

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111220\
 Data File : VN064574.D
 Acq On : 12 Nov 2020 12:18
 Operator : JC/MD
 Sample : VN1112WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112WBS01

Manual Integrations
 APPROVED

MMDadoda
 11/13/2020 11:42:12 AM

Quant Time: Nov 13 03:21:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 12:09:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	292478	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	507178	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	481283	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	213443	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	254007	49.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.72%	
35) Dibromofluoromethane	7.55	113	177390	51.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.74%	
50) Toluene-d8	10.06	98	649041	48.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.26%	
62) 4-Bromofluorobenzene	12.38	95	234905	46.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	66866	17.563	ug/l	99
3) Chloromethane	2.04	50	77601	16.780	ug/l	99
4) Vinyl Chloride	2.17	62	85799	18.067	ug/l	97
5) Bromomethane	2.54	94	57914	19.089	ug/l	98
6) Chloroethane	2.68	64	57096	18.779	ug/l	97
7) Trichlorofluoromethane	2.99	101	136380	19.503	ug/l	99
8) Diethyl Ether	3.37	74	47274	19.144	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.71	101	61016	18.374	ug/l	99
10) Methyl Iodide	3.91	142	66618	17.265	ug/l	96
11) Tert butyl alcohol	4.75	59	52116	92.763	ug/l	98
12) 1,1-Dichloroethene	3.70	96	57223	18.294	ug/l	98
13) Acrolein	3.57	56	24489	70.272	ug/l	99
14) Allyl chloride	4.28	41	104939	17.150	ug/l	98
15) Acrylonitrile	4.94	53	147393	94.231	ug/l	97
16) Acetone	3.78	43	160496	82.705	ug/l	100
17) Carbon Disulfide	4.01	76	165396	17.681	ug/l	100
18) Methyl Acetate	4.28	43	74483	19.523	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	194304	17.259	ug/l	97
20) Methylene Chloride	4.50	84	71482	18.565	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	61733	17.382	ug/l	99
22) Diisopropyl ether	5.90	45	225988	17.399	ug/l	95
23) Vinyl Acetate	5.85	43	900122	85.186	ug/l	98
24) 1,1-Dichloroethane	5.80	63	127036	17.798	ug/l	100
25) 2-Butanone	6.79	43	216239	87.454	ug/l	95
26) 2,2-Dichloropropane	6.78	77	116287	17.998	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	70346	17.093	ug/l	100
28) Bromochloromethane	7.15	49	60357	17.204	ug/l	97
29) Tetrahydrofuran	7.17	42	136729	90.132	ug/l	100
30) Chloroform	7.33	83	139434	18.585	ug/l	93
31) Cyclohexane	7.61	56	100014	16.150	ug/l	94
32) 1,1,1-Trichloroethane	7.53	97	121173	18.209	ug/l	98
36) 1,1-Dichloropropene	7.75	75	94747	17.683	ug/l	99
37) Ethyl Acetate	6.89	43	94301	17.839	ug/l #	92
38) Carbon Tetrachloride	7.73	117	108509	18.949	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	80753	16.813	ug/l	93
