

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102320\
 Data File : VN064283.D
 Acq On : 23 Oct 2020 11:33
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 10/26/2020 1:38:49 PM

Quant Time: Oct 23 12:02:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N102320W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 23 11:22:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	51377	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	285411	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	261092	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	125507	29.31	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	97.70%
60) 4-Bromofluorobenzene	12.38	95	139576	30.03	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	100.10%
63) Toluene-d8	10.06	98	348828	29.59	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.63%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	489440	145.205	ug/l 97
3) Chloromethane	2.04	50	517874	149.640	ug/l 96
4) Vinyl Chloride	2.16	62	516575	151.978	ug/l 98
5) Bromomethane	2.51	94	322968	154.348	ug/l 98
6) Chloroethane	2.66	64	298965	151.095	ug/l 93
7) Trichlorofluoromethane	2.98	101	863528	157.945	ug/l 100
8) Diethyl Ether	3.37	74	281407	152.093	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	3.72	101	422746	146.363	ug/l # 86
10) 1,1-Dichloroethene	3.70	96	415582	146.569	ug/l 96
11) Methyl Iodide	3.91	142	631971	155.996	ug/l 99
12) Methyl Acetate	4.27	43	498751	165.294	ug/l 96
13) Acrolein	3.57	56	202734	620.455	ug/l 94
14) Acrylonitrile	4.93	53	975635	804.880	ug/l 99
15) Acetone	3.77	58	278287	809.741	ug/l 97
16) Carbon Disulfide	4.01	76	1216824	151.118	ug/l 95
17) Allyl chloride	4.27	41	855587	163.650	ug/l 91
18) Methylene Chloride	4.50	84	485233	148.978	ug/l 93
19) trans-1,2-Dichloroethene	4.99	96	467556	152.745	ug/l 93
20) Diisopropyl ether	5.90	45	1530986	156.765	ug/l 93
21) 1,1-Dichloroethane	5.80	63	908810	152.844	ug/l 97
22) cis-1,2-Dichloroethene	6.78	96	537277	150.492	ug/l # 89
23) tert-Butyl Alcohol	4.73	59	436427	771.140	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	1430372	152.399	ug/l 96
25) Chloroform	7.33	83	955276	153.631	ug/l 97
26) Cyclohexane	7.61	56	702107	149.207	ug/l # 99
29) 1,1-Dichloropropene	7.75	75	719424	157.036	ug/l 98
30) 2-Butanone	6.78	43	1566603	807.568	ug/l 99
31) 2,2-Dichloropropane	6.78	77	866321	148.042	ug/l 96
32) 1,1,1-Trichloroethane	7.53	97	907976	154.736	ug/l 95
33) Carbon Tetrachloride	7.73	117	823774	154.981	ug/l 95
34) Benzene	8.00	78	1990858	155.788	ug/l # 87
35) Methacrylonitrile	7.12	41	293155	142.068	ug/l 99
36) 1,2-Dichloroethane	8.08	62	813609	154.340	ug/l 97
37) Trichloroethene	8.80	130	542320	154.347	ug/l 96
38) Methylcyclohexane	9.05	83	658001	150.671	ug/l 96
39) 1,2-Dichloropropane	9.08	63	532071	155.079	ug/l 97
40) Dibromomethane	9.17	93	363778	151.429	ug/l 92

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	807051	156.908	ug/l	92
42) Vinyl Acetate	5.84	43	7091979	786.190	ug/l	99
43) Ethyl Acetate	6.88	43	668457	162.181	ug/l #	94
44) Isopropyl Acetate	8.13	43	1203091	152.261	ug/l	100
45) 1,4-Dioxane	9.17	88	147335	3156.834	ug/l	92
46) Methyl methacrylate	9.16	41	603564	159.143	ug/l	93
47) n-amyl Acetate	12.05	43	1116020	159.178	ug/l	98
48) t-1,3-Dichloropropene	10.35	75	915108	157.369	ug/l	100
49) cis-1,3-Dichloropropene	9.81	75	934881	156.149	ug/l	97
50) 1,1,2-Trichloroethane	10.53	97	491991	154.620	ug/l #	96
51) Ethyl methacrylate	10.40	69	782630	157.541	ug/l	87
52) 1,3-Dichloropropane	10.68	76	861390	156.583	ug/l	99
53) Dibromochloromethane	10.87	129	630077	159.525	ug/l	92
54) 1,2-Dibromoethane	10.98	107	526733	156.408	ug/l	99
55) 2-Chloroethyl vinyl ether	9.66	63	1992760	879.233	ug/l	99
56) Bromoform	12.10	173	451048	163.034	ug/l #	97
58) 4-Methyl-2-Pentanone	9.95	43	3348108	777.357	ug/l	98
59) 2-Hexanone	10.72	43	2496168	780.207	ug/l	99
61) Tetrachloroethene	10.60	164	521310	152.325	ug/l	94
62) Toluene	10.13	91	2223573	154.131	ug/l	100
64) Chlorobenzene	11.41	112	1388578	154.865	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.48	131	546733	154.704	ug/l	98
66) Ethyl Benzene	11.48	91	2545531	153.947	ug/l	98
67) m/p-Xylenes	11.60	106	1904396	309.156	ug/l	96
68) o-Xylene	11.92	106	922951	154.466	ug/l	93
69) Styrene	11.94	104	1590789	157.877	ug/l	97
70) Isopropylbenzene	12.22	105	2439400	154.895	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	659428	152.436	ug/l	97
72) 1,2,3-Trichloropropane	12.53	75	663741m	145.639	ug/l	
73) Bromobenzene	12.50	156	600331	158.678	ug/l	97
74) n-propylbenzene	12.57	91	2803822	155.457	ug/l	98
75) 2-Chlorotoluene	12.65	91	1718146	154.335	ug/l	97
76) 1,3,5-Trimethylbenzene	12.71	105	2086838	155.459	ug/l	98
77) t-1,4-Dichloro-2-butene	12.27	75	281306	158.860	ug/l	94
78) 4-Chlorotoluene	12.75	91	1849039	158.162	ug/l	98
79) tert-butylbenzene	12.97	119	1698945	154.621	ug/l	99
80) 1,2,4-Trimethylbenzene	13.01	105	2129595	157.072	ug/l	100
81) sec-Butylbenzene	13.14	105	2197996	154.878	ug/l	97
82) p-Isopropyltoluene	13.26	119	2061278	156.526	ug/l	95
83) 1,3-Dichlorobenzene	13.26	146	1096151	160.466	ug/l	98
84) 1,4-Dichlorobenzene	13.34	146	1095896	161.242	ug/l	99
85) n-Butylbenzene	13.59	91	1815764	155.792	ug/l	98
86) Hexachloroethane	13.85	117	352819	156.533	ug/l	92
87) 1,2-Dichlorobenzene	13.63	146	1046806	157.084	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.24	75	166916	150.799	ug/l	92
89) 1,2,4-Trichlorobenzene	14.88	180	637594	162.247	ug/l	96
90) Hexachlorobutadiene	14.98	225	311439	153.115	ug/l	98
91) Naphthalene	15.10	128	1876782	157.301	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	614134	162.935	ug/l	99

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QLast Update : Fri Oct 23 11:22:09 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

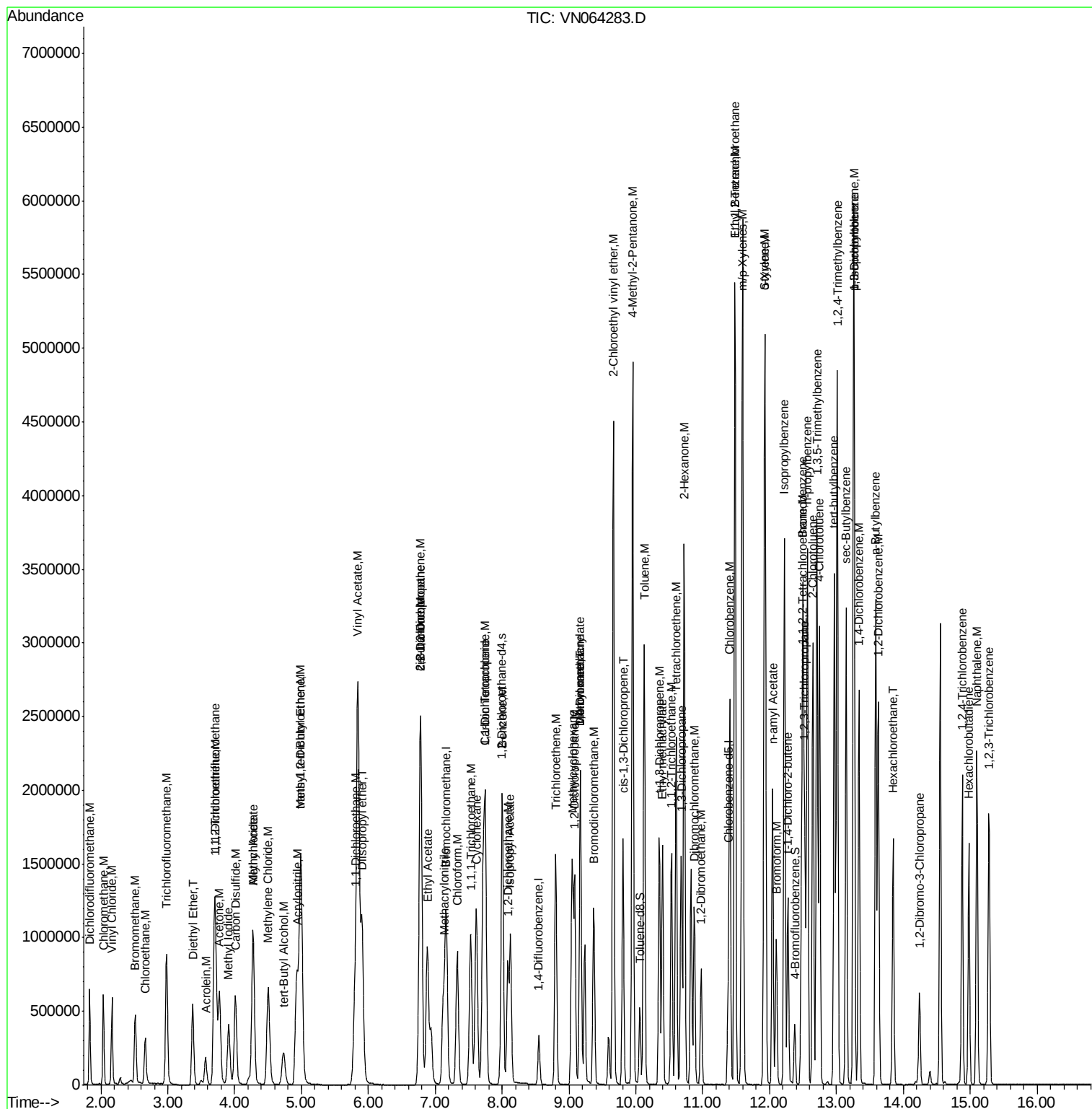
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Data File : VN064283.D
Acq On : 23 Oct 2020 11:33
Operator : JC/MD
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ALS Vial : 6 Sample Multiplier: 1

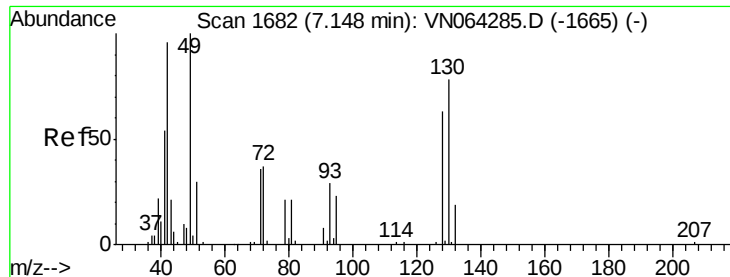
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Manual Integrations
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VN064283.D

Acq: 23 Oct 2020 11:33

Instrument :

MSVOA_N

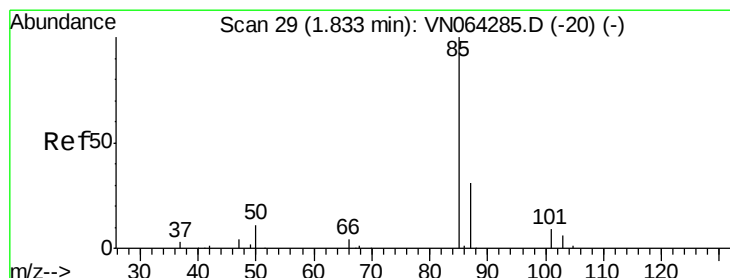
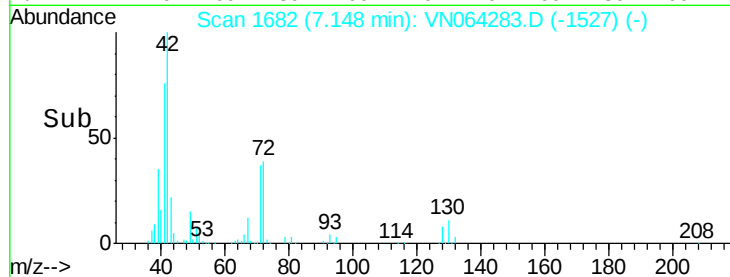
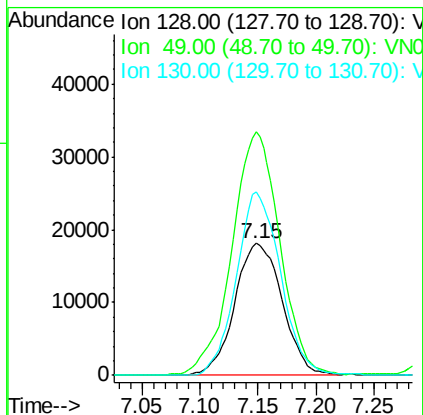
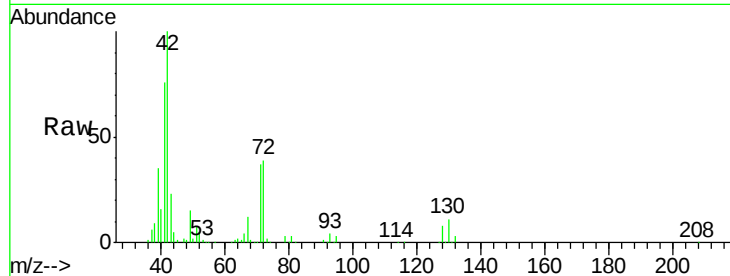
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
49	185.5	0.0	445.0
130	129.7	0.0	320.2

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 145.205 ug/l

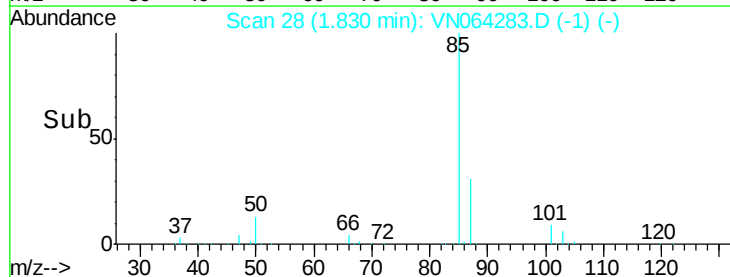
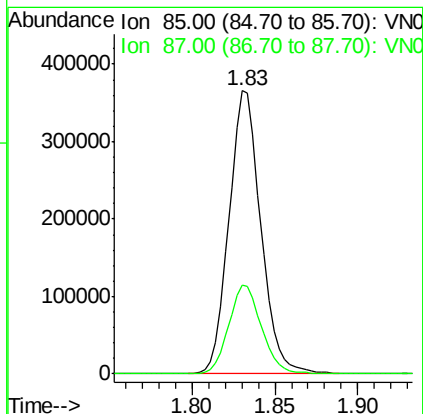
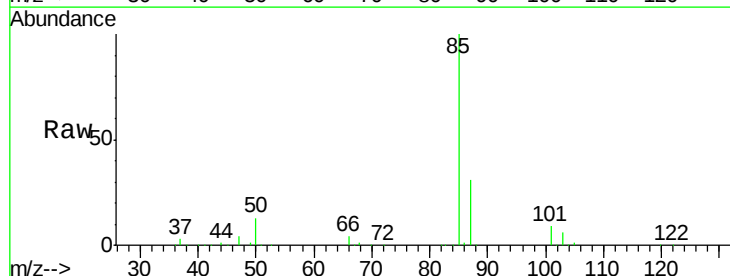
RT: 1.83 min Scan# 28

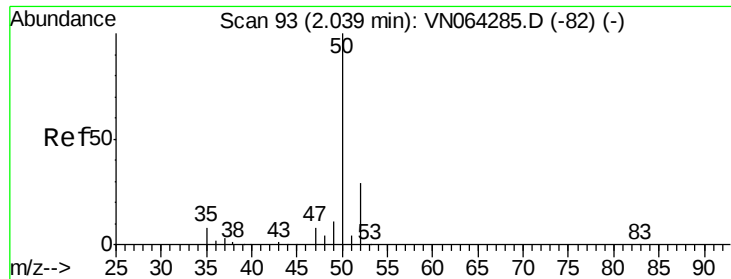
Delta R.T. -0.00 min

Lab File: VN064283.D

Acq: 23 Oct 2020 11:33

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.3	16.4	49.2





#3

Chloromethane

Concen: 149.640 ug/l

RT: 2.04 min Scan# 92

Delta R.T. -0.00 min

Lab File: VN064283.D

Acq: 23 Oct 2020 11:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 517874

Ion Ratio Lower Upper

50 100

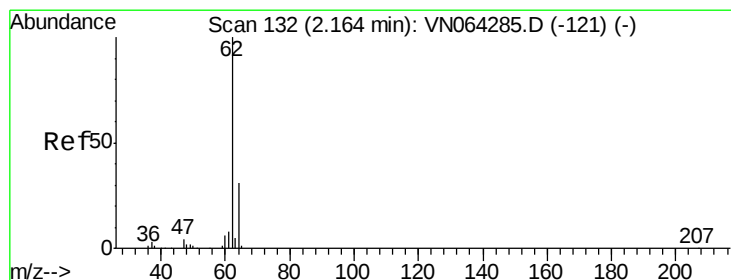
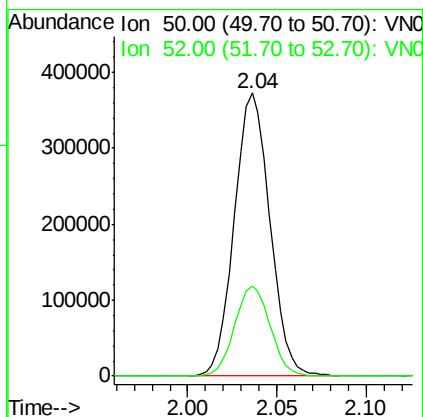
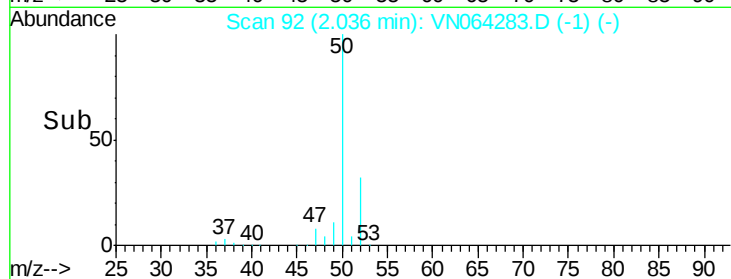
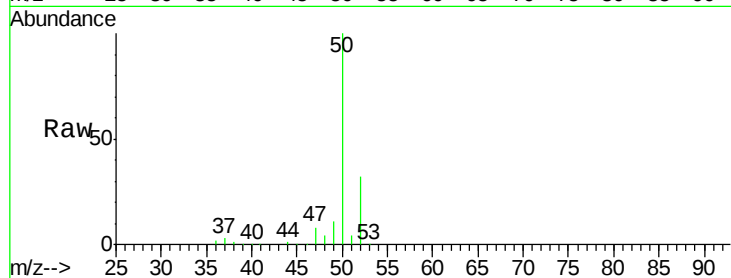
52 31.9 27.1 40.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 151.978 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN064283.D

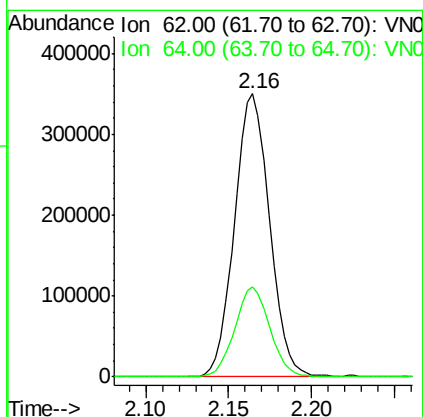
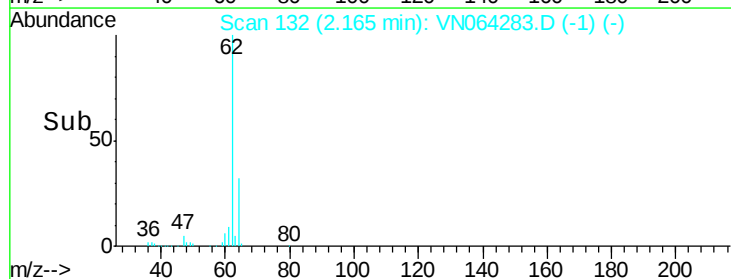
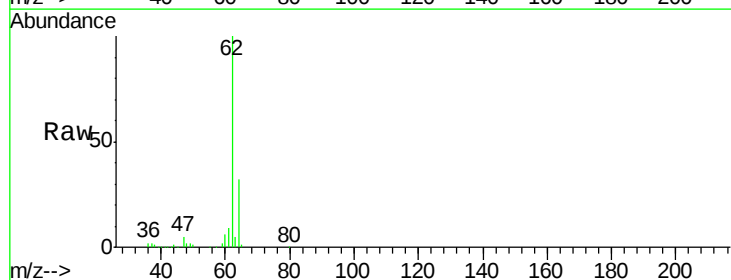
Acq: 23 Oct 2020 11:33

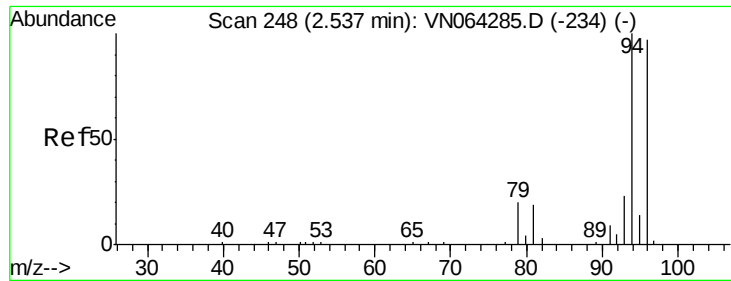
Tgt Ion: 62 Resp: 516575

Ion Ratio Lower Upper

62 100

64 31.9 26.6 39.8





#5

Bromomethane

Concen: 154.348 ug/l

RT: 2.51 min Scan# 240

Delta R.T. -0.03 min

Lab File: VN064283.D

Acq: 23 Oct 2020 11:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 322968

Ion Ratio Lower Upper

94 100

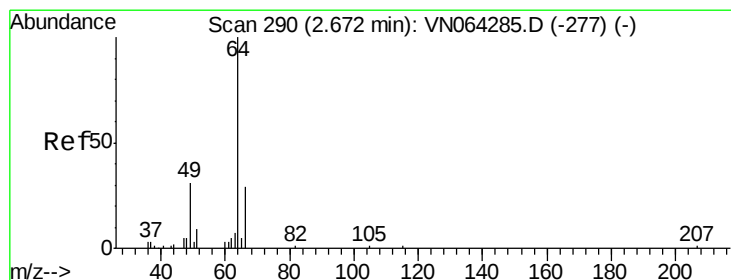
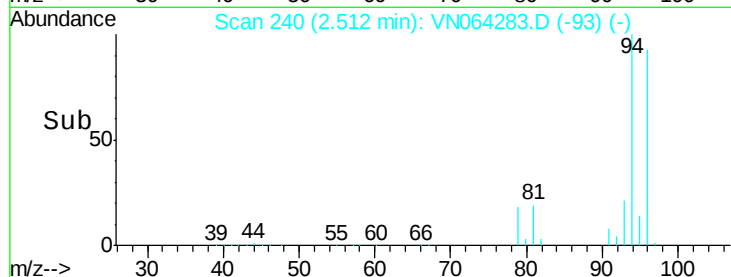
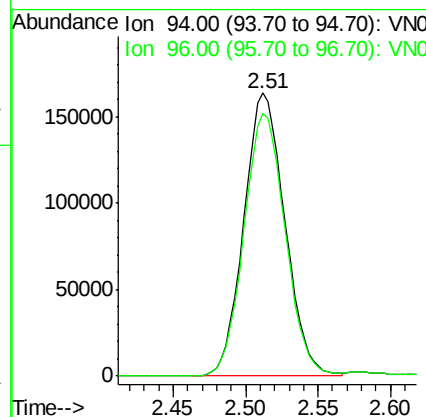
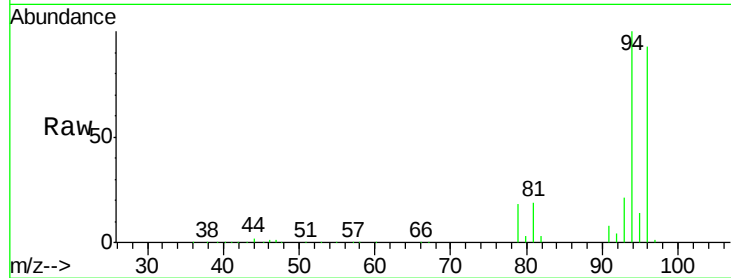
96 92.7 72.4 108.6

Manual Integrations

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#6

Chloroethane

Concen: 151.095 ug/l

RT: 2.66 min Scan# 287

Delta R.T. -0.01 min

Lab File: VN064283.D

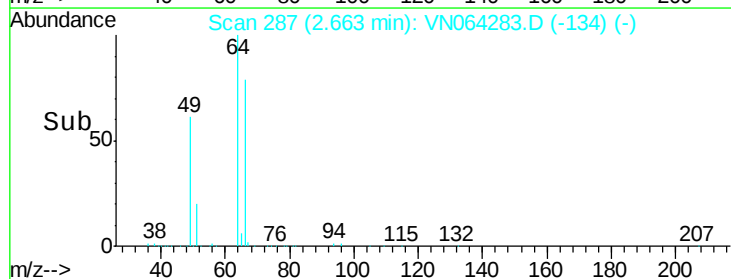
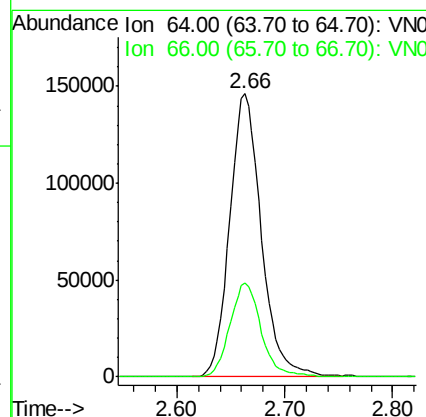
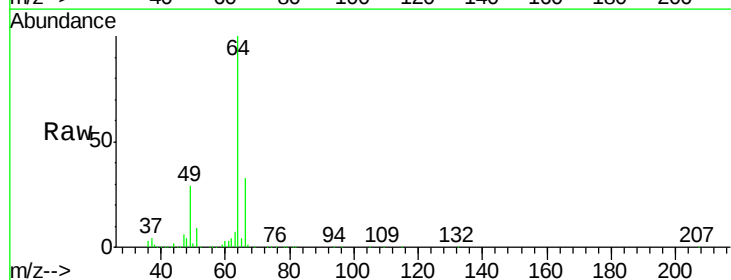
Acq: 23 Oct 2020 11:33

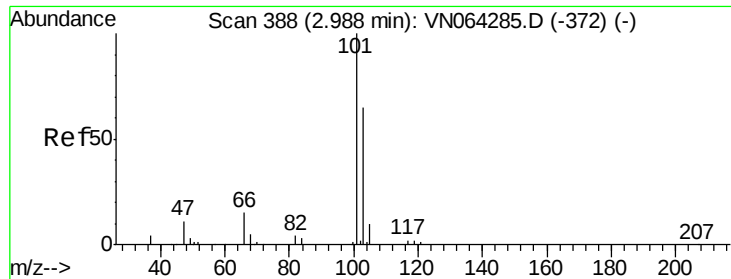
Tgt Ion: 64 Resp: 298965

Ion Ratio Lower Upper

64 100

66 33.1 23.4 35.2





#7

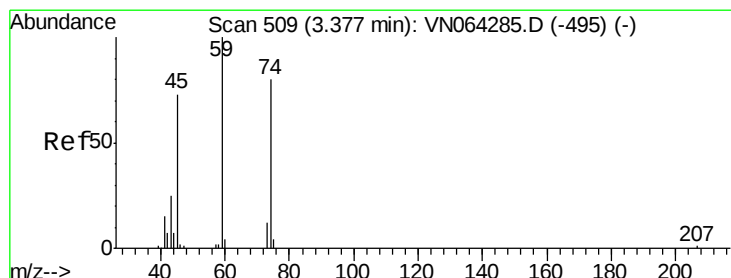
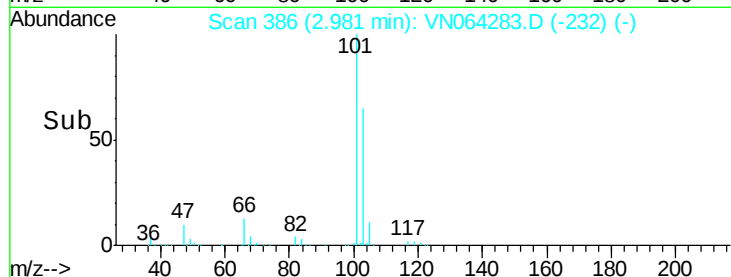
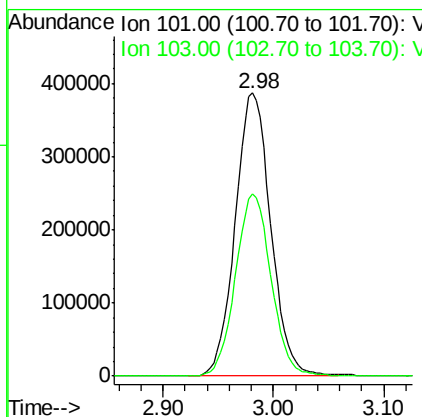
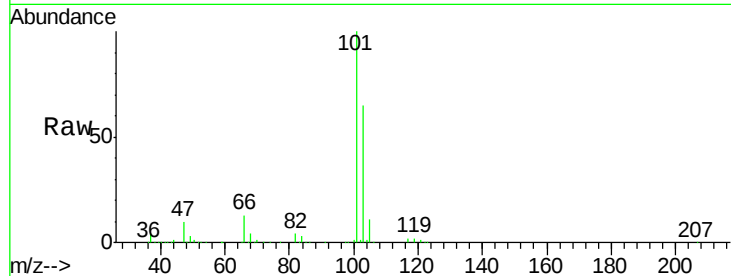
Trichlorofluoromethane
Concen: 157.945 ug/l
RT: 2.98 min Scan# 386
Delta R.T. -0.01 min
Lab File: VN064283.D
Acq: 23 Oct 2020 11:33

Instrument :
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ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.4	77.0

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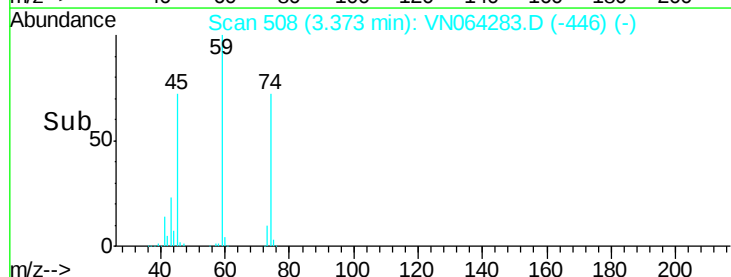
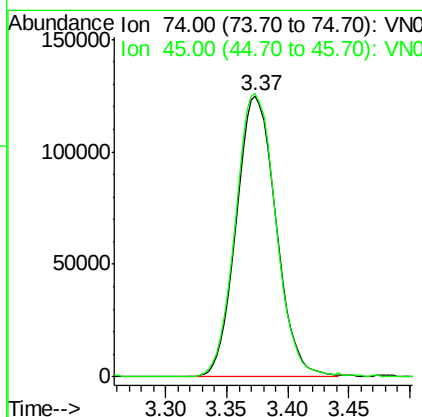
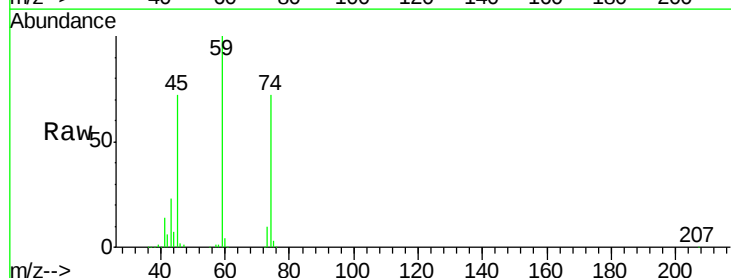
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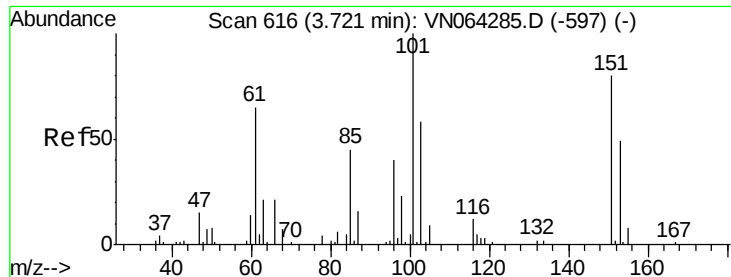


