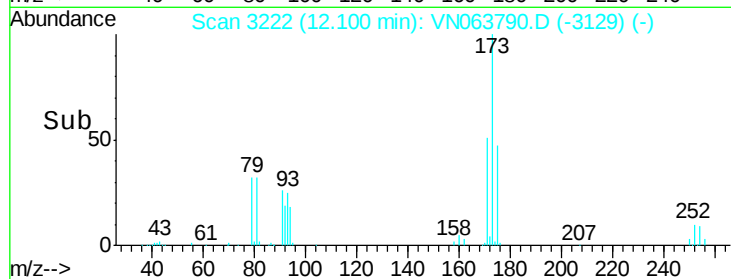
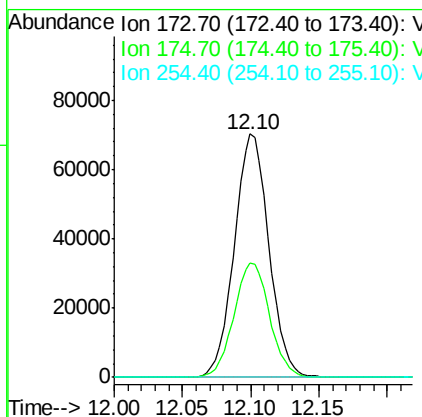
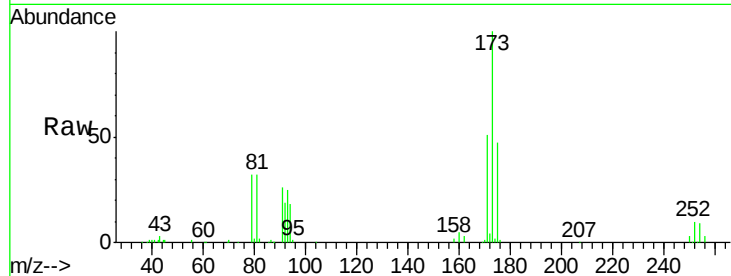
#71
Bromoform
Concen: 49.607 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN063790.D
Acq: 1 Oct 2020 22:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	23.5	70.5
254	0.0	0.0	0.0

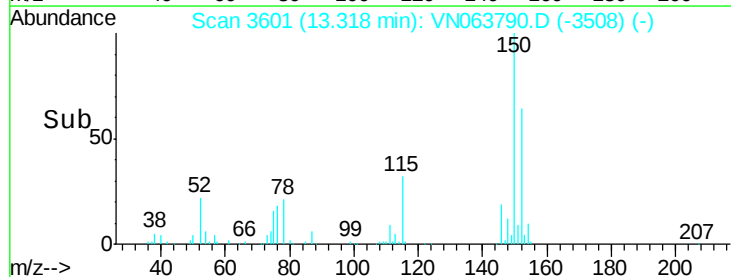
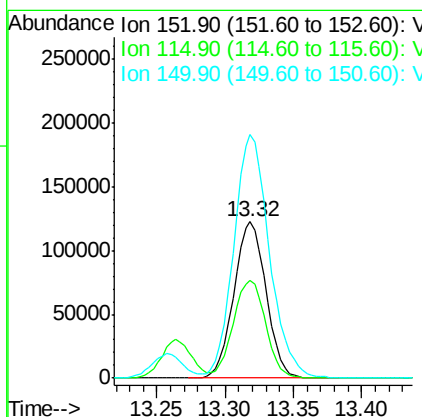
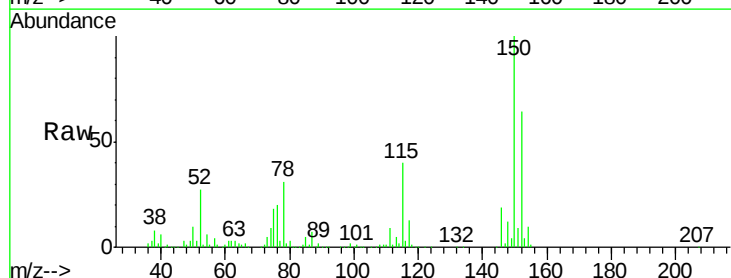
Manual Integrations
APPROVED

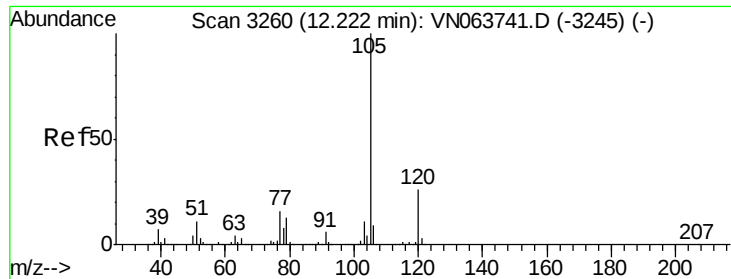
MMDadoda
10/2/2020 3:11:59 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN063790.D
Acq: 1 Oct 2020 22:57

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.6	31.3	93.8
150	172.7	0.0	341.8





#73

Isopropylbenzene

Concen: 49.970 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN063790.D

Acq: 1 Oct 2020 22:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 730360

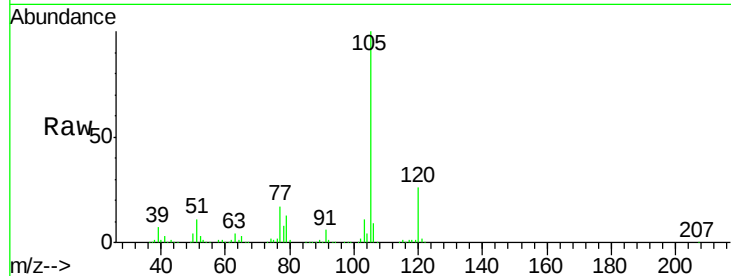
Ion Ratio Lower Upper

105 100

120 25.1 12.6 37.8

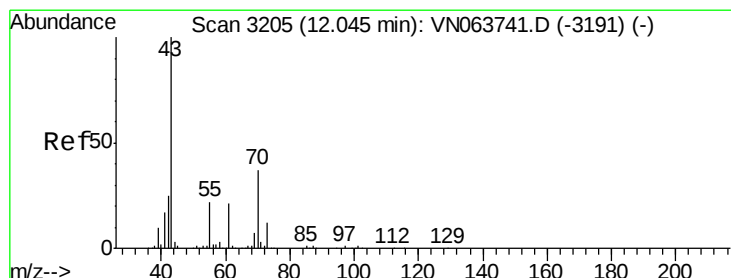
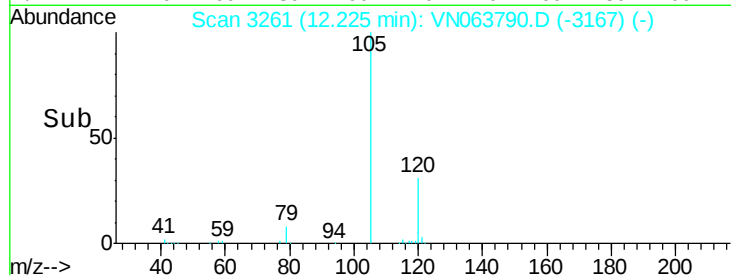
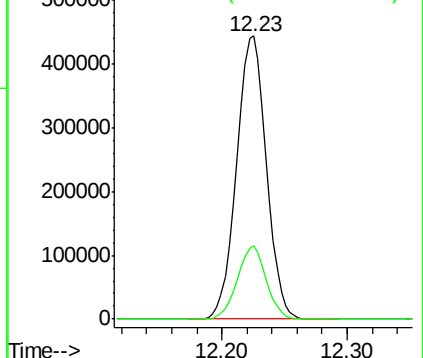
Manual Integrations
APPROVED

MMDadoda
10/2/2020 3:11:59 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.256 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN063790.D