40) Benzene	8.00	78	279936	17.780	ug/l	97
41) Methacrylonitrile	7.15	41	51136m	21.527	ug/l	
42) 1,2-Dichloroethane	8.09	62	119504	18.808	ug/l	99
43) Isopropyl Acetate	8.13	43	154837	17.832	ug/l	100
44) Trichloroethene	8.80	130	72627	18.283	ug/l	95
45) 1,2-Dichloropropane	9.08	63	77944	18.554	ug/l	97
46) Dibromomethane	9.17	93	53029	19.175	ug/l	99
47) Bromodichloromethane	9.37	83	115381	19.404	ug/l	100
48) Methyl methacrylate	9.17	41	75553	17.244	ug/l	100
49) 1,4-Dioxane	9.17	88	21204	367.420	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	479002	94.595	ug/l	100
52) Toluene	10.13	92	175159	18.240	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	113417	17.991	ug/l	96
54) cis-1,3-Dichloropropene	9.81	75	120607	17.894	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	70585	18.848	ug/l	97
56) Ethyl methacrylate	10.40	69	93318	16.428	ug/l	96
57) 1,3-Dichloropropane	10.68	76	120522	18.437	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	251250	100.399	ug/l	97
59) 2-Hexanone	10.72	43	336795	84.279	ug/l	98
60) Dibromochloromethane	10.87	129	81161	19.356	ug/l	98
61) 1,2-Dibromoethane	10.98	107	71998	18.954	ug/l	98
64) Tetrachloroethene	10.60	164	66808	18.021	ug/l	97
65) Chlorobenzene	11.41	112	187042	17.728	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.48	131	73997	18.800	ug/l	100
67) Ethyl Benzene	11.49	91	323060	17.214	ug/l	98
68) m/p-Xylenes	11.60	106	240262	35.301	ug/l	100
69) o-Xylene	11.92	106	106605	16.209	ug/l	94
70) Styrene	11.94	104	193722	17.504	ug/l	99
71) Bromoform	12.10	173	50361	17.880	ug/l #	97
73) Isopropylbenzene	12.23	105	290469	17.122	ug/l	100
74) N-amyl acetate	12.05	43	122583	15.751	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	97764	18.762	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	94405m	18.255	ug/l	
77) Bromobenzene	12.50	156	74728	18.042	ug/l	97
78) n-propylbenzene	12.57	91	343872	17.779	ug/l	100
79) 2-Chlorotoluene	12.65	91	216856	17.678	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	248346	17.744	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.28	75	31690	17.109	ug/l	92
82) 4-Chlorotoluene	12.75	91	229793	17.887	ug/l	100
83) tert-Butylbenzene	12.97	119	190072	17.389	ug/l	98
84) 1,2,4-Trimethylbenzene	13.02	105	246458	17.517	ug/l	100
85) sec-Butylbenzene	13.15	105	250969	18.129	ug/l	100
86) p-Isopropyltoluene	13.26	119	223129	17.919	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	128275	17.916	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	132394	17.893	ug/l	99
89) n-Butylbenzene	13.59	91	187739	17.535	ug/l	98
90) Hexachloroethane	13.85	117	47133	19.622	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	131408	19.080	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	20887	20.133	ug/l	95

