

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111920\
 Data File : VN064750.D
 Acq On : 19 Nov 2020 22:02
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/24/2020 3:11:30 PM

Quant Time: Nov 20 05:38:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 18 15:29:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	363230	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	618642	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	568767	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	245505	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	271248	42.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.90%	
35) Dibromofluoromethane	7.55	113	186096	52.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.70%	
50) Toluene-d8	10.06	98	779318	48.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.40%	
62) 4-Bromofluorobenzene	12.37	95	276565	46.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	195129	42.993	ug/l	98
3) Chloromethane	2.04	50	255106	50.831	ug/l	97
4) Vinyl Chloride	2.17	62	264839	50.574	ug/l	100
5) Bromomethane	2.53	94	158628	41.309	ug/l	97
6) Chloroethane	2.68	64	162740	46.060	ug/l	95
7) Trichlorofluoromethane	2.99	101	363756	38.784	ug/l	98
8) Diethyl Ether	3.38	74	135501	44.775	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.71	101	203177	50.128	ug/l	96
10) Methyl Iodide	3.91	142	225871	46.619	ug/l	95
11) Tert butyl alcohol	4.74	59	159385	257.108	ug/l #	85
12) 1,1-Dichloroethene	3.69	96	198392	50.803	ug/l	93
13) Acrolein	3.57	56	57702	397.571	ug/l	96
14) Allyl chloride	4.27	41	356238	53.128	ug/l	88
15) Acrylonitrile	4.93	53	528149	290.147	ug/l	99
16) Acetone	3.78	43	459726	296.404	ug/l	92
17) Carbon Disulfide	4.01	76	573864	50.530	ug/l	99
18) Methyl Acetate	4.28	43	251924	53.626	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	662428	50.695	ug/l	99
20) Methylene Chloride	4.50	84	235213	49.710	ug/l	96
21) trans-1,2-Dichloroethene	4.99	96	215581	49.475	ug/l	99
22) Diisopropyl ether	5.91	45	768670	54.283	ug/l	93
23) Vinyl Acetate	5.85	43	3082651	269.745	ug/l	100
24) 1,1-Dichloroethane	5.80	63	423284	51.020	ug/l	99
25) 2-Butanone	6.79	43	698204	285.802	ug/l	99
26) 2,2-Dichloropropane	6.78	77	323752	41.067	ug/l	96
27) cis-1,2-Dichloroethene	6.78	96	246917	51.398	ug/l	95
28) Bromochloromethane	7.15	49	205179	49.050	ug/l	100
29) Tetrahydrofuran	7.17	42	470209	284.867	ug/l	98
30) Chloroform	7.33	83	435353	48.288	ug/l	98
31) Cyclohexane	7.61	56	348443	50.440	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	378881	45.977	ug/l	98
36) 1,1-Dichloropropene	7.75	75	317280	49.851	ug/l	98
37) Ethyl Acetate	6.88	43	307963	57.786	ug/l	99
38) Carbon Tetrachloride	7.73	117	332152	49.105	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111920\
 Data File : VN064750.D
 Acq On : 19 Nov 2020 22:02
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/24/2020 3:11:30 PM

Quant Time: Nov 20 05:38:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 18 15:29:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	300845	53.347	ug/l	96
40) Benzene	8.00	78	949092	53.519	ug/l	100
41) Methacrylonitrile	7.13	41	152466	62.418	ug/l	93
42) 1,2-Dichloroethane	8.08	62	351474	46.064	ug/l	97
43) Isopropyl Acetate	8.13	43	506088	48.993	ug/l #	88
44) Trichloroethene	8.80	130	250731	49.266	ug/l	100
45) 1,2-Dichloropropane	9.08	63	255003	53.946	ug/l	98
46) Dibromomethane	9.17	93	165782	49.476	ug/l	94
47) Bromodichloromethane	9.37	83	346169	49.142	ug/l	97
48) Methyl methacrylate	9.17	41	257510	52.834	ug/l	93
49) 1,4-Dioxane	9.17	88	67361	1107.754	ug/l	95
51) 4-Methyl-2-Pentanone	9.95	43	1554763	249.351	ug/l	98
52) Toluene	10.13	92	583189	53.395	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	365738	48.513	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	394494	50.819	ug/l	90
55) 1,1,2-Trichloroethane	10.53	97	228546	52.170	ug/l	99
56) Ethyl methacrylate	10.40	69	328119	45.863	ug/l	93
57) 1,3-Dichloropropane	10.68	76	396499	52.250	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	947500	241.454	ug/l	99
59) 2-Hexanone	10.72	43	1116422	243.930	ug/l	97
60) Dibromochloromethane	10.87	129	257475	50.871	ug/l	99
61) 1,2-Dibromoethane	10.98	107	232417	49.740	ug/l	97
64) Tetrachloroethene	10.60	164	263539	52.266	ug/l	94
65) Chlorobenzene	11.41	112	603040	49.844	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	229860	50.846	ug/l	98
67) Ethyl Benzene	11.48	91	1100137	51.572	ug/l	100
68) m/p-Xylenes	11.59	106	826056	95.551	ug/l	96
69) o-Xylene	11.92	106	385166	51.754	ug/l	97
70) Styrene	11.94	104	666089	46.099	ug/l	98
71) Bromoform	12.10	173	159786	45.691	ug/l #	99
73) Isopropylbenzene	12.22	105	986088	56.572	ug/l	99
74) N-amyl acetate	12.04	43	450047	55.286	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	273001	56.019	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	305246m	57.705	ug/l	
77) Bromobenzene	12.50	156	242397	55.136	ug/l	97
78) n-propylbenzene	12.56	91	1161519	57.219	ug/l	100
79) 2-Chlorotoluene	12.65	91	688179	52.969	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	807016	55.734	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.27	75	104118	50.701	ug/l	89
82) 4-Chlorotoluene	12.75	91	714888	51.603	ug/l	100
83) tert-Butylbenzene	12.97	119	600665	53.623	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	781768	52.901	ug/l	100
85) sec-Butylbenzene	13.14	105	781053	52.312	ug/l	100
86) p-Isopropyltoluene	13.26	119	718083	52.294	ug/l	99
87) 1,3-Dichlorobenzene	13.25	146	381713	47.653	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	391674	47.628	ug/l	98
89) n-Butylbenzene	13.59	91	622983	48.598	ug/l	99
90) Hexachloroethane	13.85	117	111718	49.214	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	349128	44.594	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	61436	48.040	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111920\
Data File : VN064750.D
Acq On : 19 Nov 2020 22:02
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

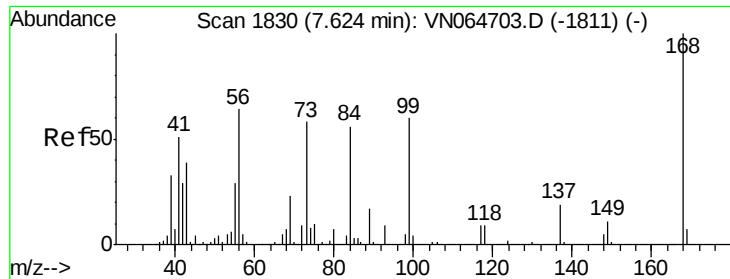
Manual Integrations
APPROVED

MMDadoda
11/24/2020 3:11:30 PM

Quant Time: Nov 20 05:38:29 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111820W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 18 15:29:54 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	174045	41.100	ug/l	98
94) Hexachlorobutadiene	14.98	225	77763	44.513	ug/l	97
95) Naphthalene	15.10	128	669067	48.487	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	202323	49.540	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064750.D

Acq: 19 Nov 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 363230

Ion Ratio Lower Upper

168 100

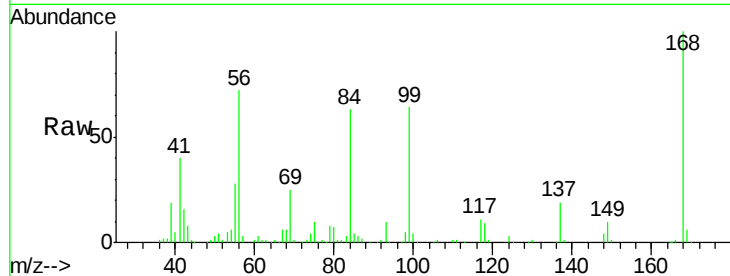
99 63.7 55.7 83.5

Manual Integrations

APPROVED

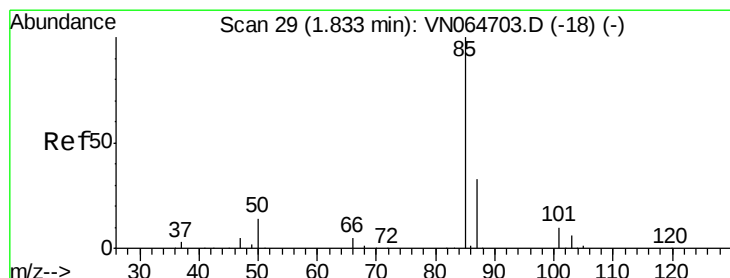
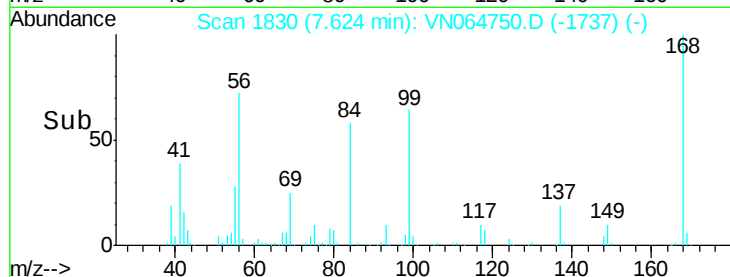
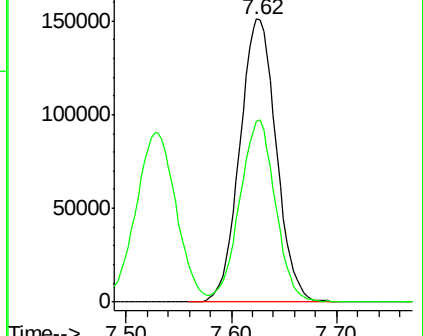
MMDadoda

11/24/2020 3:11:30 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 42.993 ug/l

RT: 1.83 min Scan# 29

Delta R.T. -0.00 min

Lab File: VN064750.D

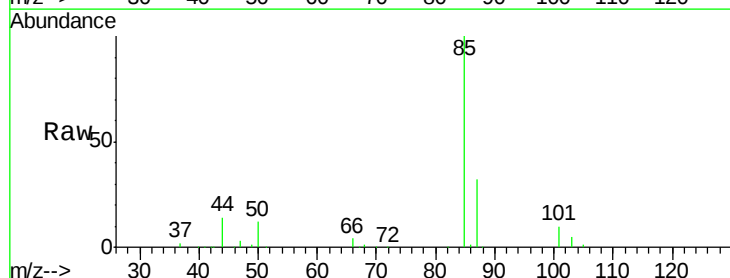
Acq: 19 Nov 2020 22:02

Tgt Ion: 85 Resp: 195129

Ion Ratio Lower Upper

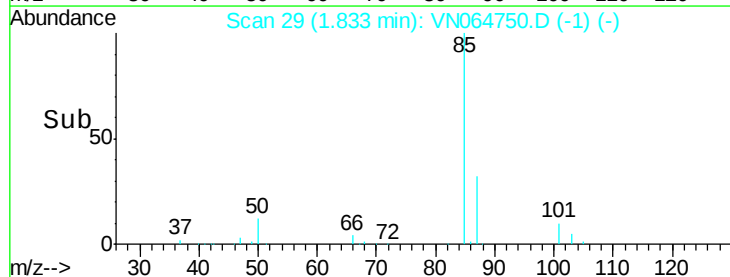
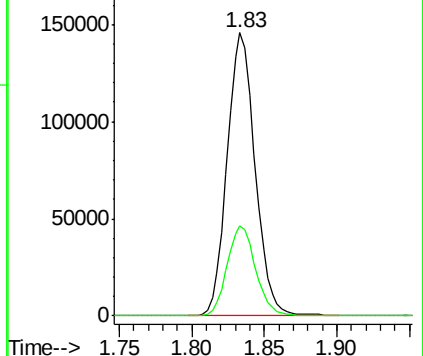
85 100

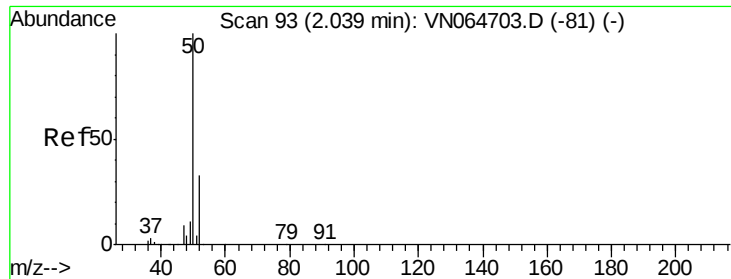
87 31.7 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 50.831 ug/l

RT: 2.04 min Scan# 93

Delta R.T. -0.00 min

Lab File: VN064750.D

Acq: 19 Nov 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 255106

Ion Ratio Lower Upper

50 100

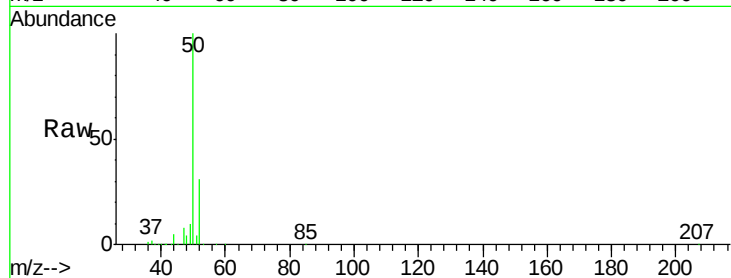
52 31.3 26.4 39.6

Manual Integrations

APPROVED

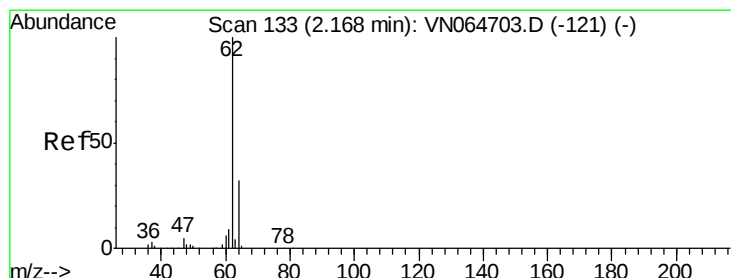
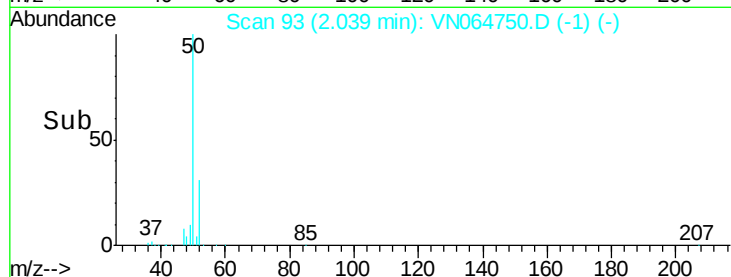
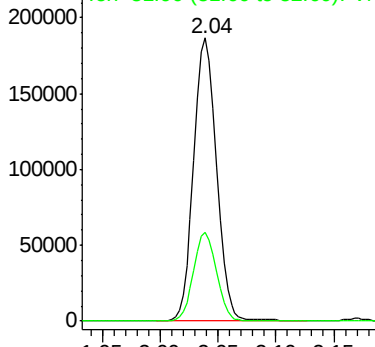
MMDadoda

11/24/2020 3:11:30 PM



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 50.574 ug/l

RT: 2.17 min Scan# 133

Delta R.T. -0.00 min

Lab File: VN064750.D

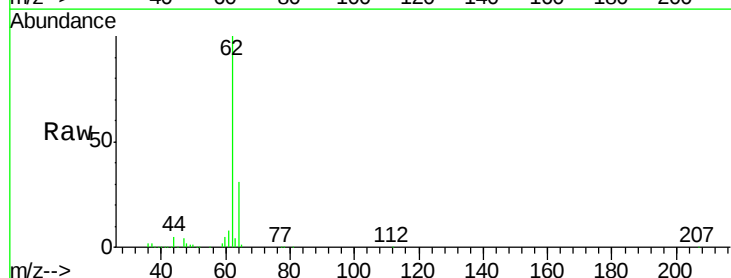
Acq: 19 Nov 2020 22:02

Tgt Ion: 62 Resp: 264839

Ion Ratio Lower Upper

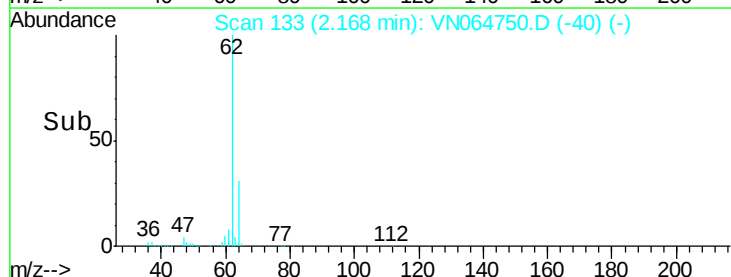
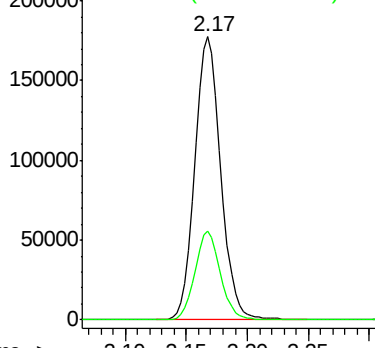
62 100

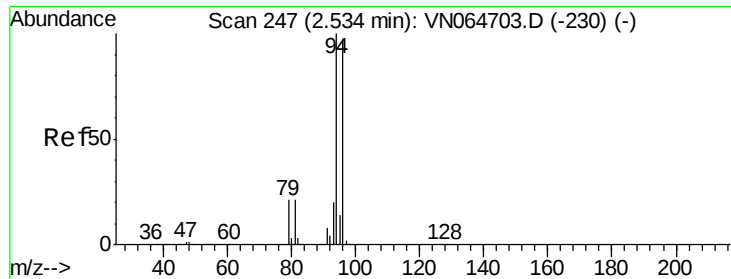
64 31.5 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 41.309 ug/l

RT: 2.53 min Scan# 247

Delta R.T. -0.00 min

Lab File: VN064750.D

Acq: 19 Nov 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 158628

Ion Ratio Lower Upper

94 100

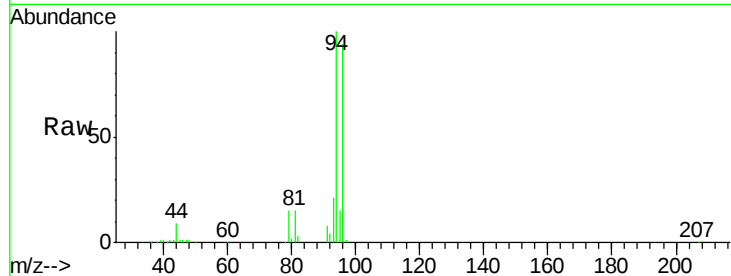
96 94.3 77.8 116.8

Manual Integrations

APPROVED

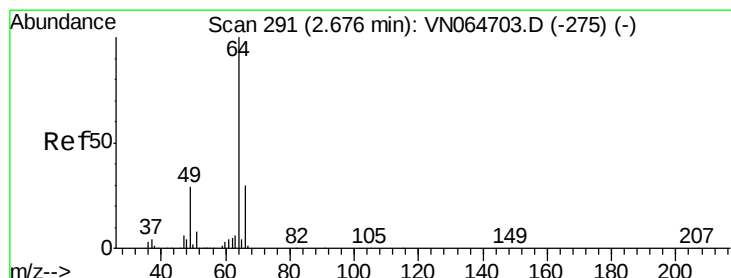
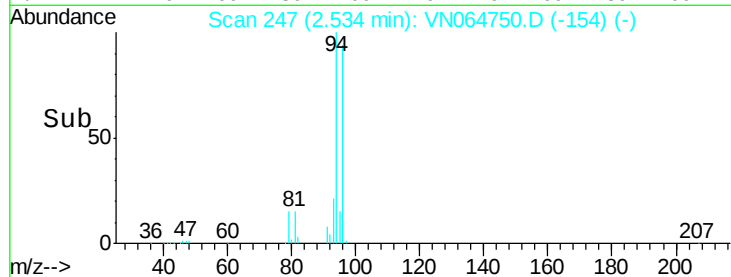
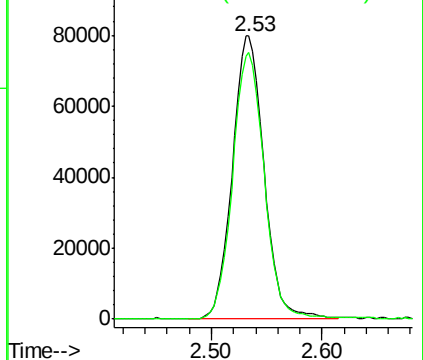
MMDadoda

11/24/2020 3:11:30 PM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 46.060 ug/l

RT: 2.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN064750.D

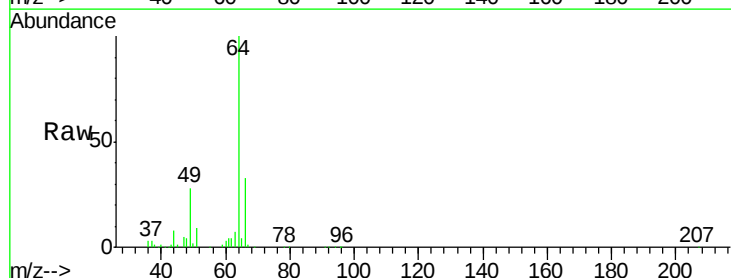
Acq: 19 Nov 2020 22:02

Tgt Ion: 64 Resp: 162740

Ion Ratio Lower Upper

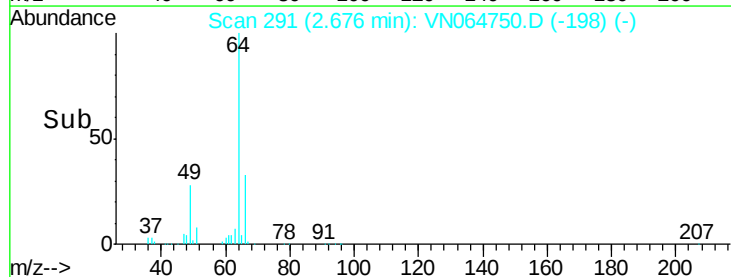
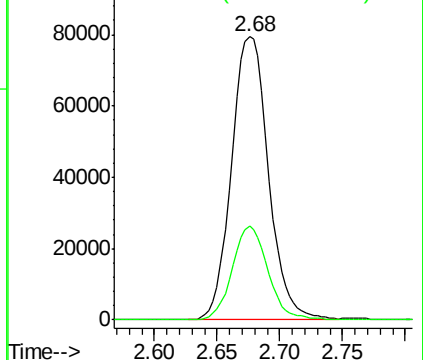
64 100

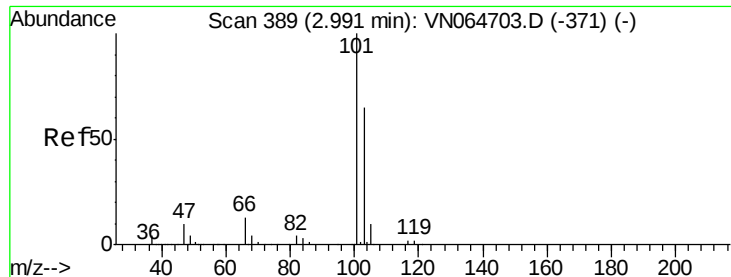
66 33.1 24.2 36.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

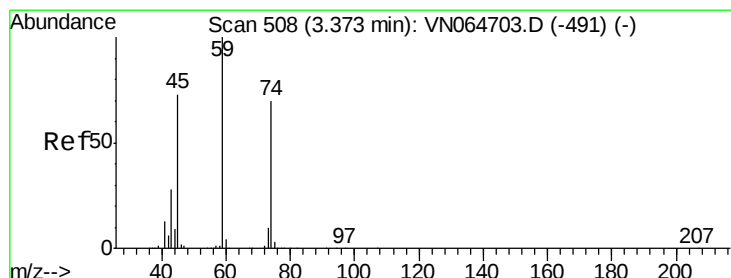
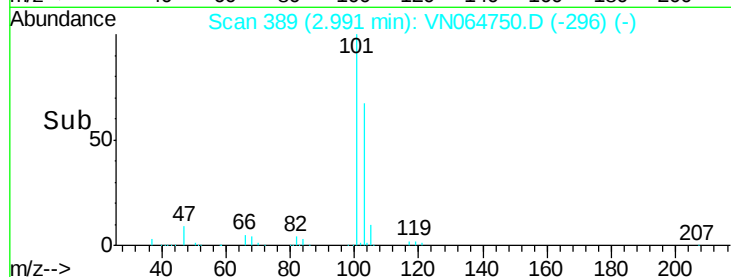
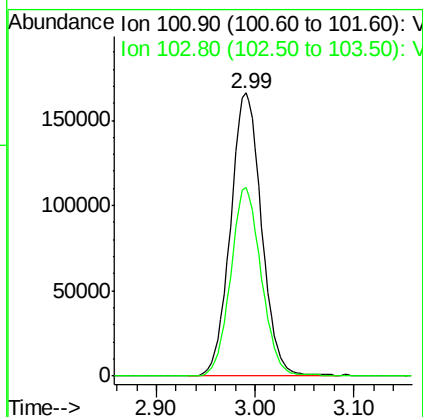
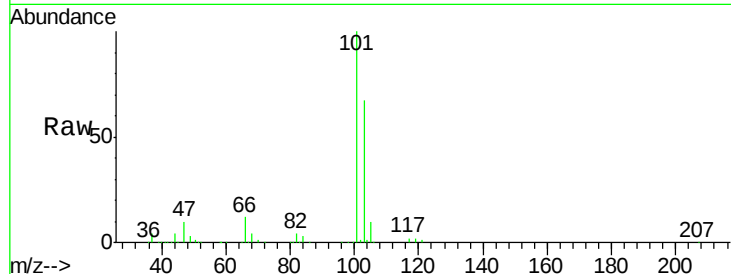
Trichlorofluoromethane
 Concen: 38.784 ug/l
 RT: 2.99 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN064750.D
 Acq: 19 Nov 2020 22:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.5	51.8	77.6

Manual Integrations
 APPROVED

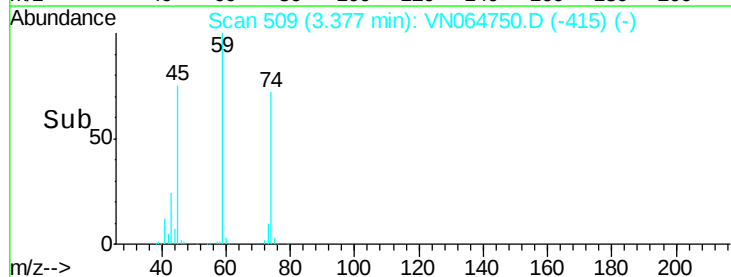
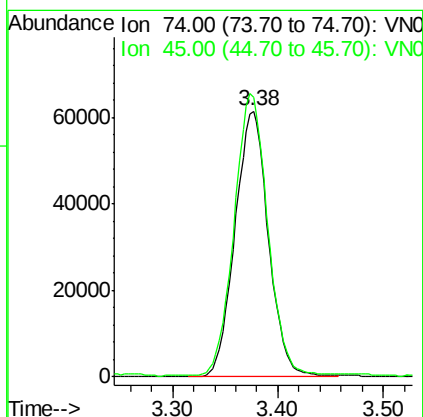
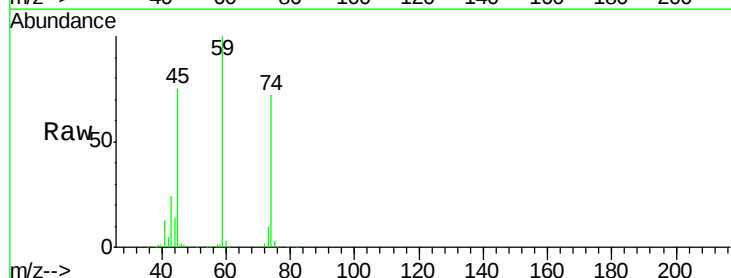
MMDadoda
 11/24/2020 3:11:30 PM

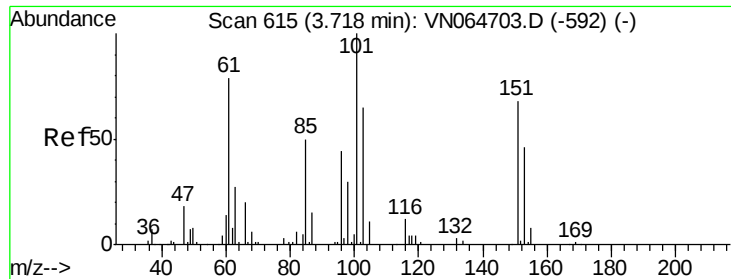


#8

Diethyl Ether
 Concen: 44.775 ug/l
 RT: 3.38 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN064750.D
 Acq: 19 Nov 2020 22:02

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.5	52.8	158.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.128 ug/l

RT: 3.71 min Scan# 614

Delta R.T. -0.00 min

Lab File: VN064750.D

Acq: 19 Nov 2020 22:02

Instrument :

MSVOA_N

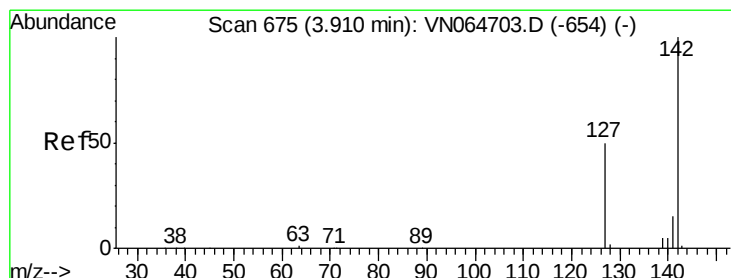
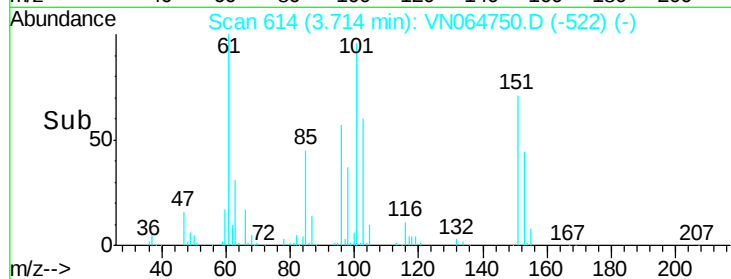
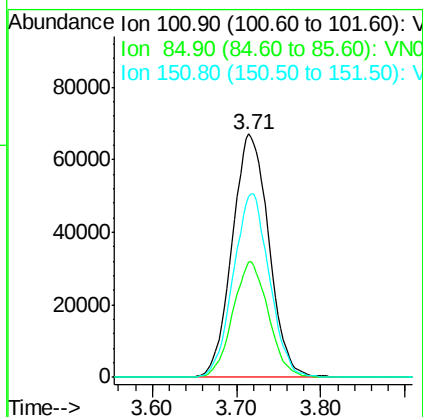
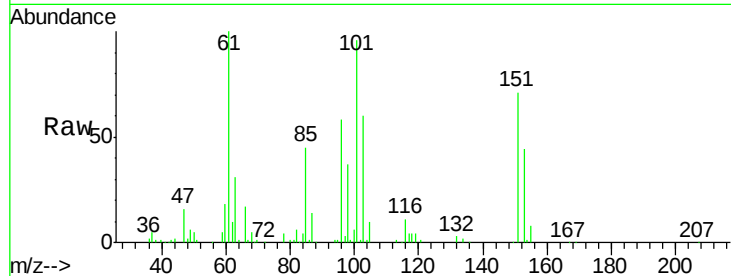
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	203177
Ion Ratio	Lower	Upper	
101	100		
85	45.9	39.0	58.4
151	74.3	57.2	85.8

Manual Integrations
APPROVED

MMDadoda
11/24/2020 3:11:30 PM



#10

Methyl Iodide

Concen: 46.619 ug/l

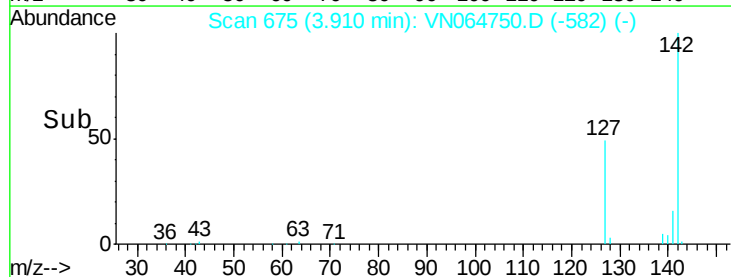
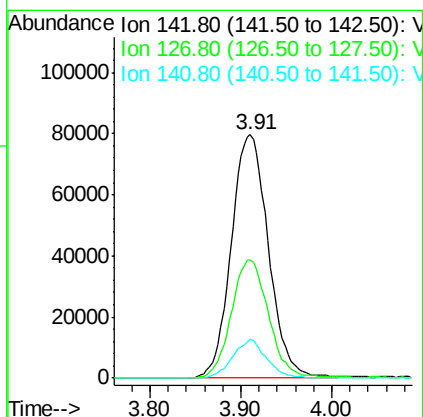
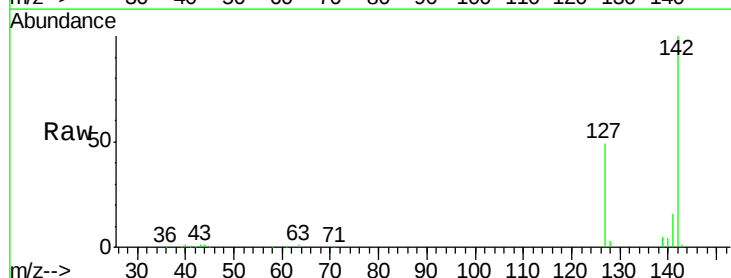
RT: 3.91 min Scan# 675