Acq: 1 Oct 2020 22:57

Tgt Ion: 43 Resp: 341483

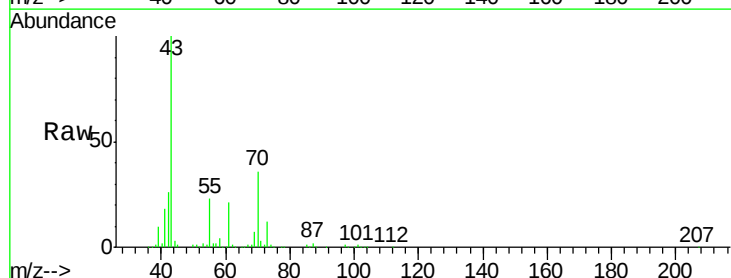
Ion Ratio Lower Upper

43 100

70 36.5 29.8 44.8

55 22.9 17.9 26.9

61 21.1 17.0 25.4

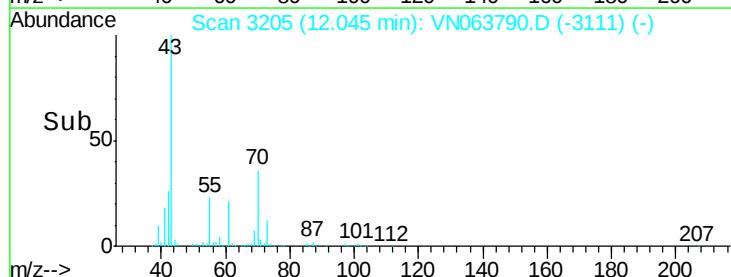
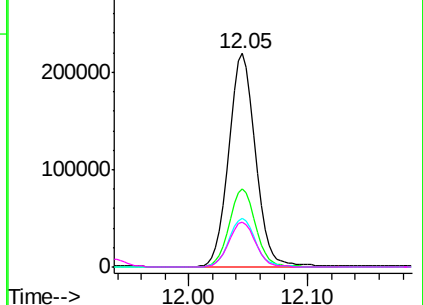


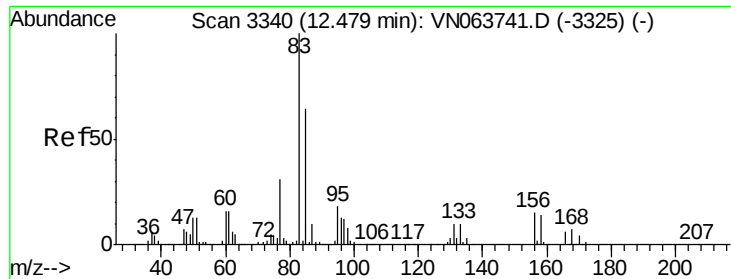
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 50.904 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN063790.D

Acq: 1 Oct 2020 22:57

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 83 Resp: 227510
Ion Ratio Lower Upper

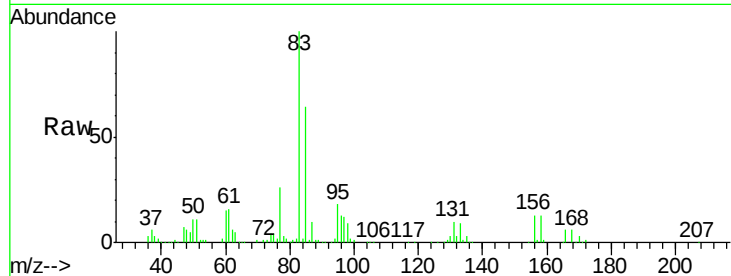
83 100

131 10.2 5.3 15.8

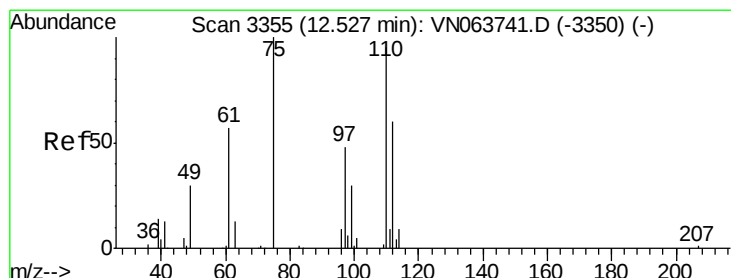
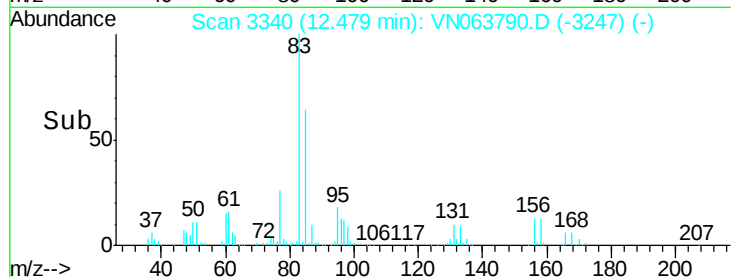
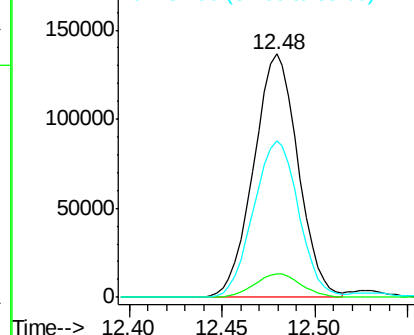
85 65.3 31.3 93.8

Manual Integrations
APPROVED

MMDadoda
10/2/2020 3:11:59 PM



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 52.514 ug/l m

RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

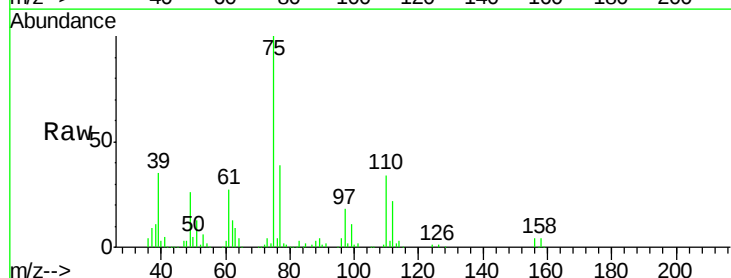
Lab File: VN063790.D

Acq: 1 Oct 2020 22:57

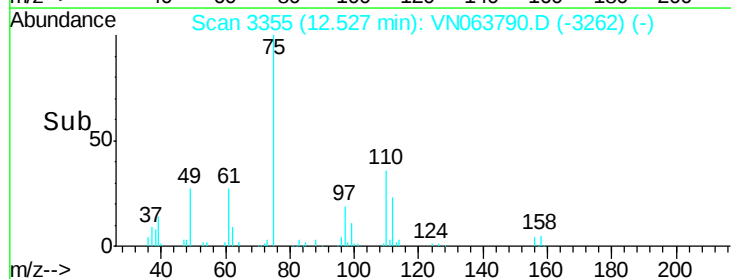
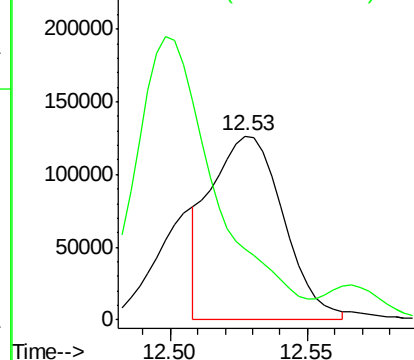
Tgt Ion: 75 Resp: 231966
Ion Ratio Lower Upper

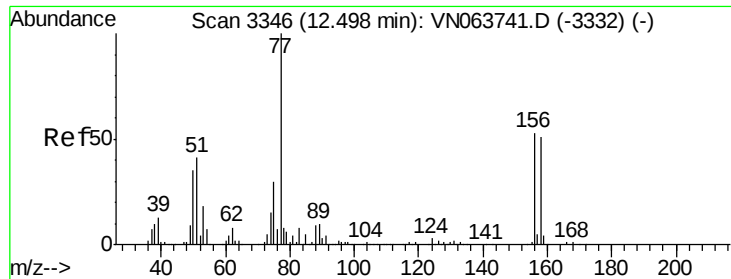
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 50.424 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN063790.D