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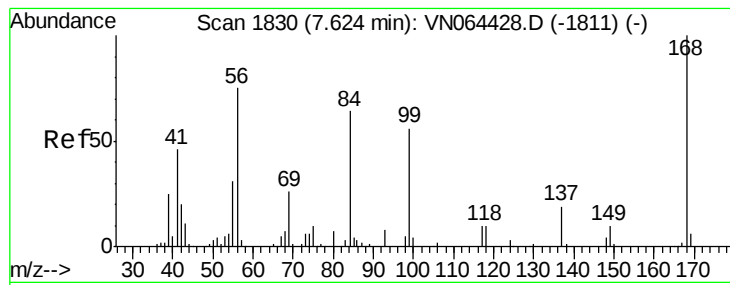
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APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	50993	16.759	ug/l	98
94) Hexachlorobutadiene	14.98	225	28354	20.221	ug/l	97
95) Naphthalene	15.10	128	152203	15.682	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	52190	17.652	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064574.D

Acq: 12 Nov 2020 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBS01

Tot Ion:168 Resp: 292478

Ion Ratio Lower Upper

168 100

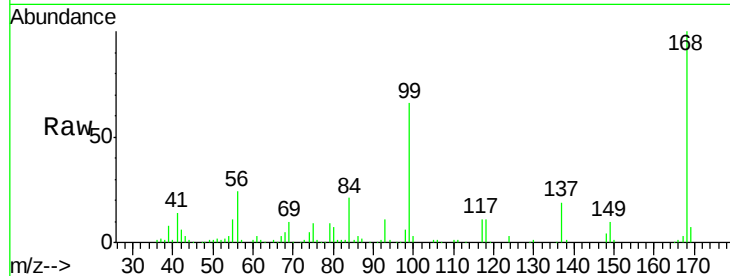
99 65.6 53.4 80.2

Manual Integrations

APPROVED

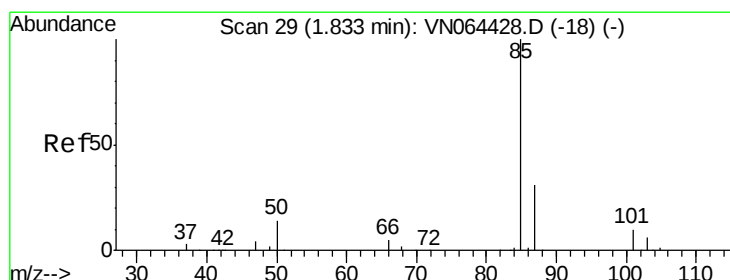
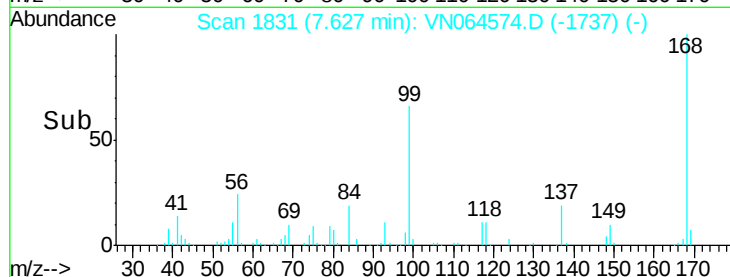
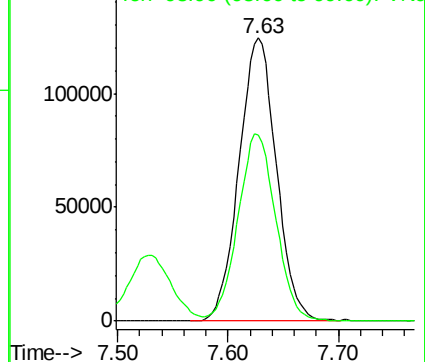
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 17.563 ug/l

RT: 1.84 min Scan# 30

Delta R.T. 0.00 min

Lab File: VN064574.D

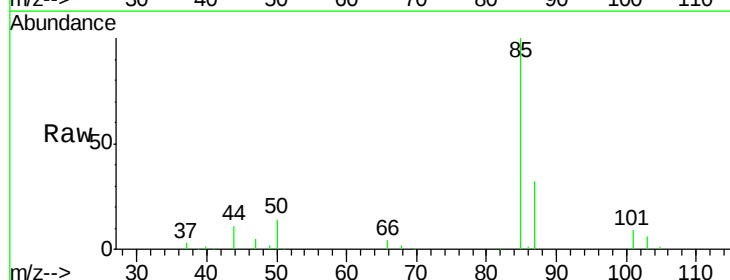
Acq: 12 Nov 2020 12:18

Tgt Ion: 85 Resp: 66866

Ion Ratio Lower Upper

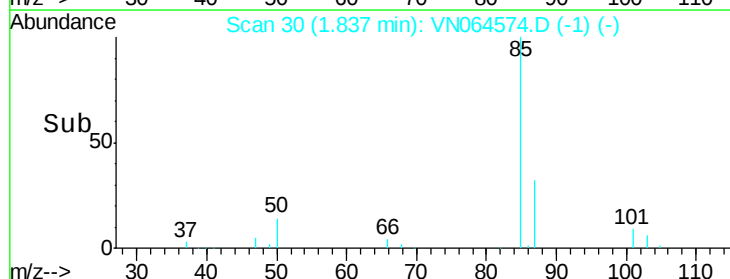
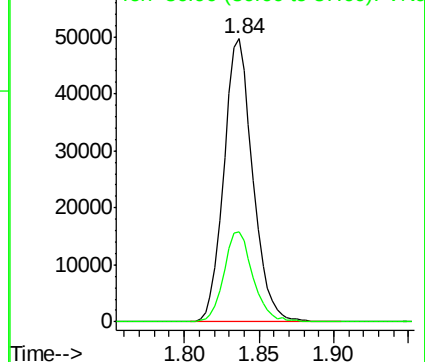
85 100