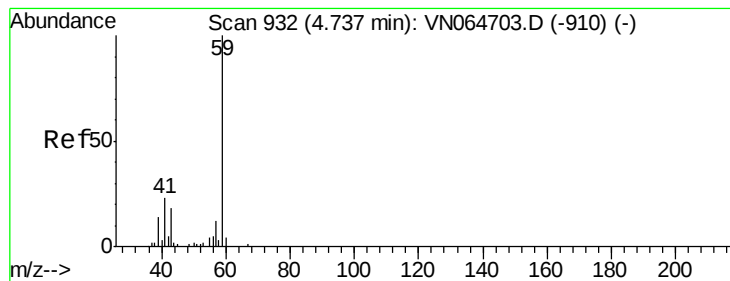
Delta R.T. -0.00 min

Lab File: VN064750.D

Acq: 19 Nov 2020 22:02

Tgt Ion:	142	Resp:	225871
Ion Ratio	Lower	Upper	
142	100		
127	48.6	42.0	63.0
141	14.4	12.1	18.1





#11

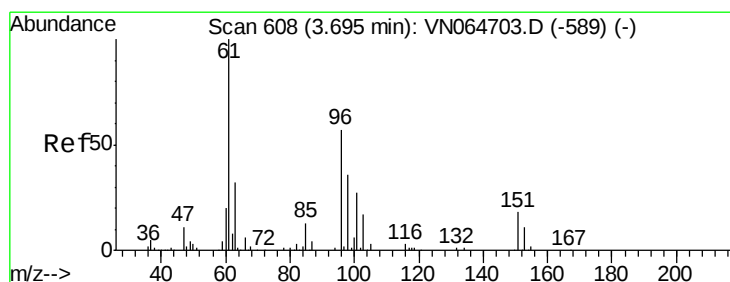
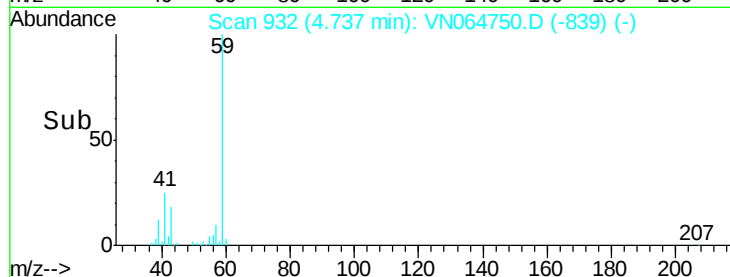
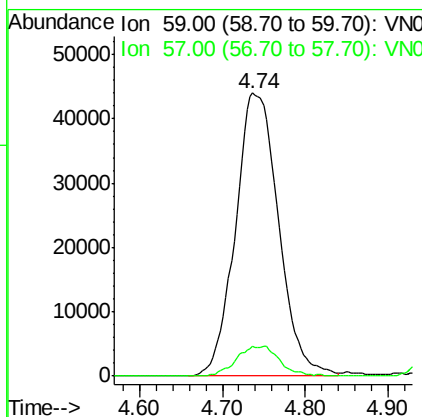
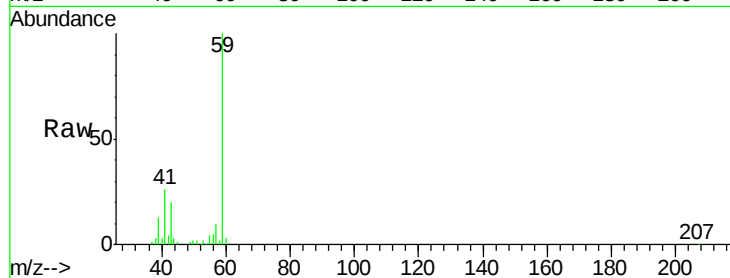
Tert butyl alcohol
Concen: 257.108 ug/l
RT: 4.74 min Scan# 932
Delta R.T. -0.00 min
Lab File: VN064750.D
Acq: 19 Nov 2020 22:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
59	100	159385		
57	5.5	9.1	13.7#	

Manual Integrations
APPROVED

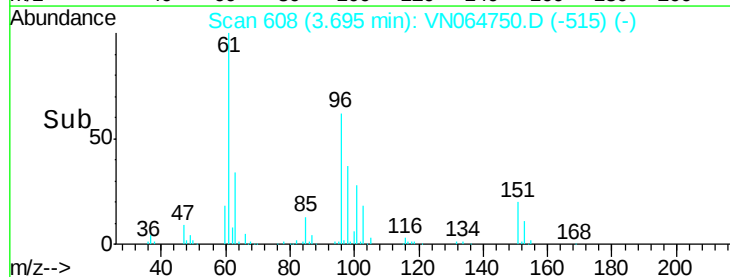
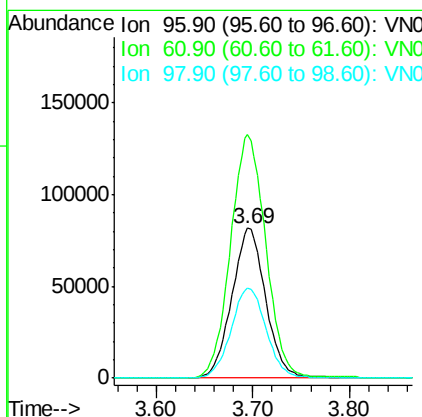
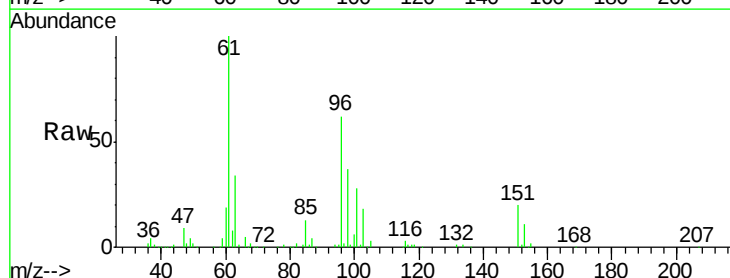
MMDadoda
11/24/2020 3:11:30 PM

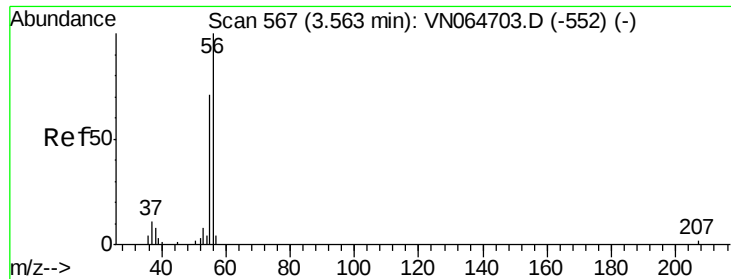


#12

1,1-Dichloroethene
Concen: 50.803 ug/l
RT: 3.69 min Scan# 608
Delta R.T. -0.00 min
Lab File: VN064750.D
Acq: 19 Nov 2020 22:02

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	198392		
61	162.2	139.1	208.7	
98	59.7	50.2	75.2	





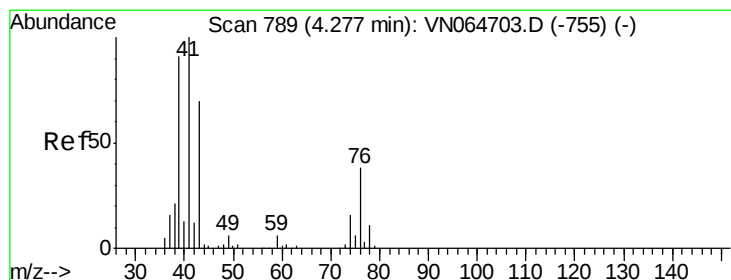
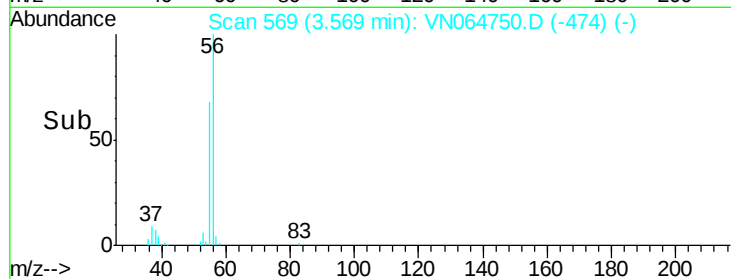
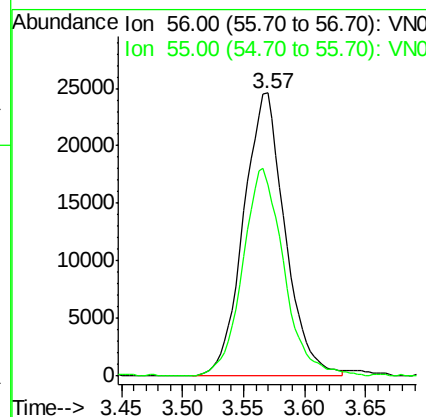
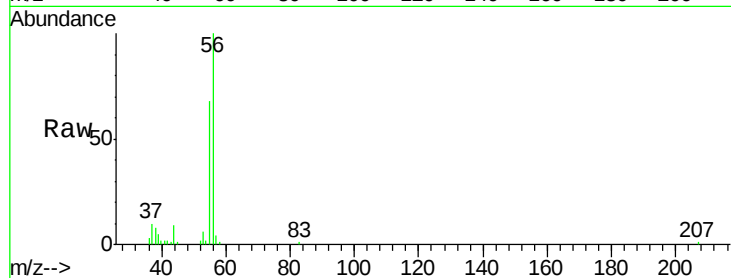
#13
Acrolein
Concen: 397.571 ug/l
RT: 3.57 min Scan# 569
Delta R.T. 0.01 min
Lab File: VN064750.D
Acq: 19 Nov 2020 22:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	57702
Ion Ratio	Lower	Upper	
56	100		
55	73.3	61.8	92.6

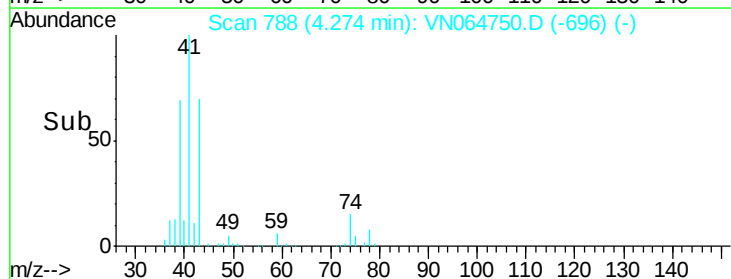
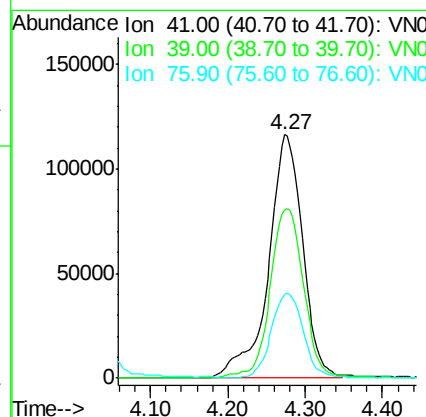
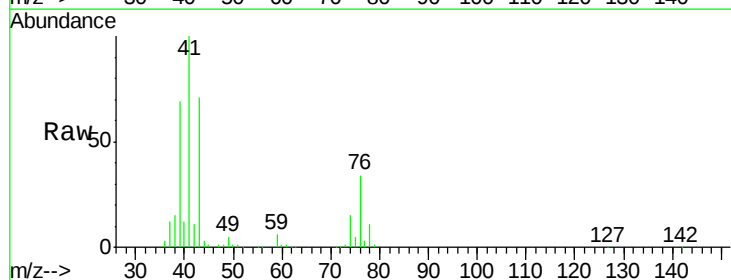
Manual Integrations
APPROVED

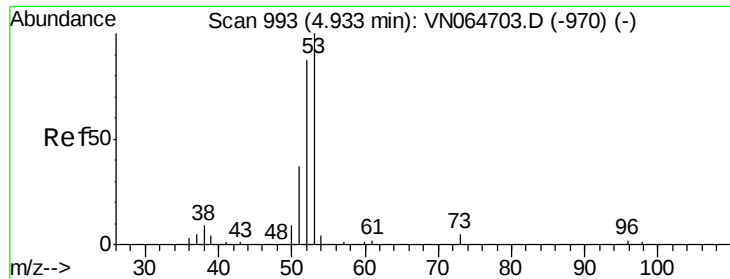
MMDadoda
11/24/2020 3:11:30 PM



#14
Allyl chloride
Concen: 53.128 ug/l
RT: 4.27 min Scan# 788
Delta R.T. -0.00 min
Lab File: VN064750.D
Acq: 19 Nov 2020 22:02

Tgt Ion	41	Resp	356238
Ion Ratio	Lower	Upper	
41	100		
39	68.3	66.1	99.1
76	32.1	26.6	40.0





#15

Acrylonitrile

Concen: 290.147 ug/l

RT: 4.93 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN064750.D

Acq: 19 Nov 2020 22:02

Instrument :

MSVOA_N

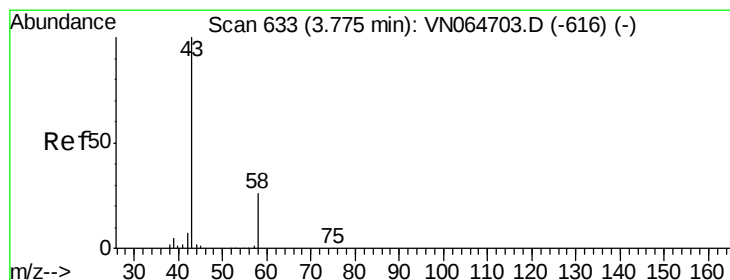
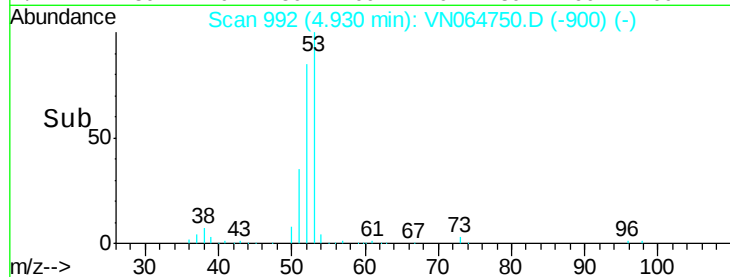
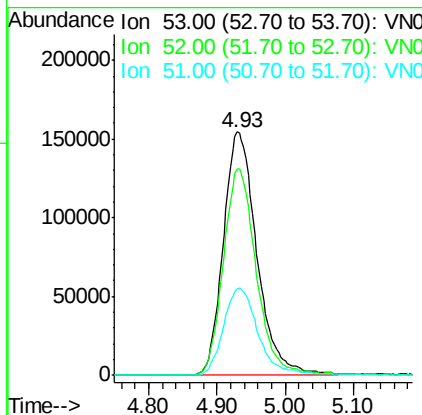
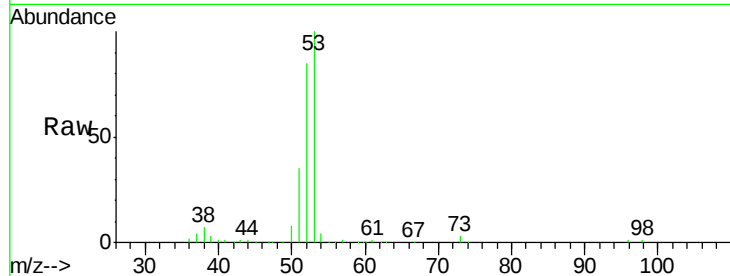
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	528149
Ion	Ratio	Lower	Upper
53	100		
52	83.1	67.2	100.8
51	37.3	31.0	46.6

Manual Integrations
APPROVED

MMDadoda
11/24/2020 3:11:30 PM



#16

Acetone

Concen: 296.404 ug/l

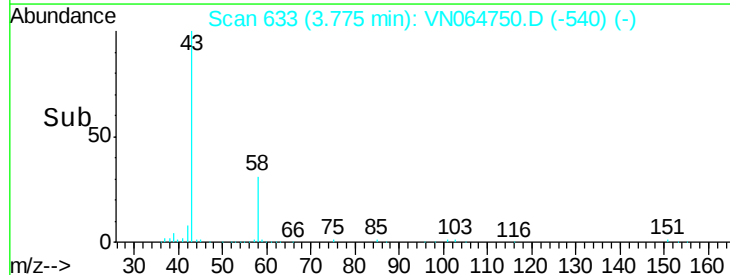
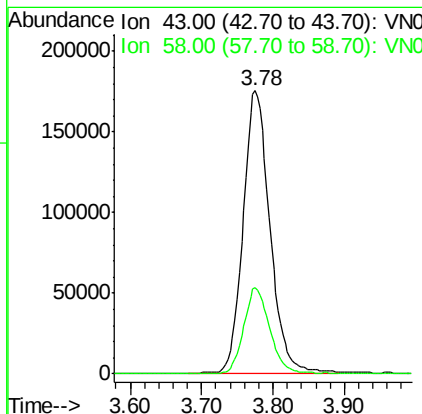
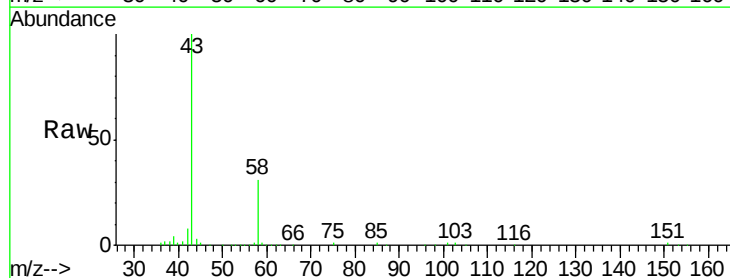
RT: 3.78 min Scan# 633

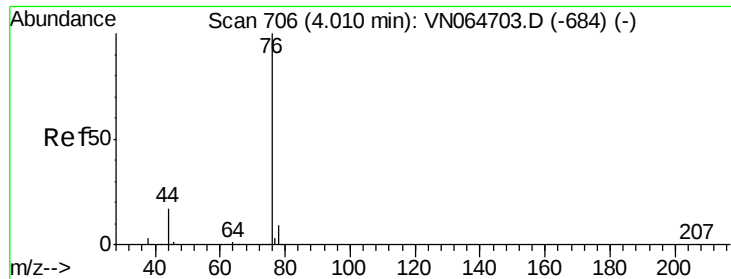
Delta R.T. 0.00 min

Lab File: VN064750.D

Acq: 19 Nov 2020 22:02

Tgt Ion:	43	Resp:	459726
Ion	Ratio	Lower	Upper
43	100		
58	30.7	21.2	31.8





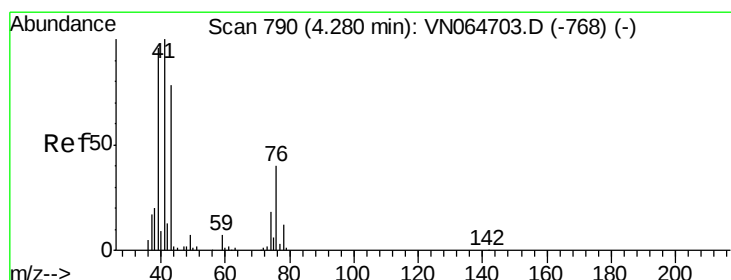
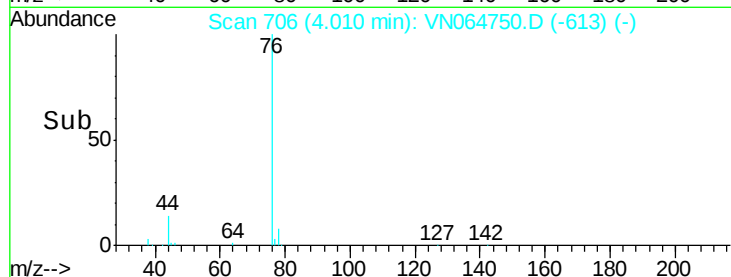
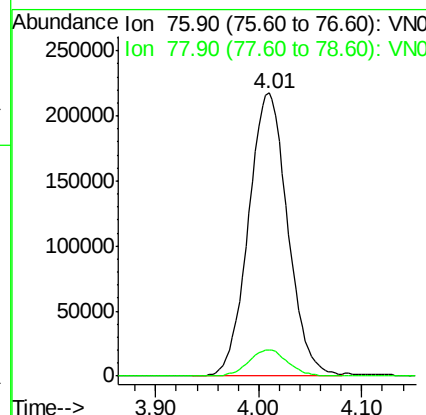
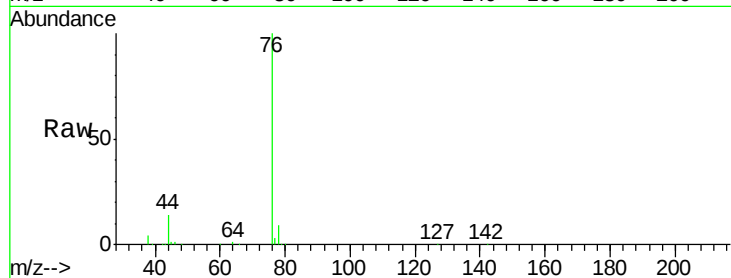
#17
Carbon Disulfide
Concen: 50.530 ug/l
RT: 4.01 min Scan# 706
Delta R.T. -0.00 min
Lab File: VN064750.D
Acq: 19 Nov 2020 22:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.1	10.7

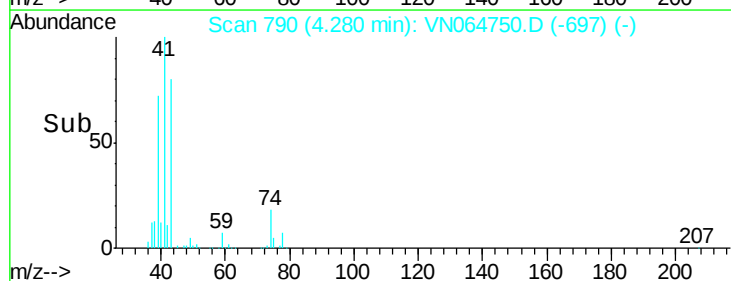
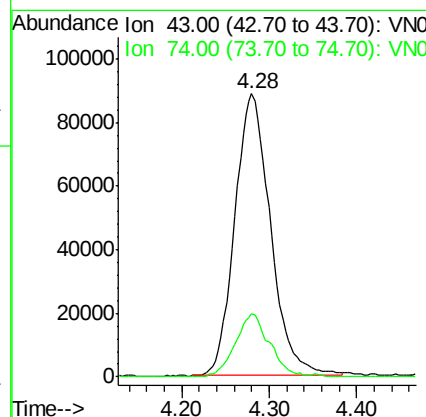
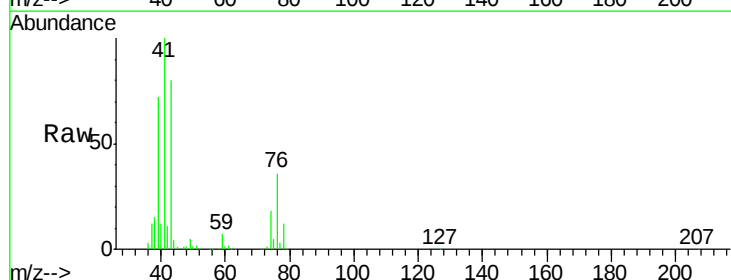
Manual Integrations
APPROVED

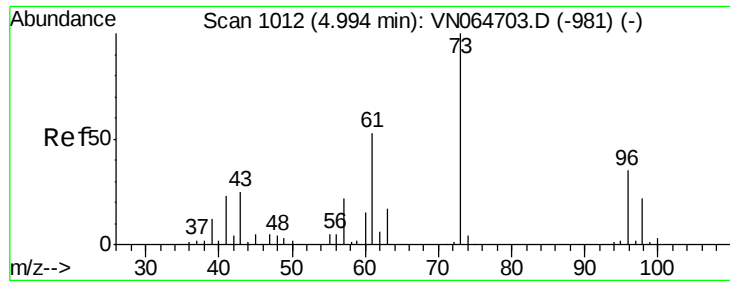
MMDadoda
11/24/2020 3:11:30 PM



#18
Methyl Acetate
Concen: 53.626 ug/l
RT: 4.28 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN064750.D
Acq: 19 Nov 2020 22:02

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.3	17.6	26.4





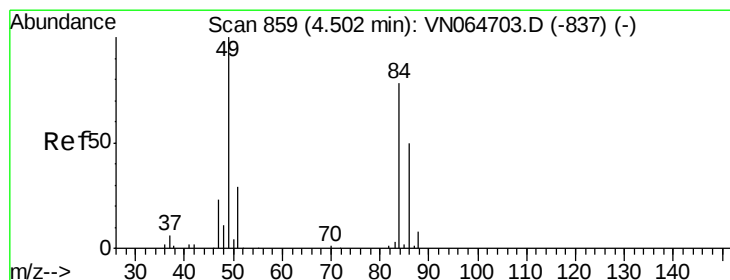
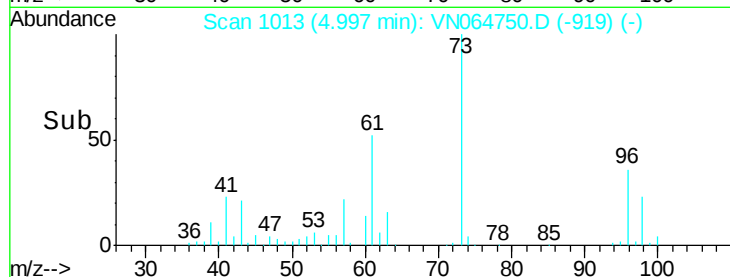
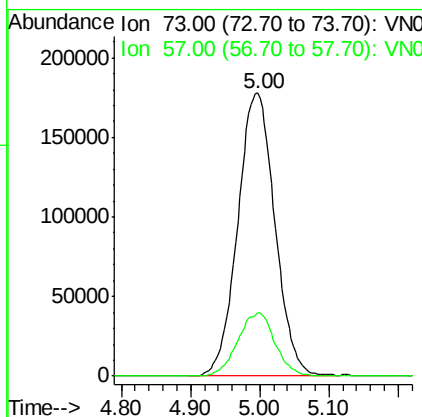
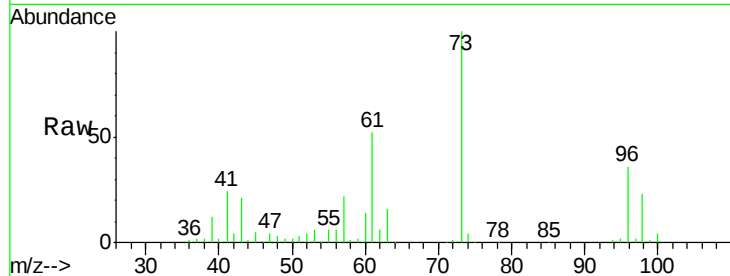
#19
Methvl tert-butvl Ether
Concen: 50.695 ug/l
RT: 5.00 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VN064750.D
Acq: 19 Nov 2020 22:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 662428
Ion Ratio Lower Upper
73 100
57 22.1 17.3 25.9

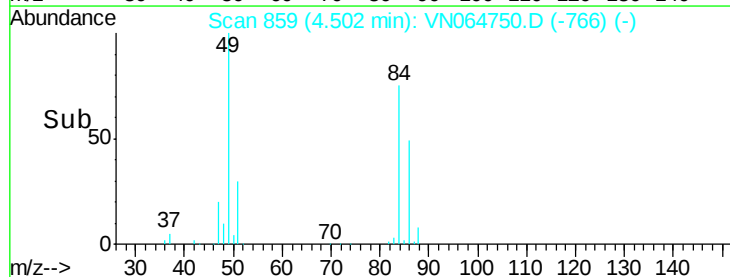
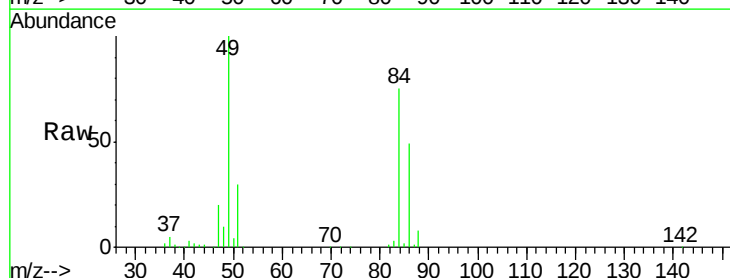
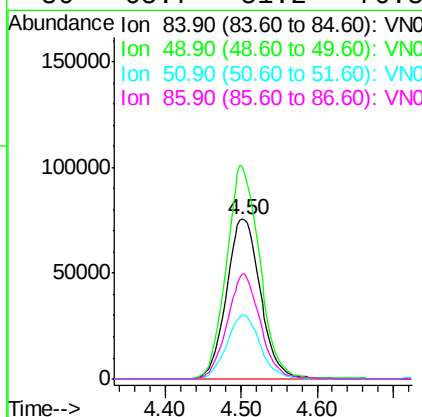
Manual Integrations
APPROVED

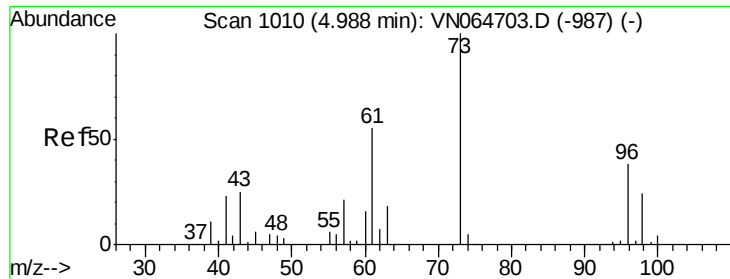
MMDadoda
11/24/2020 3:11:30 PM



#20
Methylene Chloride
Concen: 49.710 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN064750.D
Acq: 19 Nov 2020 22:02

Tgt Ion: 84 Resp: 235213
Ion Ratio Lower Upper
84 100
49 132.6 102.4 153.6
51 40.0 29.4 44.2
86 65.7 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 49.475 ug/l

RT: 4.99 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VN064750.D

Acq: 19 Nov 2020 22:02

Instrument :

MSVOA_N

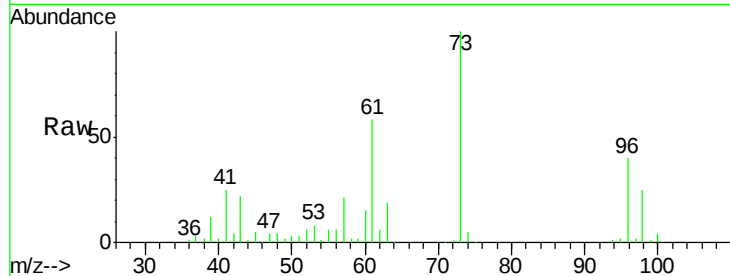
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	21581
Ion	Ratio	Lower	Upper
96	100		
61	146.2	117.9	176.9
98	62.4	51.1	76.7

Manual Integrations
APPROVED

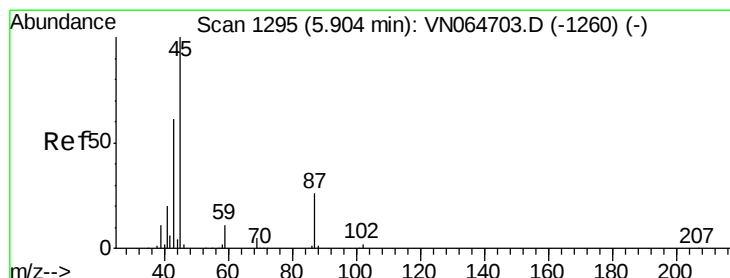
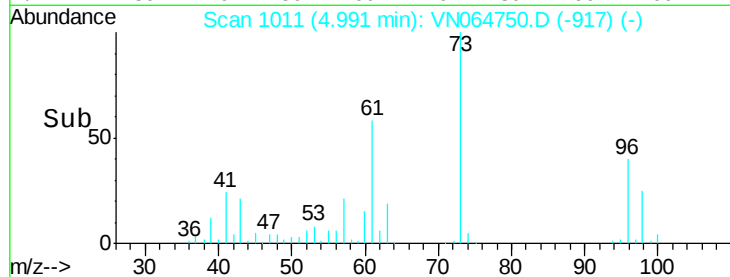
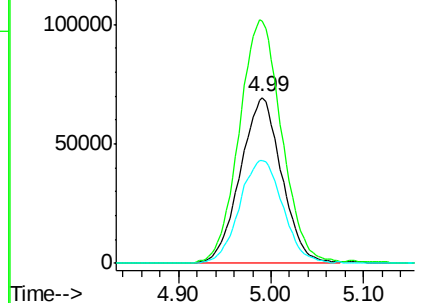
MMDadoda
11/24/2020 3:11:30 PM



Abundance Ion 95.90 (95.60 to 96.60): VN064750.D (-917) (-)

Ion 60.90 (60.60 to 61.60): VN064750.D (-917) (-)

Ion 97.90 (97.60 to 98.60): VN064750.D (-917) (-)



#22

Diisopropyl ether

Concen: 54.283 ug/l

RT: 5.91 min Scan# 1296

Delta R.T. 0.00 min

Lab File: VN064750.D

Acq: 19 Nov 2020 22:02

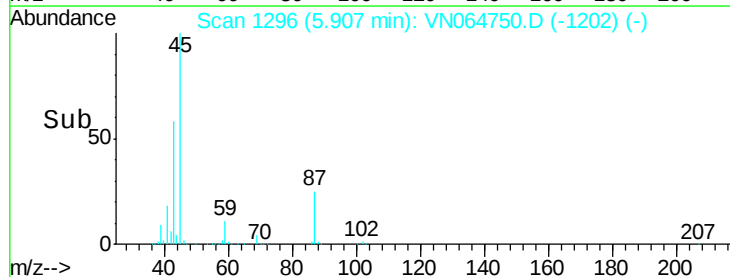
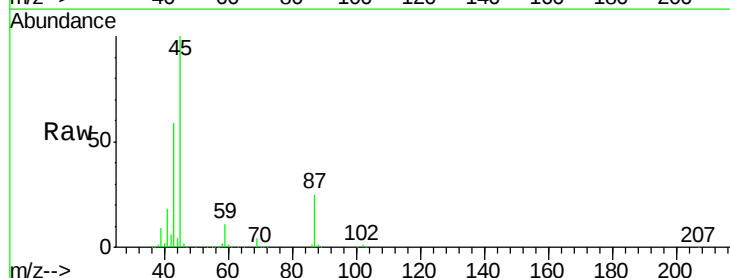
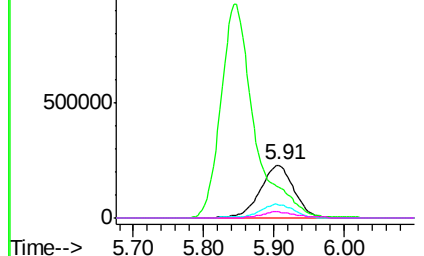
Tgt Ion:	45	Resp:	768670
Ion	Ratio	Lower	Upper
45	100		
43	57.5	52.3	78.5
87	25.1	21.6	32.4
59	10.9	8.7	13.1

