

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111920\
 Data File : VN064724.D
 Acq On : 19 Nov 2020 10:58
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/24/2020 3:11:12 PM

Quant Time: Nov 20 04:10:56 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	279780	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	465363	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	445248	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	221815	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	224826	45.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.36%	
35) Dibromofluoromethane	7.55	113	124605	47.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.08%	
50) Toluene-d8	10.06	98	602611	50.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.12%	
62) 4-Bromofluorobenzene	12.37	95	230998	51.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.68%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	164381	47.021	ug/l	98
3) Chloromethane	2.04	50	177520	45.922	ug/l	97
4) Vinyl Chloride	2.17	62	223197	55.335	ug/l	99
5) Bromomethane	2.54	94	159961	54.081	ug/l	96
6) Chloroethane	2.68	64	160261	58.887	ug/l	99
7) Trichlorofluoromethane	2.99	101	370744	51.319	ug/l	100
8) Diethyl Ether	3.37	74	138216	59.295	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.71	101	151878	48.648	ug/l	99
10) Methyl Iodide	3.91	142	176634	47.331	ug/l	98
11) Tert butyl alcohol	4.75	59	114233	239.235	ug/l	99
12) 1,1-Dichloroethene	3.69	96	142182	47.269	ug/l	95
13) Acrolein	3.57	56	32904	294.332	ug/l	95
14) Allyl chloride	4.27	41	252558	48.900	ug/l	99
15) Acrylonitrile	4.93	53	347461	247.818	ug/l	99
16) Acetone	3.78	43	275697	231.893	ug/l	99
17) Carbon Disulfide	4.01	76	420931	48.125	ug/l	100
18) Methyl Acetate	4.28	43	165942	46.053	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	495509	49.232	ug/l	100
20) Methylene Chloride	4.50	84	172925	47.447	ug/l	96
21) trans-1,2-Dichloroethene	4.98	96	157805	47.018	ug/l	97
22) Diisopropyl ether	5.90	45	550854	50.504	ug/l	99
23) Vinyl Acetate	5.84	43	2203315	250.306	ug/l	100
24) 1,1-Dichloroethane	5.80	63	310184	48.540	ug/l	99
25) 2-Butanone	6.78	43	475669	252.786	ug/l	99
26) 2,2-Dichloropropane	6.78	77	292960	48.245	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	181479	49.045	ug/l	99
28) Bromochloromethane	7.14	49	156295	48.508	ug/l	98
29) Tetrahydrofuran	7.16	42	327533	257.615	ug/l	99
30) Chloroform	7.32	83	341461	49.170	ug/l	99
31) Cyclohexane	7.61	56	251202	47.209	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	309243	48.719	ug/l	99
36) 1,1-Dichloropropene	7.75	75	246641	51.516	ug/l	99
37) Ethyl Acetate	6.88	43	216651	54.042	ug/l	99
38) Carbon Tetrachloride	7.73	117	274952	54.038	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	223608	52.711	ug/l	99
40) Benzene	8.00	78	704009	52.774	ug/l	99
41) Methacrylonitrile	7.13	41	109184	59.421	ug/l	90
42) 1,2-Dichloroethane	8.08	62	301431	52.518	ug/l	98
43) Isopropyl Acetate	8.13	43	385140	49.565	ug/l	99
44) Trichloroethene	8.80	130	192914	50.390	ug/l	97
45) 1,2-Dichloropropane	9.08	63	190784	53.654	ug/l	97
46) Dibromomethane	9.17	93	136307	54.078	ug/l	97
47) Bromodichloromethane	9.37	83	284225	53.639	ug/l	99
48) Methyl methacrylate	9.16	41	196308	53.543	ug/l	98
49) 1,4-Dioxane	9.16	88	50265	1098.875	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	1185922	252.757	ug/l	99
52) Toluene	10.12	92	455986	55.499	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	305519	53.874	ug/l	96
54) cis-1,3-Dichloropropene	9.81	75	315176	53.974	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	175560	53.275	ug/l	98
56) Ethyl methacrylate	10.40	69	260682	48.288	ug/l	99
57) 1,3-Dichloropropane	10.68	76	309603	54.237	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	716859	242.772	ug/l	100
59) 2-Hexanone	10.72	43	860898	249.843	ug/l	100
60) Dibromochloromethane	10.87	129	204813	53.795	ug/l	99
61) 1,2-Dibromoethane	10.97	107	186134	52.956	ug/l	98
64) Tetrachloroethene	10.60	164	209688	53.123	ug/l	98
65) Chlorobenzene	11.41	112	486699	51.387	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	188579	53.287	ug/l	97
67) Ethyl Benzene	11.48	91	885137	53.005	ug/l	99
68) m/p-Xylenes	11.59	106	666526	98.362	ug/l	99
69) o-Xylene	11.92	106	306961	52.688	ug/l	97
70) Styrene	11.94	104	549309	48.428	ug/l	99
71) Bromoform	12.10	173	131687	47.973	ug/l	100
73) Isopropylbenzene	12.22	105	827709	52.557	ug/l	100
74) N-amyl acetate	12.04	43	372019	50.581	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	217066	49.298	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	222887m	46.635	ug/l	
77) Bromobenzene	12.50	156	196960	49.586	ug/l	98
78) n-propylbenzene	12.56	91	997196	54.371	ug/l	99
79) 2-Chlorotoluene	12.65	91	606036	51.628	ug/l	99
80) 1,3,5-Trimethylbenzene	12.70	105	717269	54.826	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.27	75	87420	47.224	ug/l	98
82) 4-Chlorotoluene	12.75	91	656938	52.485	ug/l	99
83) tert-Butylbenzene	12.97	119	549123	54.257	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	744188	55.736	ug/l	98
85) sec-Butylbenzene	13.14	105	742161	55.016	ug/l	99
86) p-Isopropyltoluene	13.26	119	682415	55.004	ug/l	100
87) 1,3-Dichlorobenzene	13.25	146	367281	50.748	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	376150	50.625	ug/l	99
89) n-Butylbenzene	13.59	91	612032	52.843	ug/l	99
90) Hexachloroethane	13.85	117	116296	56.703	ug/l	100
91) 1,2-Dichlorobenzene	13.62	146	356978	50.467	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	59101	51.150	ug/l	97

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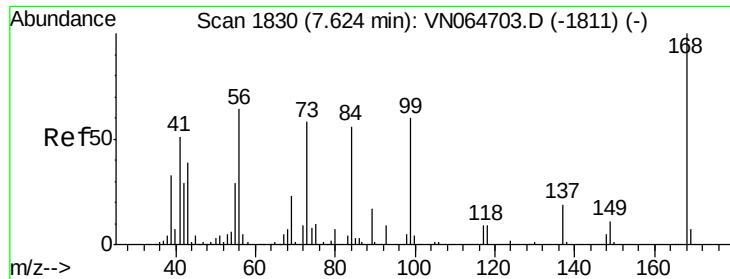
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	187876	48.846	ug/l	99
94) Hexachlorobutadiene	14.98	225	80047	50.782	ug/l	98
95) Naphthalene	15.10	128	633235	50.792	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	182513	49.463	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: VN064724.D

Acq: 19 Nov 2020 10:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 279780

Ion Ratio Lower Upper

168 100

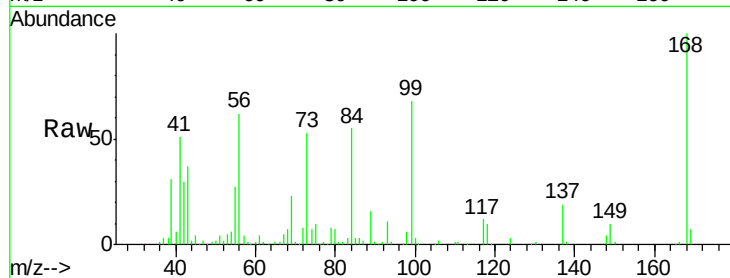
99 67.4 55.7 83.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

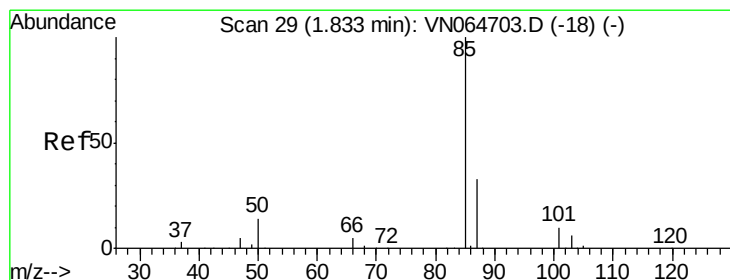
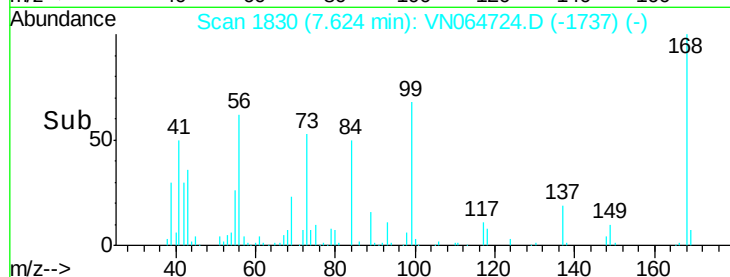
7.62

100000

50000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 47.021 ug/l

RT: 1.83 min Scan# 29

Delta R.T. -0.00 min

Lab File: VN064724.D

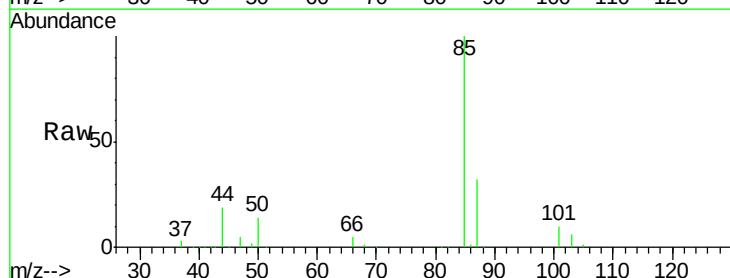
Acq: 19 Nov 2020 10:58

Tgt Ion: 85 Resp: 164381

Ion Ratio Lower Upper

85 100

87 31.9 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

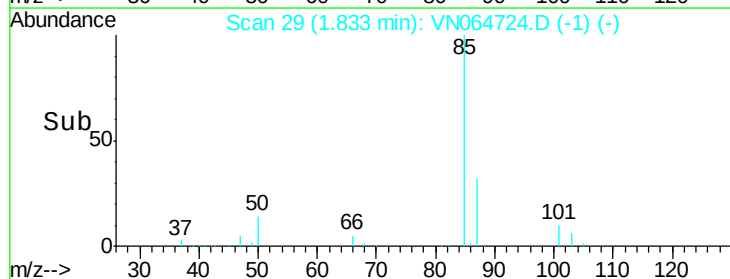
1.83

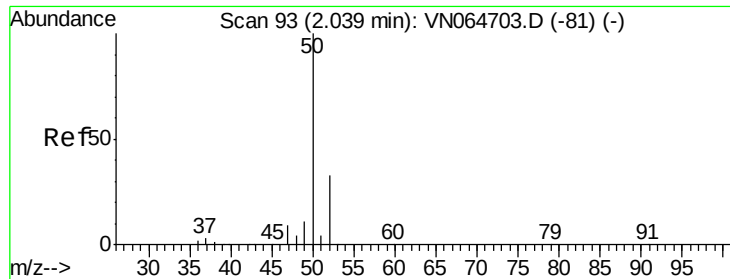
100000

50000

0

Time--> 1.75 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 45.922 ug/l

RT: 2.04 min Scan# 93

Delta R.T. -0.00 min

Lab File: VN064724.D

Acq: 19 Nov 2020 10:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 177520

Ion Ratio Lower Upper

50 100

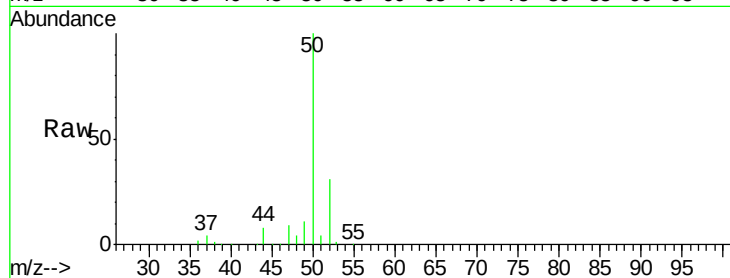
52 31.2 26.4 39.6

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.04

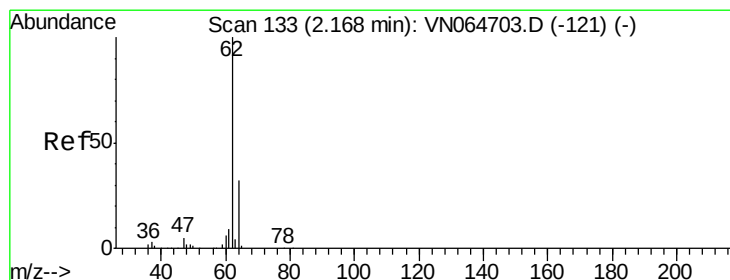
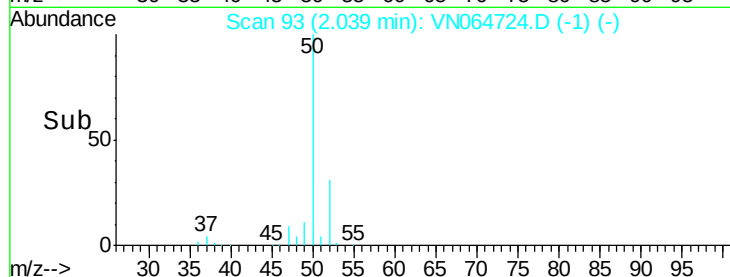
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 55.335 ug/l

RT: 2.17 min Scan# 133

Delta R.T. -0.00 min

Lab File: VN064724.D

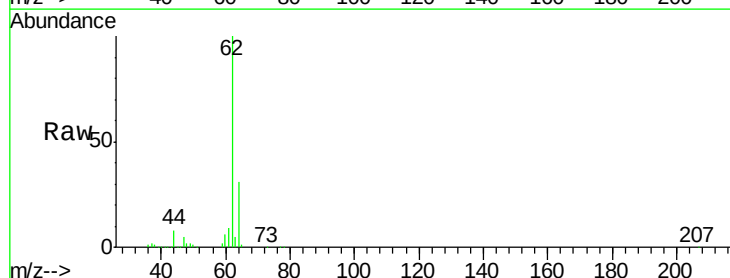
Acq: 19 Nov 2020 10:58

Tgt Ion: 62 Resp: 223197

Ion Ratio Lower Upper

62 100

64 31.2 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.17

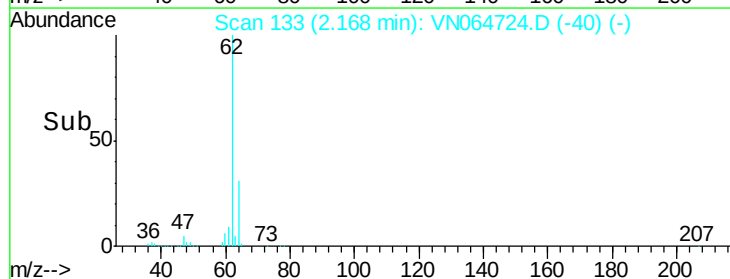
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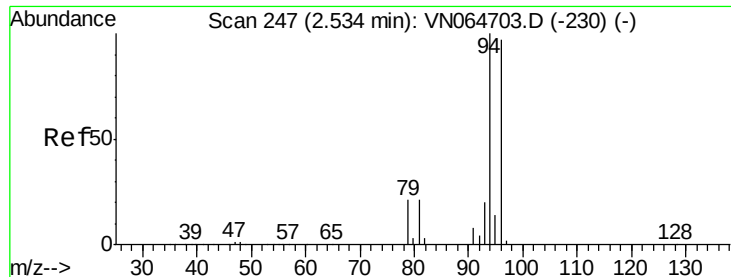
100000

50000

0

Time-->





#5

Bromomethane

Concen: 54.081 ug/l

RT: 2.54 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN064724.D

Acq: 19 Nov 2020 10:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 159961

Ion Ratio Lower Upper

94 100

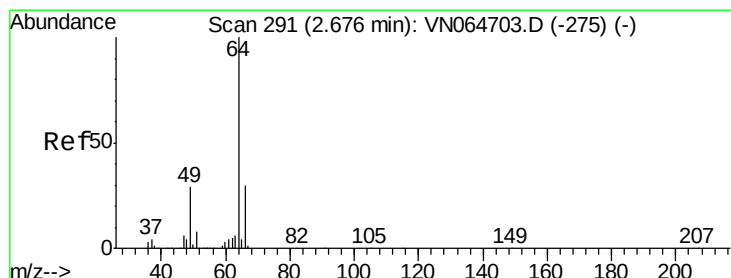
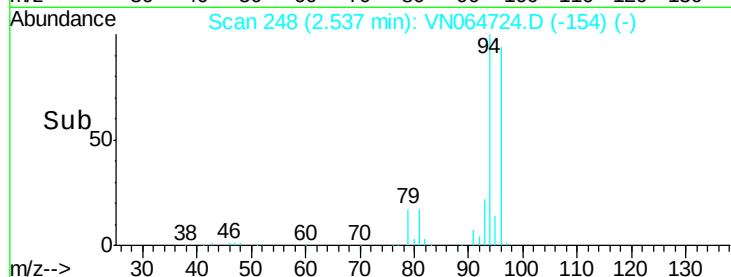
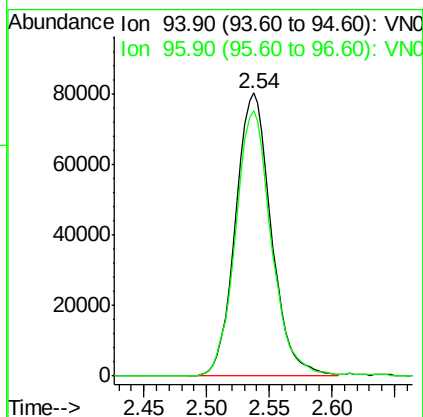
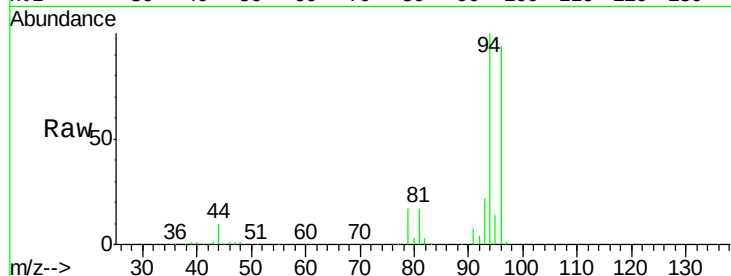
96 93.8 77.8 116.8

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#6

Chloroethane

Concen: 58.887 ug/l

RT: 2.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN064724.D

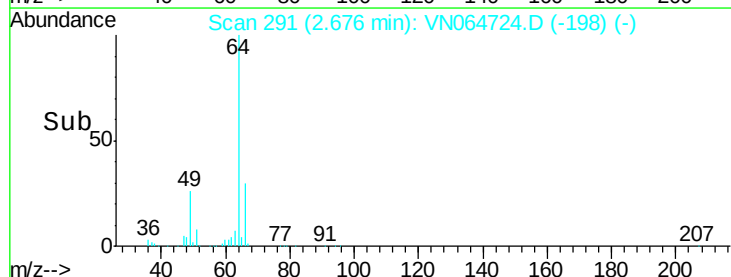
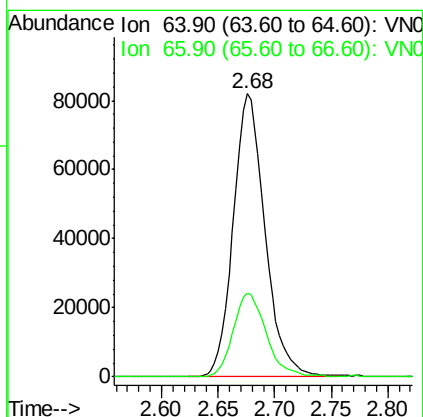
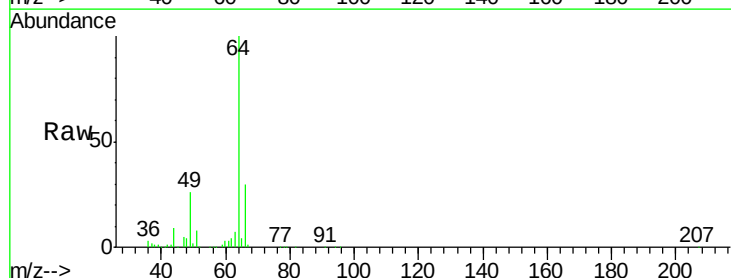
Acq: 19 Nov 2020 10:58

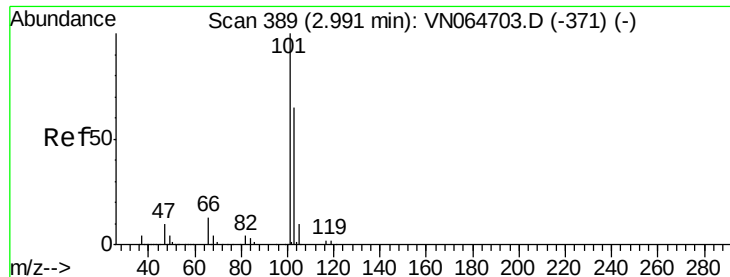
Tgt Ion: 64 Resp: 160261

Ion Ratio Lower Upper

64 100

66 29.7 24.2 36.2





#7

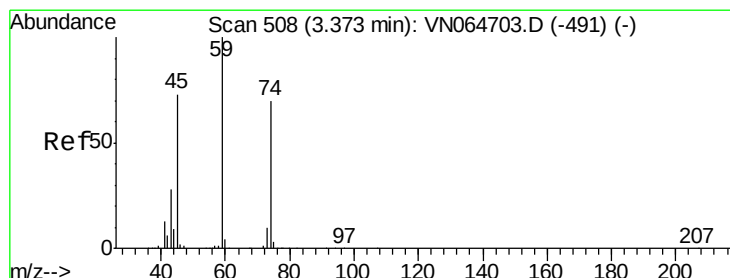
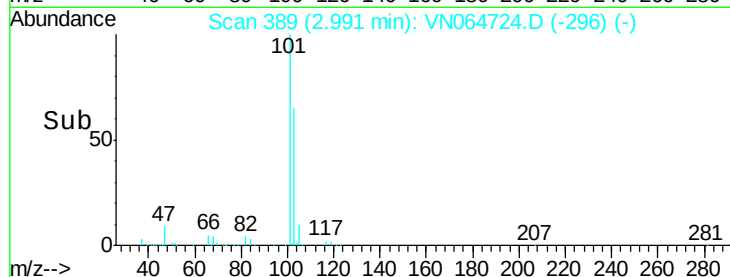
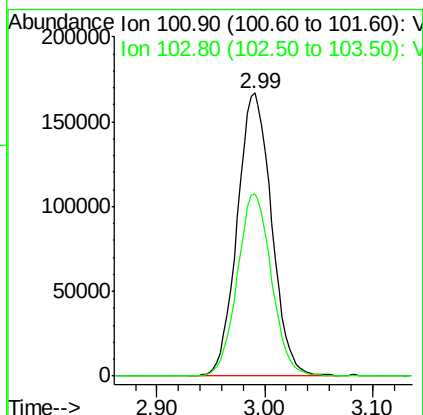
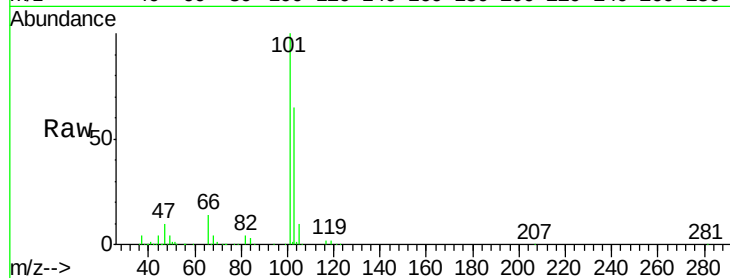
Trichlorofluoromethane
Concen: 51.319 ug/l
RT: 2.99 min Scan# 389
Delta R.T. -0.00 min
Lab File: VN064724.D
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		370744		
103	64.6	51.8	77.6		

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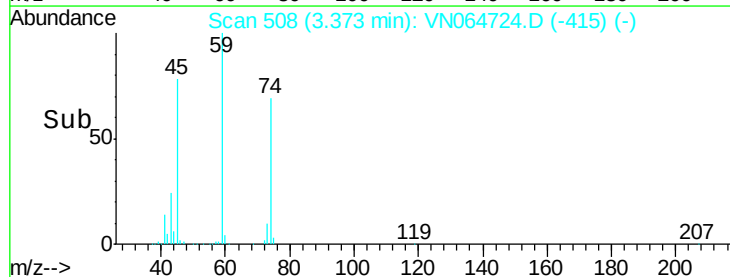
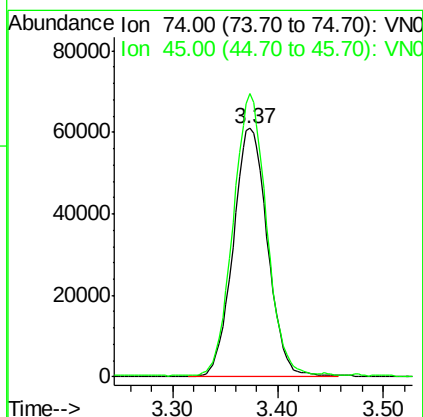
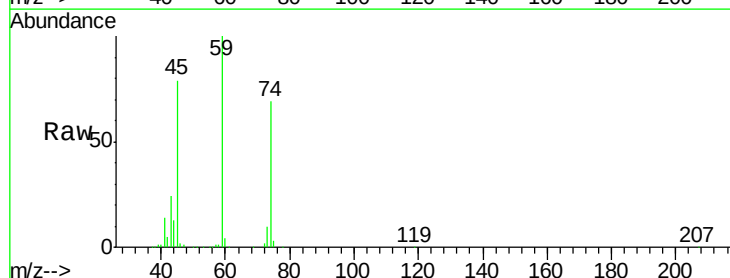
MMDadoda
11/24/2020 3:11:12 PM

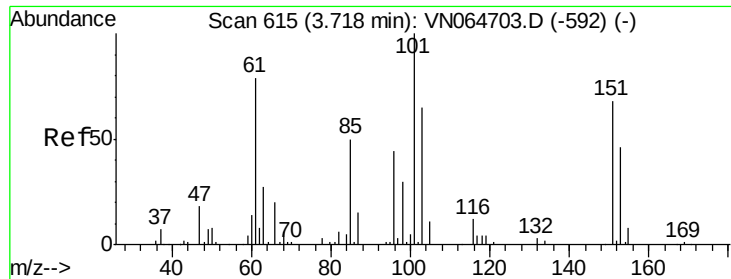


#8

Diethyl Ether
Concen: 59.295 ug/l
RT: 3.37 min Scan# 508
Delta R.T. -0.00 min
Lab File: VN064724.D
Acq: 19 Nov 2020 10:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		138216		
45	109.5	52.8	158.5		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.648 ug/l

RT: 3.71 min Scan# 614

Delta R.T. -0.00 min

Lab File: VN064724.D

Acq: 19 Nov 2020 10:58

Instrument :

MSVOA_N

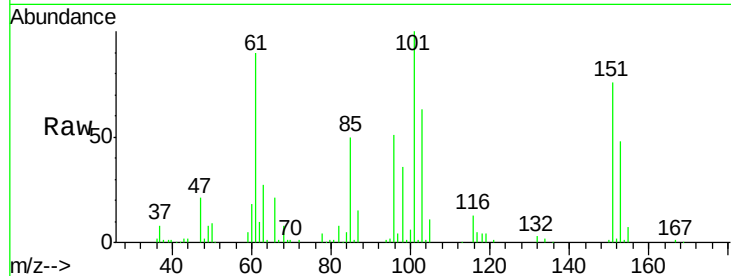
ClientSampleId :

VSTDCCC050

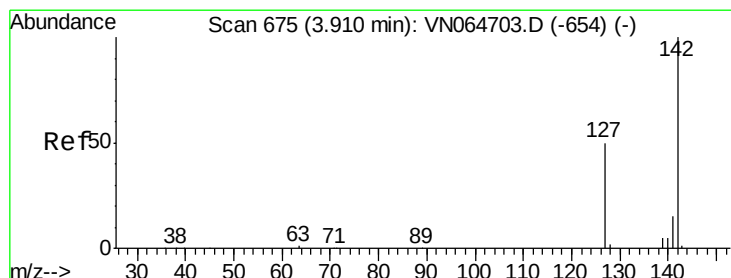
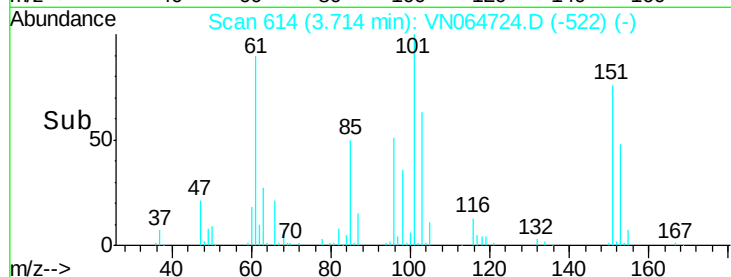
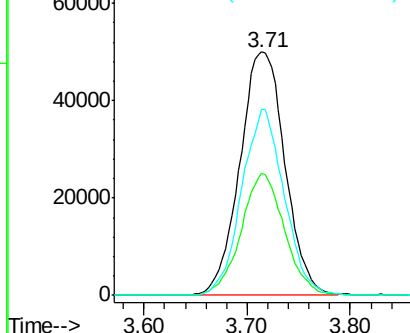
Tot Ion:	101	Resp:	151878
Ion Ratio	Lower	Upper	
101	100		
85	48.1	39.0	58.4
151	72.2	57.2	85.8

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 47.331 ug/l

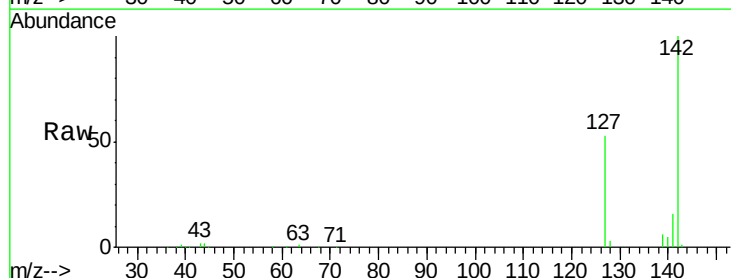
RT: 3.91 min Scan# 674

Delta R.T. -0.00 min

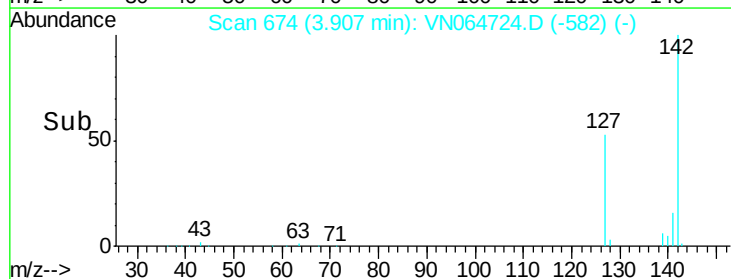
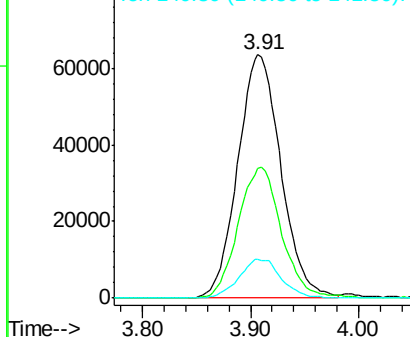
Lab File: VN064724.D

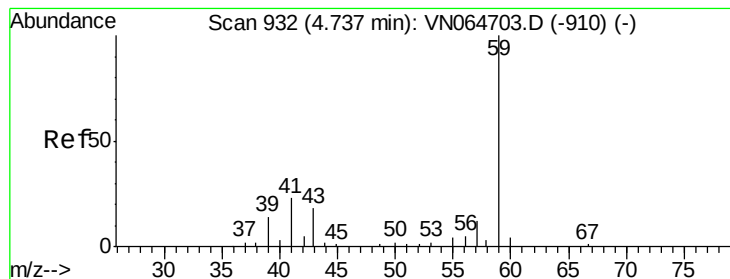
Acq: 19 Nov 2020 10:58

Tgt Ion:	142	Resp:	176634
Ion Ratio	Lower	Upper	
142	100		
127	54.0	42.0	63.0
141	15.6	12.1	18.1