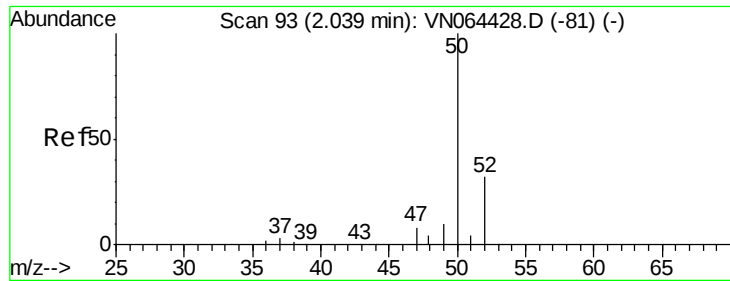
87 32.1 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 16.780 ug/l

RT: 2.04 min Scan# 94

Delta R.T. 0.00 min

Lab File: VN064574.D

Acq: 12 Nov 2020 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBS01

Tot Ion: 50 Resp: 77601

Ion Ratio Lower Upper

50 100

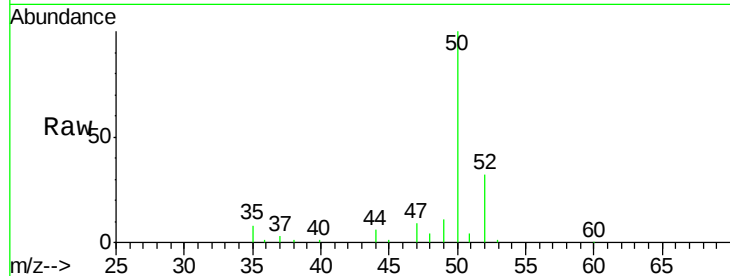
52 32.4 25.3 37.9

Manual Integrations

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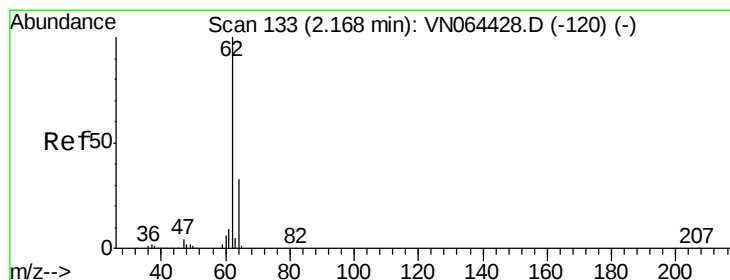
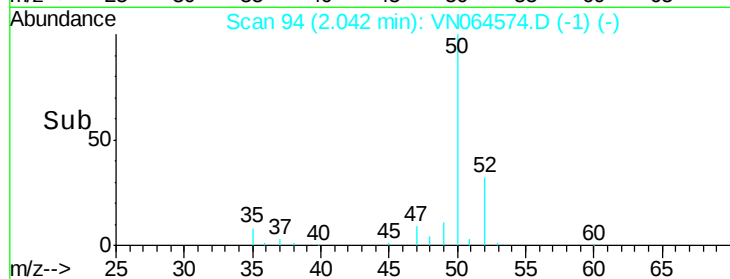
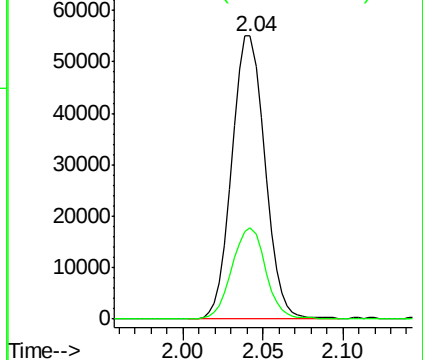
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 18.067 ug/l