#8

Diethyl Ether
Concen: 152.093 ug/l
RT: 3.37 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN064283.D
Acq: 23 Oct 2020 11:33

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.2	21.3	191.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 146.363 ug/l

RT: 3.72 min Scan# 615

Delta R.T. -0.01 min

Lab File: VN064283.D

Acq: 23 Oct 2020 11:33

Instrument :

MSVOA_N

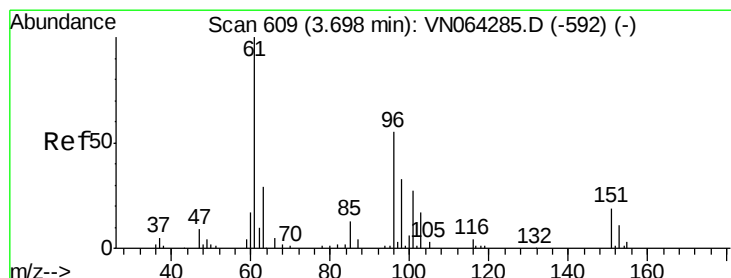
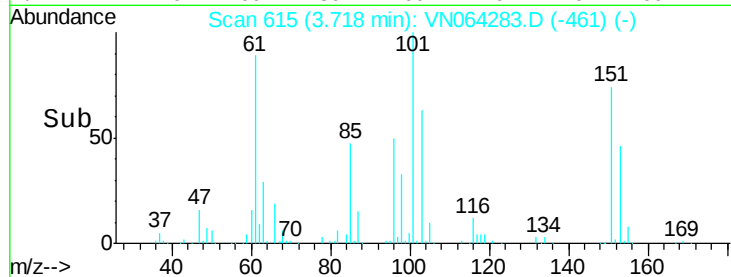
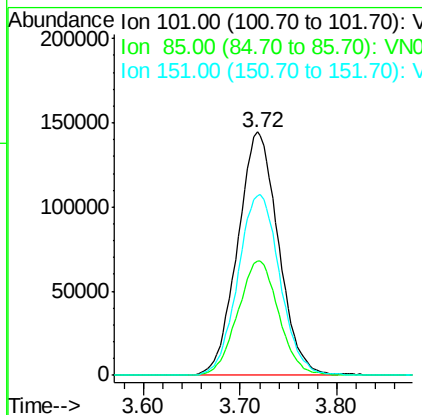
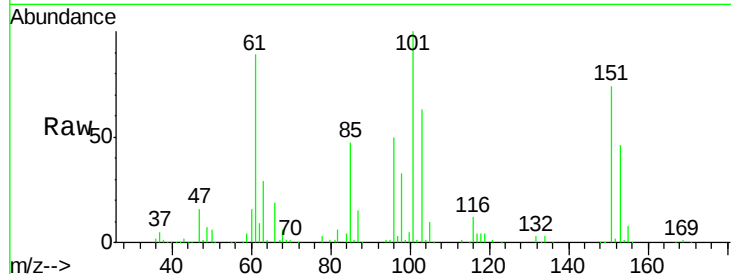
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	422746
Ion Ratio	Lower	Upper	
101	100		
85	47.5	0.0	47.4#
151	76.6	0.0	148.4

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 146.569 ug/l

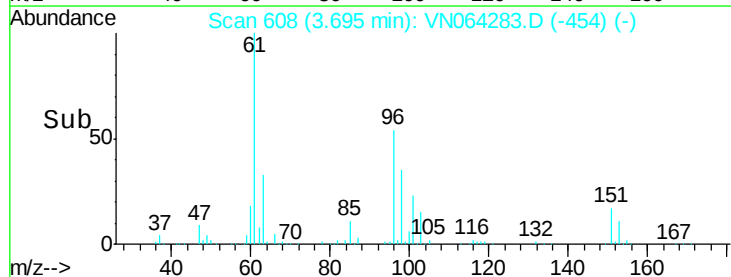
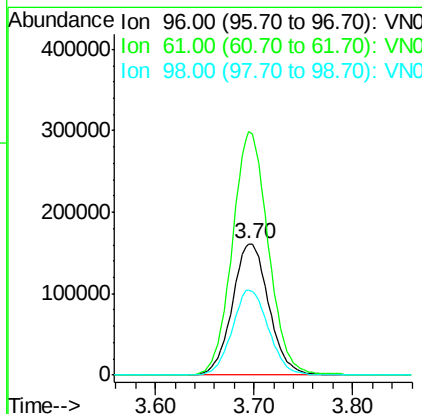
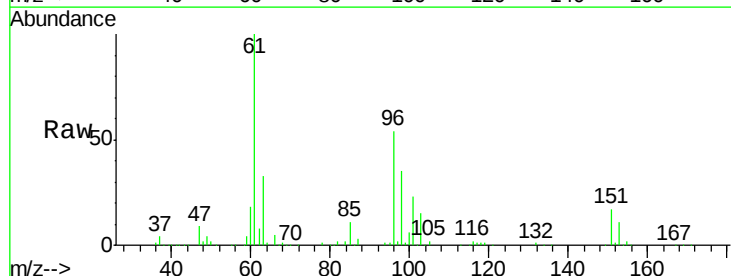
RT: 3.70 min Scan# 608

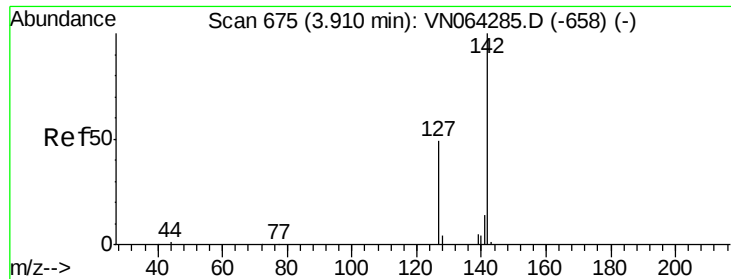
Delta R.T. -0.01 min

Lab File: VN064283.D

Acq: 23 Oct 2020 11:33

Tgt Ion:	96	Resp:	415582
Ion Ratio	Lower	Upper	
96	100		
61	184.8	144.2	216.4
98	64.9	47.4	71.0





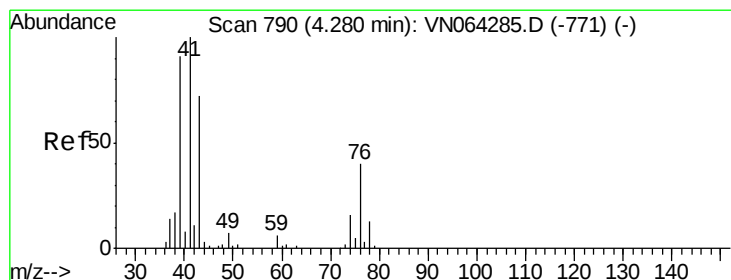
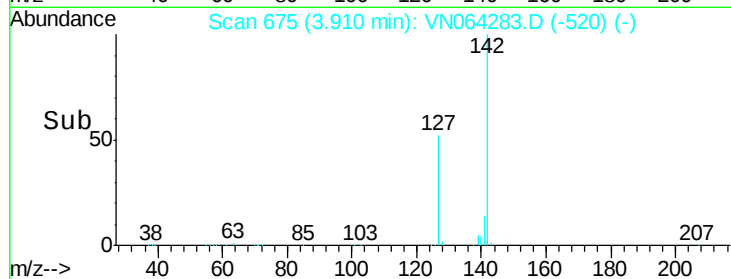
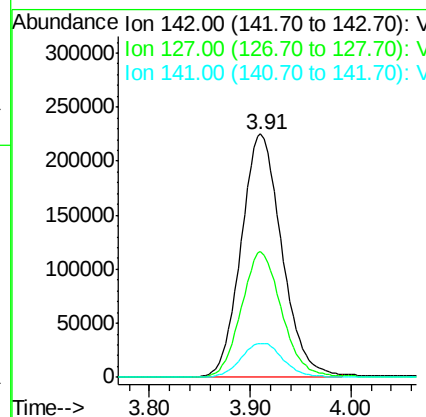
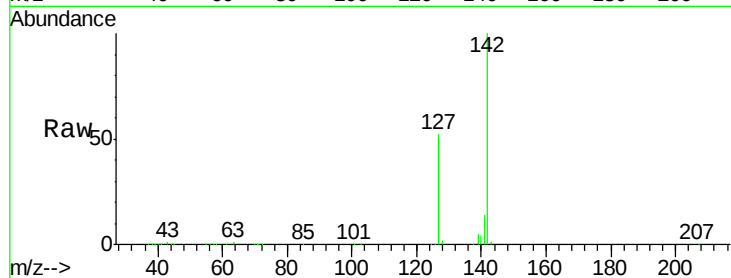
#11
Methyl Iodide
Concen: 155.996 ug/l
RT: 3.91 min Scan# 675
Delta R.T. -0.00 min
Lab File: VN064283.D
Acq: 23 Oct 2020 11:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
142	100		
127	51.6	25.9	77.8
141	14.1	7.5	22.6

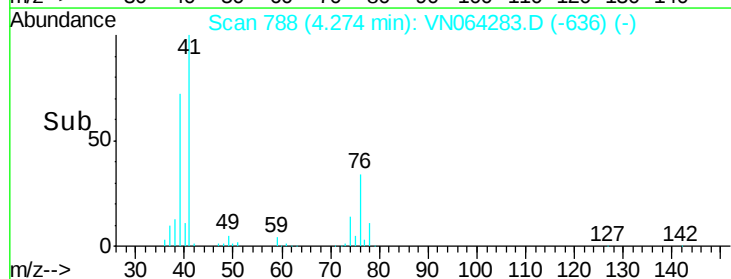
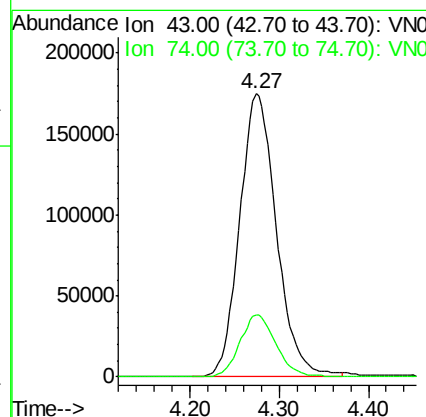
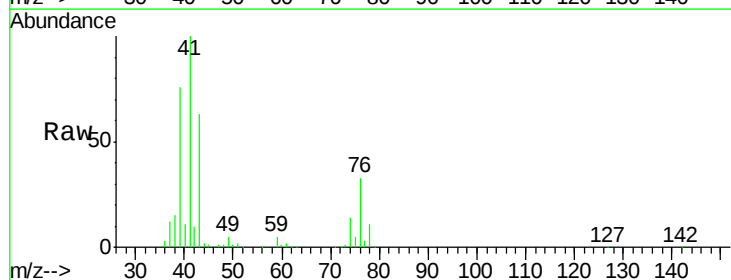
Manual Integrations
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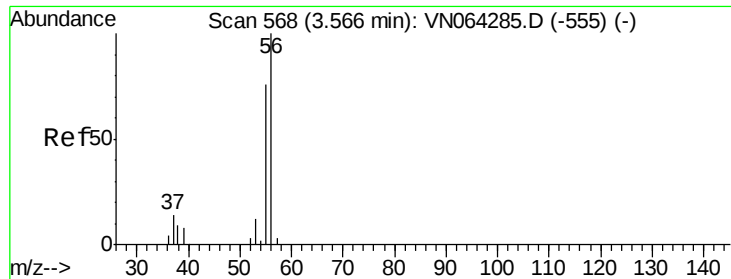
MMDadoda
10/26/2020 1:38:49 PM



#12
Methyl Acetate
Concen: 165.294 ug/l
RT: 4.27 min Scan# 788
Delta R.T. -0.01 min
Lab File: VN064283.D
Acq: 23 Oct 2020 11:33

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.0	19.0	28.6





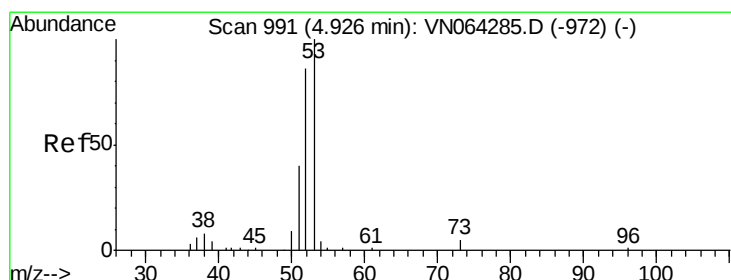
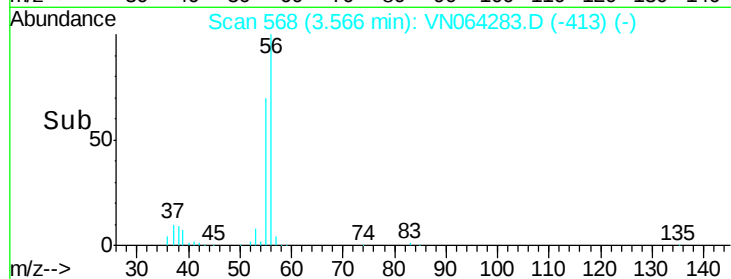
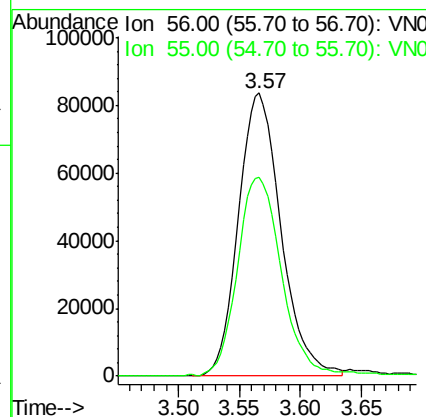
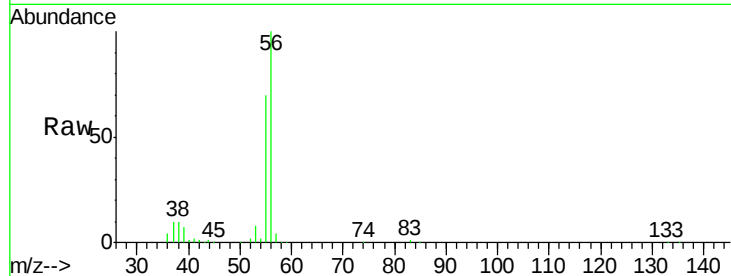
#13
Acrolein
Concen: 620.455 ug/l
RT: 3.57 min Scan# 568
Delta R.T. -0.00 min
Lab File: VN064283.D
Acq: 23 Oct 2020 11:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	71.5	61.0	91.6	

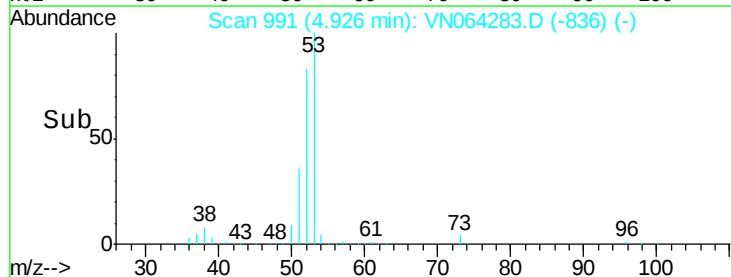
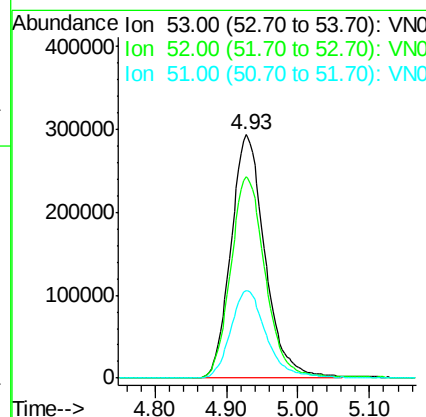
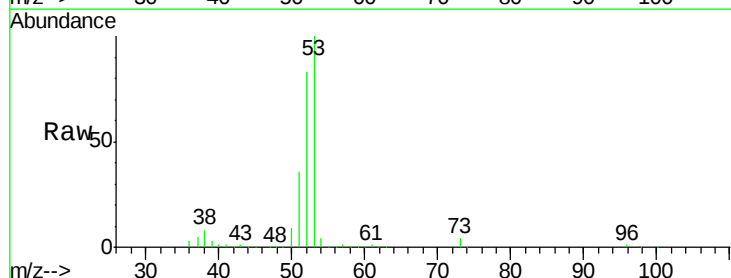
Manual Integrations
APPROVED

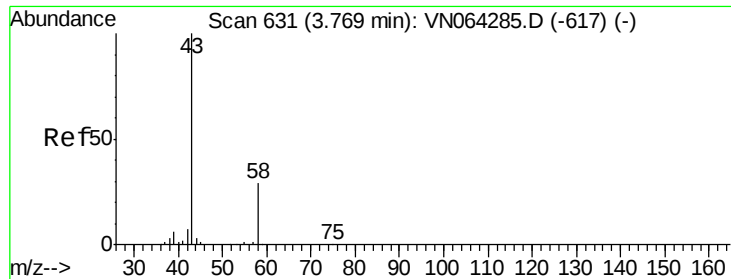
MMDadoda
10/26/2020 1:38:49 PM



#14
Acrylonitrile
Concen: 804.880 ug/l
RT: 4.93 min Scan# 991
Delta R.T. -0.00 min
Lab File: VN064283.D
Acq: 23 Oct 2020 11:33

Tgt Ion	Ion	Ratio	Lower	Upper
53	100			
52	83.9	41.7	125.1	
51	37.6	18.9	56.7	





#15

Acetone

Concen: 809.741 ug/l

RT: 3.77 min Scan# 632

Delta R.T. -0.01 min

Lab File: VN064283.D

Acq: 23 Oct 2020 11:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 58 Resp: 278287

Ion Ratio Lower Upper

58 100

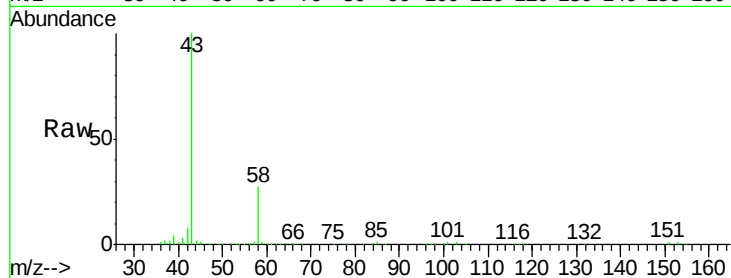
43 365.0 297.4 446.0

Manual Integrations

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Abundance Ion 58.00 (57.70 to 58.70): VN064283.D (-617) (-)

Ion 43.00 (42.70 to 43.70): VN064283.D (-617) (-)

400000

300000

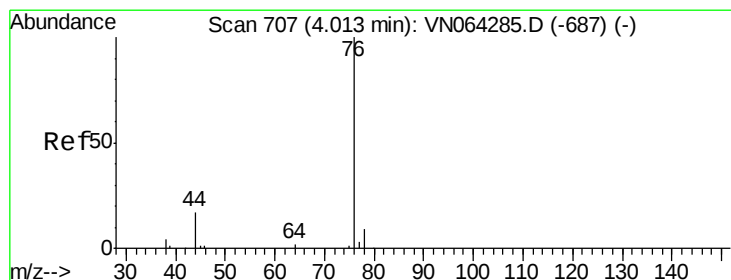
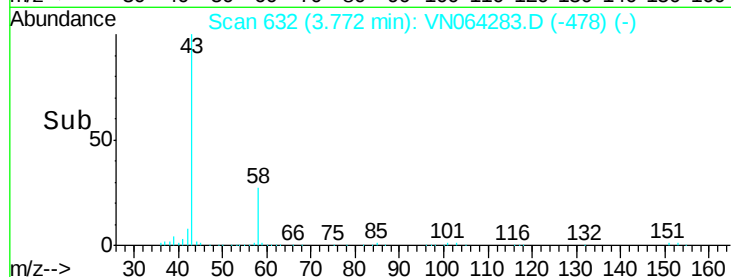
200000

100000

0

3.70 3.80 3.90

Time-->



#16

Carbon Disulfide

Concen: 151.118 ug/l

RT: 4.01 min Scan# 706

Delta R.T. -0.00 min

Lab File: VN064283.D

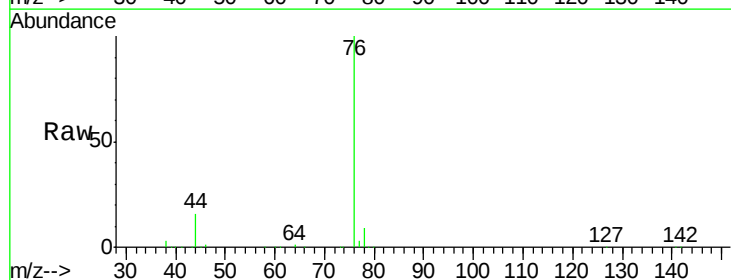
Acq: 23 Oct 2020 11:33

Tgt Ion: 76 Resp: 1216824

Ion Ratio Lower Upper

76 100

78 9.3 9.0 13.4



Abundance Ion 76.00 (75.70 to 76.70): VN064283.D (-551) (-)

Ion 78.00 (77.70 to 78.70): VN064283.D (-551) (-)

500000

400000

300000

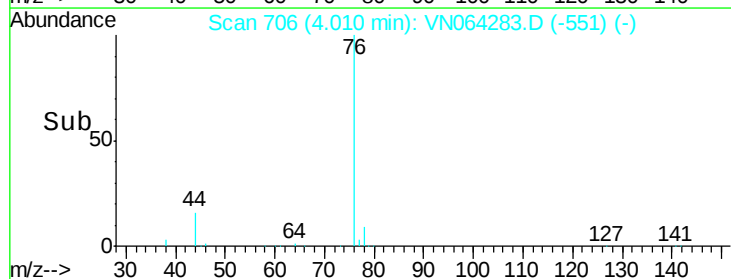
200000

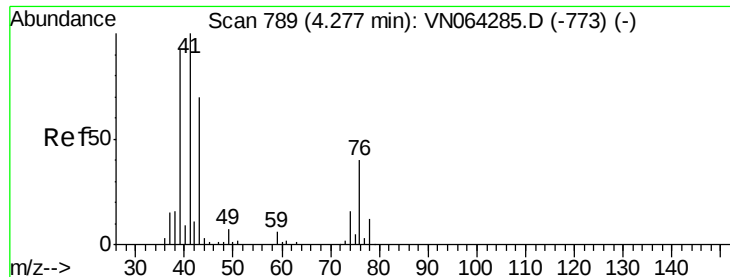
100000

0

3.90 4.00 4.10

Time-->





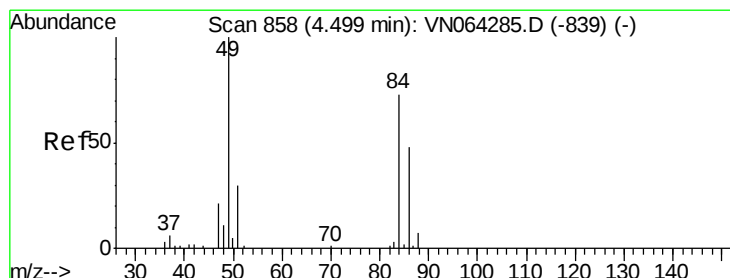
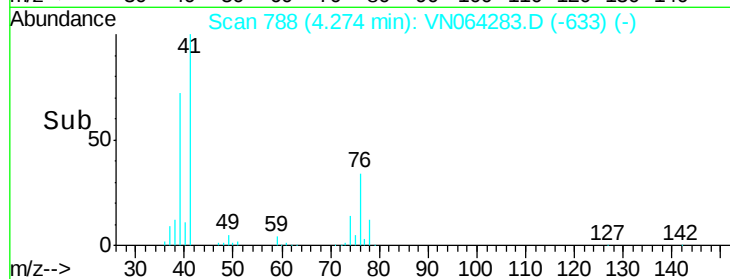
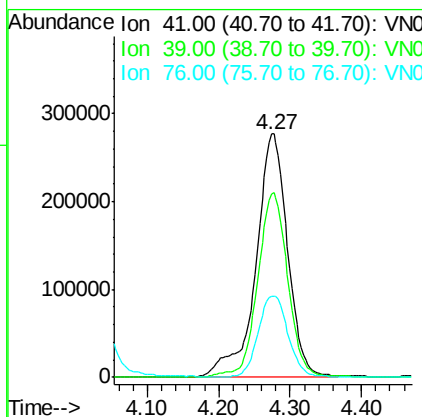
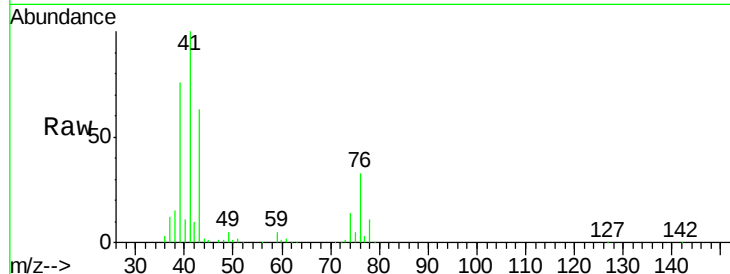
#17
Allvl chloride
Concen: 163.650 ug/l
RT: 4.27 min Scan# 788
Delta R.T. -0.00 min
Lab File: VN064283.D
Acq: 23 Oct 2020 11:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
41	100		
39	75.6	39.9	119.6
76	32.8	21.4	64.2

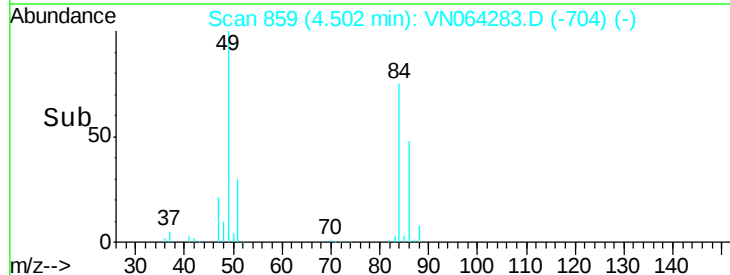
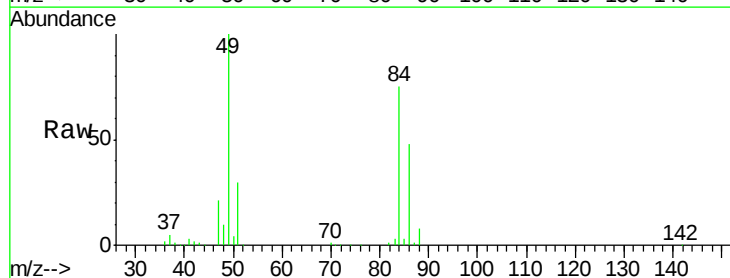
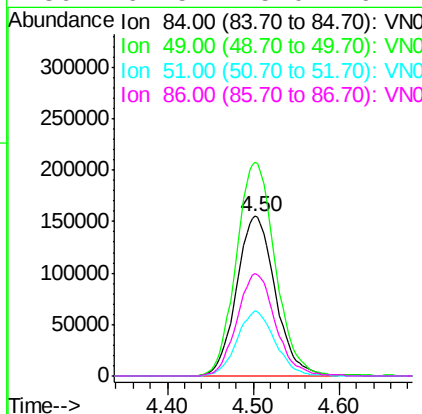
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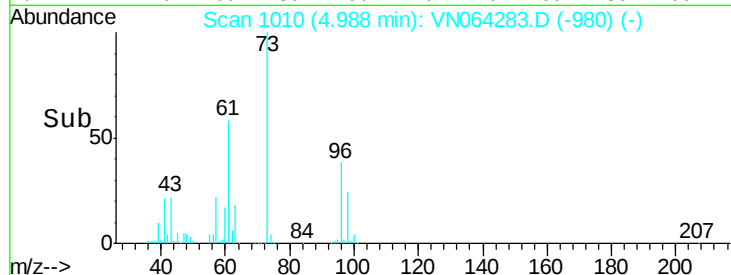
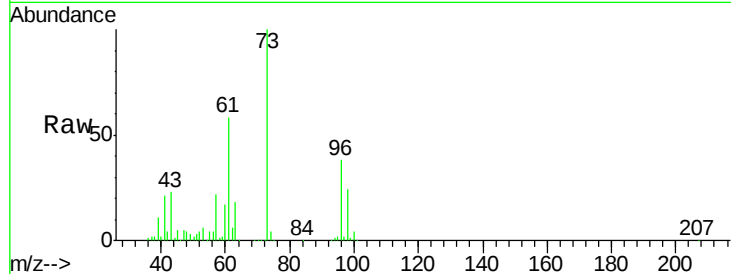
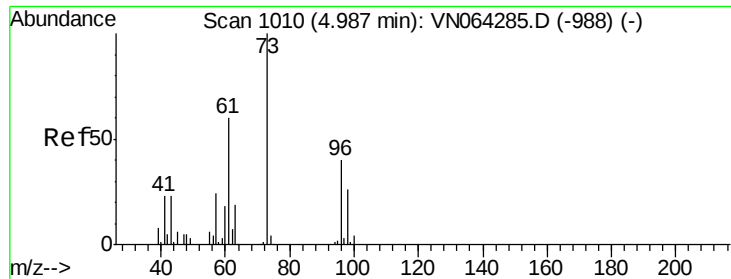
MMDadoda
10/26/2020 1:38:49 PM



#18
Methylene Chloride
Concen: 148.978 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN064283.D
Acq: 23 Oct 2020 11:33

Tgt Ion	Ratio	Lower	Upper
84	100		
49	133.8	101.1	151.7
51	40.7	33.4	50.0
86	64.5	45.0	67.4





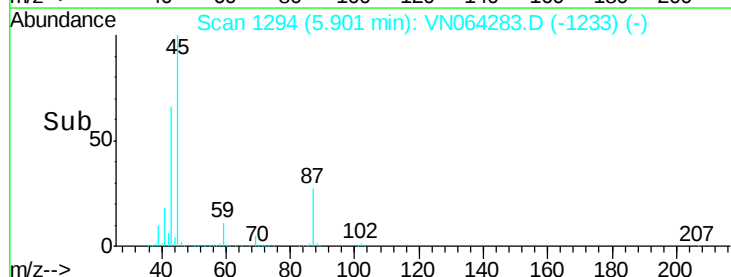
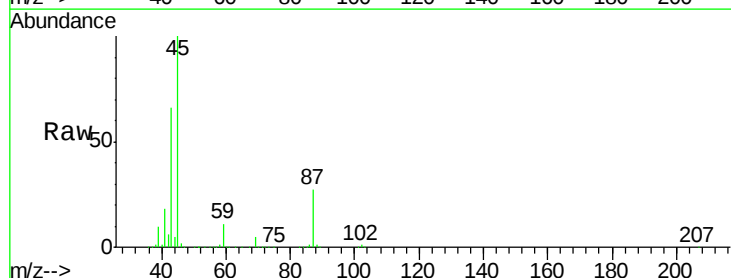
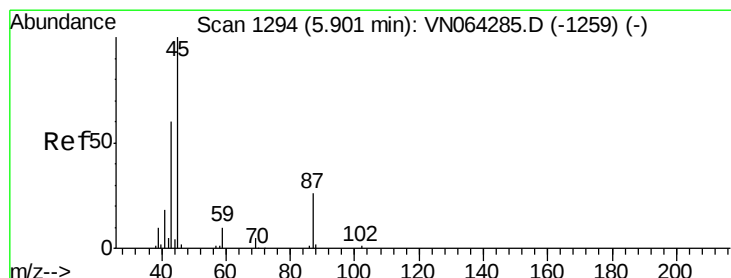
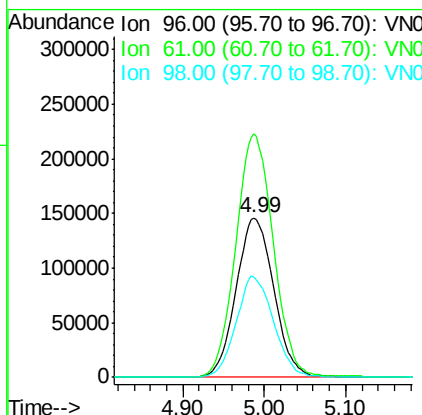
#19
trans-1,2-Dichloroethene
Concen: 152.745 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VN064283.D
Acq: 23 Oct 2020 11:33

Tot Ion	Ratio	Lower	Upper
96	100		
61	152.9	114.2	171.2
98	63.1	52.8	79.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

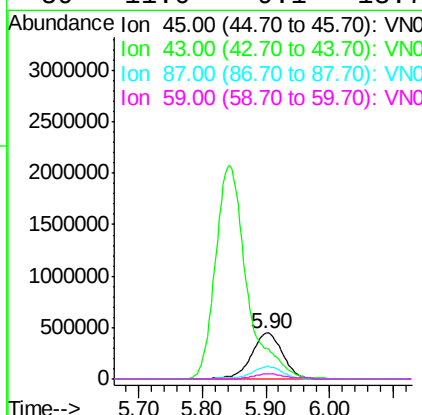
Manual Integrations
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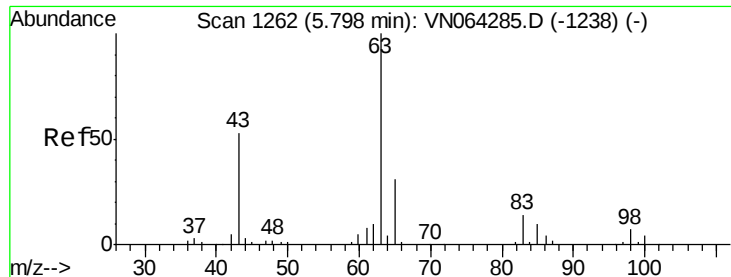
MMDadoda
10/26/2020 1:38:49 PM