Acq: 1 Oct 2020 22:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 180838

Ion Ratio Lower Upper

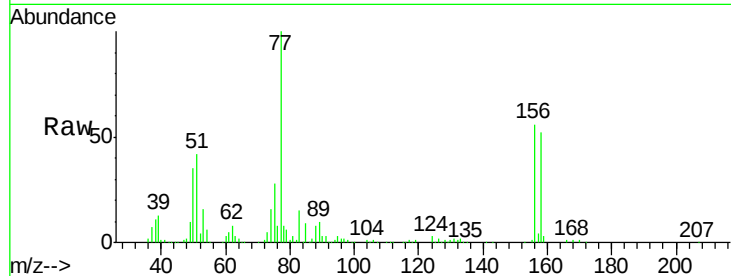
156 100

77 220.1 110.9 332.7

158 96.4 47.7 143.1

Manual Integrations
APPROVED

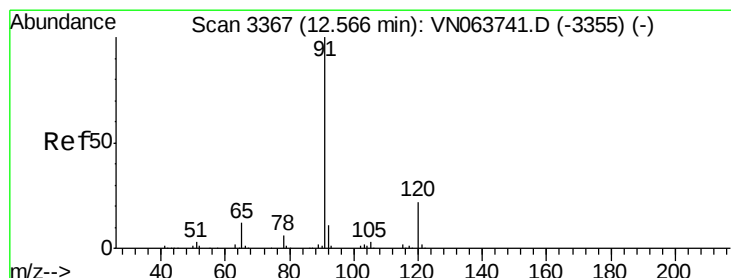
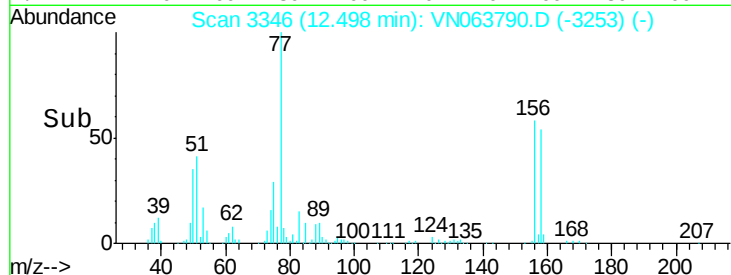
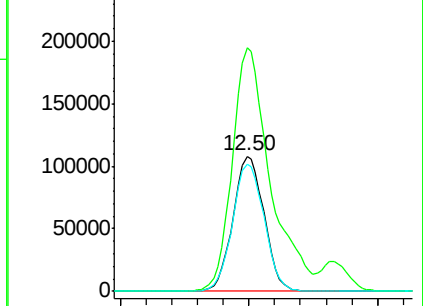
MMDadoda
10/2/2020 3:11:59 PM



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: 48.950 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN063790.D

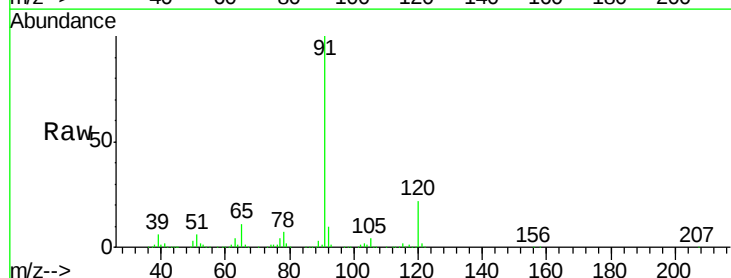
Acq: 1 Oct 2020 22:57

Tgt Ion: 91 Resp: 832634

Ion Ratio Lower Upper

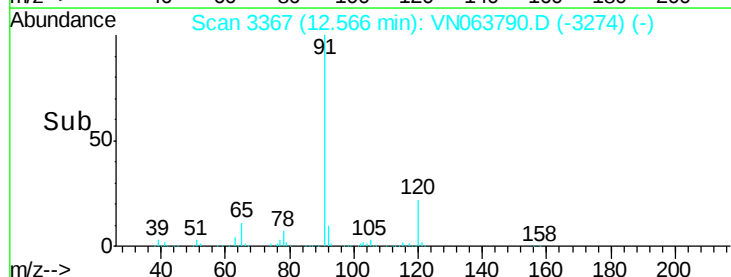
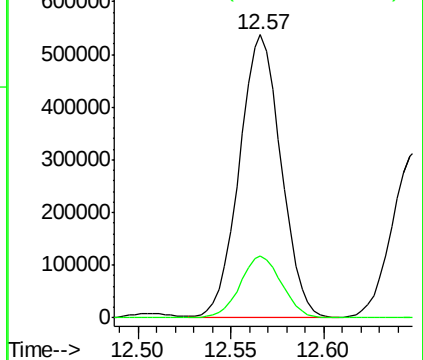
91 100

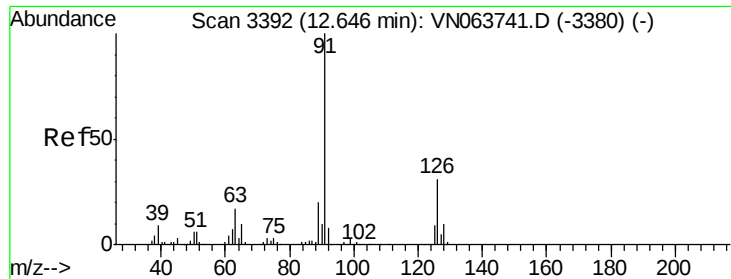
120 22.0 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.595 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN063790.D

Acq: 1 Oct 2020 22:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 518834

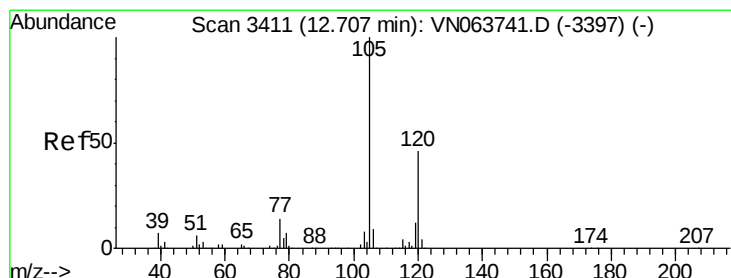
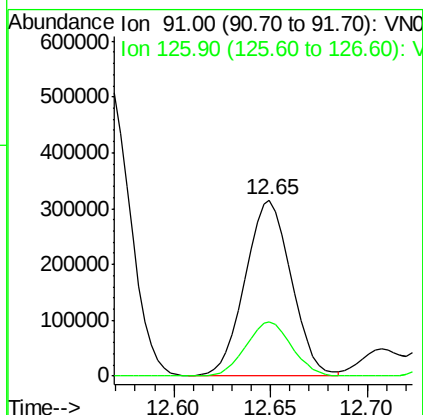
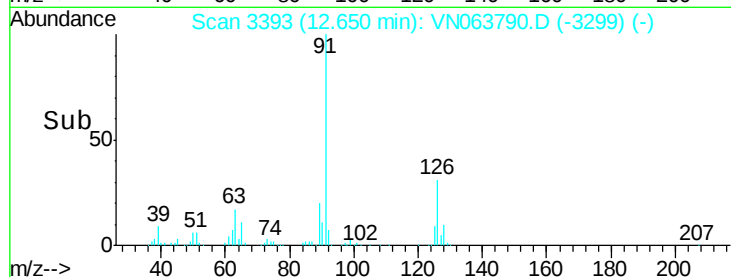
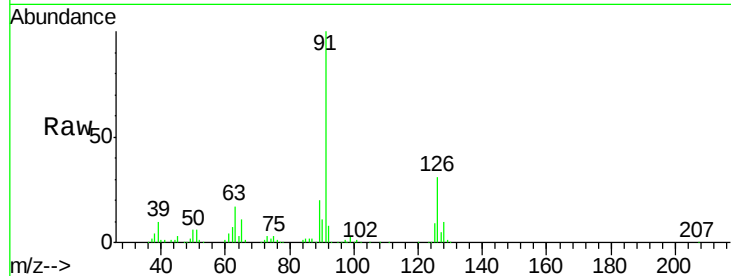
Ion Ratio Lower Upper

91 100

126 31.0 15.9 47.7

Manual Integrations
APPROVED

MMDadoda
10/2/2020 3:11:59 PM



#80

1,3,5-Trimethylbenzene

Concen: 50.301 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN063790.D

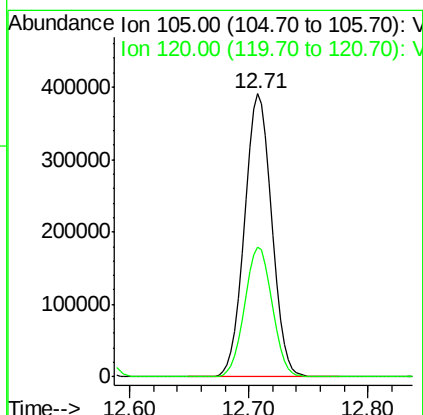
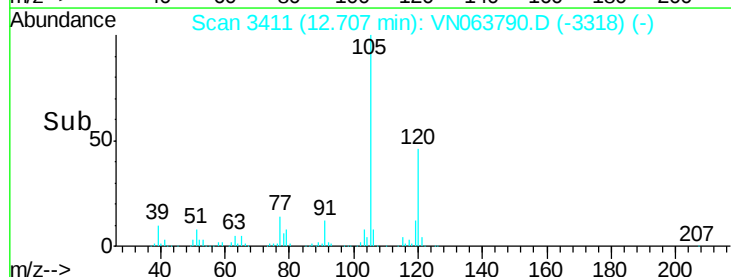
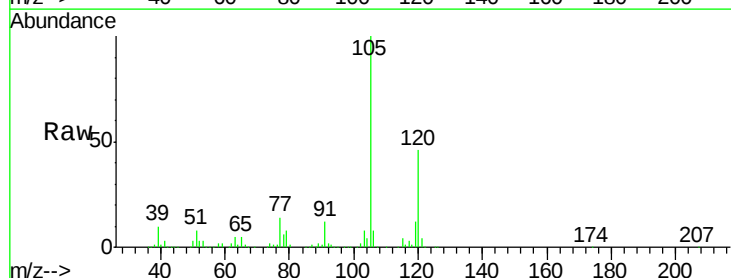
Acq: 1 Oct 2020 22:57