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

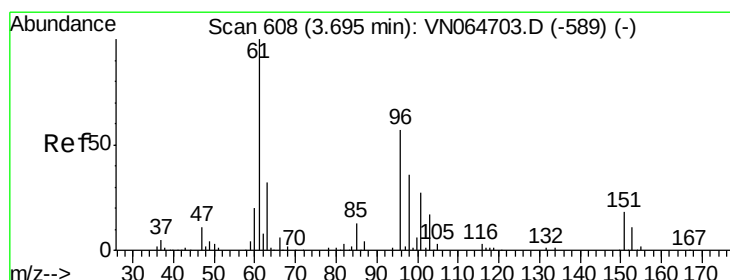
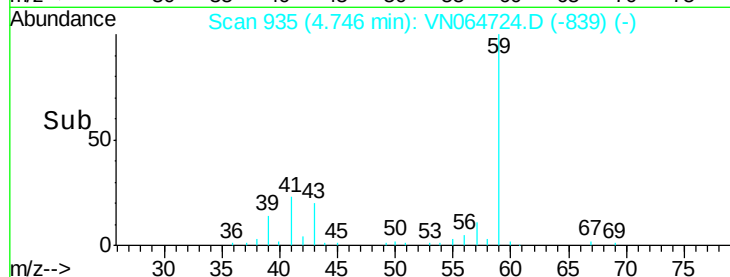
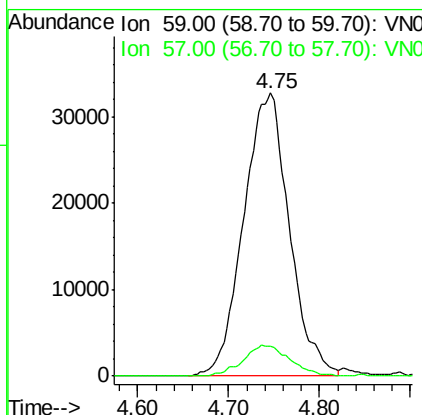
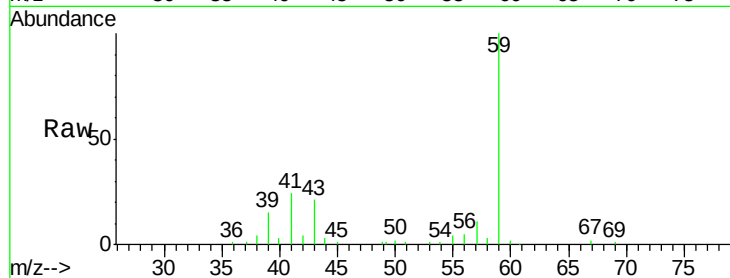
Tert butyl alcohol
 Concen: 239.235 ug/l
 RT: 4.75 min Scan# 935
 Delta R.T. 0.01 min
 Lab File: VN064724.D
 Acq: 19 Nov 2020 10:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.0	9.1	13.7

Manual Integrations
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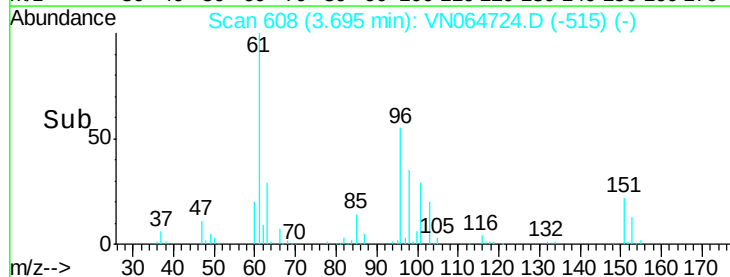
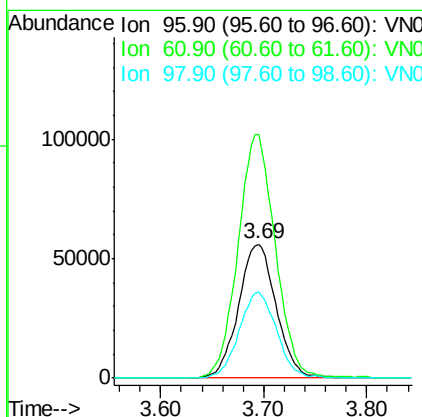
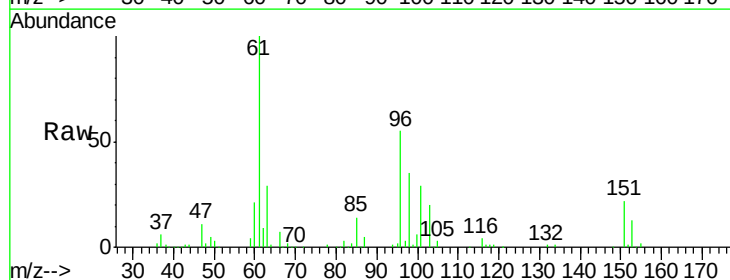
MMDadoda
 11/24/2020 3:11:12 PM

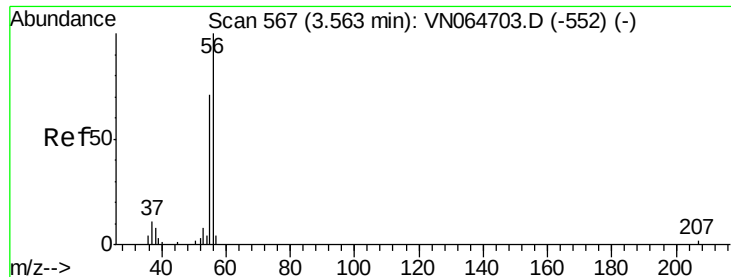


#12

1,1-Dichloroethene
 Concen: 47.269 ug/l
 RT: 3.69 min Scan# 608
 Delta R.T. -0.00 min
 Lab File: VN064724.D
 Acq: 19 Nov 2020 10:58

Tgt Ion	Ratio	Lower	Upper
96	100		
61	181.7	139.1	208.7
98	64.0	50.2	75.2





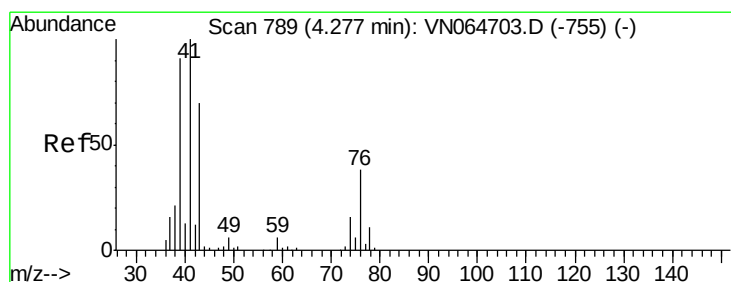
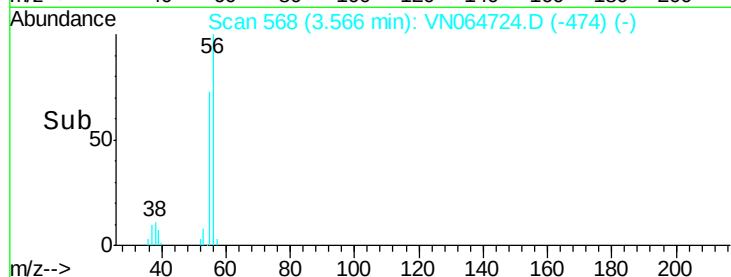
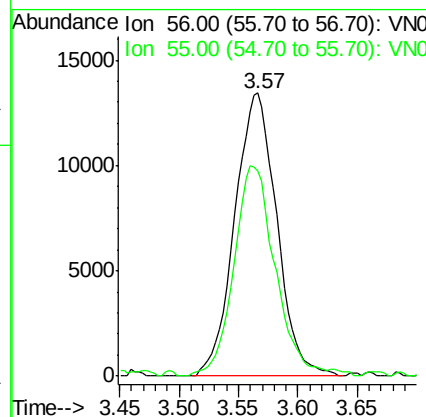
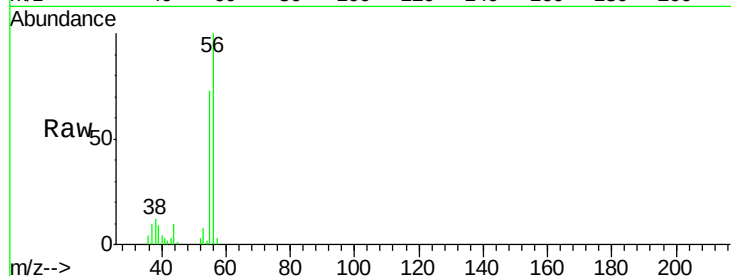
#13
Acrolein
Concen: 294.332 ug/l
RT: 3.57 min Scan# 568
Delta R.T. 0.00 min
Lab File: VN064724.D
Acq: 19 Nov 2020 10:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	32904
Ion Ratio	100	Lower	Upper
55	72.6	61.8	92.6

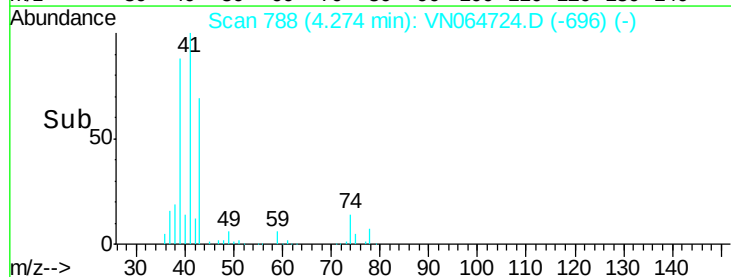
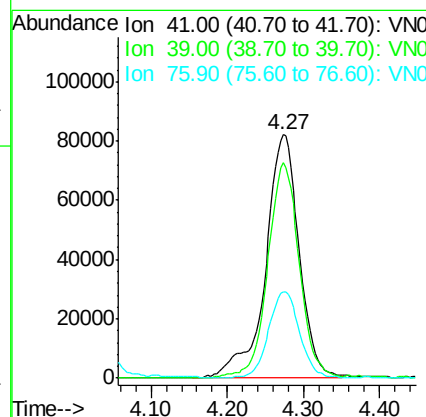
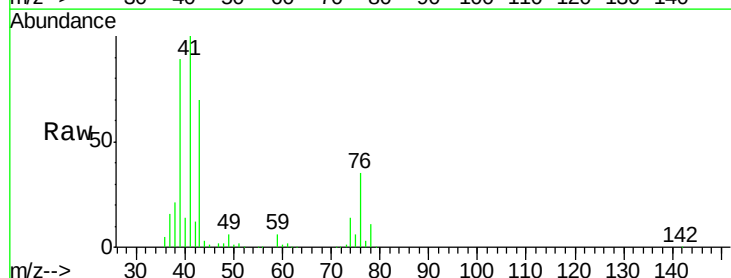
Manual Integrations
APPROVED

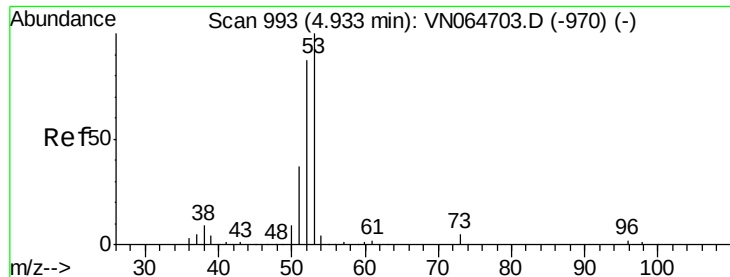
MMDadoda
11/24/2020 3:11:12 PM



#14
Allyl chloride
Concen: 48.900 ug/l
RT: 4.27 min Scan# 788
Delta R.T. -0.00 min
Lab File: VN064724.D
Acq: 19 Nov 2020 10:58

Tgt Ion	41	Resp	252558
Ion Ratio	100	Lower	Upper
39	82.9	66.1	99.1
76	32.2	26.6	40.0





#15

Acrylonitrile

Concen: 247.818 ug/l

RT: 4.93 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN064724.D

Acq: 19 Nov 2020 10:58

Instrument :

MSVOA_N

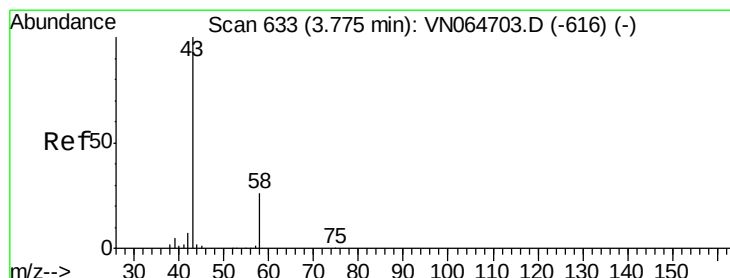
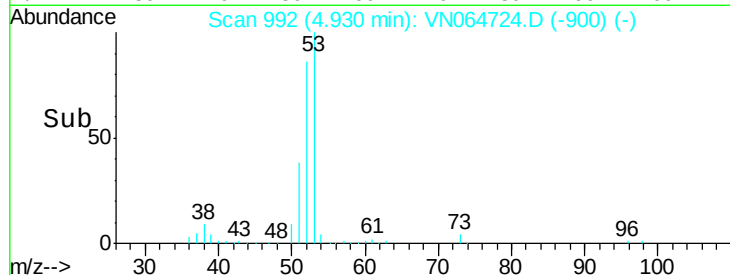
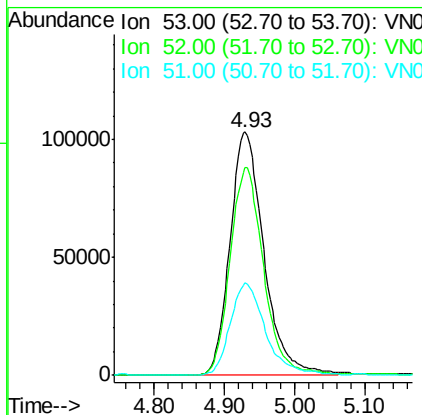
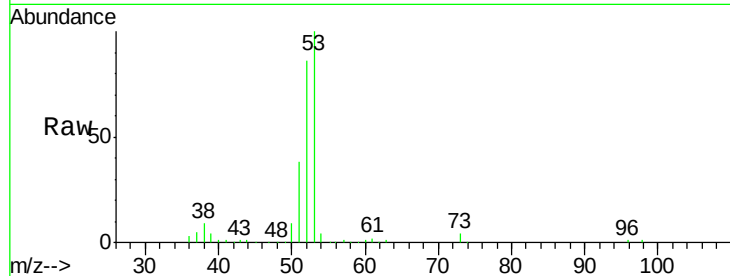
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	347461
Ion Ratio	Lower	Upper	
53	100		
52	84.2	67.2	100.8
51	39.6	31.0	46.6

Manual Integrations
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MMDadoda
11/24/2020 3:11:12 PM



#16

Acetone

Concen: 231.893 ug/l

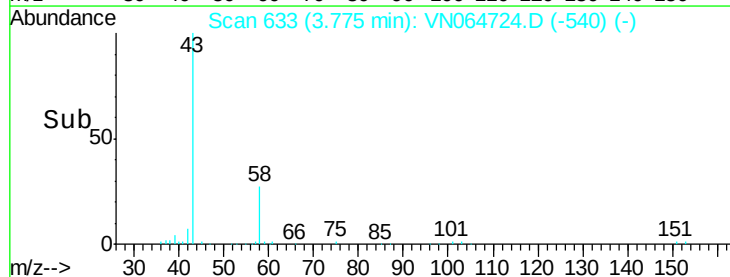
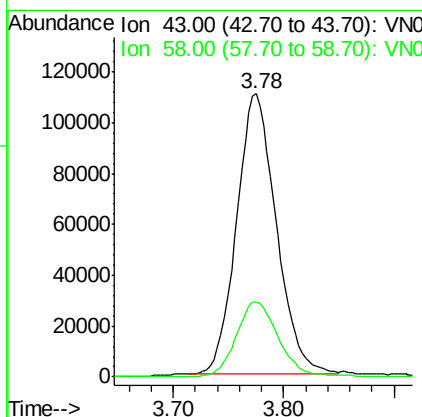
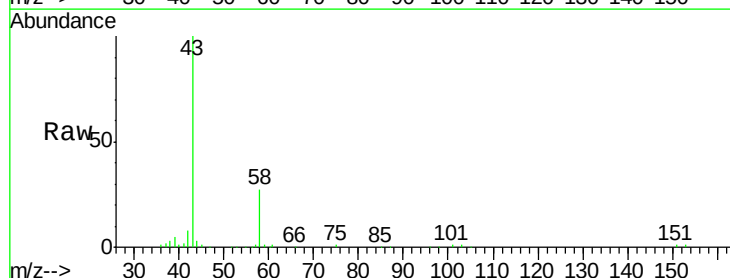
RT: 3.78 min Scan# 633

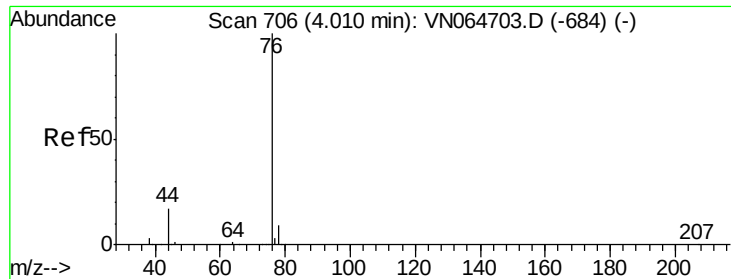
Delta R.T. 0.00 min

Lab File: VN064724.D

Acq: 19 Nov 2020 10:58

Tgt Ion:	43	Resp:	275697
Ion Ratio	Lower	Upper	
43	100		
58	26.8	21.2	31.8





#17

Carbon Disulfide

Concen: 48.125 ug/l

RT: 4.01 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN064724.D

Acq: 19 Nov 2020 10:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 420931

Ion Ratio Lower Upper

76 100

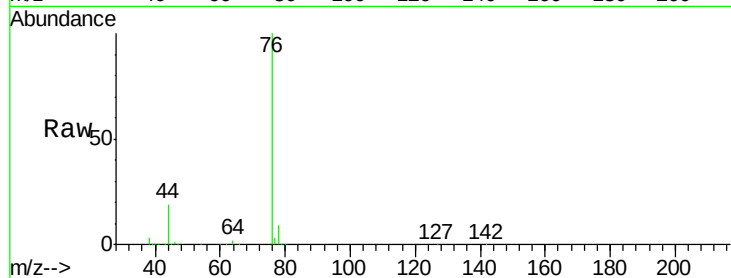
78 8.8 7.1 10.7

Manual Integrations

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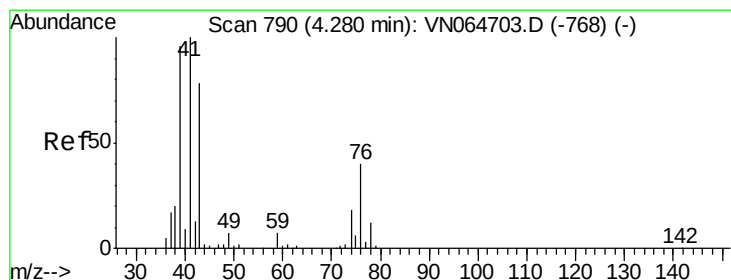
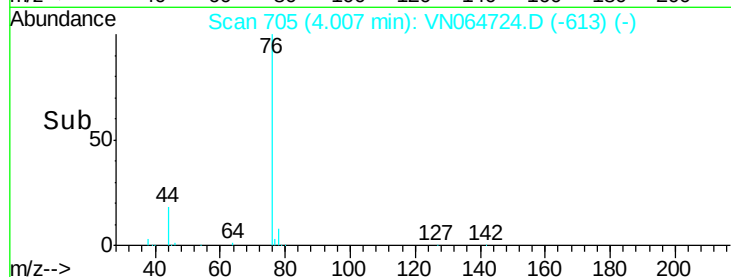
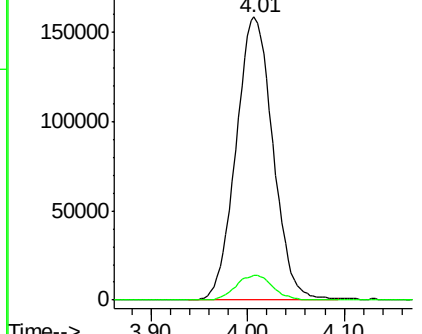
MMDadoda

11/24/2020 3:11:12 PM



Abundance Ion 75.90 (75.60 to 76.60): VN064724.D (-613) (-)

Ion 77.90 (77.60 to 78.60): VN064724.D (-613) (-)



#18

Methyl Acetate

Concen: 46.053 ug/l

RT: 4.28 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN064724.D

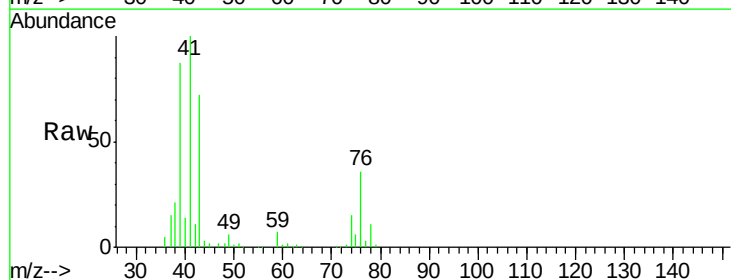
Acq: 19 Nov 2020 10:58

Tgt Ion: 43 Resp: 165942

Ion Ratio Lower Upper

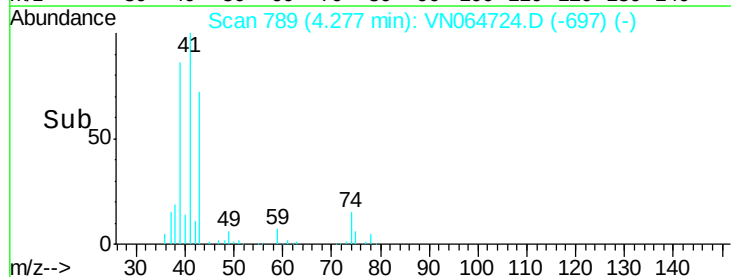
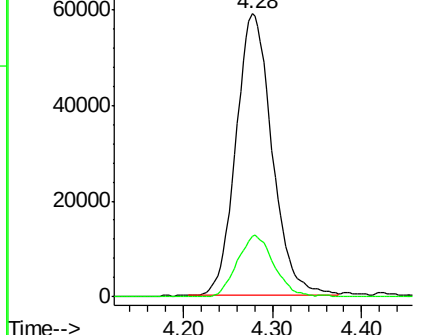
43 100

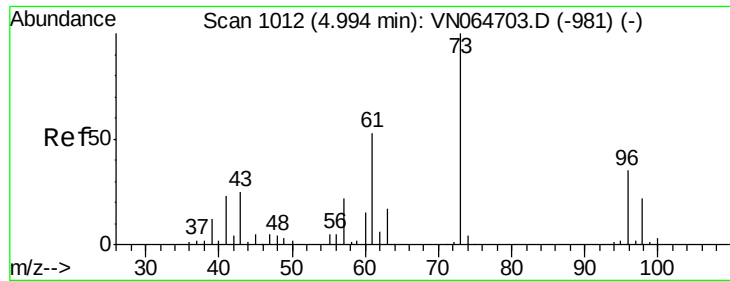
74 22.0 17.6 26.4



Abundance Ion 43.00 (42.70 to 43.70): VN064724.D (-697) (-)

Ion 74.00 (73.70 to 74.70): VN064724.D (-697) (-)





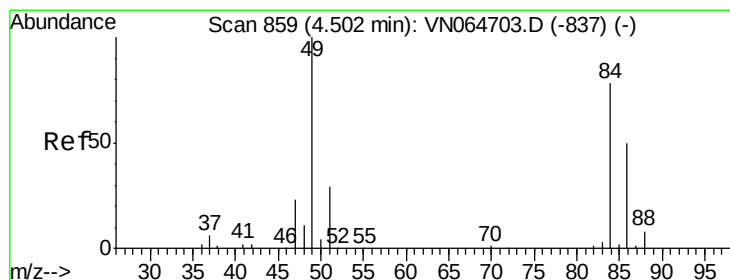
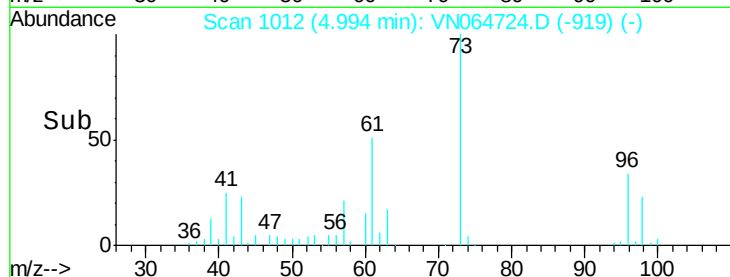
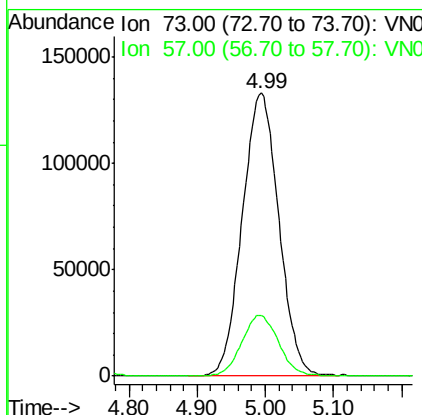
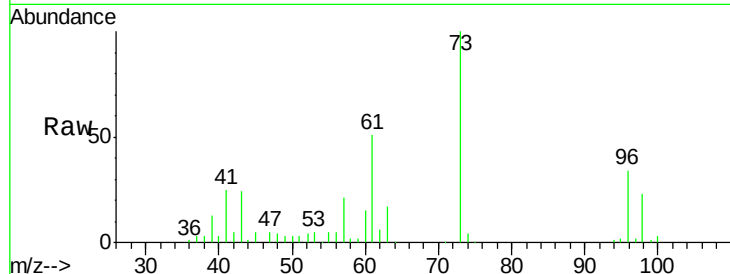
#19
Methvl tert-butyl Ether
Concen: 49.232 ug/l
RT: 4.99 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VN064724.D
Acq: 19 Nov 2020 10:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 495509
Ion Ratio Lower Upper
73 100
57 21.5 17.3 25.9

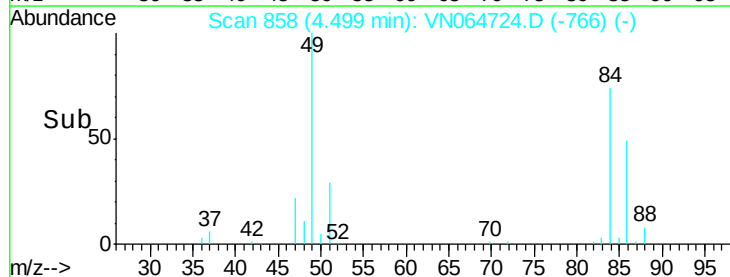
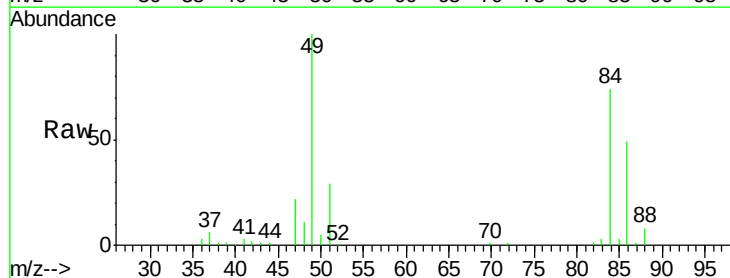
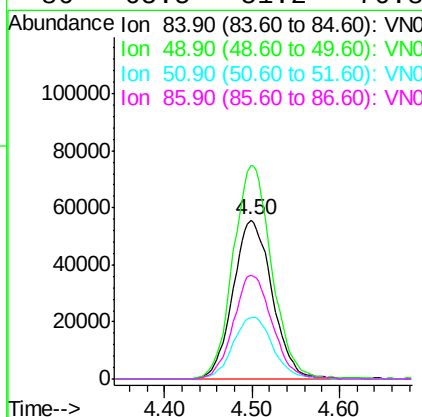
Manual Integrations
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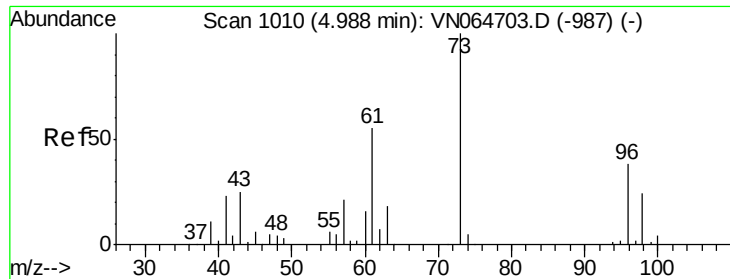
MMDadoda
11/24/2020 3:11:12 PM



#20
Methylene Chloride
Concen: 47.447 ug/l
RT: 4.50 min Scan# 858
Delta R.T. -0.00 min
Lab File: VN064724.D
Acq: 19 Nov 2020 10:58

Tgt Ion: 84 Resp: 172925
Ion Ratio Lower Upper
84 100
49 134.6 102.4 153.6
51 38.8 29.4 44.2
86 65.5 51.2 76.8





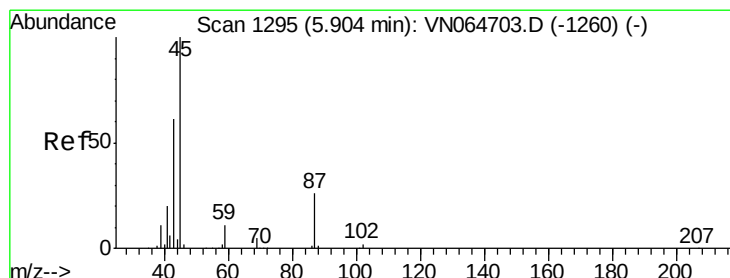
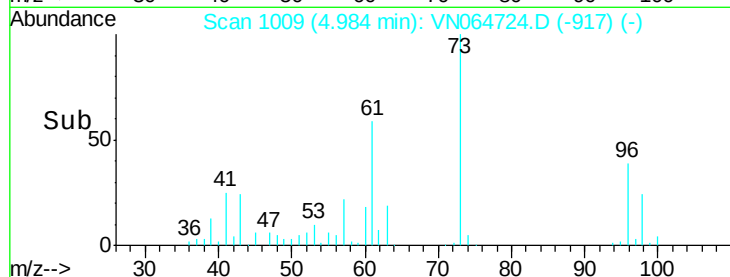
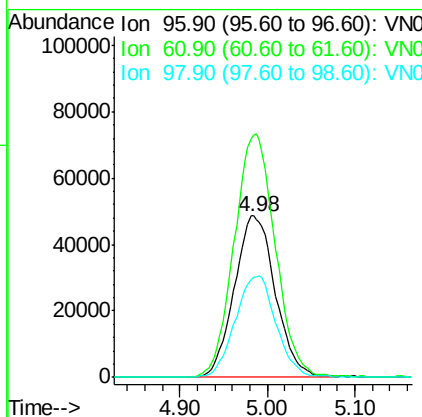
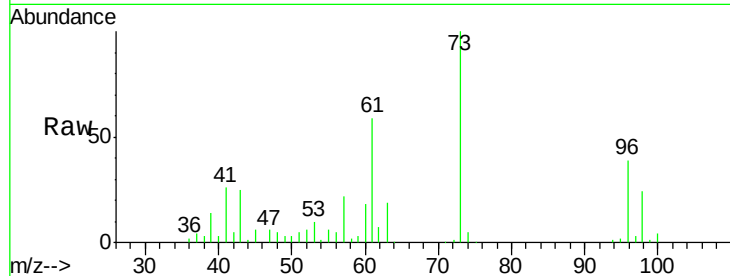
#21
trans-1,2-Dichloroethene
Concen: 47.018 ug/l
RT: 4.98 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN064724.D
Acq: 19 Nov 2020 10:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	150.6	117.9	176.9
98	61.8	51.1	76.7

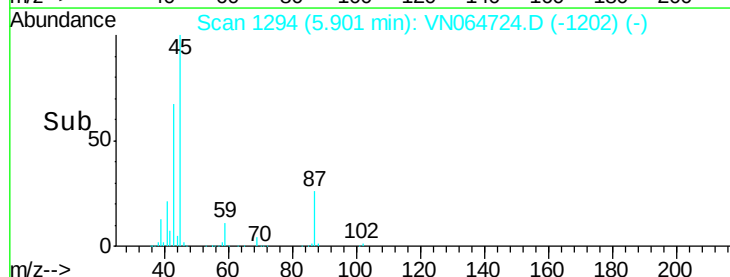
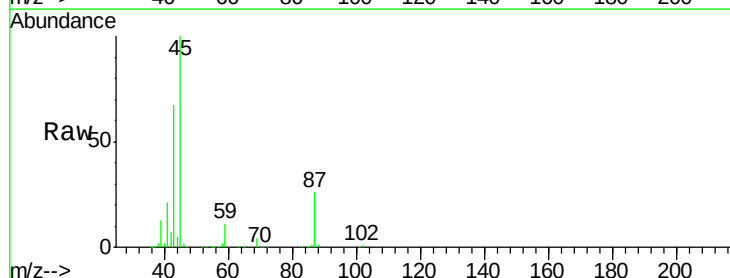
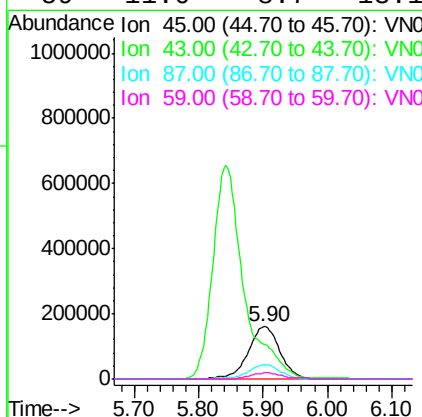
Manual Integrations
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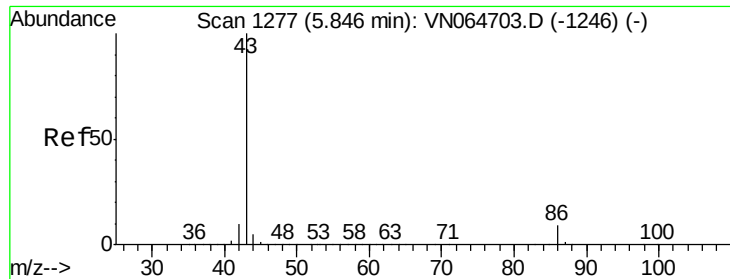
MMDadoda
11/24/2020 3:11:12 PM



#22
Diisopropyl ether
Concen: 50.504 ug/l
RT: 5.90 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VN064724.D
Acq: 19 Nov 2020 10:58

Tgt Ion	Ratio	Lower	Upper
45	100		
43	65.7	52.3	78.5
87	26.3	21.6	32.4
59	11.0	8.7	13.1