#20
Diisopropyl ether
Concen: 156.765 ug/l
RT: 5.90 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VN064283.D
Acq: 23 Oct 2020 11:33

Tgt Ion	Ratio	Lower	Upper
45	100		
43	65.1	58.9	88.3
87	26.7	21.0	31.4
59	11.0	9.1	13.7





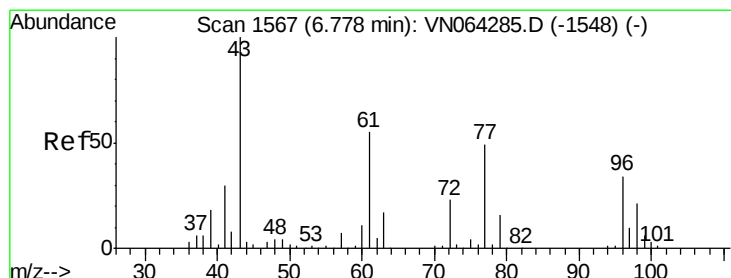
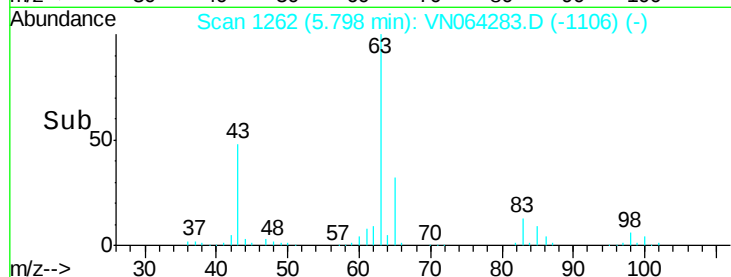
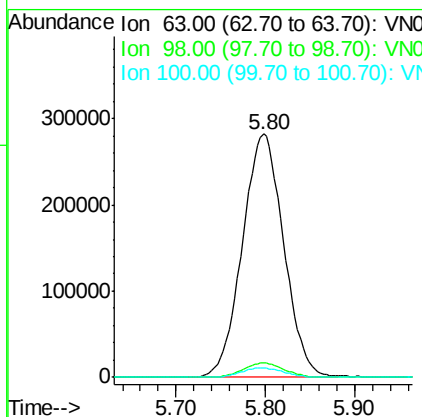
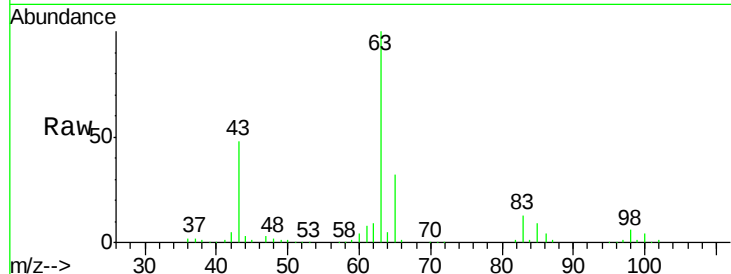
#21
 1,1-Dichloroethane
 Concen: 152.844 ug/l
 RT: 5.80 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VN064283.D
 Acq: 23 Oct 2020 11:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
63	100			
98	5.9	3.5	10.6	
100	3.7	1.6	4.7	

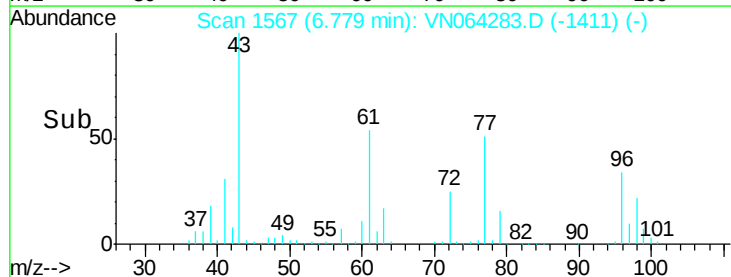
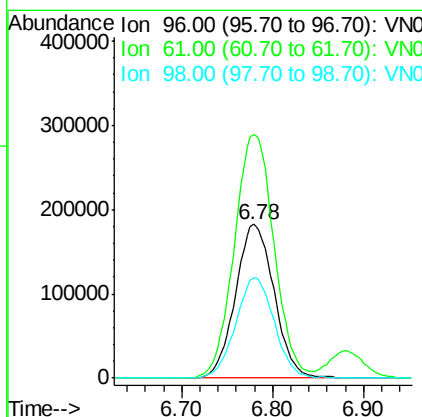
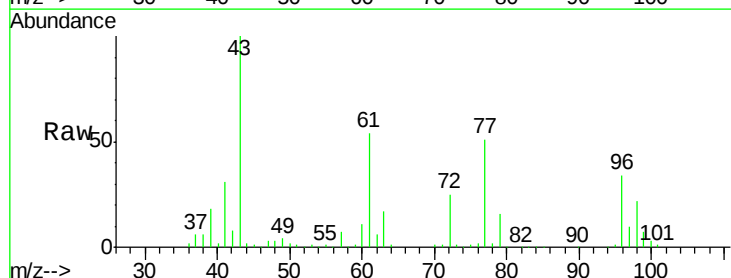
Manual Integrations
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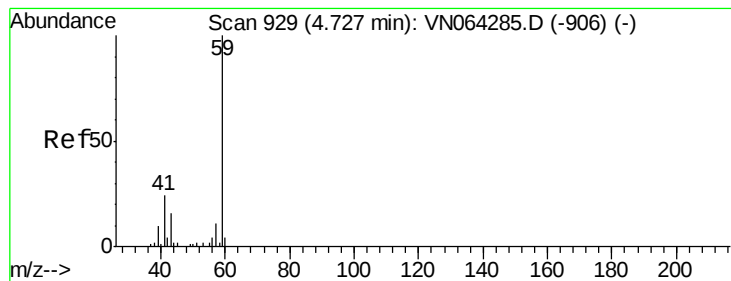
MMDadoda
 10/26/2020 1:38:49 PM



#22
 cis-1,2-Dichloroethene
 Concen: 150.492 ug/l
 RT: 6.78 min Scan# 1567
 Delta R.T. 0.00 min
 Lab File: VN064283.D
 Acq: 23 Oct 2020 11:33

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	162.6	132.2	198.2	
98	65.1	26.5	39.7	





#23

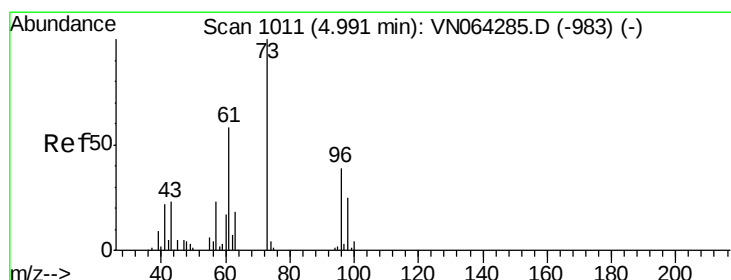
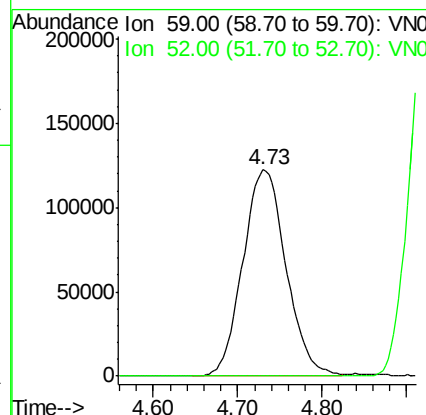
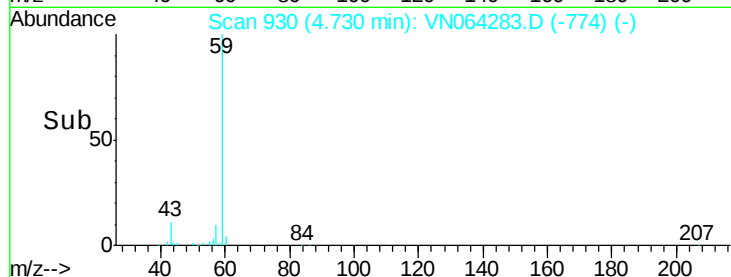
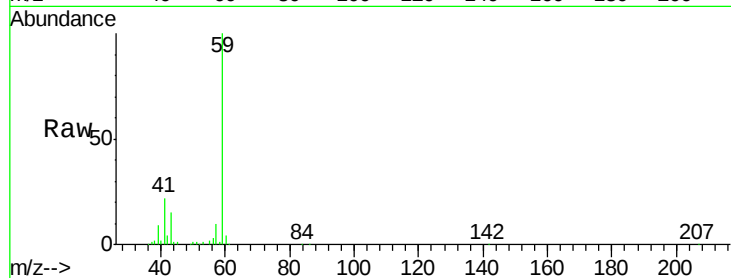
tert-Butyl Alcohol
 Concen: 771.140 ug/l
 RT: 4.73 min Scan# 930
 Delta R.T. 0.00 min
 Lab File: VN064283.D
 Acq: 23 Oct 2020 11:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
59	100			
52	0.1	0.2	0.2#	

Manual Integrations
 APPROVED

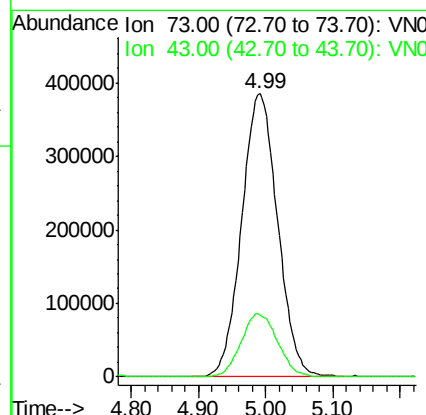
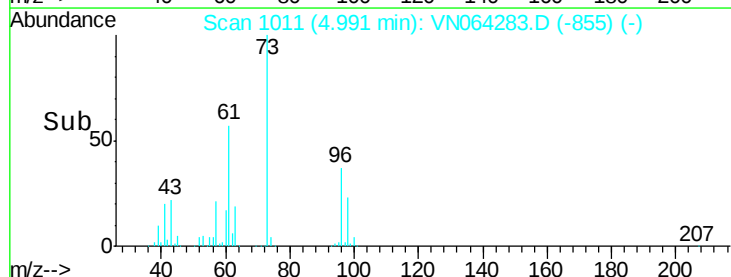
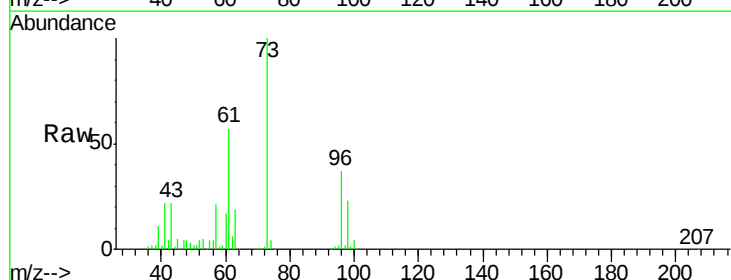
MMDadoda
 10/26/2020 1:38:49 PM

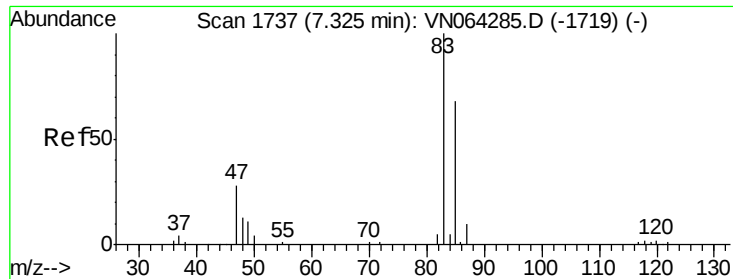


#24

Methyl tert-Butyl Ether
 Concen: 152.399 ug/l
 RT: 4.99 min Scan# 1011
 Delta R.T. 0.00 min
 Lab File: VN064283.D
 Acq: 23 Oct 2020 11:33

Tgt Ion	Ion	Ratio	Lower	Upper
73	100			
43	22.5	19.7	29.5	





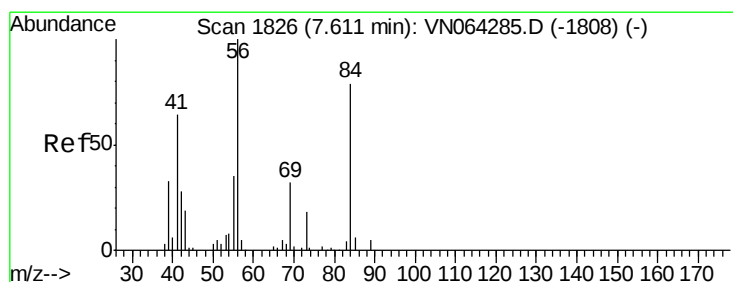
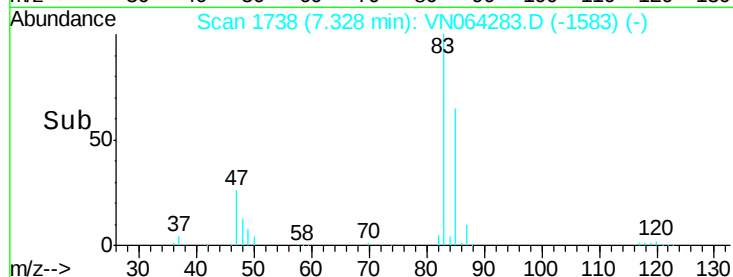
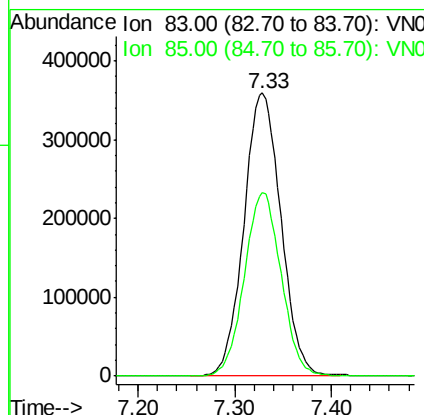
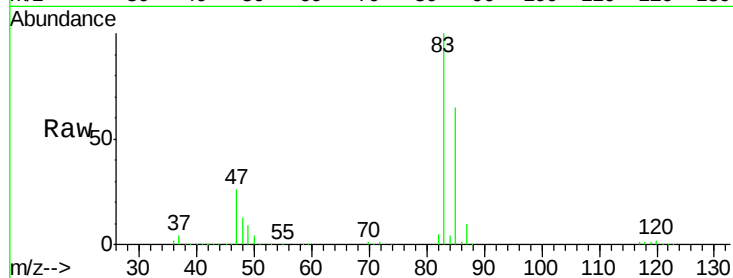
#25
Chloroform
Concen: 153.631 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN064283.D
Acq: 23 Oct 2020 11:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	83	Resp	955276
Ion Ratio	100	Lower	Upper
83	100		
85	65.0	50.3	75.5

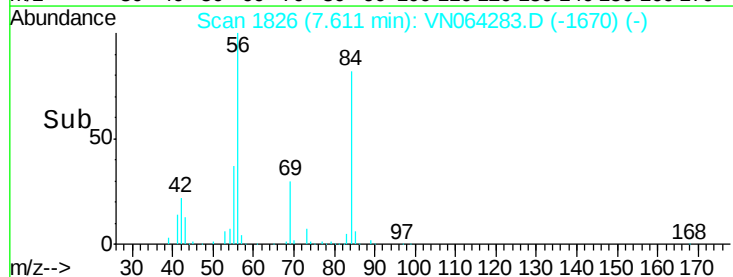
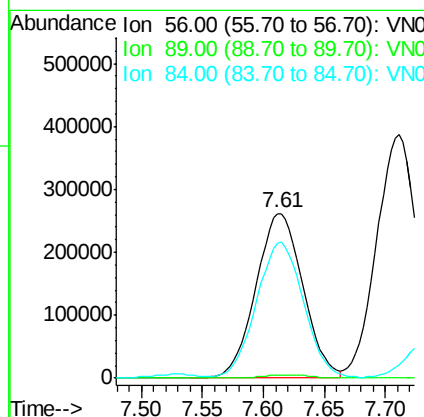
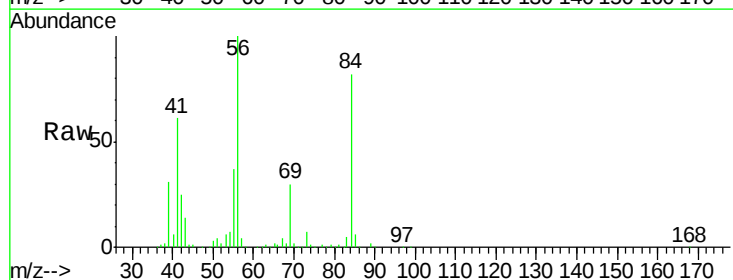
Manual Integrations
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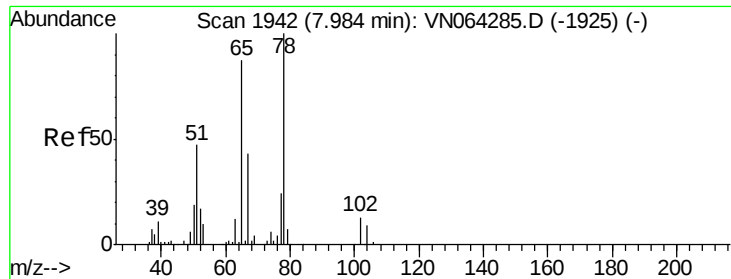
MMDadoda
10/26/2020 1:38:49 PM



#26
Cyclohexane
Concen: 149.207 ug/l
RT: 7.61 min Scan# 1826
Delta R.T. 0.00 min
Lab File: VN064283.D
Acq: 23 Oct 2020 11:33

Tgt Ion	56	Resp	702107
Ion Ratio	100	Lower	Upper
56	100		
89	2.0	3.4	5.2#
84	82.9	66.2	99.2





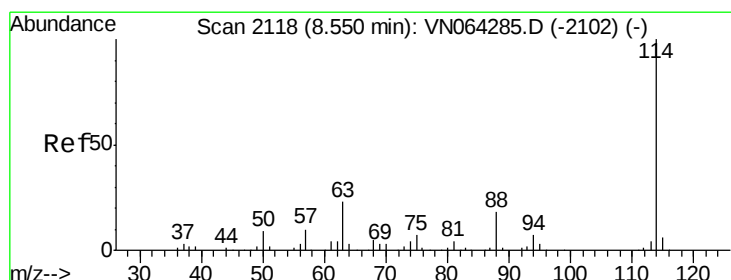
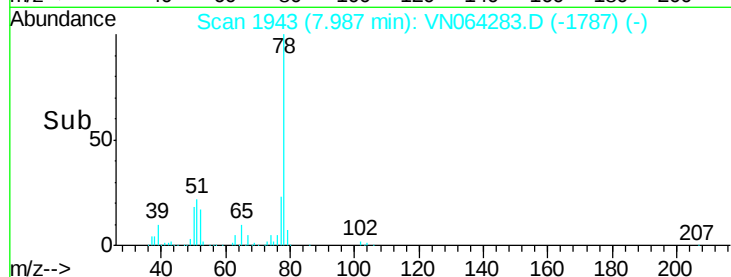
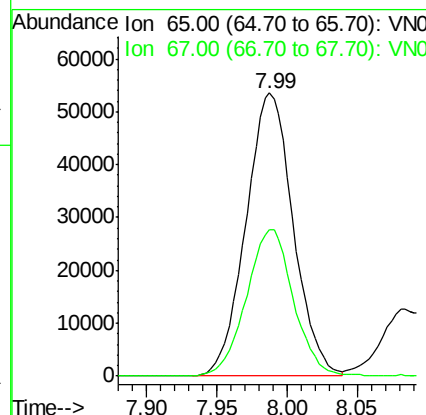
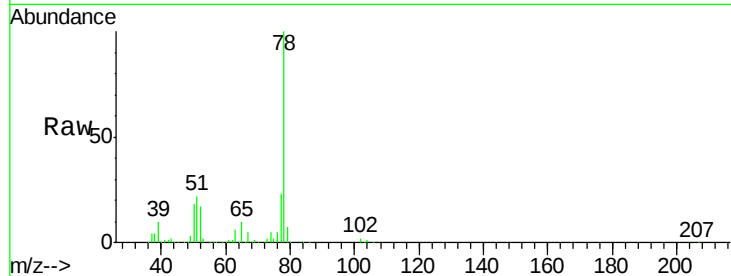
#27
 1,2-Dichloroethane-d4
 Concen: 29.309 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064283.D
 Acq: 23 Oct 2020 11:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 65 Resp: 125507
 Ion Ratio Lower Upper
 65 100
 67 51.5 38.4 57.6

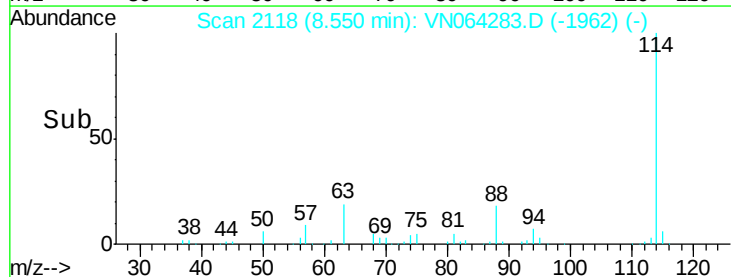
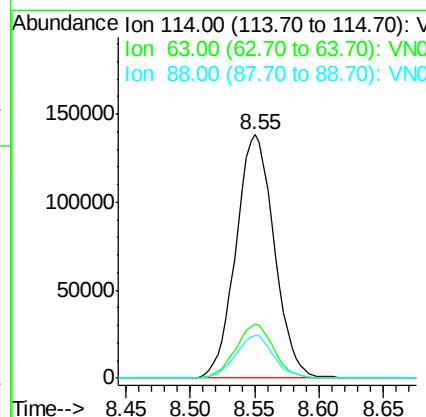
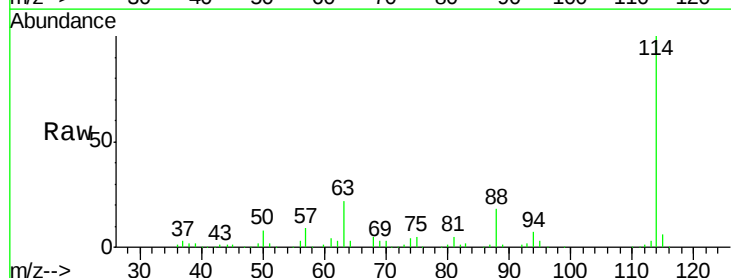
Manual Integrations
 APPROVED

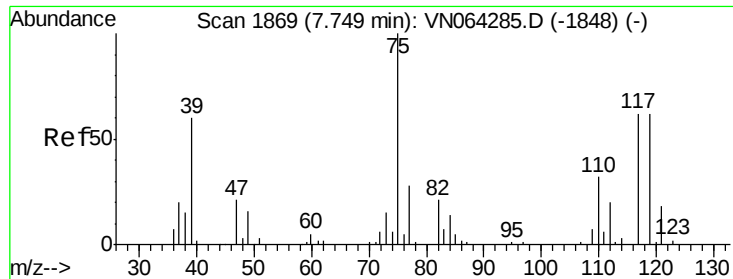
MMDadoda
 10/26/2020 1:38:49 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064283.D
 Acq: 23 Oct 2020 11:33

Tgt Ion: 114 Resp: 285411
 Ion Ratio Lower Upper
 114 100
 63 21.9 17.8 26.8
 88 17.3 13.8 20.8





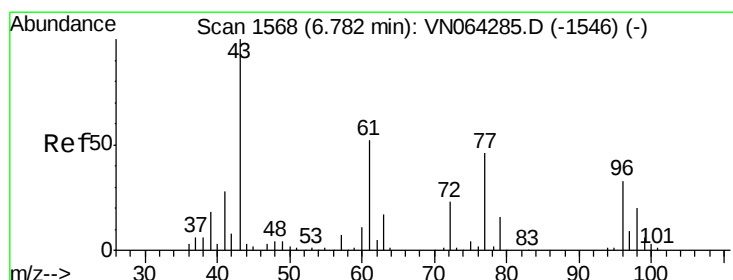
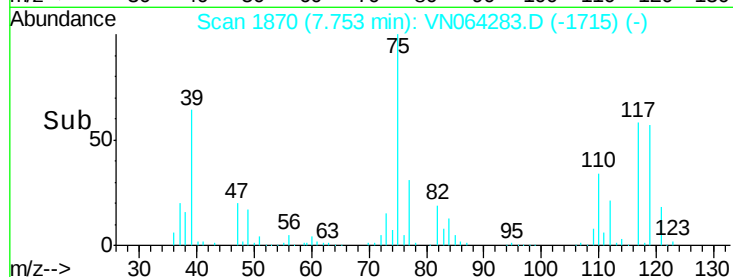
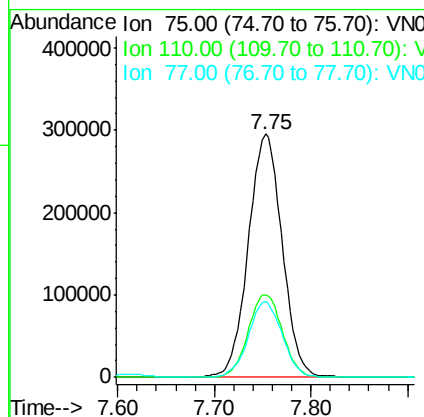
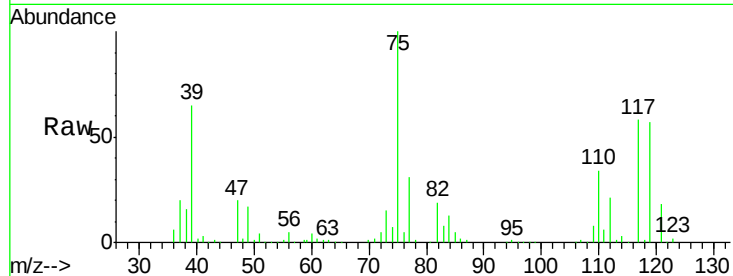
#29
 1,1-Dichloropropene
 Concen: 157.036 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: VN064283.D
 Acq: 23 Oct 2020 11:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
110	34.3	0.0	66.2
77	31.4	0.0	64.4

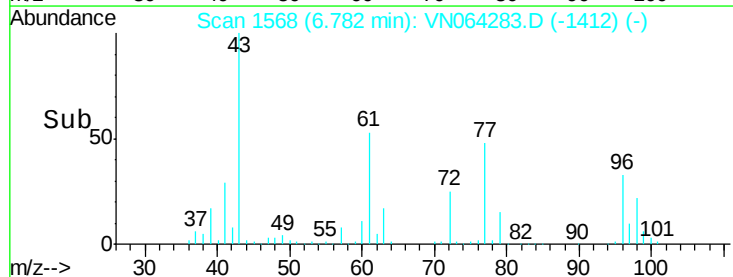
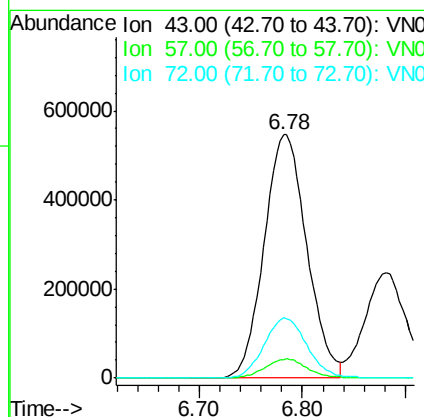
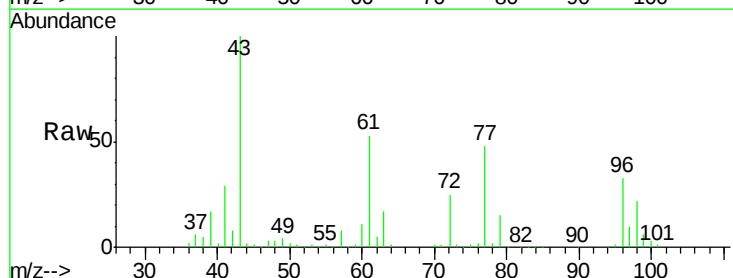
Manual Integrations
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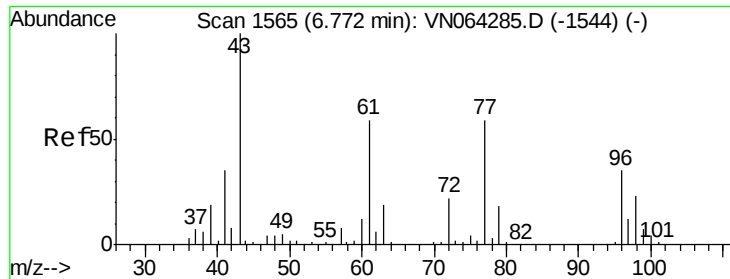
MMDadoda
 10/26/2020 1:38:49 PM



#30
 2-Butanone
 Concen: 807.568 ug/l
 RT: 6.78 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VN064283.D
 Acq: 23 Oct 2020 11:33

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.9	6.4	9.6
72	24.9	19.4	29.0





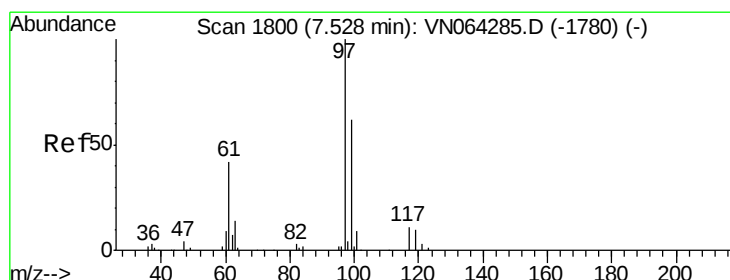
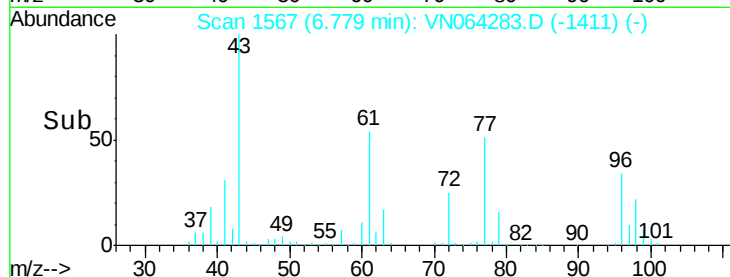
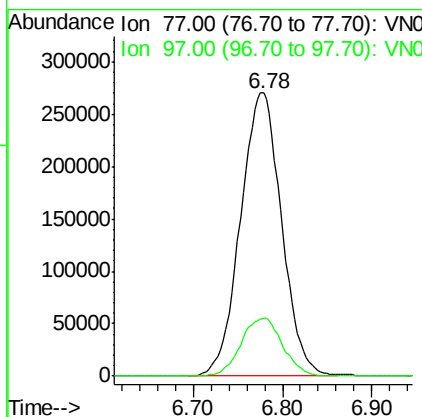
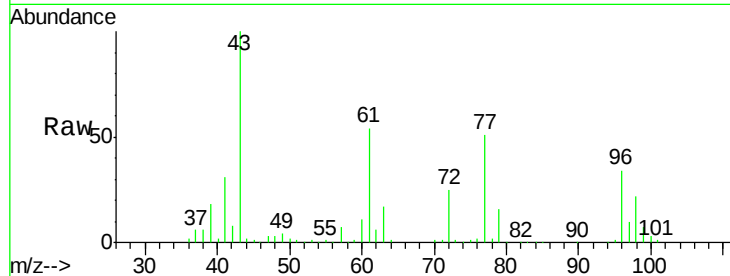
#31
 2,2-Dichloropropane
 Concen: 148.042 ug/l
 RT: 6.78 min Scan# 1567
 Delta R.T. 0.00 min
 Lab File: VN064283.D
 Acq: 23 Oct 2020 11:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 77 Resp: 866321
 Ion Ratio Lower Upper
 77 100
 97 20.8 15.1 22.7

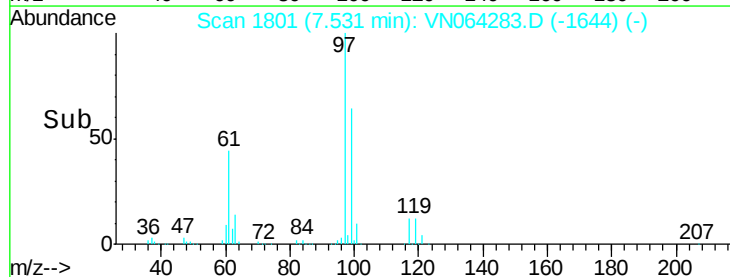
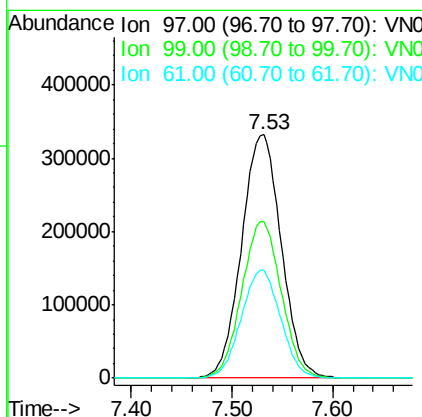
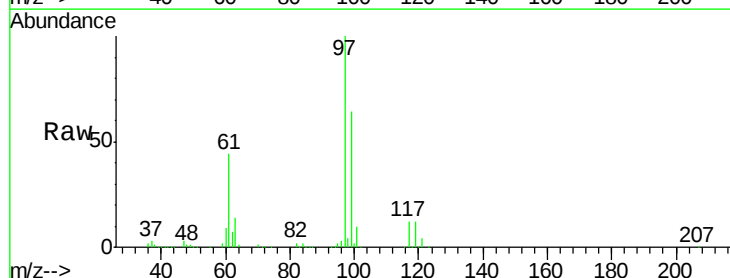
Manual Integrations
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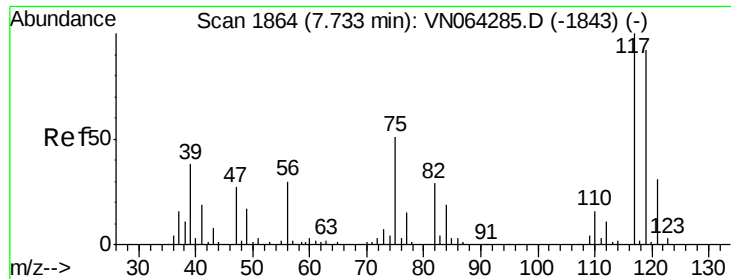
MMDadoda
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#32
 1,1,1-Trichloroethane
 Concen: 154.736 ug/l
 RT: 7.53 min Scan# 1801
 Delta R.T. 0.00 min
 Lab File: VN064283.D
 Acq: 23 Oct 2020 11:33