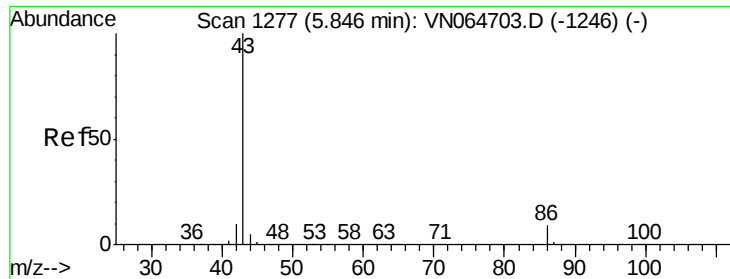
Abundance Ion 45.00 (44.70 to 45.70): VN064750.D (-1202) (-)

Ion 43.00 (42.70 to 43.70): VN064750.D (-1202) (-)

Ion 87.00 (86.70 to 87.70): VN064750.D (-1202) (-)

Ion 59.00 (58.70 to 59.70): VN064750.D (-1202) (-)





#23

Vinyl Acetate

Concen: 269.745 ug/l

RT: 5.85 min Scan# 1277

Delta R.T. -0.00 min

Lab File: VN064750.D

Acq: 19 Nov 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 3082651

Ion Ratio Lower Upper

43 100

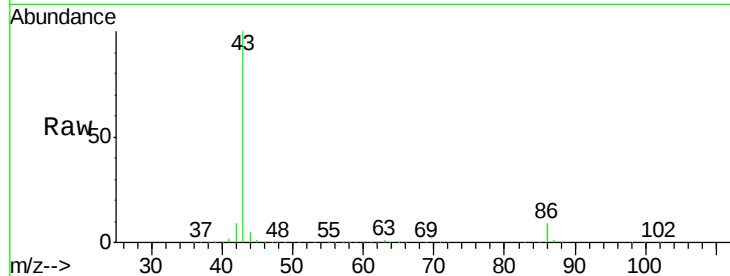
86 9.2 7.4 11.0

Manual Integrations

APPROVED

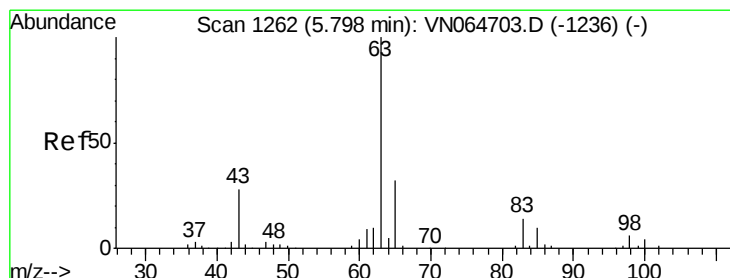
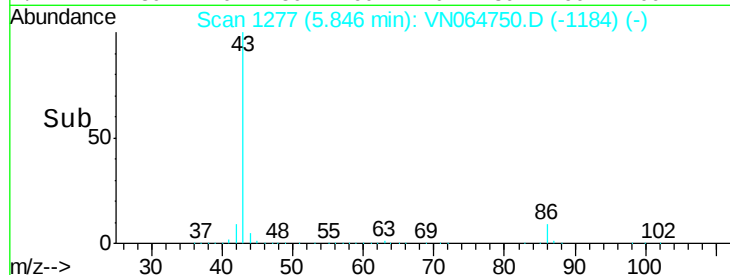
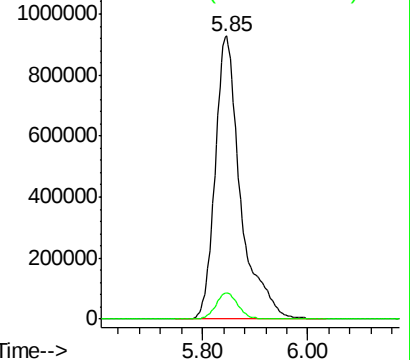
MMDadoda

11/24/2020 3:11:30 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 51.020 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VN064750.D

Acq: 19 Nov 2020 22:02

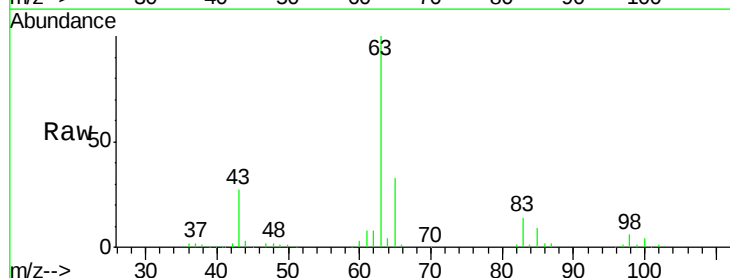
Tgt Ion: 63 Resp: 423284

Ion Ratio Lower Upper

63 100

98 6.1 3.2 9.6

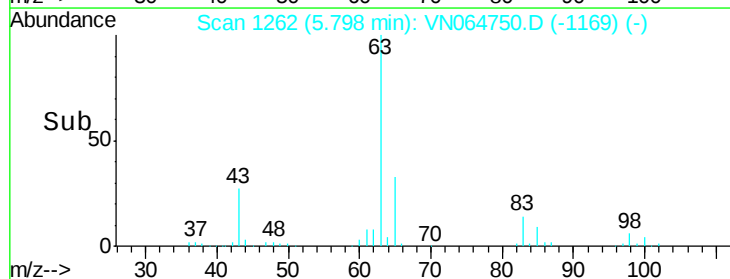
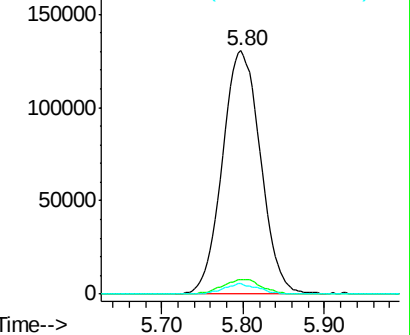
100 4.4 1.9 5.7

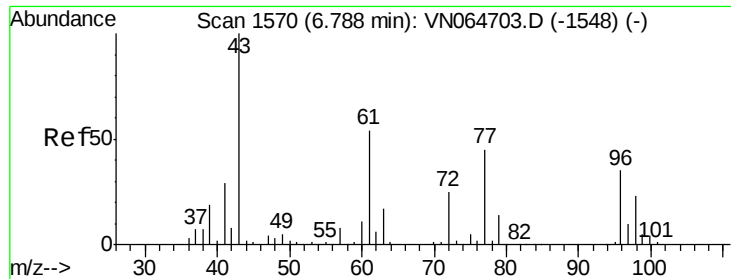


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





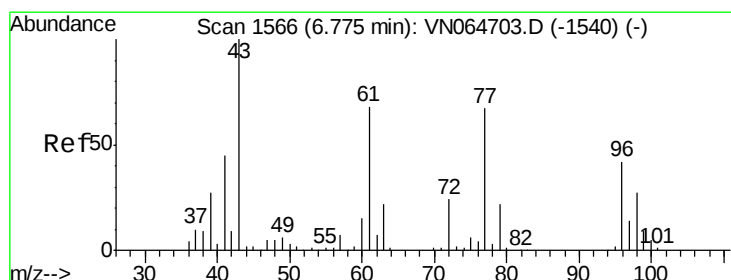
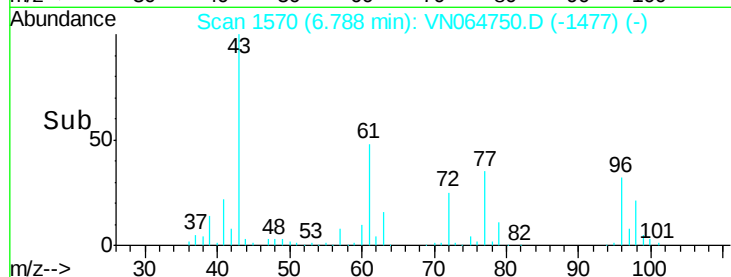
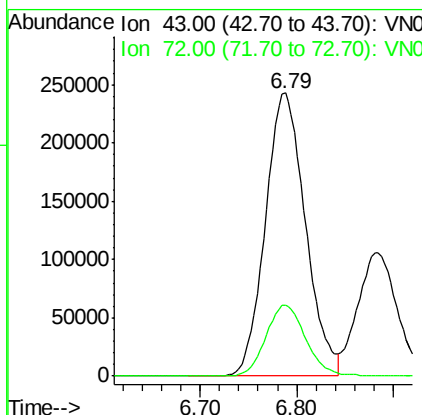
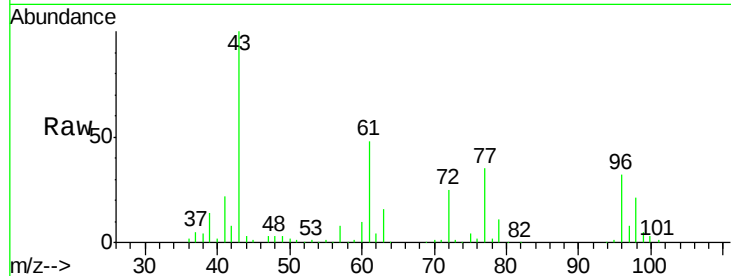
#25
2-Butanone
Concen: 285.802 ug/l
RT: 6.79 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VN064750.D
Acq: 19 Nov 2020 22:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 698204
Ion Ratio Lower Upper
43 100
72 25.1 19.7 29.5

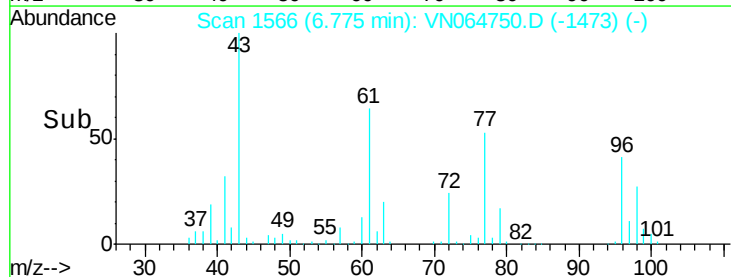
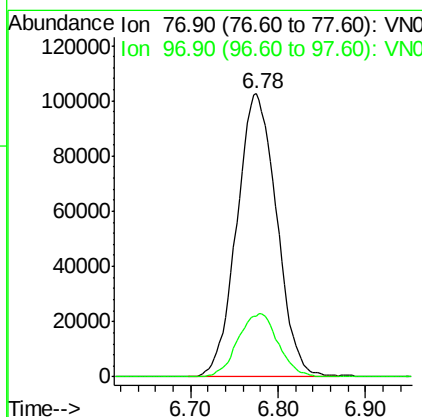
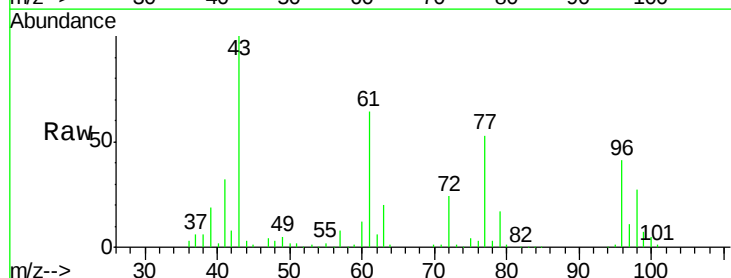
Manual Integrations
APPROVED

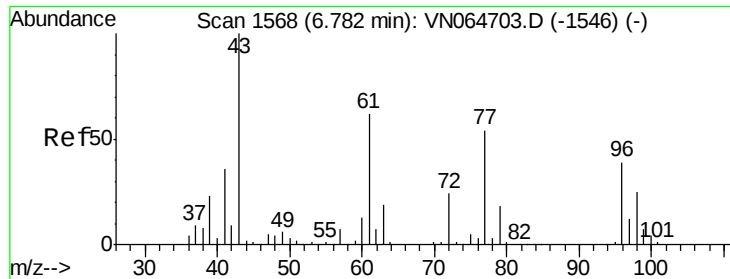
MMDadoda
11/24/2020 3:11:30 PM



#26
2,2-Dichloropropane
Concen: 41.067 ug/l
RT: 6.78 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VN064750.D
Acq: 19 Nov 2020 22:02

Tgt Ion: 77 Resp: 323752
Ion Ratio Lower Upper
77 100
97 22.7 10.5 31.5





#27

cis-1,2-Dichloroethene

Concen: 51.398 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN064750.D

Acq: 19 Nov 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 246917

Ion Ratio Lower Upper

96 100

61 152.1 0.0 322.6

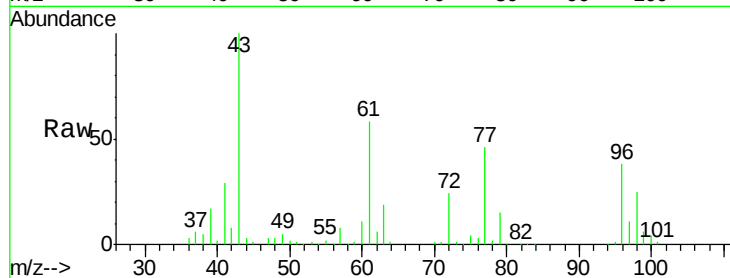
98 64.0 0.0 128.6

Manual Integrations

APPROVED

MMDadoda

11/24/2020 3:11:30 PM

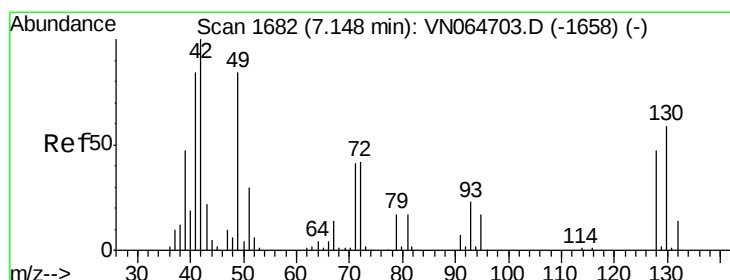
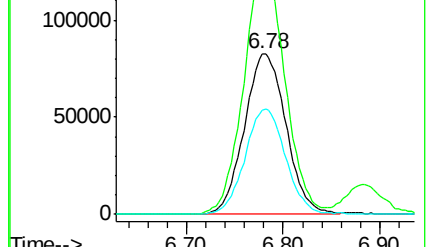
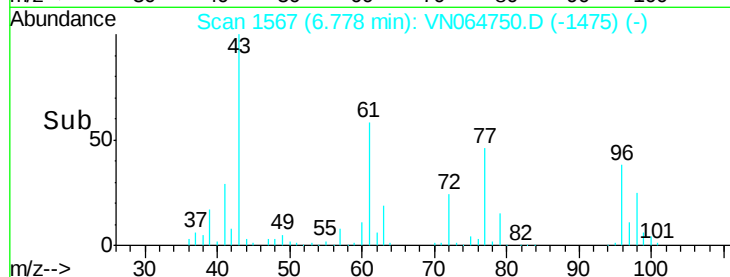


Abundance Ion 95.90 (95.60 to 96.60): VN064750.D (-1475) (-)

Ion 60.90 (60.60 to 61.60): VN064750.D (-1475) (-)

Ion 97.90 (97.60 to 98.60): VN064750.D (-1475) (-)

Time-->



#28

Bromochloromethane

Concen: 49.050 ug/l

RT: 7.15 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VN064750.D

Acq: 19 Nov 2020 22:02

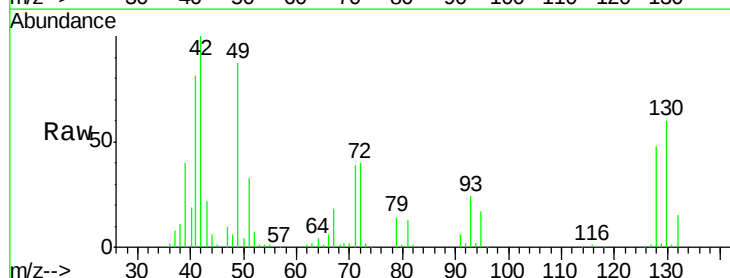
Tgt Ion: 49 Resp: 205179

Ion Ratio Lower Upper

49 100

129 1.8 0.0 3.8

130 70.0 56.2 84.4

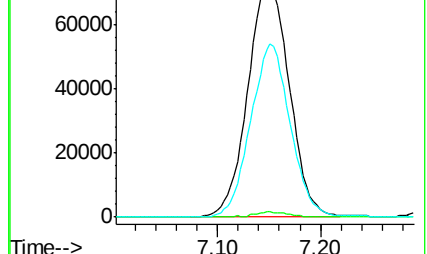
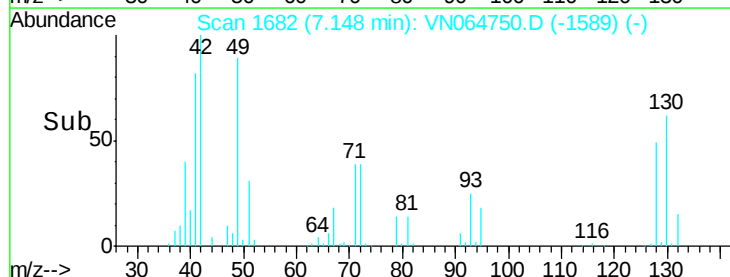


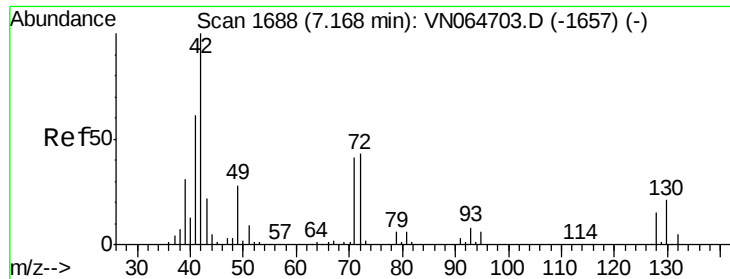
Abundance Ion 48.90 (48.60 to 49.60): VN064750.D (-1589) (-)

Ion 128.80 (128.50 to 129.50): VN064750.D (-1589) (-)

Ion 129.80 (129.50 to 130.50): VN064750.D (-1589) (-)

Time-->





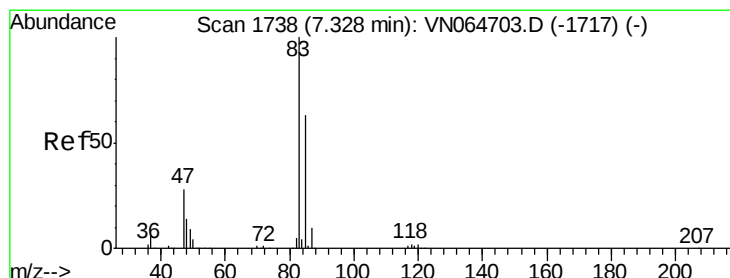
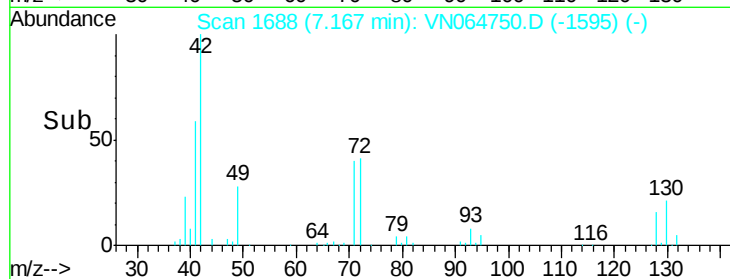
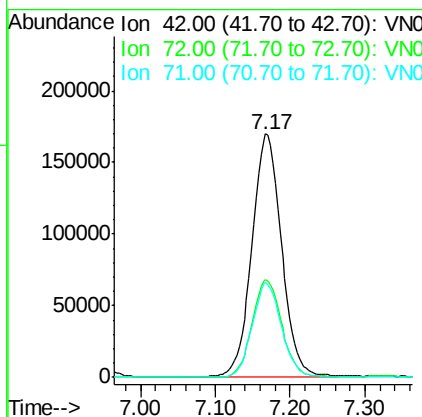
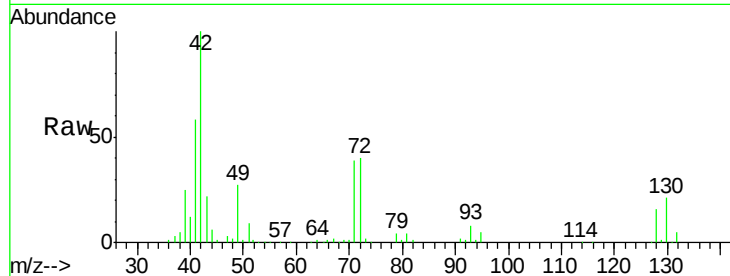
#29
Tetrahydrofuran
Concen: 284.867 ug/l
RT: 7.17 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VN064750.D
Acq: 19 Nov 2020 22:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.1	33.0	49.4
71	38.2	31.8	47.6

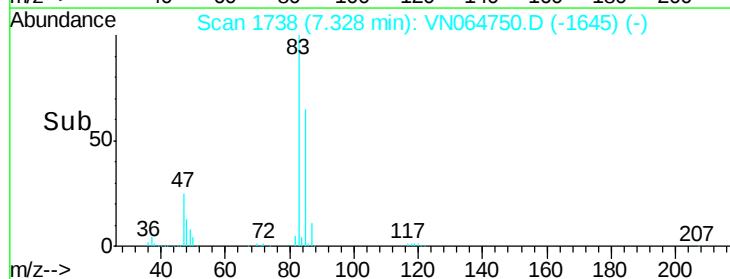
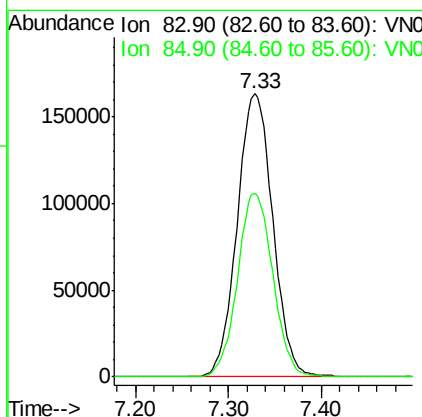
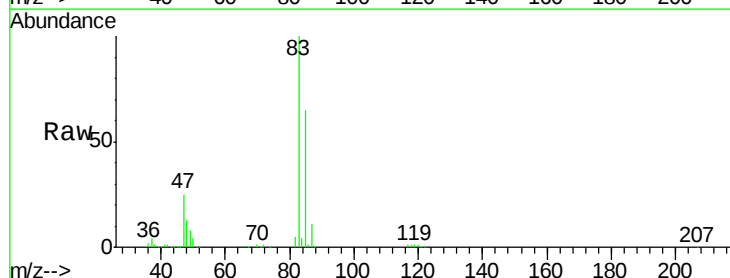
Manual Integrations
APPROVED

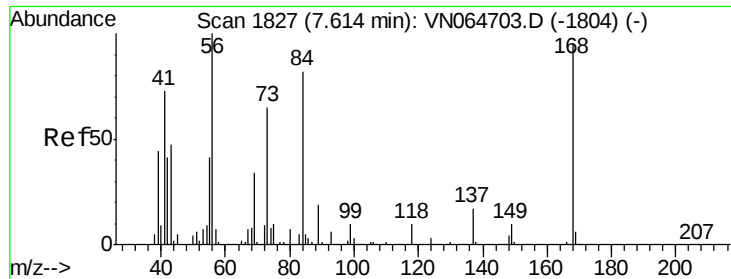
MMDadoda
11/24/2020 3:11:30 PM



#30
Chloroform
Concen: 48.288 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN064750.D
Acq: 19 Nov 2020 22:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	50.6	75.8





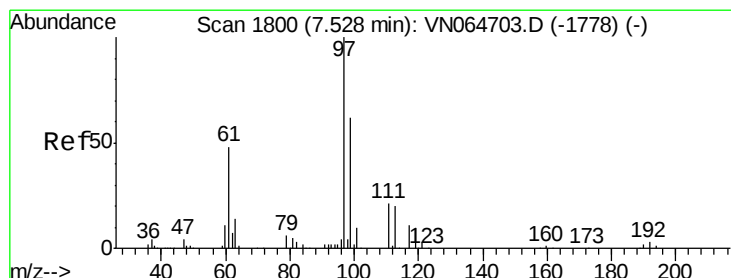
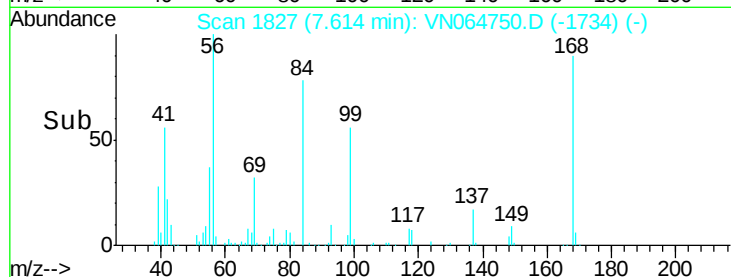
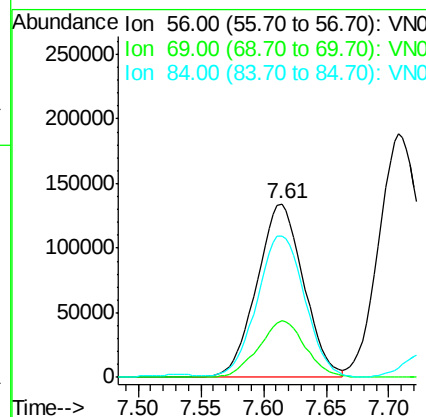
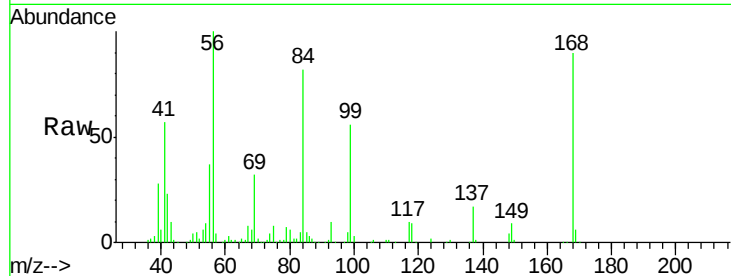
#31
Cyclohexane
Concen: 50.440 ug/l
RT: 7.61 min Scan# 1827
Delta R.T. -0.00 min
Lab File: VN064750.D
Acq: 19 Nov 2020 22:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.5	27.2	40.8
84	80.6	65.9	98.9

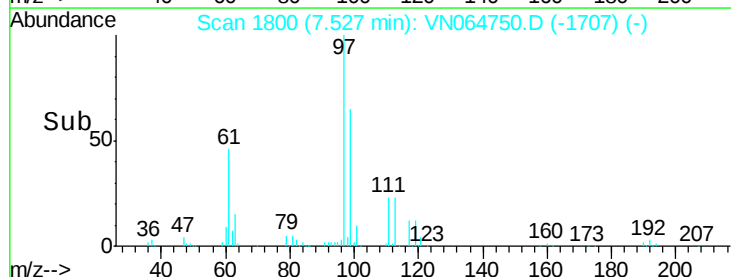
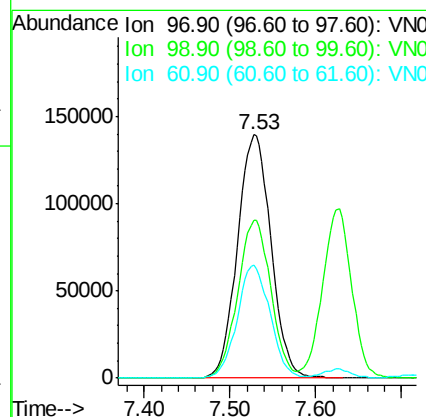
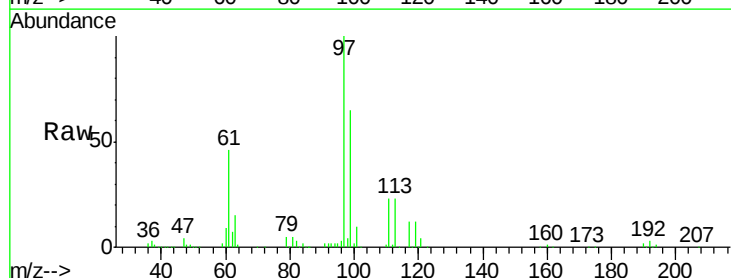
Manual Integrations
APPROVED

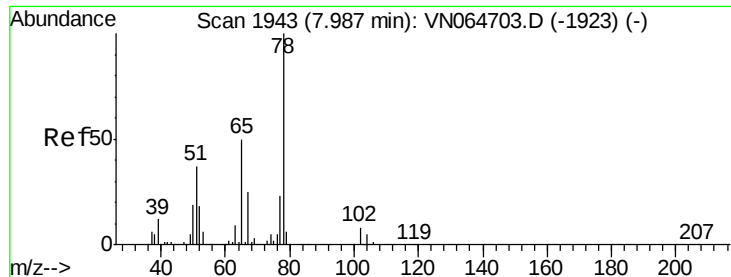
MMDadoda
11/24/2020 3:11:30 PM



#32
1,1,1-Trichloroethane
Concen: 45.977 ug/l
RT: 7.53 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VN064750.D
Acq: 19 Nov 2020 22:02

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	50.6	76.0
61	45.4	38.3	57.5





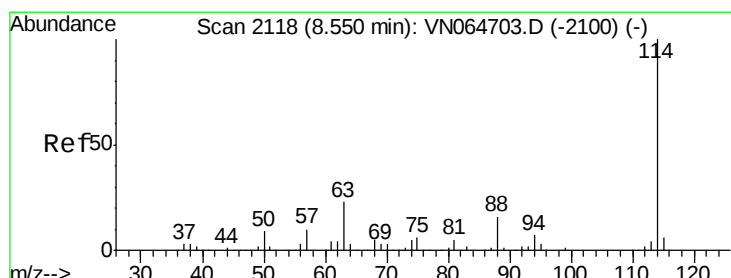
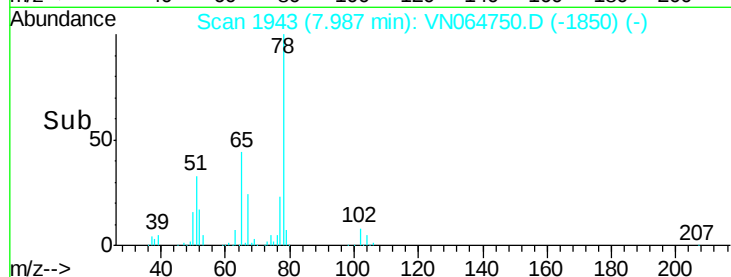
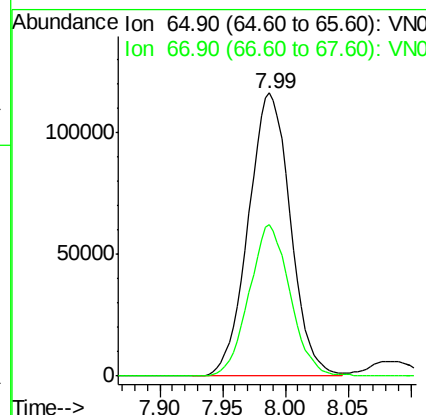
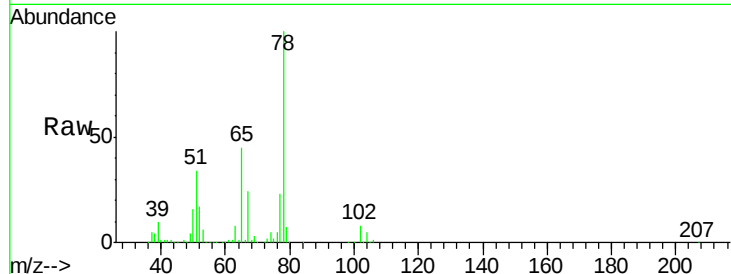
#33
 1,2-Dichloroethane-d4
 Concen: 42.450 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN064750.D
 Acq: 19 Nov 2020 22:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	99.8

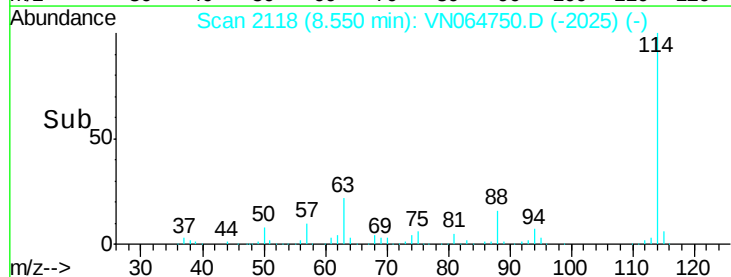
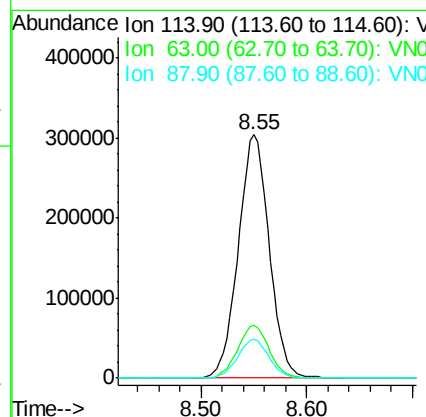
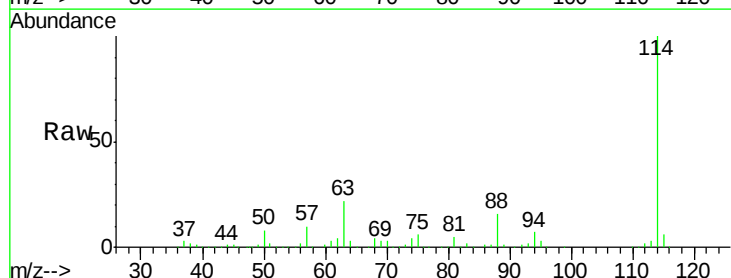
Manual Integrations
 APPROVED