RT: 2.17 min Scan# 133

Delta R.T. -0.00 min

Lab File: VN064574.D

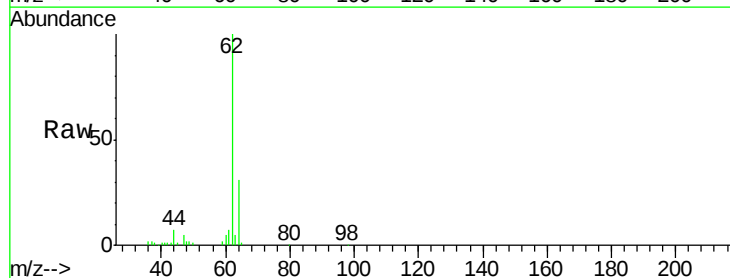
Acq: 12 Nov 2020 12:18

Tgt Ion: 62 Resp: 85799

Ion Ratio Lower Upper

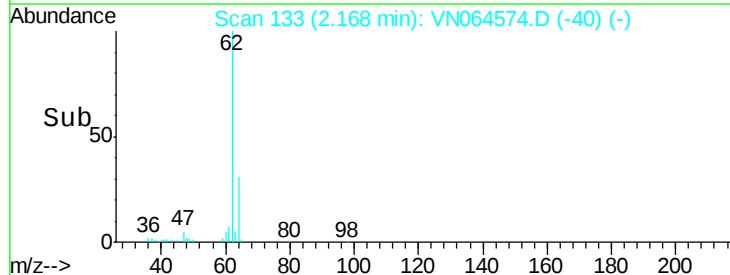
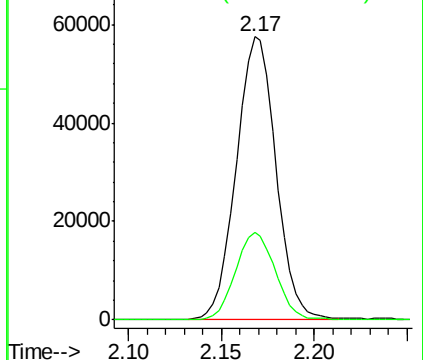
62 100