Tgt Ion: 97 Resp: 907976
 Ion Ratio Lower Upper
 97 100
 99 63.9 54.4 81.6
 61 43.9 37.5 56.3





#33

Carbon Tetrachloride

Concen: 154.981 ug/l

RT: 7.73 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VN064283.D

Acq: 23 Oct 2020 11:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:117 Resp: 823774

Ion Ratio Lower Upper

117 100

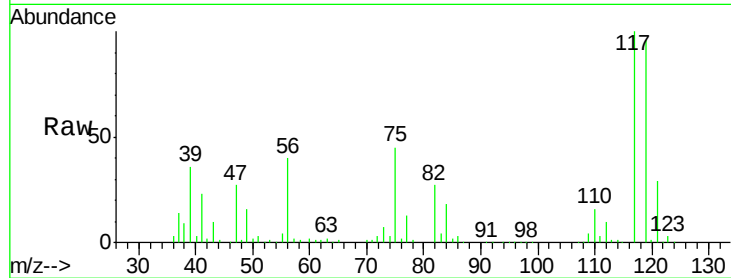
119 95.7 80.1 120.1

121 29.3 26.2 39.2

Manual Integrations
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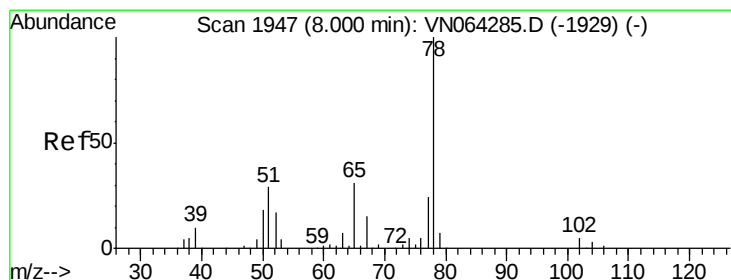
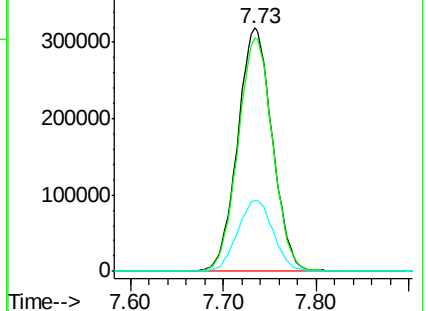
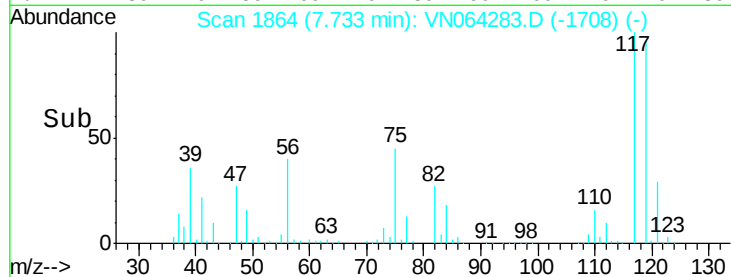
10/26/2020 1:38:49 PM



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 155.788 ug/l

RT: 8.00 min Scan# 1948

Delta R.T. 0.00 min

Lab File: VN064283.D

Acq: 23 Oct 2020 11:33

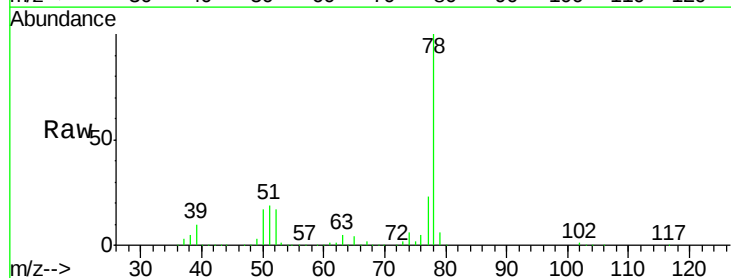
Tgt Ion: 78 Resp: 1990858

Ion Ratio Lower Upper

78 100

77 23.3 19.2 28.8

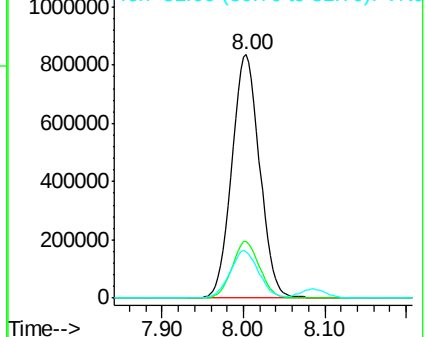
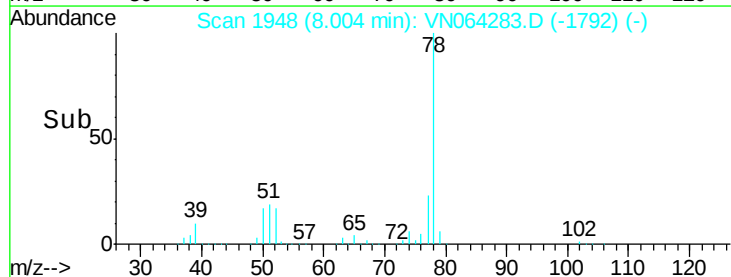
51 19.1 25.2 37.8#

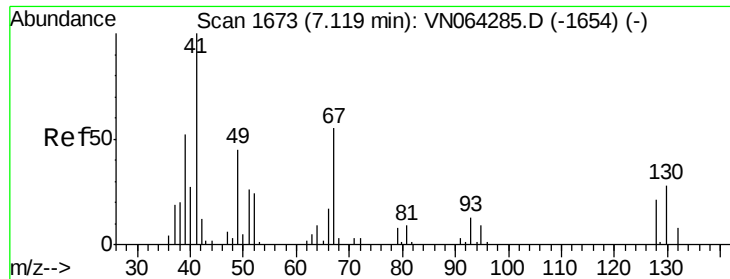


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V





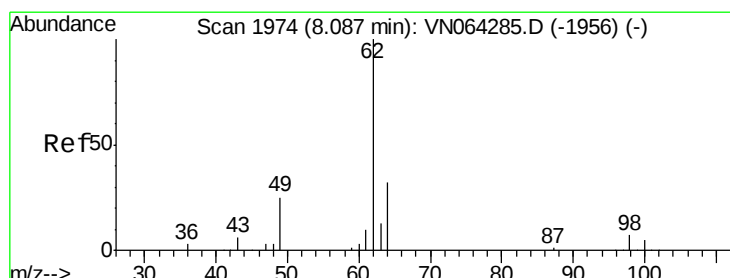
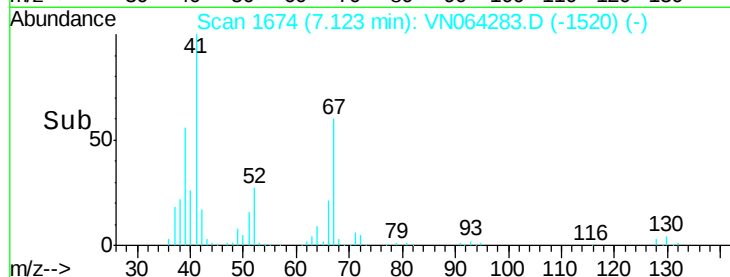
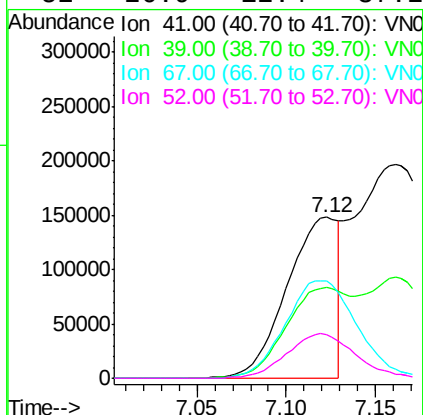
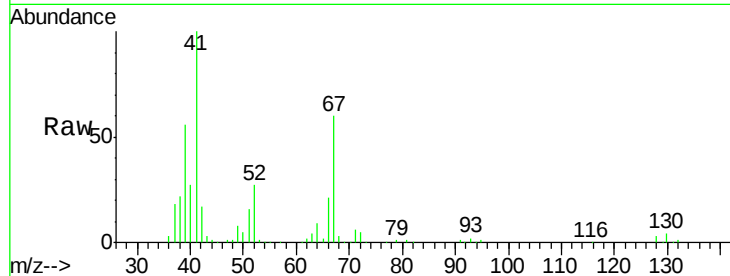
#35
Methacrylonitrile
Concen: 142.068 ug/l
RT: 7.12 min Scan# 1674
Delta R.T. -0.01 min
Lab File: VN064283.D
Acq: 23 Oct 2020 11:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		293155		
39	55.8	28.0	83.9		
67	60.3	29.9	89.8		
52	26.9	12.4	37.2		

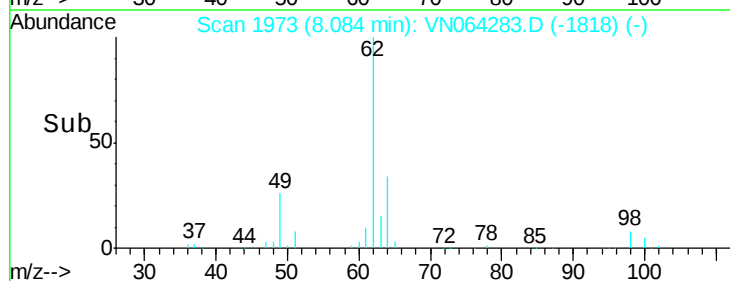
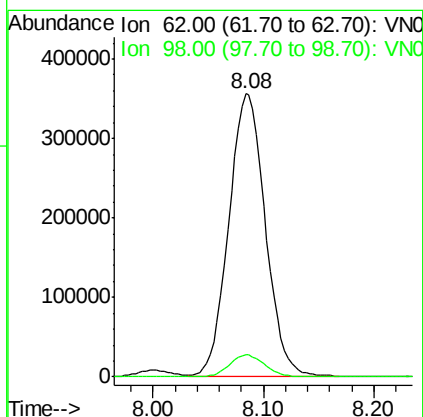
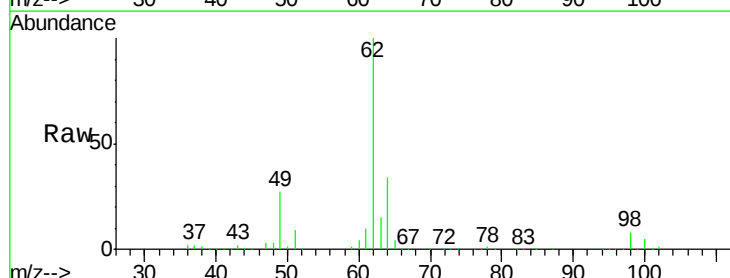
Manual Integrations
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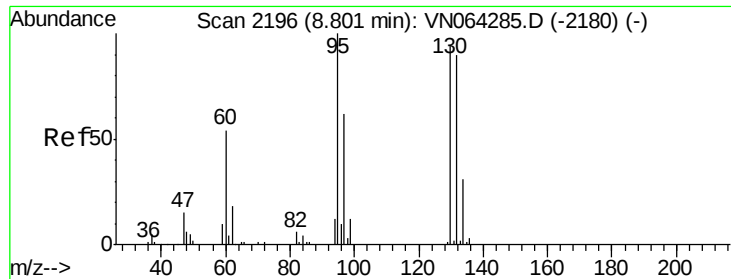
MMDadoda
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#36
1,2-Dichloroethane
Concen: 154.340 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN064283.D
Acq: 23 Oct 2020 11:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		813609		
98	7.7	5.4	8.0		





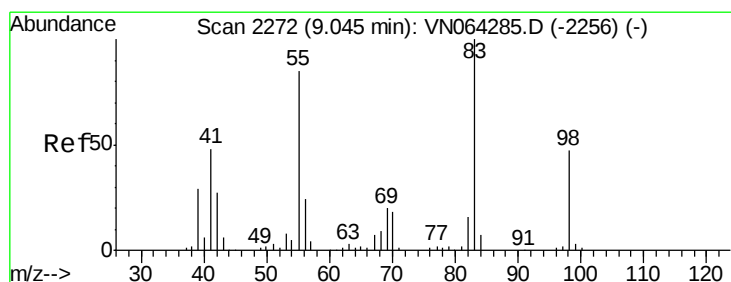
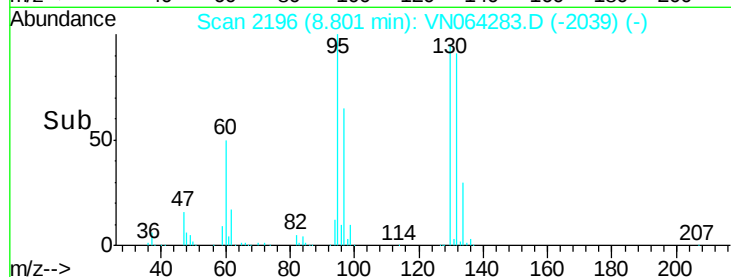
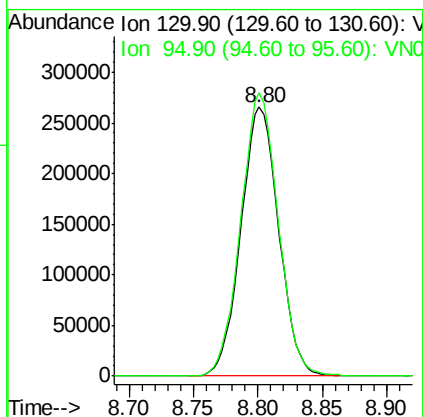
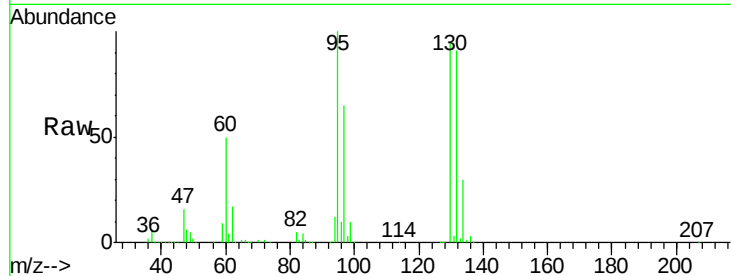
#37
 Trichloroethene
 Concen: 154.347 ug/l
 RT: 8.80 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN064283.D
 Acq: 23 Oct 2020 11:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
130	100		
95	105.1	81.2	121.8

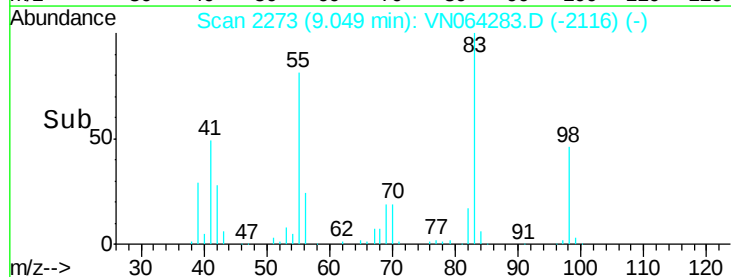
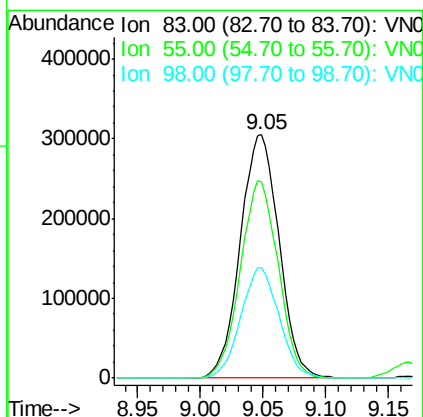
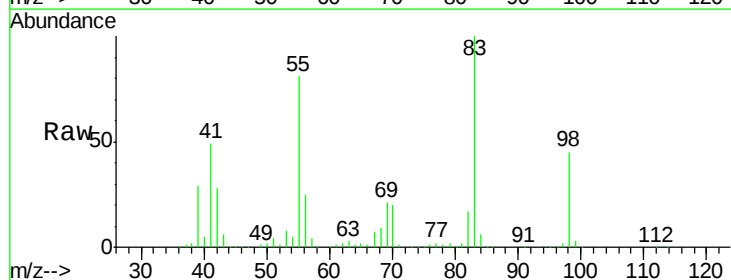
Manual Integrations
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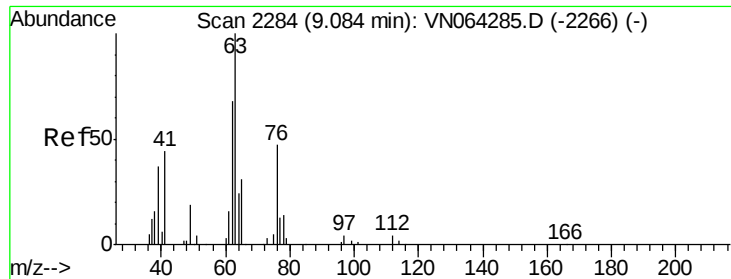
MMDadoda
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#38
 Methylcyclohexane
 Concen: 150.671 ug/l
 RT: 9.05 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN064283.D
 Acq: 23 Oct 2020 11:33

Tgt Ion	Ratio	Lower	Upper
83	100		
55	79.0	40.3	120.9
98	44.8	25.3	75.8





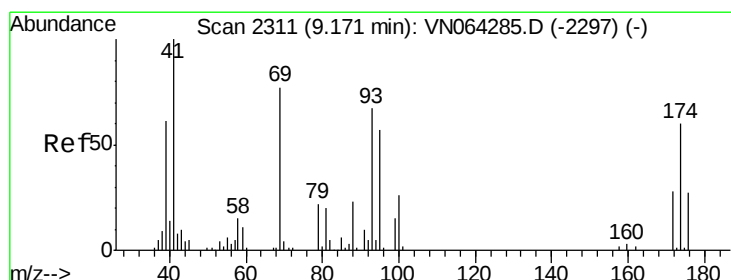
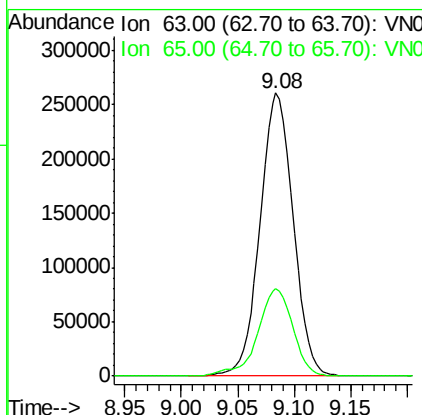
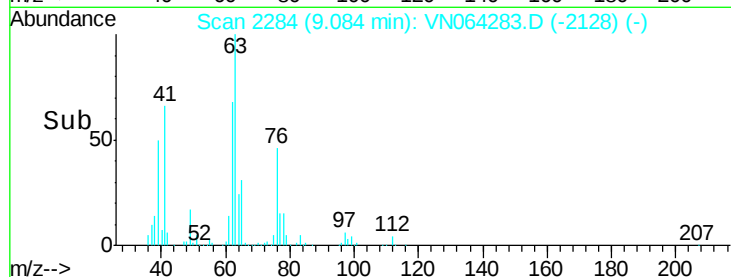
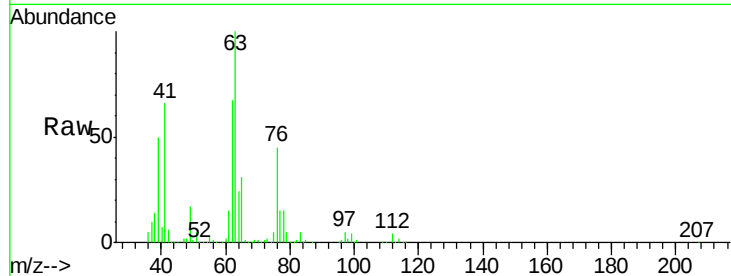
#39
 1,2-Dichloropropane
 Concen: 155.079 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN064283.D
 Acq: 23 Oct 2020 11:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 63 Resp: 532071
 Ion Ratio Lower Upper
 63 100
 65 30.8 26.1 39.1

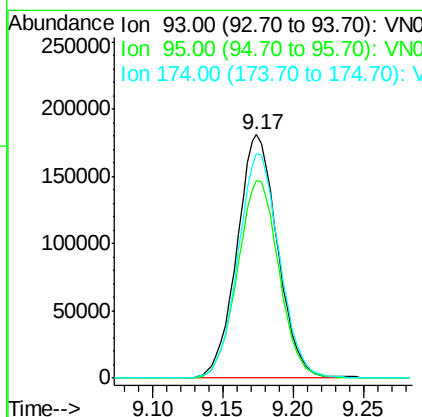
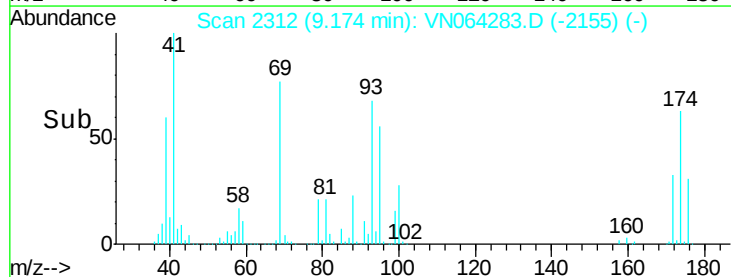
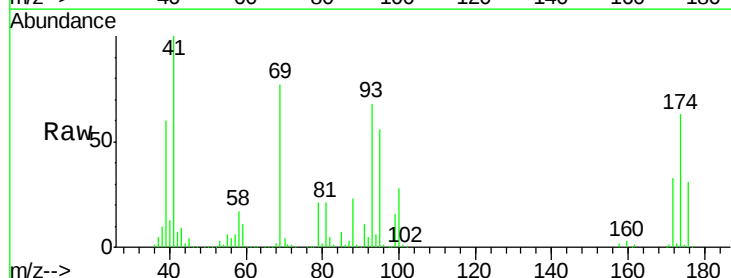
Manual Integrations
 APPROVED

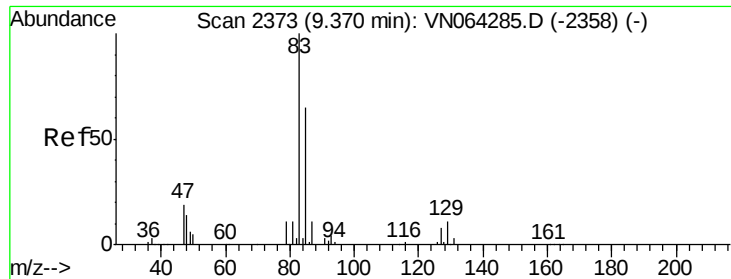
MMDadoda
 10/26/2020 1:38:49 PM



#40
 Dibromomethane
 Concen: 151.429 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN064283.D
 Acq: 23 Oct 2020 11:33

Tgt Ion: 93 Resp: 363778
 Ion Ratio Lower Upper
 93 100
 95 83.1 0.0 156.6
 174 94.0 0.0 168.8





#41

Bromodichloromethane

Concen: 156.908 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN064283.D

Acq: 23 Oct 2020 11:33

Instrument :

MSVOA_N

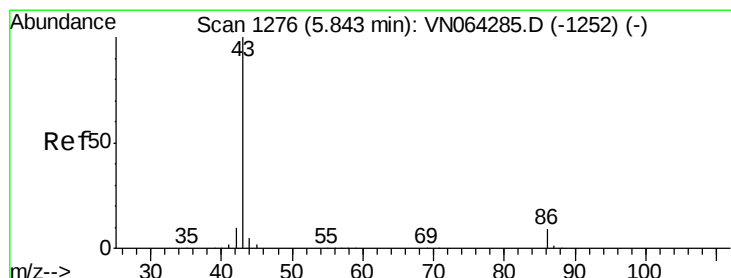
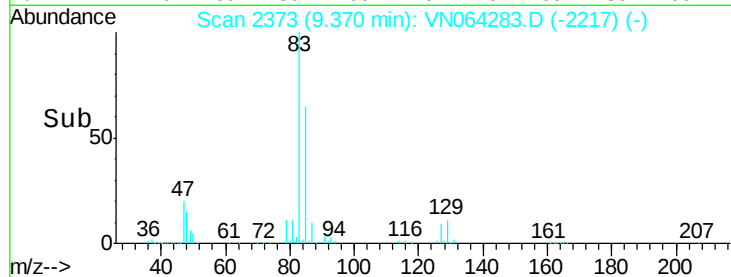
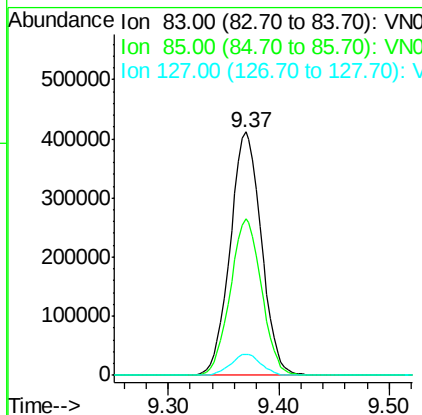
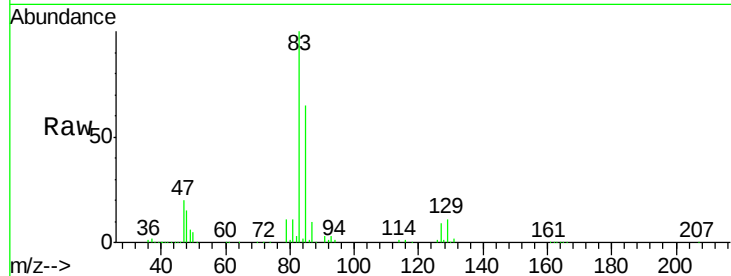
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	807051
Ion	Ratio	Lower	Upper
83	100		
85	64.5	57.8	86.6
127	8.7	7.0	10.4

Manual Integrations
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10/26/2020 1:38:49 PM



#42

Vinyl Acetate

Concen: 786.190 ug/l

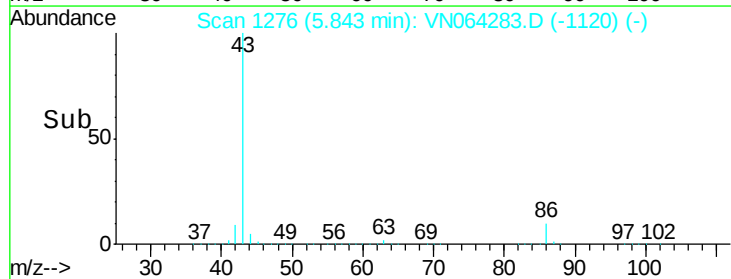
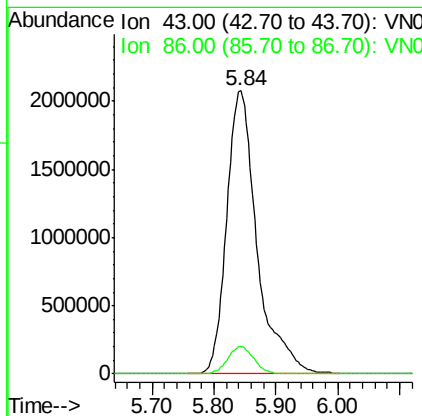
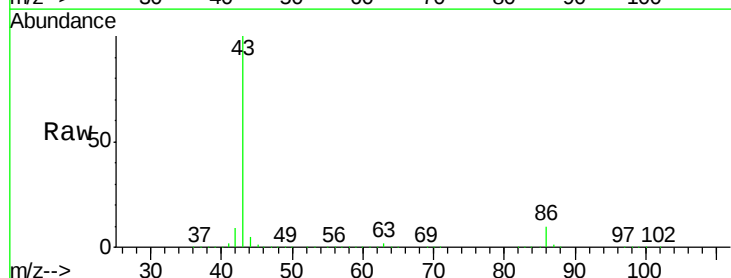
RT: 5.84 min Scan# 1276

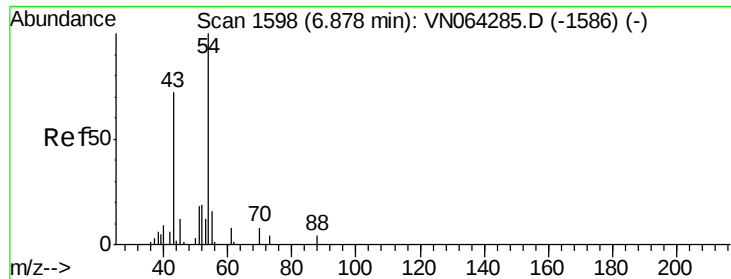
Delta R.T. 0.00 min

Lab File: VN064283.D

Acq: 23 Oct 2020 11:33

Tgt Ion:	43	Resp:	7091979
Ion	Ratio	Lower	Upper
43	100		
86	8.4	6.6	9.8





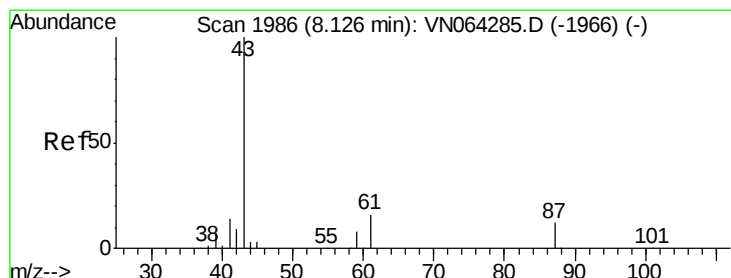
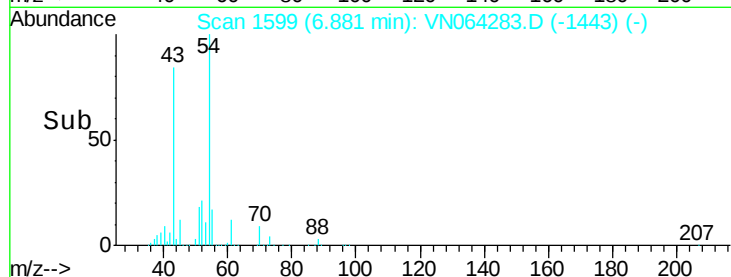
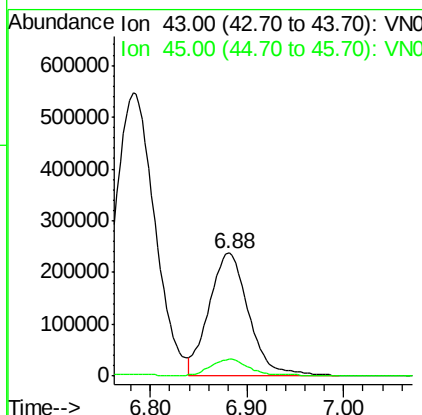
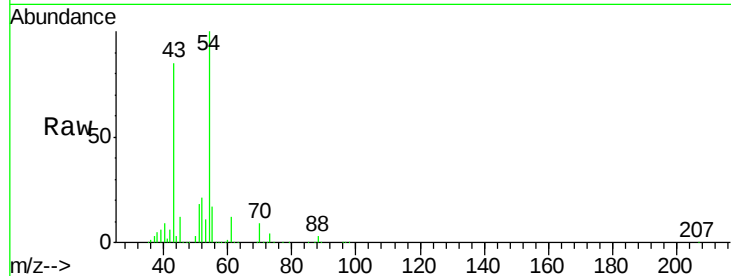
#43
Ethyl Acetate
Concen: 162.181 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN064283.D
Acq: 23 Oct 2020 11:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 668457
Ion Ratio Lower Upper
43 100
45 12.6 8.2 12.4#