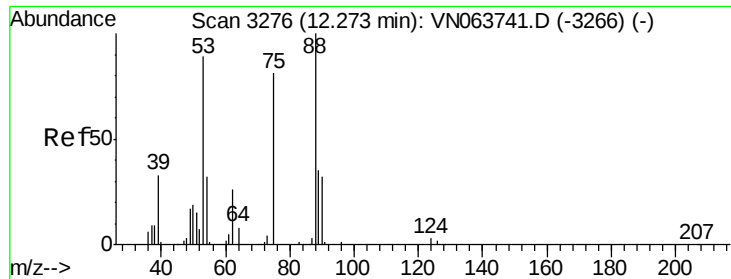
Tgt Ion: 105 Resp: 616789

Ion Ratio Lower Upper

105 100

120 46.4 23.3 69.9





#81

trans-1,4-Dichloro-2-butene

Concen: 48.081 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN063790.D

Acq: 1 Oct 2020 22:57

Instrument :

MSVOA_N

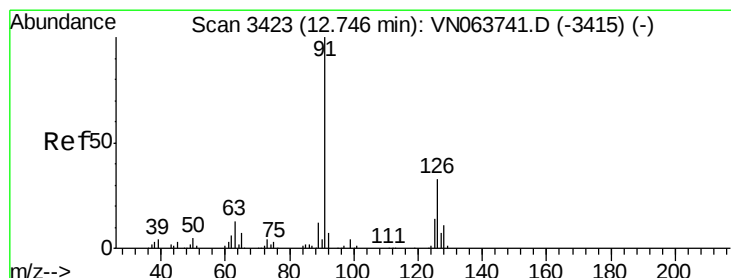
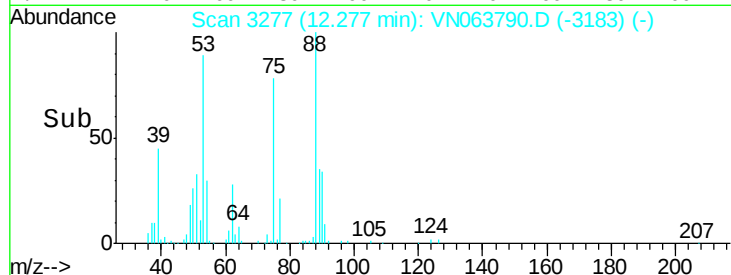
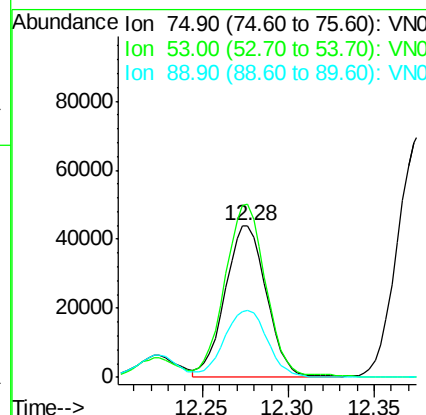
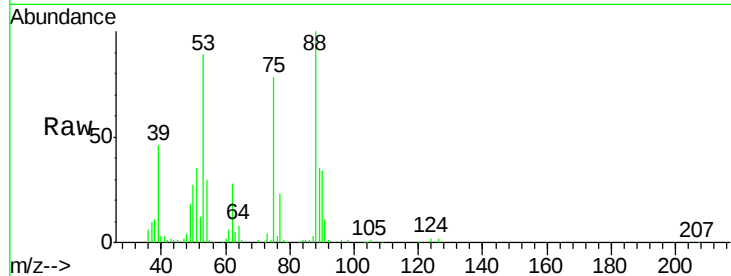
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	73741
Ion Ratio	Lower	Upper	
75	100		
53	109.5	88.2	132.2
89	45.7	36.0	54.0

Manual Integrations
APPROVED

MMDadoda
10/2/2020 3:11:59 PM



#82

4-Chlorotoluene

Concen: 49.712 ug/l

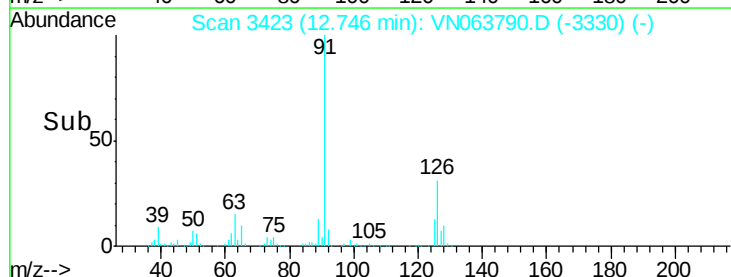
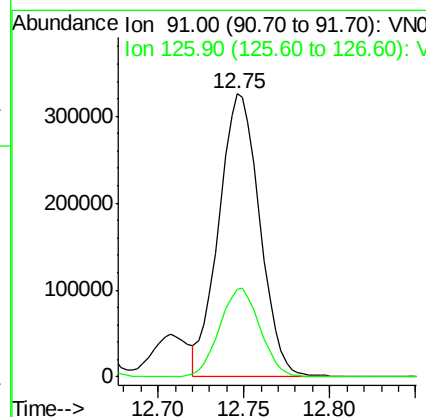
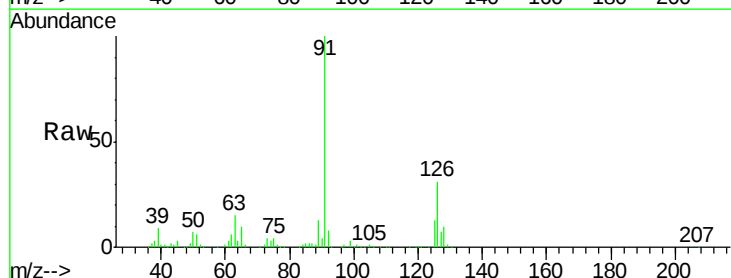
RT: 12.75 min Scan# 3423

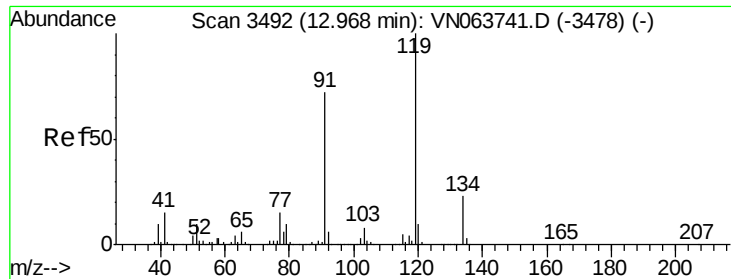
Delta R.T. 0.00 min

Lab File: VN063790.D

Acq: 1 Oct 2020 22:57

Tgt Ion:	91	Resp:	539876
Ion Ratio	Lower	Upper	
91	100		
126	31.0	15.4	46.2





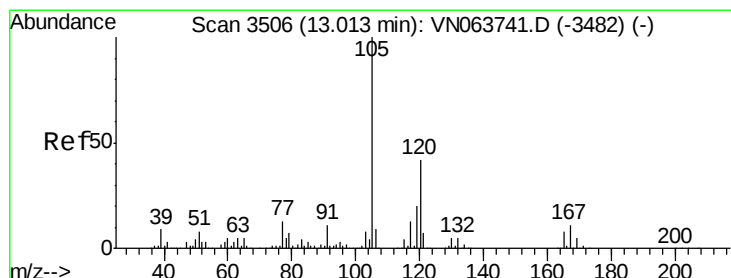
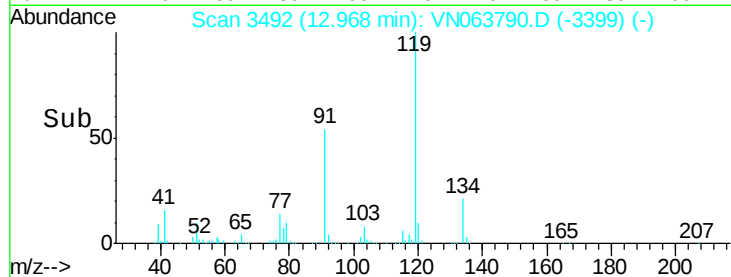
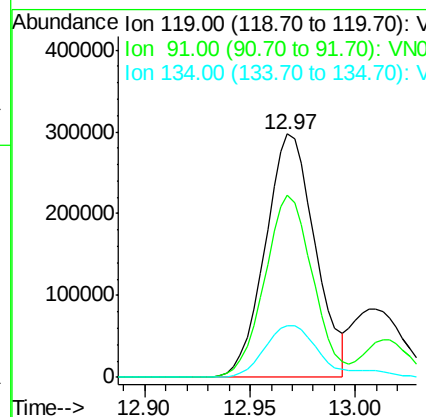
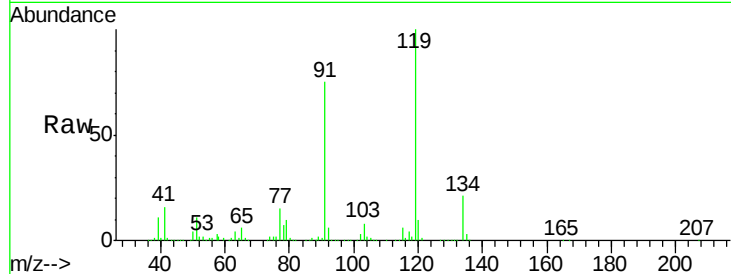
#83
tert-Butylbenzene
Concen: 48.844 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN063790.D
Acq: 1 Oct 2020 22:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	489904		
91	72.0		35.5	106.5
134	24.5		11.7	35.1