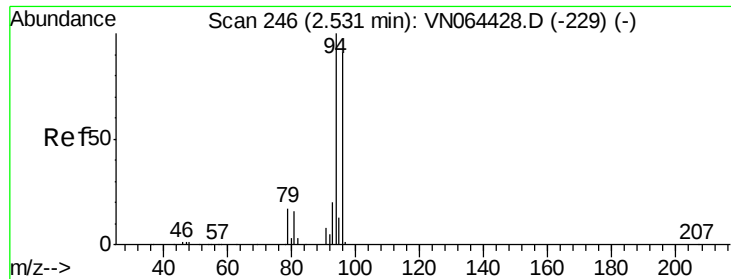
64 31.1 26.3 39.5



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 19.089 ug/l

RT: 2.54 min Scan# 249

Delta R.T. 0.01 min

Lab File: VN064574.D

Acq: 12 Nov 2020 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBS01

Tot Ion: 94 Resp: 57914

Ion Ratio Lower Upper

94 100

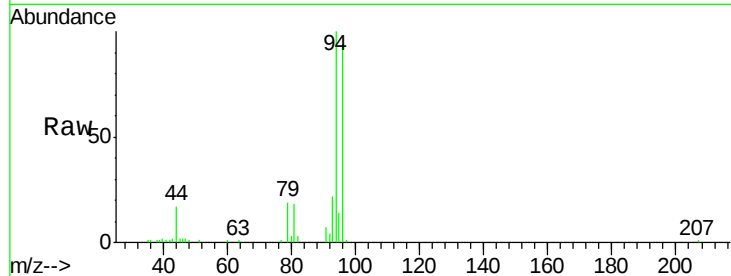
96 93.5 73.1 109.7

Manual Integrations

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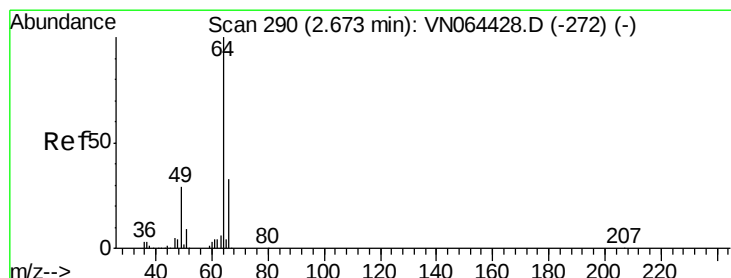
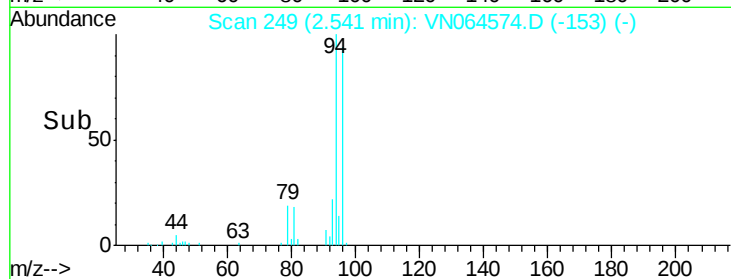
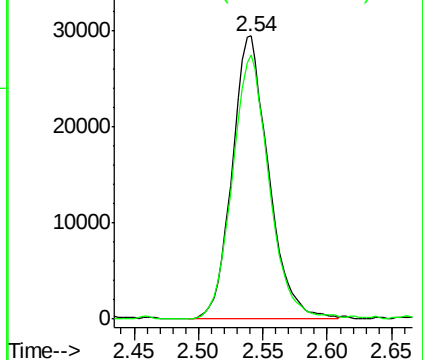
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Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC



#6

Chloroethane

Concen: 18.779 ug/l

RT: 2.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VN064574.D

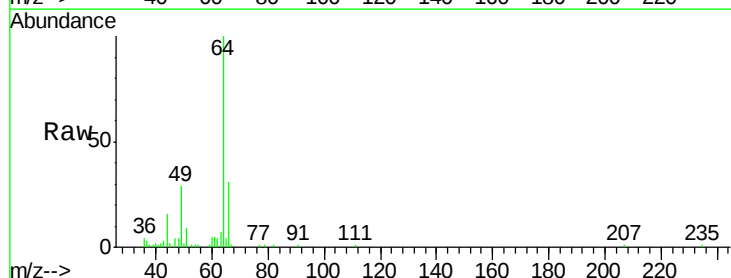
Acq: 12 Nov 2020 12:18

Tgt Ion: 64 Resp: 57096

Ion Ratio Lower Upper

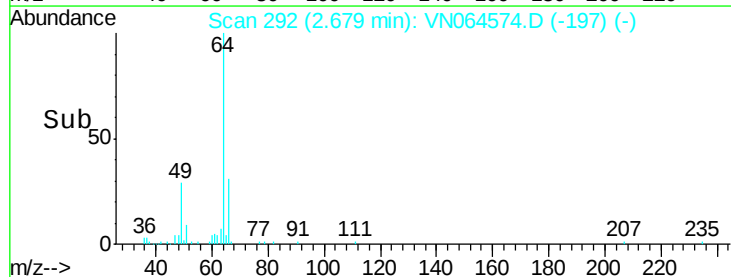
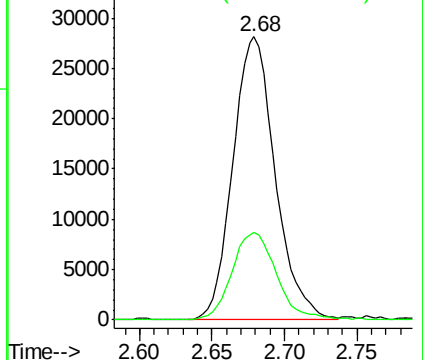
64 100