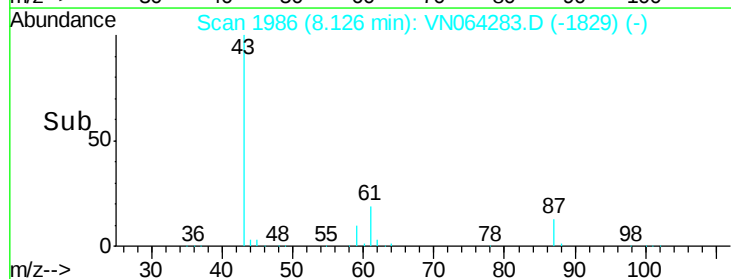
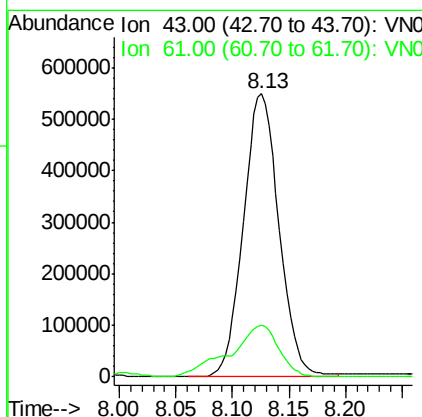
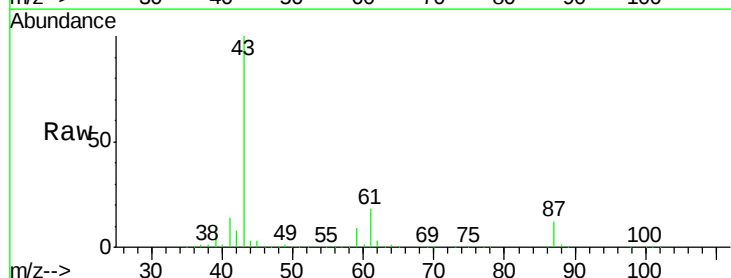
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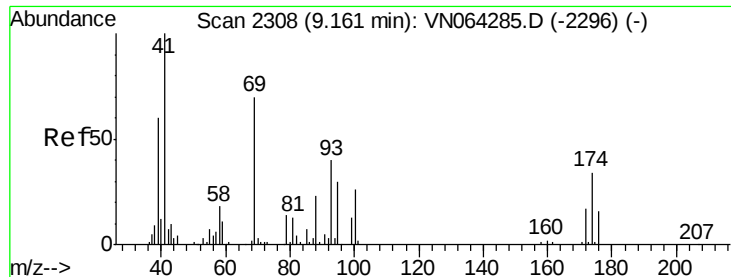
MMDadoda
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#44
Isopropyl Acetate
Concen: 152.261 ug/l
RT: 8.13 min Scan# 1986
Delta R.T. 0.00 min
Lab File: VN064283.D
Acq: 23 Oct 2020 11:33

Tgt Ion: 43 Resp: 1203091
Ion Ratio Lower Upper
43 100
61 25.0 19.9 29.9





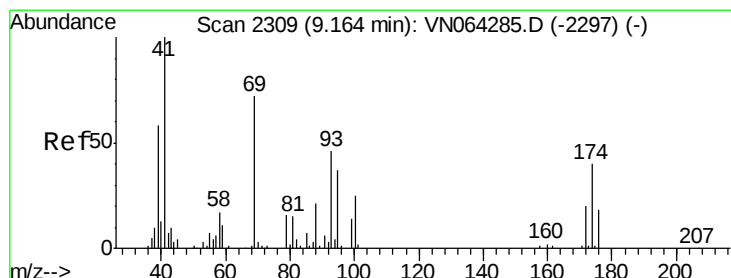
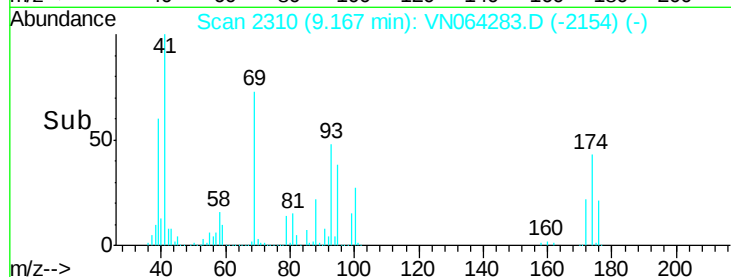
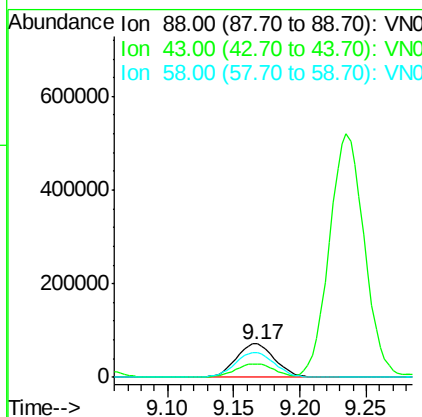
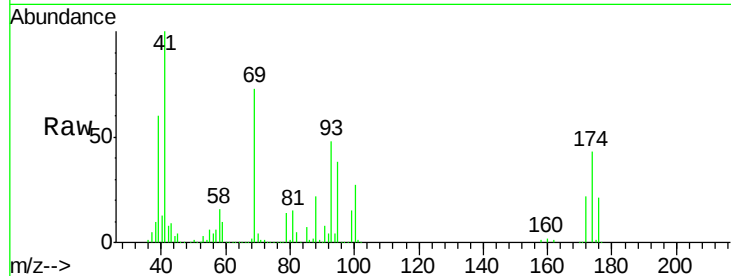
#45
 1,4-Dioxane
 Concen: 3156.834 ug/l
 RT: 9.17 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN064283.D
 Acq: 23 Oct 2020 11:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.0	34.7	52.1
58	74.5	65.8	98.6

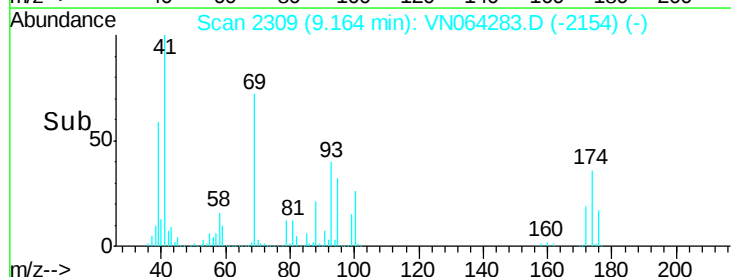
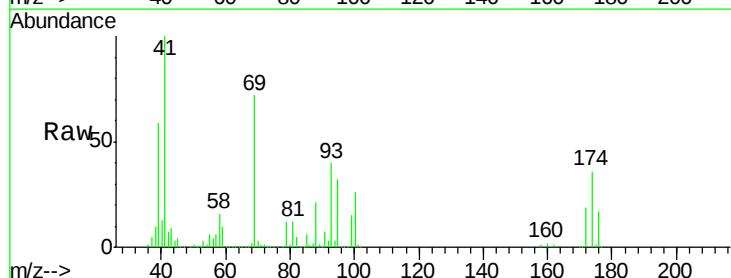
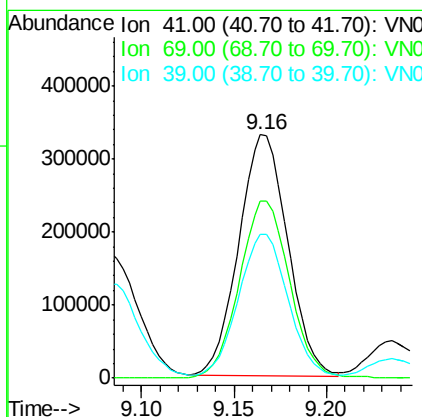
Manual Integrations
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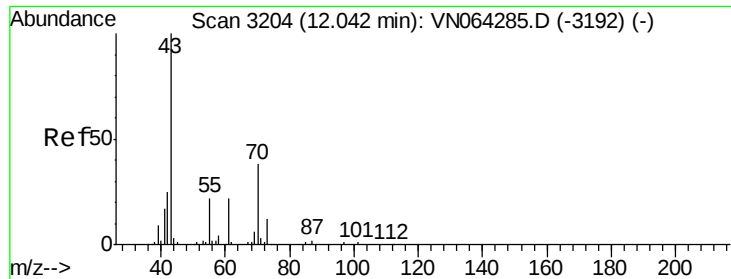
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#46
 Methyl methacrylate
 Concen: 159.143 ug/l
 RT: 9.16 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN064283.D
 Acq: 23 Oct 2020 11:33

Tgt Ion	Ratio	Lower	Upper
41	100		
69	73.1	32.6	97.7
39	58.8	31.1	93.3





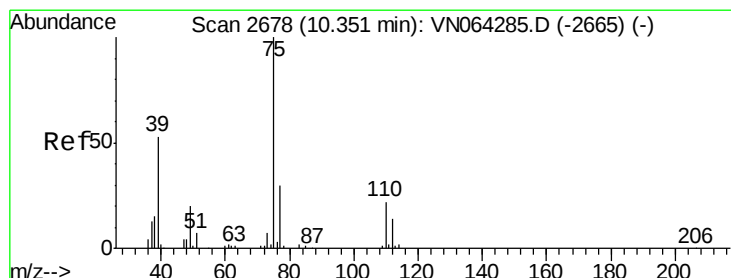
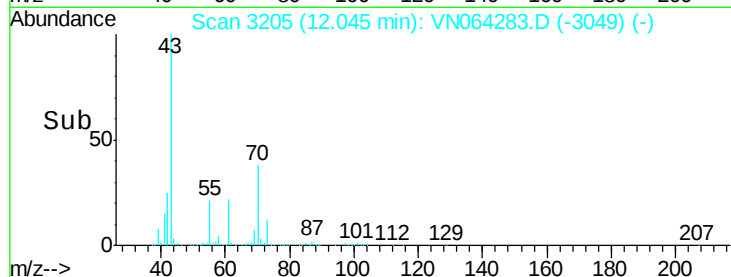
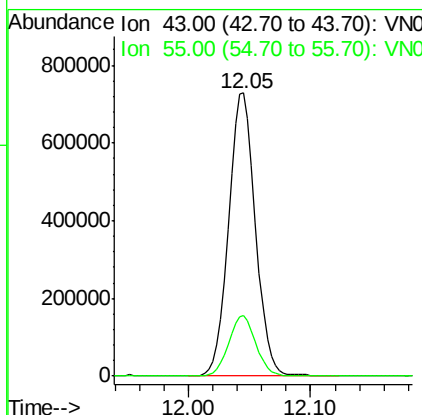
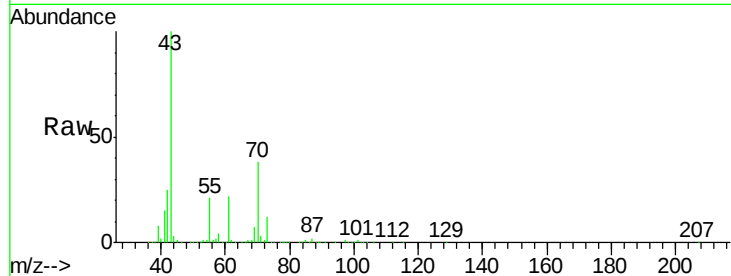
#47
n-amvl Acetate
Concen: 159.178 ug/l
RT: 12.05 min Scan# 3205
Delta R.T. 0.00 min
Lab File: VN064283.D
Acq: 23 Oct 2020 11:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tot Ion: 43 Resp: 1116020
Ion Ratio Lower Upper
43 100
55 21.7 18.2 27.2

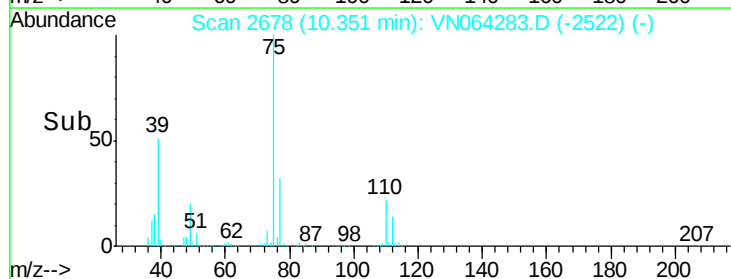
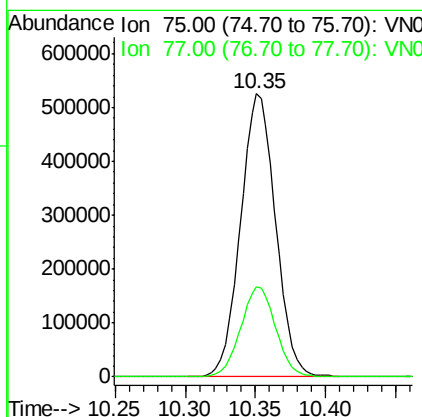
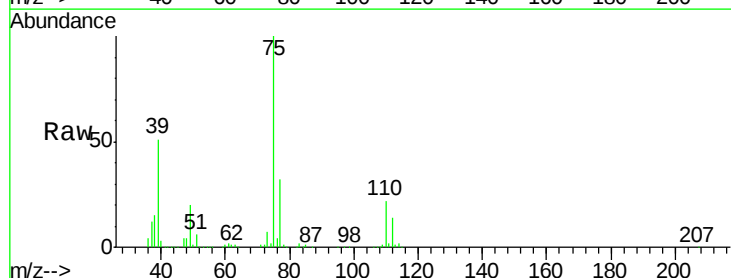
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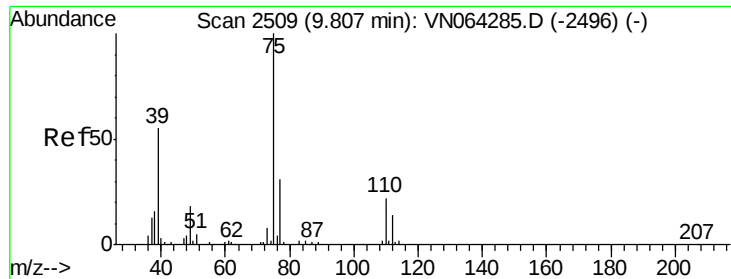
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#48
t-1,3-Dichloropropene
Concen: 157.369 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN064283.D
Acq: 23 Oct 2020 11:33

Tgt Ion: 75 Resp: 915108
Ion Ratio Lower Upper
75 100
77 31.7 25.4 38.0





#49

cis-1,3-Dichloropropene

Concen: 156.149 ug/l

RT: 9.81 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN064283.D

Acq: 23 Oct 2020 11:33

Instrument :

MSVOA_N

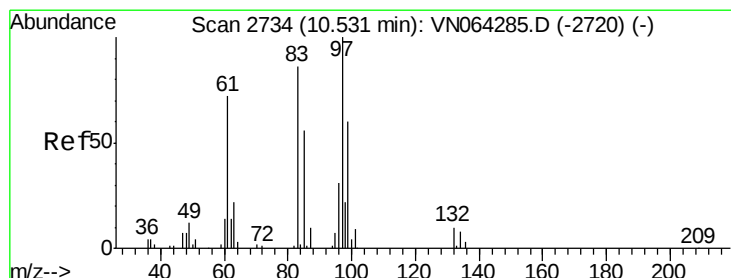
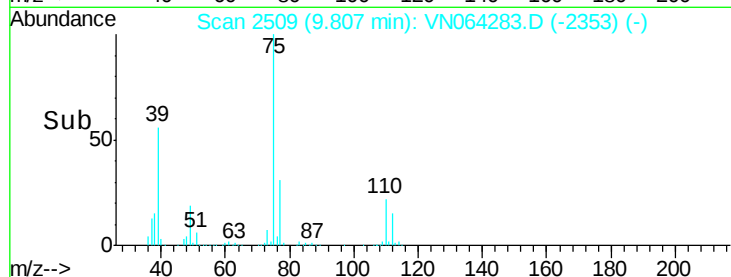
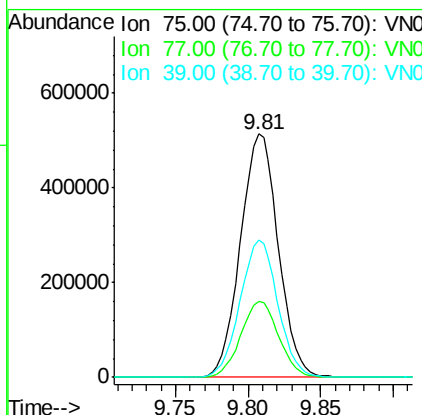
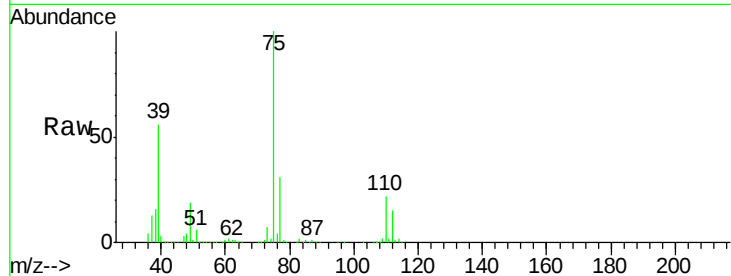
ClientSampleId :

VSTDIC150

Tot Ion:	75	Resp:	934881
Ion	Ratio	Lower	Upper
75	100		
77	31.2	23.7	35.5
39	56.2	46.9	70.3

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#50

1,1,2-Trichloroethane

Concen: 154.620 ug/l

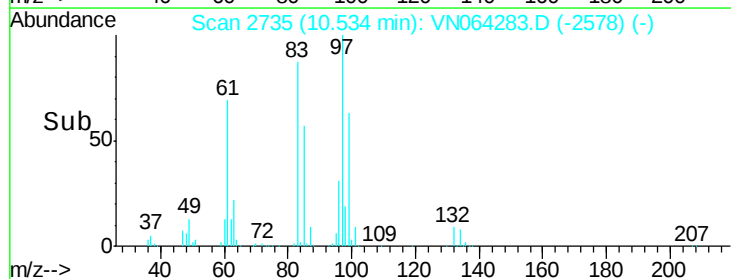
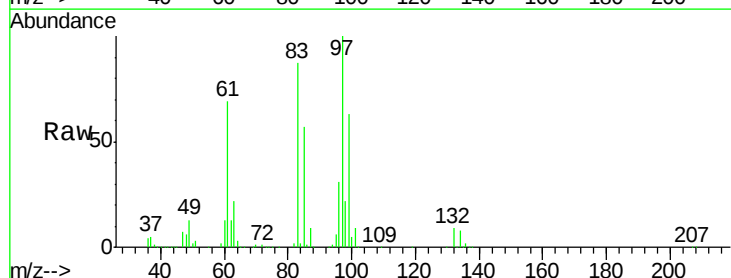
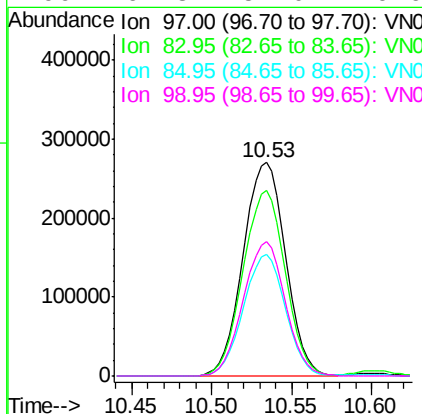
RT: 10.53 min Scan# 2735

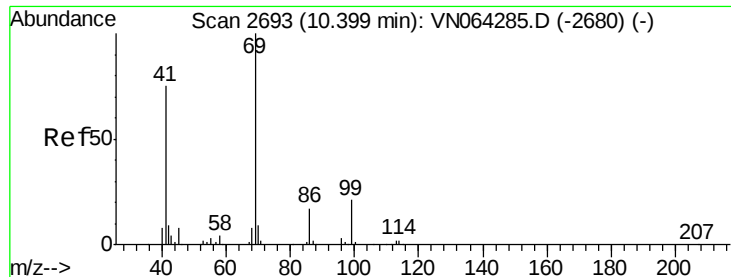
Delta R.T. 0.00 min

Lab File: VN064283.D

Acq: 23 Oct 2020 11:33

Tgt Ion:	97	Resp:	491991
Ion	Ratio	Lower	Upper
97	100		
83	86.8	68.9	103.3
85	56.8	37.8	56.8#
99	62.8	51.0	76.6





#51

Ethyl methacrylate

Concen: 157.541 ug/l

RT: 10.40 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN064283.D

Acq: 23 Oct 2020 11:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 69 Resp: 782630

Ion Ratio Lower Upper

69 100

41 74.2 43.6 130.9

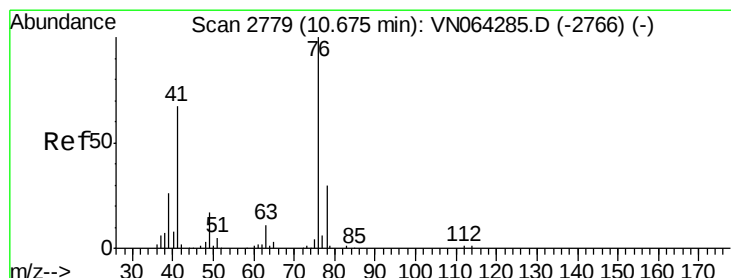
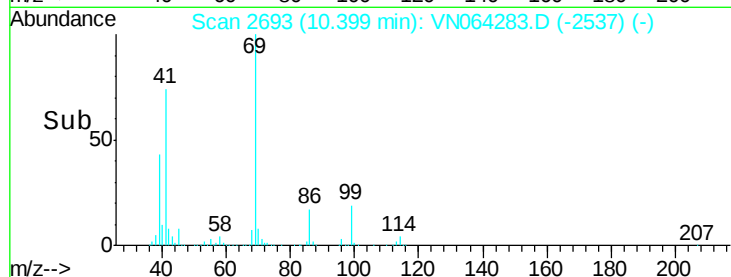
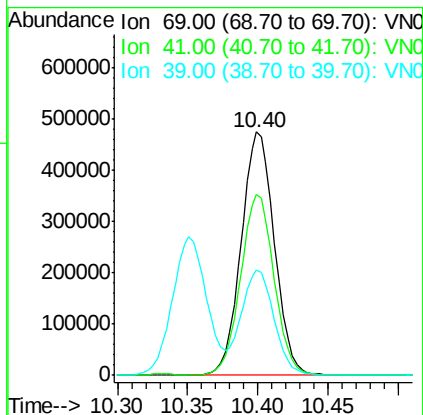
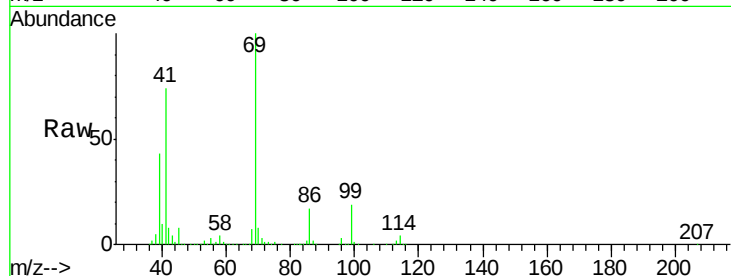
39 43.0 25.8 77.3

Manual Integrations

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#52

1,3-Dichloropropane

Concen: 156.583 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. 0.00 min

Lab File: VN064283.D

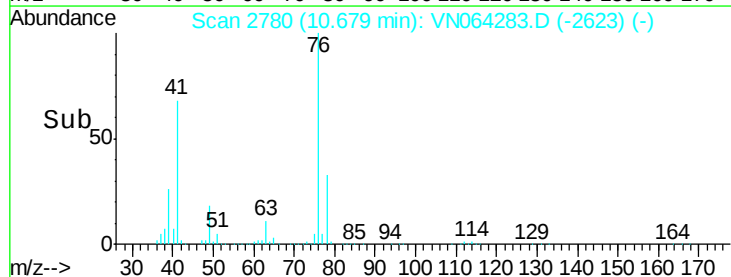
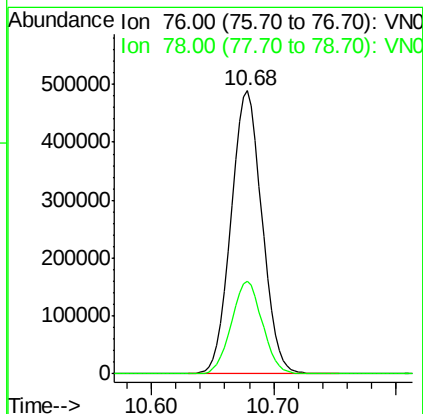
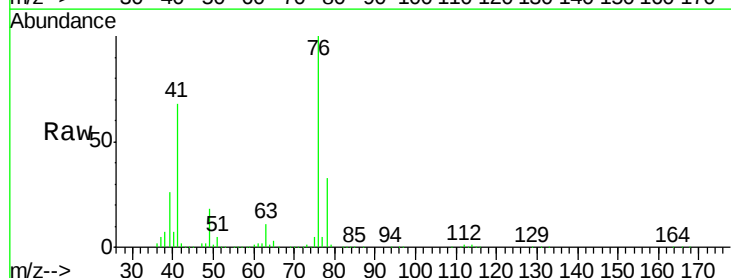
Acq: 23 Oct 2020 11:33

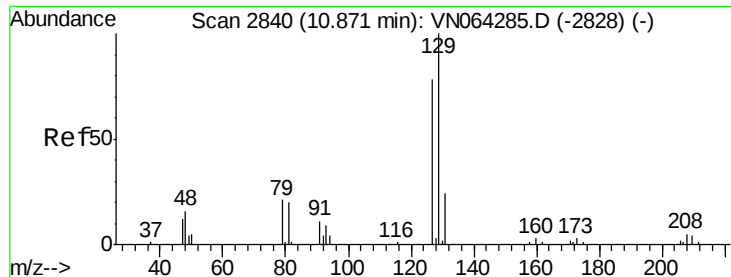
Tgt Ion: 76 Resp: 861390

Ion Ratio Lower Upper

76 100

78 32.7 0.0 64.6





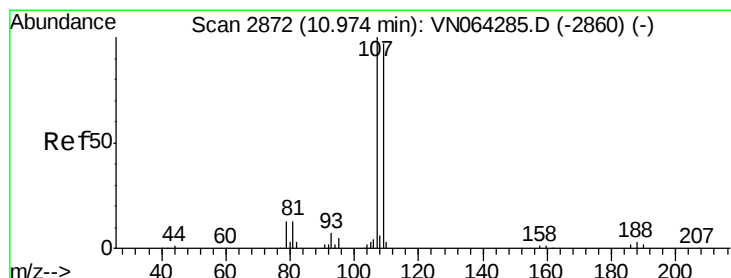
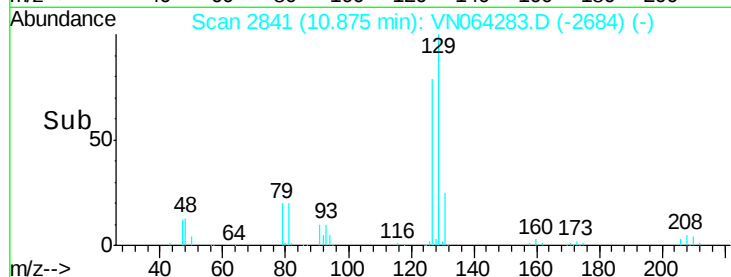
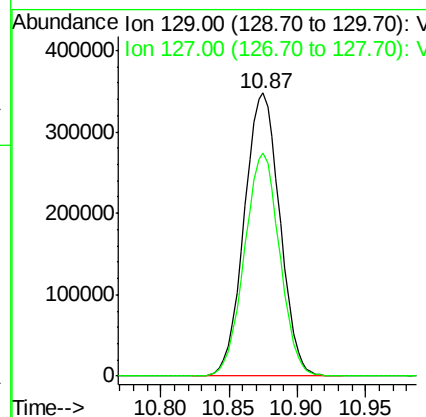
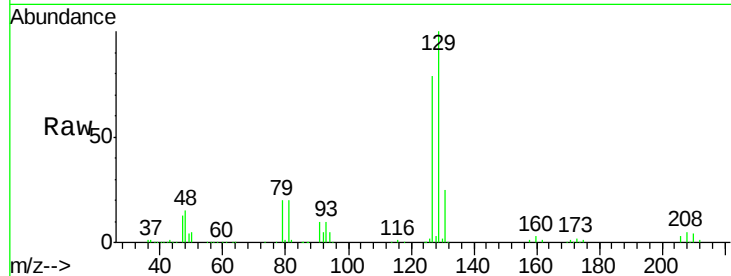
#53
 Dibromochloromethane
 Concen: 159.525 ug/l
 RT: 10.87 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VN064283.D
 Acq: 23 Oct 2020 11:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
129	100		
127	78.0	42.4	127.2

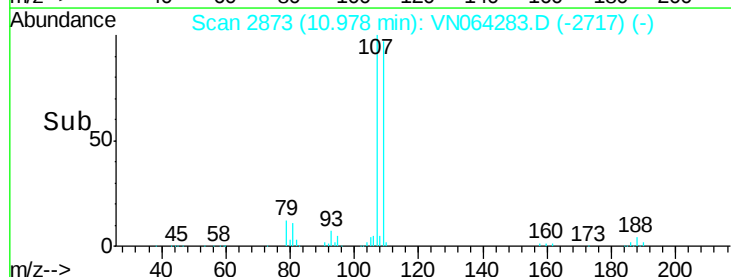
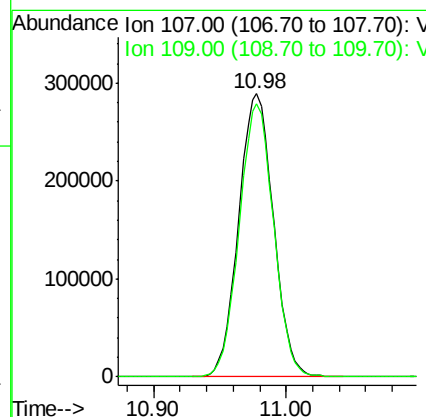
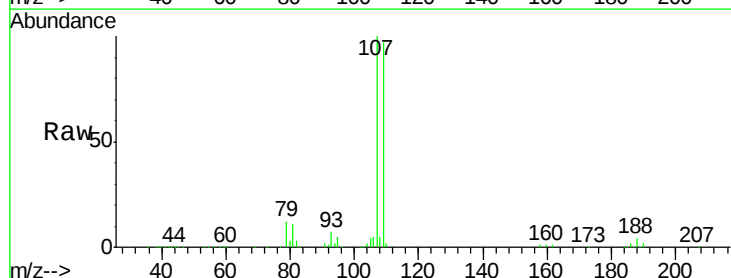
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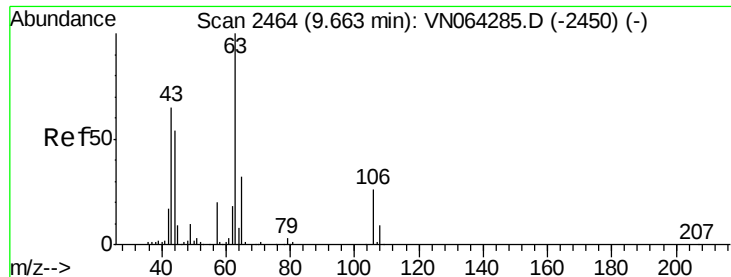
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#54
 1,2-Dibromoethane
 Concen: 156.408 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN064283.D
 Acq: 23 Oct 2020 11:33

Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.3	75.7	113.5





#55

2-Chloroethyl vinyl ether

Concen: 879.233 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN064283.D

Acq: 23 Oct 2020 11:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC150

Tot Ion: 63 Resp: 1992760

Ion Ratio Lower Upper

63 100

65 31.8 25.2 37.8

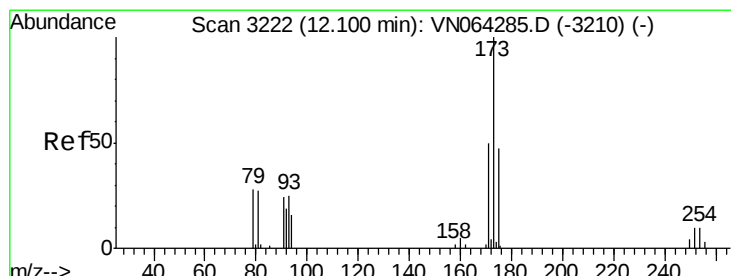
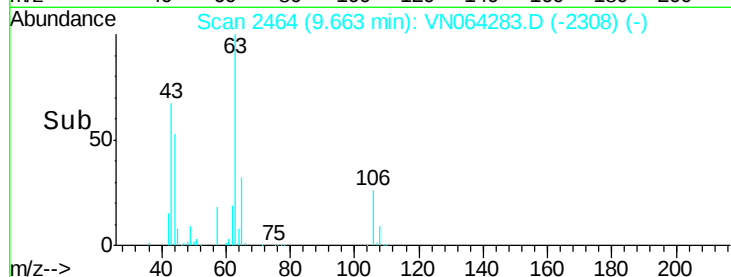
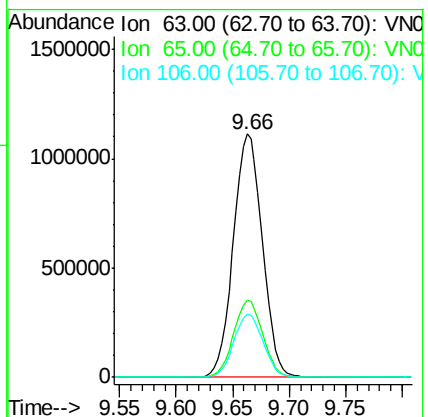
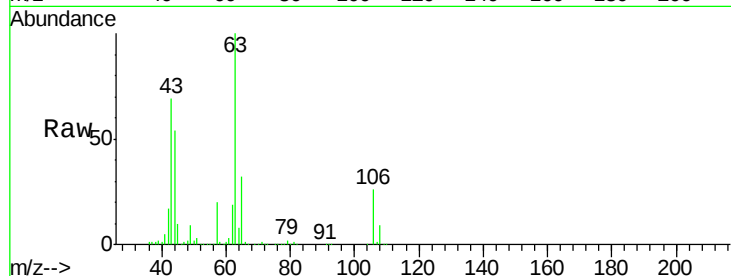
106 26.4 20.6 31.0