#23

Vinyl Acetate

Concen: 250.306 ug/l

RT: 5.84 min Scan# 1276

Delta R.T. -0.00 min

Lab File: VN064724.D

Acq: 19 Nov 2020 10:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2203315

Ion Ratio Lower Upper

43 100

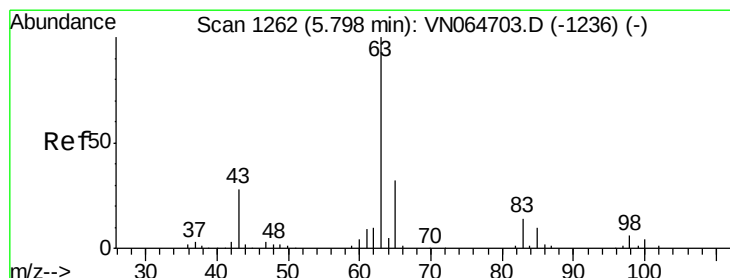
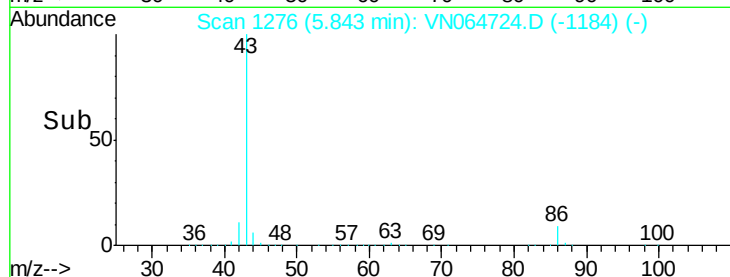
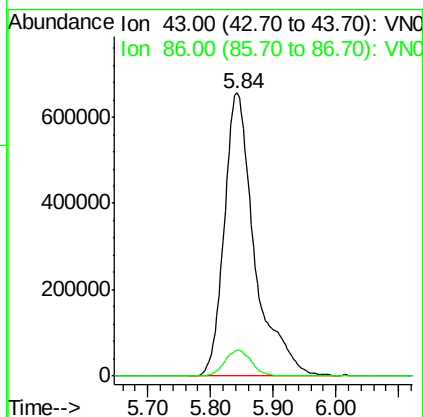
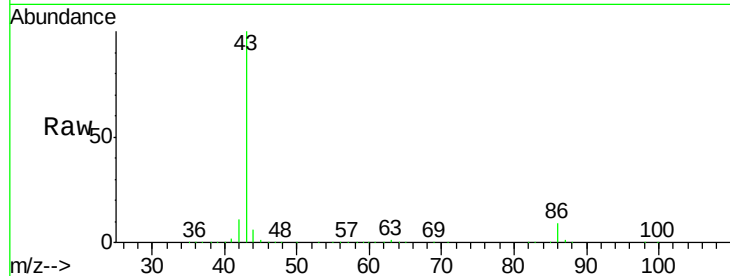
86 9.3 7.4 11.0

Manual Integrations

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11/24/2020 3:11:12 PM



#24

1,1-Dichloroethane

Concen: 48.540 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VN064724.D

Acq: 19 Nov 2020 10:58

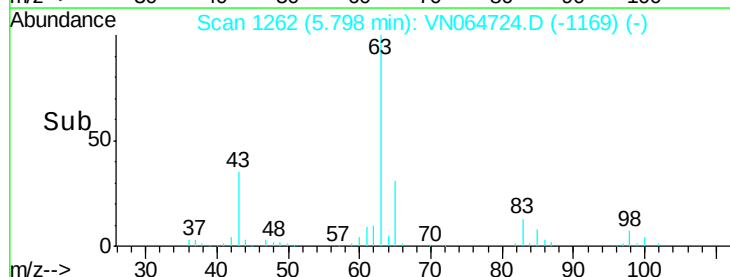
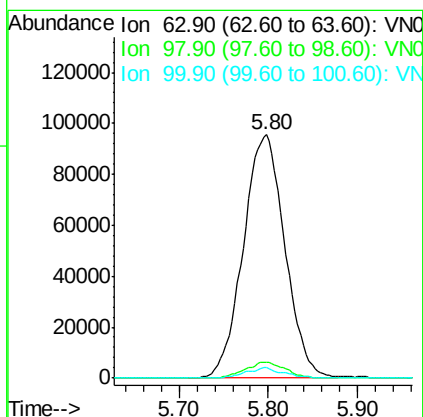
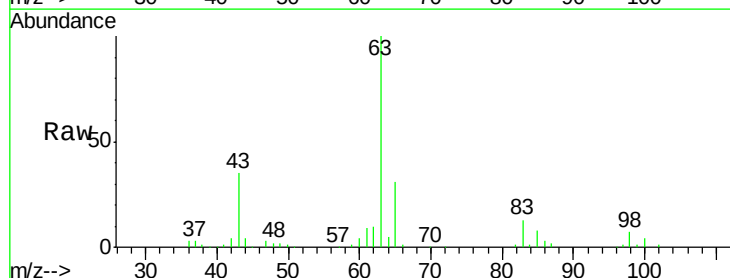
Tgt Ion: 63 Resp: 310184

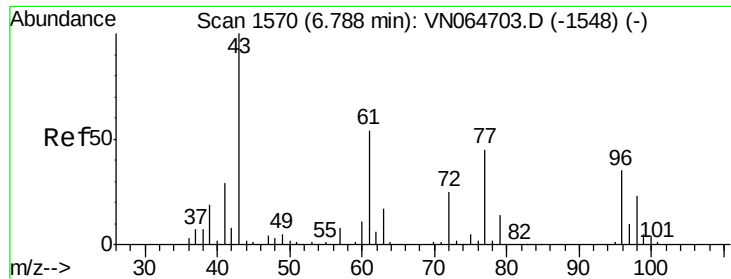
Ion Ratio Lower Upper

63 100

98 6.7 3.2 9.6

100 4.2 1.9 5.7





#25

2-Butanone

Concen: 252.786 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. -0.00 min

Lab File: VN064724.D

Acq: 19 Nov 2020 10:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 475669

Ion Ratio Lower Upper

43 100

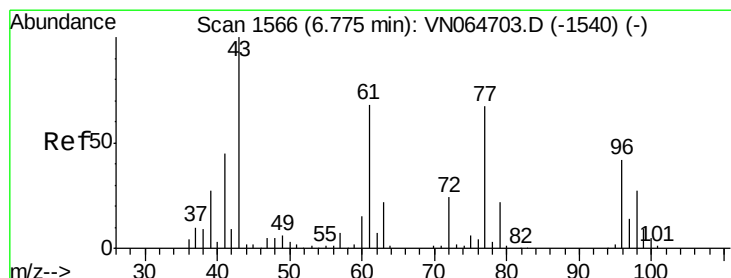
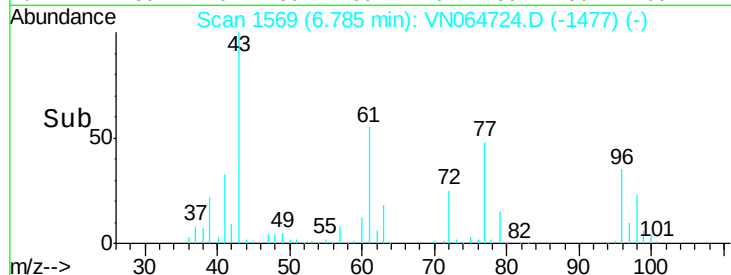
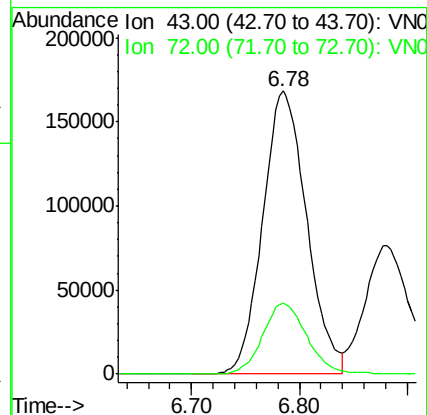
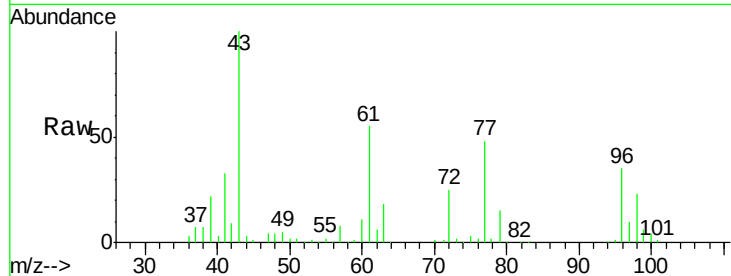
72 25.0 19.7 29.5

Manual Integrations

APPROVED

MMDadoda

11/24/2020 3:11:12 PM



#26

2,2-Dichloropropane

Concen: 48.245 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN064724.D

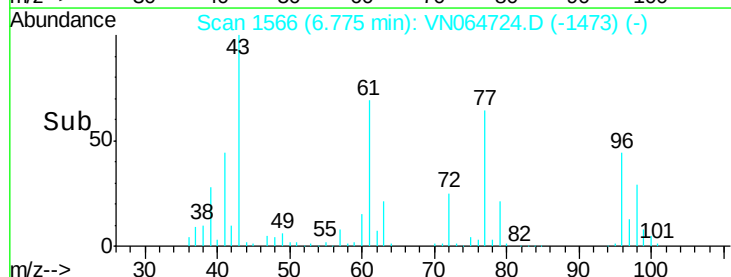
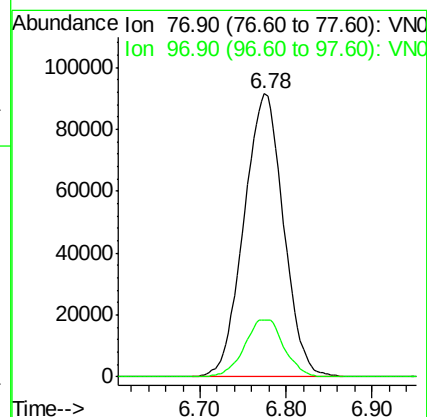
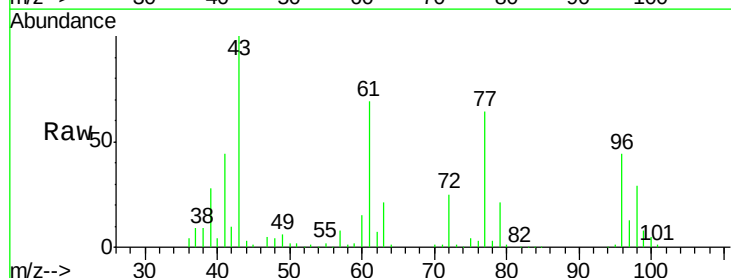
Acq: 19 Nov 2020 10:58

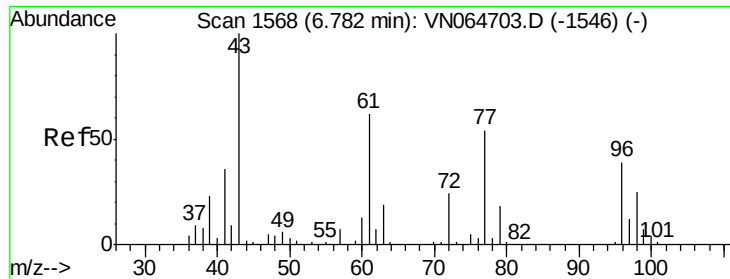
Tgt Ion: 77 Resp: 292960

Ion Ratio Lower Upper

77 100

97 20.1 10.5 31.5





#27

cis-1,2-Dichloroethene

Concen: 49.045 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN064724.D

Acq: 19 Nov 2020 10:58

Instrument :

MSVOA_N

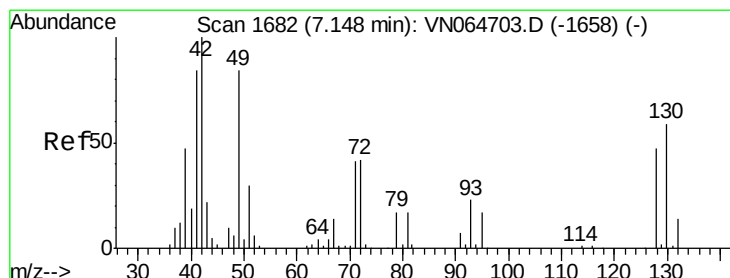
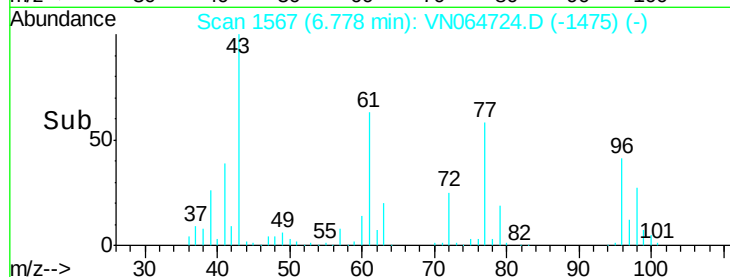
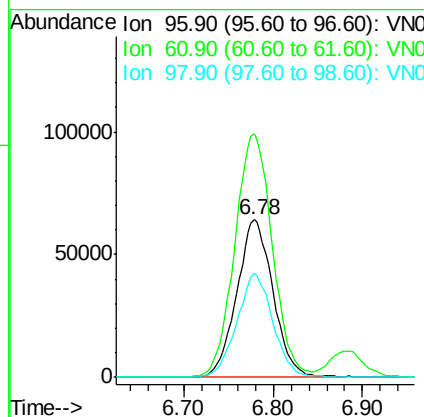
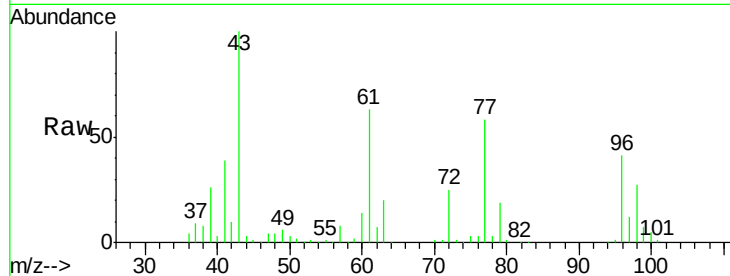
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	181479
Ion	Ratio	Lower	Upper
96	100		
61	160.0	0.0	322.6
98	65.3	0.0	128.6

Manual Integrations
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11/24/2020 3:11:12 PM



#28

Bromochloromethane

Concen: 48.508 ug/l

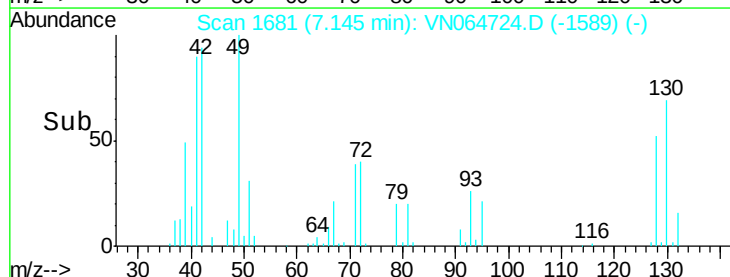
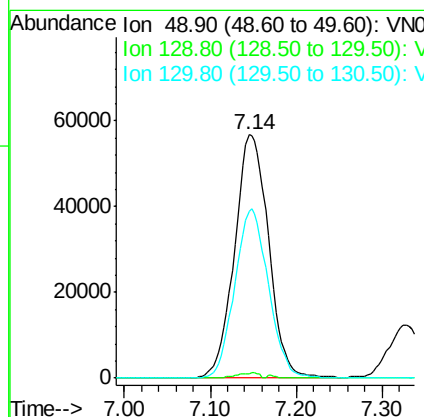
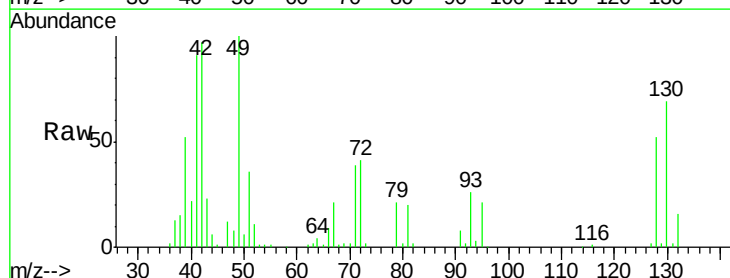
RT: 7.14 min Scan# 1681

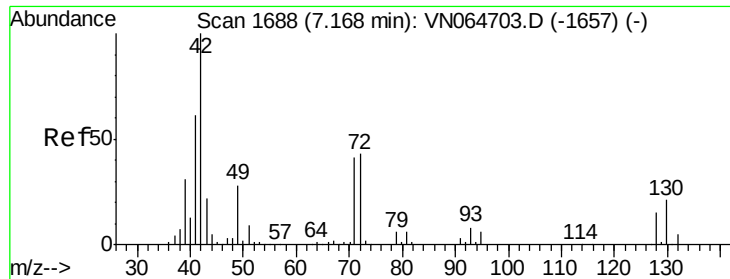
Delta R.T. -0.00 min

Lab File: VN064724.D

Acq: 19 Nov 2020 10:58

Tgt Ion:	49	Resp:	156295
Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.8
130	68.6	56.2	84.4





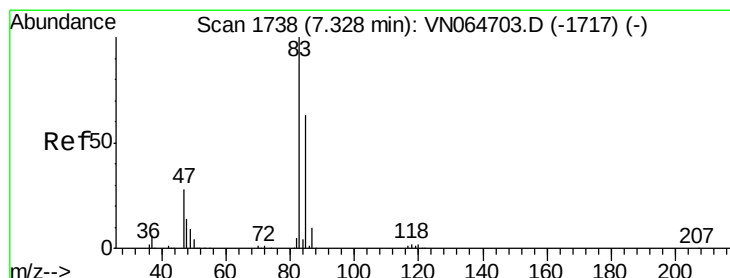
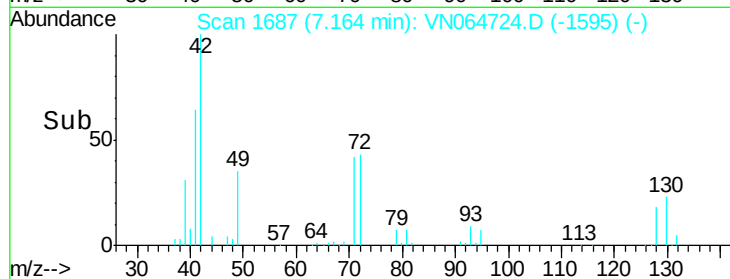
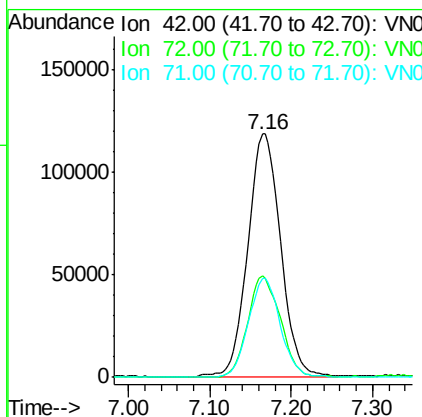
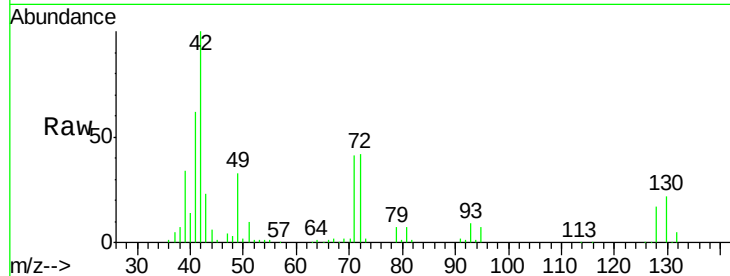
#29
Tetrahydrofuran
Concen: 257.615 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VN064724.D
Acq: 19 Nov 2020 10:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.8	33.0	49.4
71	39.7	31.8	47.6

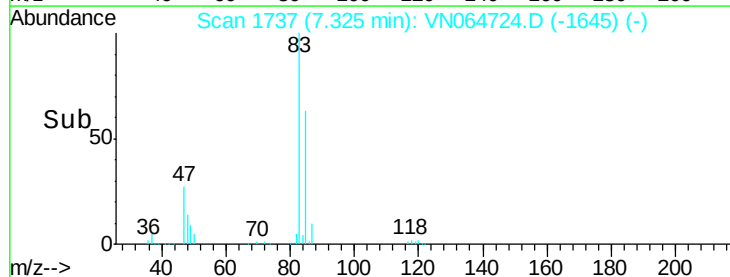
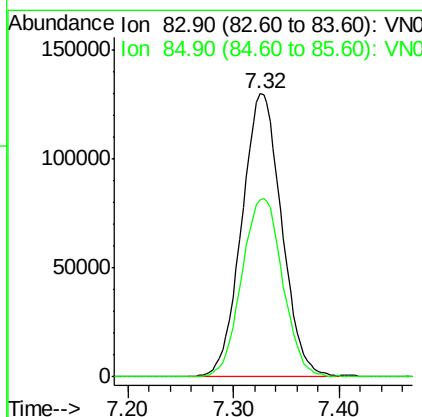
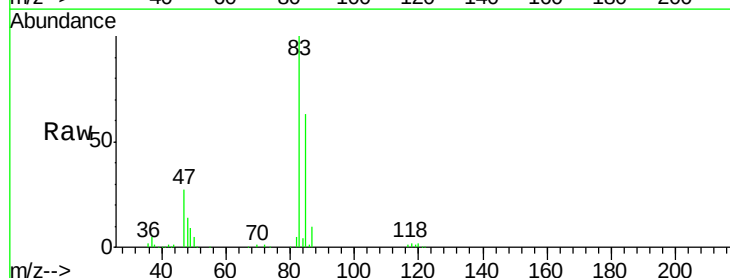
Manual Integrations
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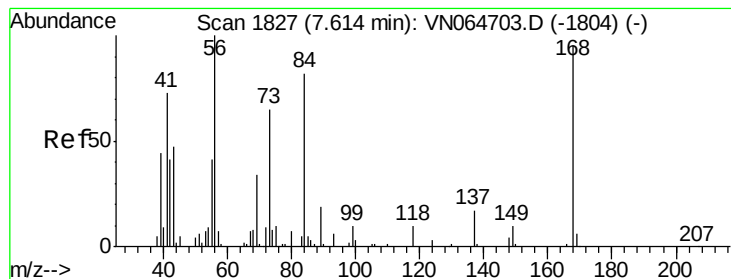
MMDadoda
11/24/2020 3:11:12 PM



#30
Chloroform
Concen: 49.170 ug/l
RT: 7.32 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN064724.D
Acq: 19 Nov 2020 10:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.7	50.6	75.8





#31

Cyclohexane

Concen: 47.209 ug/l

RT: 7.61 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN064724.D

Acq: 19 Nov 2020 10:58

Instrument :

MSVOA_N

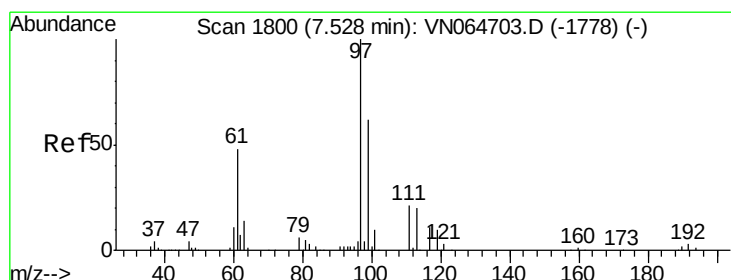
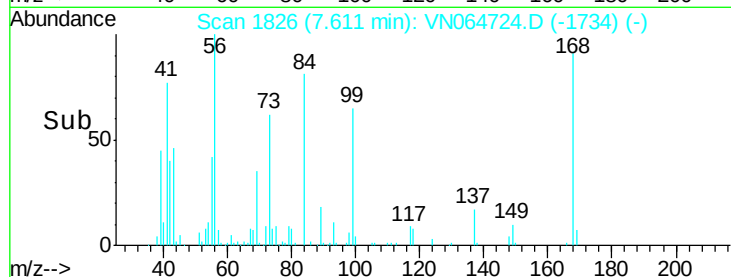
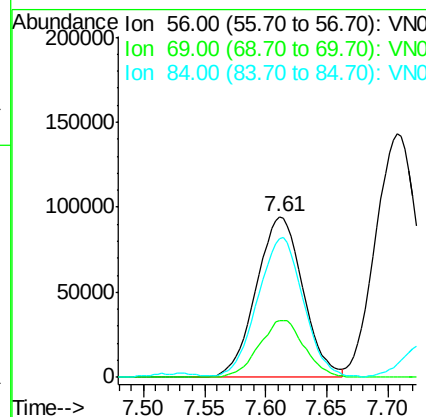
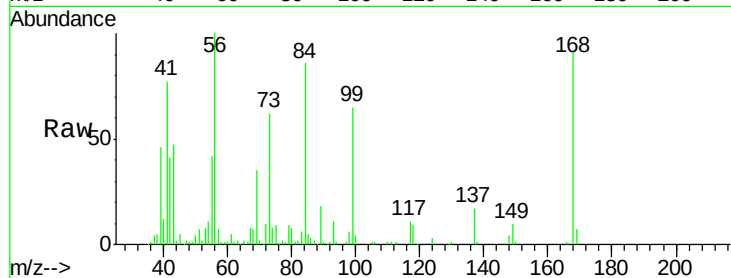
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	251202
Ion	Ratio	Lower	Upper
56	100		
69	35.5	27.2	40.8
84	84.6	65.9	98.9

Manual Integrations
APPROVED

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#32

1,1,1-Trichloroethane

Concen: 48.719 ug/l

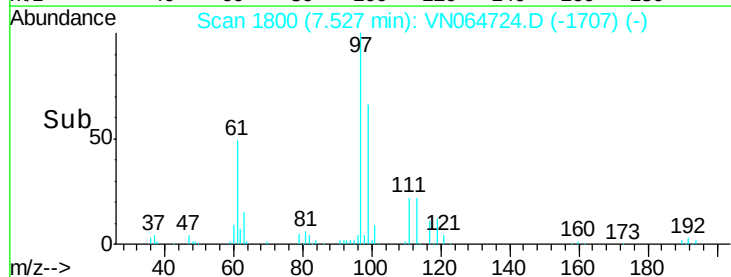
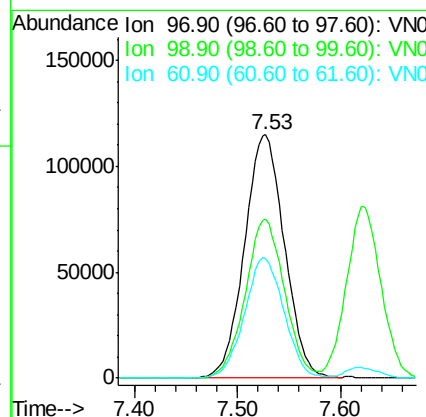
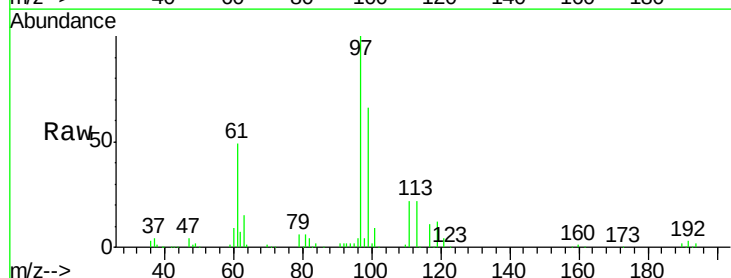
RT: 7.53 min Scan# 1800

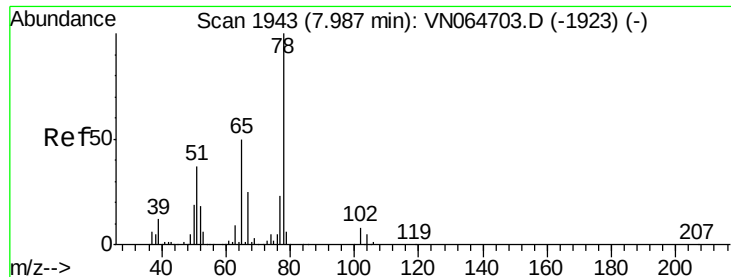
Delta R.T. -0.00 min

Lab File: VN064724.D

Acq: 19 Nov 2020 10:58

Tgt Ion:	97	Resp:	309243
Ion	Ratio	Lower	Upper
97	100		
99	64.1	50.6	76.0
61	48.7	38.3	57.5





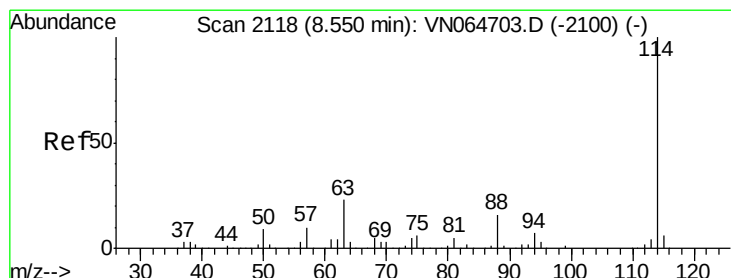
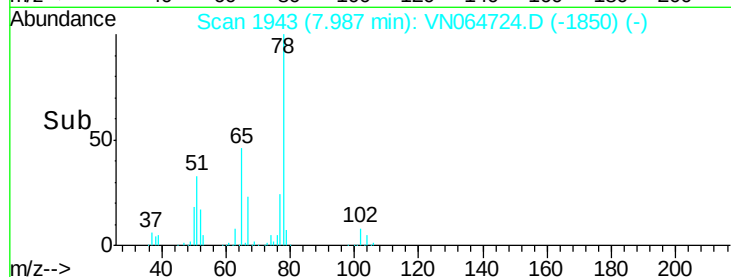
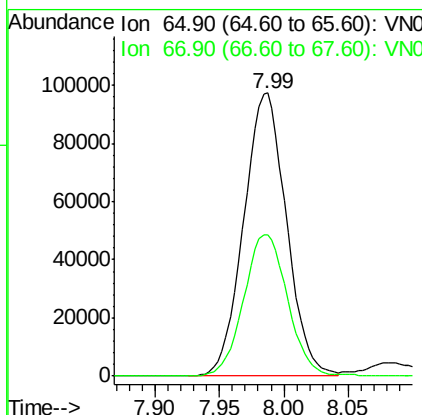
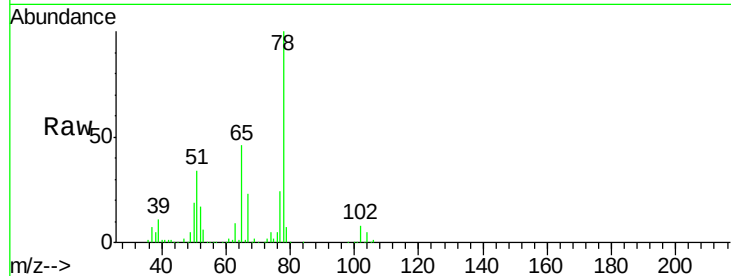
#33
 1,2-Dichloroethane-d4
 Concen: 45.680 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN064724.D
 Acq: 19 Nov 2020 10:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	224826		
67	51.1	0.0	99.8	

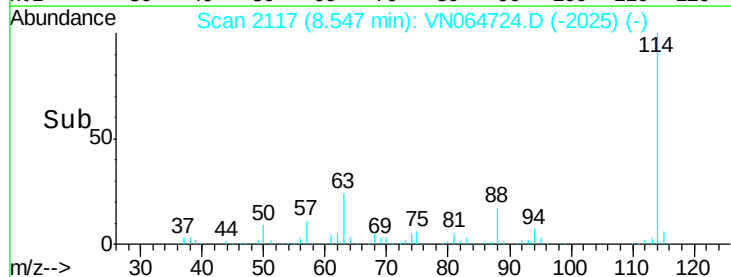
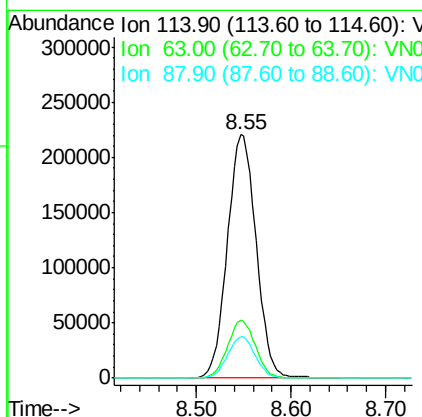
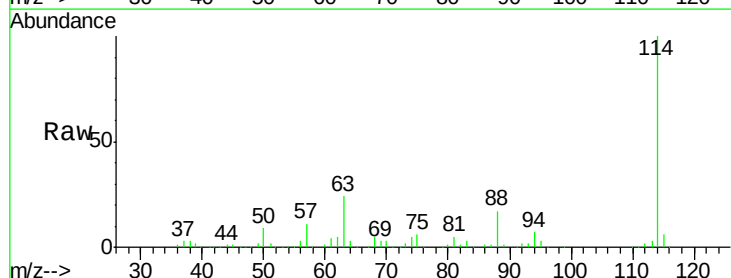
Manual Integrations
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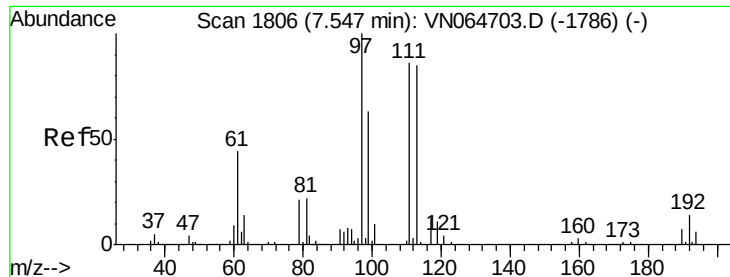
MMDadoda
 11/24/2020 3:11:12 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VN064724.D
 Acq: 19 Nov 2020 10:58

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	465363		
63	23.6	0.0	46.0	
88	16.8	0.0	31.2	