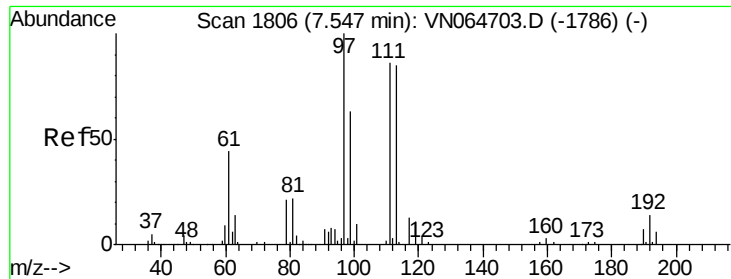
MMDadoda
 11/24/2020 3:11:30 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN064750.D
 Acq: 19 Nov 2020 22:02

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	46.0
88	15.9	0.0	31.2





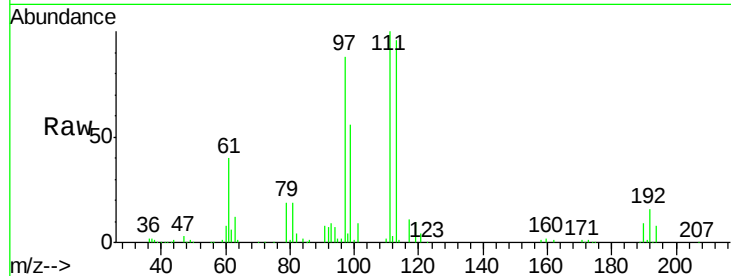
#35
 Dibromofluoromethane
 Concen: 52.851 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064750.D
 Acq: 19 Nov 2020 22:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	186096		
111	102.2	82.2	123.4	
192	17.2	12.7	19.1	

Manual Integrations
 APPROVED

MMDadoda
 11/24/2020 3:11:30 PM

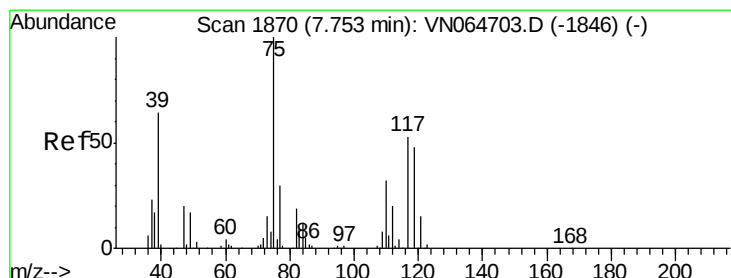
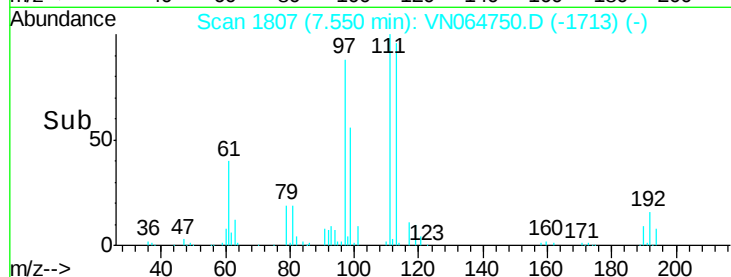
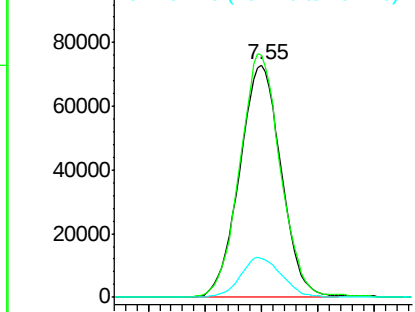


Abundance

Ion 112.80 (112.50 to 113.50): V

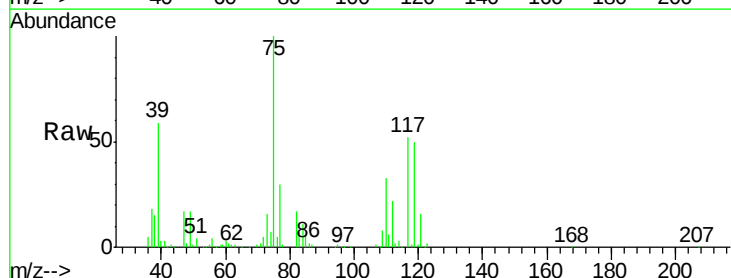
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 49.851 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: VN064750.D
 Acq: 19 Nov 2020 22:02

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	317280		
110	33.8	16.2	48.6	
77	31.1	24.4	36.6	

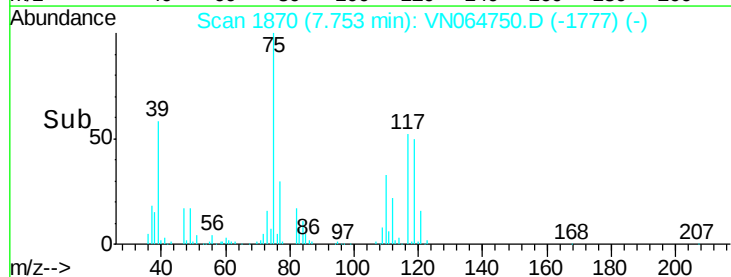
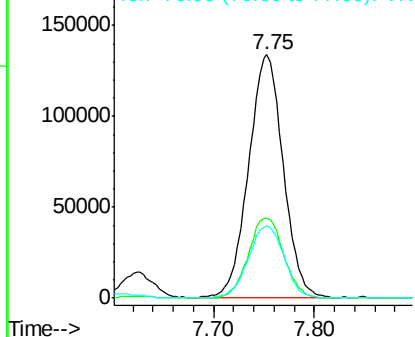


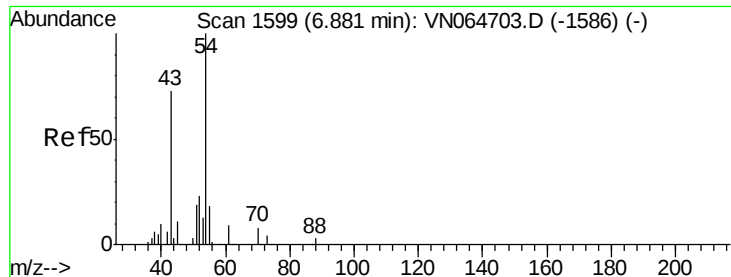
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





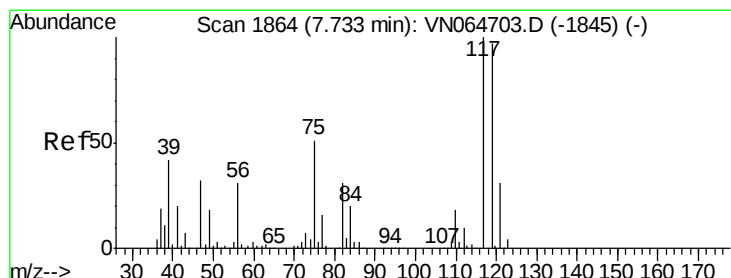
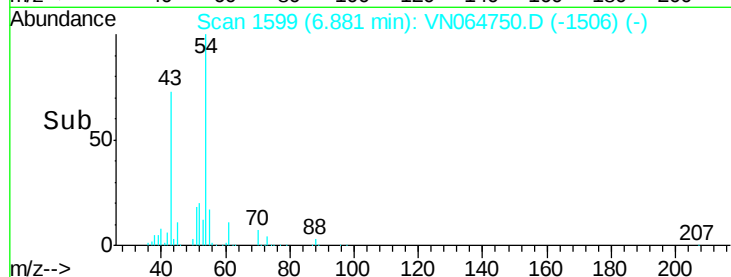
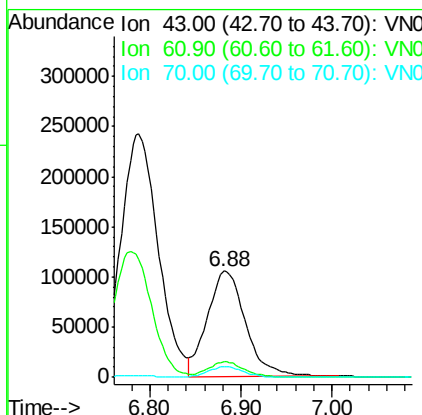
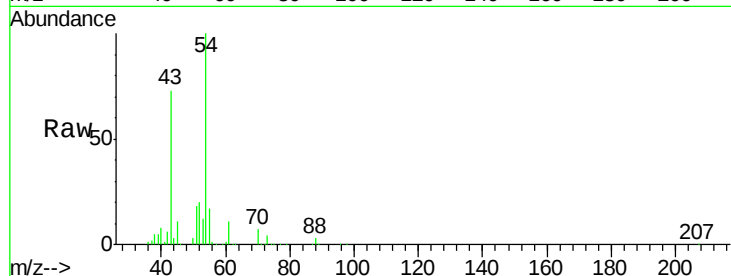
#37
Ethyl Acetate
Concen: 57.786 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN064750.D
Acq: 19 Nov 2020 22:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	307963
Ion Ratio	100	Lower	Upper
43	100		
61	13.3	10.4	15.6
70	9.6	7.6	11.4

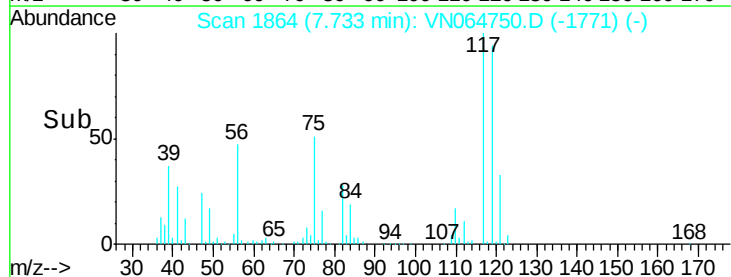
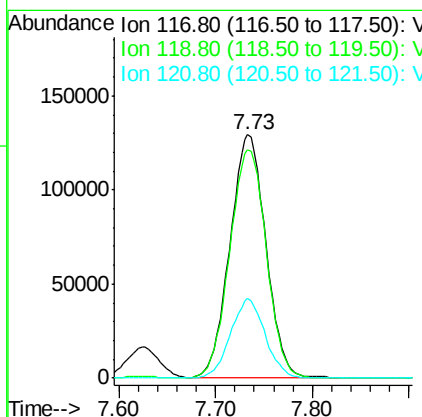
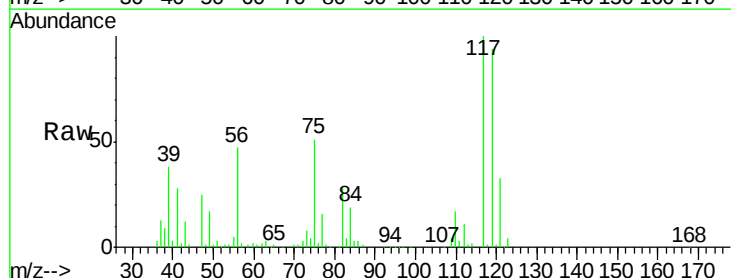
Manual Integrations
APPROVED

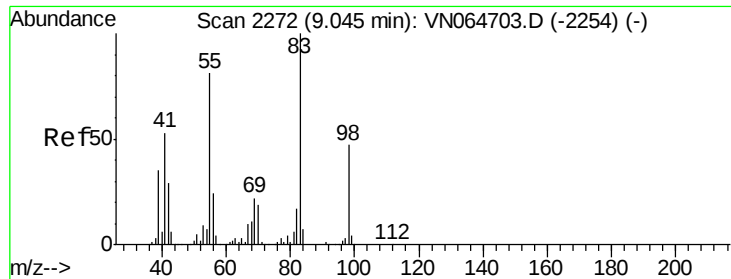
MMDadoda
11/24/2020 3:11:30 PM



#38
Carbon Tetrachloride
Concen: 49.105 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN064750.D
Acq: 19 Nov 2020 22:02

Tgt Ion	117	Resp	332152
Ion Ratio	100	Lower	Upper
117	100		
119	93.9	77.8	116.6
121	32.7	24.9	37.3





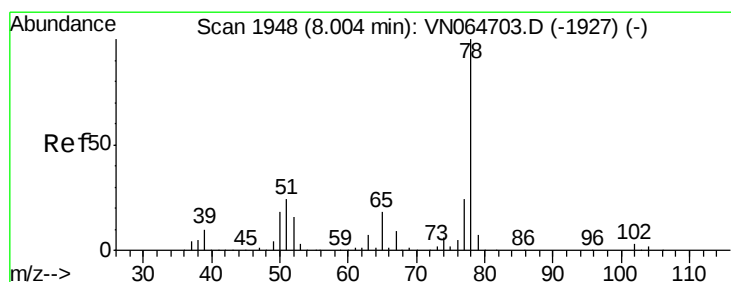
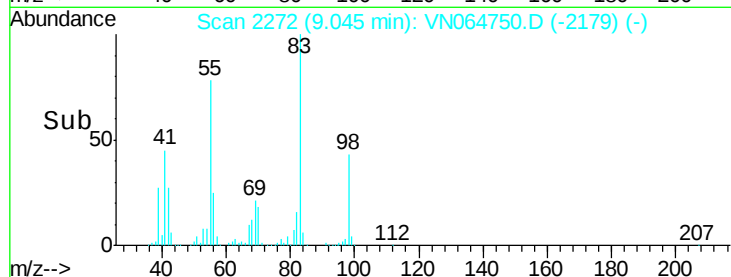
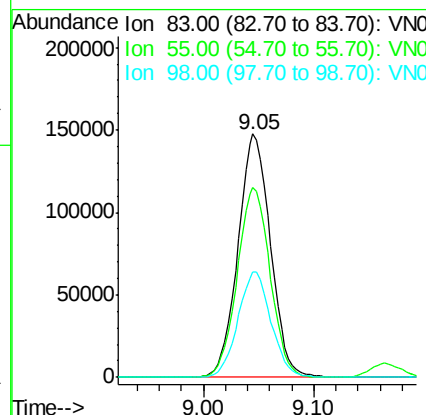
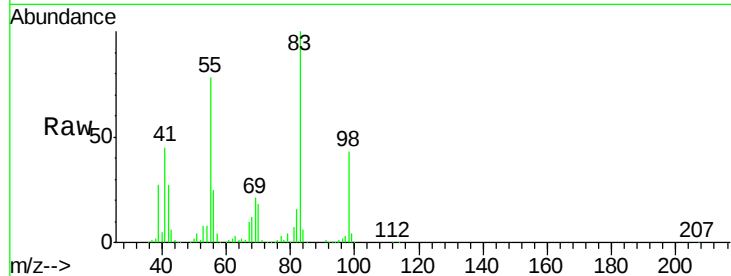
#39
Methvlcvclohexane
Concen: 53.347 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN064750.D
Acq: 19 Nov 2020 22:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.0	64.6	97.0
98	43.4	37.7	56.5

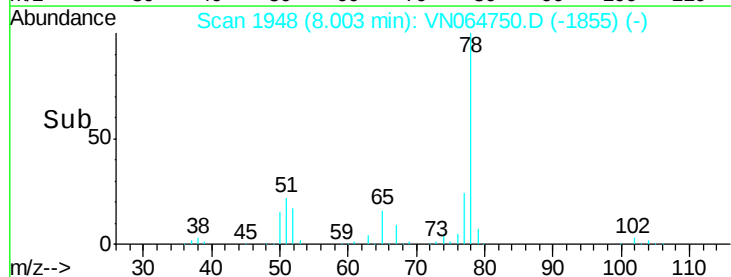
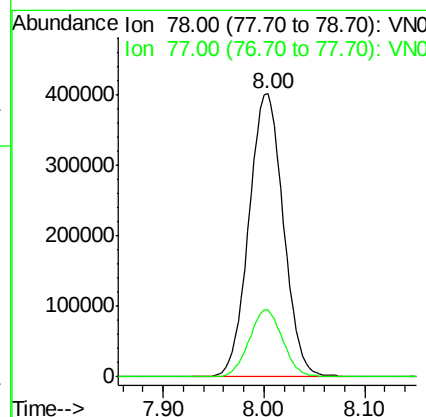
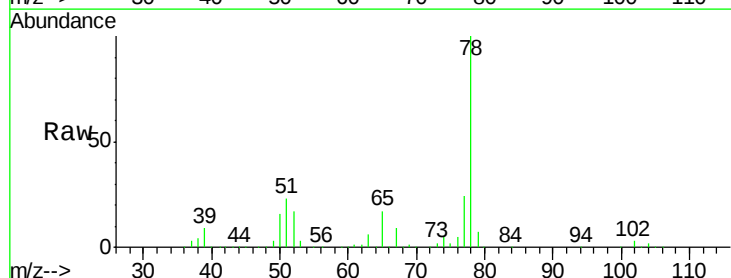
Manual Integrations
APPROVED

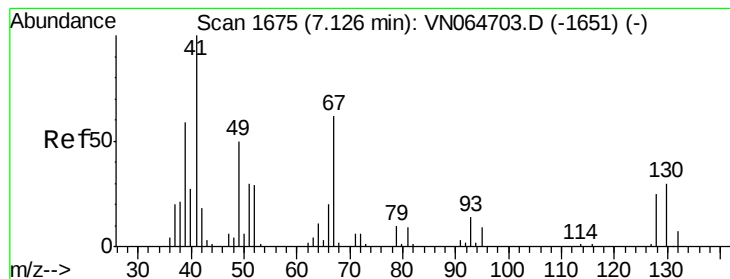
MMDadoda
11/24/2020 3:11:30 PM



#40
Benzene
Concen: 53.519 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN064750.D
Acq: 19 Nov 2020 22:02

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.2	28.8





#41

Methacrylonitrile

Concen: 62.418 ug/l

RT: 7.13 min Scan# 1675

Delta R.T. -0.00 min

Lab File: VN064750.D

Acq: 19 Nov 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 152466

Ion Ratio Lower Upper

41 100

39 59.0 46.0 69.0

67 76.7 67.0 100.4

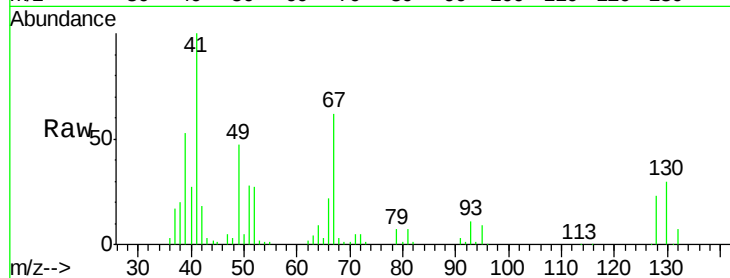
52 32.4 31.7 47.5

Manual Integrations

APPROVED

MMDadoda

11/24/2020 3:11:30 PM

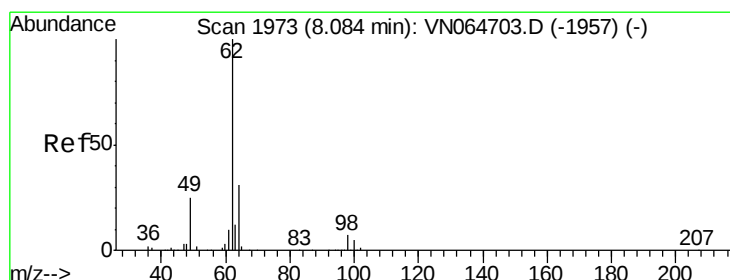
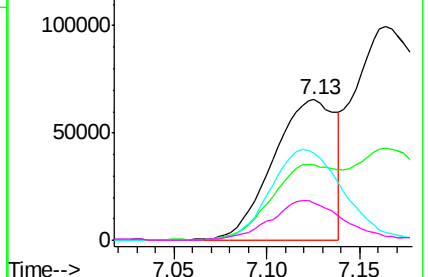
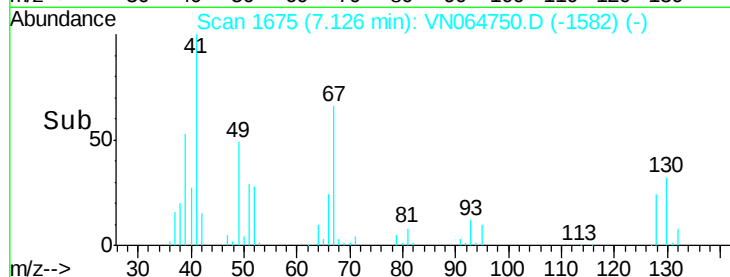


Abundance Ion 41.00 (40.70 to 41.70): VN064750.D (-1582) (-)

Ion 39.00 (38.70 to 39.70): VN064750.D (-1582) (-)

Ion 67.00 (66.70 to 67.70): VN064750.D (-1582) (-)

Ion 52.00 (51.70 to 52.70): VN064750.D (-1582) (-)



#42

1,2-Dichloroethane

Concen: 46.064 ug/l

RT: 8.08 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VN064750.D

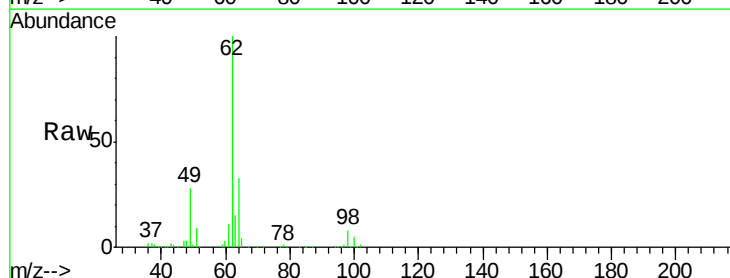
Acq: 19 Nov 2020 22:02

Tgt Ion: 62 Resp: 351474

Ion Ratio Lower Upper

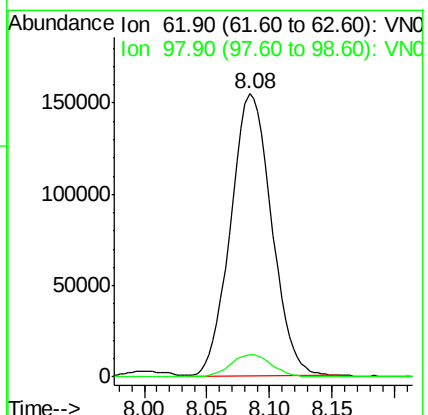
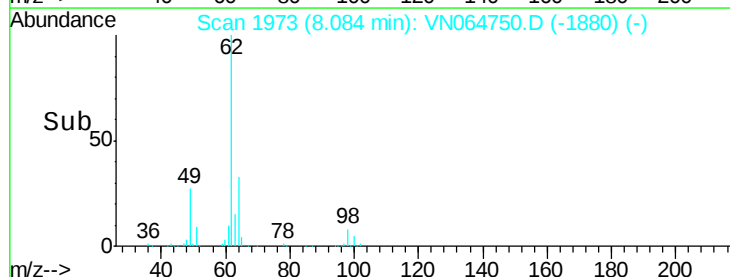
62 100

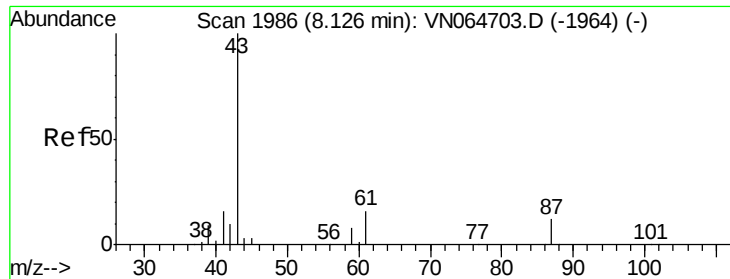
98 8.0 0.0 13.6



Abundance Ion 61.90 (61.60 to 62.60): VN064750.D (-1880) (-)

Ion 97.90 (97.60 to 98.60): VN064750.D (-1880) (-)





#43

Isopropyl Acetate

Concen: 48.993 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN064750.D

Acq: 19 Nov 2020 22:02

Instrument :

MSVOA_N

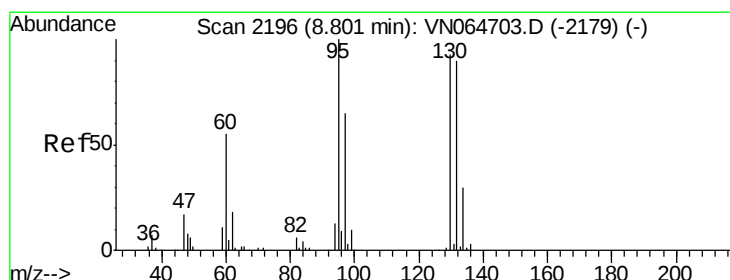
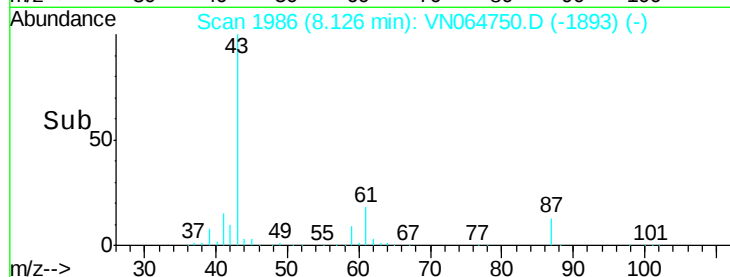
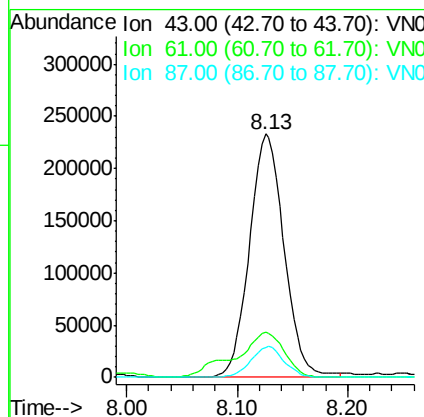
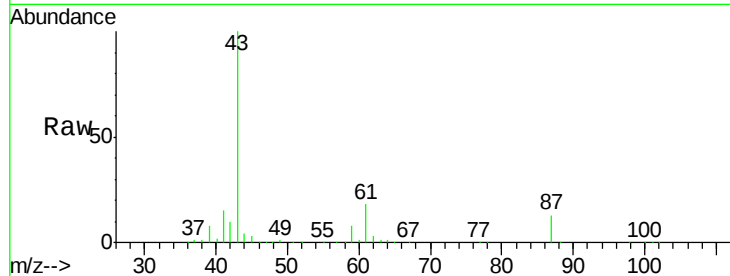
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	506088
Ion	Ratio	Lower	Upper
43	100		
61	26.0	14.1	21.1#
87	12.3	9.1	13.7

Manual Integrations
APPROVED

MMDadoda
11/24/2020 3:11:30 PM



#44

Trichloroethene

Concen: 49.266 ug/l

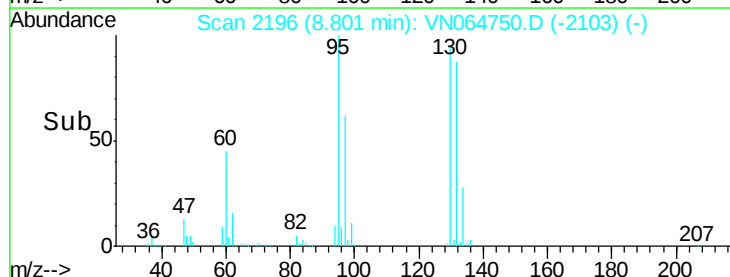
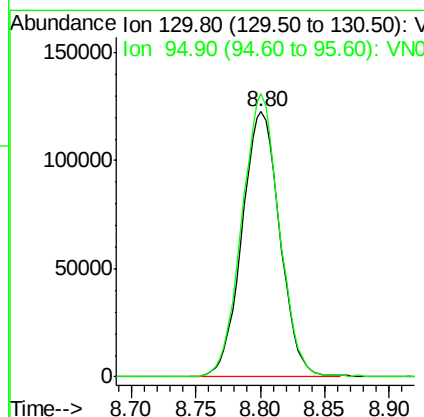
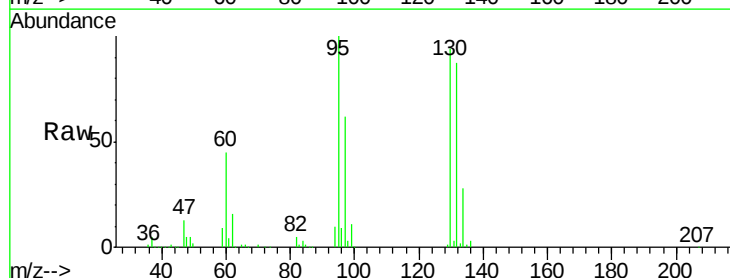
RT: 8.80 min Scan# 2196

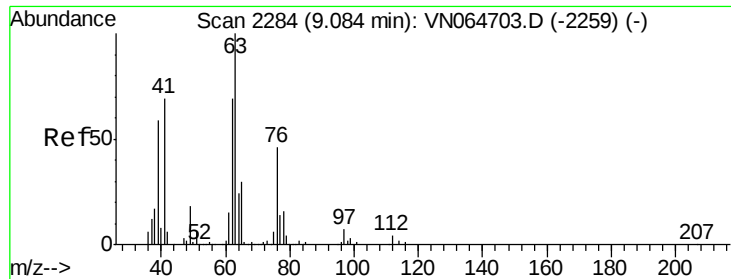
Delta R.T. -0.00 min

Lab File: VN064750.D

Acq: 19 Nov 2020 22:02

Tgt Ion:	130	Resp:	250731
Ion	Ratio	Lower	Upper
130	100		
95	106.8	0.0	214.2





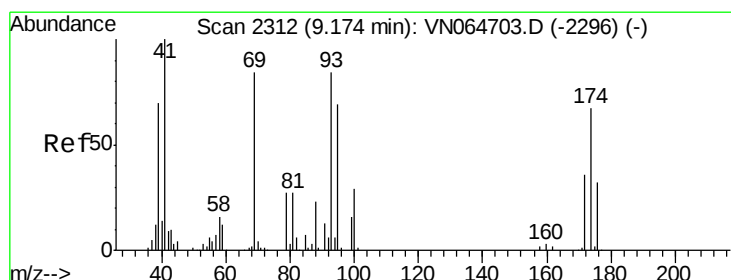
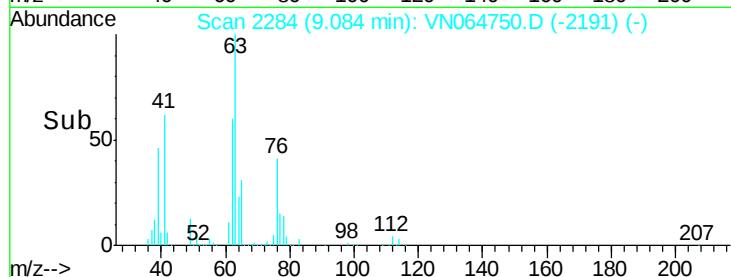
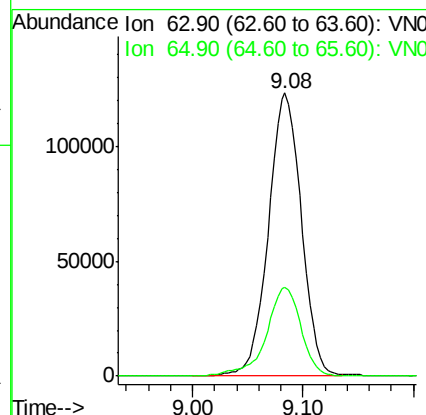
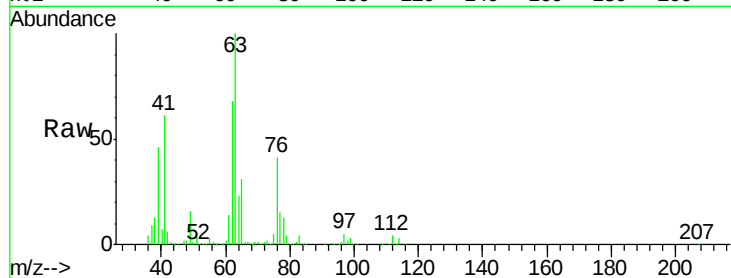
#45
 1,2-Dichloropropane
 Concen: 53.946 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN064750.D
 Acq: 19 Nov 2020 22:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 255003
 Ion Ratio Lower Upper
 63 100
 65 31.3 24.0 36.0

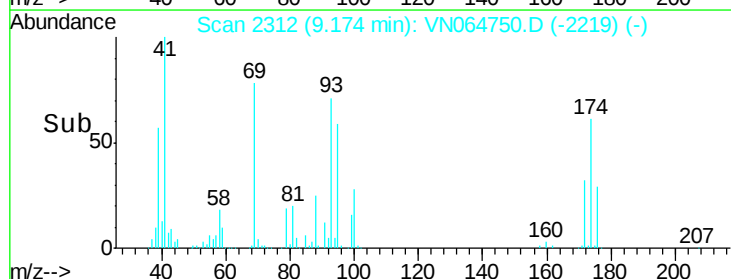
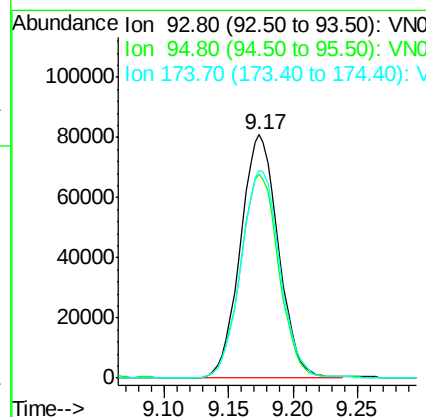
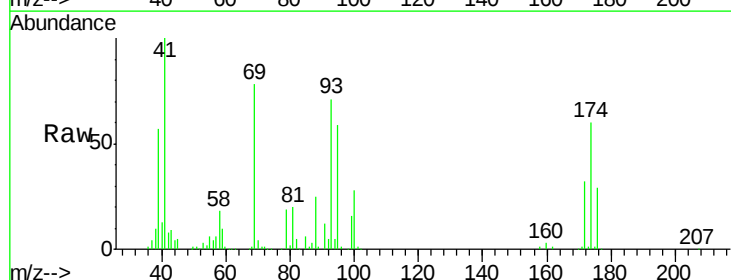
Manual Integrations
 APPROVED