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#56

Bromoform

Concen: 163.034 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN064283.D

Acq: 23 Oct 2020 11:33

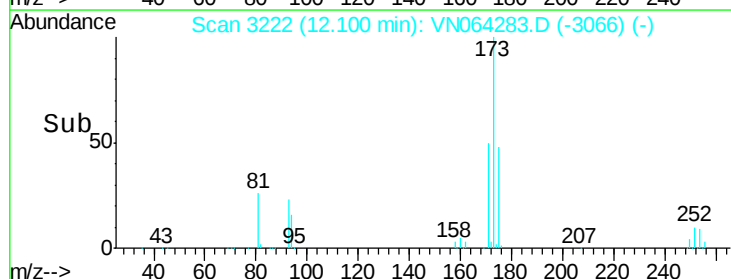
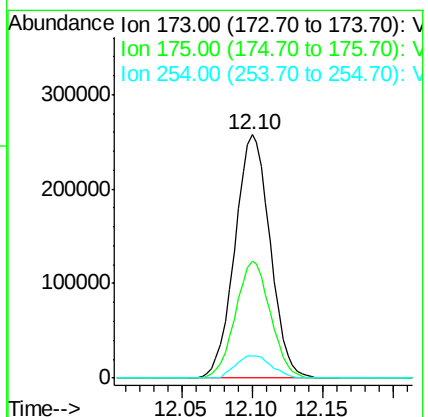
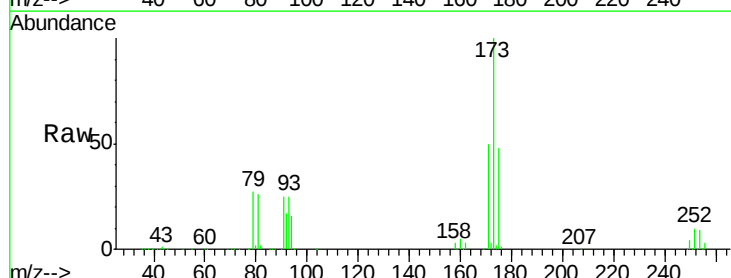
Tgt Ion: 173 Resp: 451048

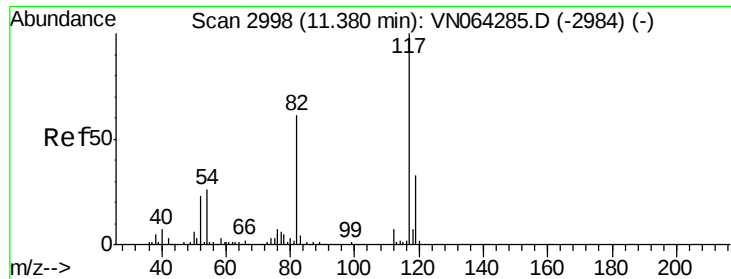
Ion Ratio Lower Upper

173 100

175 47.8 39.5 59.3

254 9.4 5.0 7.4#





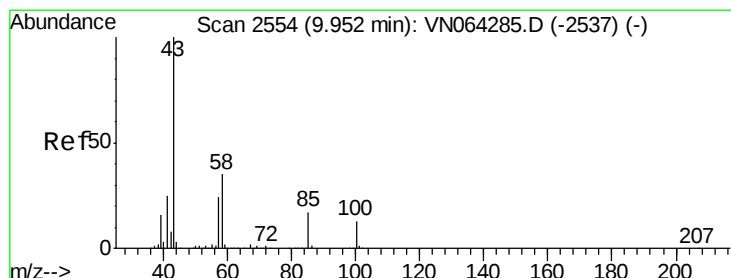
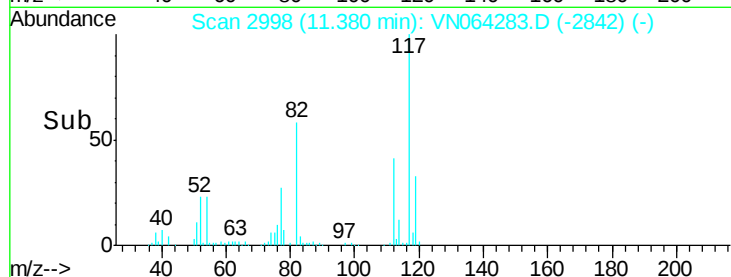
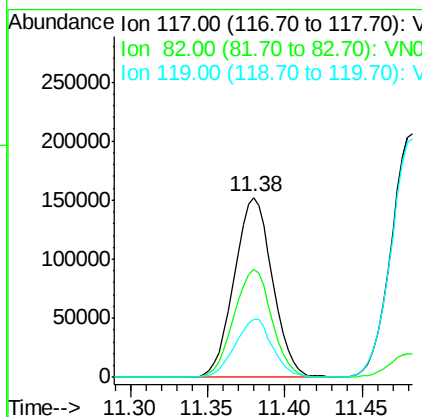
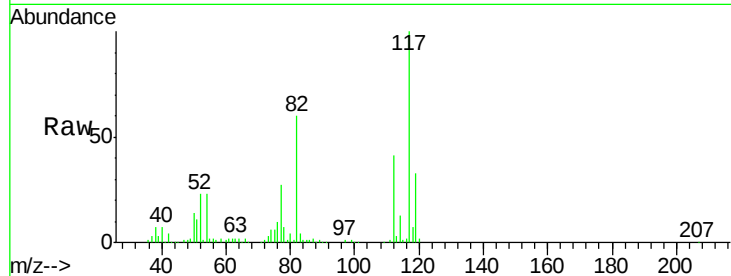
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064283.D
Acq: 23 Oct 2020 11:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
117	100	261092		
82	59.6	47.0	70.6	
119	31.7	24.6	37.0	

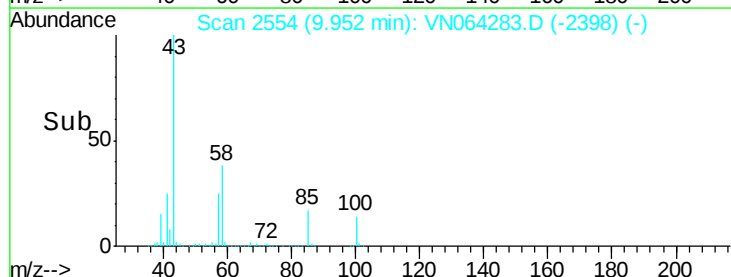
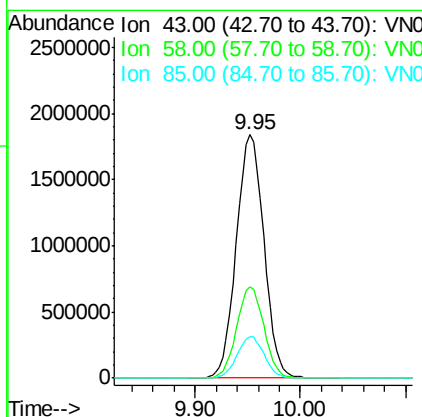
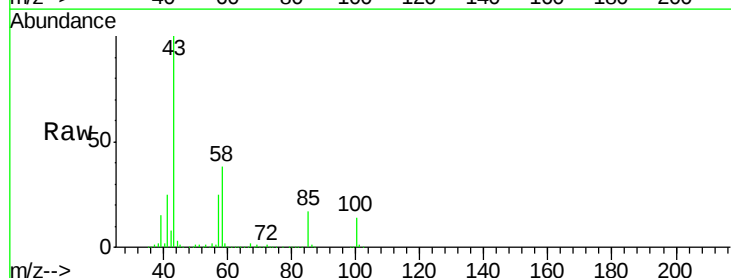
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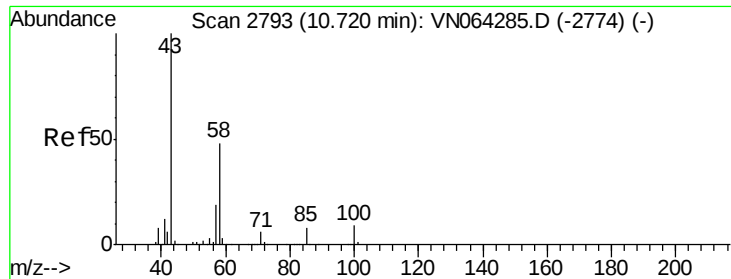
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 777.357 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN064283.D
Acq: 23 Oct 2020 11:33

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	3348108		
58	37.0	28.6	43.0	
85	16.9	13.7	20.5	





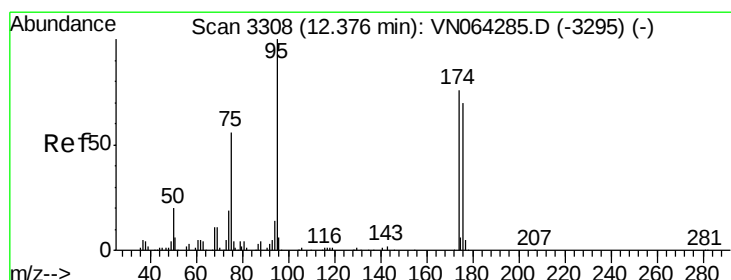
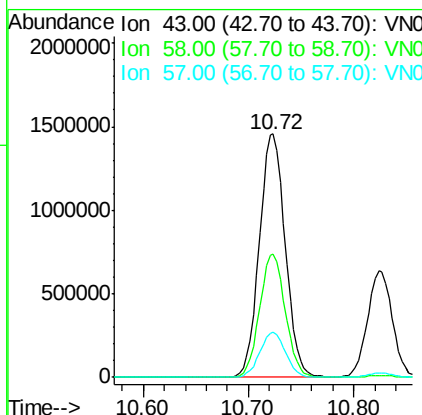
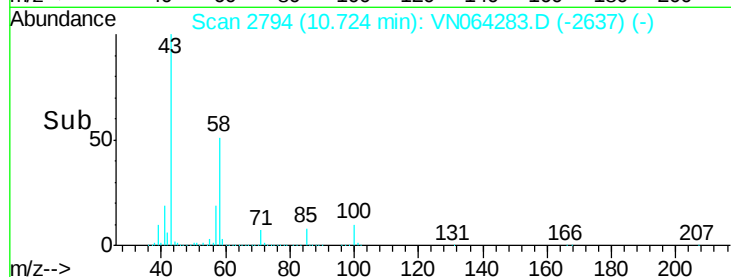
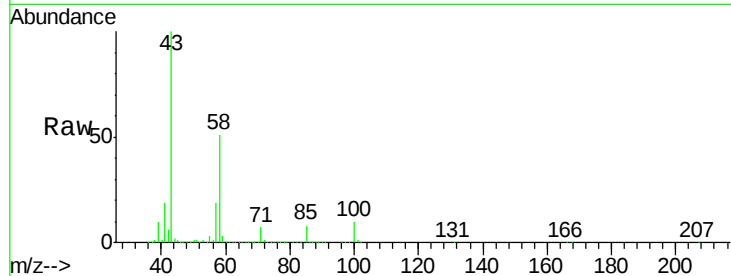
#59
2-Hexanone
Concen: 780.207 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064283.D
Acq: 23 Oct 2020 11:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.4	40.5	60.7
57	18.5	15.4	23.0

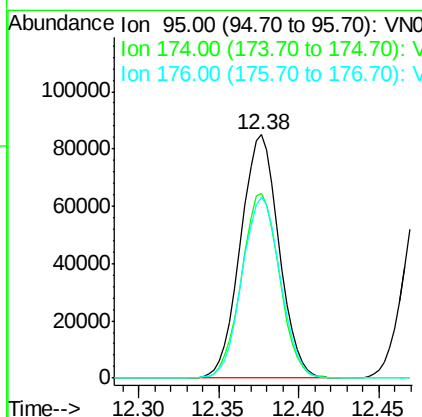
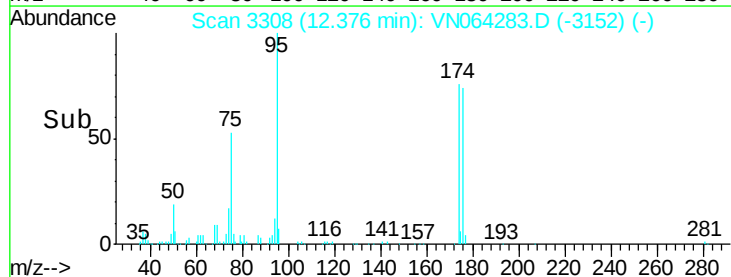
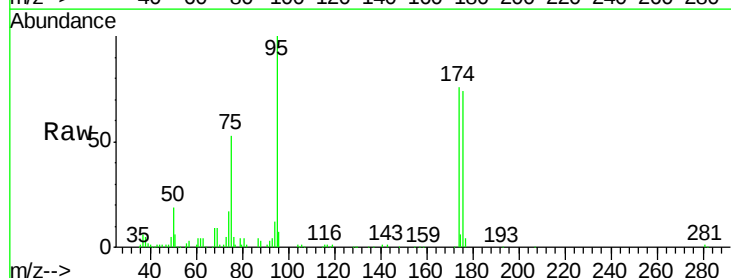
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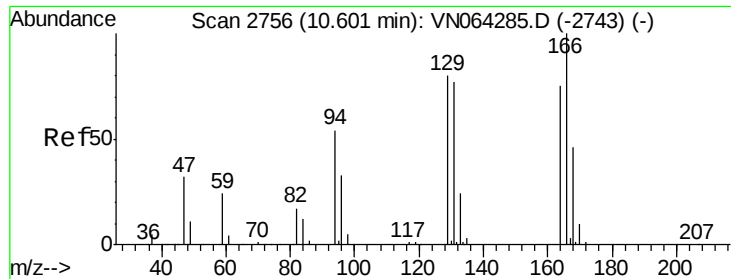
MMDadoda
10/26/2020 1:38:49 PM



#60
4-Bromofluorobenzene
Concen: 30.025 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064283.D
Acq: 23 Oct 2020 11:33

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.8	57.9	86.9
176	74.0	56.7	85.1





#61

Tetrachloroethene

Concen: 152.325 ug/l

RT: 10.60 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VN064283.D

Acq: 23 Oct 2020 11:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:164 Resp: 521310

Ion Ratio Lower Upper

164 100

166 126.1 107.4 161.0

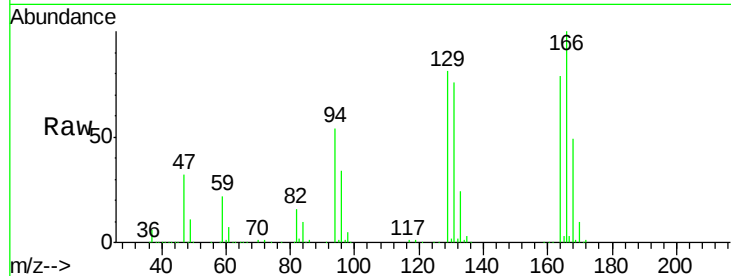
129 101.8 84.3 126.5

131 95.3 81.1 121.7

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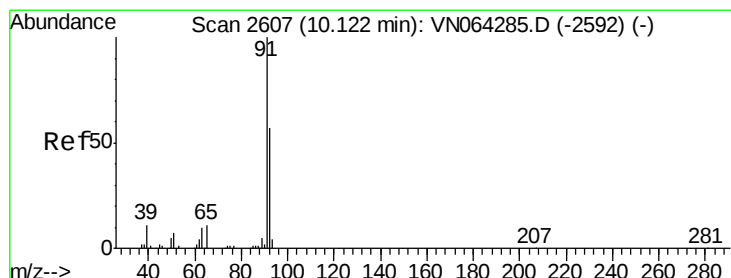
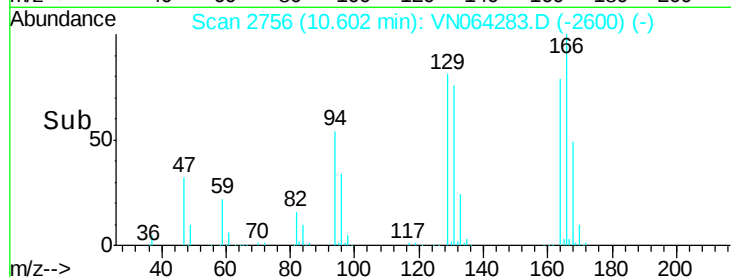
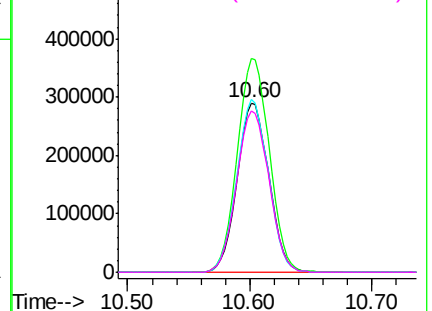


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 154.131 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN064283.D

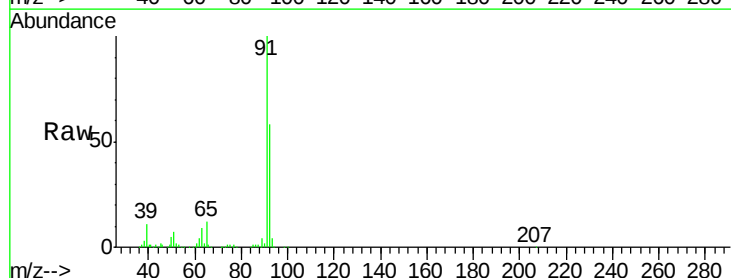
Acq: 23 Oct 2020 11:33

Tgt Ion: 91 Resp: 2223573

Ion Ratio Lower Upper

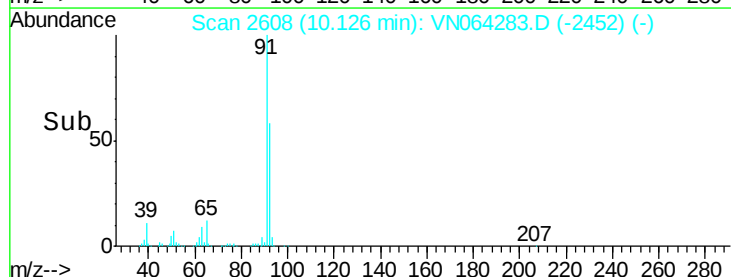
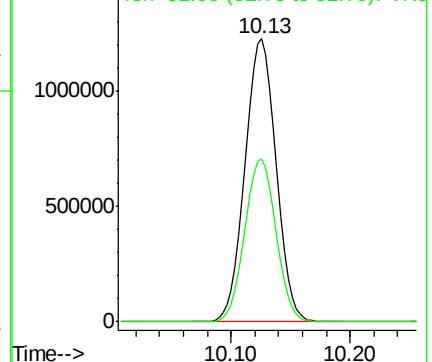
91 100

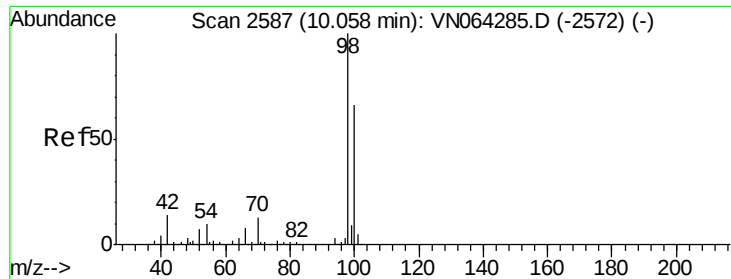
92 57.7 46.4 69.6



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 92.00 (91.70 to 92.70): VNO





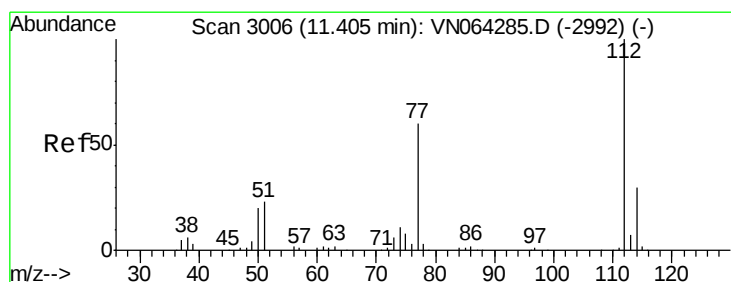
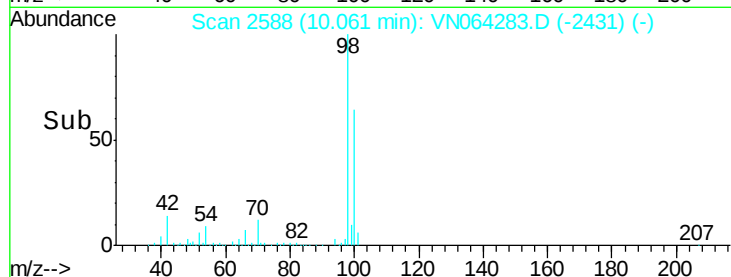
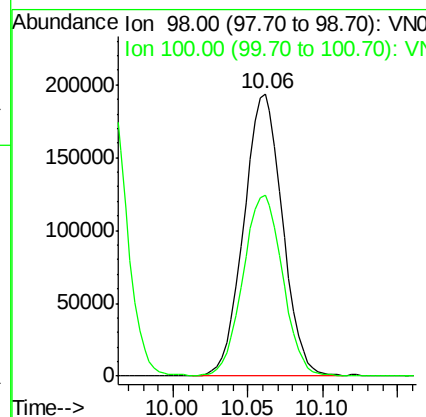
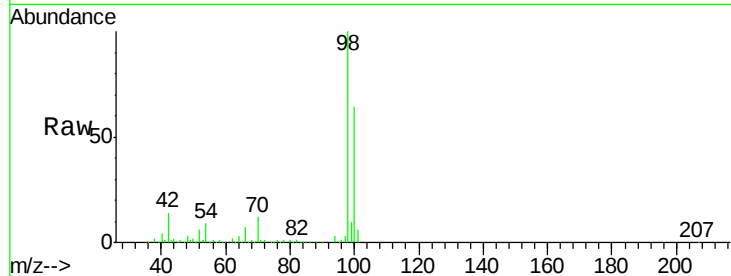
#63
Toluene-d8
Concen: 29.586 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN064283.D
Acq: 23 Oct 2020 11:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tot Ion: 98 Resp: 348828
Ion Ratio Lower Upper
98 100
100 65.4 51.7 77.5

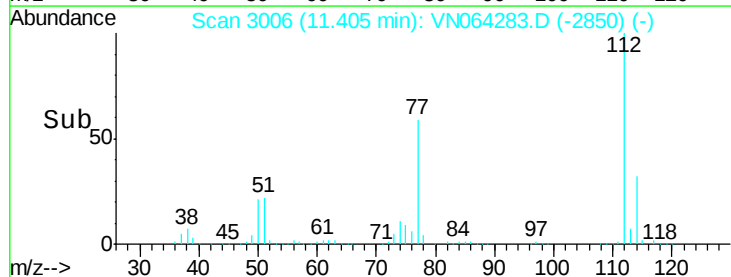
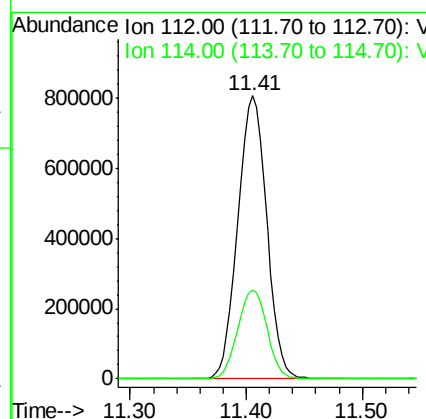
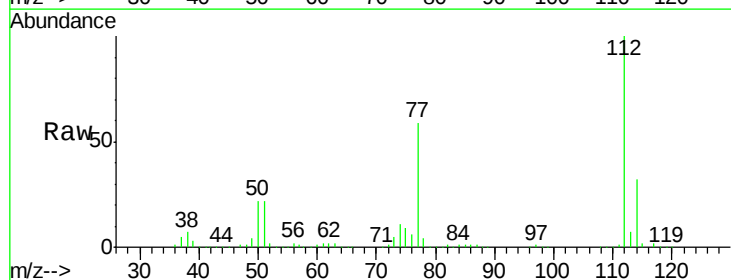
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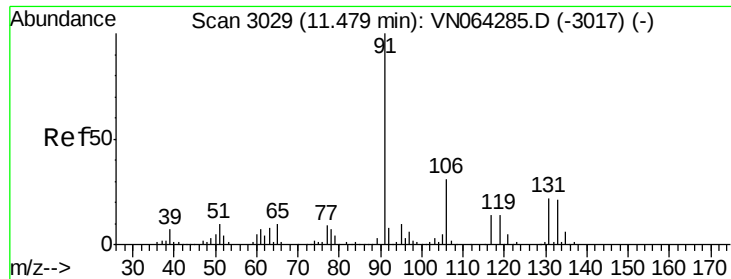
MMDadoda
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#64
Chlorobenzene
Concen: 154.865 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN064283.D
Acq: 23 Oct 2020 11:33

Tgt Ion: 112 Resp: 1388578
Ion Ratio Lower Upper
112 100
114 31.5 26.5 39.7





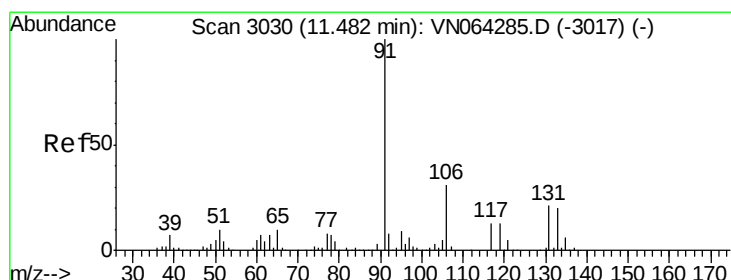
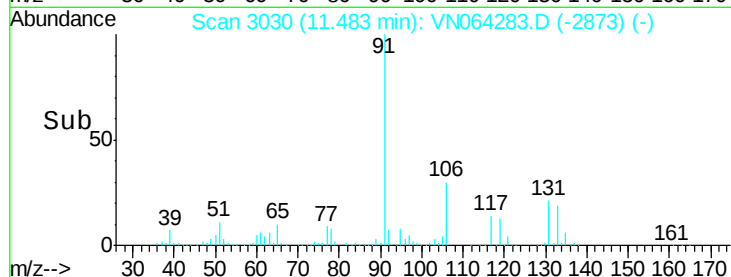
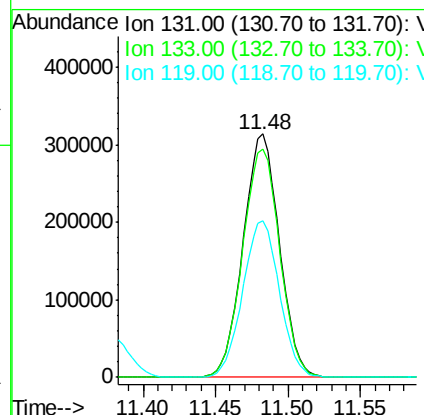
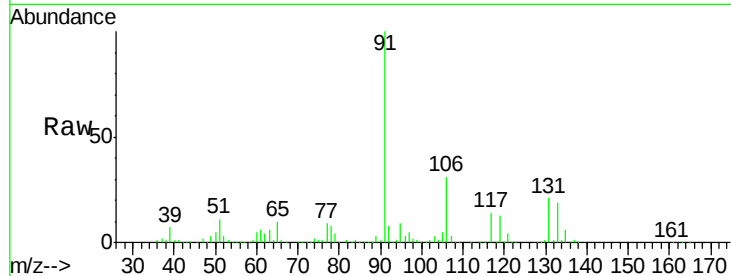
#65
 1,1,1,2-Tetrachloroethane
 Concen: 154.704 ug/l
 RT: 11.48 min Scan# 3030
 Delta R.T. 0.00 min
 Lab File: VN064283.D
 Acq: 23 Oct 2020 11:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
131	100	546733		
133	96.1	0.0	193.4	
119	65.1	0.0	125.2	

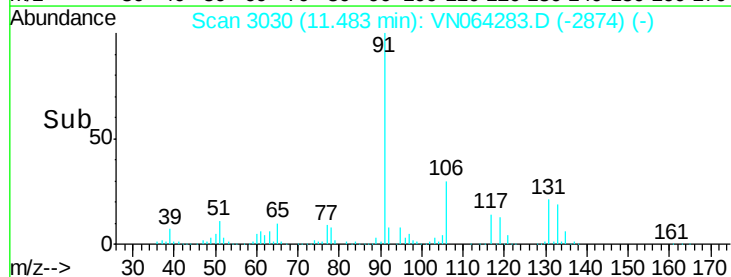
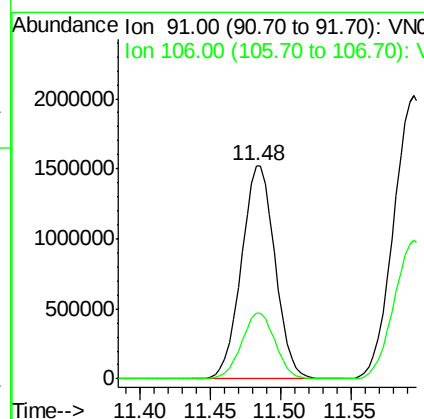
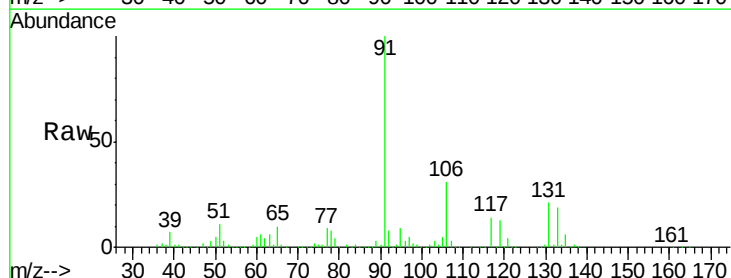
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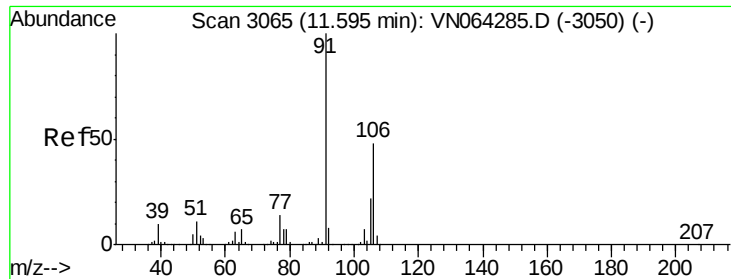
MMDadoda
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#66
 Ethyl Benzene
 Concen: 153.947 ug/l
 RT: 11.48 min Scan# 3030
 Delta R.T. 0.00 min
 Lab File: VN064283.D
 Acq: 23 Oct 2020 11:33

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	2545531		
106	31.0	23.8	35.6	





#67

m/p-Xylenes

Concen: 309.156 ug/l

RT: 11.60 min Scan# 3065

Delta R.T. 0.00 min

Lab File: VN064283.D

Acq: 23 Oct 2020 11:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:106 Resp: 1904396

Ion Ratio Lower Upper

106 100

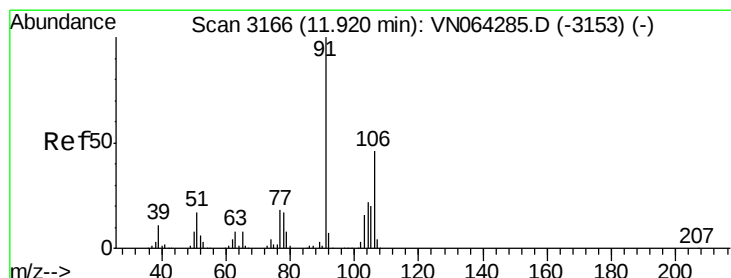
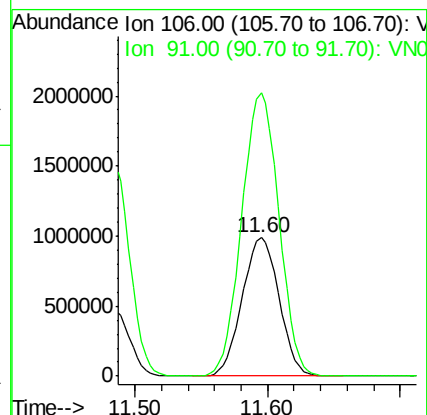
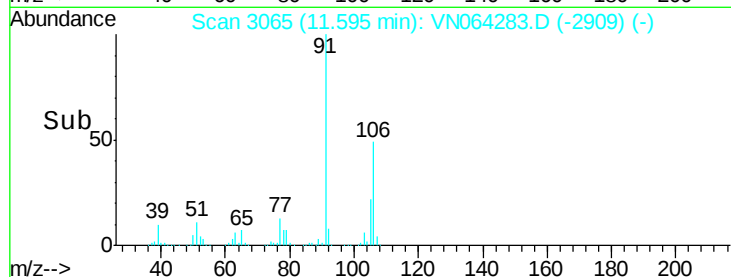
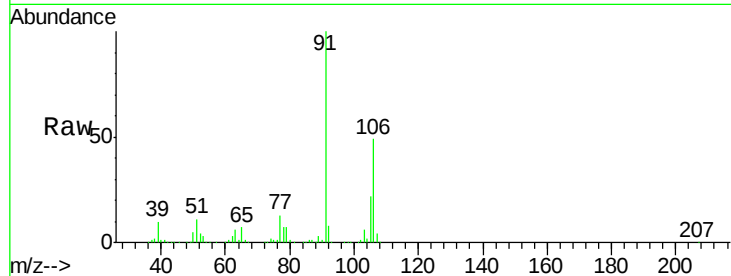
91 206.5 170.6 255.8