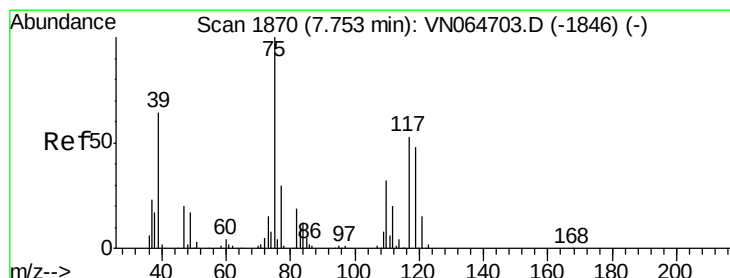
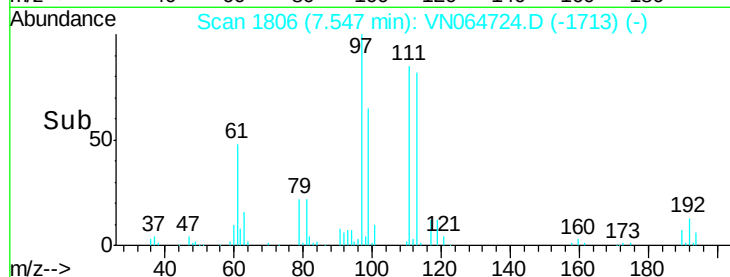
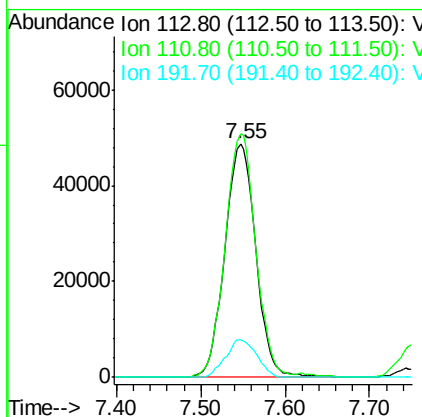
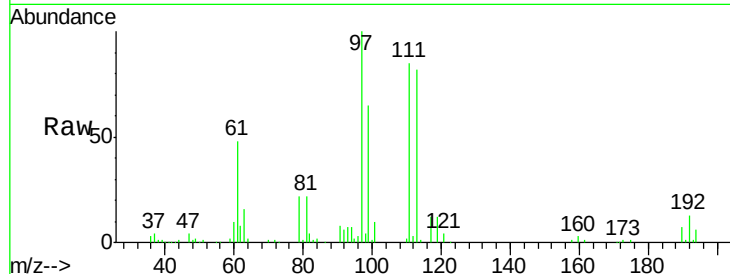
#35
 Dibromofluoromethane
 Concen: 47.043 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN064724.D
 Acq: 19 Nov 2020 10:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	124605		
111	102.7	82.2	123.4	
192	16.1	12.7	19.1	

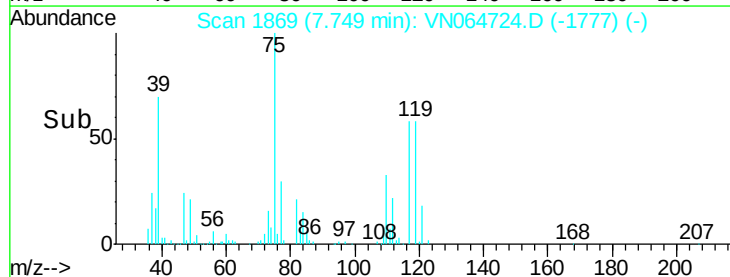
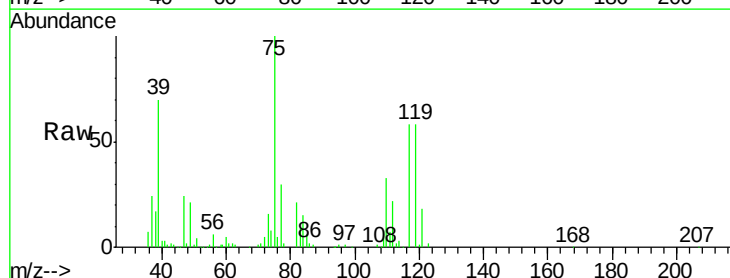
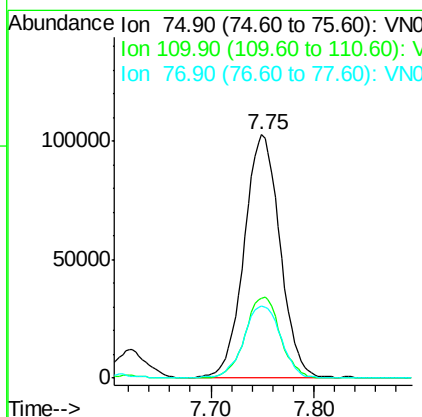
Manual Integrations
 APPROVED

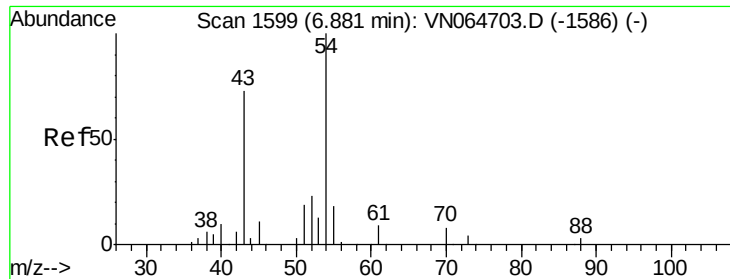
MMDadoda
 11/24/2020 3:11:12 PM



#36
 1,1-Dichloropropene
 Concen: 51.516 ug/l
 RT: 7.75 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VN064724.D
 Acq: 19 Nov 2020 10:58

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	246641		
110	32.8	16.2	48.6	
77	31.0	24.4	36.6	





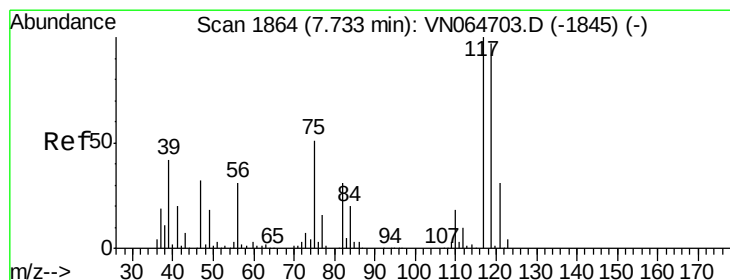
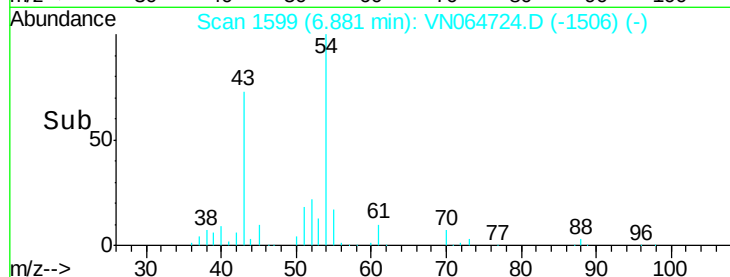
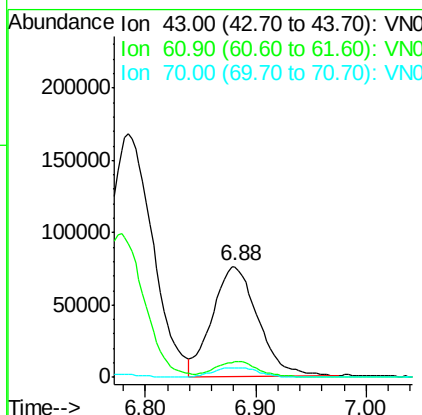
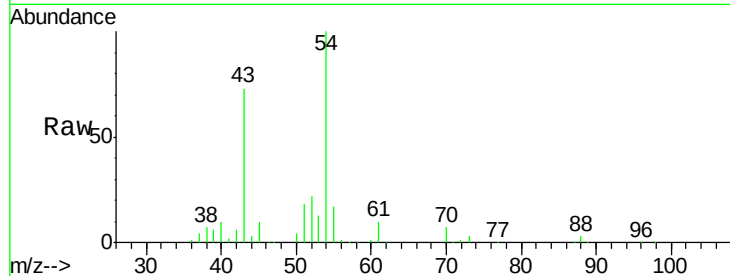
#37
Ethyl Acetate
Concen: 54.042 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN064724.D
Acq: 19 Nov 2020 10:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.4	15.6
70	8.8	7.6	11.4

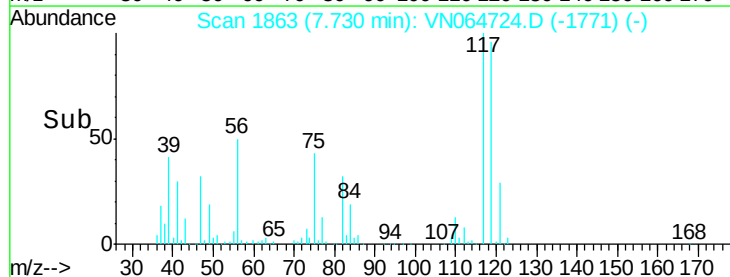
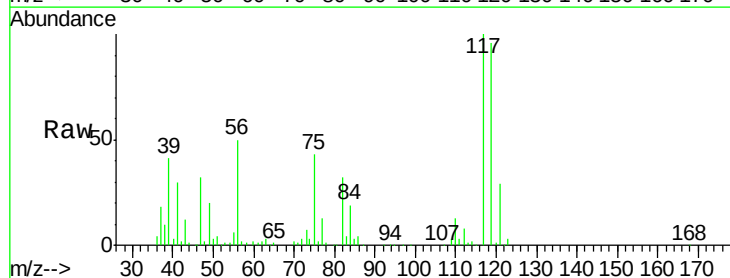
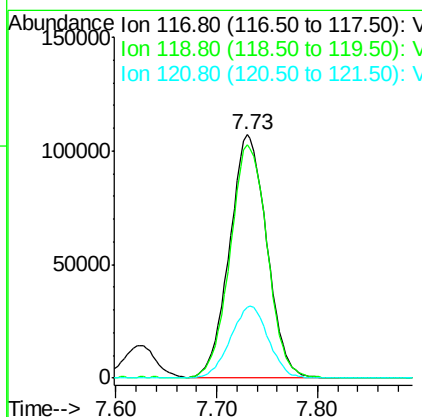
Manual Integrations
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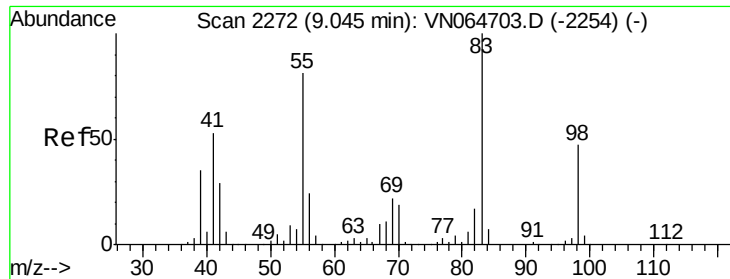
MMDadoda
11/24/2020 3:11:12 PM



#38
Carbon Tetrachloride
Concen: 54.038 ug/l
RT: 7.73 min Scan# 1863
Delta R.T. -0.00 min
Lab File: VN064724.D
Acq: 19 Nov 2020 10:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.5	77.8	116.6
121	29.2	24.9	37.3





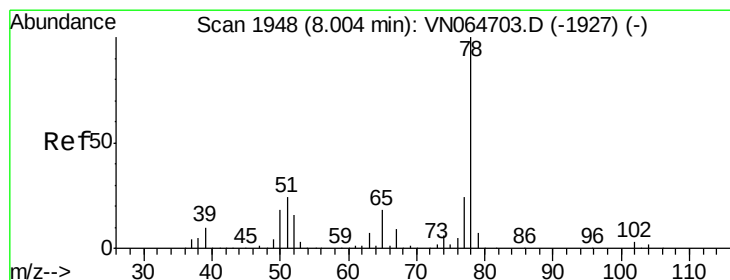
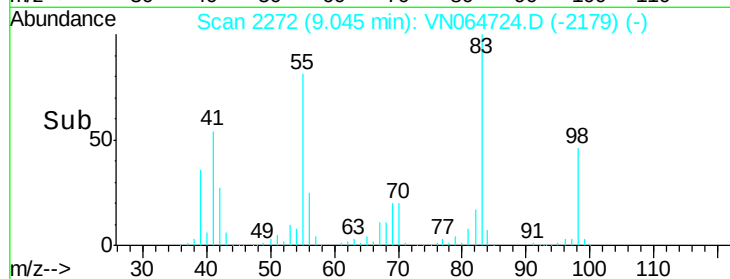
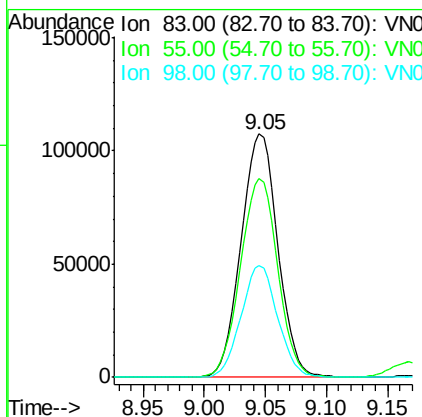
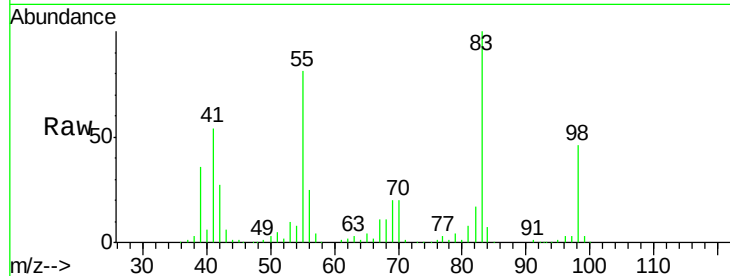
#39
Methylvlcyclohexane
Concen: 52.711 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN064724.D
Acq: 19 Nov 2020 10:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	81.4	64.6	97.0	
98	46.1	37.7	56.5	

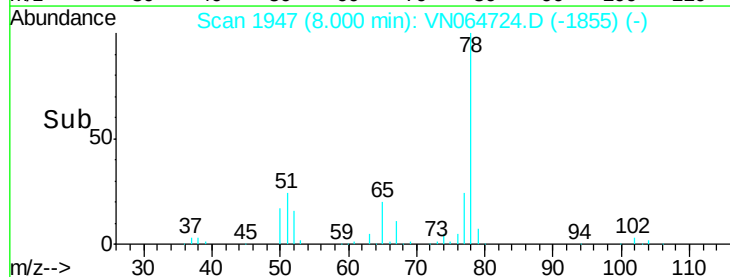
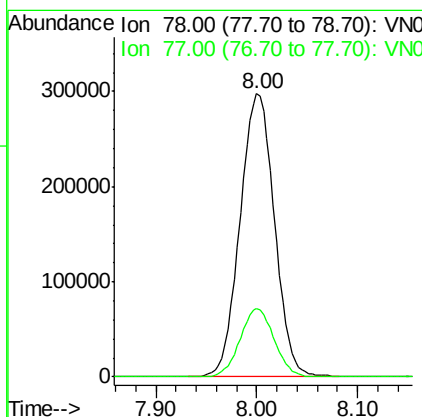
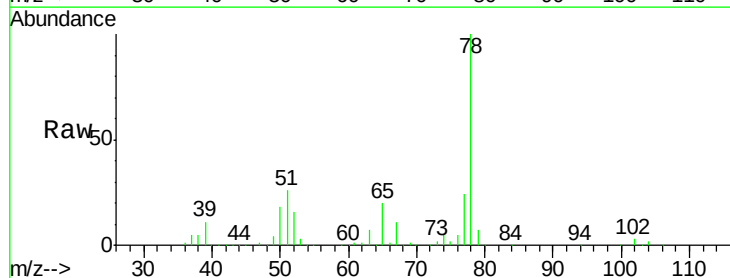
Manual Integrations
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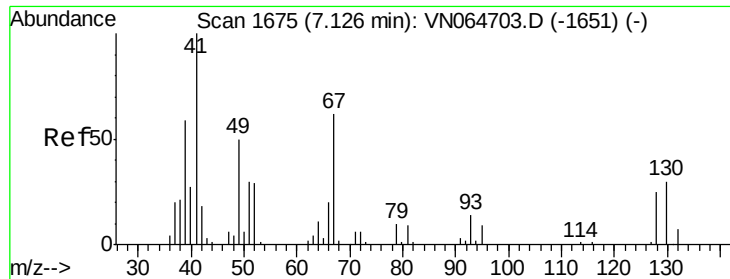
MMDadoda
11/24/2020 3:11:12 PM



#40
Benzene
Concen: 52.774 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN064724.D
Acq: 19 Nov 2020 10:58

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.3	19.2	28.8	





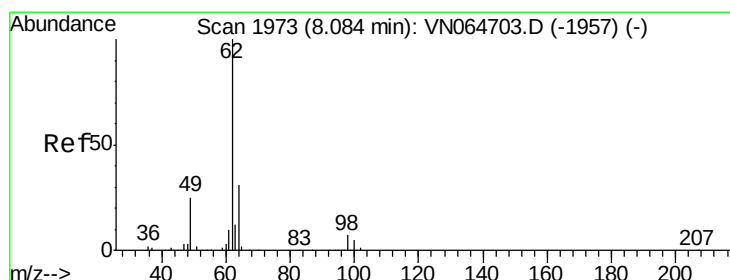
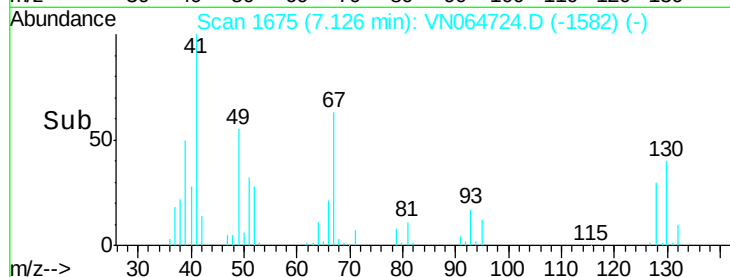
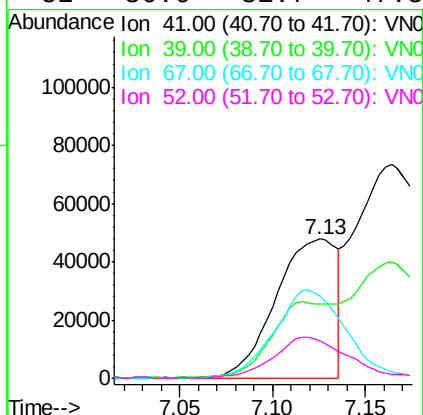
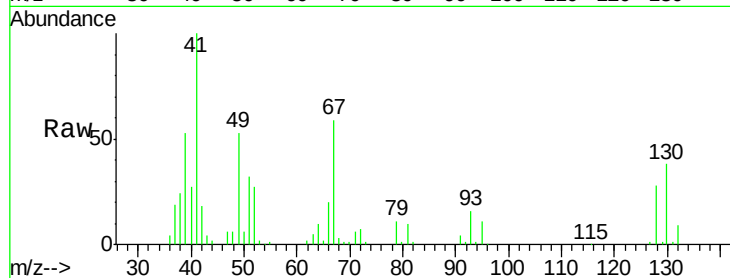
#41
Methacrylonitrile
Concen: 59.421 ug/l
RT: 7.13 min Scan# 1675
Delta R.T. -0.00 min
Lab File: VN064724.D
Acq: 19 Nov 2020 10:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	109184
Ion Ratio	Lower	Upper	
41	100		
39	47.4	46.0	69.0
67	74.7	67.0	100.4
52	36.6	31.7	47.5

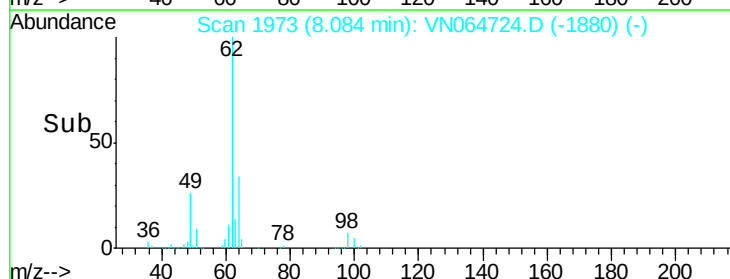
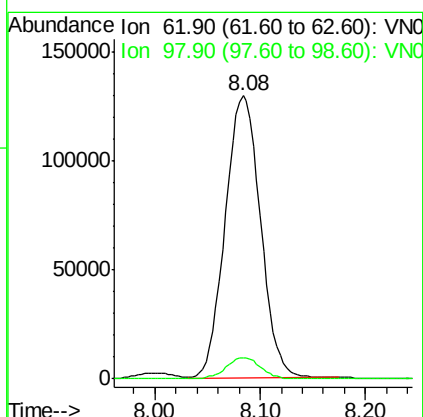
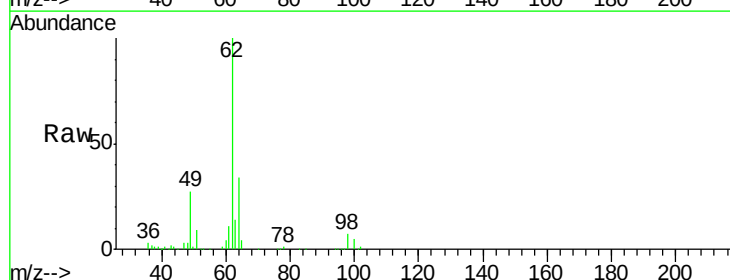
Manual Integrations
APPROVED

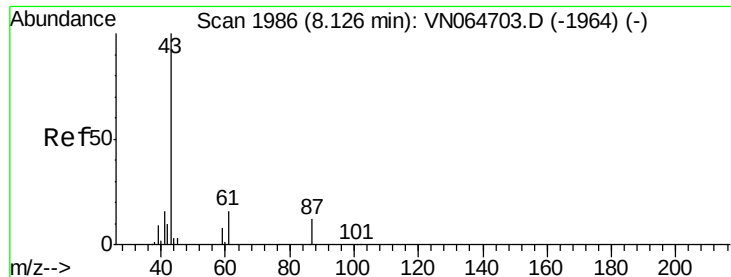
MMDadoda
11/24/2020 3:11:12 PM



#42
1,2-Dichloroethane
Concen: 52.518 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN064724.D
Acq: 19 Nov 2020 10:58

Tgt Ion	62	Resp	301431
Ion Ratio	Lower	Upper	
62	100		
98	7.3	0.0	13.6





#43

Isopropyl Acetate

Concen: 49.565 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN064724.D

Acq: 19 Nov 2020 10:58

Instrument :

MSVOA_N

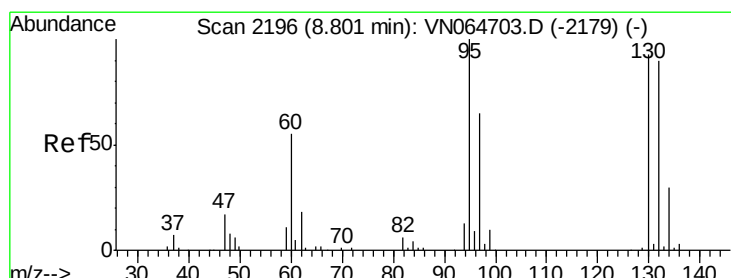
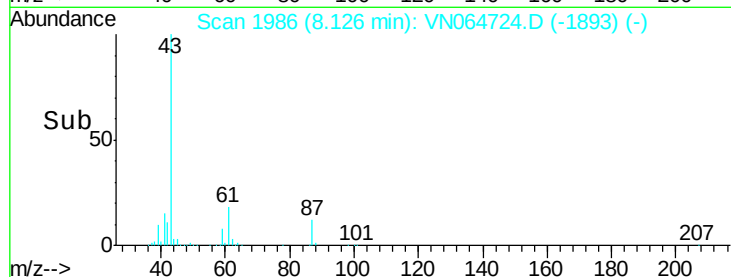
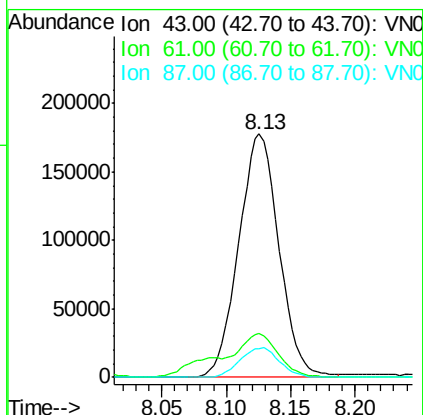
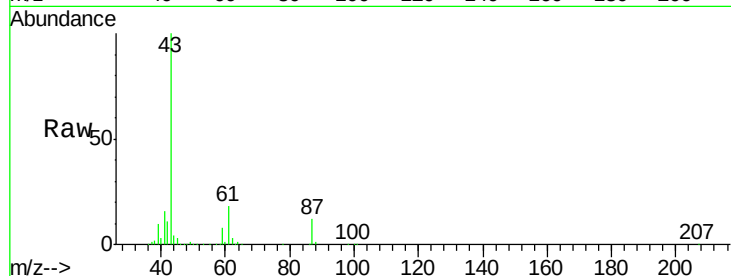
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	385140
Ion	Ratio	Lower	Upper
43	100		
61	17.4	14.1	21.1
87	12.1	9.1	13.7

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#44

Trichloroethene

Concen: 50.390 ug/l

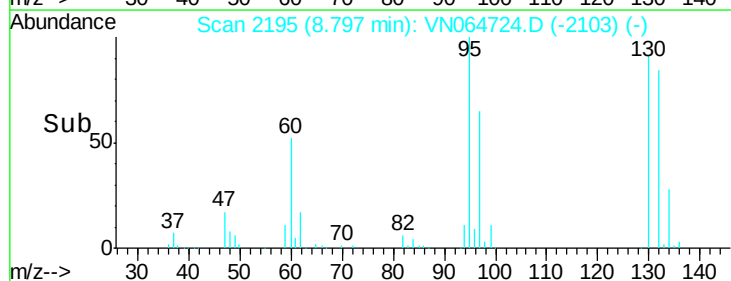
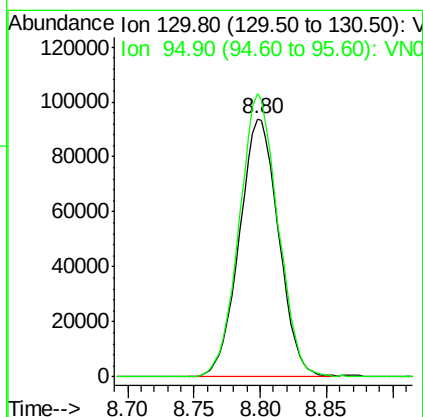
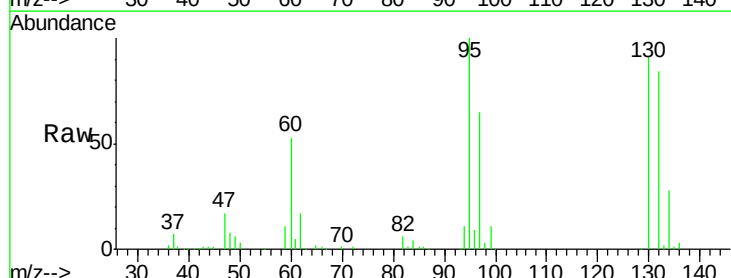
RT: 8.80 min Scan# 2195

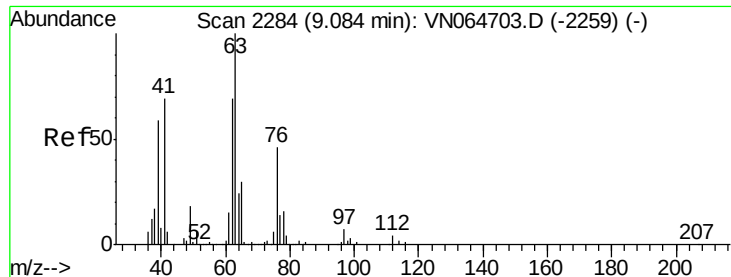
Delta R.T. -0.00 min

Lab File: VN064724.D

Acq: 19 Nov 2020 10:58

Tgt Ion:	130	Resp:	192914
Ion	Ratio	Lower	Upper
130	100		
95	109.7	0.0	214.2





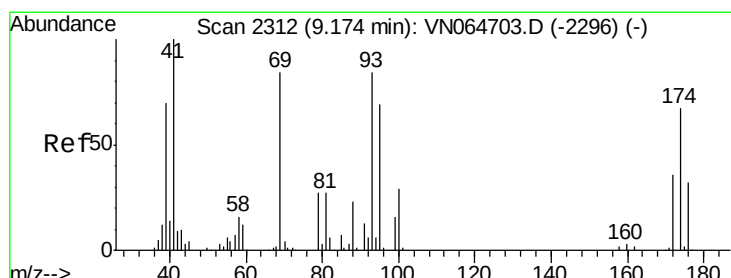
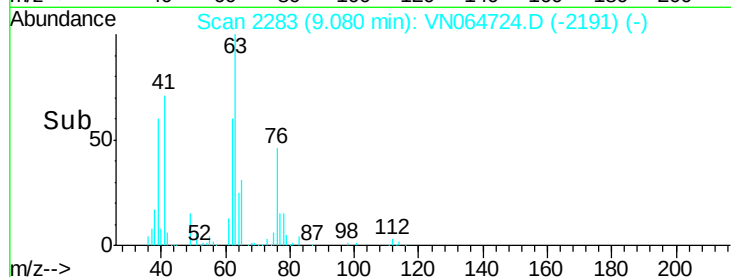
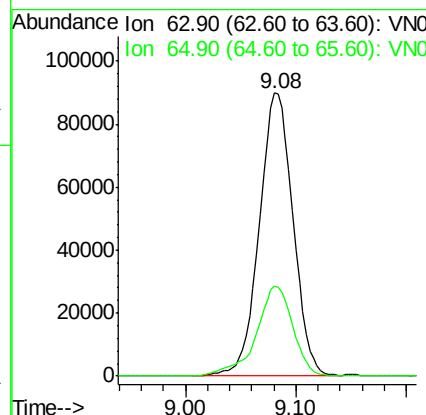
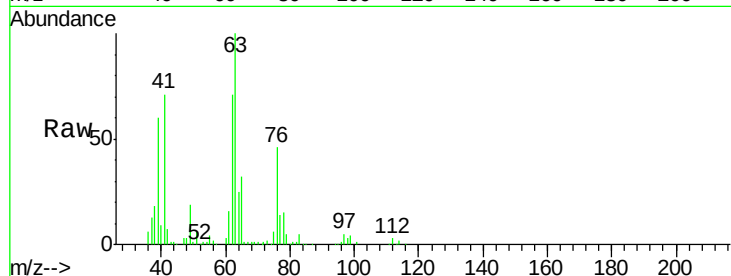
#45
 1,2-Dichloropropane
 Concen: 53.654 ug/l
 RT: 9.08 min Scan# 2283
 Delta R.T. -0.00 min
 Lab File: VN064724.D
 Acq: 19 Nov 2020 10:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 190784
 Ion Ratio Lower Upper
 63 100
 65 31.8 24.0 36.0

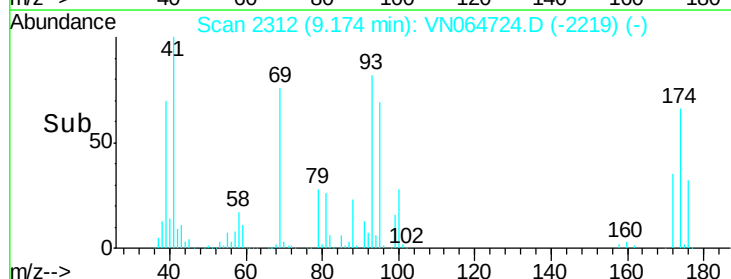
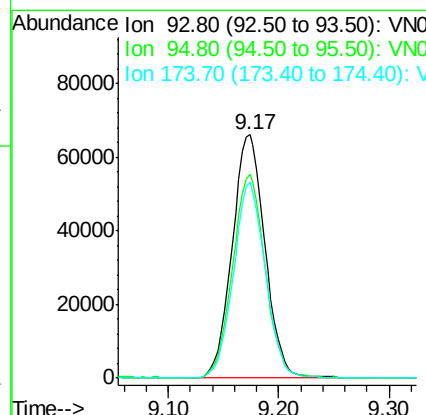
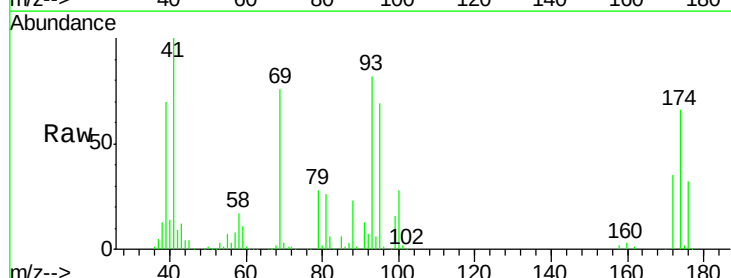
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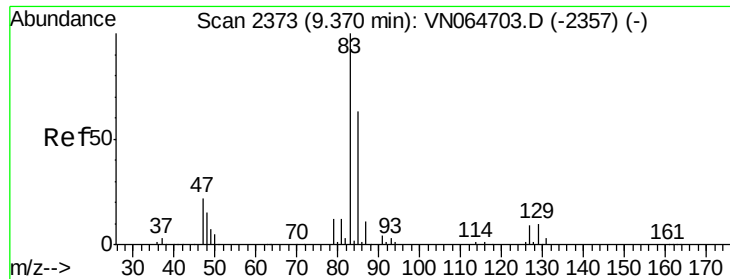
MMDadoda
 11/24/2020 3:11:12 PM



#46
 Dibromomethane
 Concen: 54.078 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN064724.D
 Acq: 19 Nov 2020 10:58

Tgt Ion: 93 Resp: 136307
 Ion Ratio Lower Upper
 93 100
 95 83.2 64.6 97.0
 174 78.3 64.3 96.5





#47

Bromodichloromethane

Concen: 53.639 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN064724.D

Acq: 19 Nov 2020 10:58

Instrument :