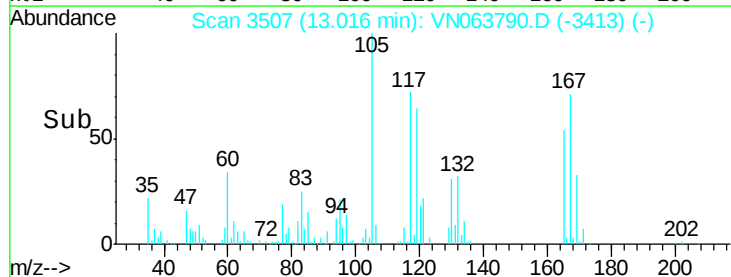
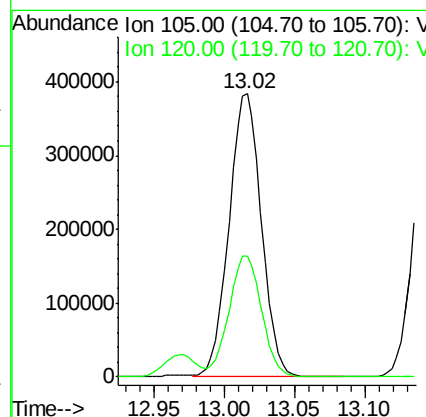
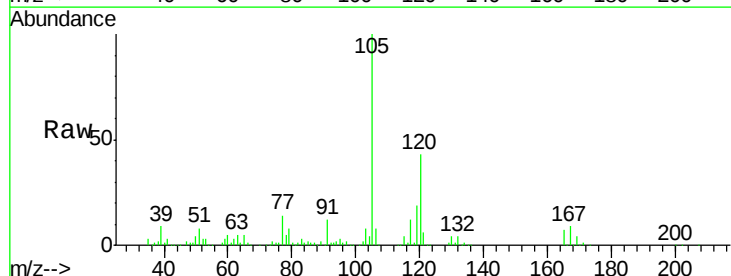
Manual Integrations
APPROVED

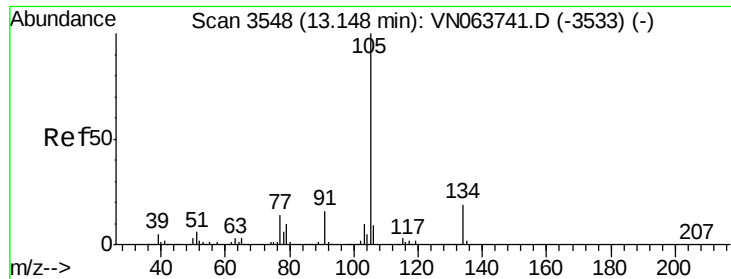
MMDadoda
10/2/2020 3:11:59 PM



#84
1,2,4-Trimethylbenzene
Concen: 50.025 ug/l
RT: 13.02 min Scan# 3507
Delta R.T. 0.00 min
Lab File: VN063790.D
Acq: 1 Oct 2020 22:57

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	612423		
120	43.1		20.9	62.7





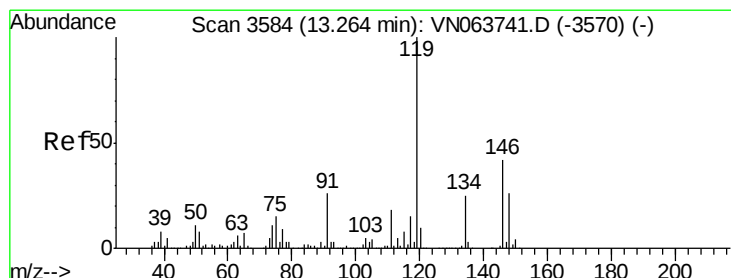
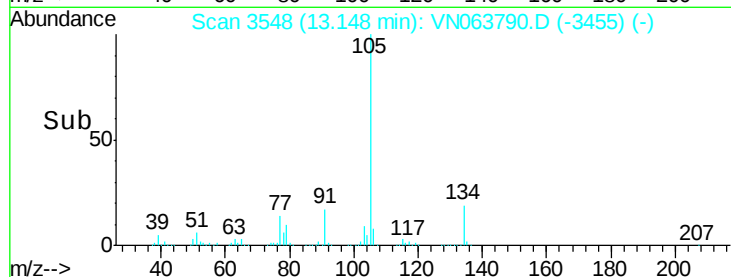
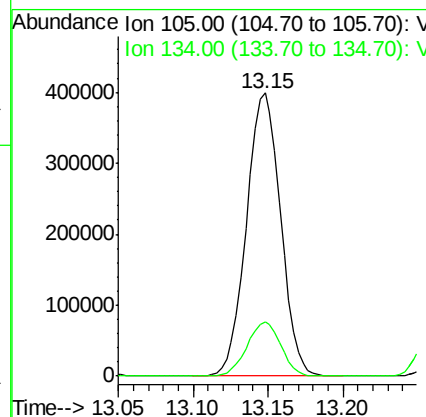
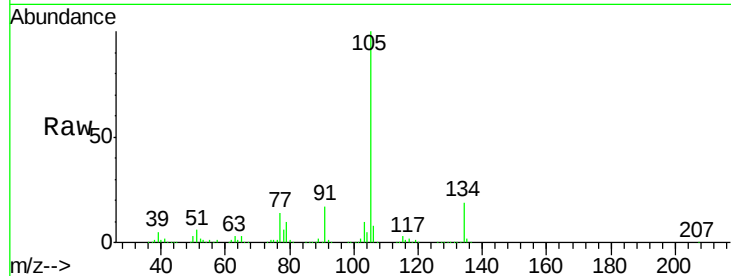
#85
 sec-Butylbenzene
 Concen: 47.995 ug/l
 RT: 13.15 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN063790.D
 Acq: 1 Oct 2020 22:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.5	28.5

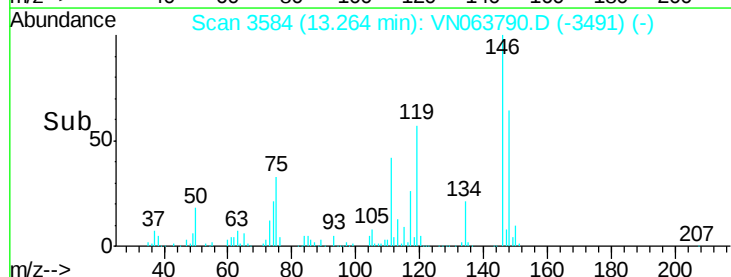
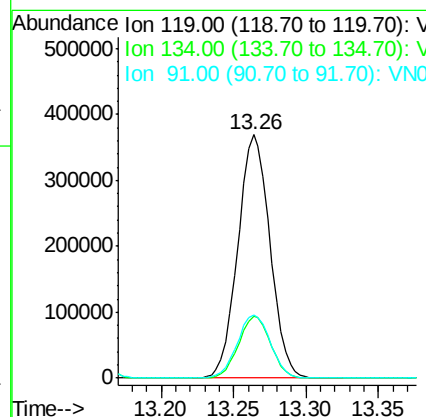
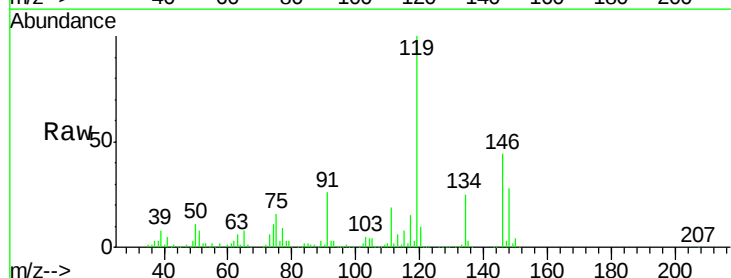
Manual Integrations
 APPROVED