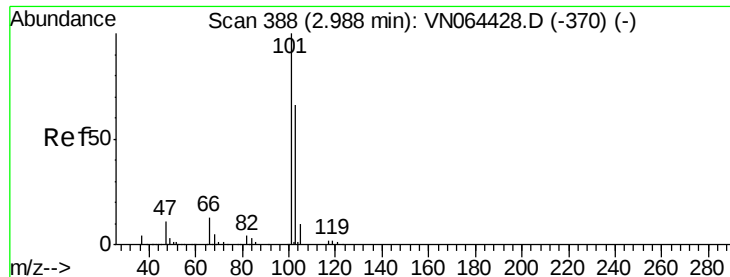
66 31.1 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VNC

Ion 65.90 (65.60 to 66.60): VNC





#7

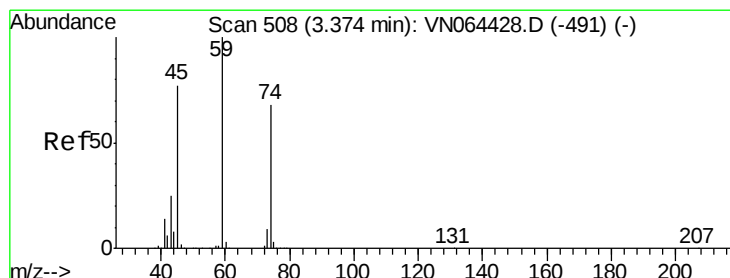
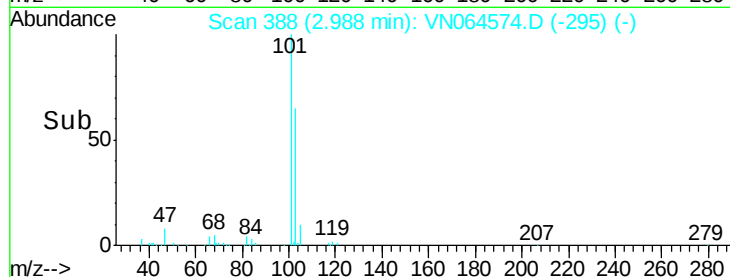
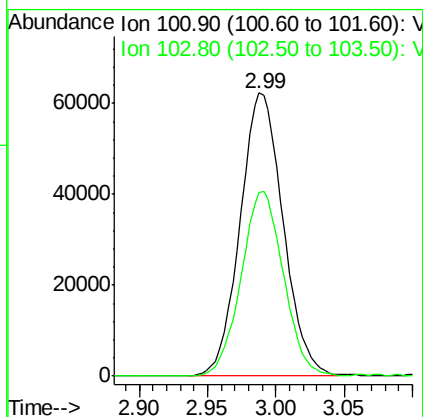
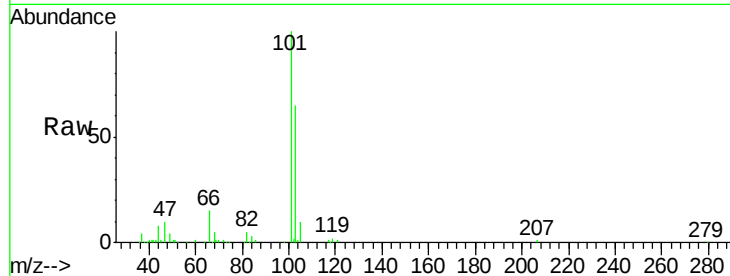
Trichlorofluoromethane
Concen: 19.503 ug/l
RT: 2.99 min Scan# 388
Delta R.T. -0.00 min
Lab File: VN064574.D
Acq: 12 Nov 2020 12:18