MSVOA_N

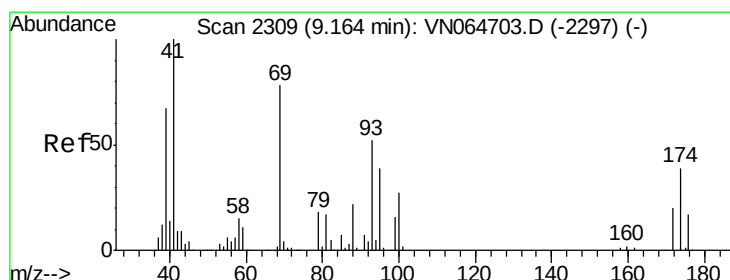
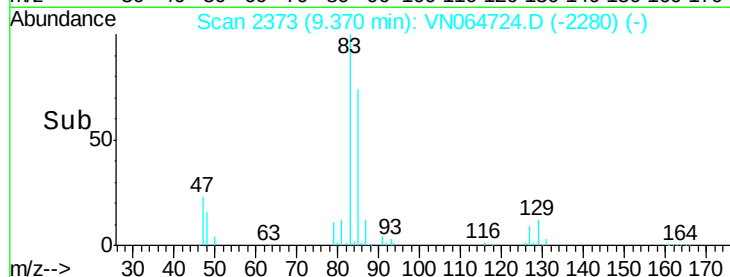
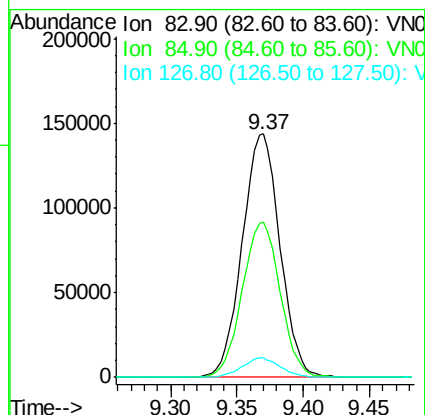
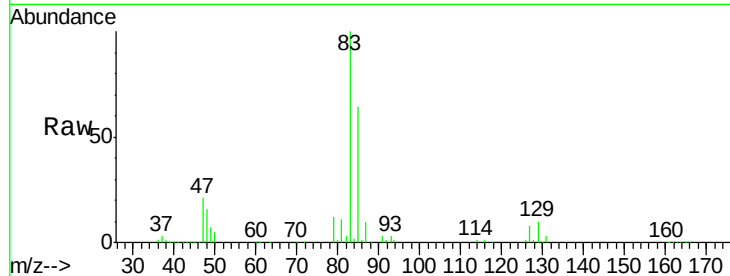
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	284225
Ion Ratio	Lower	Upper	
83	100		
85	63.8	50.8	76.2
127	7.9	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 53.543 ug/l

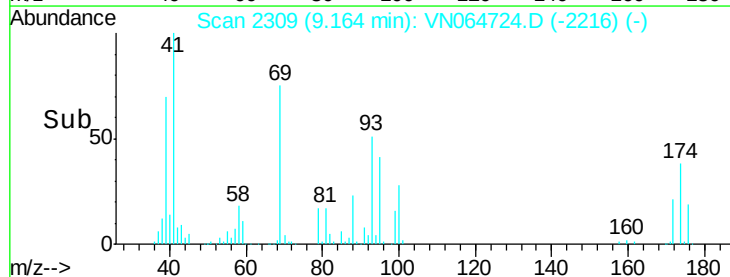
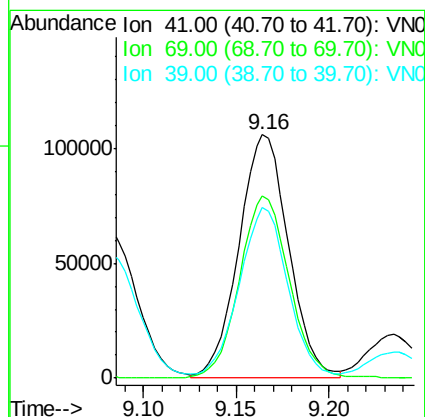
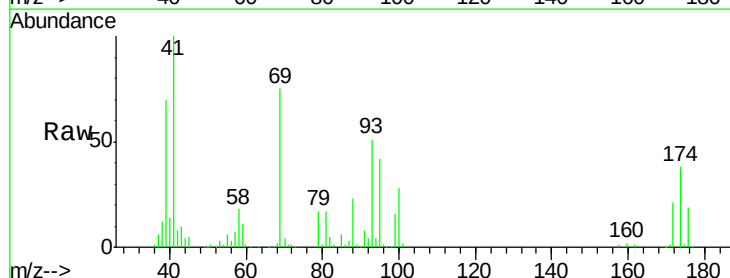
RT: 9.16 min Scan# 2309

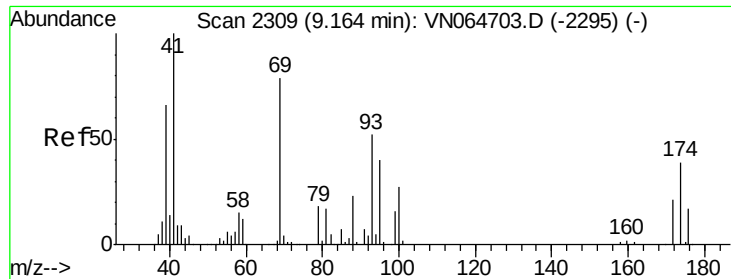
Delta R.T. -0.00 min

Lab File: VN064724.D

Acq: 19 Nov 2020 10:58

Tgt Ion:	41	Resp:	196308
Ion Ratio	Lower	Upper	
41	100		
69	75.6	62.3	93.5
39	69.4	55.1	82.7





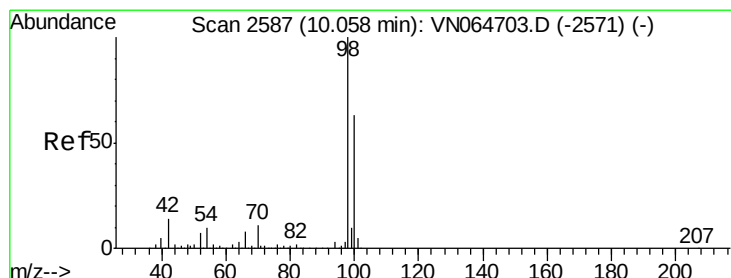
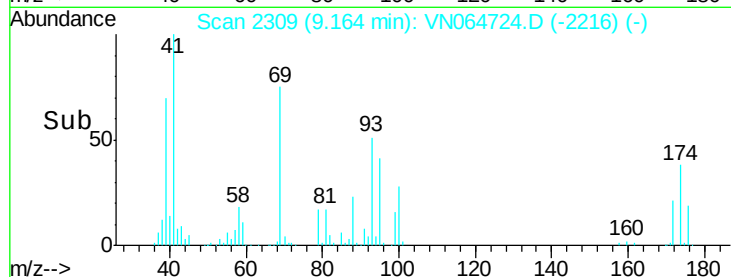
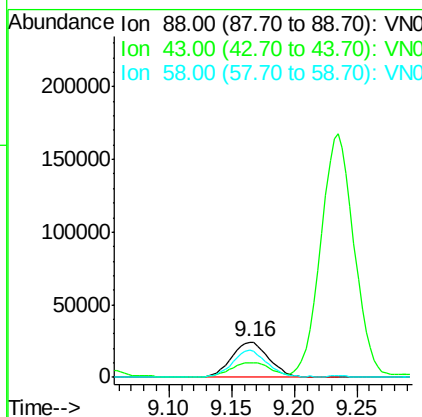
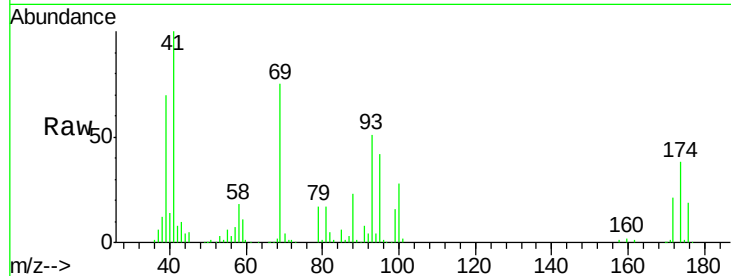
#49
1,4-Dioxane
Concen: 1098.875 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN064724.D
Acq: 19 Nov 2020 10:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	43.0	31.3	46.9
58	72.2	55.7	83.5

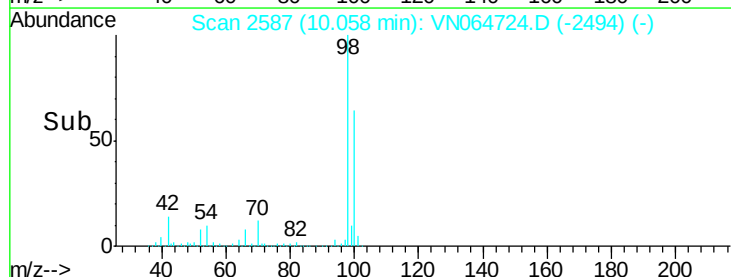
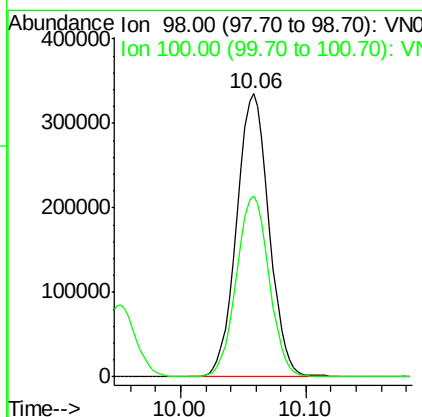
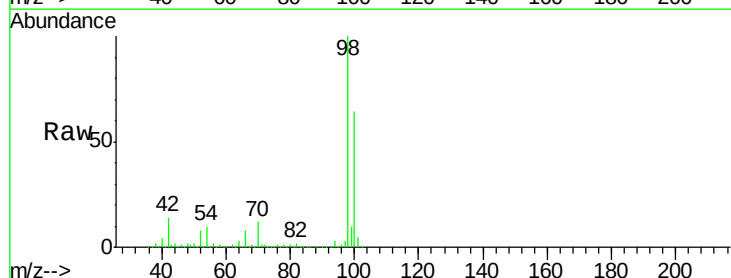
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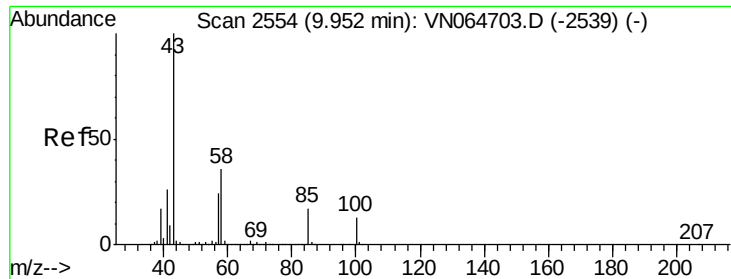
MMDadoda
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#50
Toluene-d8
Concen: 50.059 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN064724.D
Acq: 19 Nov 2020 10:58

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	50.4	75.6





#51

4-Methyl-2-Pentanone

Concen: 252.757 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN064724.D

Acq: 19 Nov 2020 10:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1185922

Ion Ratio Lower Upper

43 100

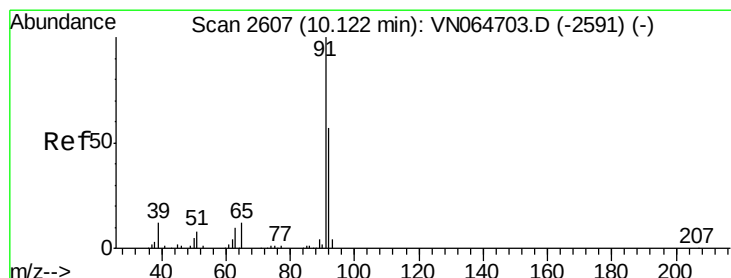
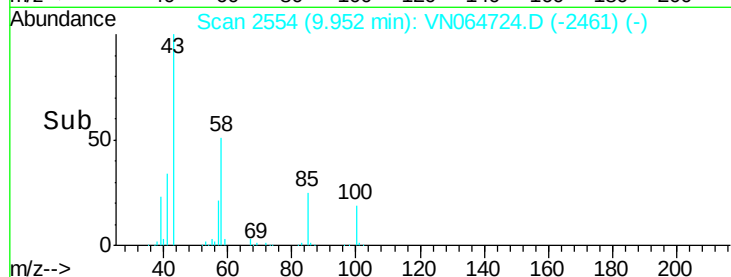
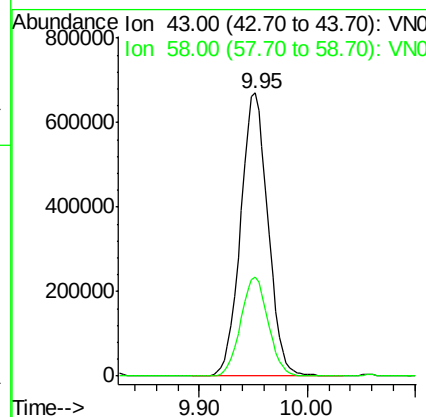
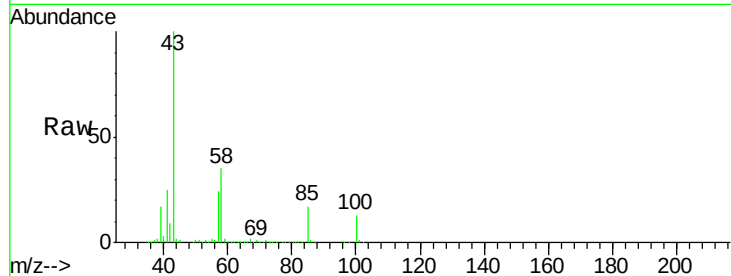
58 35.2 28.5 42.7

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#52

Toluene

Concen: 55.499 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064724.D

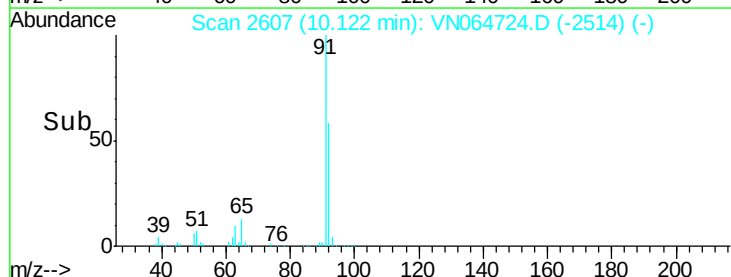
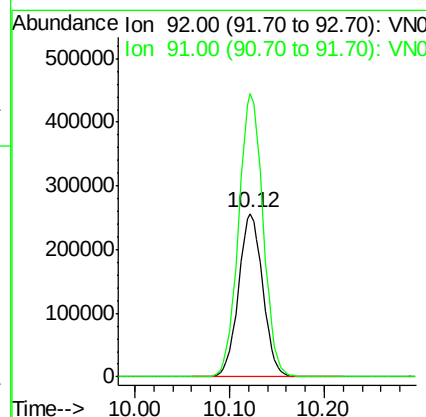
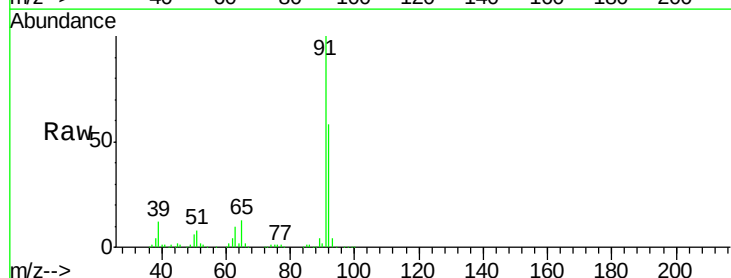
Acq: 19 Nov 2020 10:58

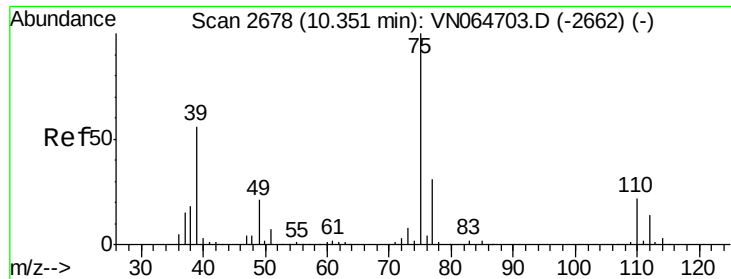
Tgt Ion: 92 Resp: 455986

Ion Ratio Lower Upper

92 100

91 175.3 141.2 211.8





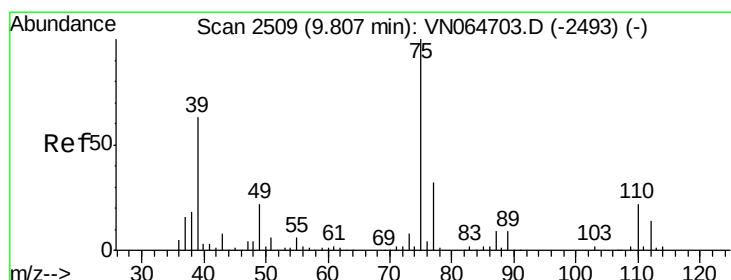
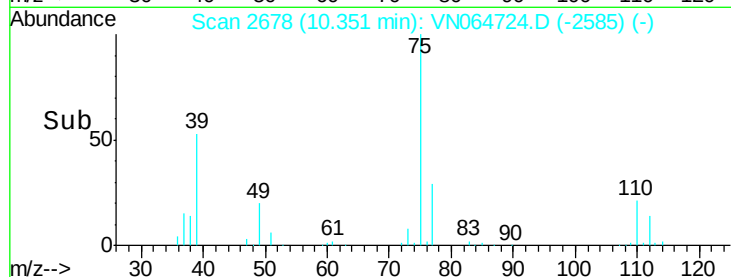
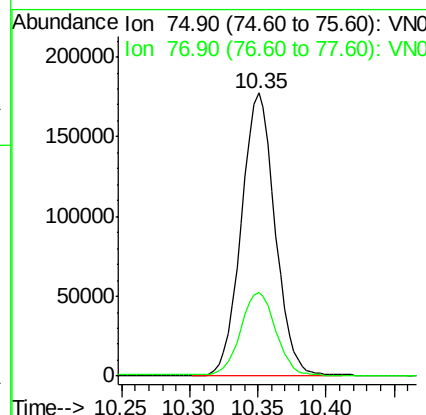
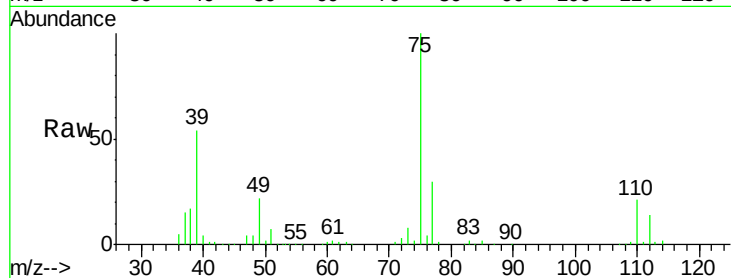
#53
t-1,3-Dichloropropene
Concen: 53.874 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN064724.D
Acq: 19 Nov 2020 10:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 305519
Ion Ratio Lower Upper
75 100
77 29.3 25.4 38.0

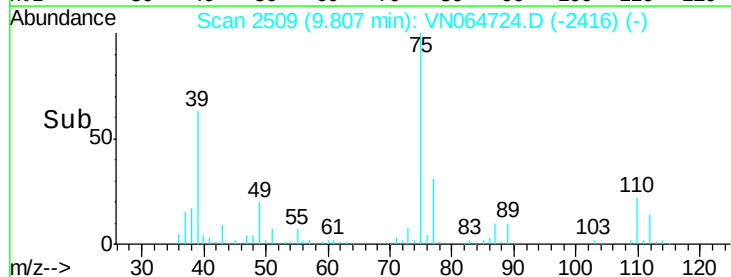
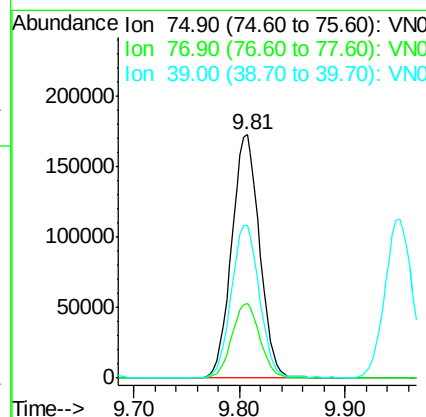
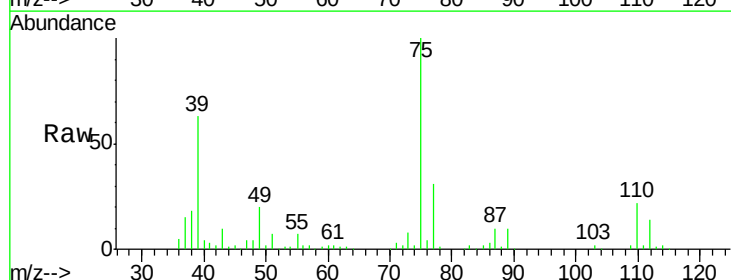
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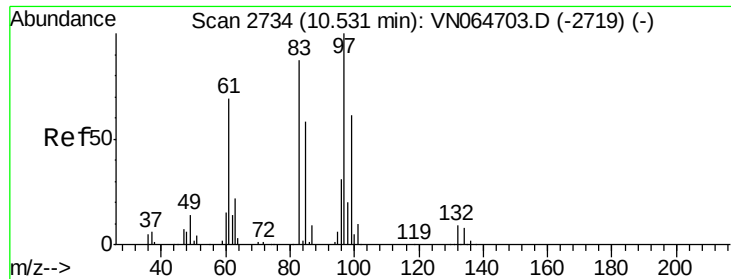
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#54
cis-1,3-Dichloropropene
Concen: 53.974 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN064724.D
Acq: 19 Nov 2020 10:58

Tgt Ion: 75 Resp: 315176
Ion Ratio Lower Upper
75 100
77 30.8 25.8 38.8
39 62.6 50.5 75.7





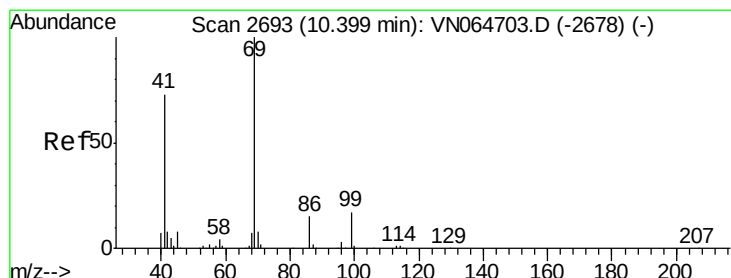
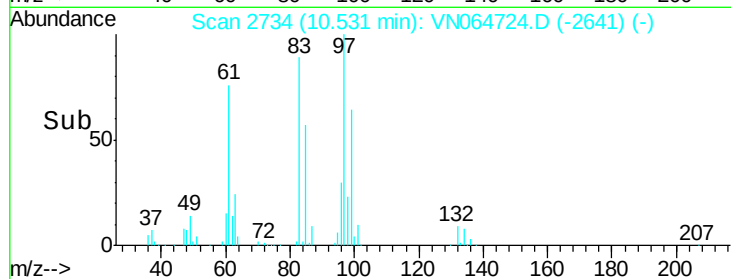
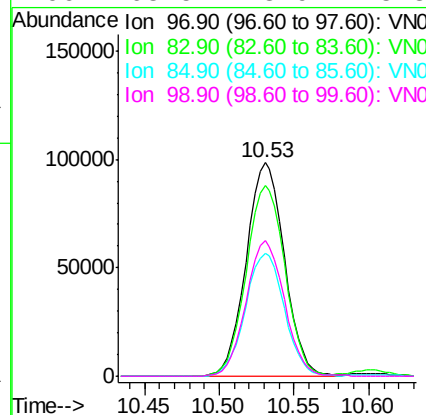
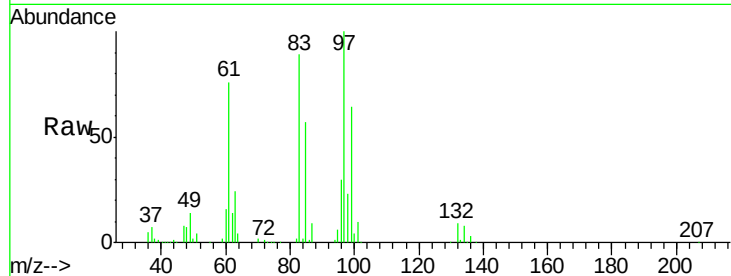
#55
 1,1,2-Trichloroethane
 Concen: 53.275 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN064724.D
 Acq: 19 Nov 2020 10:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	175560
Ion	Ratio	Lower	Upper
97	100		
83	89.1	69.6	104.4
85	57.3	46.6	70.0
99	63.5	48.9	73.3

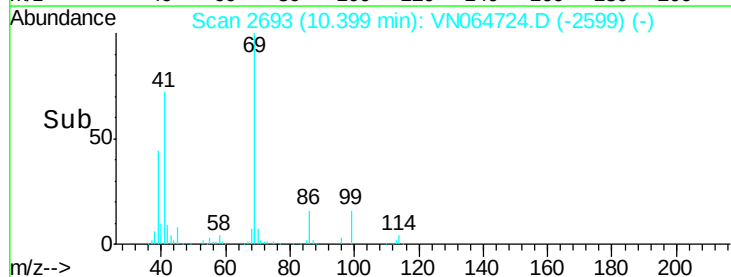
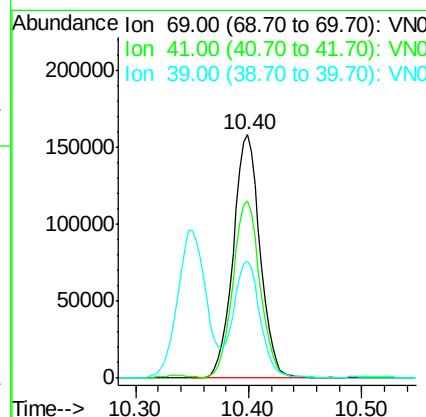
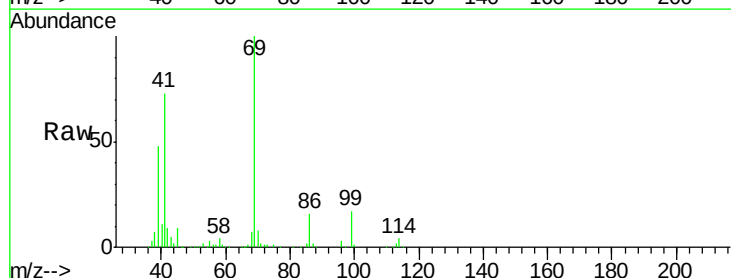
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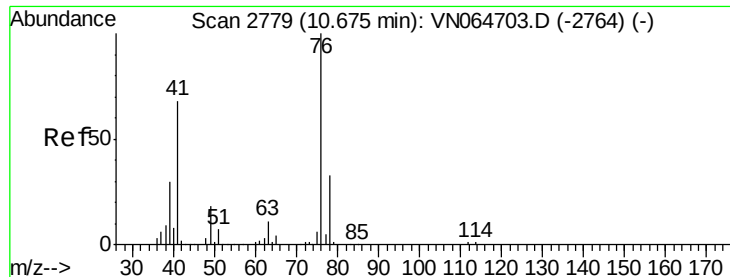
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#56
 Ethyl methacrylate
 Concen: 48.288 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN064724.D
 Acq: 19 Nov 2020 10:58

Tgt Ion:	69	Resp:	260682
Ion	Ratio	Lower	Upper
69	100		
41	73.1	59.0	88.4
39	47.3	38.4	57.6





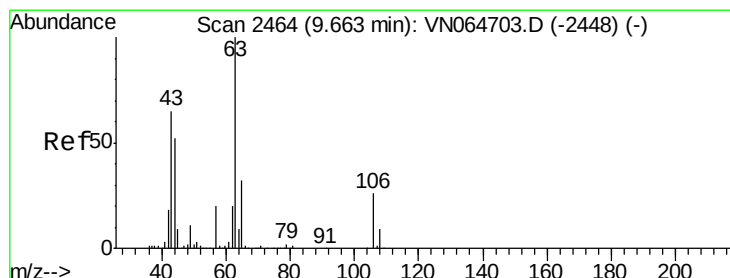
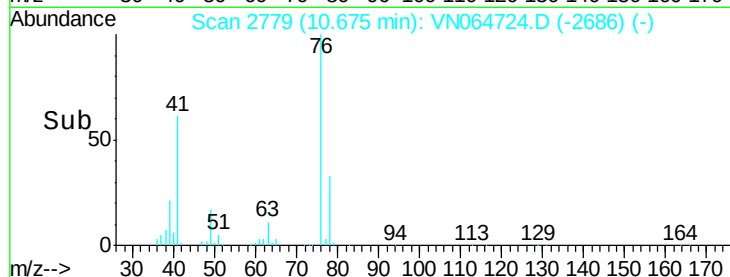
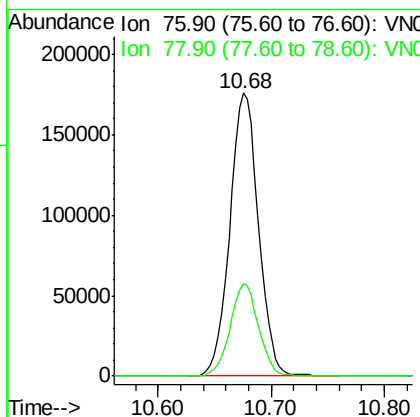
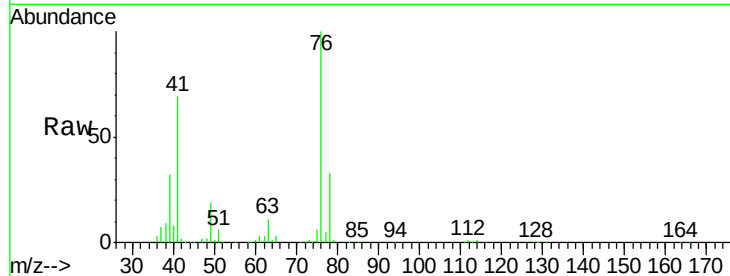
#57
 1,3-Dichloropropane
 Concen: 54.237 ug/l
 RT: 10.68 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN064724.D
 Acq: 19 Nov 2020 10:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 309603
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.4 39.6

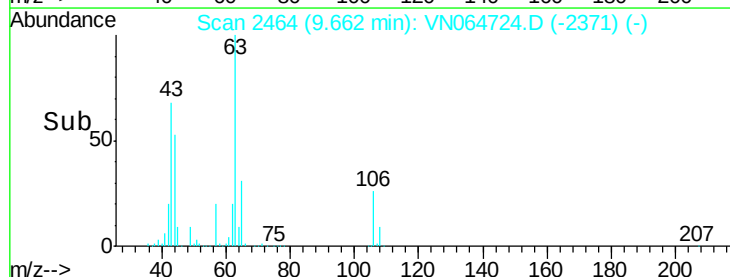
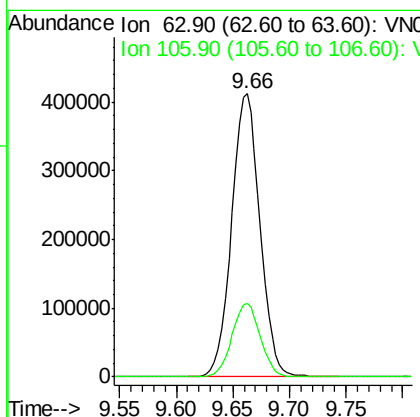
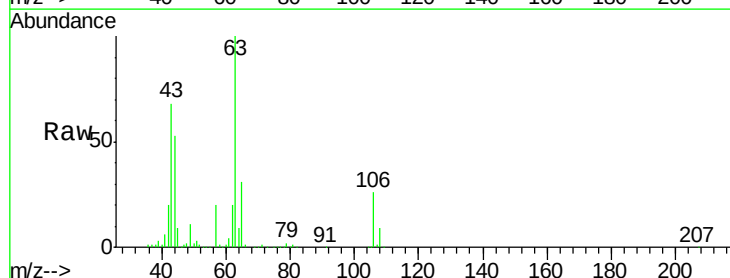
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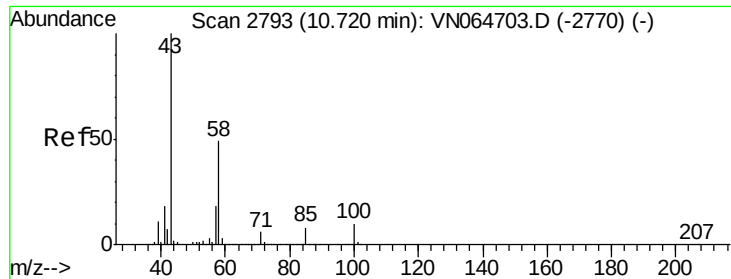
MMDadoda
 11/24/2020 3:11:12 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 242.772 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN064724.D
 Acq: 19 Nov 2020 10:58