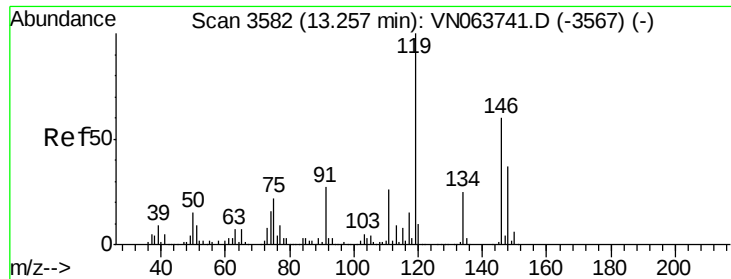
MMDadoda
 10/2/2020 3:11:59 PM



#86
 p-Isopropyltoluene
 Concen: 48.505 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN063790.D
 Acq: 1 Oct 2020 22:57

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.3	12.6	37.8
91	26.7	13.4	40.2





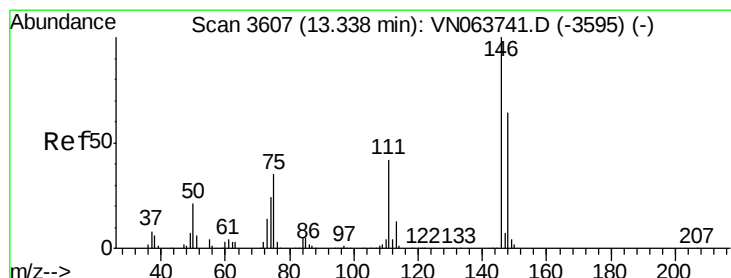
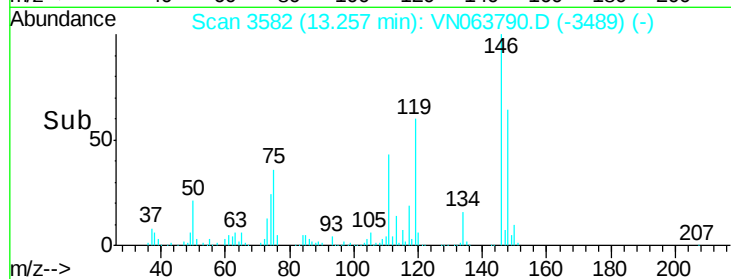
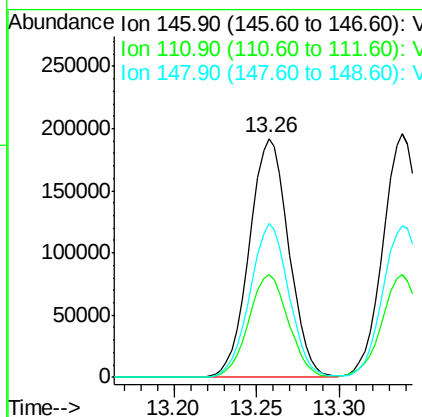
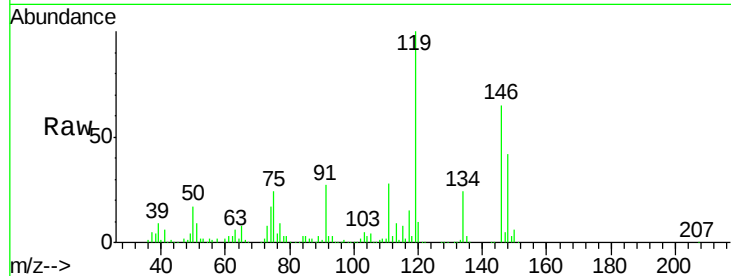
#87
 1,3-Dichlorobenzene
 Concen: 48.962 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN063790.D
 Acq: 1 Oct 2020 22:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	317678		
111	43.3	21.5	64.5	
148	63.6	31.1	93.3	

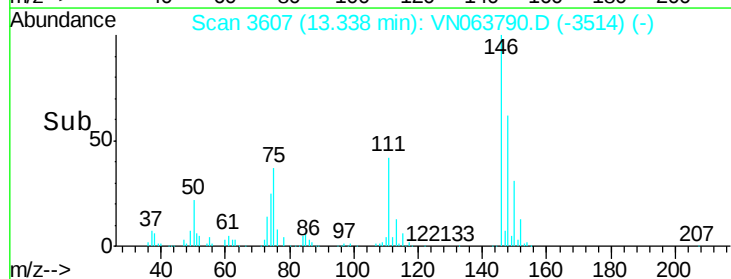
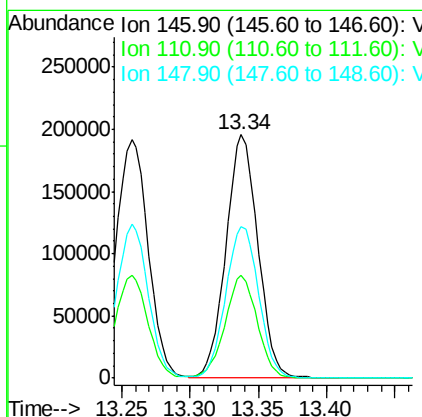
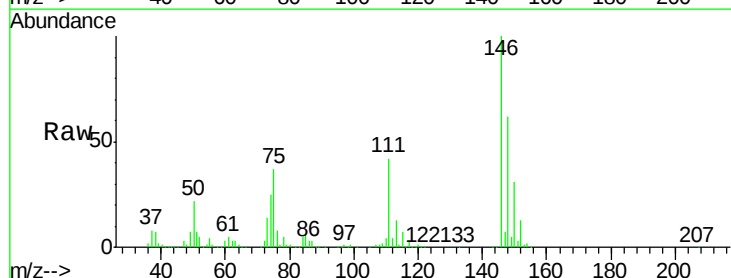
Manual Integrations
 APPROVED

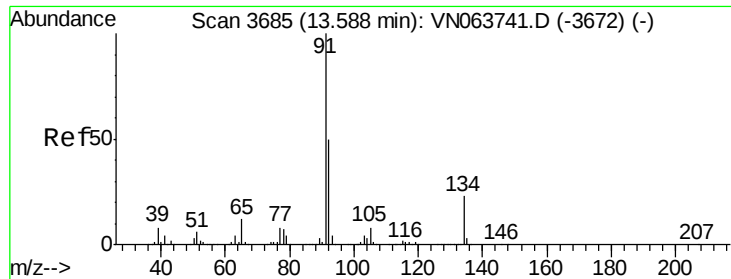
MMDadoda
 10/2/2020 3:11:59 PM



#88
 1,4-Dichlorobenzene
 Concen: 47.042 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN063790.D
 Acq: 1 Oct 2020 22:57

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	317796		
111	42.1	21.3	63.7	
148	63.8	32.0	96.0	





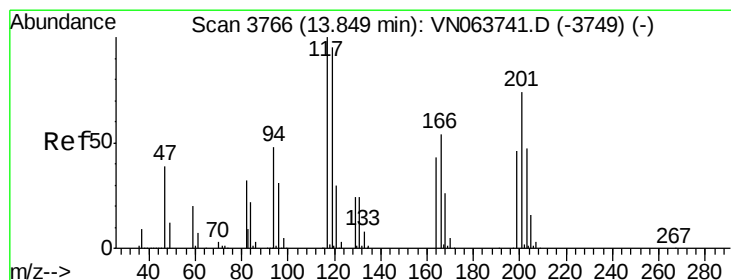
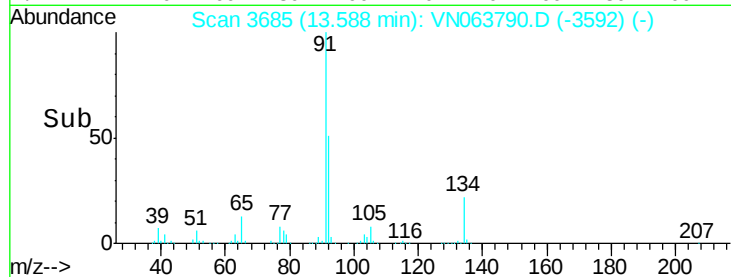
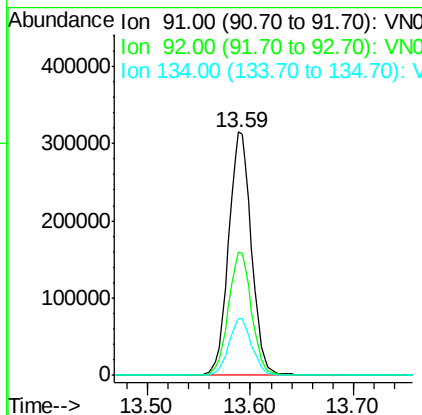
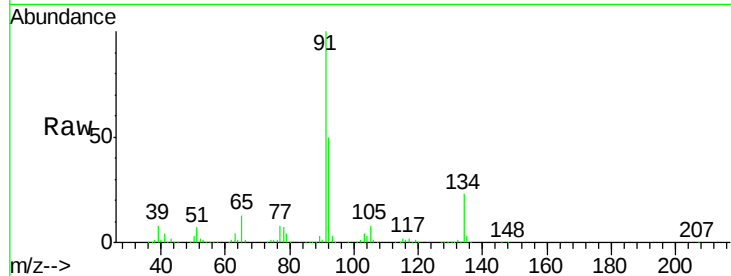
#89
n-Butylbenzene
Concen: 45.069 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN063790.D
Acq: 1 Oct 2020 22:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.2	25.4	76.4
134	23.3	11.7	35.1