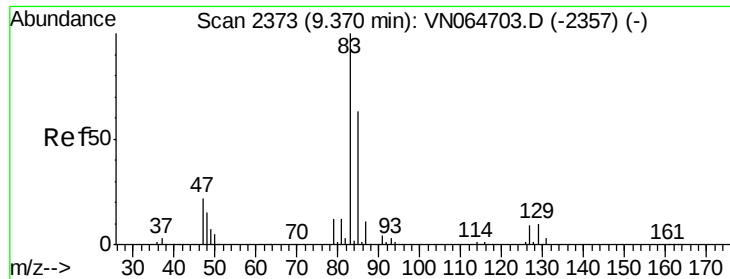
MMDadoda
 11/24/2020 3:11:30 PM



#46
 Dibromomethane
 Concen: 49.476 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN064750.D
 Acq: 19 Nov 2020 22:02

Tgt Ion: 93 Resp: 165782
 Ion Ratio Lower Upper
 93 100
 95 84.7 64.6 97.0
 174 87.7 64.3 96.5





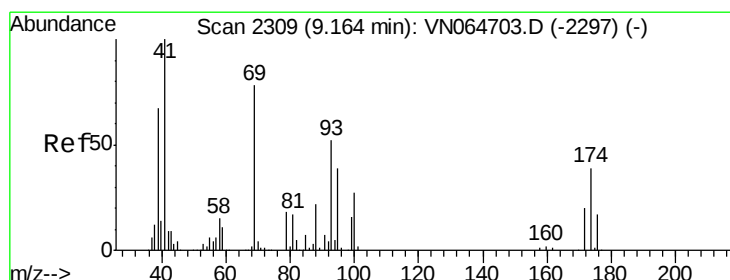
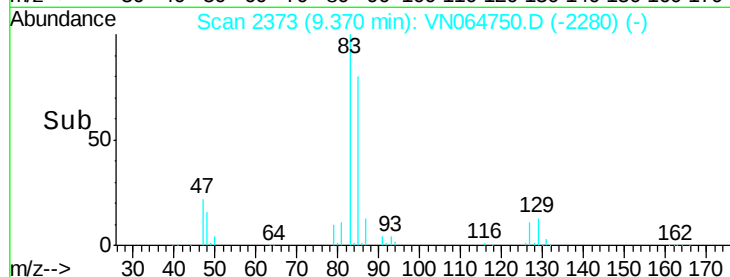
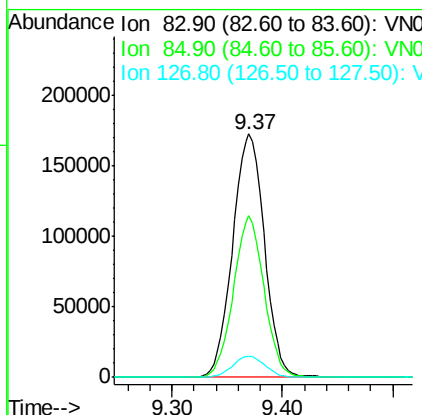
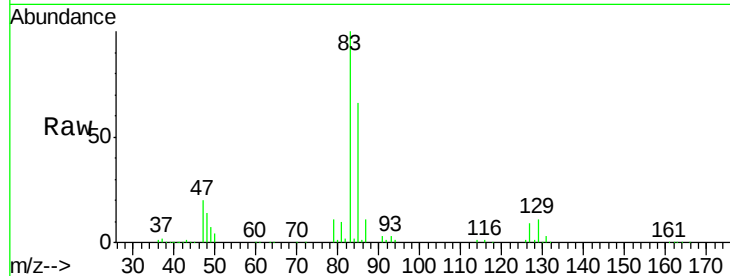
#47
Bromodichloromethane
Concen: 49.142 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN064750.D
Acq: 19 Nov 2020 22:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
85	66.3	50.8	76.2
127	8.8	7.0	10.4

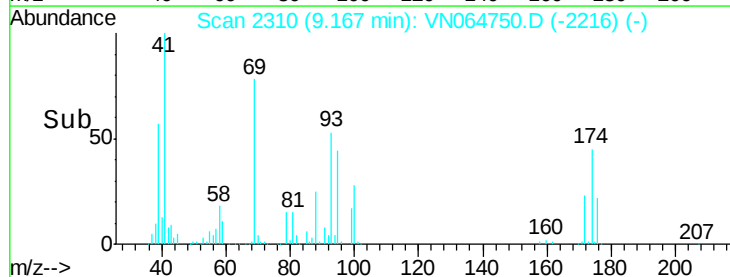
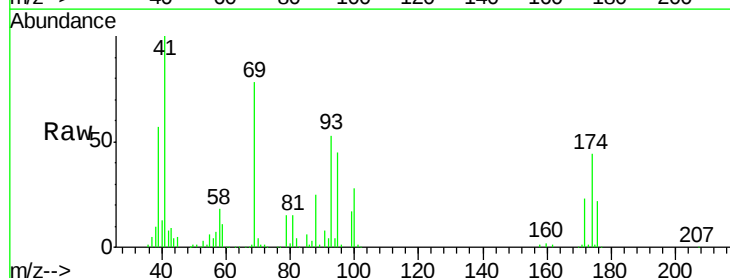
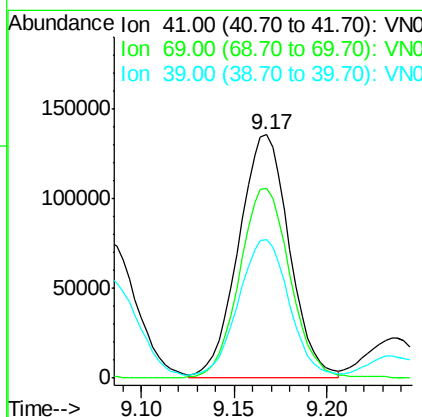
Manual Integrations
APPROVED

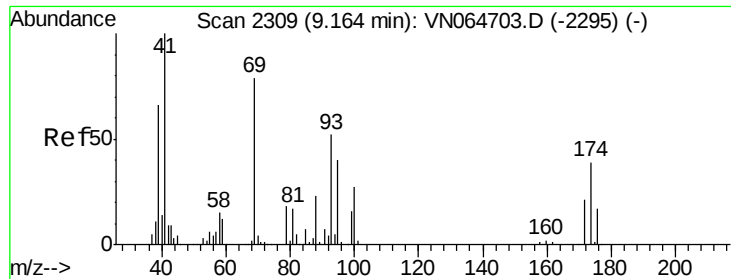
MMDadoda
11/24/2020 3:11:30 PM



#48
Methyl methacrylate
Concen: 52.834 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN064750.D
Acq: 19 Nov 2020 22:02

Tgt Ion	Ratio	Lower	Upper
41	100		
69	78.6	62.3	93.5
39	57.6	55.1	82.7





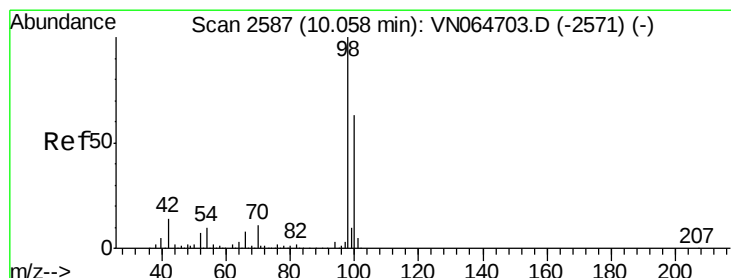
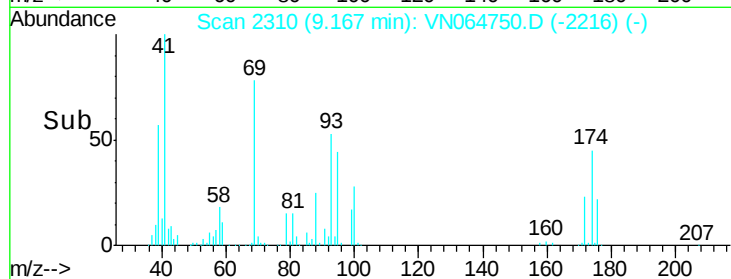
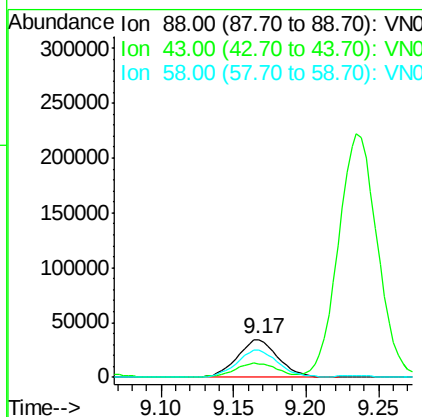
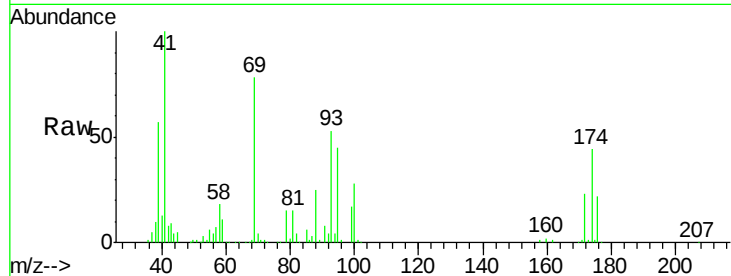
#49
1,4-Dioxane
Concen: 1107.754 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN064750.D
Acq: 19 Nov 2020 22:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.9	31.3	46.9
58	73.5	55.7	83.5

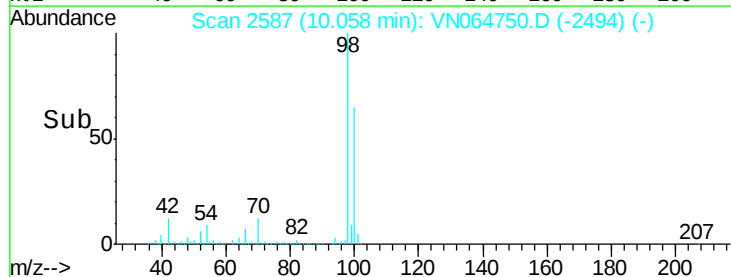
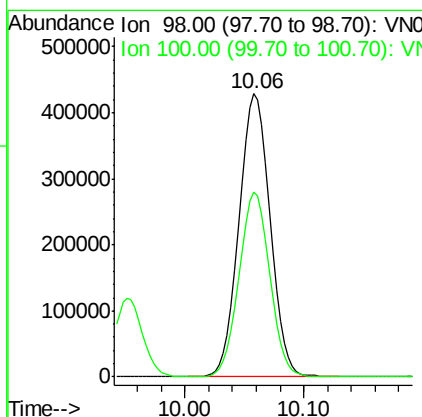
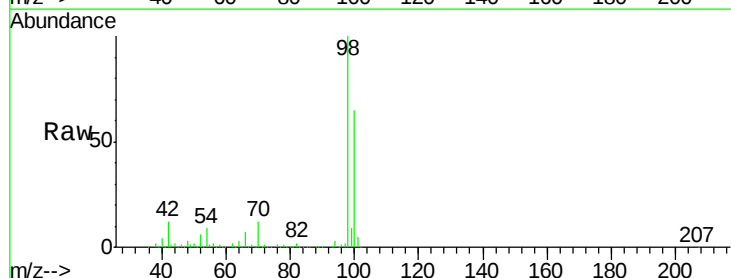
Manual Integrations
APPROVED

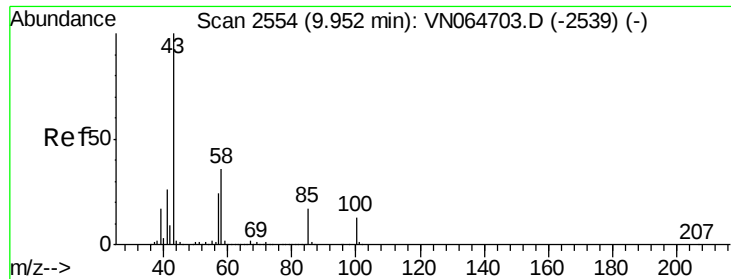
MMDadoda
11/24/2020 3:11:30 PM



#50
Toluene-d8
Concen: 48.698 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN064750.D
Acq: 19 Nov 2020 22:02

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	50.4	75.6





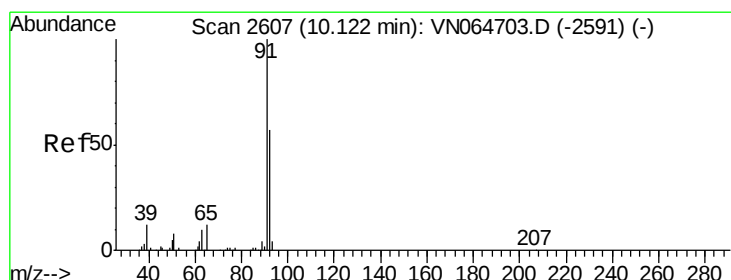
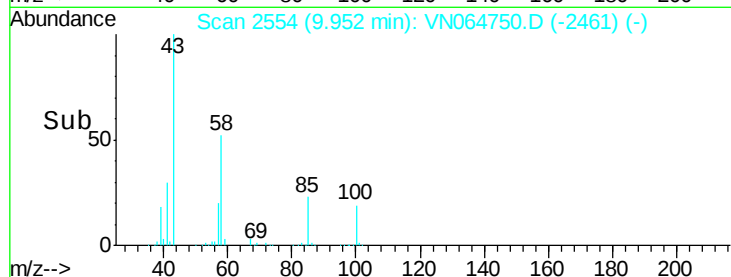
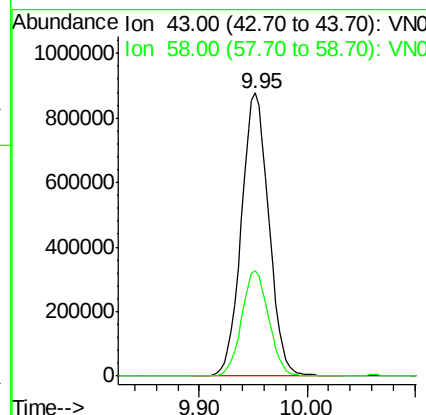
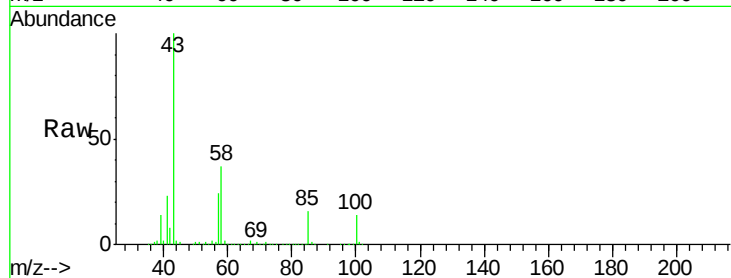
#51
4-Methyl-2-Pentanone
Concen: 249.351 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN064750.D
Acq: 19 Nov 2020 22:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1554763
Ion Ratio Lower Upper
43 100
58 36.9 28.5 42.7

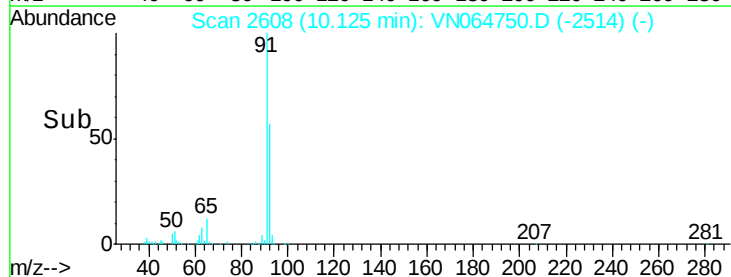
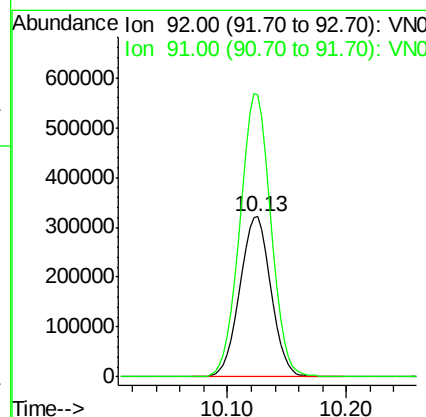
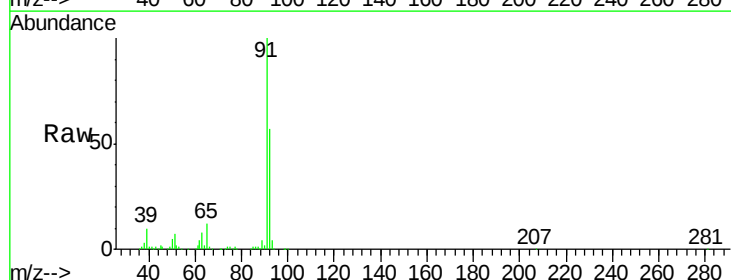
Manual Integrations
APPROVED

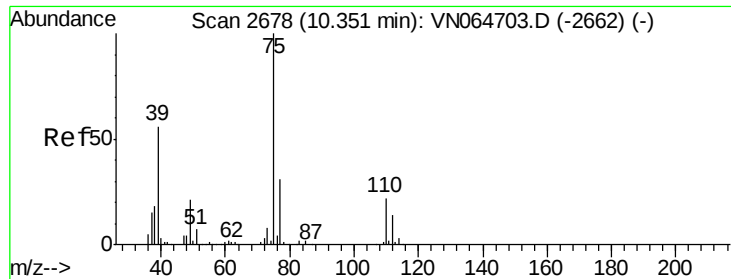
MMDadoda
11/24/2020 3:11:30 PM



#52
Toluene
Concen: 53.395 ug/l
RT: 10.13 min Scan# 2608
Delta R.T. 0.00 min
Lab File: VN064750.D
Acq: 19 Nov 2020 22:02

Tgt Ion: 92 Resp: 583189
Ion Ratio Lower Upper
92 100
91 175.5 141.2 211.8





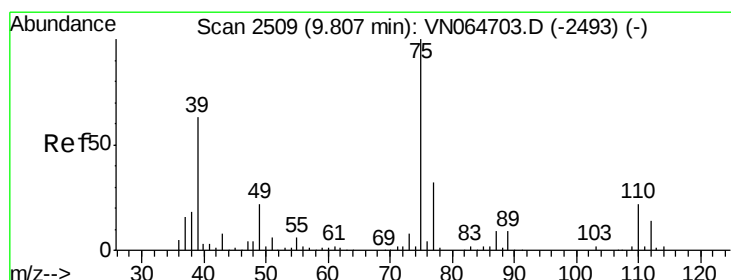
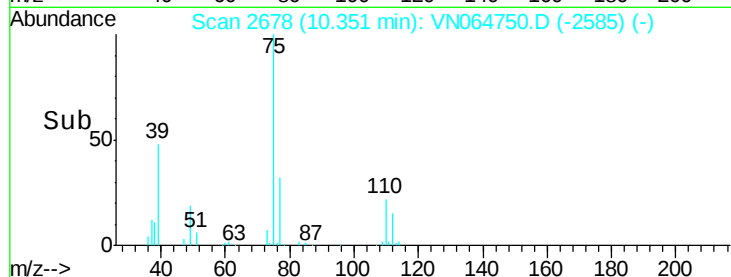
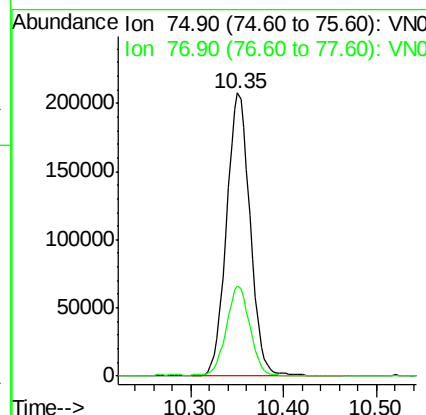
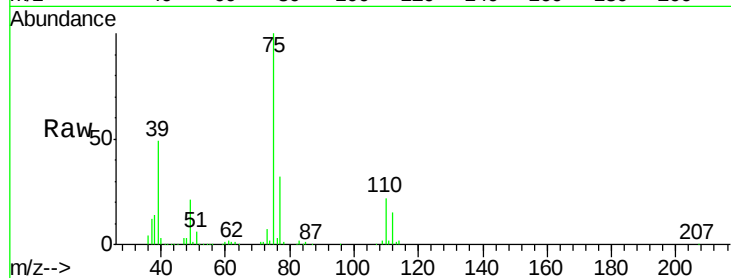
#53
 t-1,3-Dichloropropene
 Concen: 48.513 ug/l
 RT: 10.35 min Scan# 2678
 Delta R.T. -0.00 min
 Lab File: VN064750.D
 Acq: 19 Nov 2020 22:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 365738
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.4 38.0

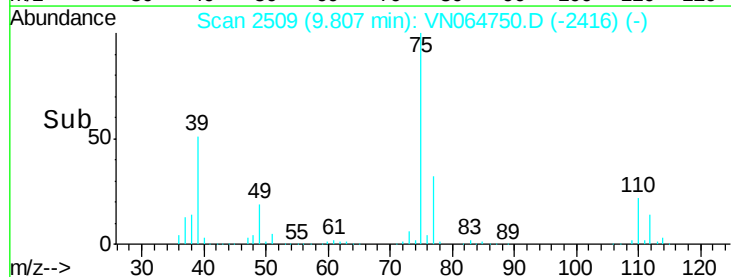
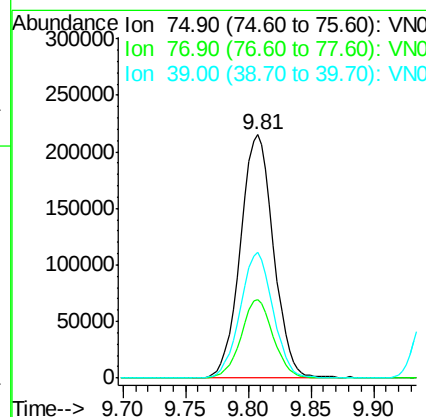
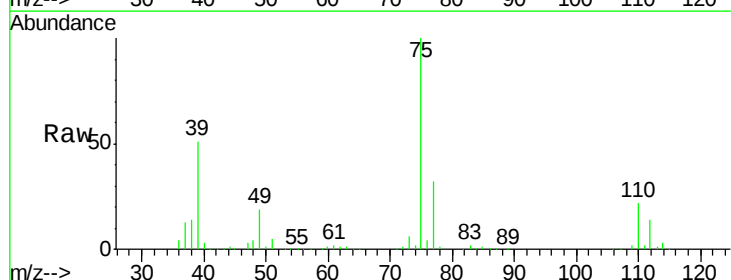
Manual Integrations
 APPROVED

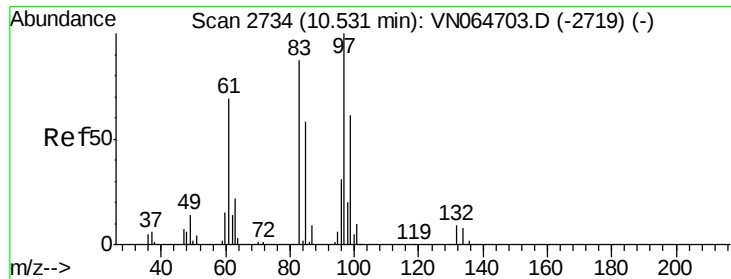
MMDadoda
 11/24/2020 3:11:30 PM



#54
 cis-1,3-Dichloropropene
 Concen: 50.819 ug/l
 RT: 9.81 min Scan# 2509
 Delta R.T. -0.00 min
 Lab File: VN064750.D
 Acq: 19 Nov 2020 22:02

Tgt Ion: 75 Resp: 394494
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.8 38.8
 39 51.3 50.5 75.7





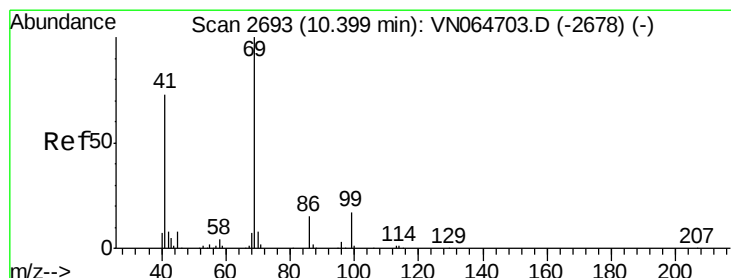
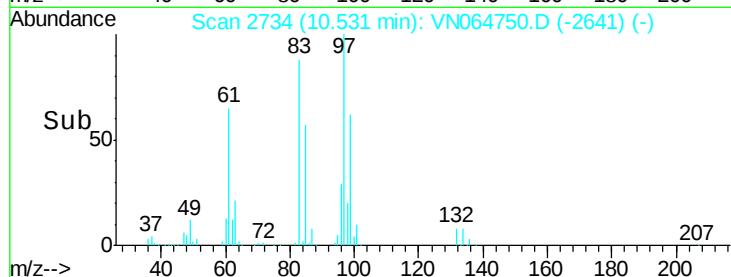
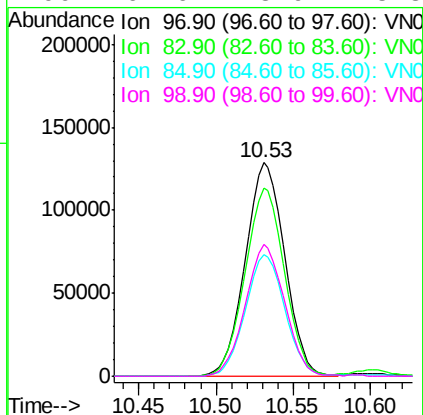
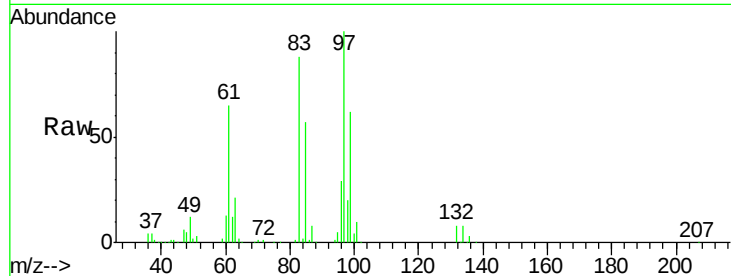
#55
 1,1,2-Trichloroethane
 Concen: 52.170 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN064750.D
 Acq: 19 Nov 2020 22:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		228546		
83	88.1	69.6	104.4		
85	56.9	46.6	70.0		
99	61.6	48.9	73.3		

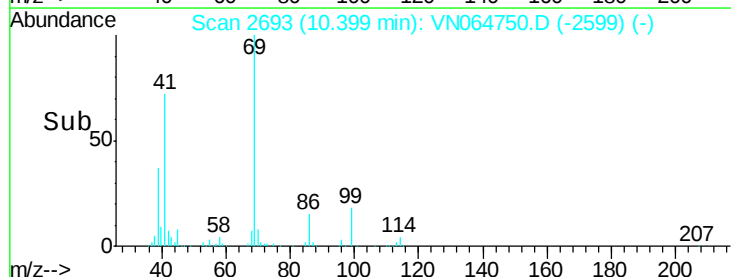
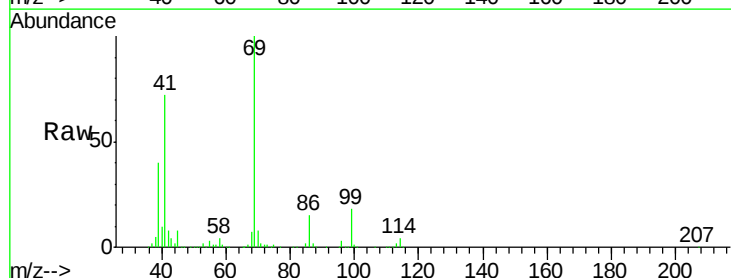
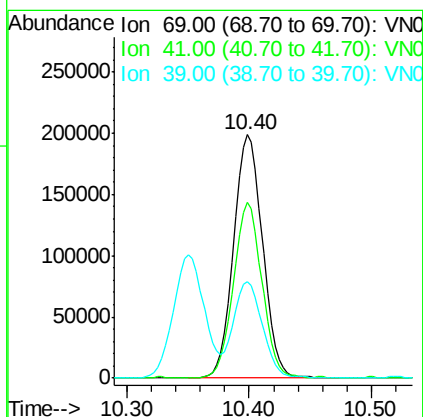
Manual Integrations
 APPROVED

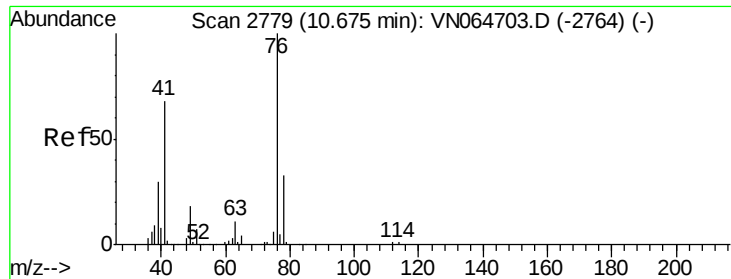
MMDadoda
 11/24/2020 3:11:30 PM



#56
 Ethyl methacrylate
 Concen: 45.863 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN064750.D
 Acq: 19 Nov 2020 22:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		328119		
41	70.3	59.0	88.4		
39	39.9	38.4	57.6		





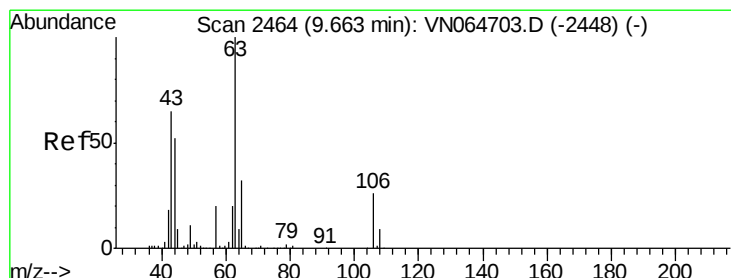
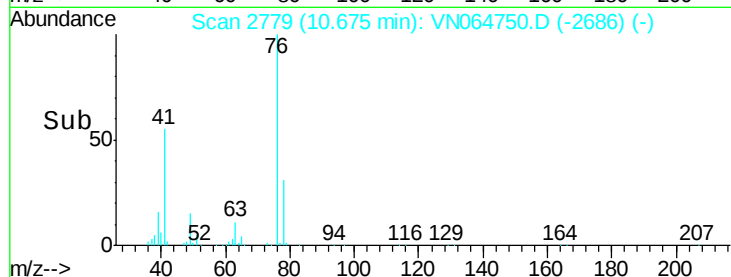
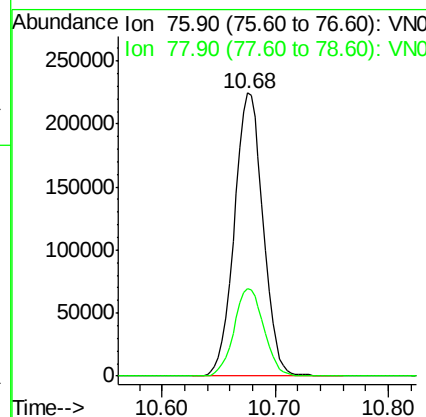
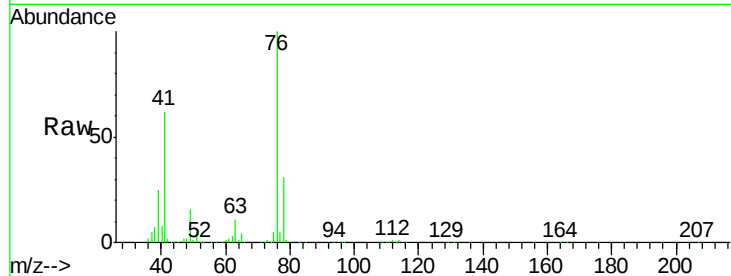
#57
 1,3-Dichloropropane
 Concen: 52.250 ug/l
 RT: 10.68 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN064750.D
 Acq: 19 Nov 2020 22:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 396499
 Ion Ratio Lower Upper
 76 100
 78 32.1 26.4 39.6

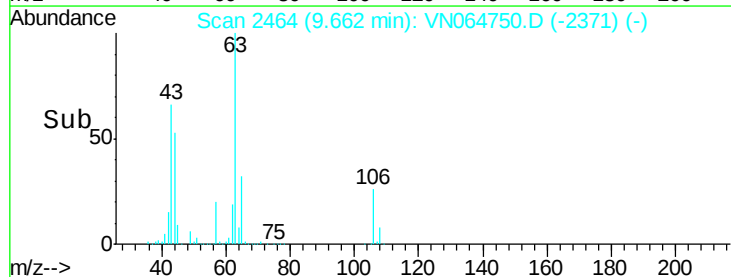
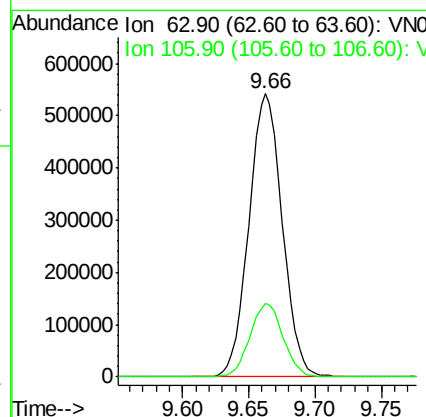
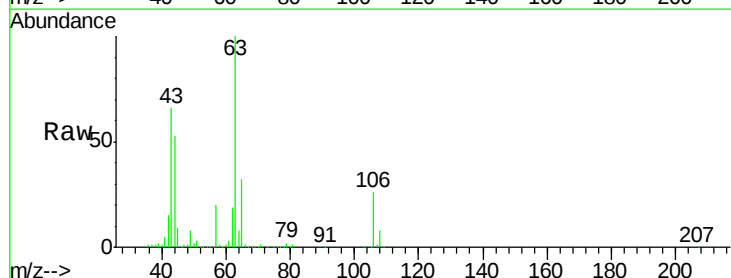
Manual Integrations
 APPROVED