Tgt Ion: 63 Resp: 716859
 Ion Ratio Lower Upper
 63 100
 106 26.2 20.9 31.3





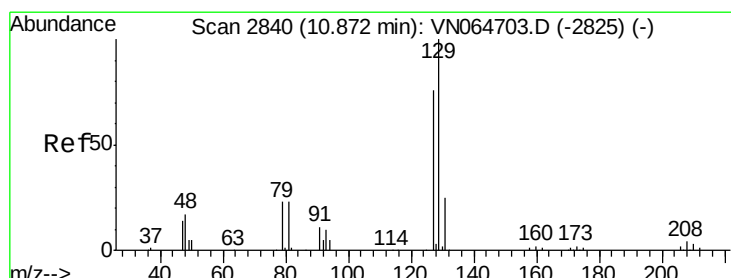
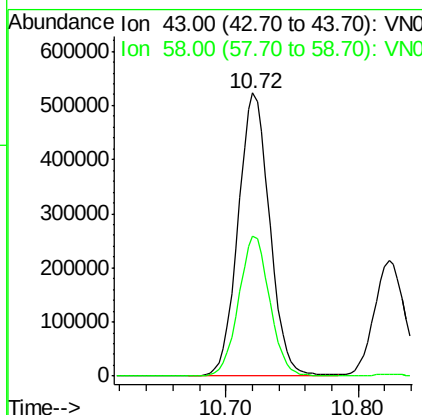
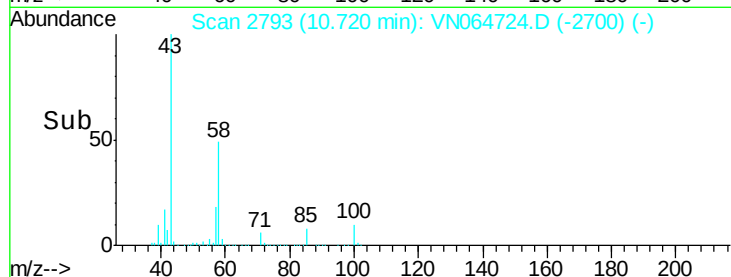
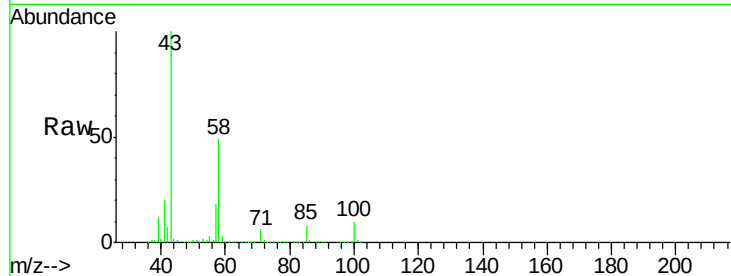
#59
2-Hexanone
Concen: 249.843 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN064724.D
Acq: 19 Nov 2020 10:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 860898
Ion Ratio Lower Upper
43 100
58 49.1 24.4 73.4

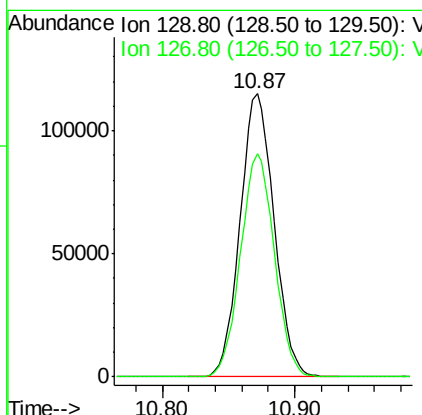
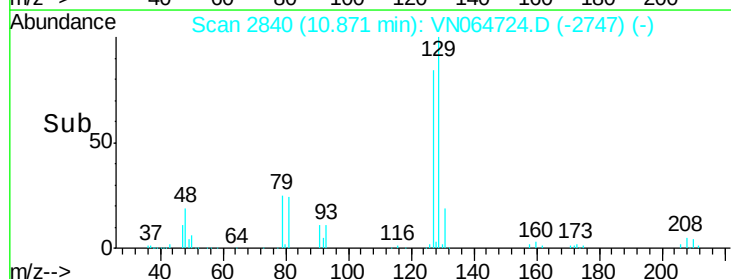
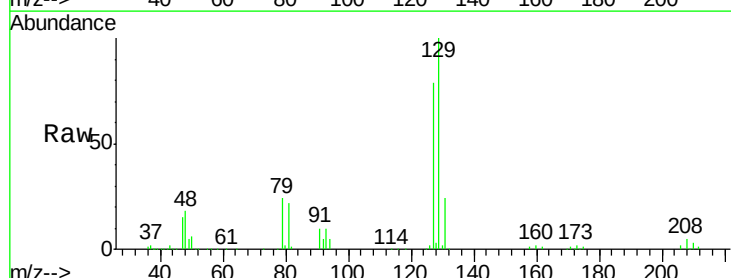
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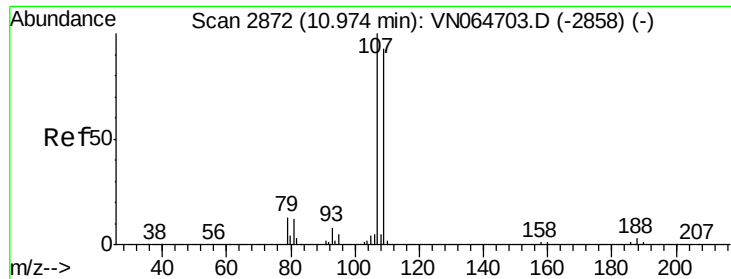
MMDadoda
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#60
Dibromochloromethane
Concen: 53.795 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064724.D
Acq: 19 Nov 2020 10:58

Tgt Ion: 129 Resp: 204813
Ion Ratio Lower Upper
129 100
127 78.5 38.8 116.4





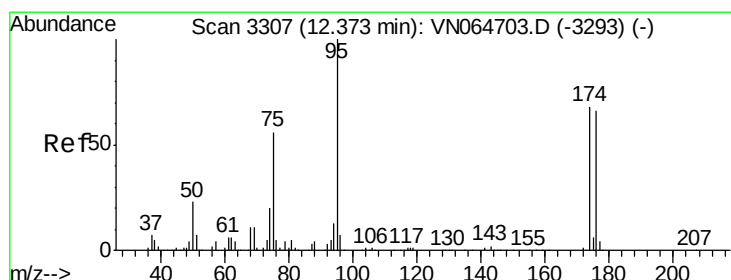
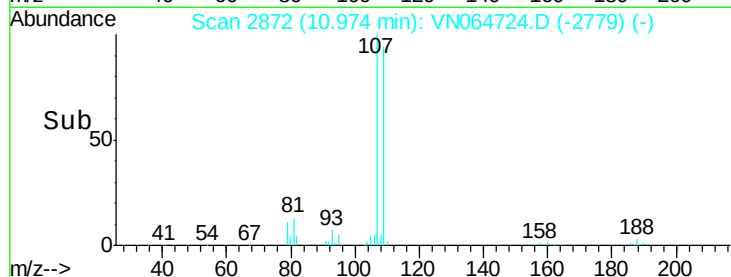
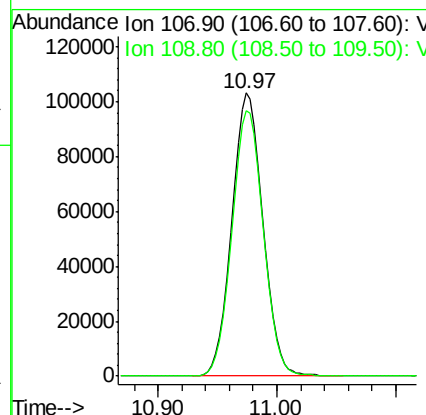
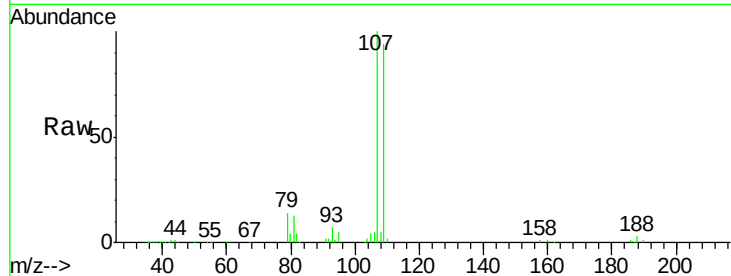
#61
 1,2-Dibromoethane
 Concen: 52.956 ug/l
 RT: 10.97 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN064724.D
 Acq: 19 Nov 2020 10:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.9	74.2	111.4

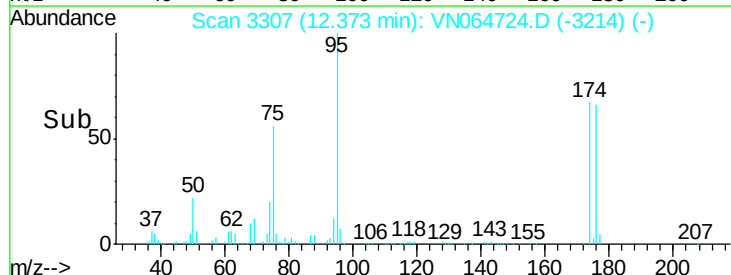
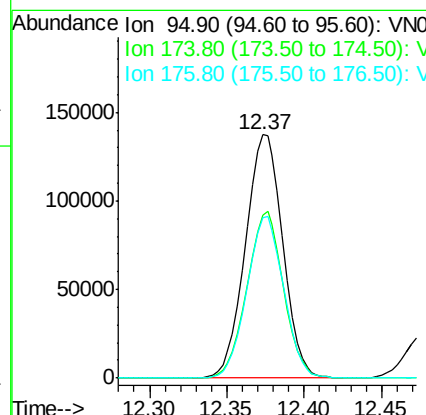
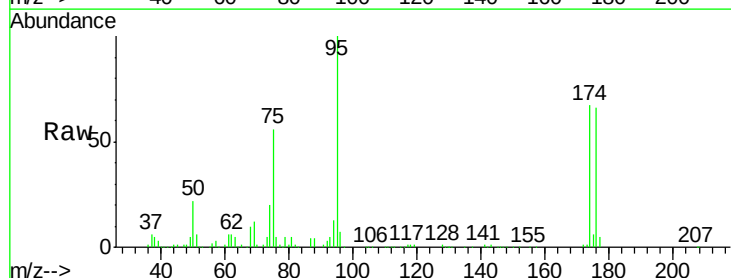
Manual Integrations
 APPROVED

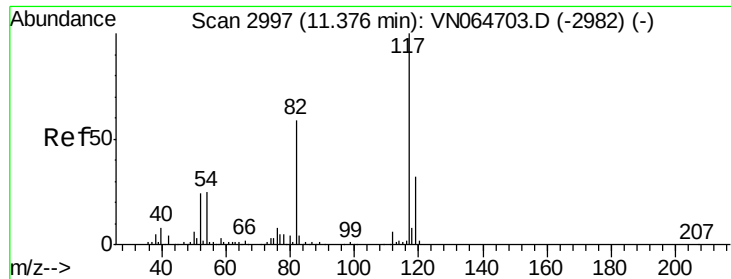
MMDadoda
 11/24/2020 3:11:12 PM



#62
 4-Bromofluorobenzene
 Concen: 51.338 ug/l
 RT: 12.37 min Scan# 3307
 Delta R.T. -0.00 min
 Lab File: VN064724.D
 Acq: 19 Nov 2020 10:58

Tgt Ion	Ratio	Lower	Upper
95	100		
174	66.9	0.0	136.8
176	65.5	0.0	134.2





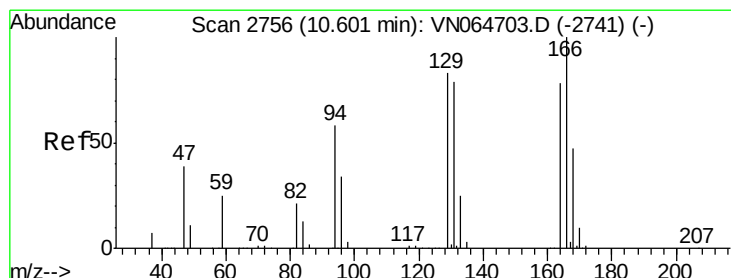
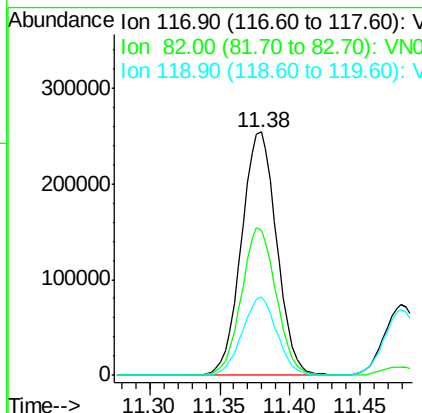
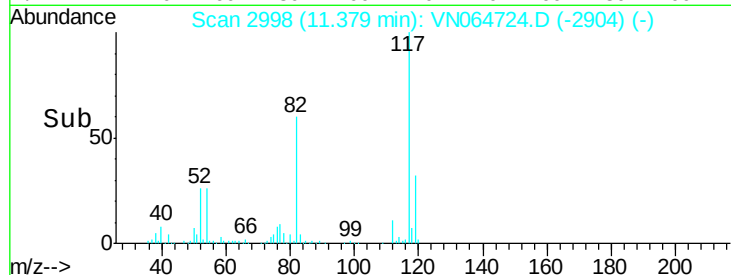
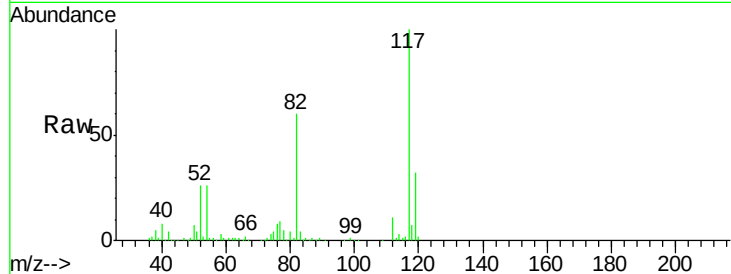
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064724.D
Acq: 19 Nov 2020 10:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	445248		
82	59.8	47.0	70.6	
119	32.2	25.4	38.2	

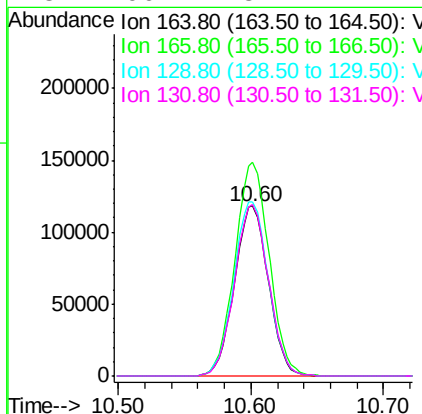
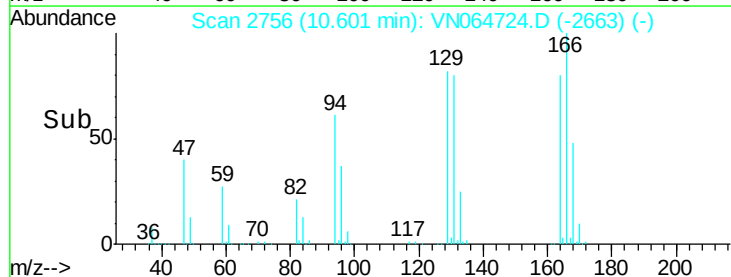
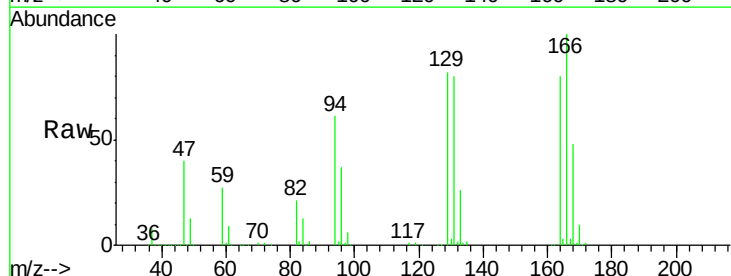
Manual Integrations
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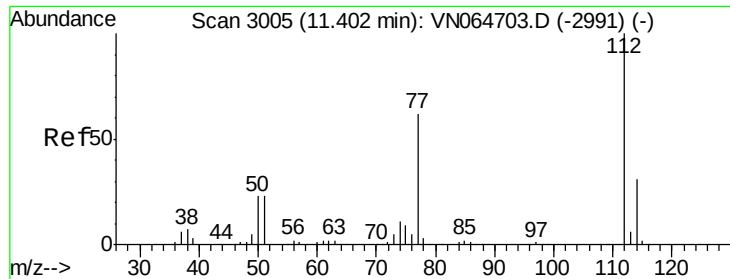
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#64
Tetrachloroethene
Concen: 53.123 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN064724.D
Acq: 19 Nov 2020 10:58

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	209688		
166	125.7	102.2	153.4	
129	102.5	84.7	127.1	
131	100.7	81.1	121.7	





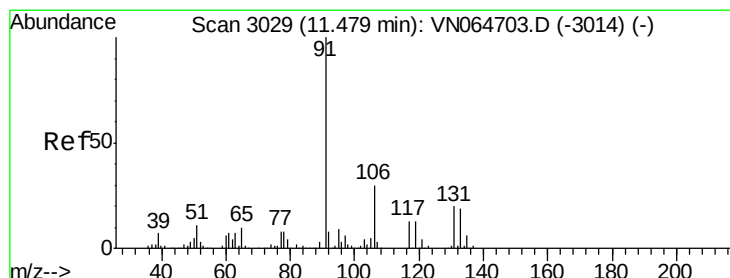
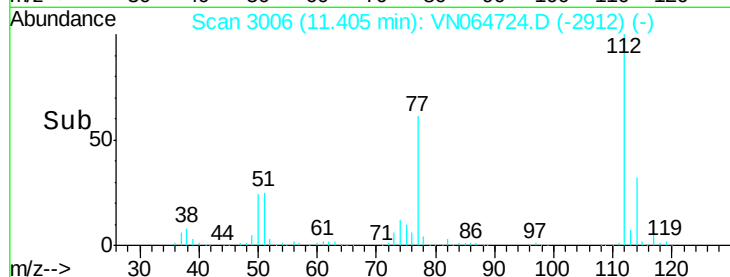
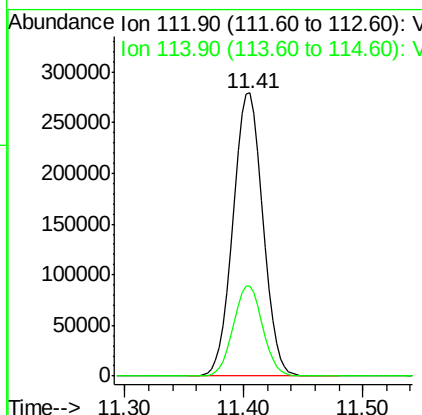
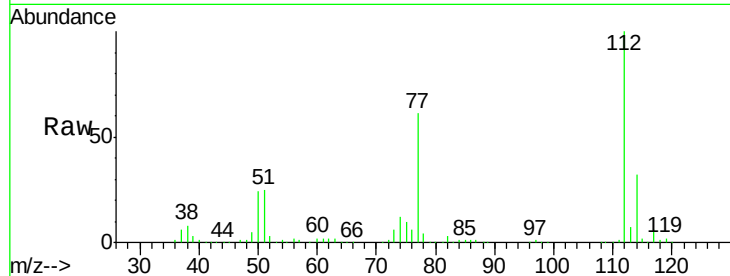
#65
Chlorobenzene
Concen: 51.387 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN064724.D
Acq: 19 Nov 2020 10:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 486699
Ion Ratio Lower Upper
112 100
114 31.9 24.7 37.1

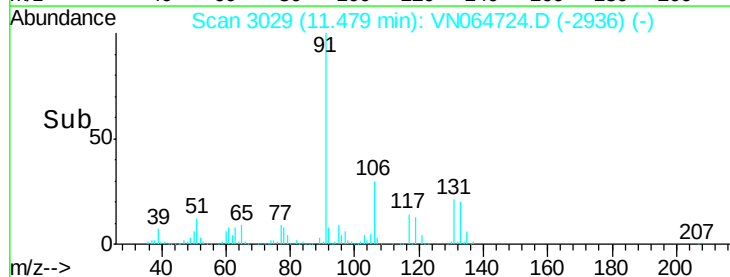
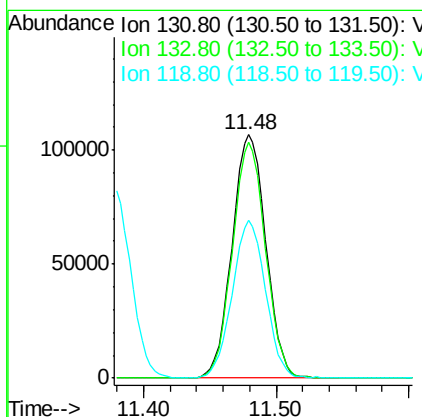
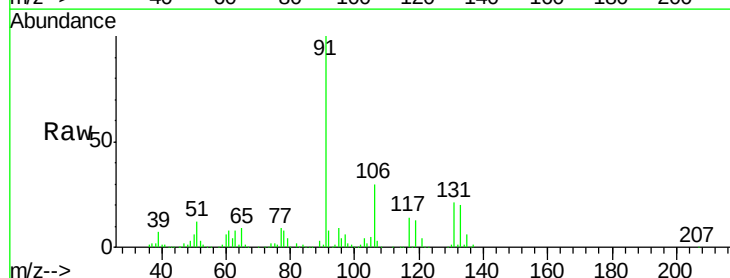
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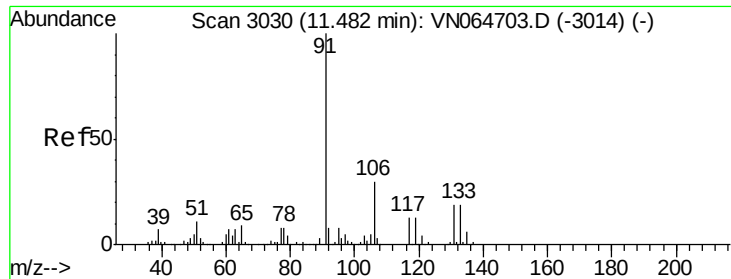
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.287 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN064724.D
Acq: 19 Nov 2020 10:58

Tgt Ion:131 Resp: 188579
Ion Ratio Lower Upper
131 100
133 94.9 48.8 146.4
119 63.9 33.5 100.4





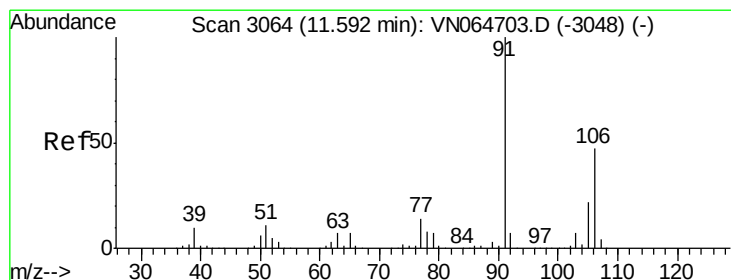
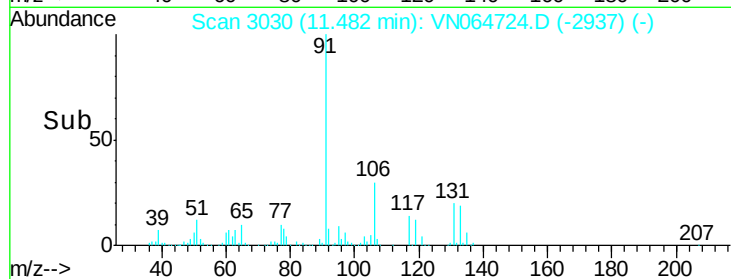
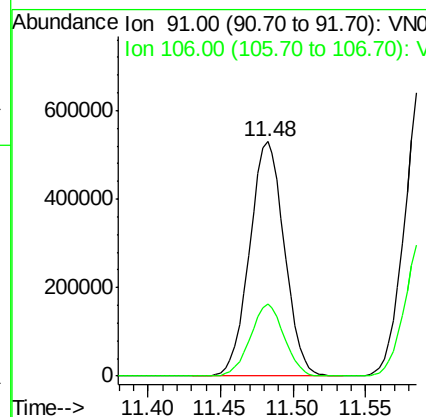
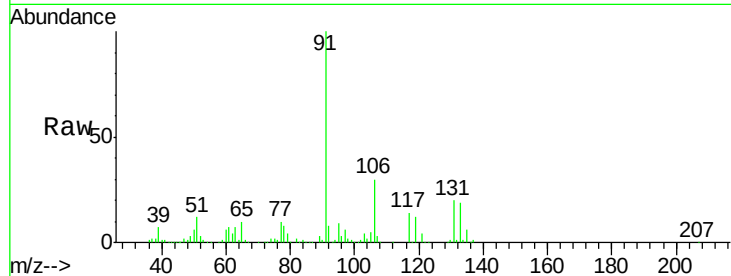
#67
Ethyl Benzene
Concen: 53.005 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN064724.D
Acq: 19 Nov 2020 10:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	91	Resp	885137
Ion Ratio	100	Lower	Upper
91	100		
106	30.5	23.9	35.9

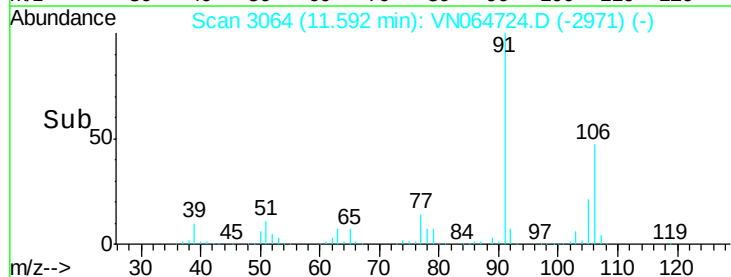
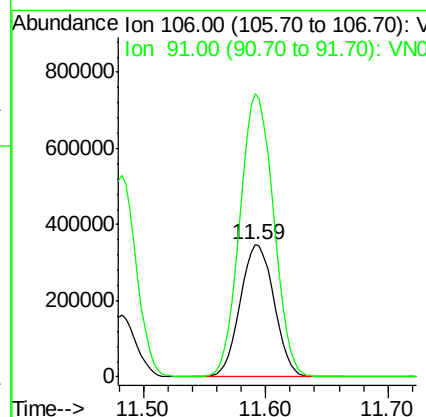
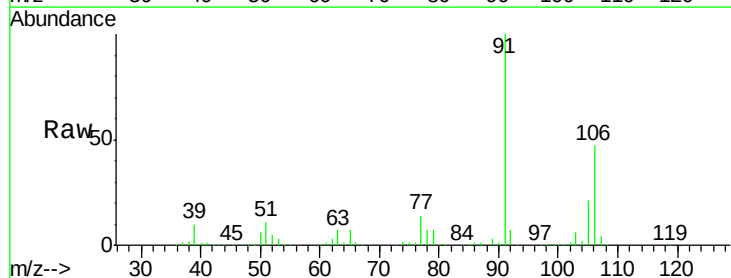
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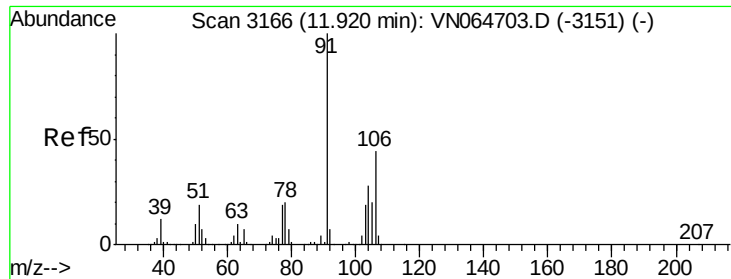
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#68
m/p-Xylenes
Concen: 98.362 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. 0.00 min
Lab File: VN064724.D
Acq: 19 Nov 2020 10:58

Tgt Ion	106	Resp	666526
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
106	100		
91	212.9	171.9	257.9





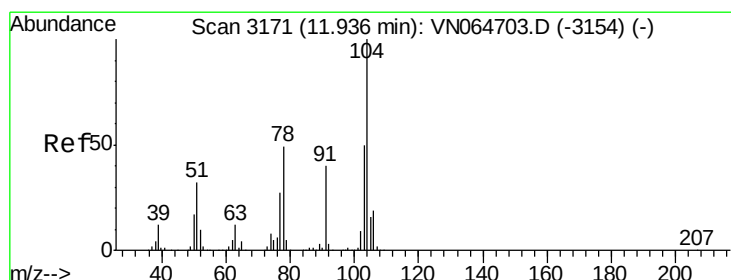
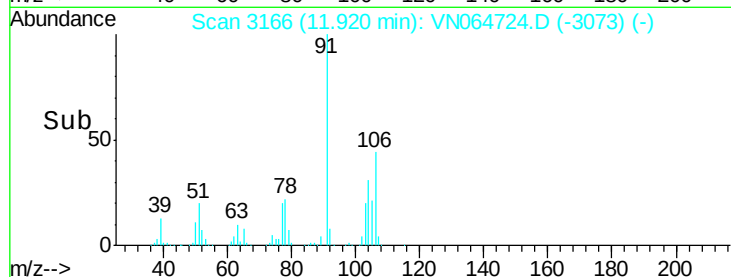
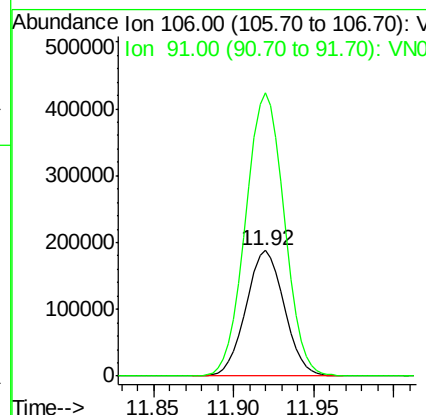
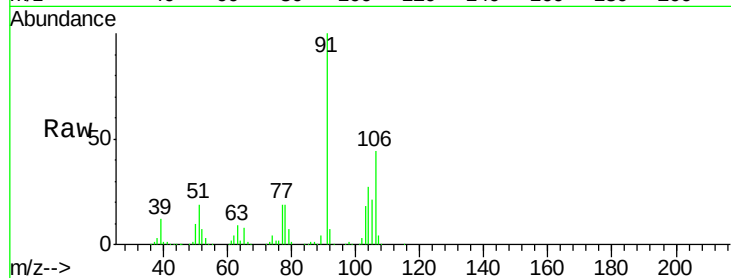
#69
o-Xylene
Concen: 52.688 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN064724.D
Acq: 19 Nov 2020 10:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	228.6	112.1	306961	336.3	

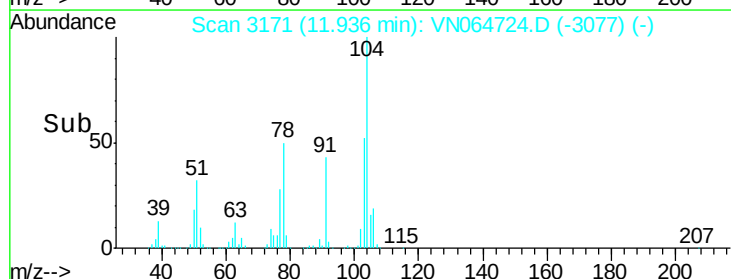
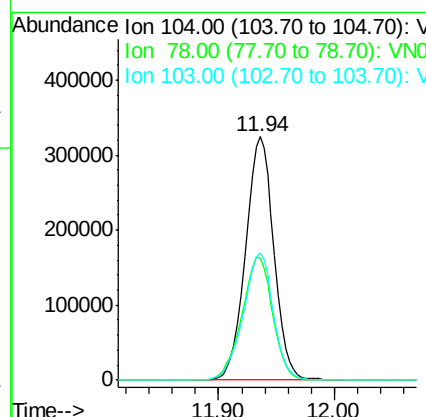
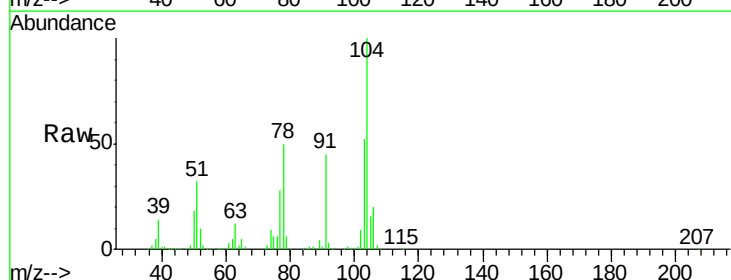
Manual Integrations
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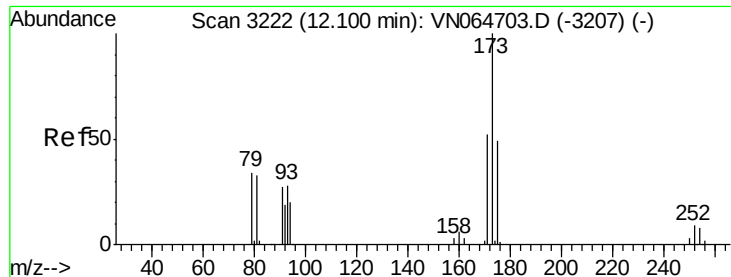
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#70
Styrene
Concen: 48.428 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VN064724.D
Acq: 19 Nov 2020 10:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	55.0	44.1	549309	66.1	
103	55.4	43.7		65.5	





#71

Bromoform

Concen: 47.973 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN064724.D

Acq: 19 Nov 2020 10:58

Instrument :

MSVOA_N

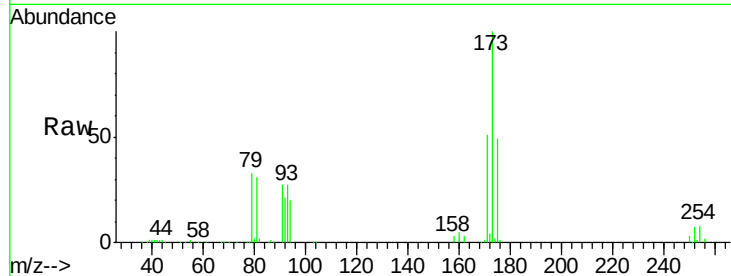
ClientSampleId :

VSTDCCC050

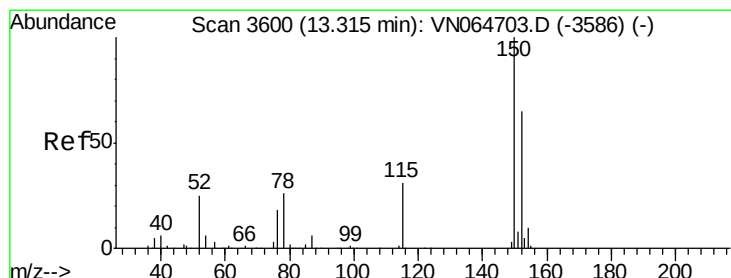
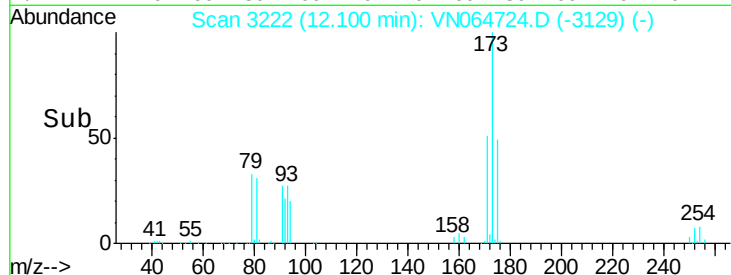
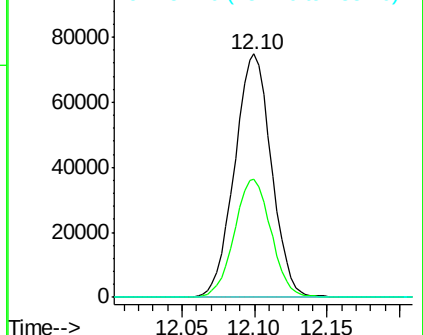
Tot Ion:	173	Resp:	131687
Ion Ratio	Lower	Upper	
173	100		
175	48.4	24.3	72.9
254	0.1	0.1	0.1