Manual Integrations

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#68

o-Xylene

Concen: 154.466 ug/l

RT: 11.92 min Scan# 3167

Delta R.T. 0.00 min

Lab File: VN064283.D

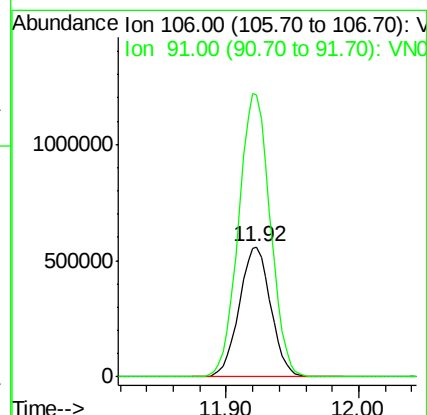
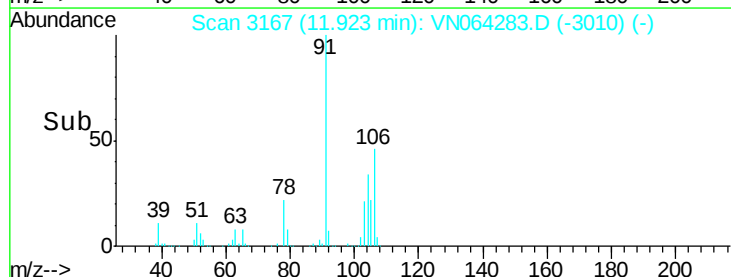
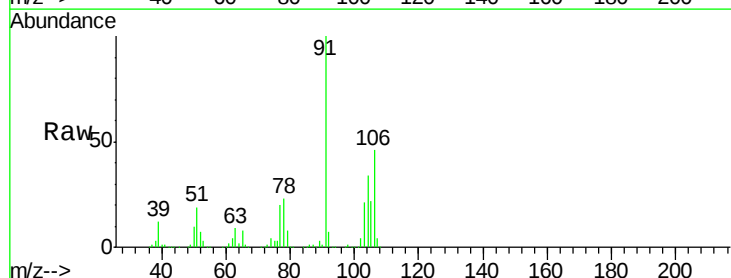
Acq: 23 Oct 2020 11:33

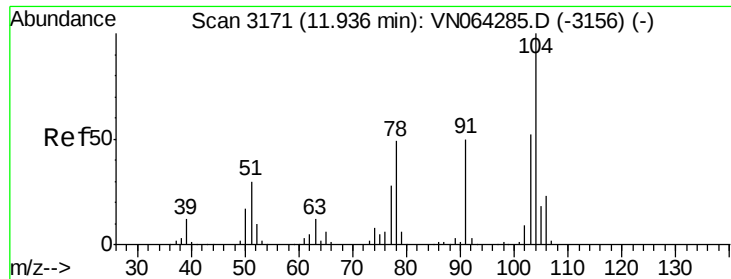
Tgt Ion:106 Resp: 922951

Ion Ratio Lower Upper

106 100

91 219.0 115.3 346.0





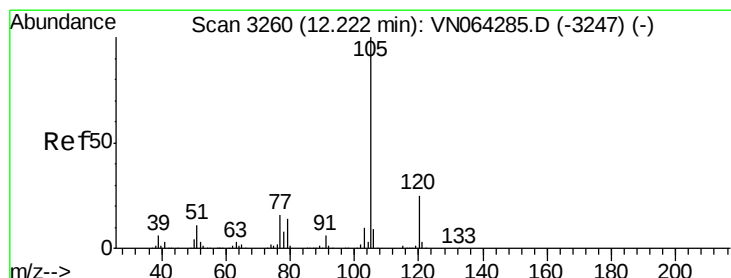
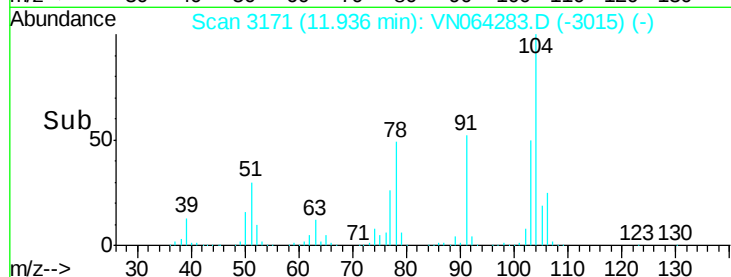
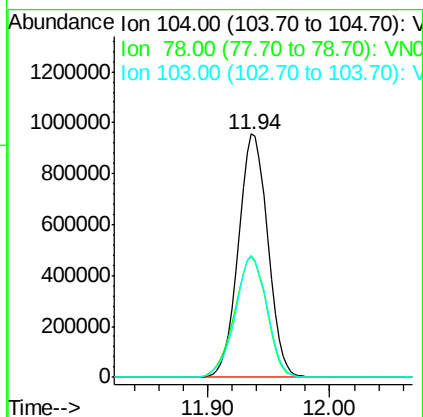
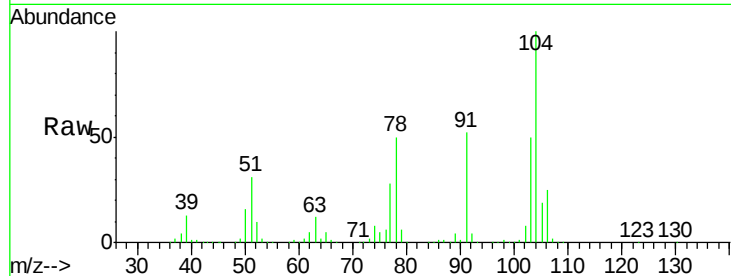
#69
Stvrene
Concen: 157.877 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VN064283.D
Acq: 23 Oct 2020 11:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:104 Resp: 1590789
Ion Ratio Lower Upper
104 100
78 54.4 45.4 68.2
103 54.1 44.6 67.0

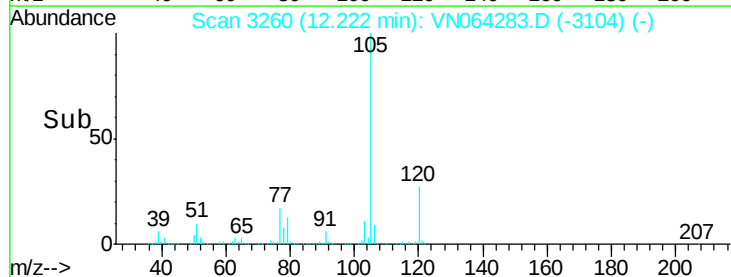
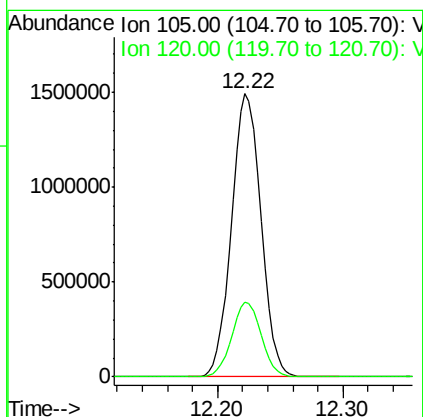
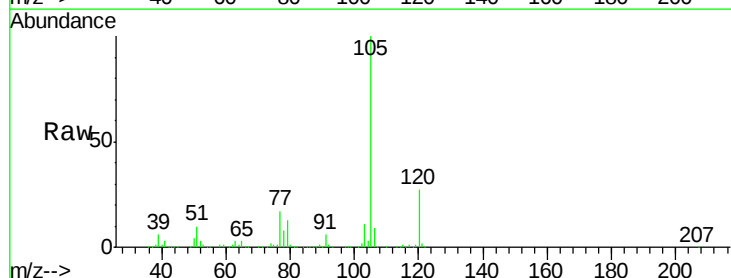
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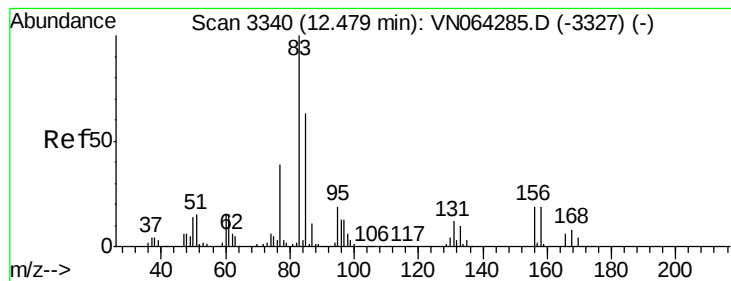
MMDadoda
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#70
Isopropylbenzene
Concen: 154.895 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. 0.00 min
Lab File: VN064283.D
Acq: 23 Oct 2020 11:33

Tgt Ion:105 Resp: 2439400
Ion Ratio Lower Upper
105 100
120 26.2 18.6 34.5





#71

1,1,2,2-Tetrachloroethane

Concen: 152.436 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064283.D

Acq: 23 Oct 2020 11:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 659428

Ion Ratio Lower Upper

83 100

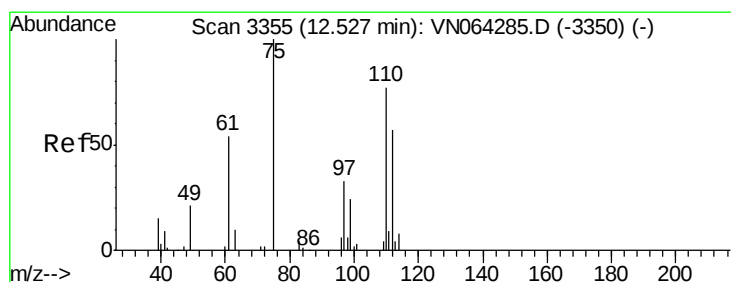
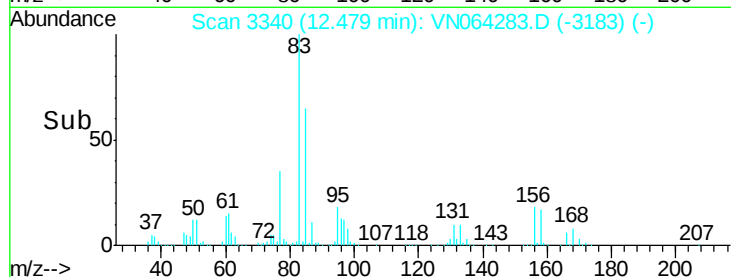
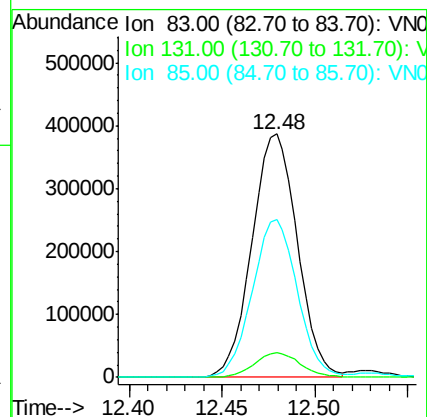
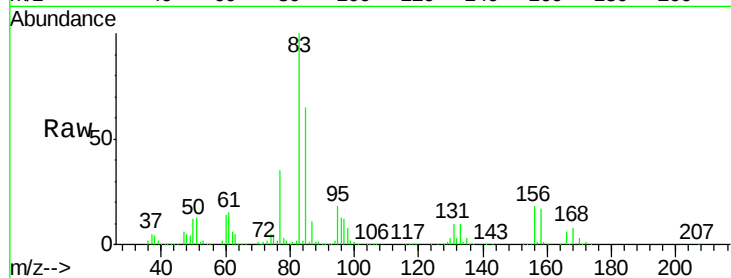
131 10.5 5.7 17.0

85 64.2 33.3 99.8

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#72

1,2,3-Trichloropropane

Concen: 145.639 ug/l m

RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN064283.D

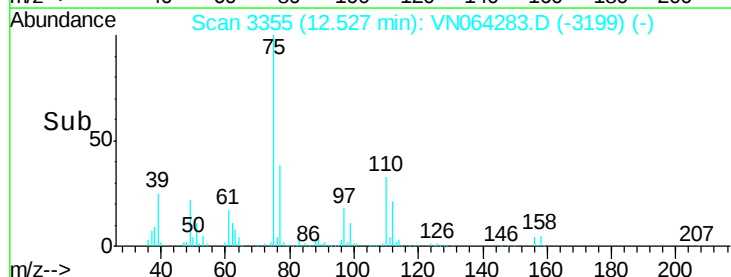
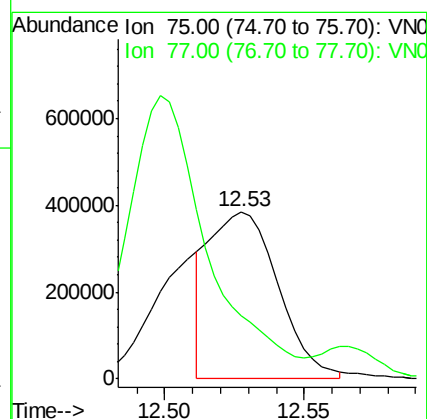
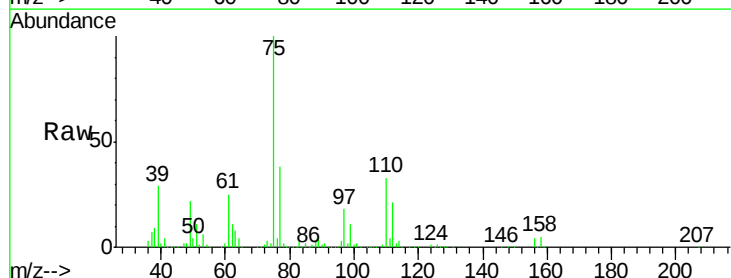
Acq: 23 Oct 2020 11:33

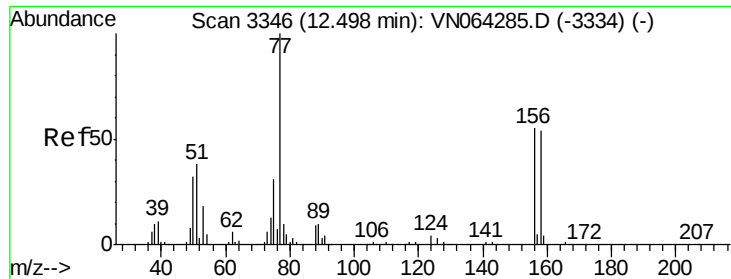
Tgt Ion: 75 Resp: 663741

Ion Ratio Lower Upper

75 100

77 197.5 0.0 365.2





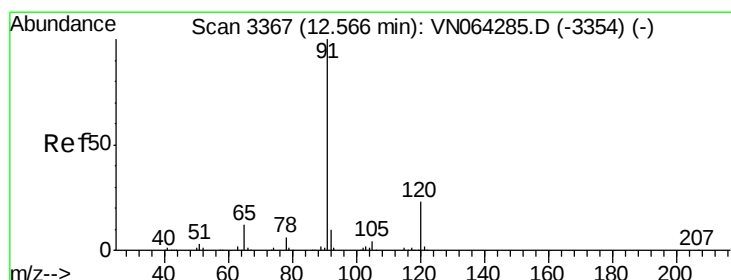
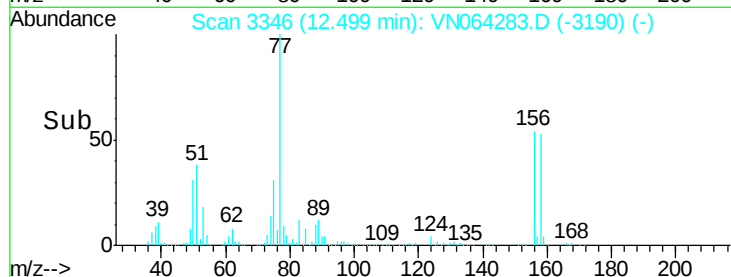
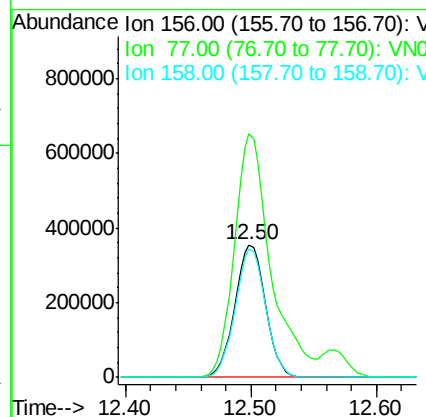
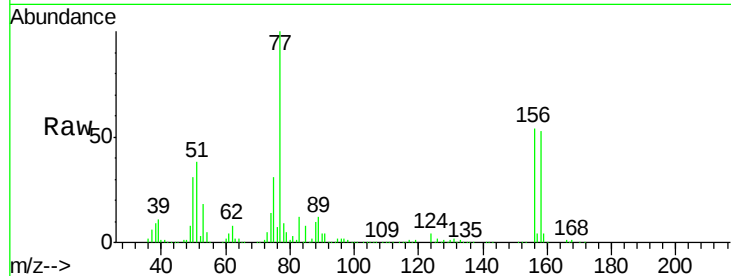
#73
Bromobenzene
Concen: 158.678 ug/l
RT: 12.50 min Scan# 3346
Delta R.T. 0.00 min
Lab File: VN064283.D
Acq: 23 Oct 2020 11:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
156	100		
77	218.3	0.0	450.2
158	96.6	0.0	194.8

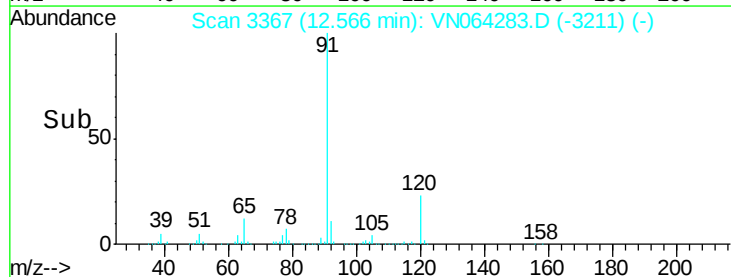
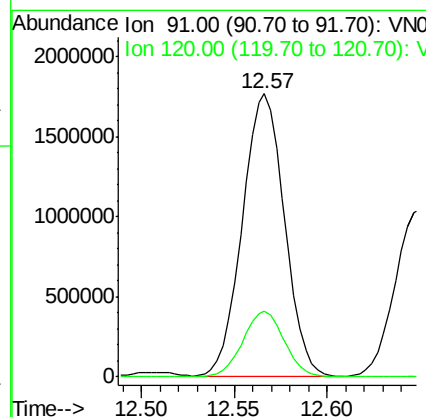
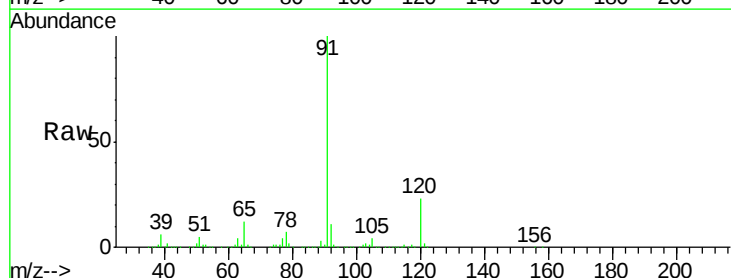
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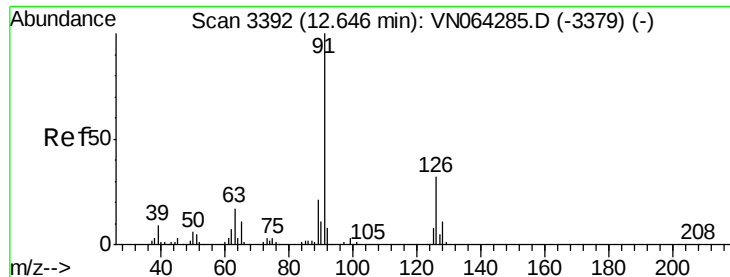
MMDadoda
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#74
n-propylbenzene
Concen: 155.457 ug/l
RT: 12.57 min Scan# 3367
Delta R.T. 0.00 min
Lab File: VN064283.D
Acq: 23 Oct 2020 11:33

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.8	0.0	43.6





#75

2-Chlorotoluene

Concen: 154.335 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN064283.D

Acq: 23 Oct 2020 11:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1718146

Ion Ratio Lower Upper

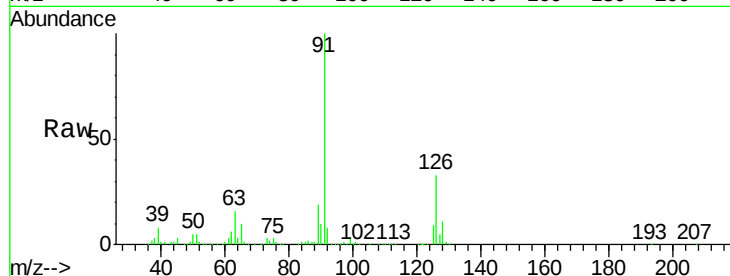
91 100

126 32.9 0.0 62.8

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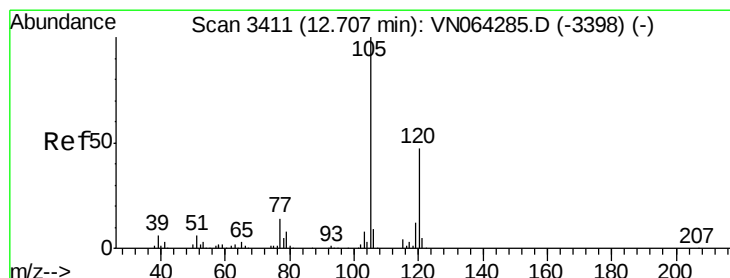
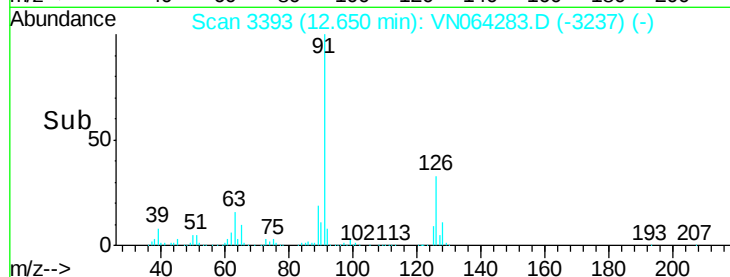
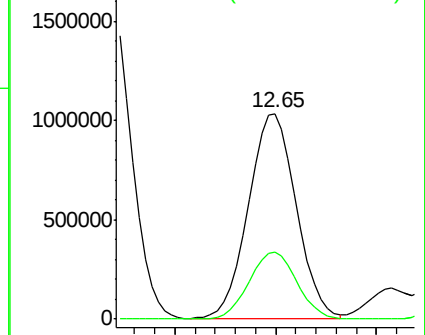
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 126.00 (125.70 to 126.70): V



#76

1,3,5-Trimethylbenzene

Concen: 155.459 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064283.D

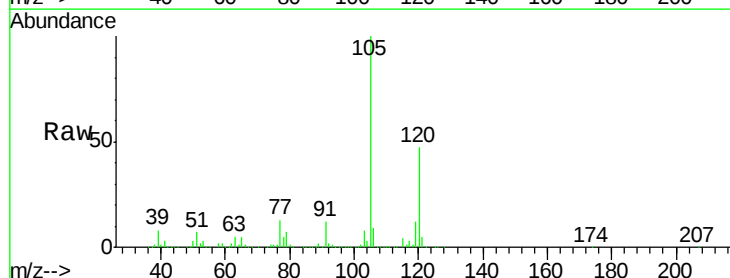
Acq: 23 Oct 2020 11:33

Tgt Ion:105 Resp: 2086838

Ion Ratio Lower Upper

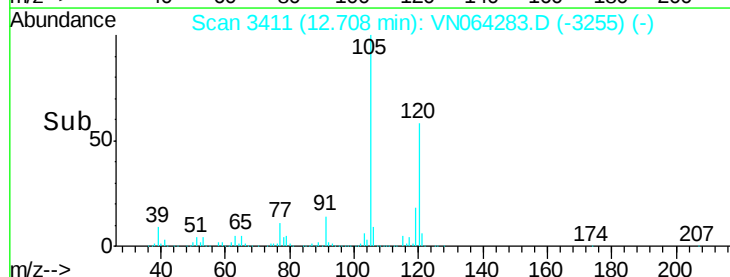
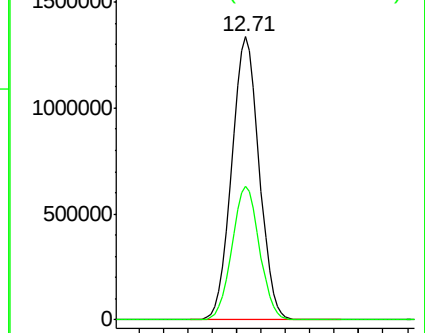
105 100

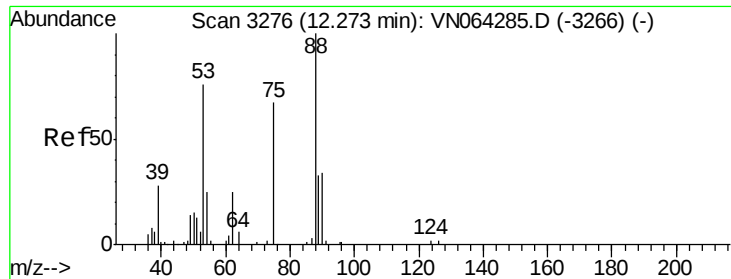
120 47.4 0.0 92.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





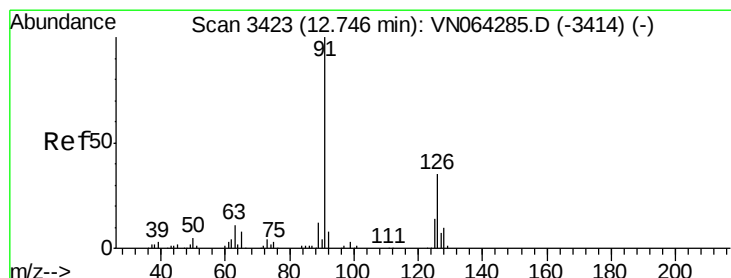
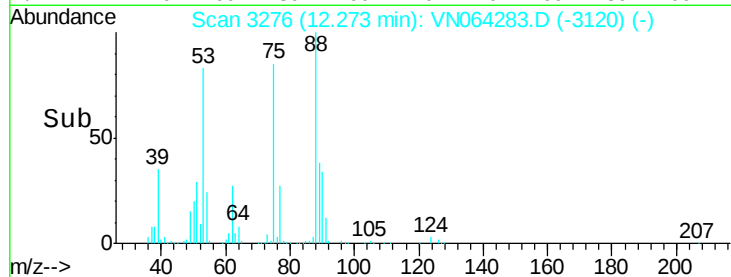
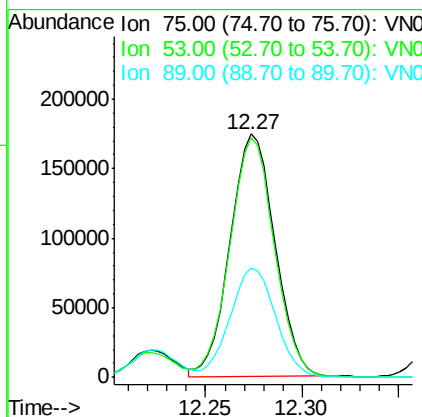
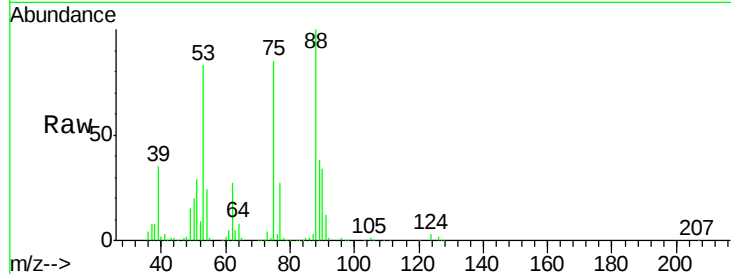
#77
t-1,4-Dichloro-2-butene
Concen: 158.860 ug/l
RT: 12.27 min Scan# 3276
Delta R.T. 0.00 min
Lab File: VN064283.D
Acq: 23 Oct 2020 11:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
75	100	281306		
53	98.3	44.8	134.3	
89	44.9	22.2	66.6	

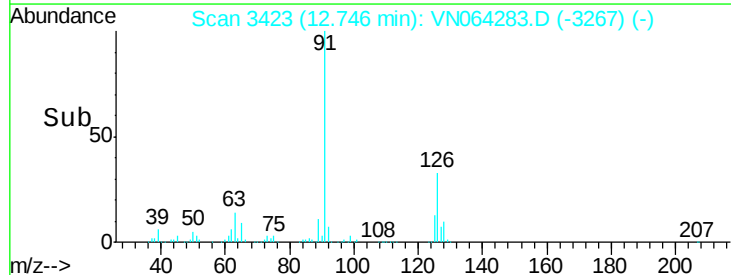
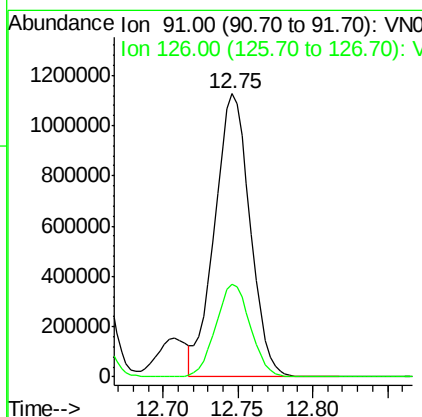
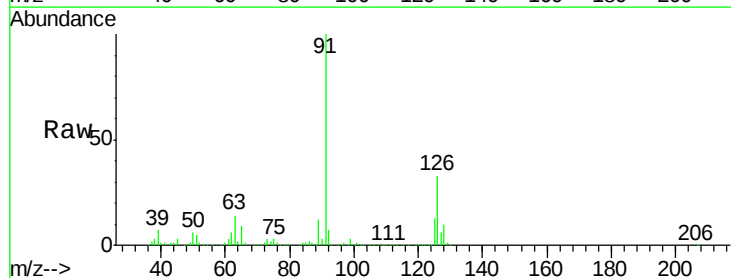
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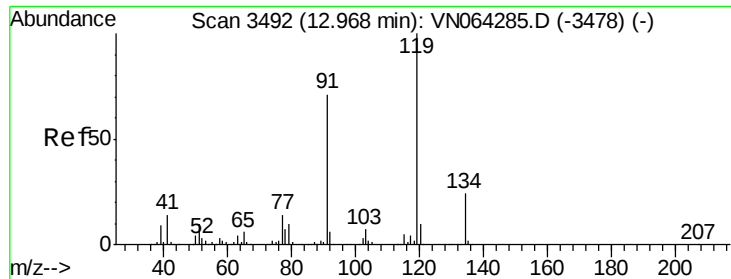
MMDadoda
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#78
4-Chlorotoluene
Concen: 158.162 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN064283.D
Acq: 23 Oct 2020 11:33

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	1849039		
126	32.1	0.0	62.2	





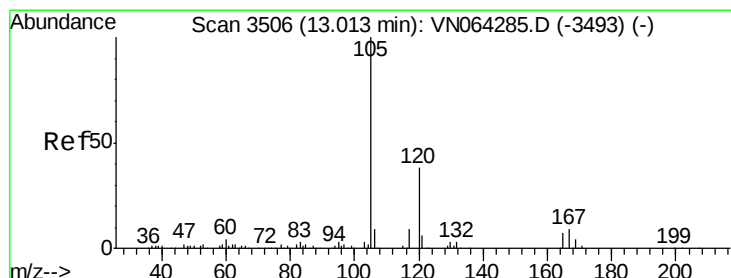
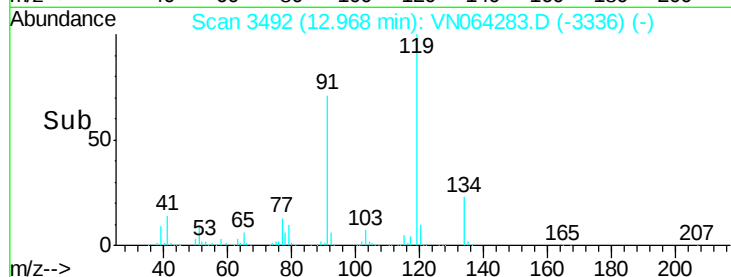
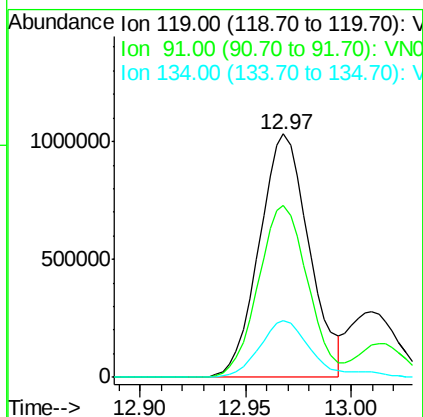
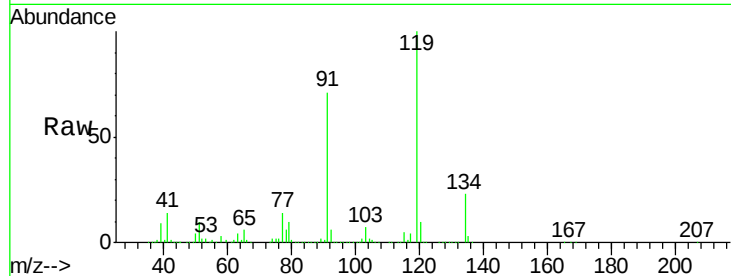
#79
tert-butylbenzene
Concen: 154.621 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN064283.D
Acq: 23 Oct 2020 11:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.5	0.0	140.0
134	23.0	0.0	45.8