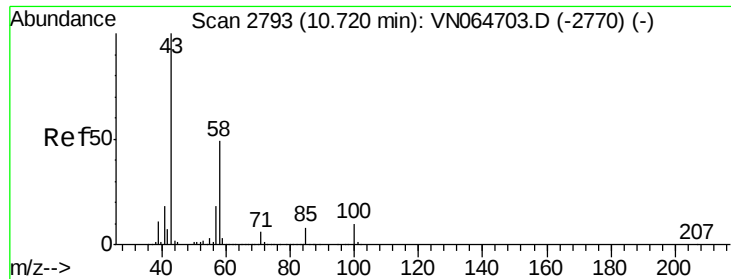
MMDadoda
 11/24/2020 3:11:30 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 241.454 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN064750.D
 Acq: 19 Nov 2020 22:02

Tgt Ion: 63 Resp: 947500
 Ion Ratio Lower Upper
 63 100
 106 25.8 20.9 31.3





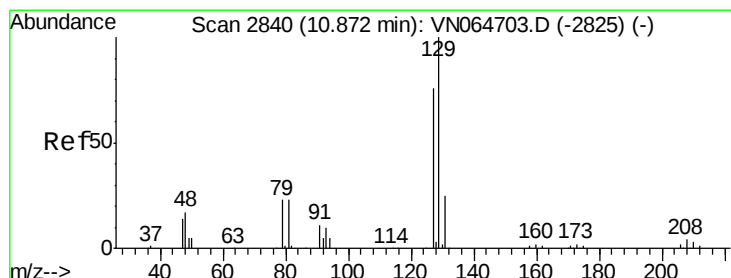
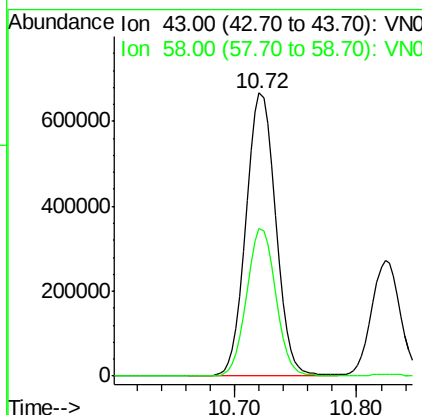
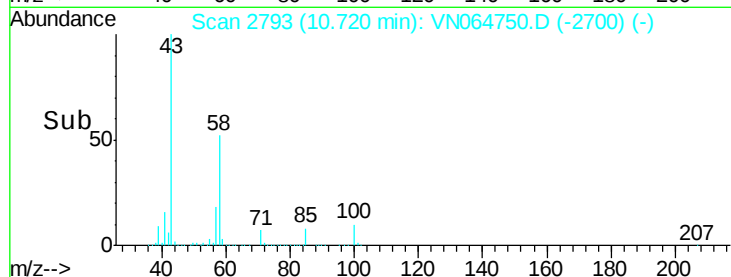
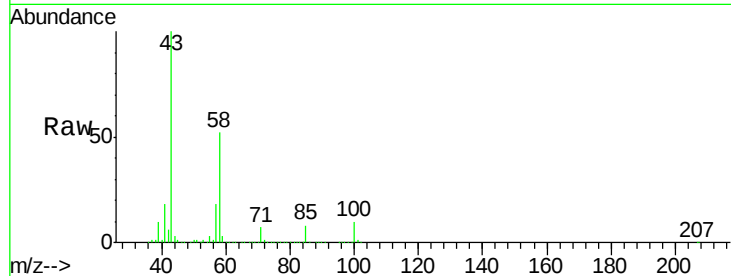
#59
2-Hexanone
Concen: 243.930 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN064750.D
Acq: 19 Nov 2020 22:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1116422
Ion Ratio Lower Upper
43 100
58 51.1 24.4 73.4

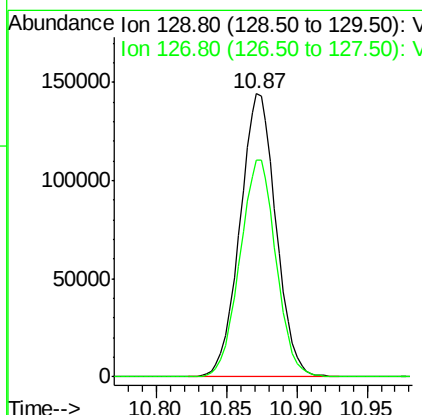
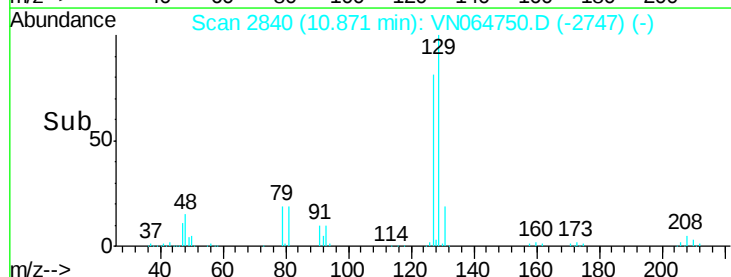
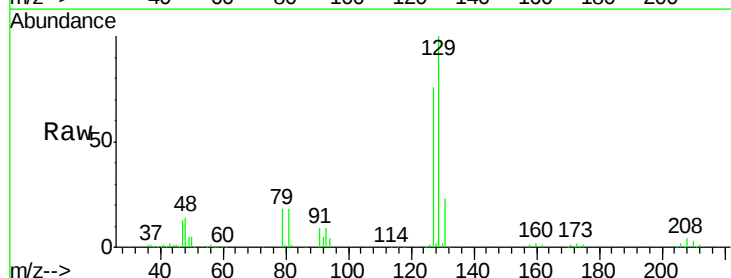
Manual Integrations
APPROVED

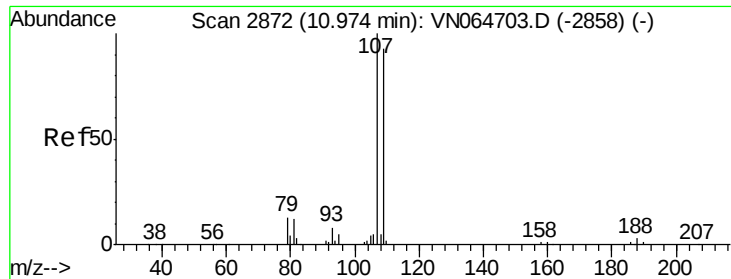
MMDadoda
11/24/2020 3:11:30 PM



#60
Dibromochloromethane
Concen: 50.871 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064750.D
Acq: 19 Nov 2020 22:02

Tgt Ion: 129 Resp: 257475
Ion Ratio Lower Upper
129 100
127 77.0 38.8 116.4





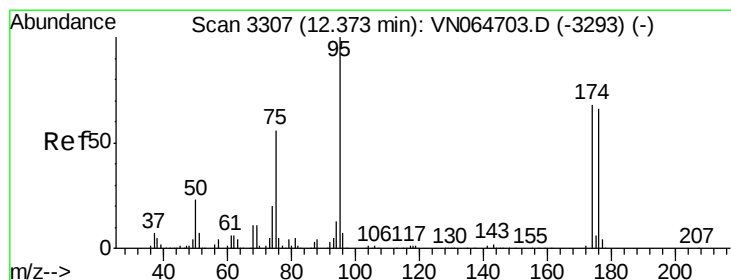
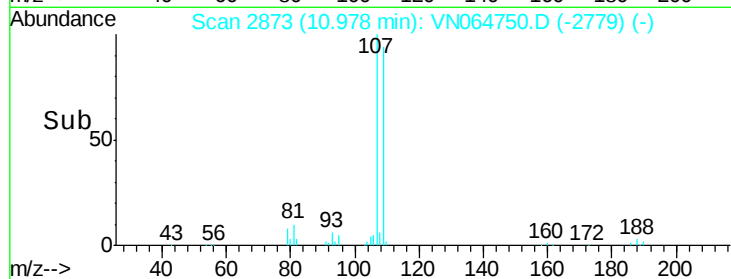
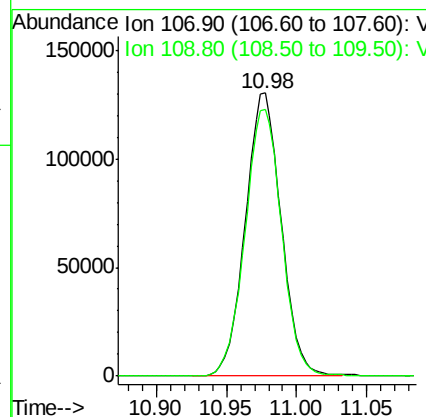
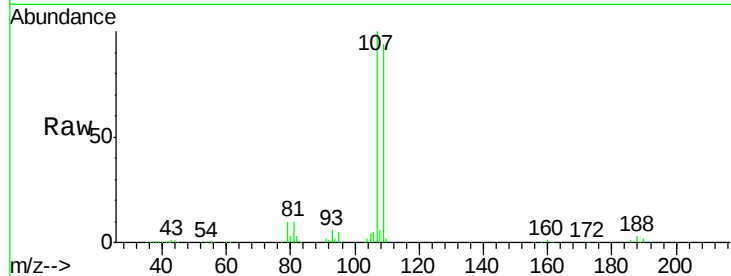
#61
 1,2-Dibromoethane
 Concen: 49.740 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN064750.D
 Acq: 19 Nov 2020 22:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.1	74.2	111.4

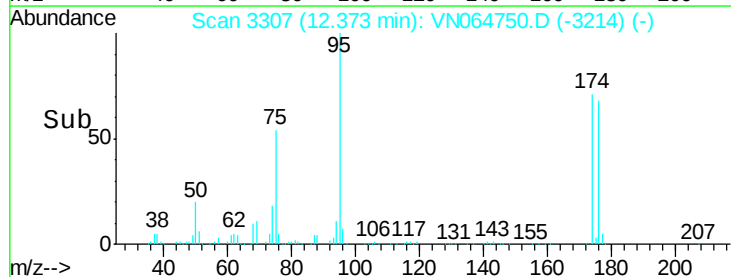
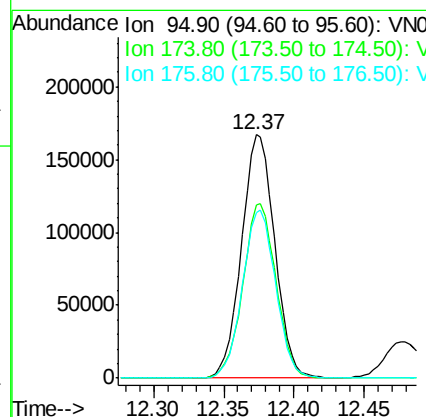
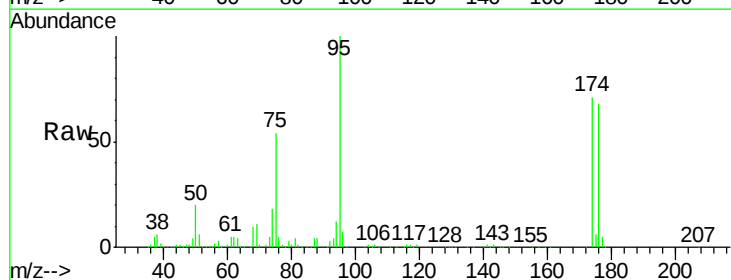
Manual Integrations
 APPROVED

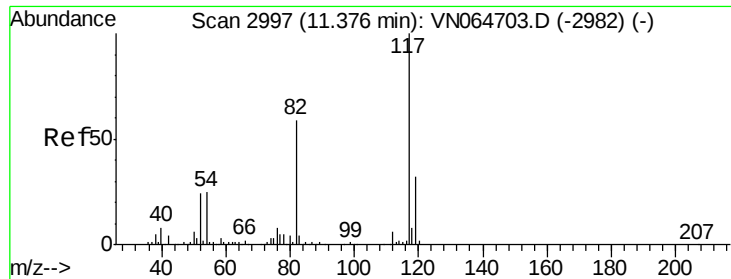
MMDadoda
 11/24/2020 3:11:30 PM



#62
 4-Bromofluorobenzene
 Concen: 46.236 ug/l
 RT: 12.37 min Scan# 3307
 Delta R.T. -0.00 min
 Lab File: VN064750.D
 Acq: 19 Nov 2020 22:02

Tgt Ion	Ratio	Lower	Upper
95	100		
174	71.6	0.0	136.8
176	68.8	0.0	134.2





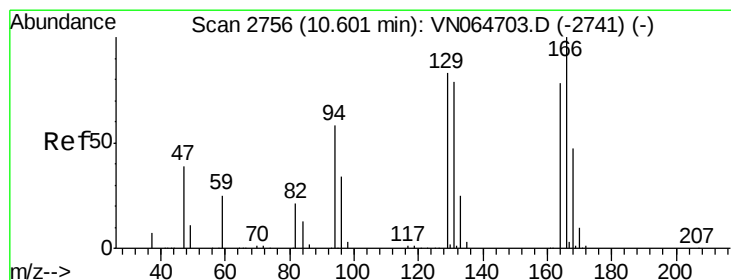
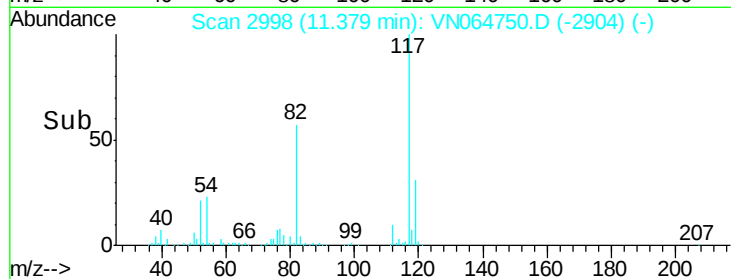
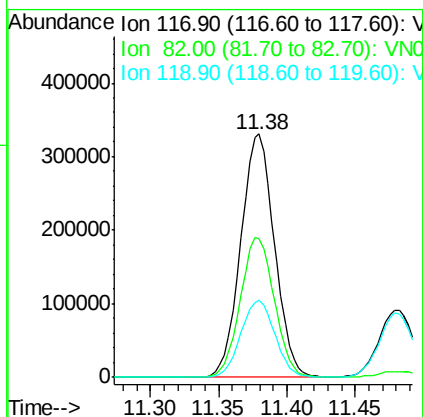
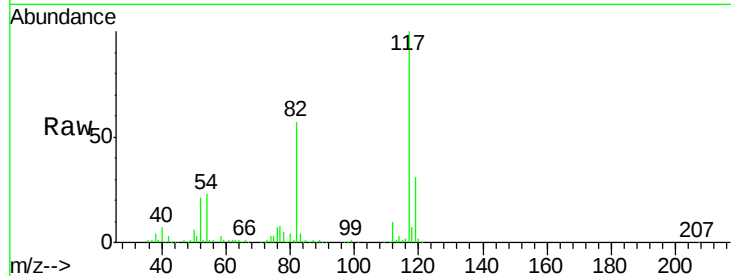
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064750.D
Acq: 19 Nov 2020 22:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.2	47.0	70.6
119	31.5	25.4	38.2

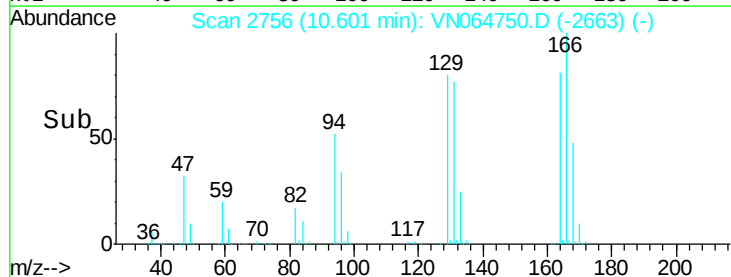
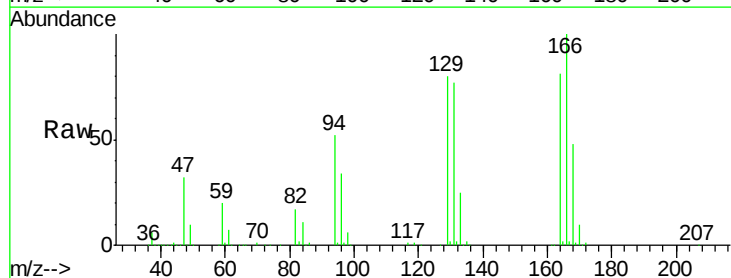
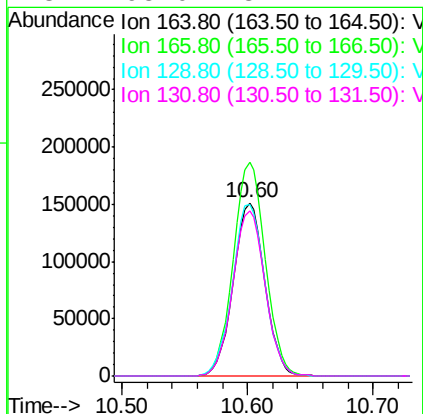
Manual Integrations
APPROVED

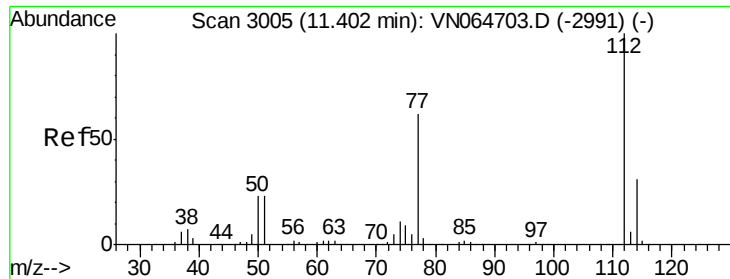
MMDadoda
11/24/2020 3:11:30 PM



#64
Tetrachloroethene
Concen: 52.266 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN064750.D
Acq: 19 Nov 2020 22:02

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.1	102.2	153.4
129	99.0	84.7	127.1
131	95.0	81.1	121.7





#65

Chlorobenzene

Concen: 49.844 ug/l

RT: 11.41 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VN064750.D

Acq: 19 Nov 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 603040

Ion Ratio Lower Upper

112 100

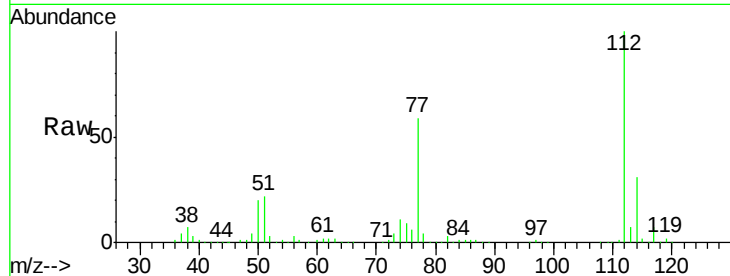
114 31.5 24.7 37.1

Manual Integrations

APPROVED

MMDadoda

11/24/2020 3:11:30 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.41

400000

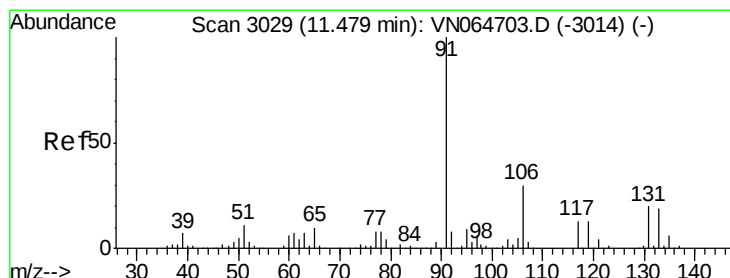
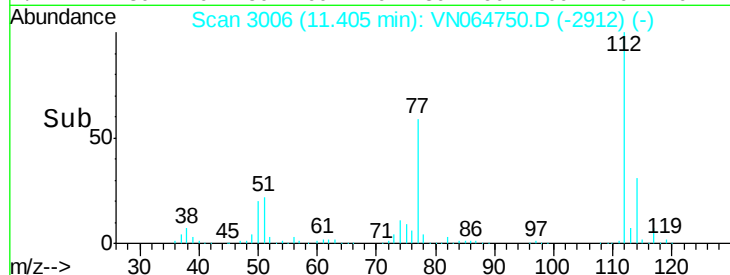
300000

200000

100000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 50.846 ug/l

RT: 11.48 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN064750.D

Acq: 19 Nov 2020 22:02

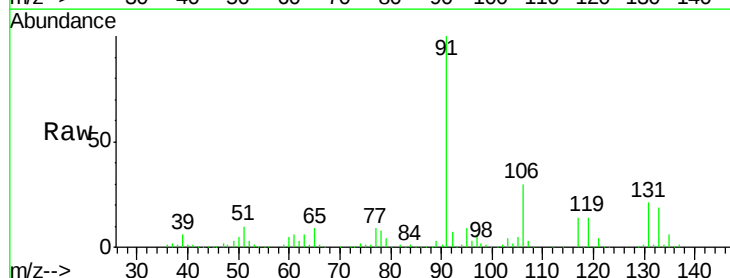
Tgt Ion:131 Resp: 229860

Ion Ratio Lower Upper

131 100

133 94.6 48.8 146.4

119 66.0 33.5 100.4



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

11.48

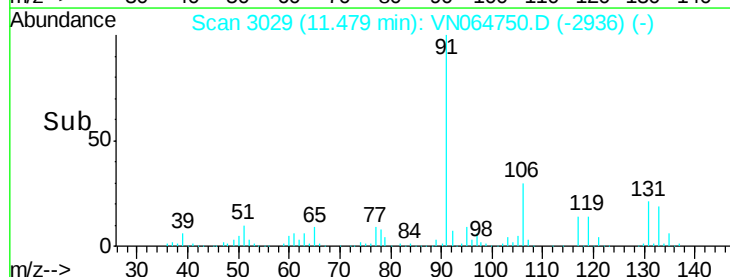
150000

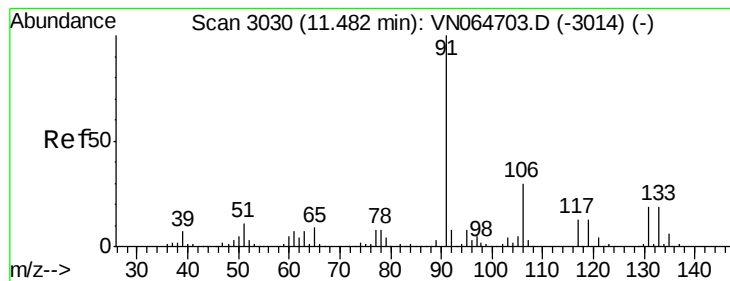
100000

50000

0

Time-->





#67

Ethyl Benzene

Concen: 51.572 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. -0.00 min

Lab File: VN064750.D

Acq: 19 Nov 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1100137

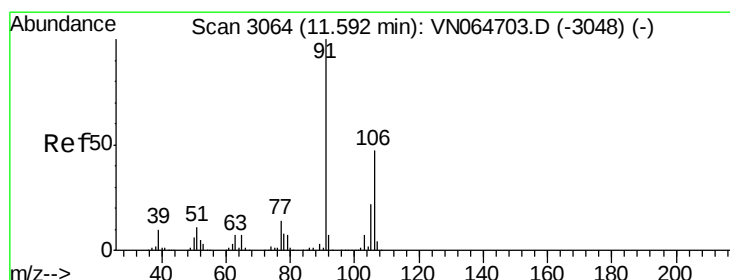
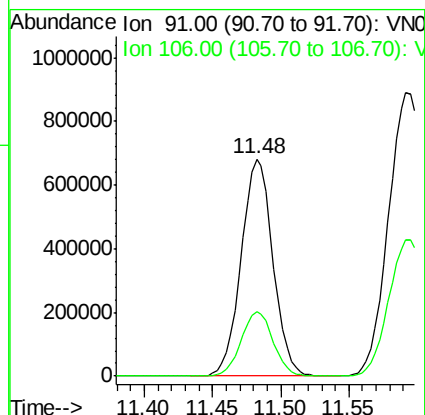
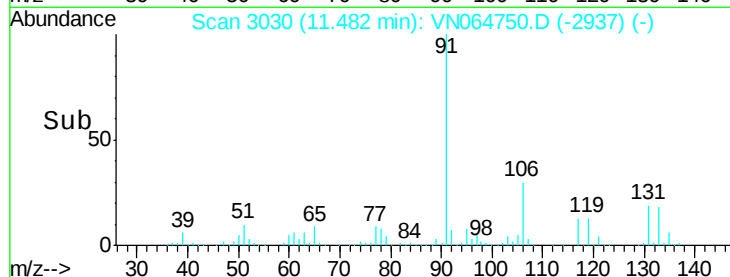
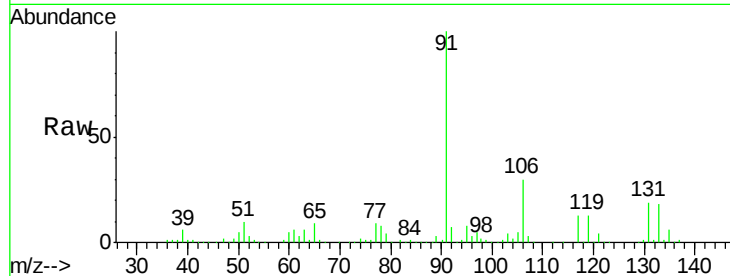
Ion Ratio Lower Upper

91 100

106 29.7 23.9 35.9

Manual Integrations
APPROVED

MMDadoda
11/24/2020 3:11:30 PM



#68

m/p-Xylenes

Concen: 95.551 ug/l

RT: 11.59 min Scan# 3065

Delta R.T. 0.00 min

Lab File: VN064750.D

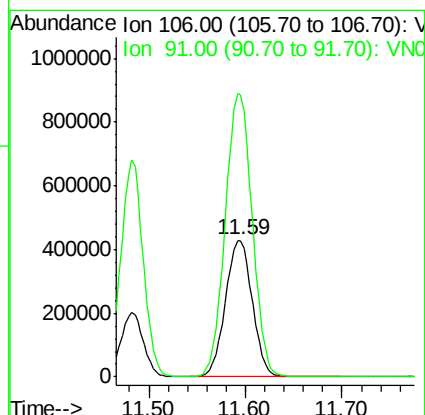
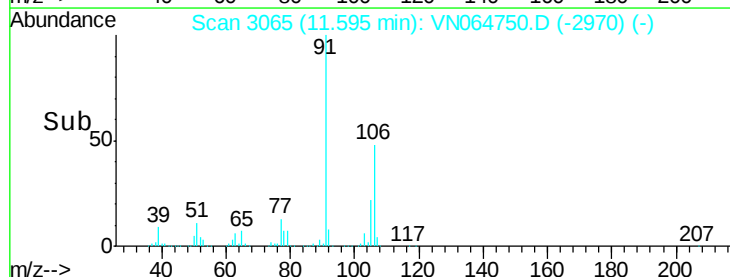
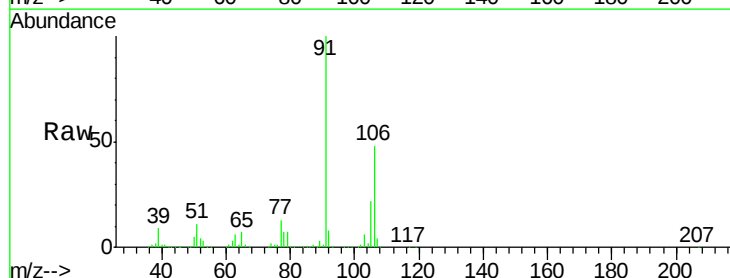
Acq: 19 Nov 2020 22:02

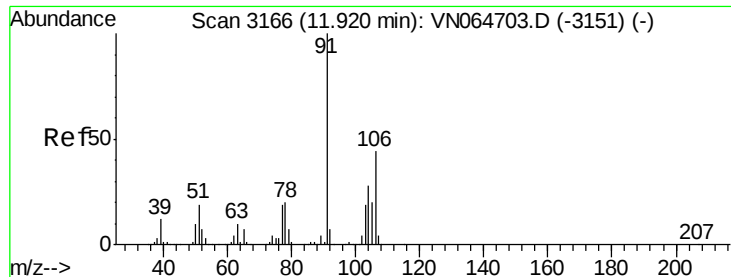
Tgt Ion: 106 Resp: 826056

Ion Ratio Lower Upper

106 100

91 208.4 171.9 257.9





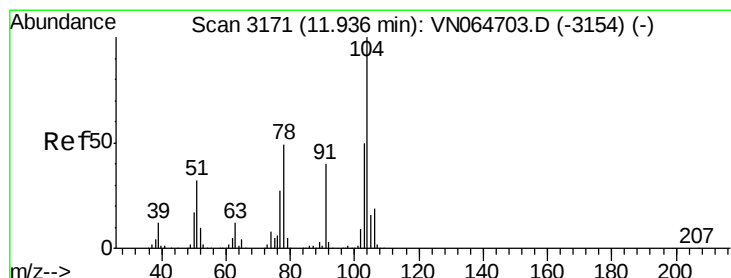
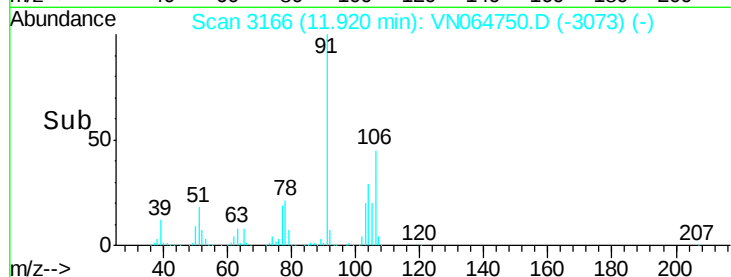
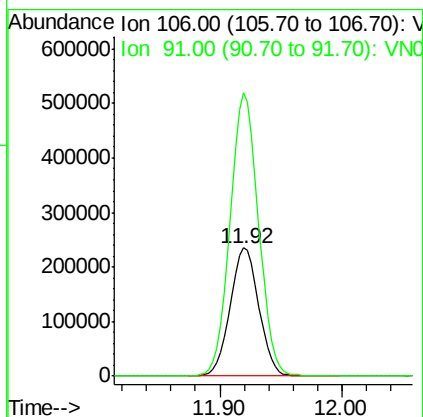
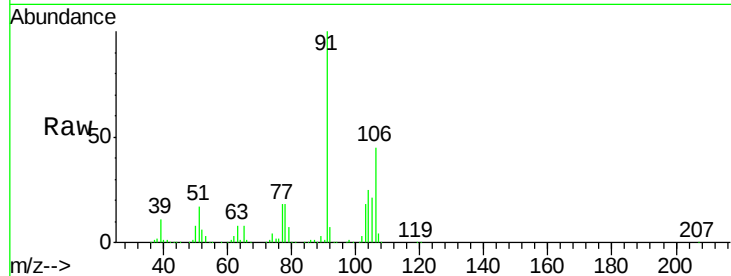
#69
o-Xylene
Concen: 51.754 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN064750.D
Acq: 19 Nov 2020 22:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	218.9	112.1	385166	336.3	

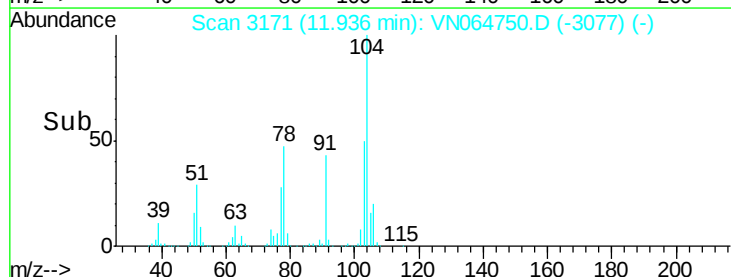
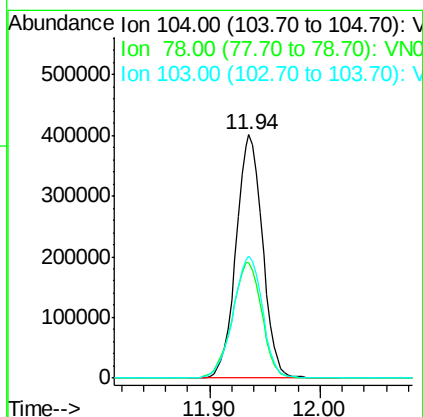
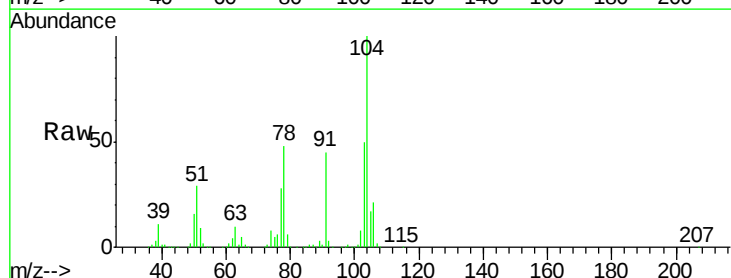
Manual Integrations
APPROVED

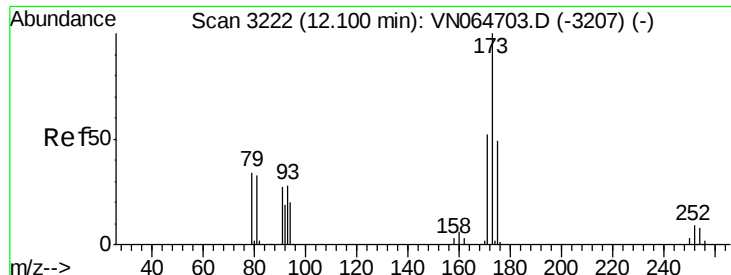
MMDadoda
11/24/2020 3:11:30 PM



#70
Styrene
Concen: 46.099 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VN064750.D
Acq: 19 Nov 2020 22:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	53.2	44.1	666089	66.1	
103	55.6	43.7		65.5	