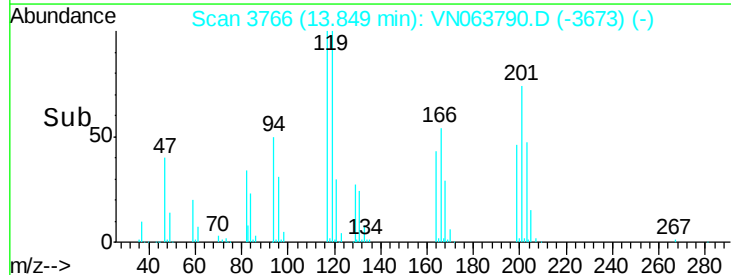
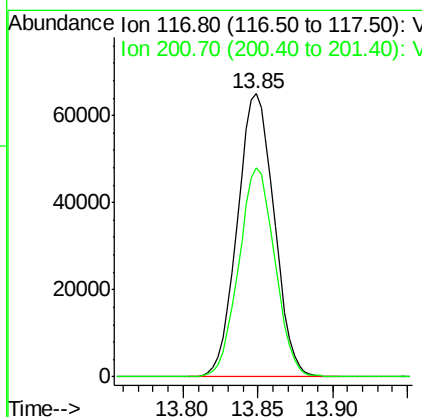
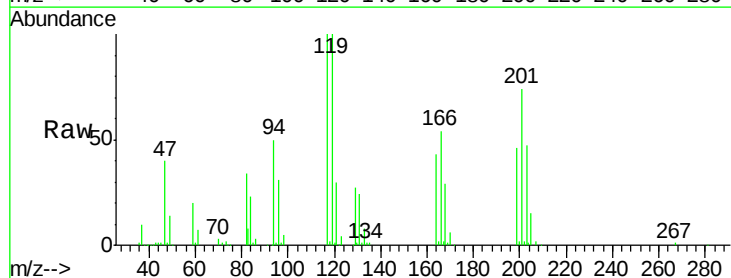
Manual Integrations
APPROVED

MMDadoda
10/2/2020 3:11:59 PM



#90
Hexachloroethane
Concen: 49.275 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN063790.D
Acq: 1 Oct 2020 22:57

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.5	36.0	108.0





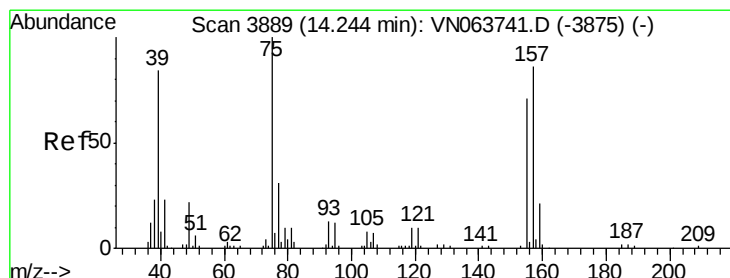
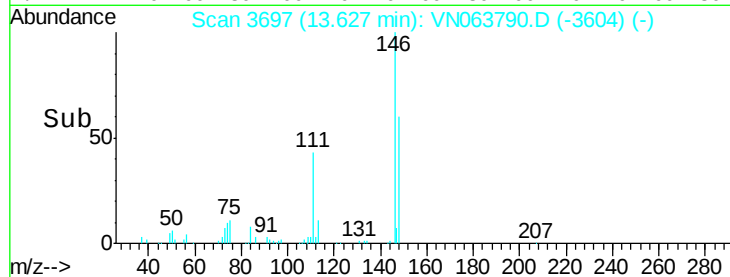
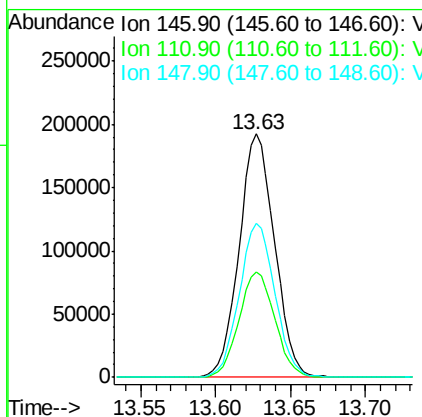
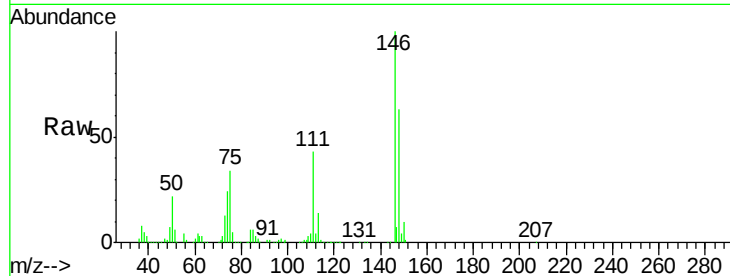
#91
 1,2-Dichlorobenzene
 Concen: 49.411 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN063790.D
 Acq: 1 Oct 2020 22:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.9	22.2	66.6
148	63.8	32.5	97.4

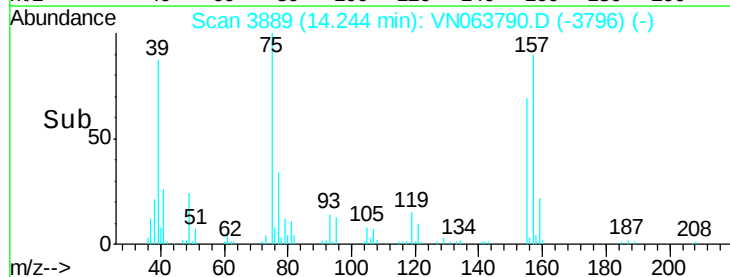
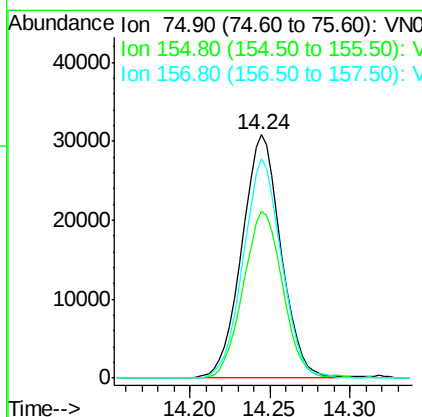
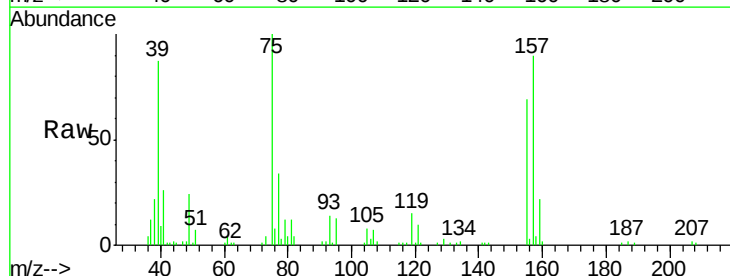
Manual Integrations
 APPROVED

MMDadoda
 10/2/2020 3:11:59 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.080 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN063790.D
 Acq: 1 Oct 2020 22:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	68.9	34.8	104.5
157	88.2	43.7	131.1





#93

1,2,4-Trichlorobenzene

Concen: 42.855 ug/l

RT: 14.88 min Scan# 4088

Delta R.T. 0.00 min

Lab File: VN063790.D

Acq: 1 Oct 2020 22:57

Instrument :