Manual Integrations
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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

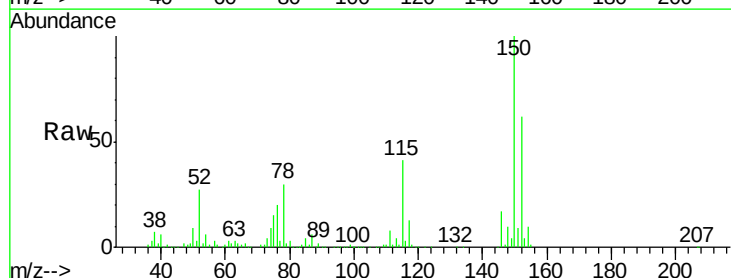
RT: 13.32 min Scan# 3600

Delta R.T. -0.00 min

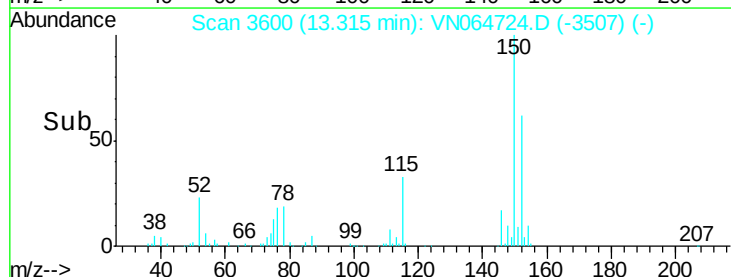
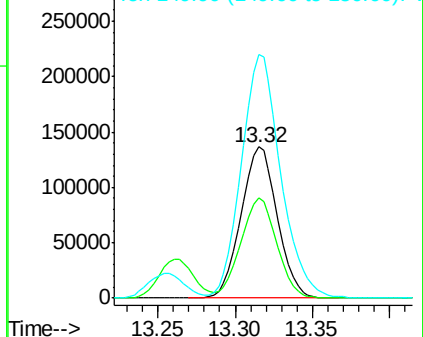
Lab File: VN064724.D

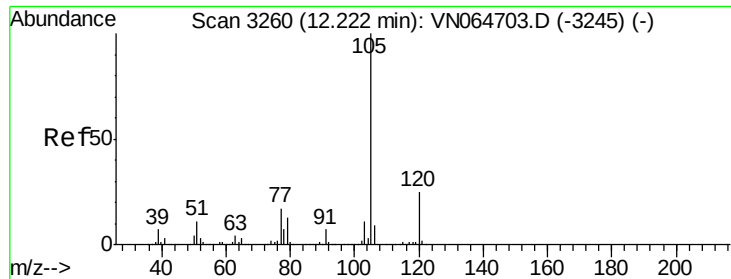
Acq: 19 Nov 2020 10:58

Tgt Ion:	152	Resp:	221815
Ion Ratio	Lower	Upper	
152	100		
115	65.8	32.1	96.3
150	174.8	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: 52.557 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN064724.D

Acq: 19 Nov 2020 10:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 827709

Ion Ratio Lower Upper

105 100

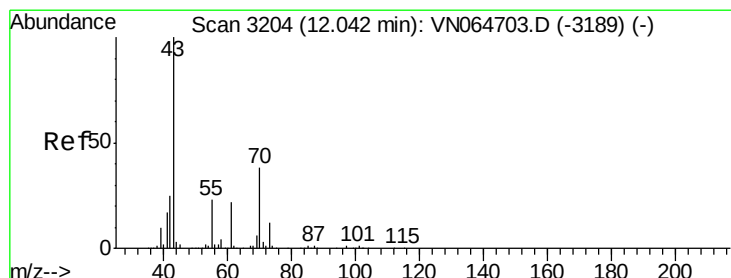
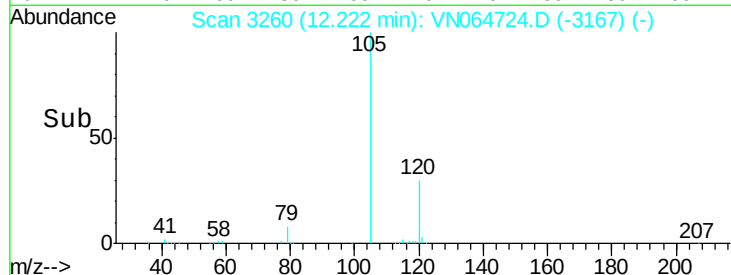
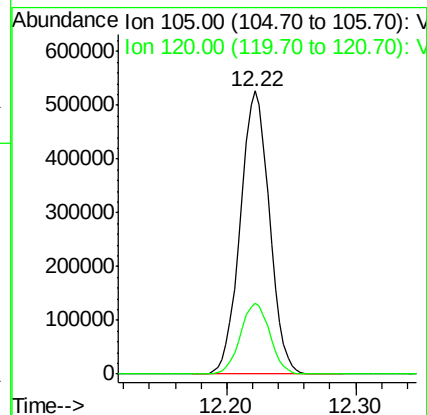
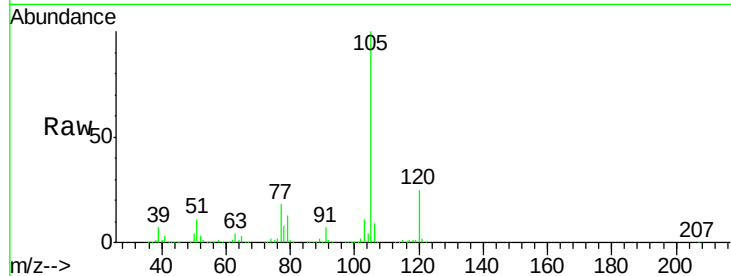
120 25.4 12.8 38.3

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#74

N-ethyl acetate

Concen: 50.581 ug/l

RT: 12.04 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VN064724.D

Acq: 19 Nov 2020 10:58

Tgt Ion: 43 Resp: 372019

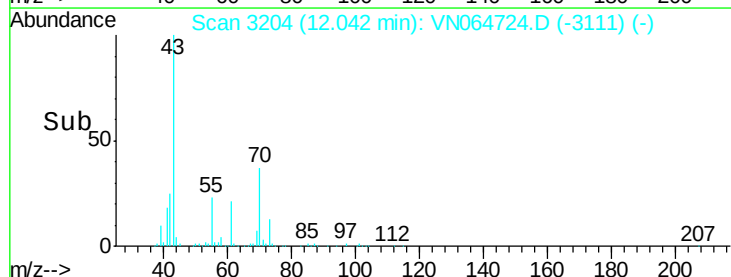
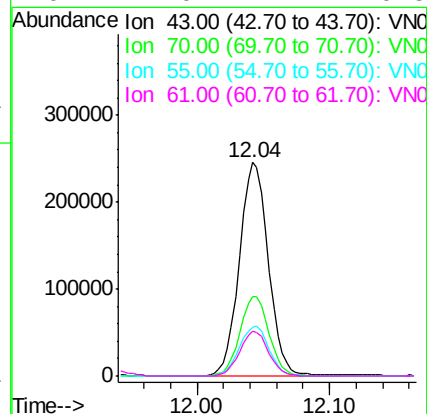
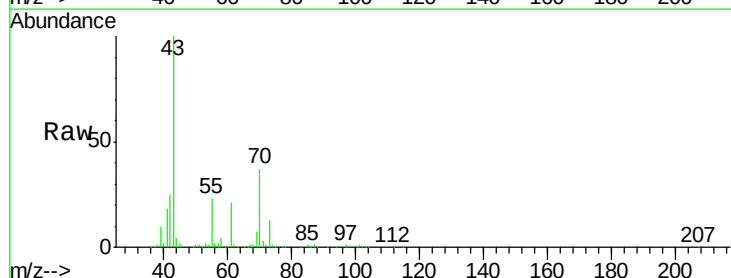
Ion Ratio Lower Upper

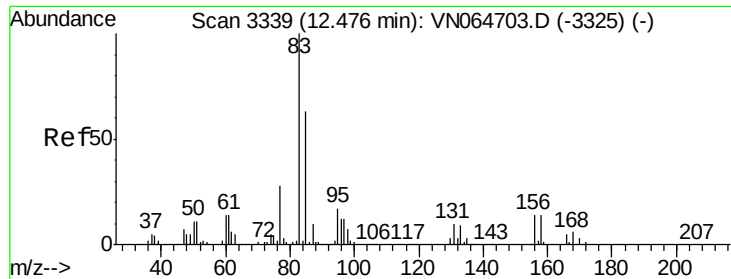
43 100

70 37.6 30.3 45.5

55 24.1 18.9 28.3

61 21.0 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 49.298 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN064724.D

Acq: 19 Nov 2020 10:58

Instrument :

MSVOA_N

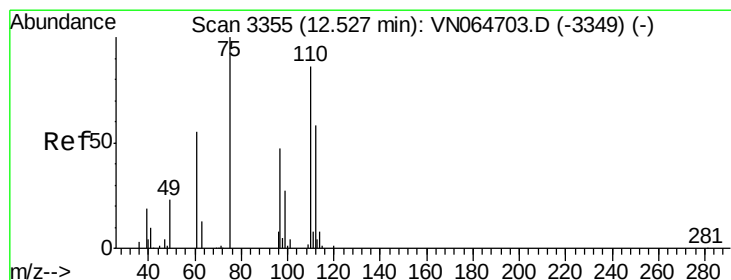
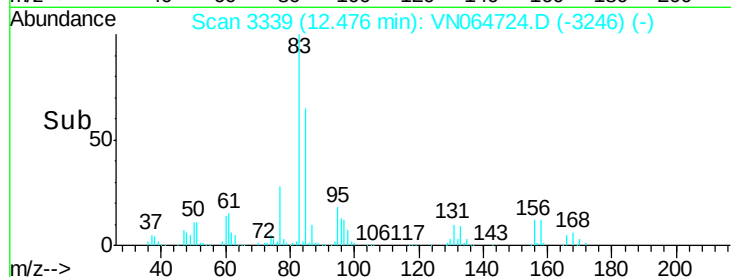
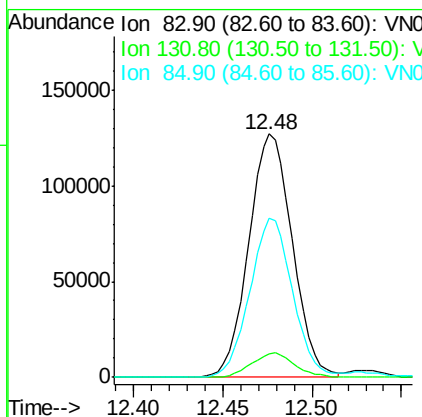
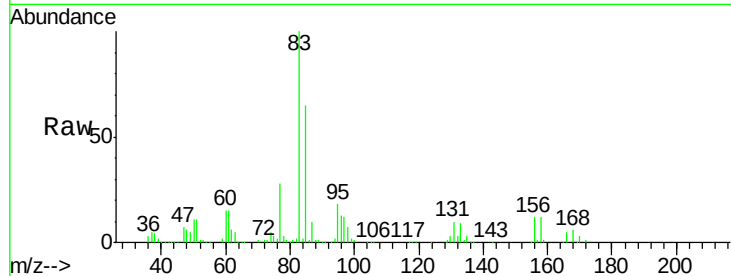
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	217066
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.0	15.0
85	64.0	31.8	95.4

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#76

1,2,3-Trichloropropane

Concen: 46.635 ug/l m

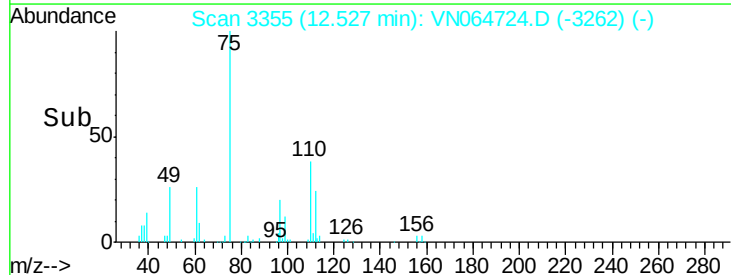
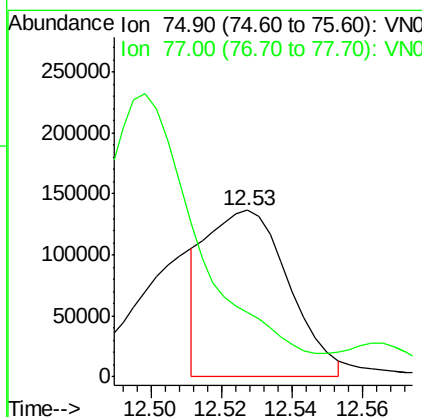
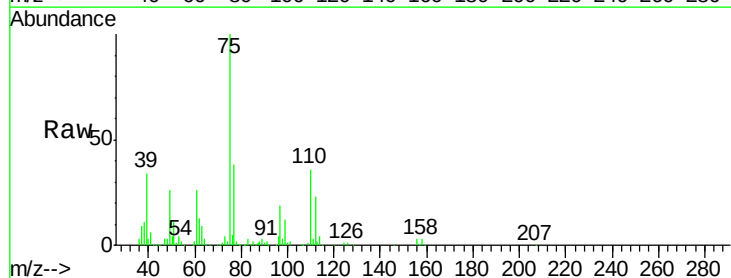
RT: 12.53 min Scan# 3355

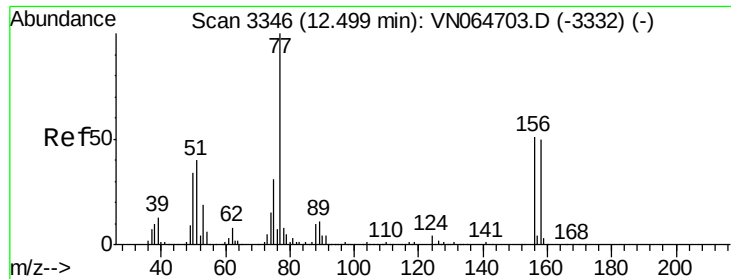
Delta R.T. -0.00 min

Lab File: VN064724.D

Acq: 19 Nov 2020 10:58

Tgt Ion:	75	Resp:	222887
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





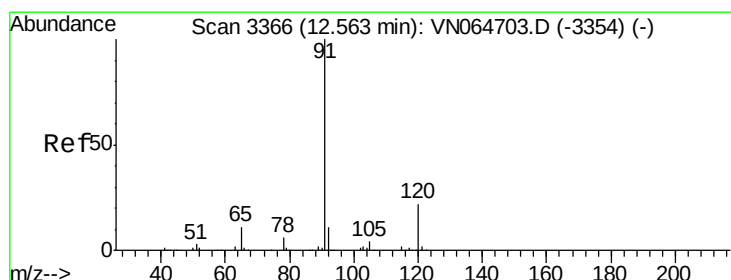
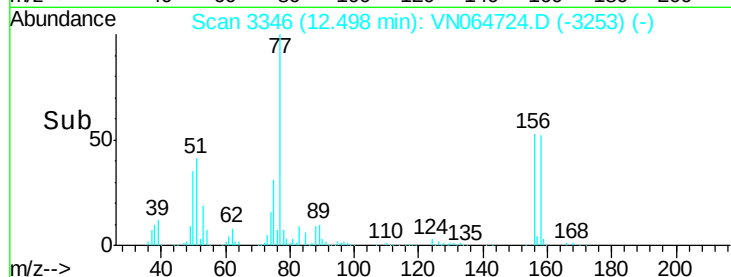
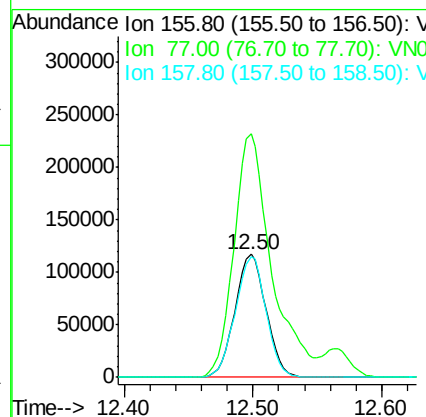
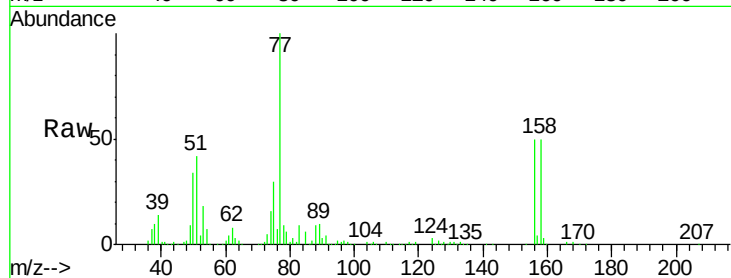
#77
Bromobenzene
Concen: 49.586 ug/l
RT: 12.50 min Scan# 3346
Delta R.T. -0.00 min
Lab File: VN064724.D
Acq: 19 Nov 2020 10:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	239.2	117.3	351.9
158	96.9	49.0	147.2

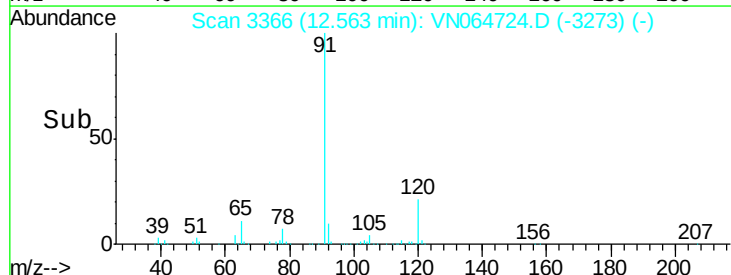
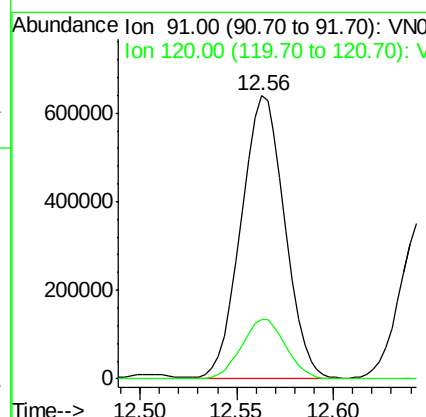
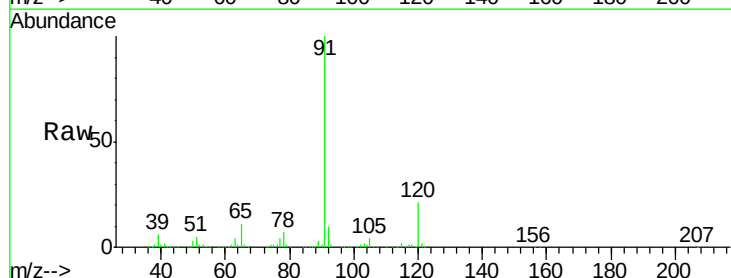
Manual Integrations
APPROVED

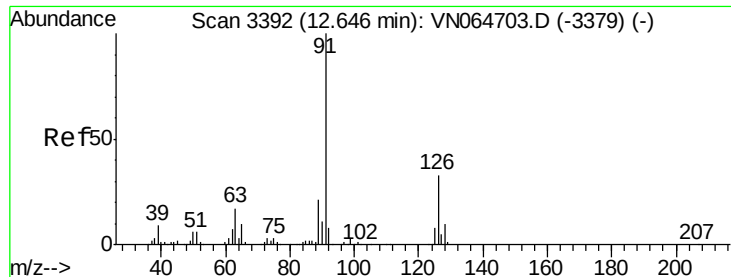
MMDadoda
11/24/2020 3:11:12 PM



#78
n-propylbenzene
Concen: 54.371 ug/l
RT: 12.56 min Scan# 3366
Delta R.T. -0.00 min
Lab File: VN064724.D
Acq: 19 Nov 2020 10:58

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.5	10.9	32.9





#79

2-Chlorotoluene

Concen: 51.628 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064724.D

Acq: 19 Nov 2020 10:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 606036

Ion Ratio Lower Upper

91 100

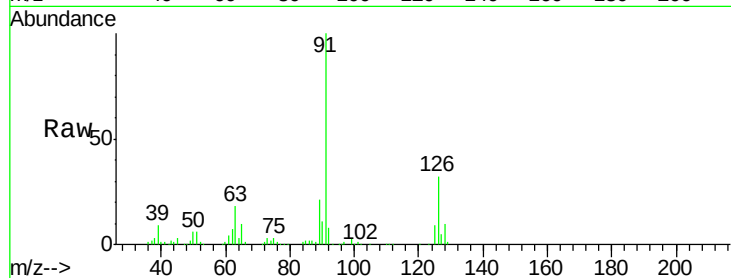
126 31.7 16.0 48.0

Manual Integrations

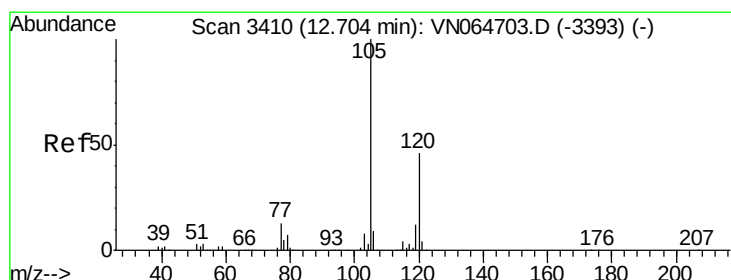
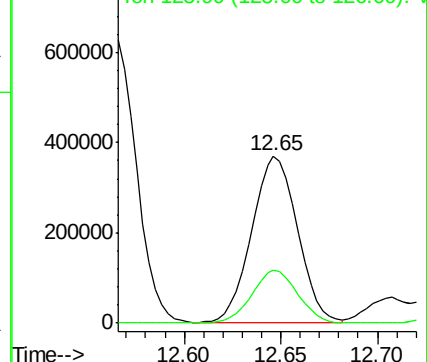
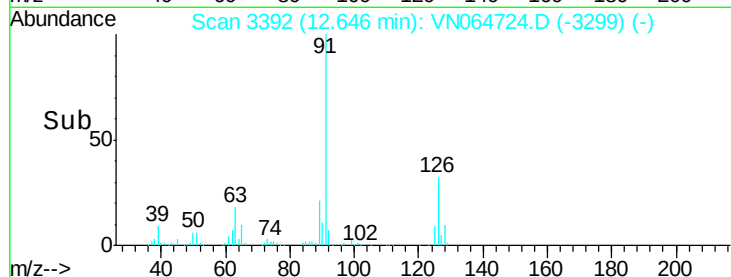
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Abundance Ion 91.00 (90.70 to 91.70): VN064724.D (-3299) (-)



#80

1,3,5-Trimethylbenzene

Concen: 54.826 ug/l

RT: 12.70 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN064724.D

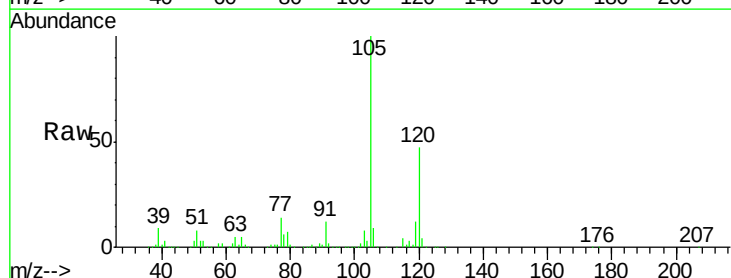
Acq: 19 Nov 2020 10:58

Tgt Ion: 105 Resp: 717269

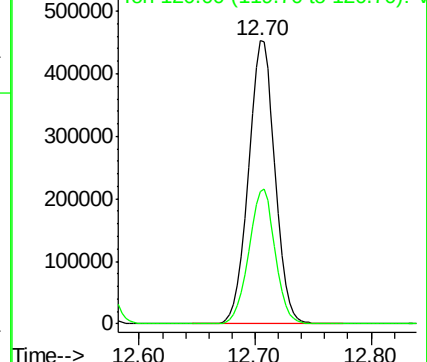
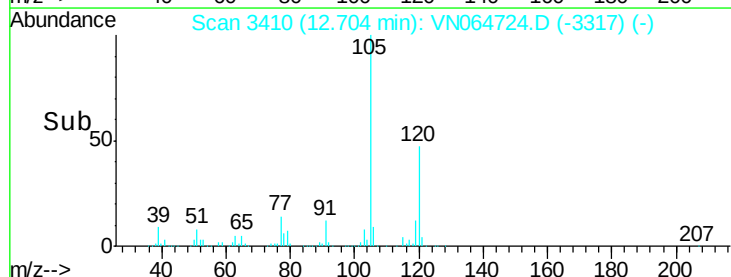
Ion Ratio Lower Upper

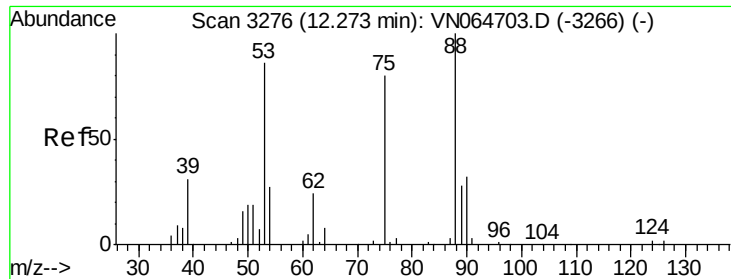
105 100

120 47.3 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): VN064724.D (-3317) (-)





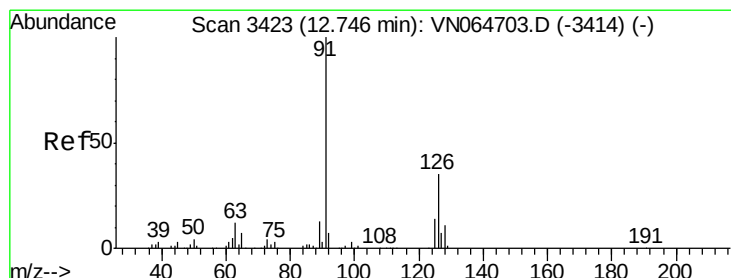
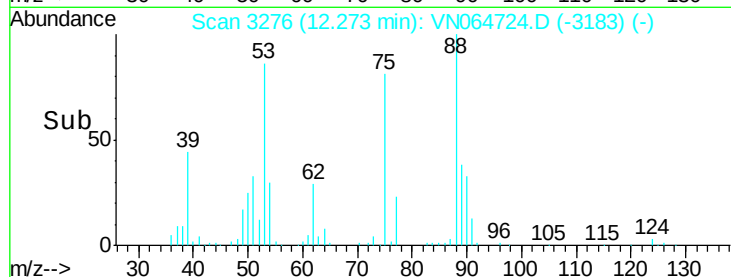
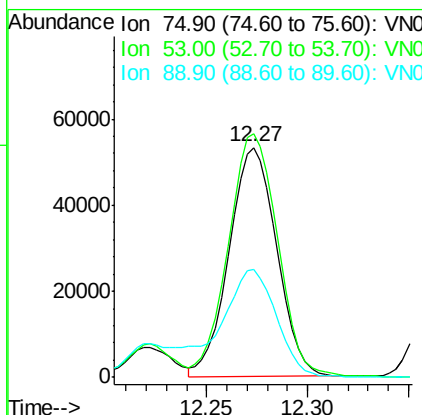
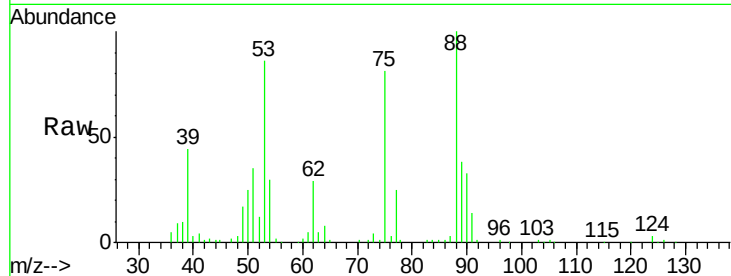
#81
trans-1,4-Dichloro-2-butene
Concen: 47.224 ug/l
RT: 12.27 min Scan# 3276
Delta R.T. 0.00 min
Lab File: VN064724.D
Acq: 19 Nov 2020 10:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	110.0	88.8	133.2
89	50.9	43.1	64.7

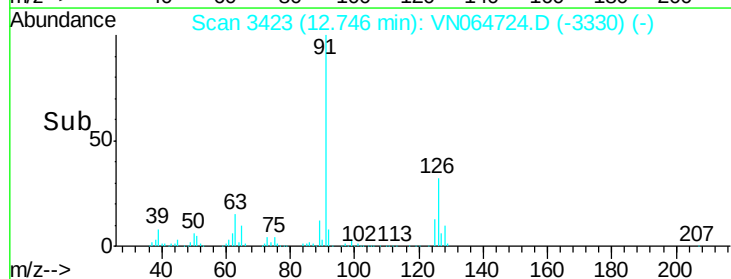
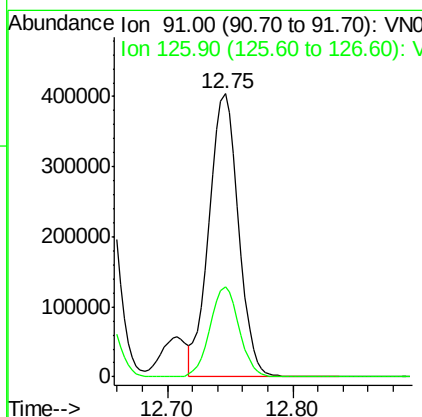
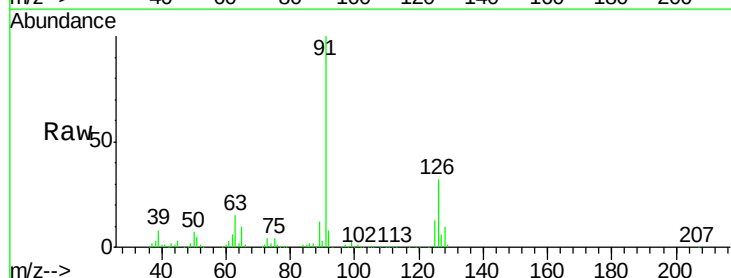
Manual Integrations
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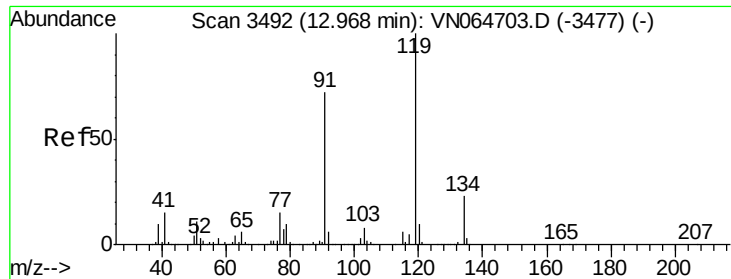
MMDadoda
11/24/2020 3:11:12 PM



#82
4-Chlorotoluene
Concen: 52.485 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. -0.00 min
Lab File: VN064724.D
Acq: 19 Nov 2020 10:58

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.9	47.7





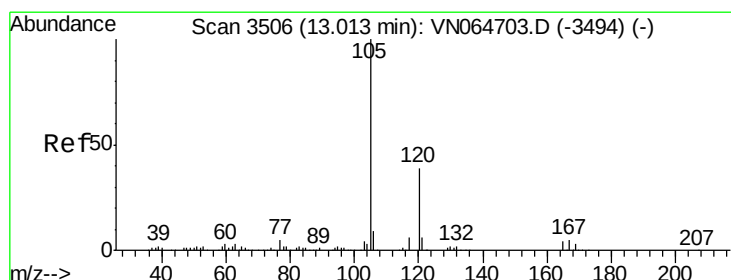
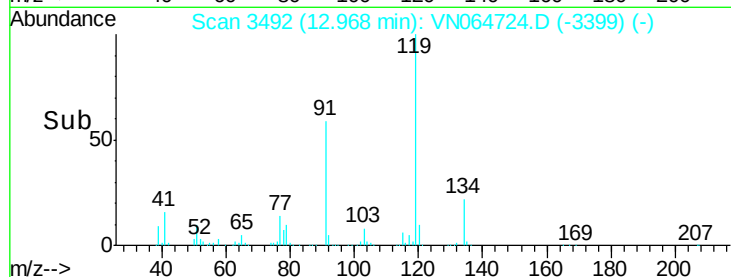
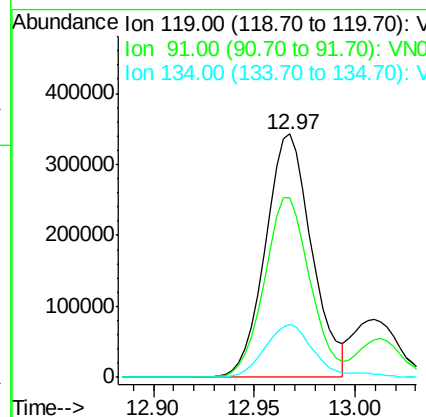
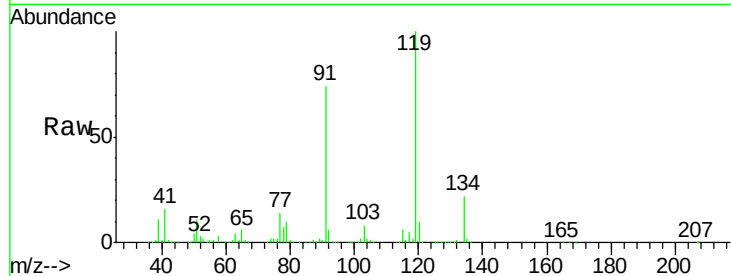
#83
 tert-Butylbenzene
 Concen: 54.257 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. -0.00 min
 Lab File: VN064724.D
 Acq: 19 Nov 2020 10:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	72.7	35.8	107.4
134	23.4	12.0	36.1