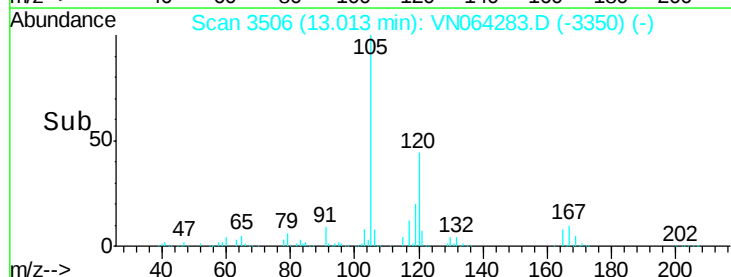
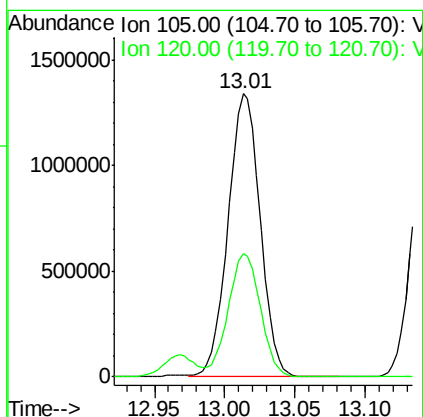
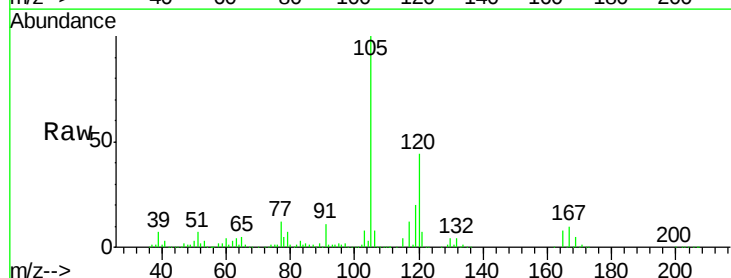
Manual Integrations
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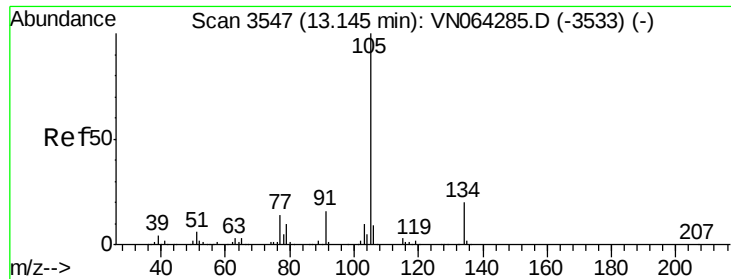
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 157.072 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN064283.D
Acq: 23 Oct 2020 11:33

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.9	0.0	87.4





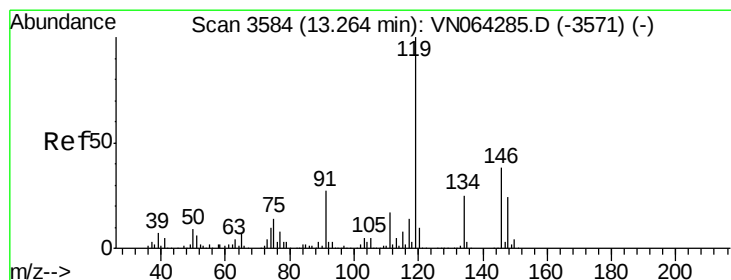
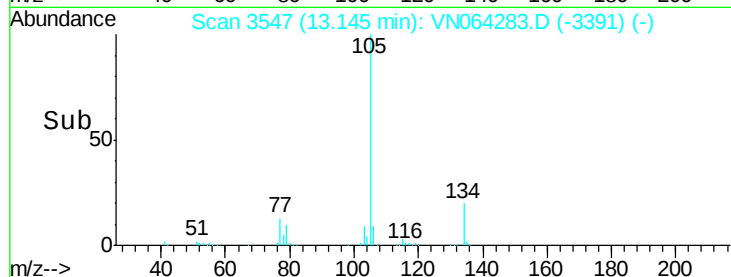
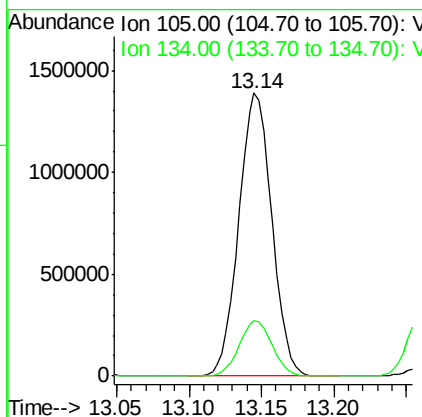
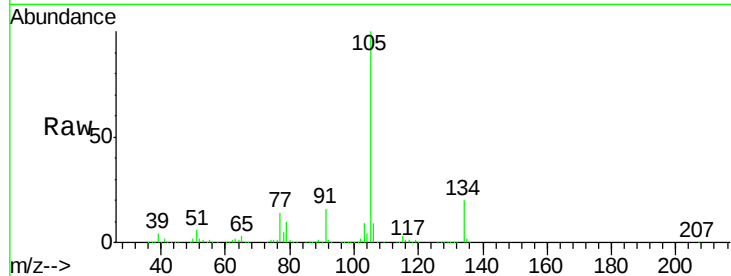
#81
 sec-Butylbenzene
 Concen: 154.878 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN064283.D
 Acq: 23 Oct 2020 11:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:105 Resp: 2197996
 Ion Ratio Lower Upper
 105 100
 134 19.6 0.0 36.8

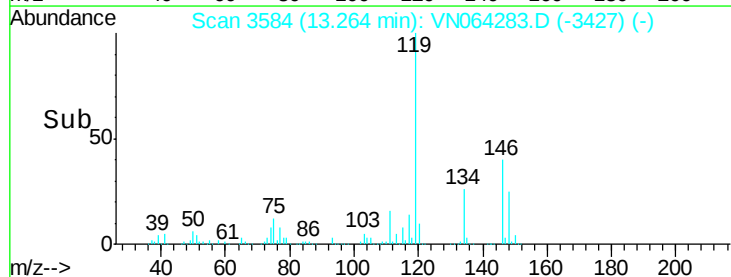
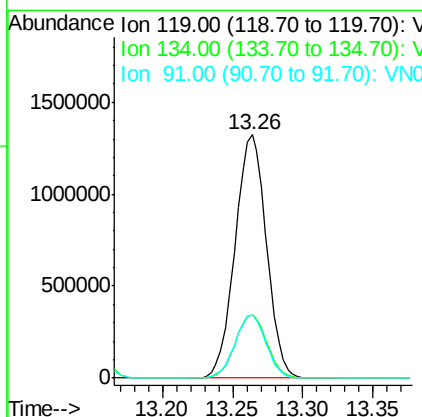
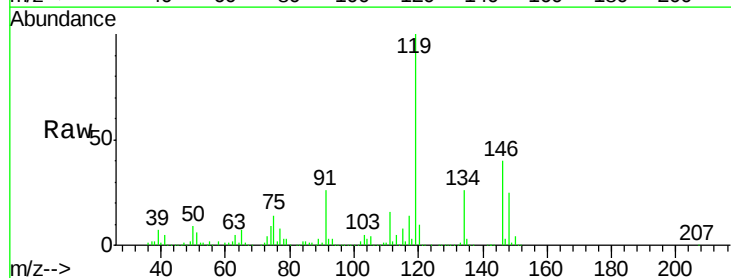
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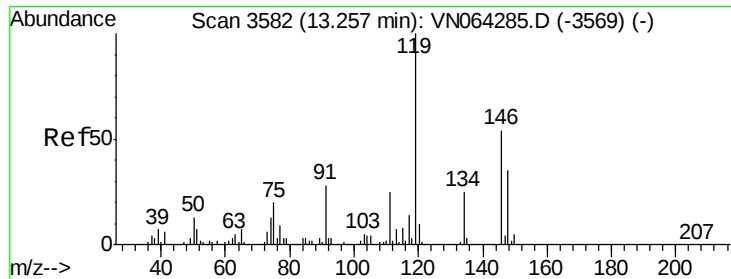
MMDadoda
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#82
 p-Isopropyltoluene
 Concen: 156.526 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN064283.D
 Acq: 23 Oct 2020 11:33

Tgt Ion:119 Resp: 2061278
 Ion Ratio Lower Upper
 119 100
 134 26.1 0.0 47.8
 91 25.5 0.0 55.8





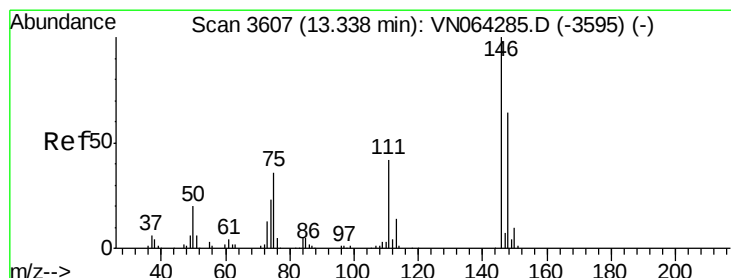
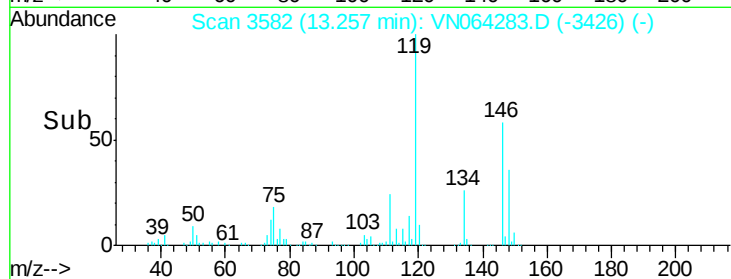
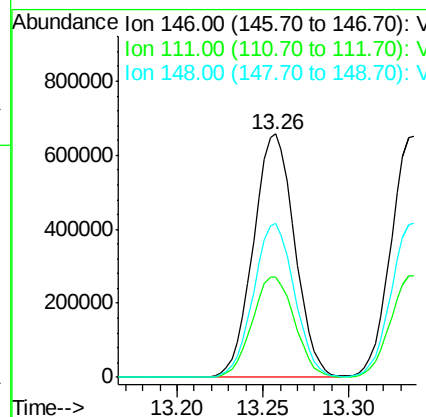
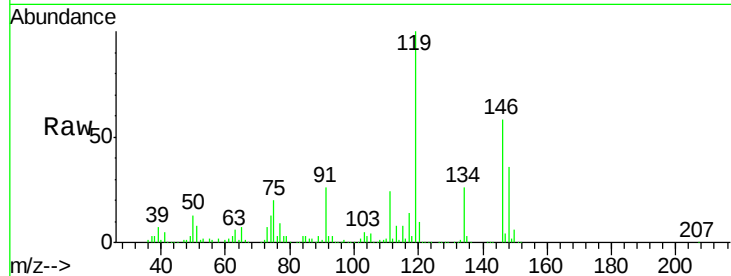
#83
 1,3-Dichlorobenzene
 Concen: 160.466 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064283.D
 Acq: 23 Oct 2020 11:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	22.1	66.5
148	62.6	31.9	95.5

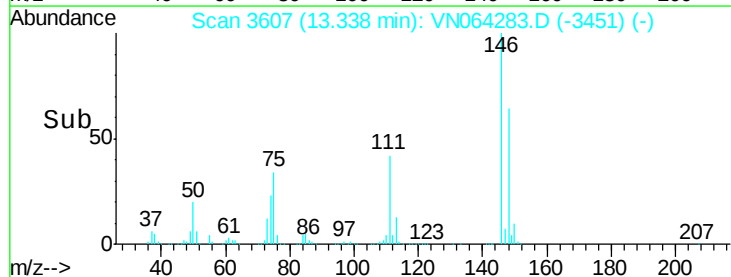
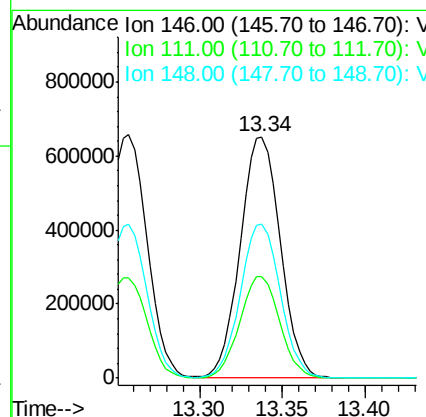
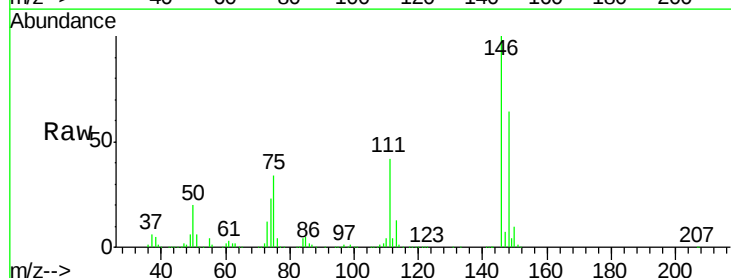
Manual Integrations
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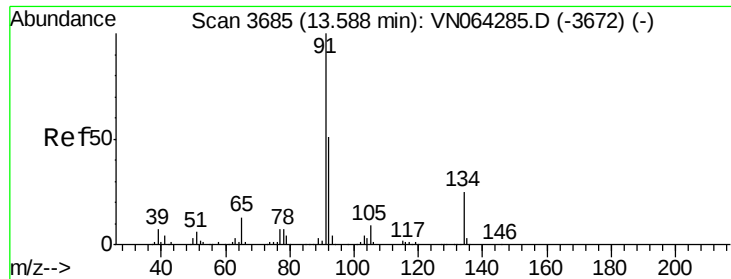
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#84
 1,4-Dichlorobenzene
 Concen: 161.242 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064283.D
 Acq: 23 Oct 2020 11:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.3	61.0
148	63.6	31.4	94.3





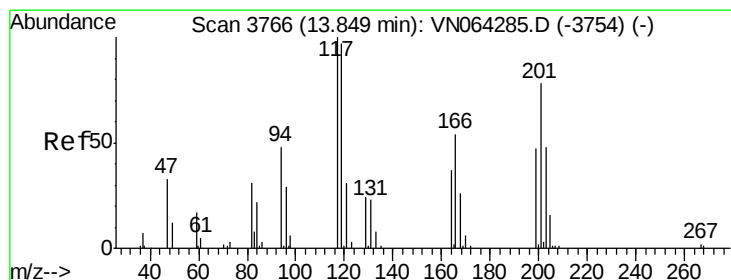
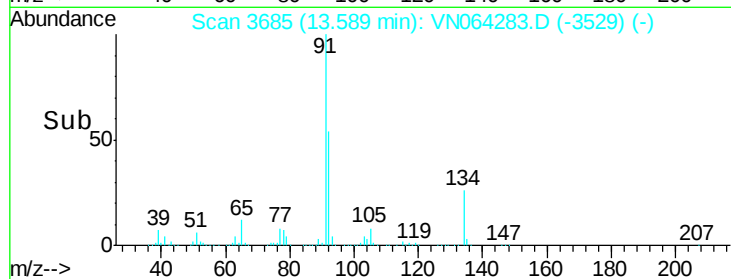
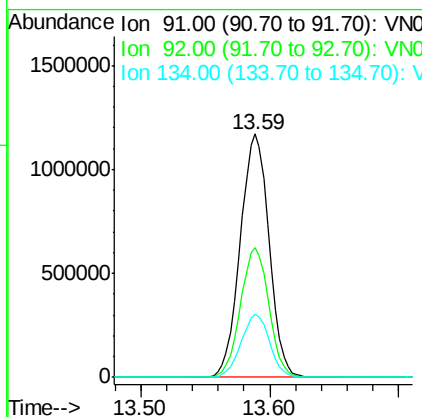
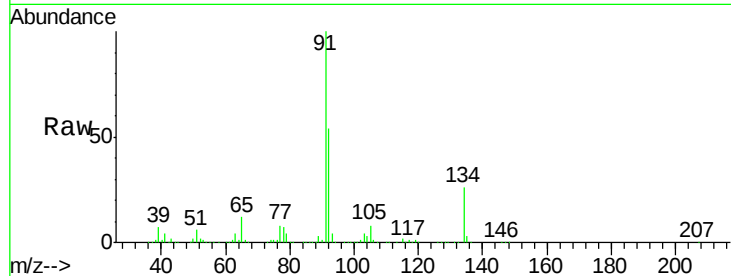
#85
n-Butylbenzene
Concen: 155.792 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN064283.D
Acq: 23 Oct 2020 11:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 1815764
Ion Ratio Lower Upper
91 100
92 52.5 0.0 110.0
134 25.7 0.0 51.6

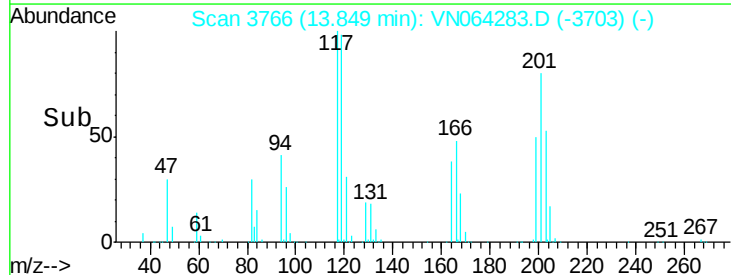
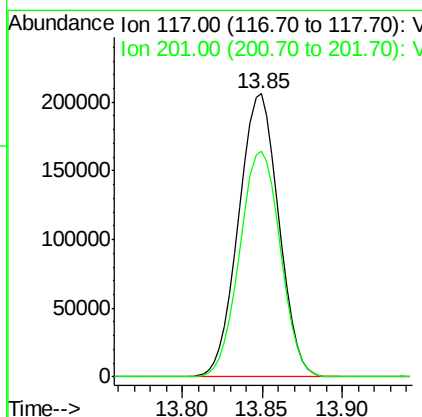
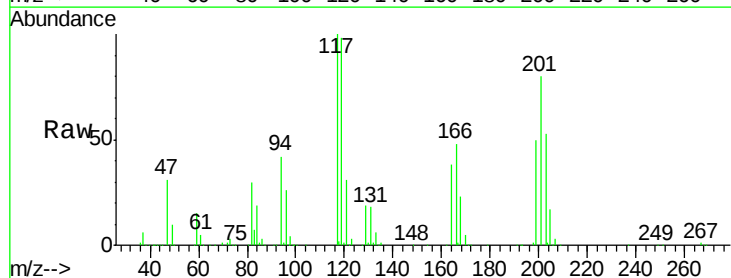
Manual Integrations
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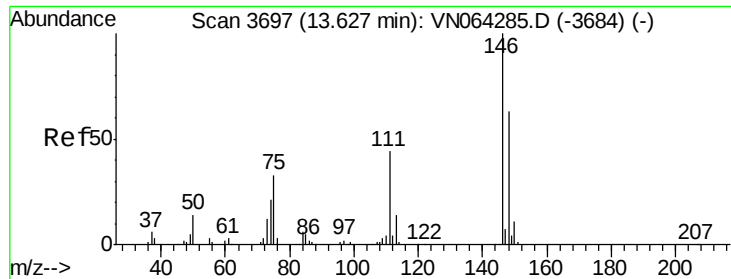
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#86
Hexachloroethane
Concen: 156.533 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN064283.D
Acq: 23 Oct 2020 11:33

Tgt Ion: 117 Resp: 352819
Ion Ratio Lower Upper
117 100
201 80.9 37.2 111.6





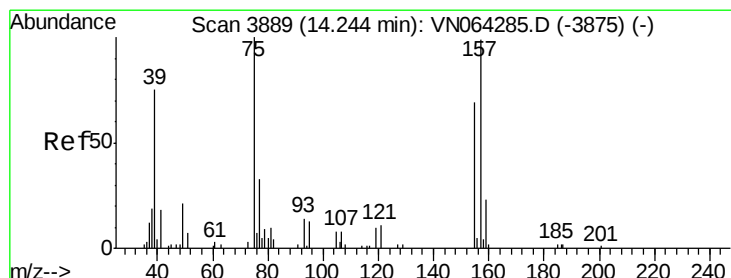
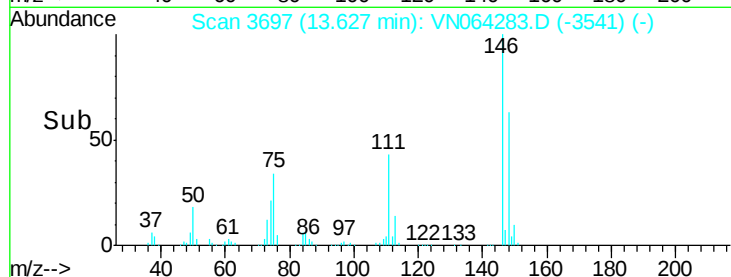
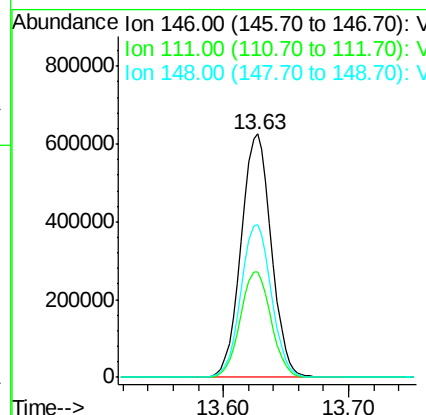
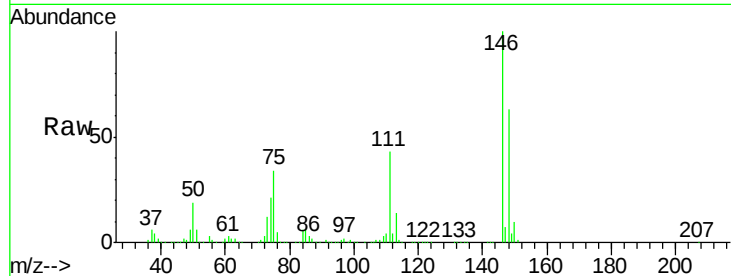
#87
 1,2-Dichlorobenzene
 Concen: 157.084 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064283.D
 Acq: 23 Oct 2020 11:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.0	23.1	69.3
148	63.5	32.3	96.8

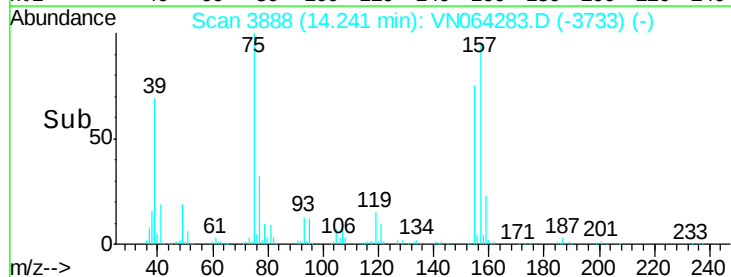
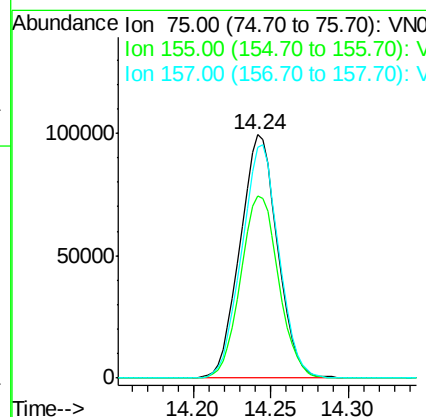
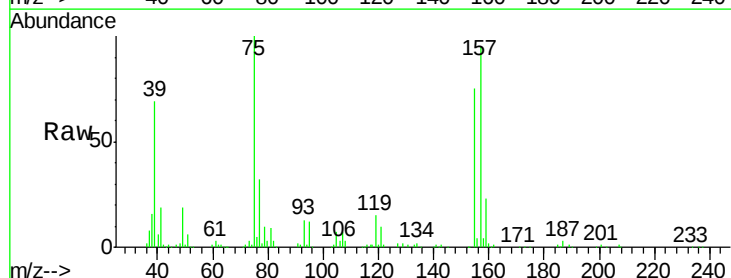
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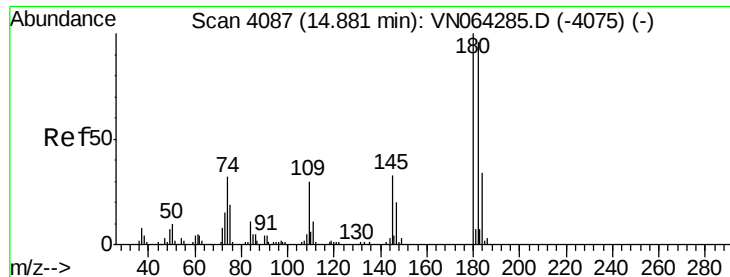
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 10/26/2020 1:38:49 PM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 150.799 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN064283.D
 Acq: 23 Oct 2020 11:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.0	56.6	84.8
157	95.5	70.1	105.1





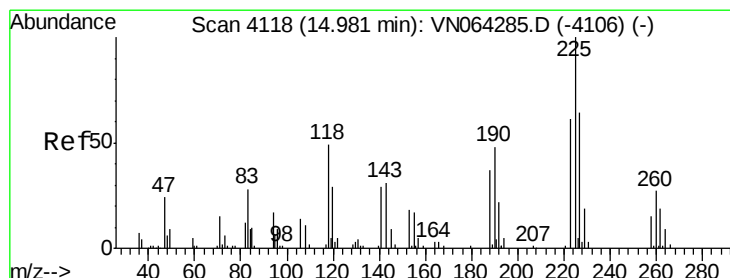
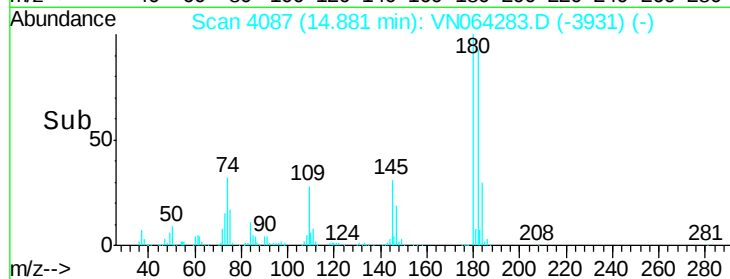
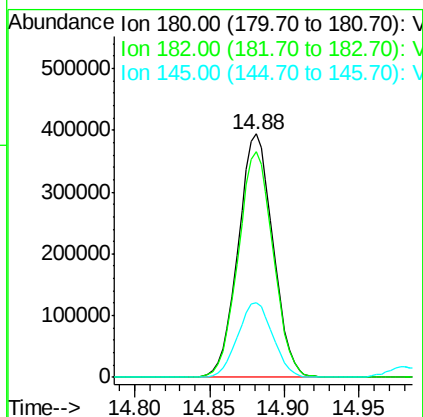
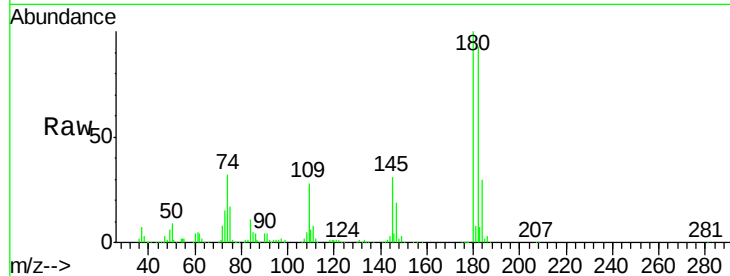
#89
 1,2,4-Trichlorobenzene
 Concen: 162.247 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN064283.D
 Acq: 23 Oct 2020 11:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	637594		
182	93.4	71.3	106.9	
145	31.2	23.9	35.9	

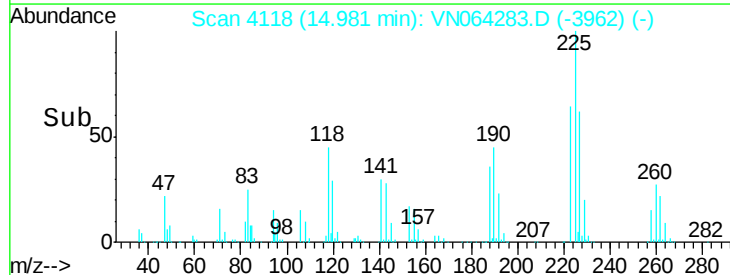
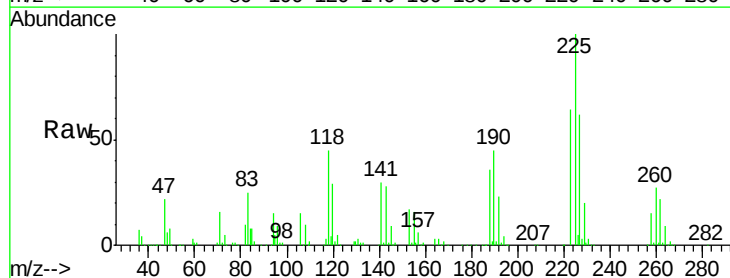
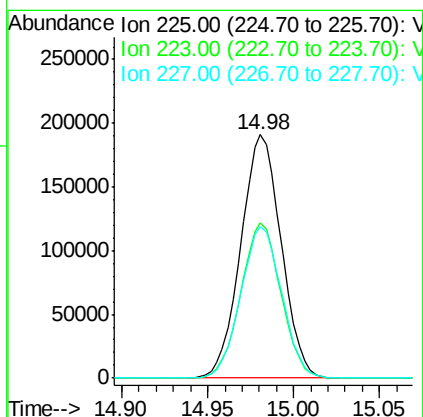
Manual Integrations
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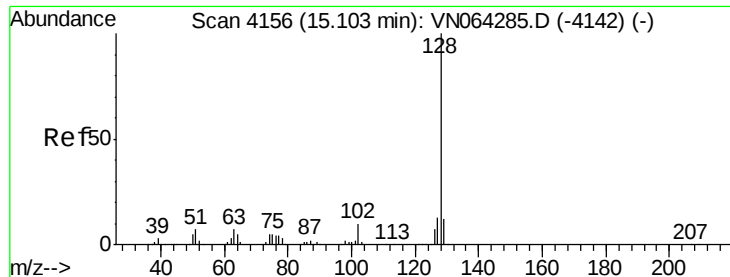
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#90
 Hexachlorobutadiene
 Concen: 153.115 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN064283.D
 Acq: 23 Oct 2020 11:33

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	311439		
223	63.3	0.0	129.8	
227	63.1	0.0	128.6	





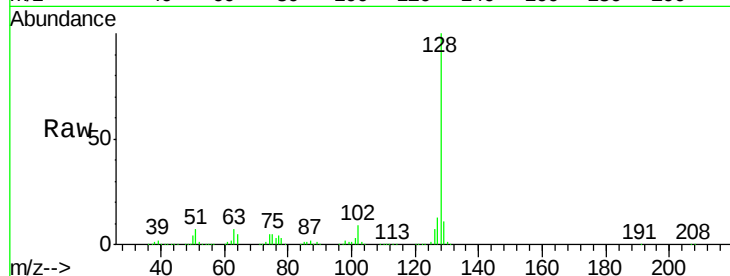
#91
Naphthalene
Concen: 157.301 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN064283.D
Acq: 23 Oct 2020 11:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

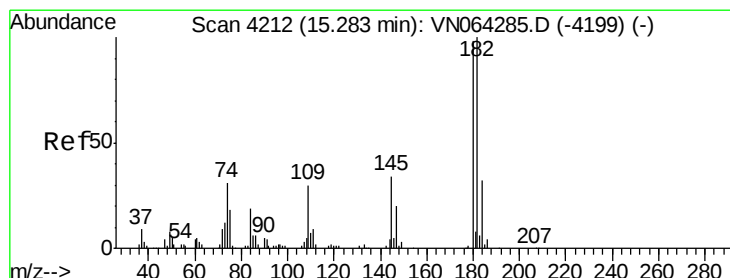
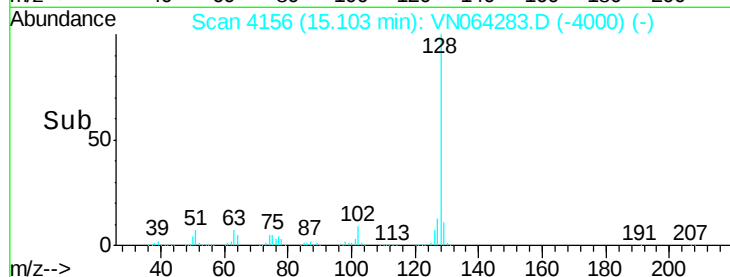
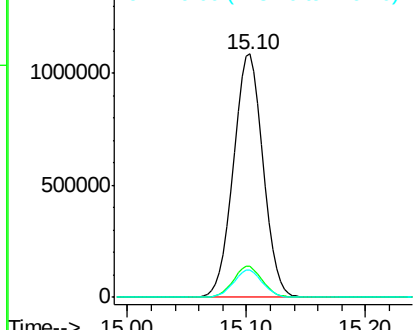
Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	9.9	14.9
129	11.1	8.3	12.5

Manual Integrations
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10/26/2020 1:38:49 PM

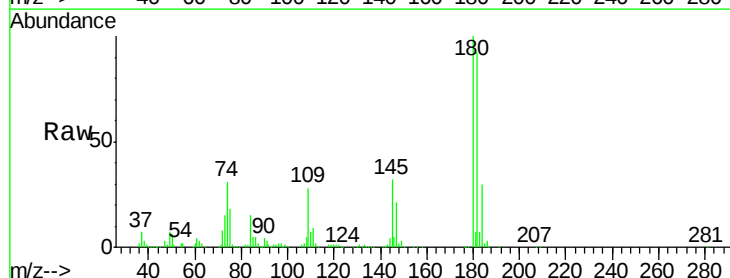


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#92
1,2,3-Trichlorobenzene
Concen: 162.935 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN064283.D
Acq: 23 Oct 2020 11:33

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	0.0	188.8
145	32.8	0.0	70.0



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