#71

Bromoform

Concen: 45.691 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN064750.D

Acq: 19 Nov 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 159786

Ion Ratio Lower Upper

173 100

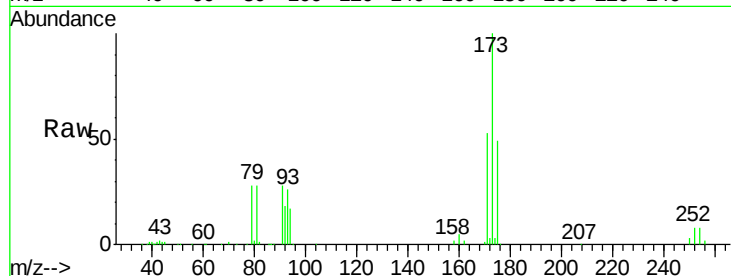
175 48.1 24.3 72.9

254 0.0 0.1 0.1#

Manual Integrations
APPROVED

MMDadoda

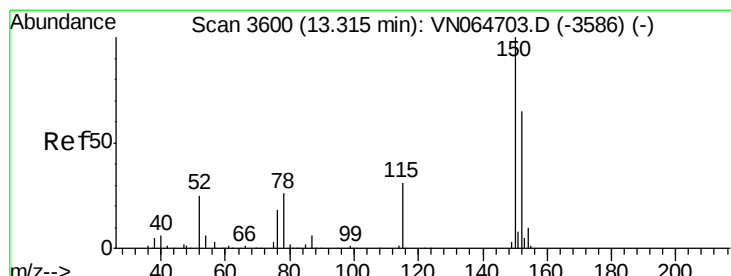
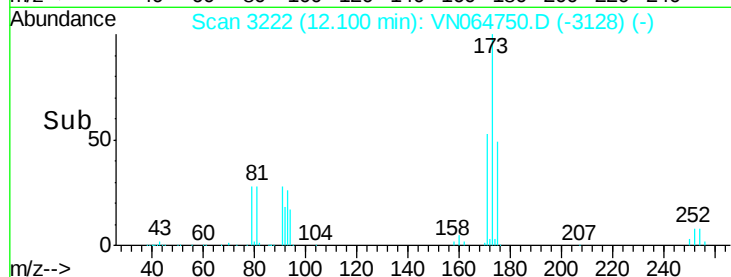
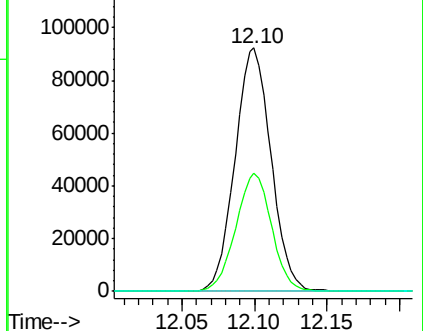
11/24/2020 3:11:30 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN064750.D

Acq: 19 Nov 2020 22:02

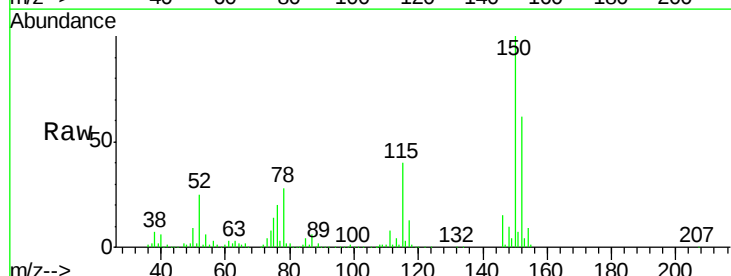
Tgt Ion:152 Resp: 245505

Ion Ratio Lower Upper

152 100

115 63.8 32.1 96.3

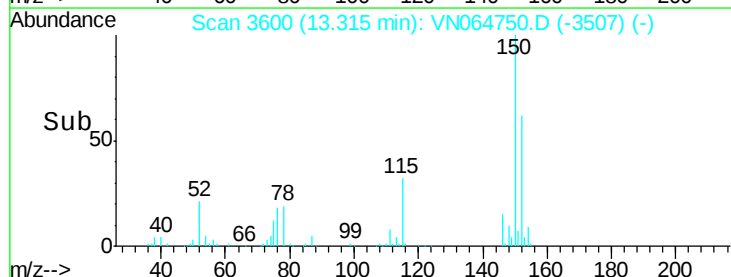
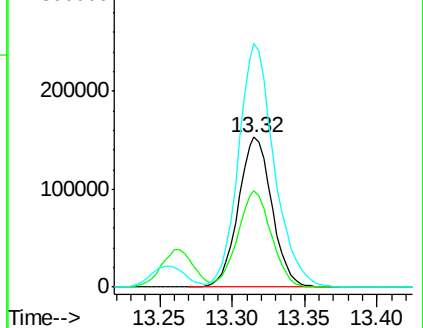
150 172.5 0.0 344.8

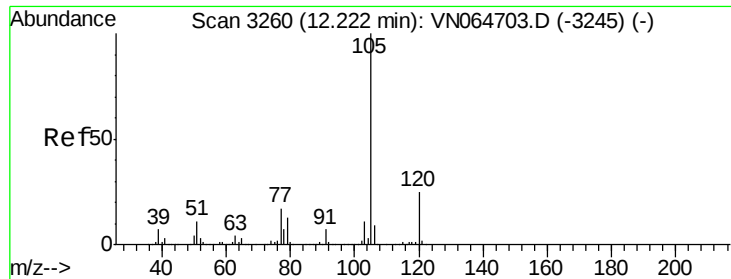


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





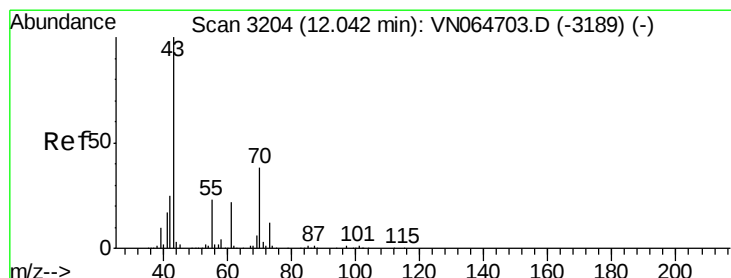
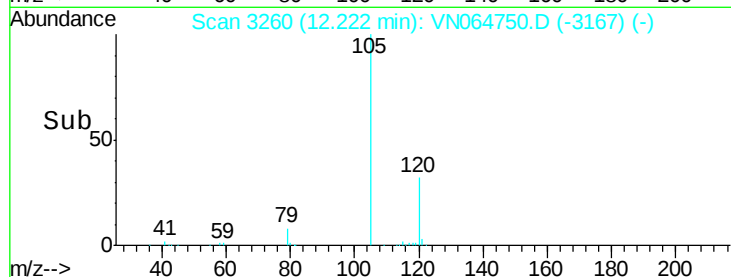
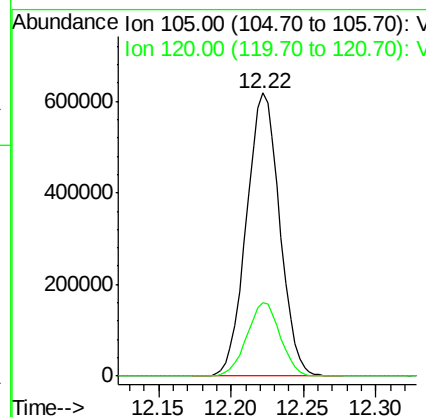
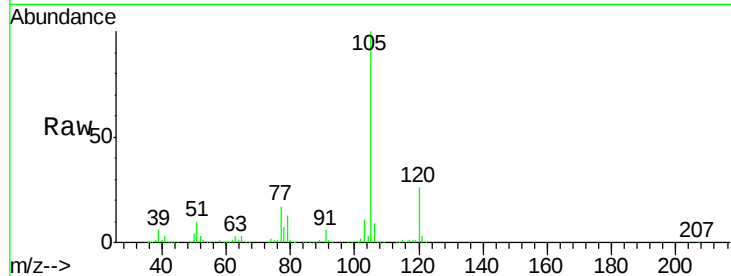
#73
Isopropylbenzene
Concen: 56.572 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. -0.00 min
Lab File: VN064750.D
Acq: 19 Nov 2020 22:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.2	12.8	38.3

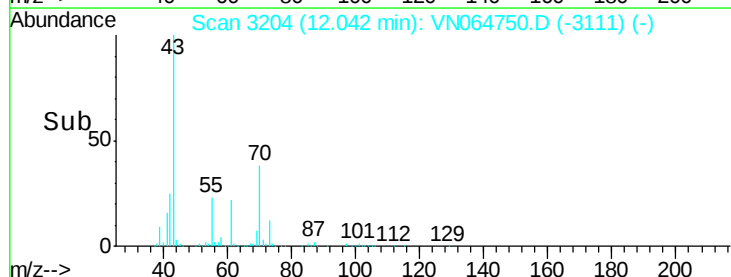
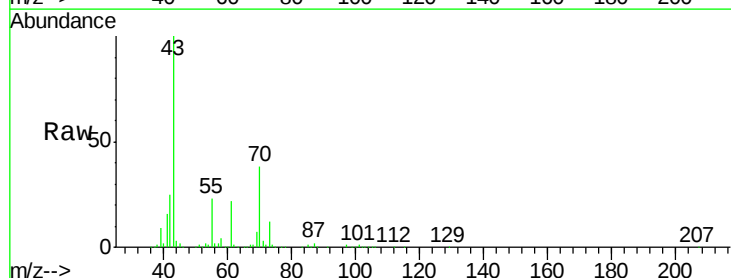
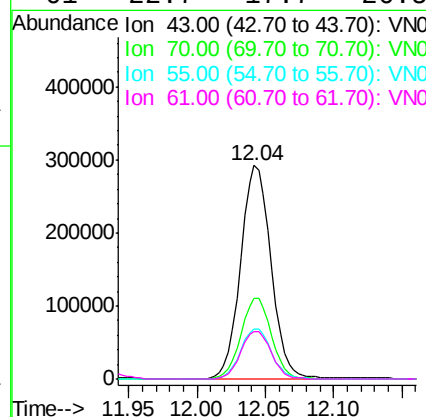
Manual Integrations
APPROVED

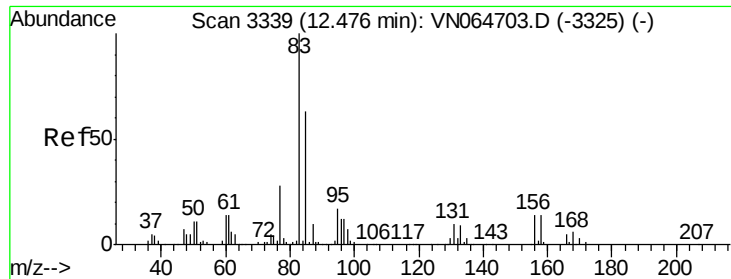
MMDadoda
11/24/2020 3:11:30 PM



#74
N-ethyl acetate
Concen: 55.286 ug/l
RT: 12.04 min Scan# 3204
Delta R.T. -0.00 min
Lab File: VN064750.D
Acq: 19 Nov 2020 22:02

Tgt Ion	Ratio	Lower	Upper
43	100		
70	38.0	30.3	45.5
55	24.2	18.9	28.3
61	22.7	17.7	26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 56.019 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN064750.D

Acq: 19 Nov 2020 22:02

Instrument :

MSVOA_N

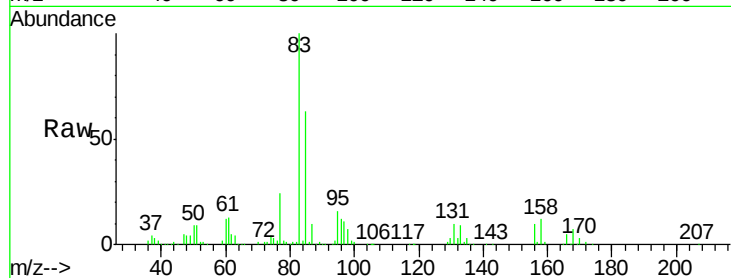
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	273001
Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.0	15.0
85	64.4	31.8	95.4

Manual Integrations
APPROVED

MMDadoda
11/24/2020 3:11:30 PM



Abundance Ion 82.90 (82.60 to 83.60): VN064750.D (-3246) (-)

Ion 130.80 (130.50 to 131.50): VN064750.D (-3246) (-)

Ion 84.90 (84.60 to 85.60): VN064750.D (-3246) (-)

12.48

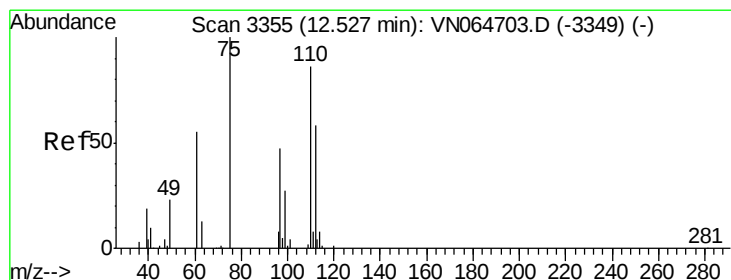
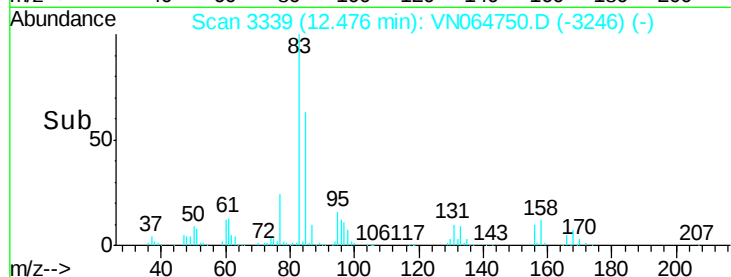
150000

100000

50000

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 57.705 ug/l m

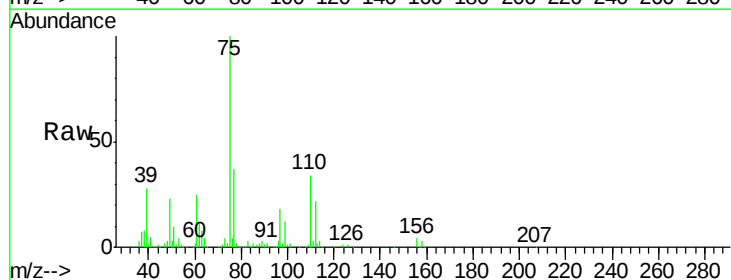
RT: 12.53 min Scan# 3355

Delta R.T. -0.00 min

Lab File: VN064750.D

Acq: 19 Nov 2020 22:02

Tgt Ion:	75	Resp:	305246
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN064750.D (-3262) (-)

Ion 77.00 (76.70 to 77.70): VN064750.D (-3262) (-)

300000

250000

200000

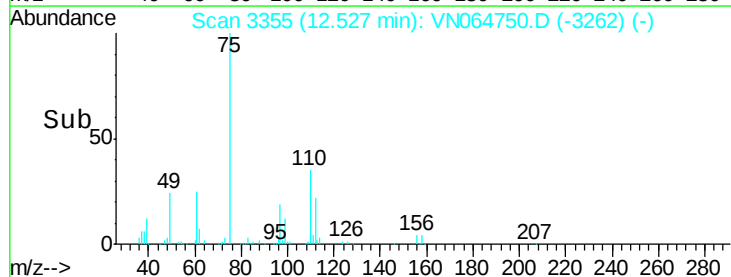
150000

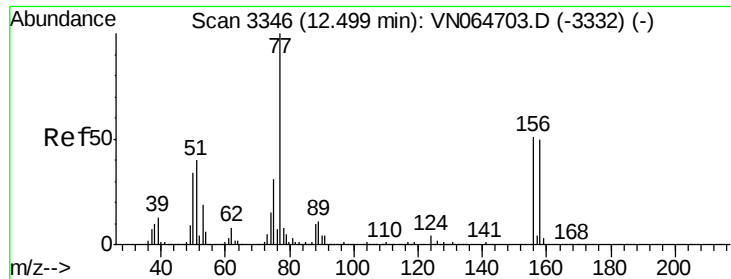
100000

50000

0

Time-->





#77

Bromobenzene

Concen: 55.136 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VN064750.D

Acq: 19 Nov 2020 22:02

Instrument :

MSVOA_N

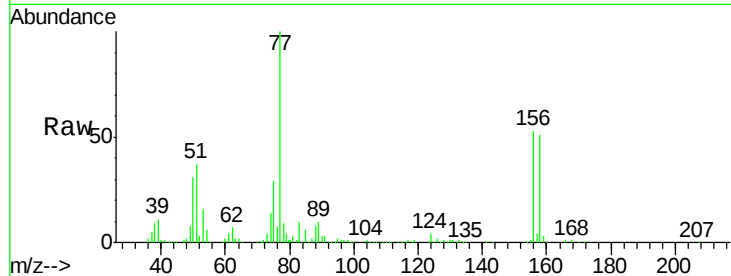
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	227.6	117.3	351.9
158	98.4	49.0	147.2

Manual Integrations
APPROVED

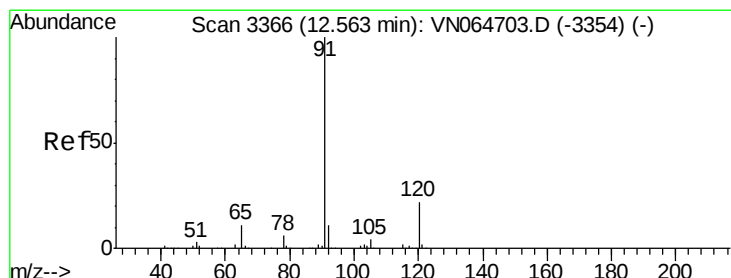
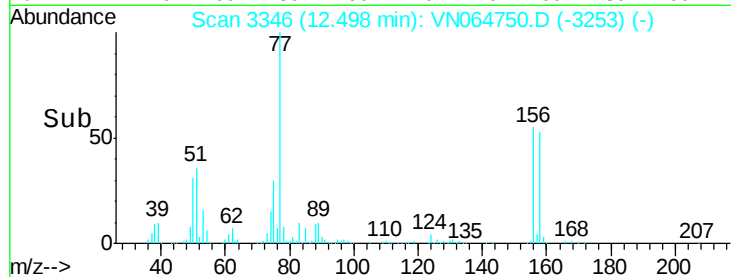
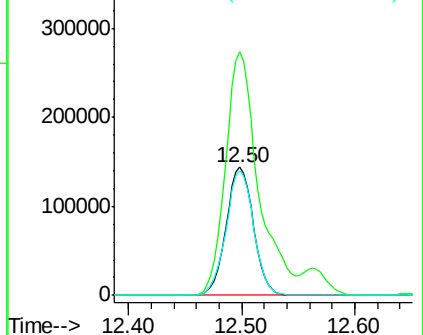
MMDadoda
11/24/2020 3:11:30 PM



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: 57.219 ug/l

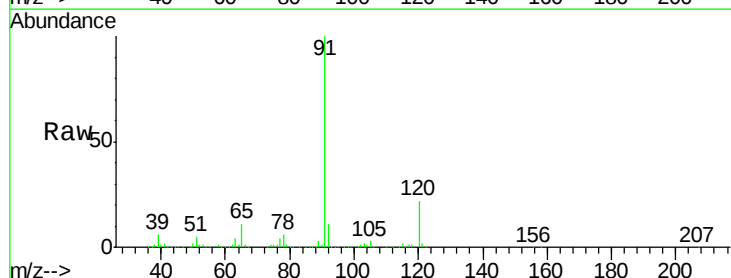
RT: 12.56 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN064750.D

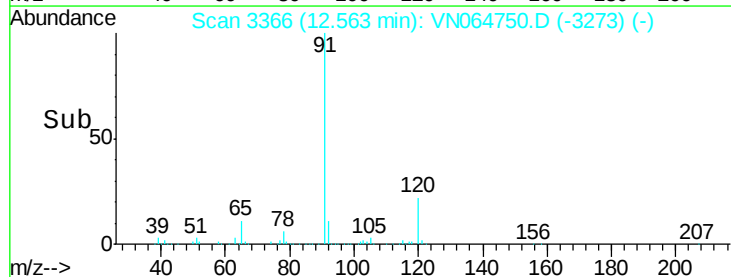
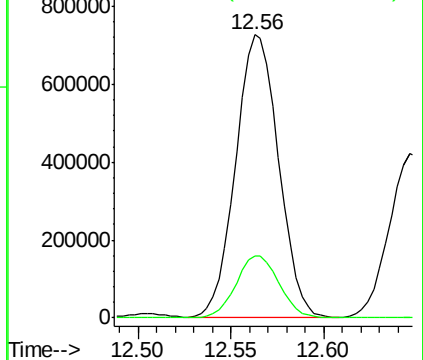
Acq: 19 Nov 2020 22:02

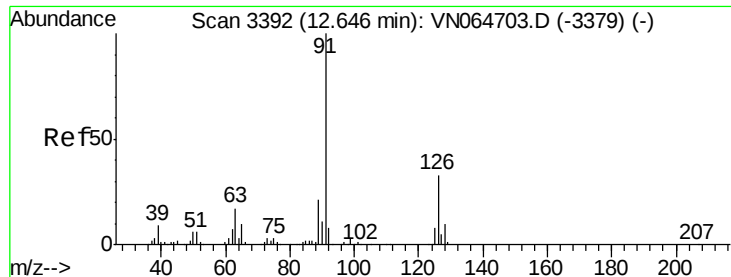
Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.1	10.9	32.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





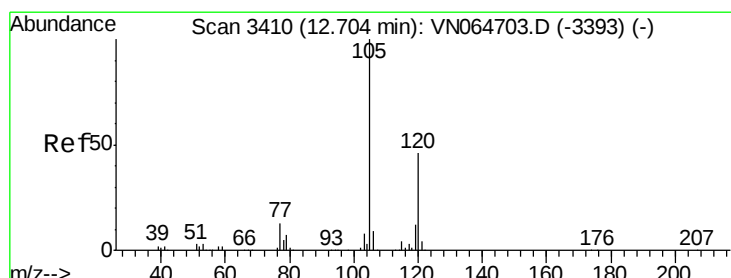
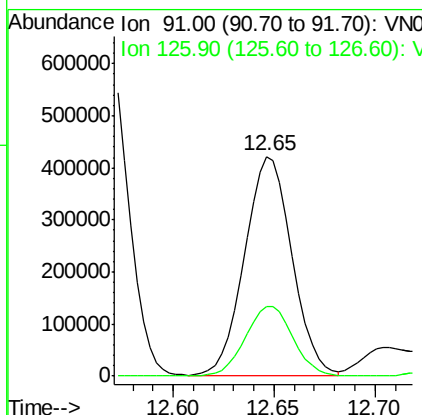
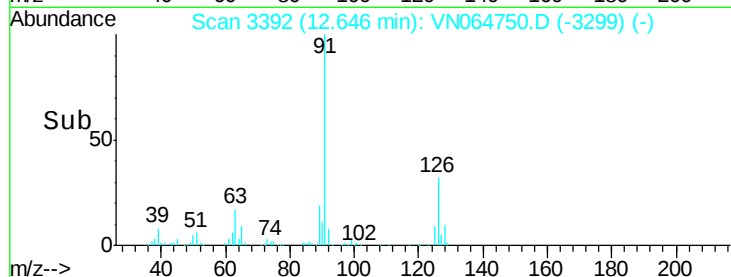
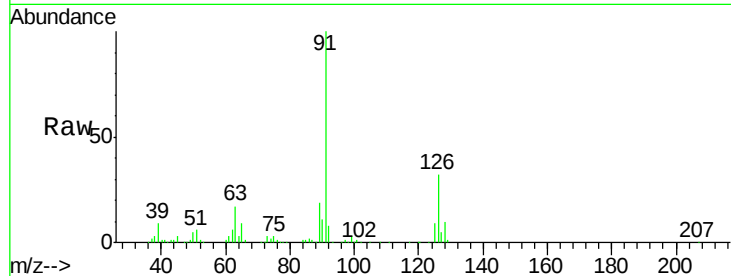
#79
 2-Chlorotoluene
 Concen: 52.969 ug/l
 RT: 12.65 min Scan# 3392
 Delta R.T. -0.00 min
 Lab File: VN064750.D
 Acq: 19 Nov 2020 22:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 688179
 Ion Ratio Lower Upper
 91 100
 126 32.3 16.0 48.0

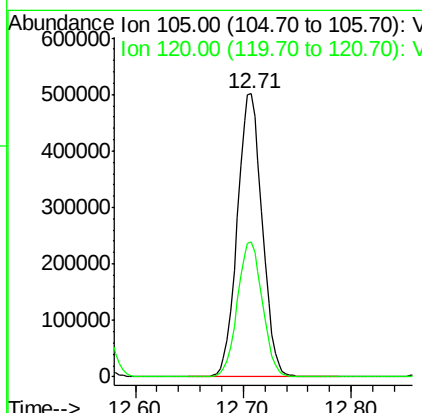
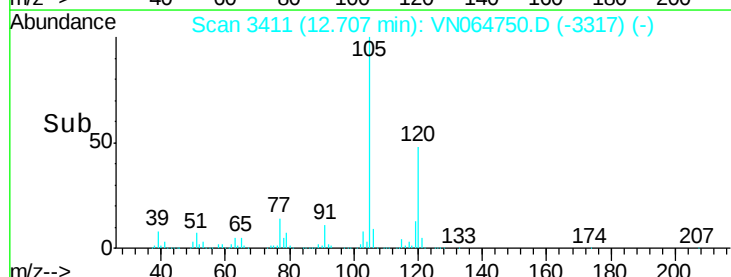
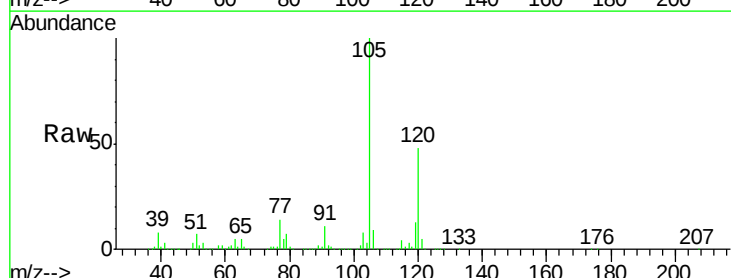
Manual Integrations
 APPROVED

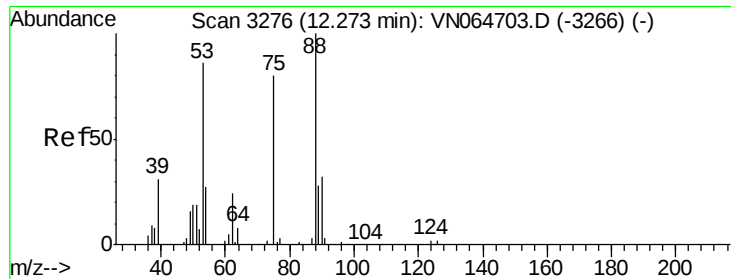
MMDadoda
 11/24/2020 3:11:30 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 55.734 ug/l
 RT: 12.71 min Scan# 3411
 Delta R.T. 0.00 min
 Lab File: VN064750.D
 Acq: 19 Nov 2020 22:02

Tgt Ion: 105 Resp: 807016
 Ion Ratio Lower Upper
 105 100
 120 47.8 22.9 68.8





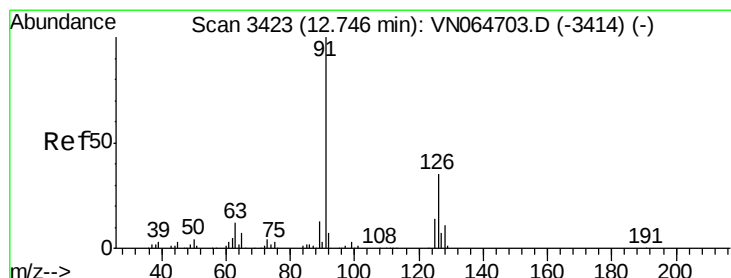
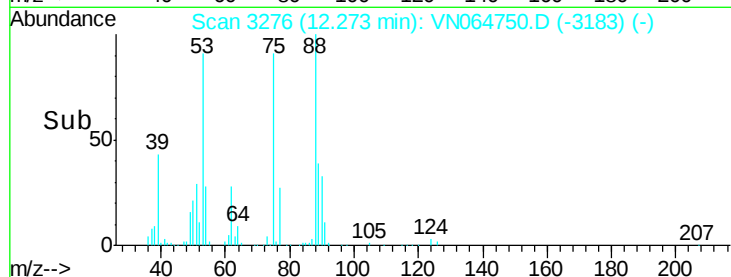
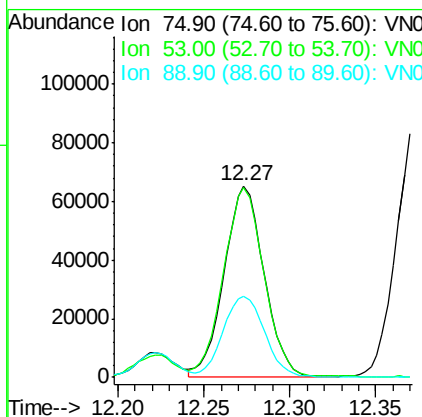
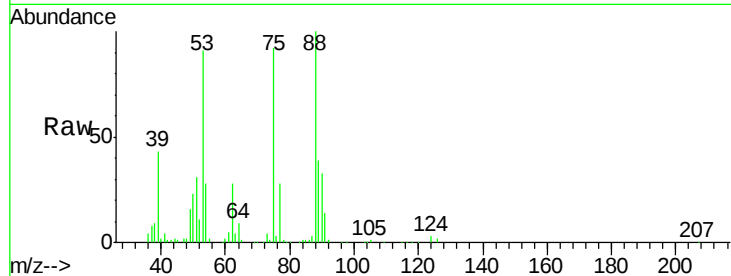
#81
trans-1,4-Dichloro-2-butene
Concen: 50.701 ug/l
RT: 12.27 min Scan# 3276
Delta R.T. 0.00 min
Lab File: VN064750.D
Acq: 19 Nov 2020 22:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	100.7	88.8	133.2
89	44.9	43.1	64.7

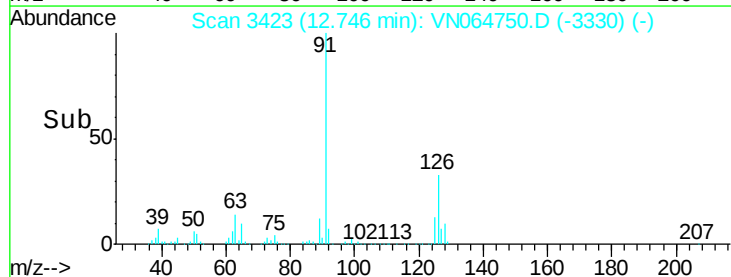
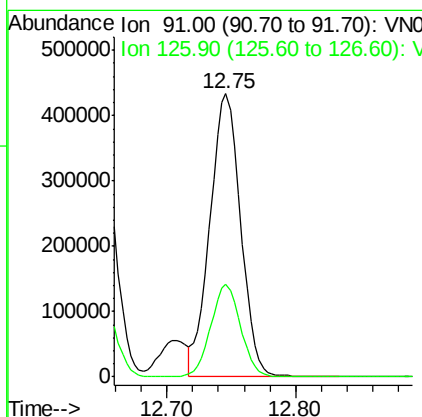
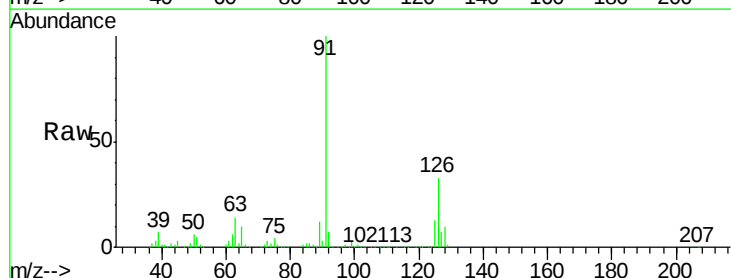
Manual Integrations
APPROVED

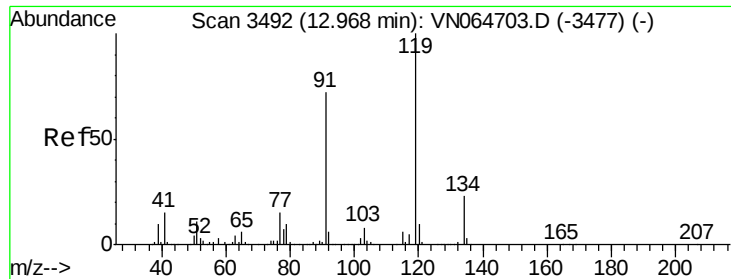
MMDadoda
11/24/2020 3:11:30 PM



#82
4-Chlorotoluene
Concen: 51.603 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. -0.00 min
Lab File: VN064750.D
Acq: 19 Nov 2020 22:02

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.7	15.9	47.7





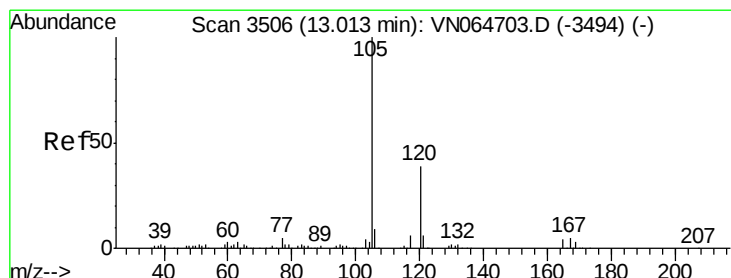
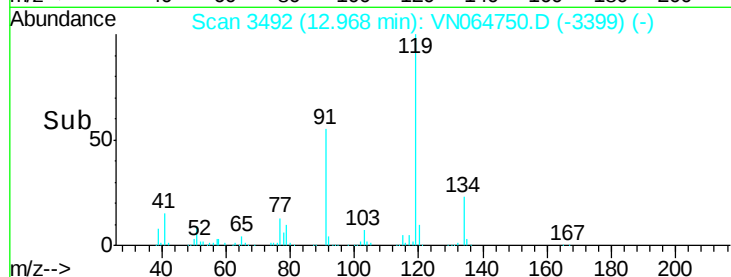
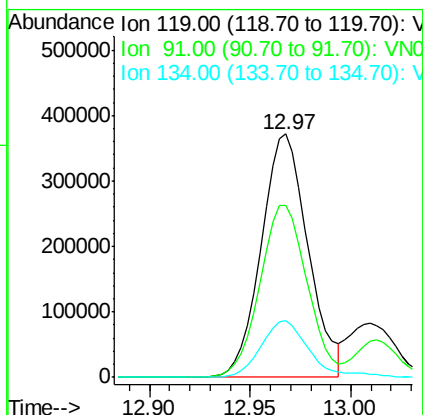
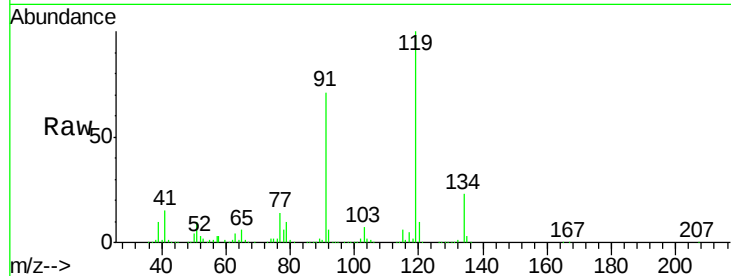
#83
tert-Butylbenzene
Concen: 53.623 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. -0.00 min
Lab File: VN064750.D
Acq: 19 Nov 2020 22:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	71.1	35.8	107.4
134	24.2	12.0	36.1