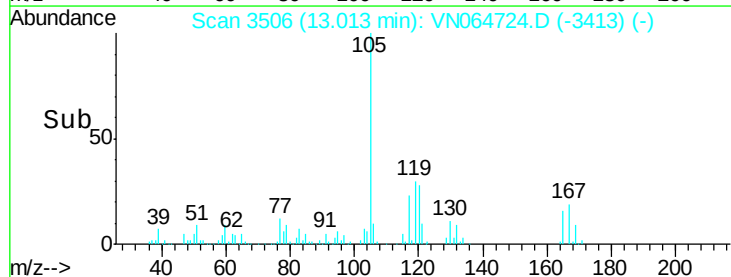
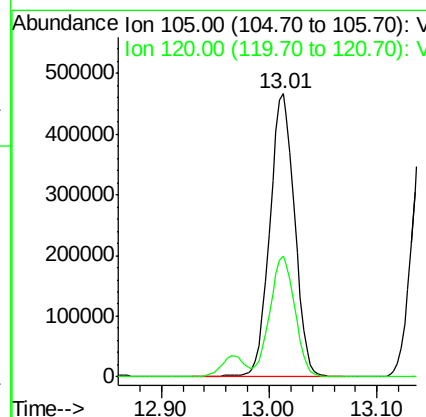
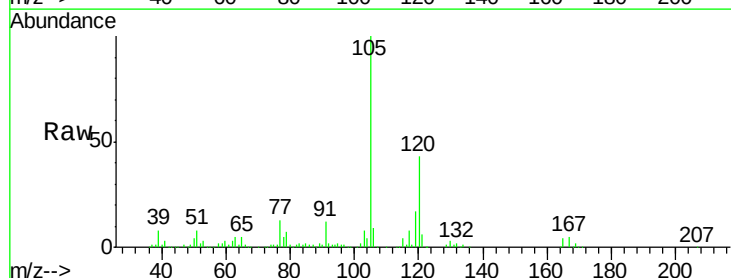
Manual Integrations
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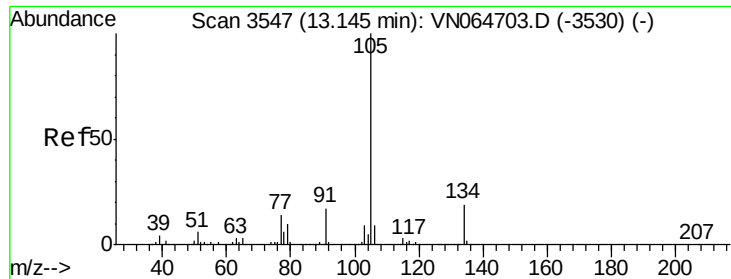
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#84
 1,2,4-Trimethylbenzene
 Concen: 55.736 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. -0.00 min
 Lab File: VN064724.D
 Acq: 19 Nov 2020 10:58

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.7	22.0	66.0





#85

sec-Butylbenzene

Concen: 55.016 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064724.D

Acq: 19 Nov 2020 10:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 742161

Ion Ratio Lower Upper

105 100

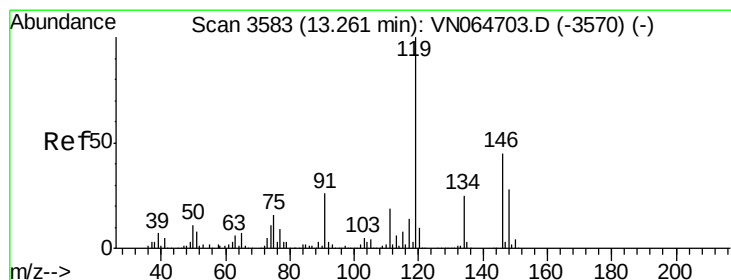
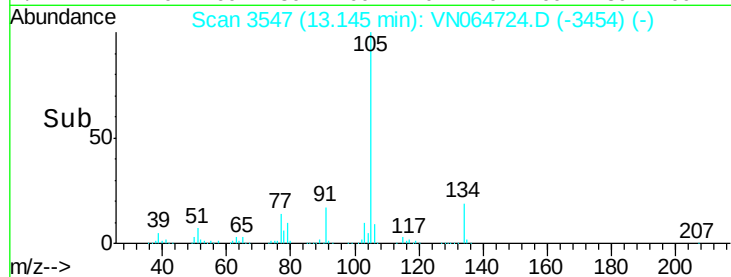
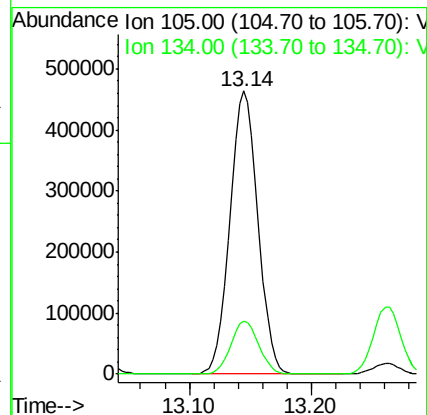
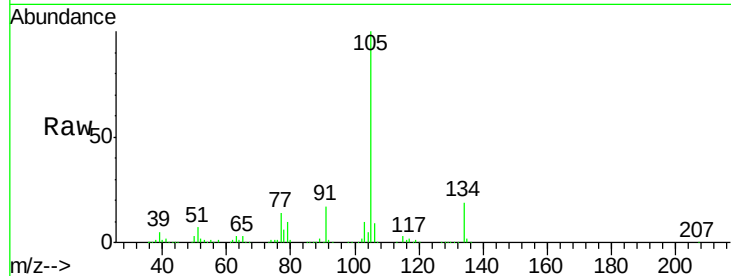
134 18.8 9.5 28.5

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 55.004 ug/l

RT: 13.26 min Scan# 3583

Delta R.T. -0.00 min

Lab File: VN064724.D

Acq: 19 Nov 2020 10:58

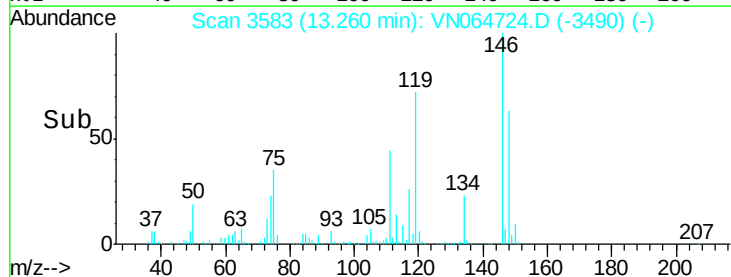
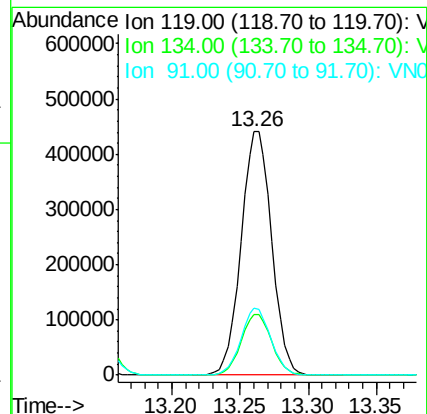
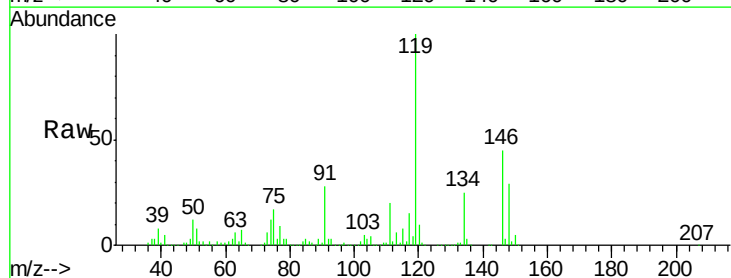
Tgt Ion:119 Resp: 682415

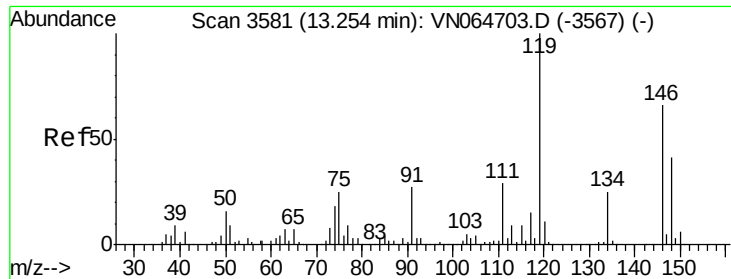
Ion Ratio Lower Upper

119 100

134 25.1 12.7 38.0

91 26.7 13.3 39.8





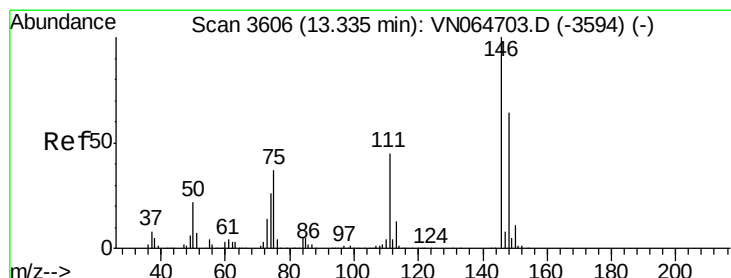
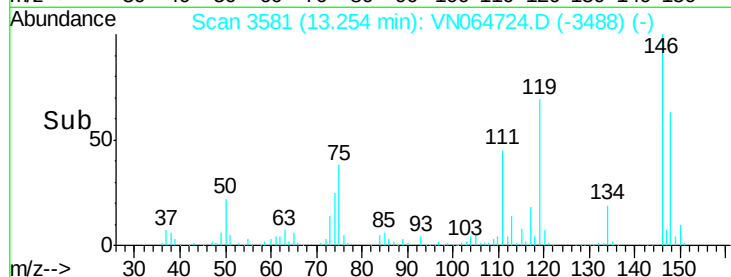
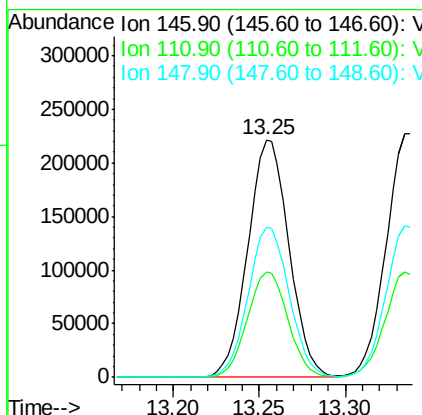
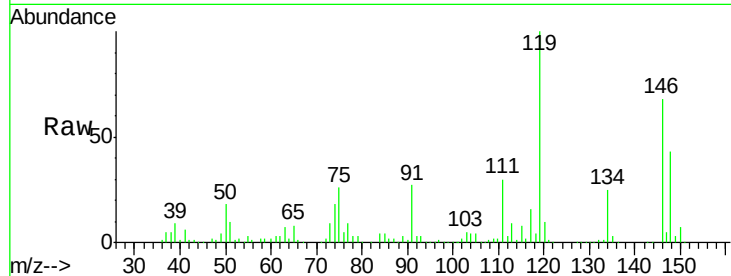
#87
 1,3-Dichlorobenzene
 Concen: 50.748 ug/l
 RT: 13.25 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN064724.D
 Acq: 19 Nov 2020 10:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.8	65.4
148	63.2	31.5	94.5

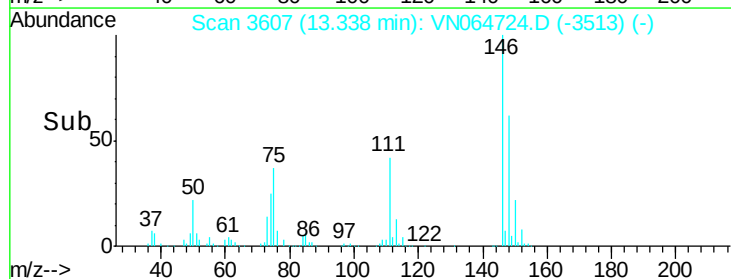
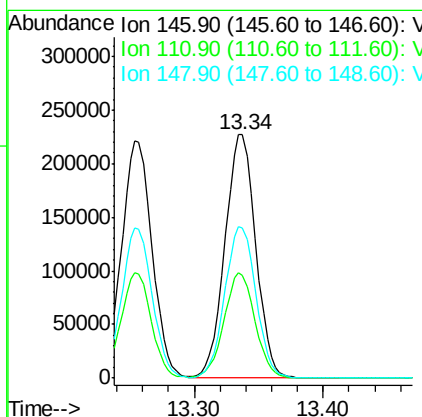
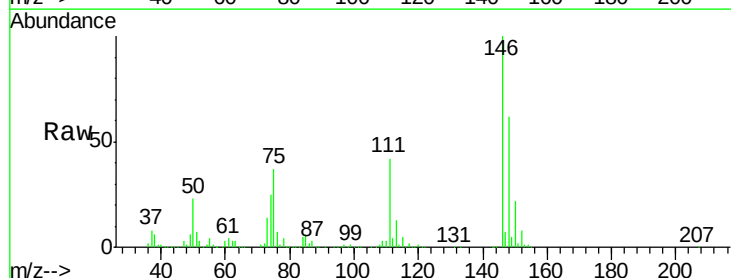
Manual Integrations
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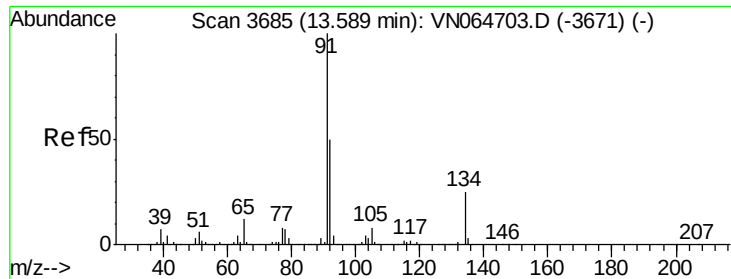
MMDadoda
 11/24/2020 3:11:12 PM



#88
 1,4-Dichlorobenzene
 Concen: 50.625 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064724.D
 Acq: 19 Nov 2020 10:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.3	22.3	66.8
148	62.8	31.6	94.7





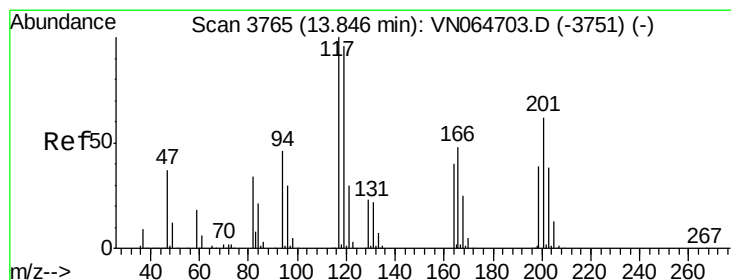
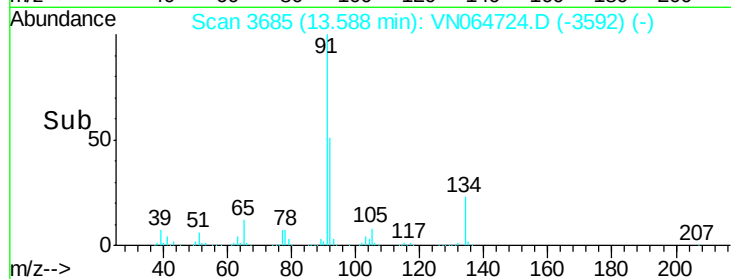
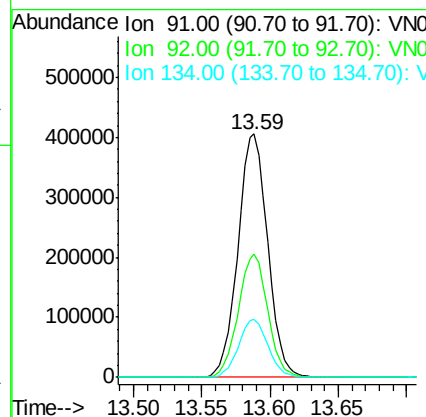
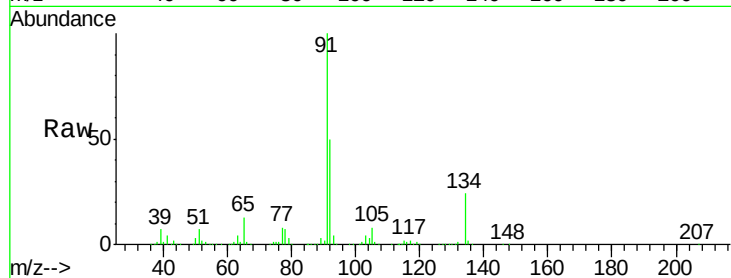
#89
n-Butylbenzene
Concen: 52.843 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN064724.D
Acq: 19 Nov 2020 10:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.2	24.9	74.8
134	23.7	12.0	36.0

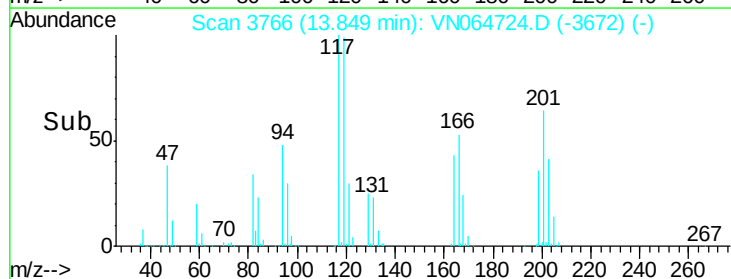
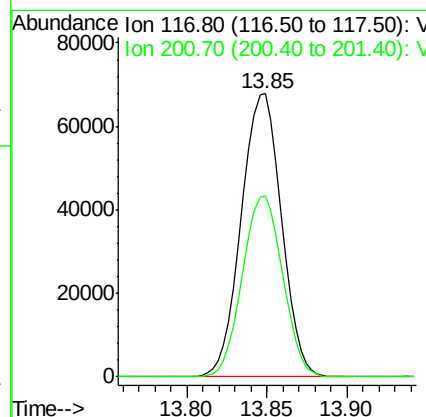
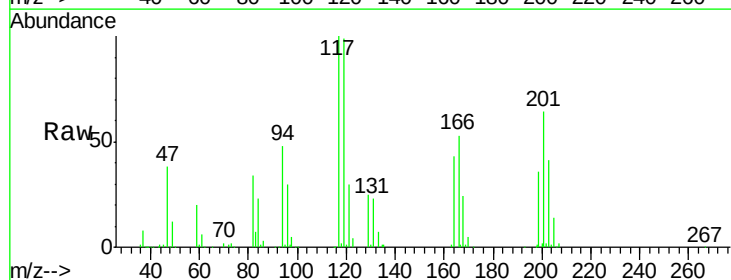
Manual Integrations
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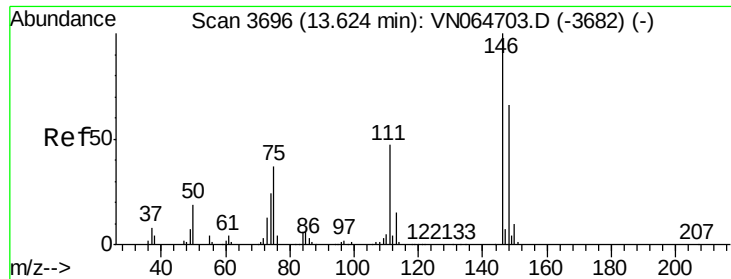
MMDadoda
11/24/2020 3:11:12 PM



#90
Hexachloroethane
Concen: 56.703 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN064724.D
Acq: 19 Nov 2020 10:58

Tgt Ion	Ratio	Lower	Upper
117	100		
201	63.7	31.9	95.5





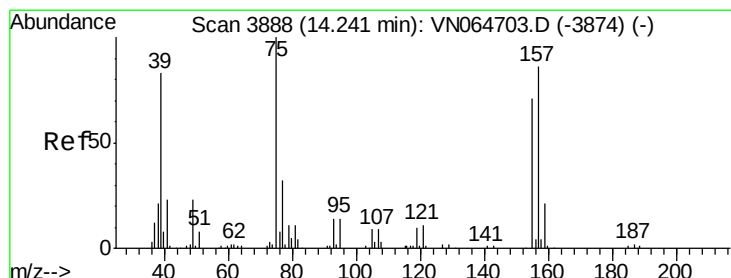
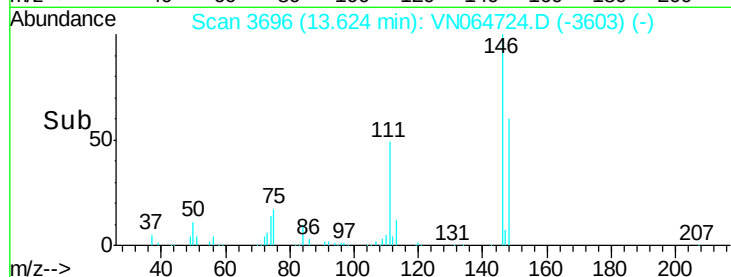
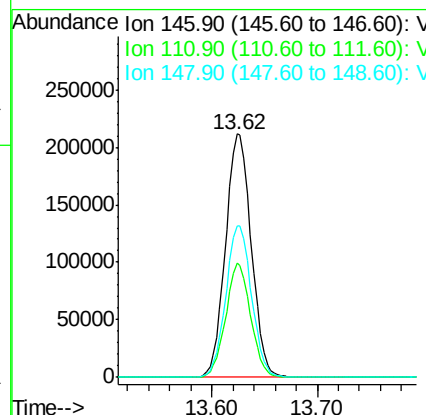
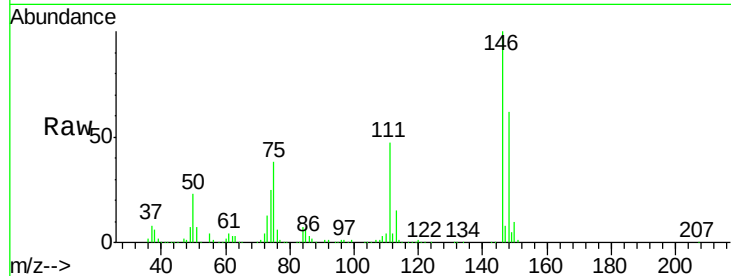
#91
 1,2-Dichlorobenzene
 Concen: 50.467 ug/l
 RT: 13.62 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN064724.D
 Acq: 19 Nov 2020 10:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.4	23.1	69.3
148	62.3	32.2	96.6

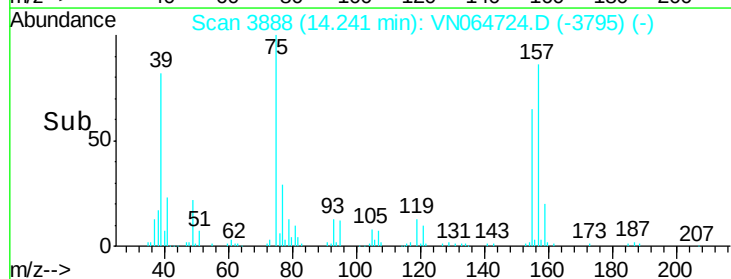
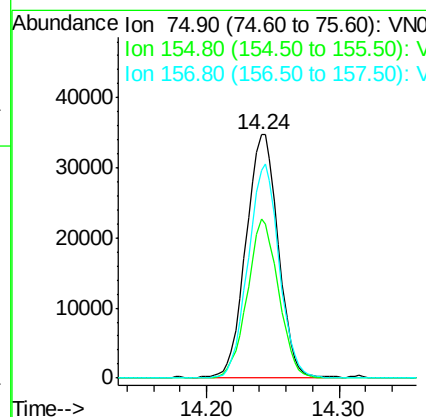
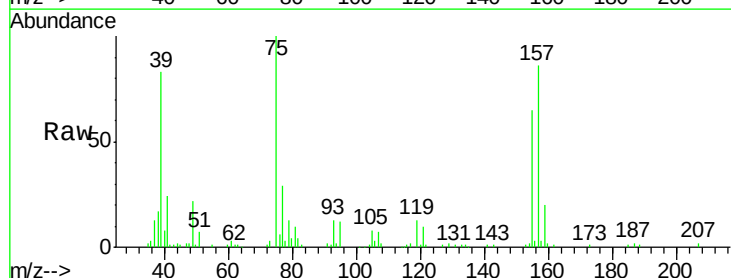
Manual Integrations
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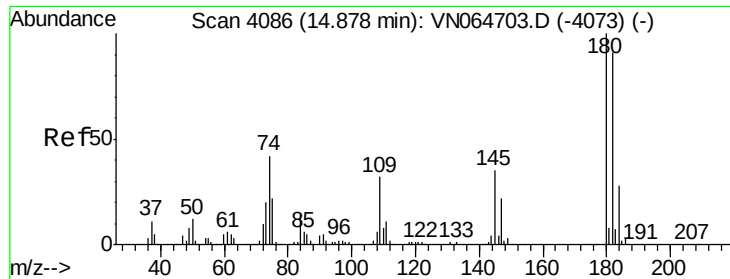
MMDadoda
 11/24/2020 3:11:12 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.150 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN064724.D
 Acq: 19 Nov 2020 10:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	62.6	33.6	100.6
157	84.2	42.4	127.2





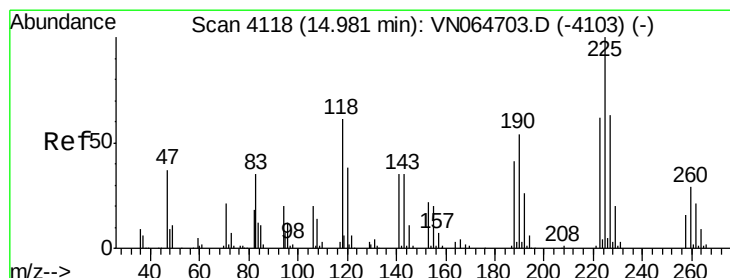
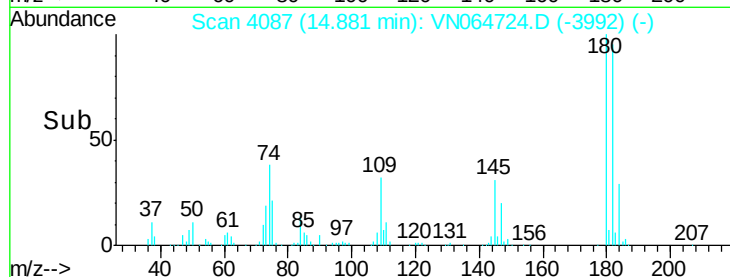
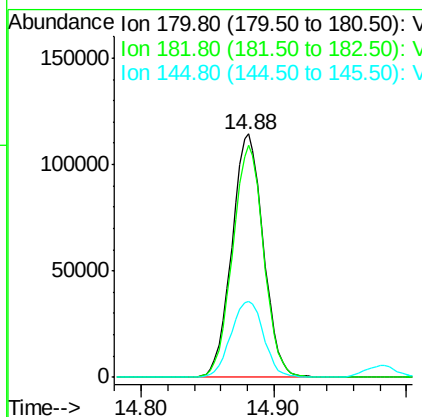
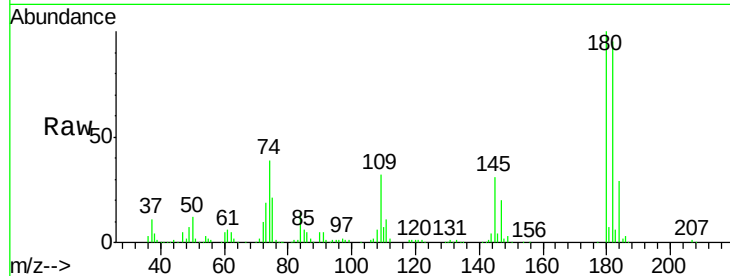
#93
 1,2,4-Trichlorobenzene
 Concen: 48.846 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN064724.D
 Acq: 19 Nov 2020 10:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	187876		
182	94.2	47.3	141.8	
145	32.5	17.5	52.5	

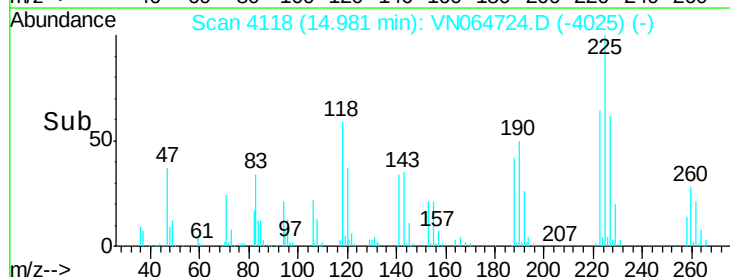
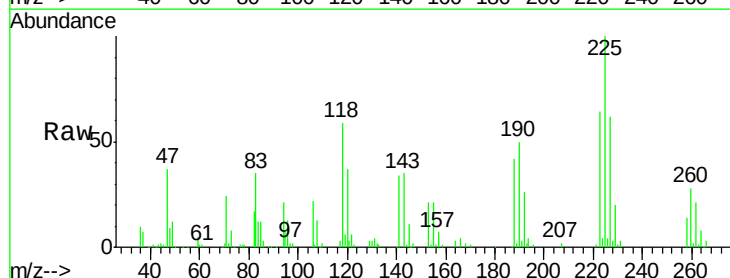
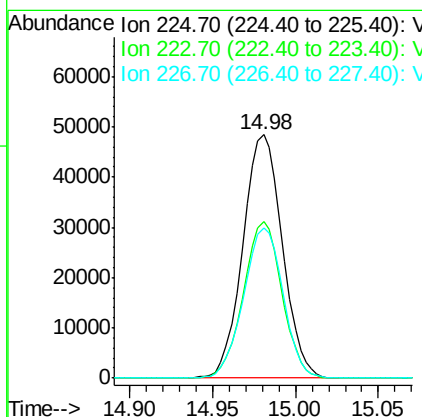
Manual Integrations
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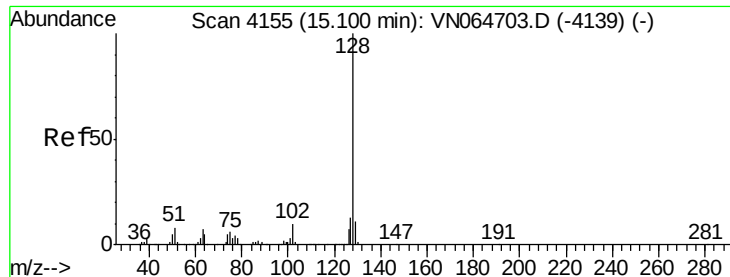
MMDadoda
 11/24/2020 3:11:12 PM



#94
 Hexachlorobutadiene
 Concen: 50.782 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN064724.D
 Acq: 19 Nov 2020 10:58

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	80047		
223	62.9	31.2	93.6	
227	61.9	32.1	96.3	





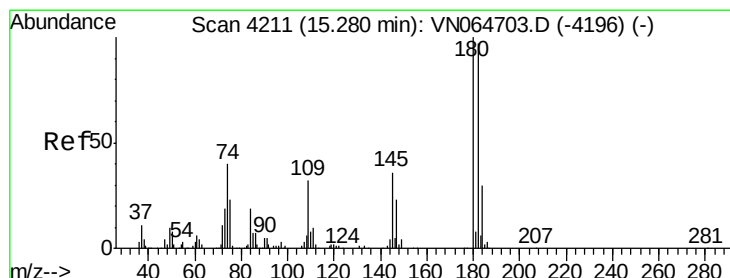
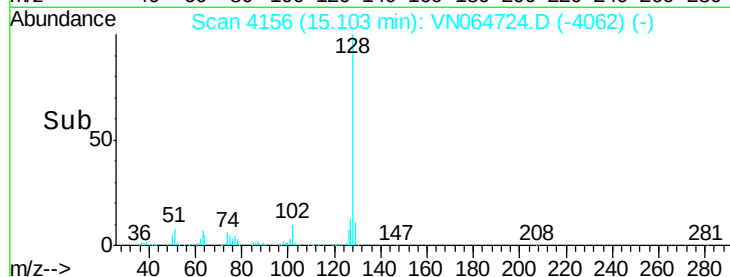
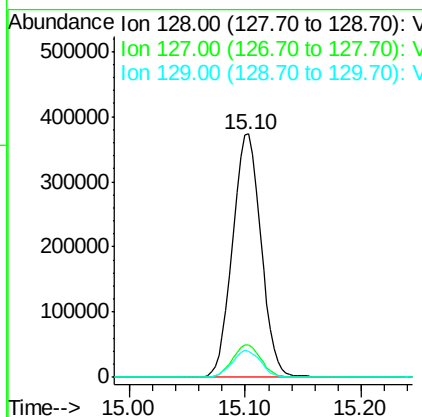
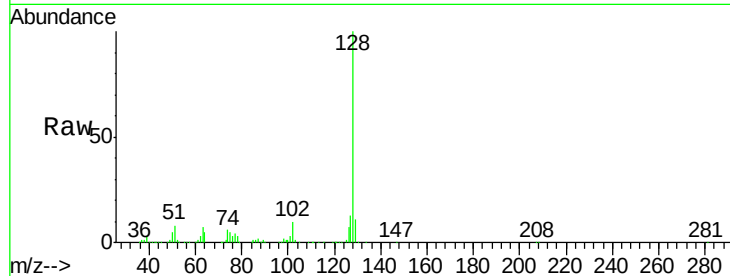
#95
Naphthalene
Concen: 50.792 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN064724.D
Acq: 19 Nov 2020 10:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.8	16.2
129	11.0	8.9	13.3

Manual Integrations
APPROVED

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11/24/2020 3:11:12 PM



#96
1,2,3-Trichlorobenzene
Concen: 49.463 ug/l
RT: 15.28 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN064724.D
Acq: 19 Nov 2020 10:58

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.5	142.5
145	34.9	18.1	54.1