MSVOA_N

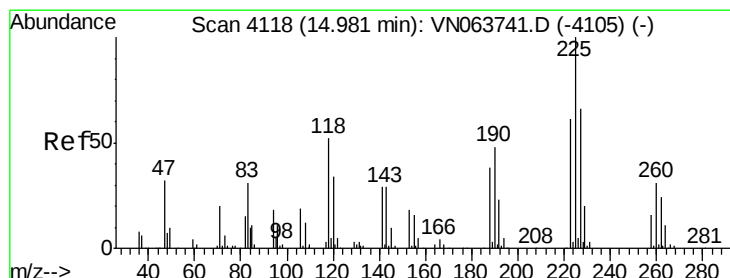
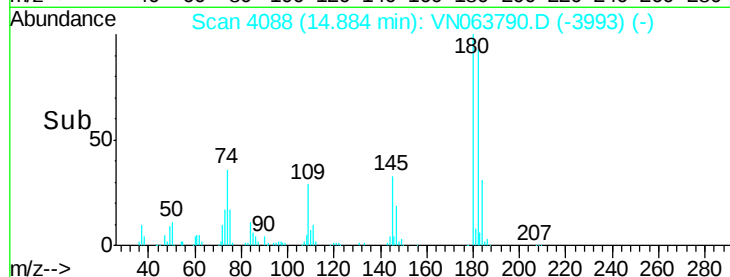
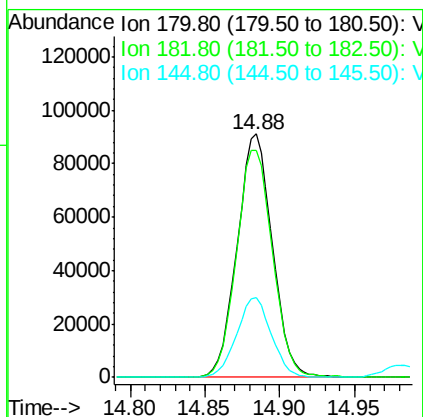
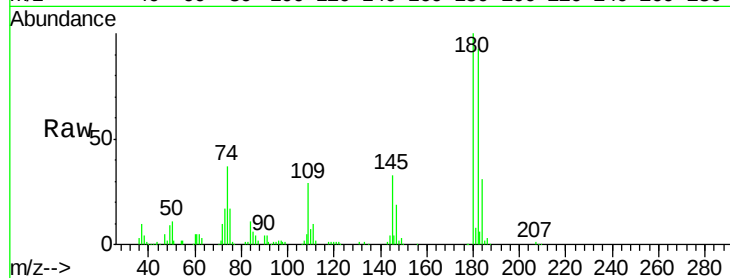
ClientSampleId :

VSTDCCC050

Tot Ion:	180	Resp:	148855
Ion Ratio	Lower	Upper	
180	100		
182	95.9	48.2	144.6
145	32.5	17.1	51.2

Manual Integrations
APPROVED

MMDadoda
10/2/2020 3:11:59 PM



#94

Hexachlorobutadiene

Concen: 45.523 ug/l

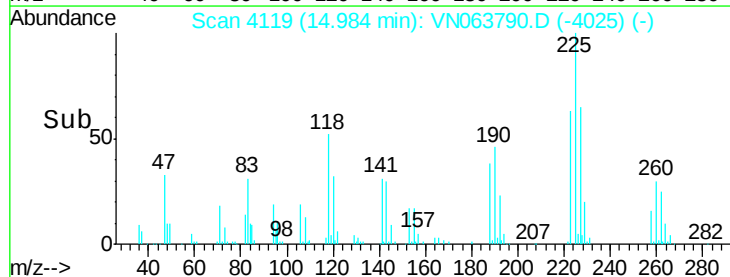
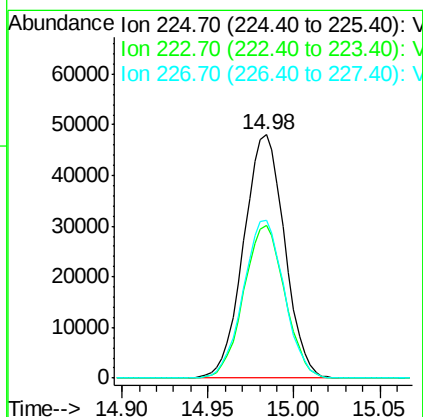
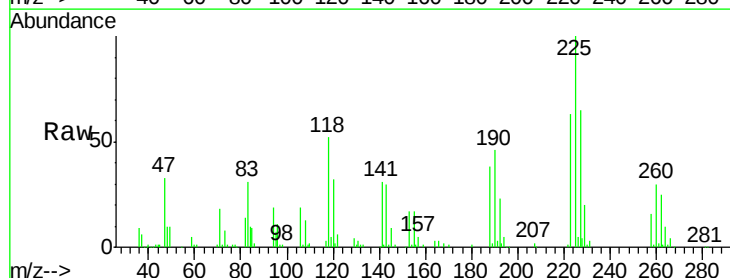
RT: 14.98 min Scan# 4119

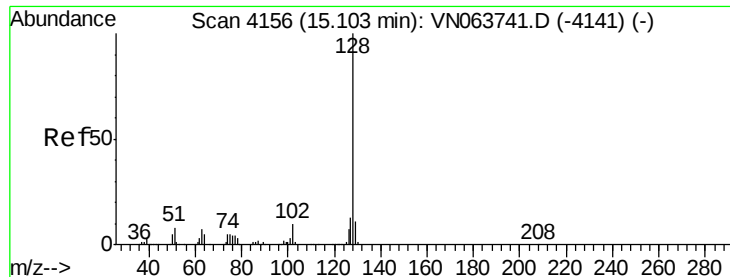
Delta R.T. 0.00 min

Lab File: VN063790.D

Acq: 1 Oct 2020 22:57

Tgt Ion:	225	Resp:	79311
Ion Ratio	Lower	Upper	
225	100		
223	62.8	30.3	91.0
227	64.8	31.9	95.5





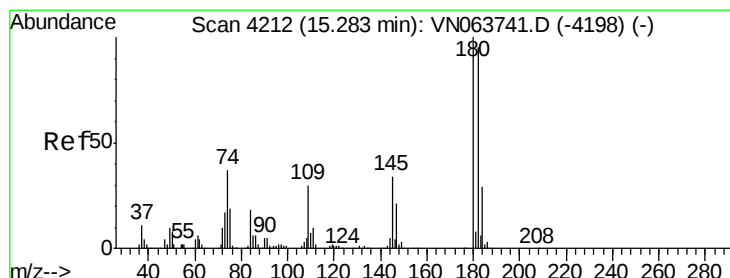
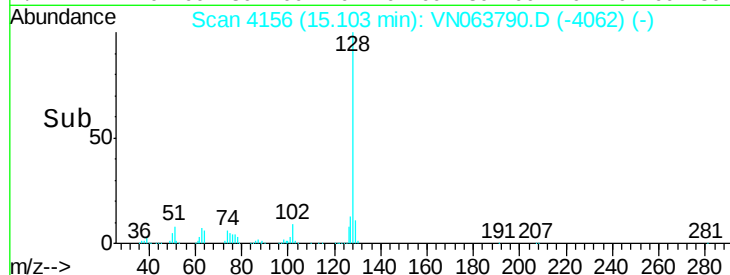
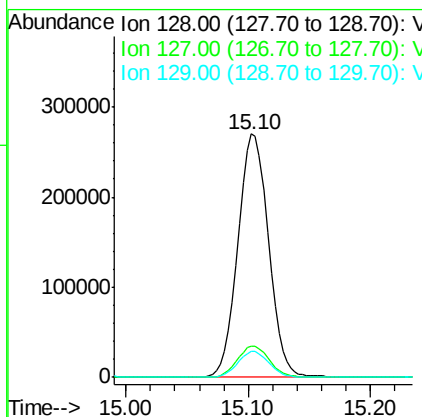
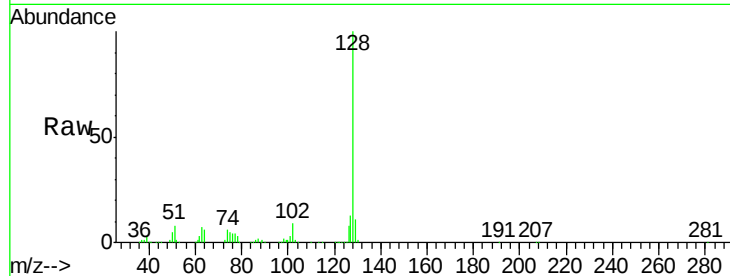
#95
Naphthalene
Concen: 43.637 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN063790.D
Acq: 1 Oct 2020 22:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.5	15.7
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/2/2020 3:11:59 PM



#96
1,2,3-Trichlorobenzene
Concen: 43.142 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN063790.D
Acq: 1 Oct 2020 22:57

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	47.9	143.6
145	34.1	17.2	51.5