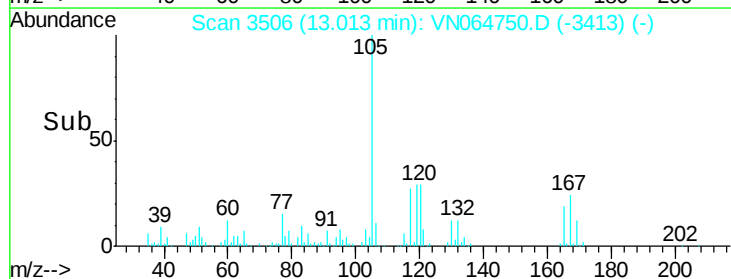
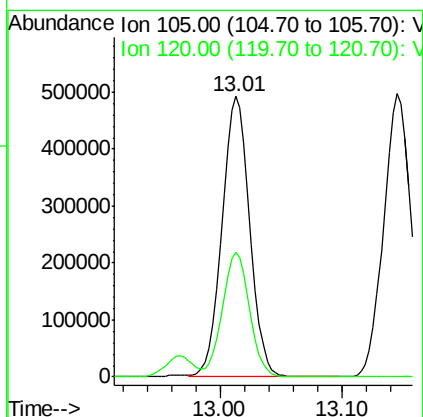
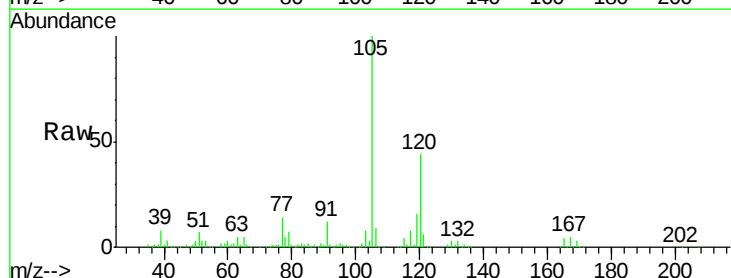
Manual Integrations
APPROVED

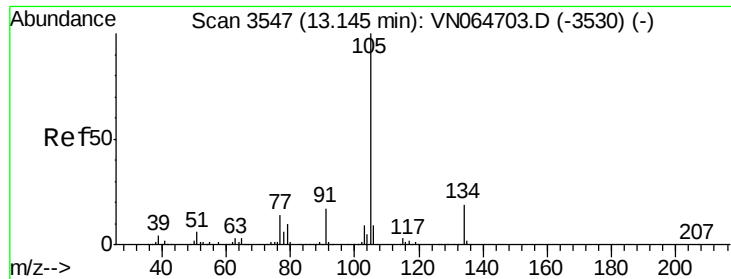
MMDadoda
11/24/2020 3:11:30 PM



#84
1,2,4-Trimethylbenzene
Concen: 52.901 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN064750.D
Acq: 19 Nov 2020 22:02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.0	22.0	66.0





#85

sec-Butylbenzene

Concen: 52.312 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064750.D

Acq: 19 Nov 2020 22:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 781053

Ion Ratio Lower Upper

105 100

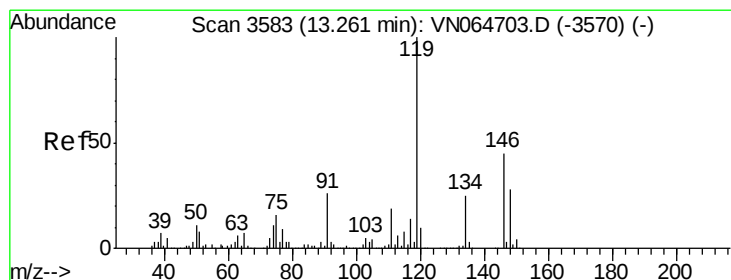
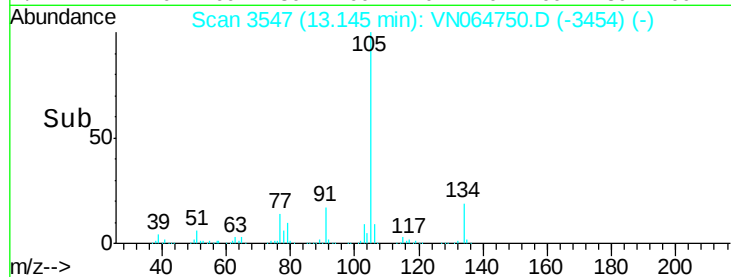
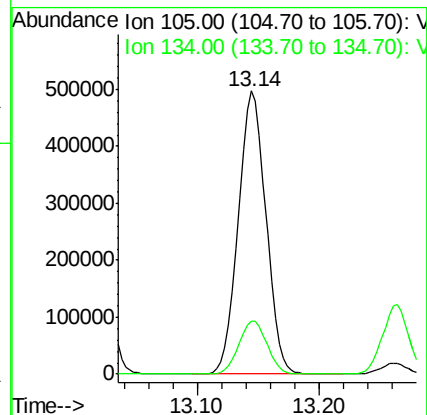
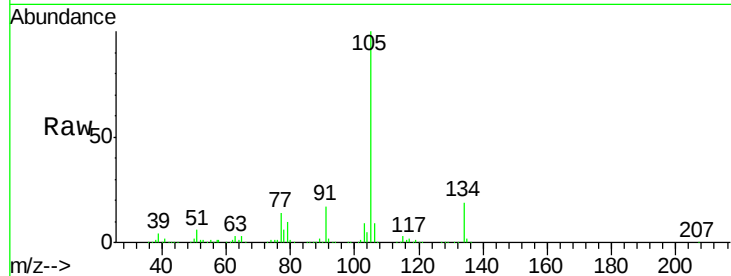
134 19.1 9.5 28.5

Manual Integrations

APPROVED

MMDadoda

11/24/2020 3:11:30 PM



#86

p-Isopropyltoluene

Concen: 52.294 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN064750.D

Acq: 19 Nov 2020 22:02

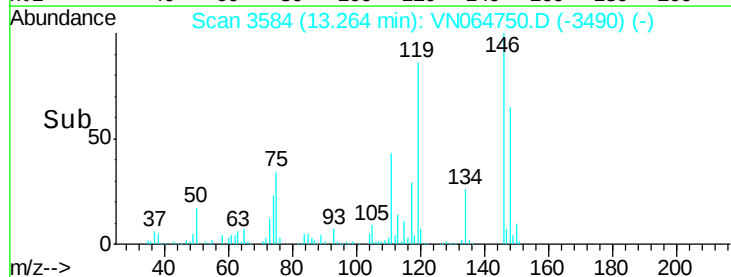
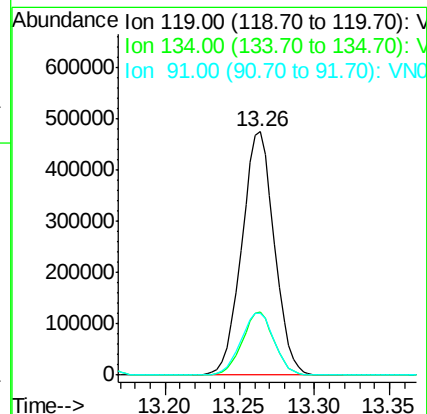
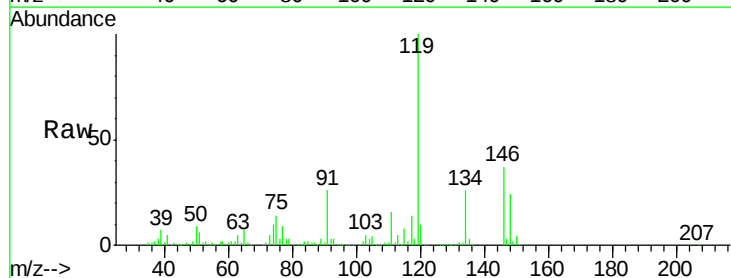
Tgt Ion:119 Resp: 718083

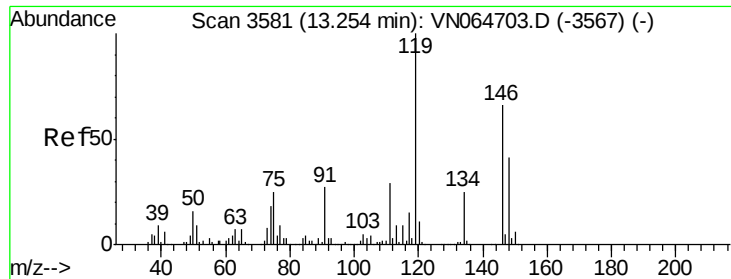
Ion Ratio Lower Upper

119 100

134 25.3 12.7 38.0

91 25.8 13.3 39.8





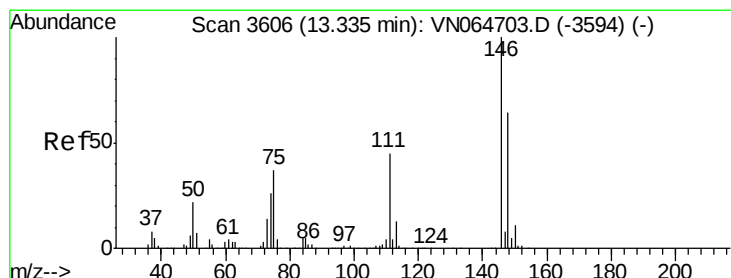
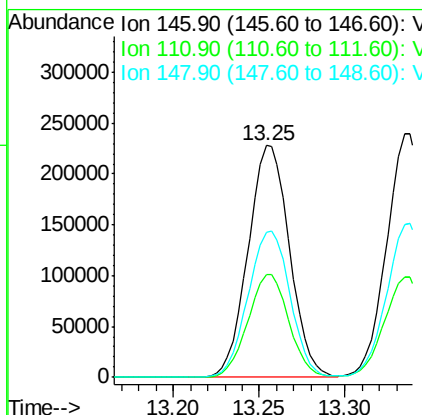
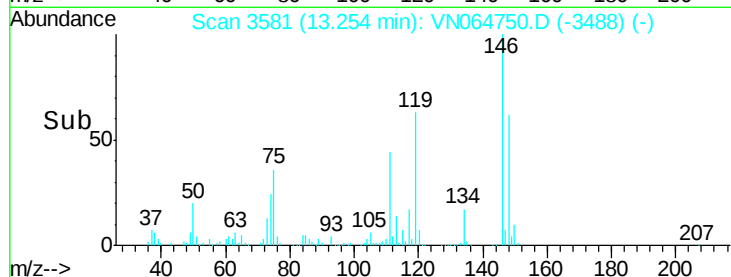
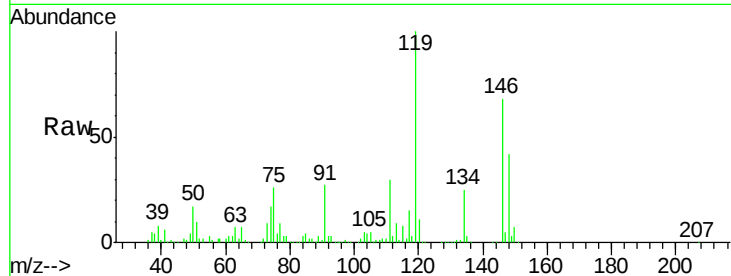
#87
 1,3-Dichlorobenzene
 Concen: 47.653 ug/l
 RT: 13.25 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN064750.D
 Acq: 19 Nov 2020 22:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.0	21.8	65.4
148	63.7	31.5	94.5

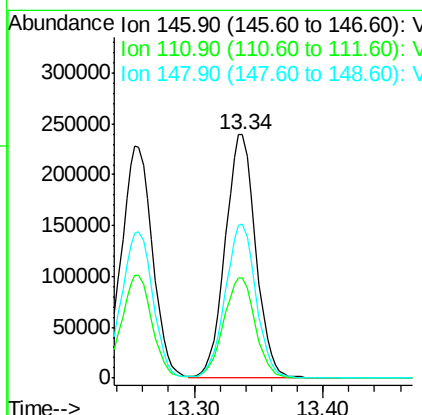
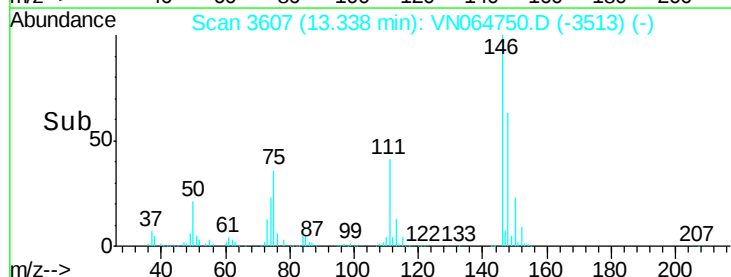
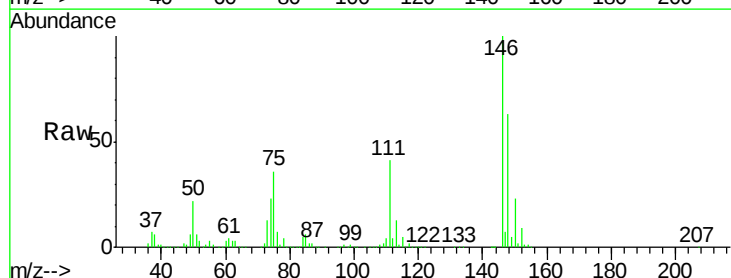
Manual Integrations
 APPROVED

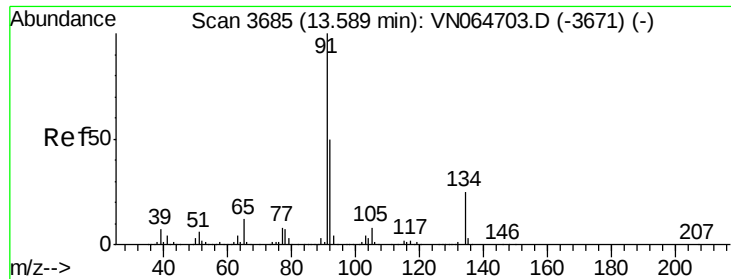
MMDadoda
 11/24/2020 3:11:30 PM



#88
 1,4-Dichlorobenzene
 Concen: 47.628 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064750.D
 Acq: 19 Nov 2020 22:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.3	22.3	66.8
148	63.7	31.6	94.7





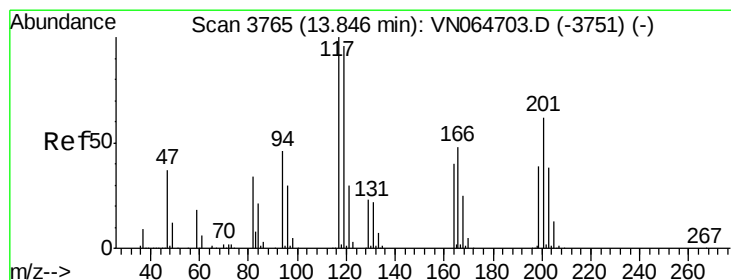
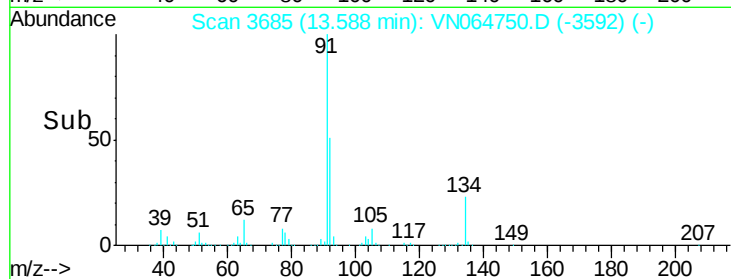
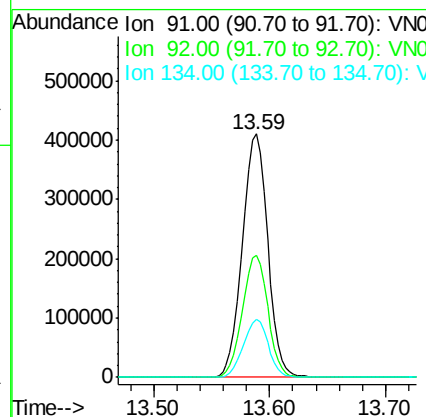
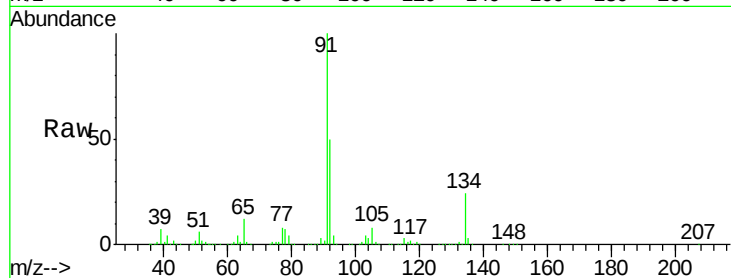
#89
n-Butylbenzene
Concen: 48.598 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN064750.D
Acq: 19 Nov 2020 22:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.3	24.9	74.8
134	23.4	12.0	36.0

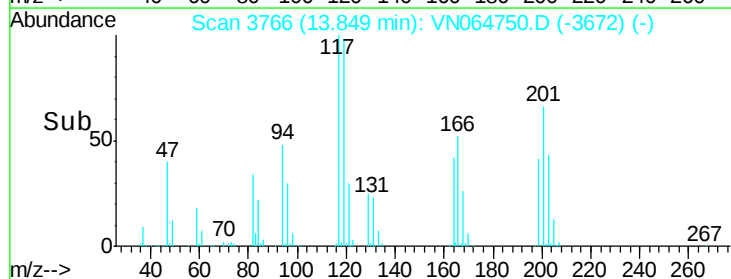
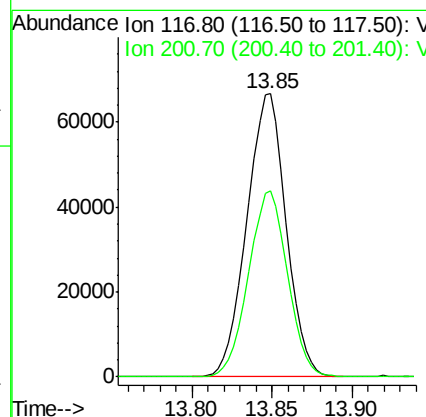
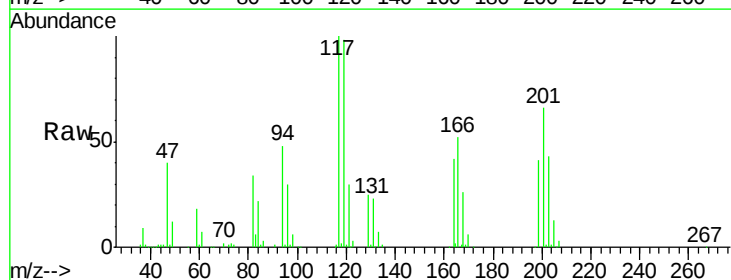
Manual Integrations
APPROVED

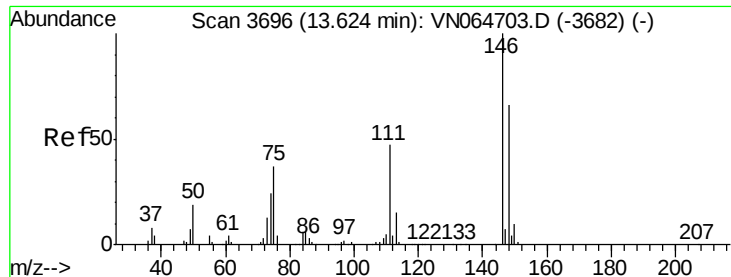
MMDadoda
11/24/2020 3:11:30 PM



#90
Hexachloroethane
Concen: 49.214 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN064750.D
Acq: 19 Nov 2020 22:02

Tgt Ion	Ratio	Lower	Upper
117	100		
201	65.3	31.9	95.5





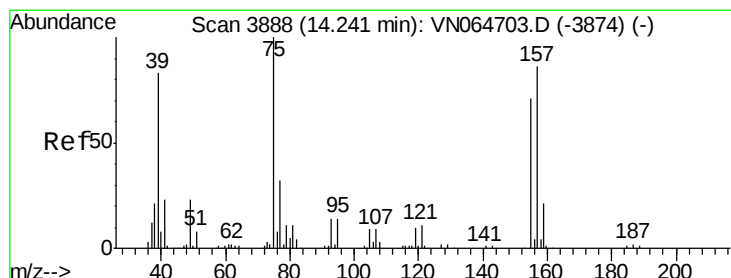
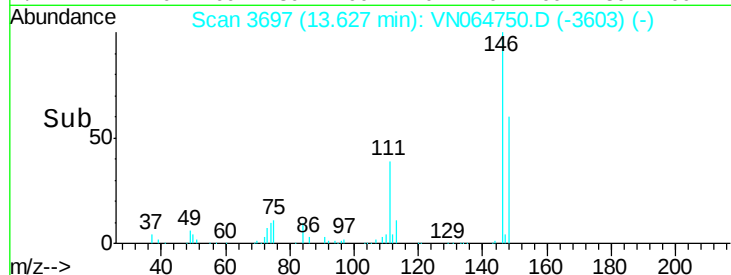
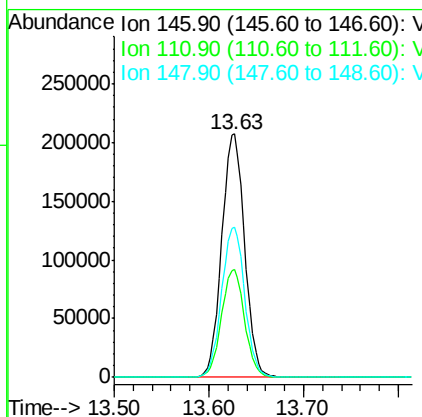
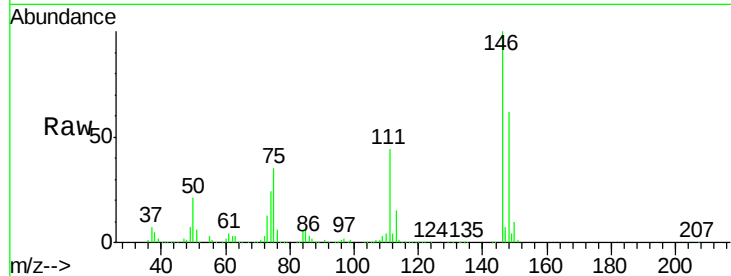
#91
 1,2-Dichlorobenzene
 Concen: 44.594 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064750.D
 Acq: 19 Nov 2020 22:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.7	23.1	69.3
148	62.4	32.2	96.6

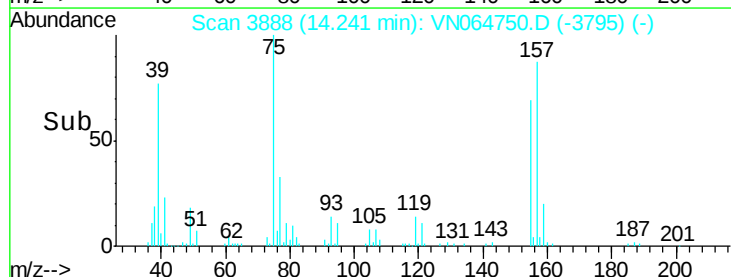
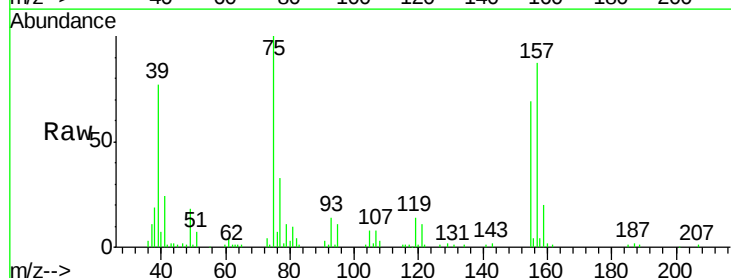
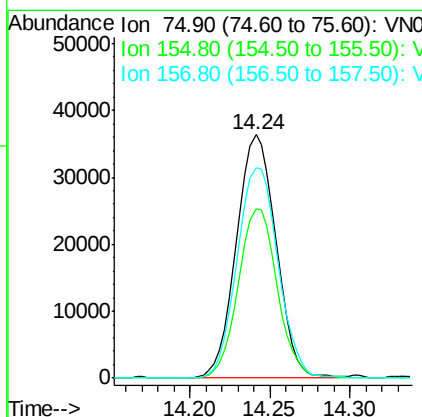
Manual Integrations
 APPROVED

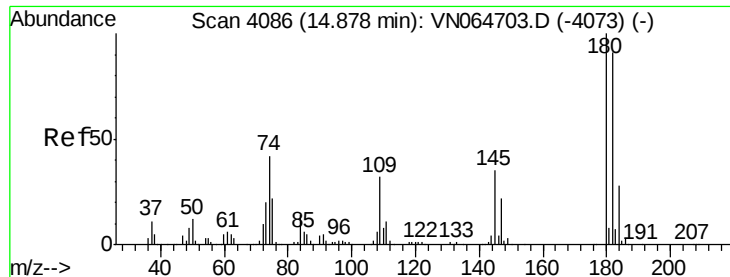
MMDadoda
 11/24/2020 3:11:30 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.040 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN064750.D
 Acq: 19 Nov 2020 22:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	68.3	33.6	100.6
157	89.6	42.4	127.2





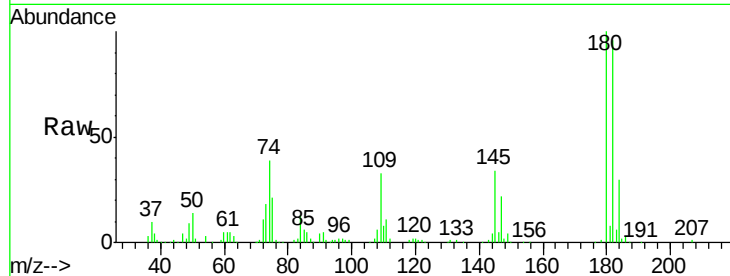
#93
 1,2,4-Trichlorobenzene
 Concen: 41.100 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN064750.D
 Acq: 19 Nov 2020 22:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

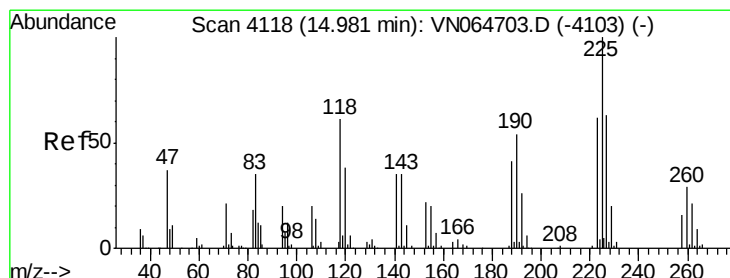
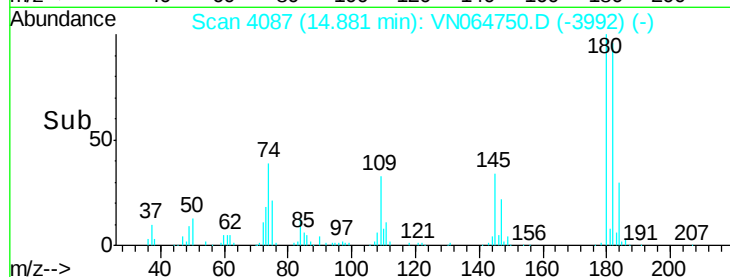
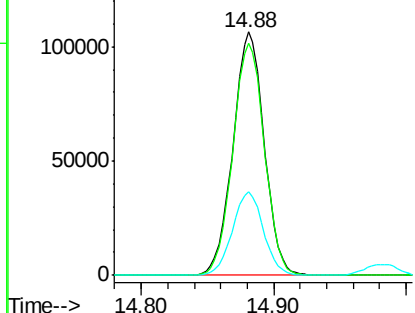
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.3	141.8
145	34.0	17.5	52.5

Manual Integrations
 APPROVED

MMDadoda
 11/24/2020 3:11:30 PM



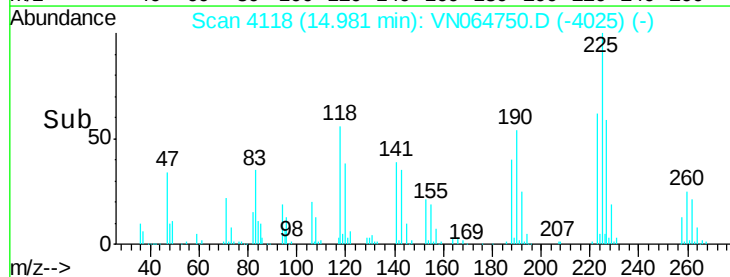
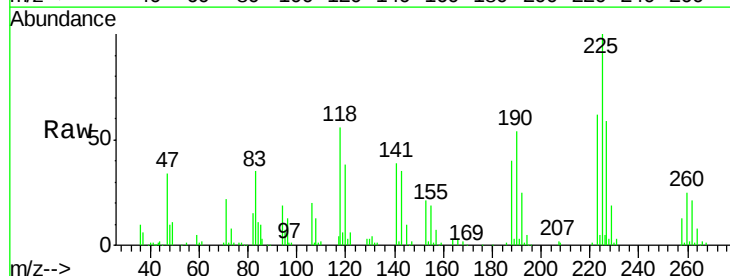
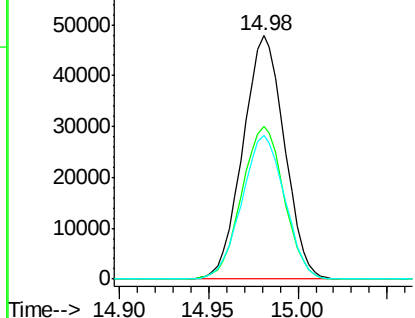
Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

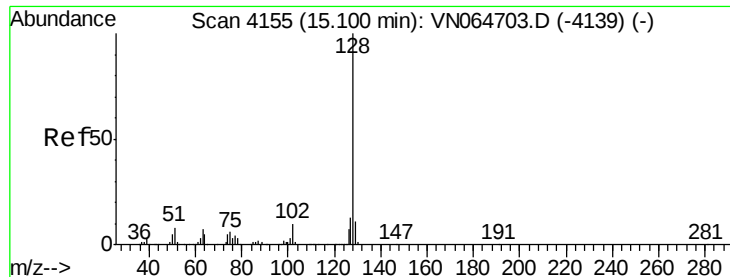


#94
 Hexachlorobutadiene
 Concen: 44.513 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN064750.D
 Acq: 19 Nov 2020 22:02

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.7	31.2	93.6
227	61.0	32.1	96.3

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





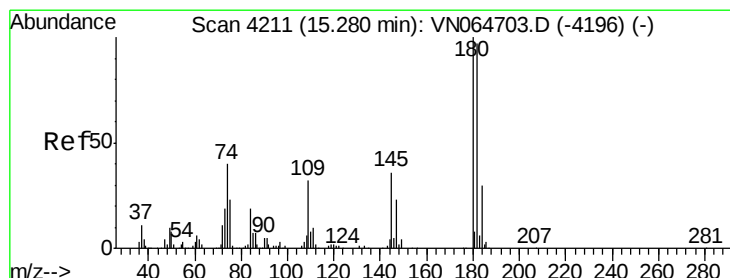
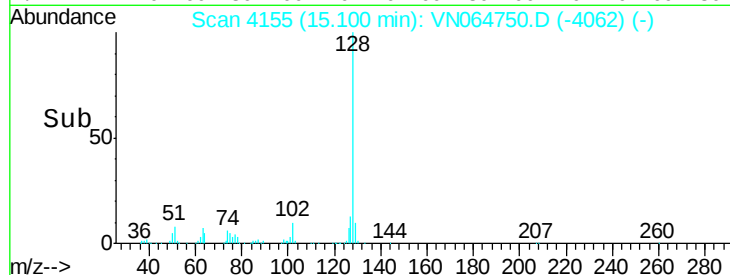
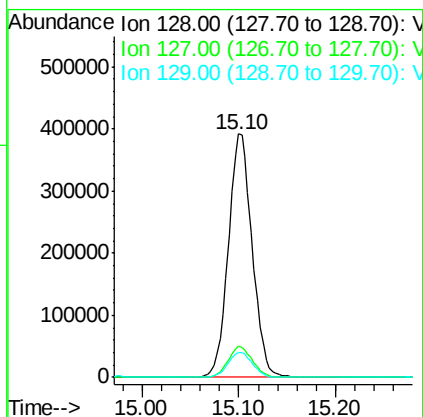
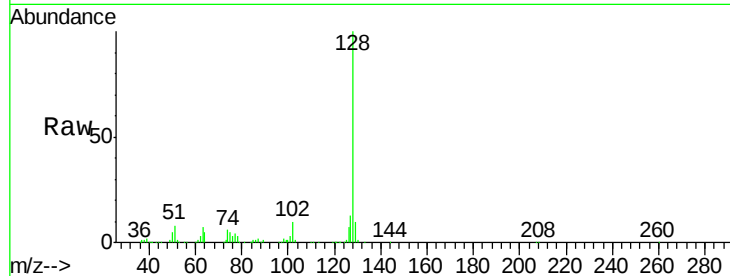
#95
Naphthalene
Concen: 48.487 ug/l
RT: 15.10 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN064750.D
Acq: 19 Nov 2020 22:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.8	16.2
129	10.5	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
11/24/2020 3:11:30 PM



#96
1,2,3-Trichlorobenzene
Concen: 49.540 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN064750.D
Acq: 19 Nov 2020 22:02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.5	142.5
145	35.6	18.1	54.1