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	52.4	78.6

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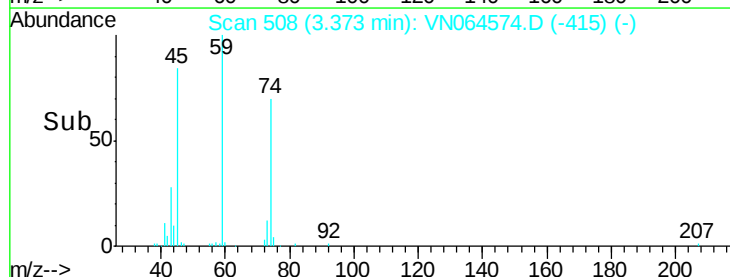
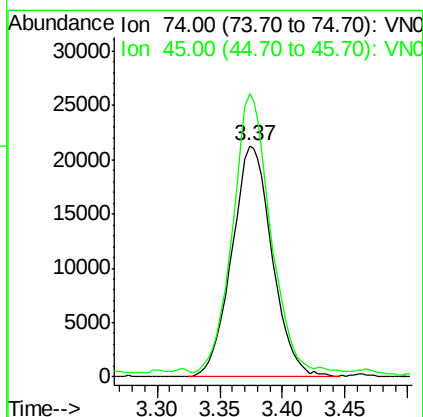
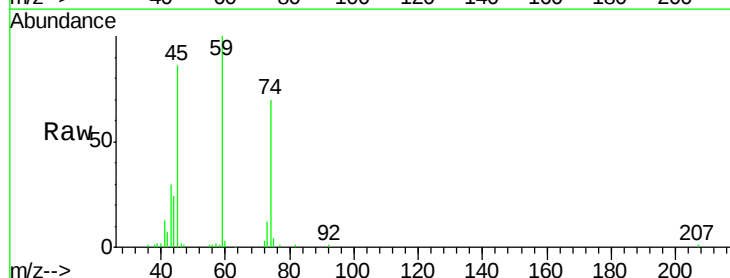
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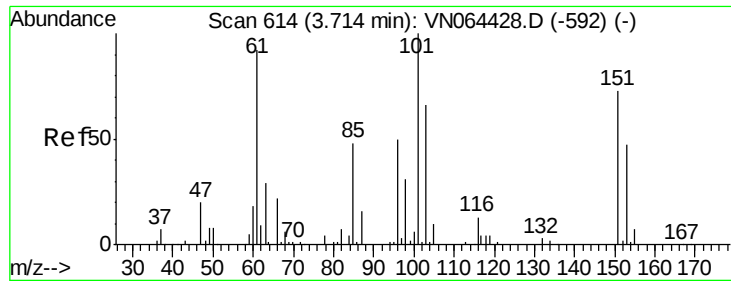


#8

Diethyl Ether
Concen: 19.144 ug/l
RT: 3.37 min Scan# 508
Delta R.T. -0.00 min
Lab File: VN064574.D
Acq: 12 Nov 2020 12:18

Tgt Ion	Ratio	Lower	Upper
74	100		
45	112.4	55.9	167.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.374 ug/l

RT: 3.71 min Scan# 614

Delta R.T. -0.00 min

Lab File: VN064574.D

Acq: 12 Nov 2020 12:18

Instrument :

MSVOA_N

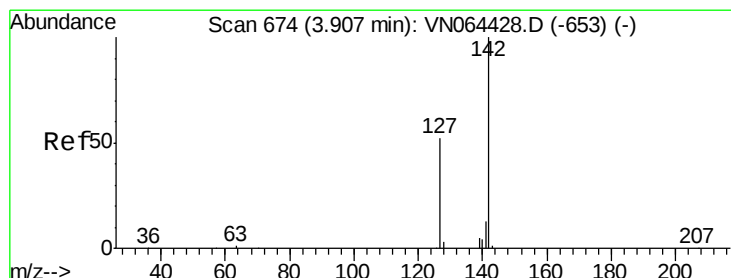
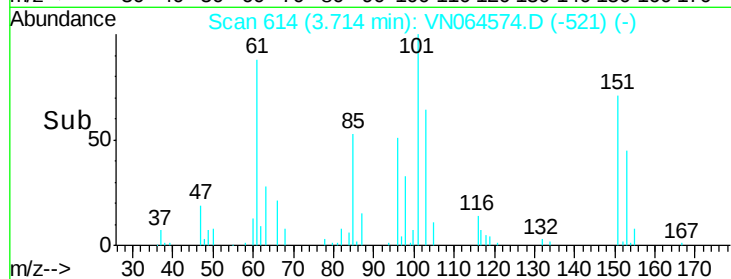
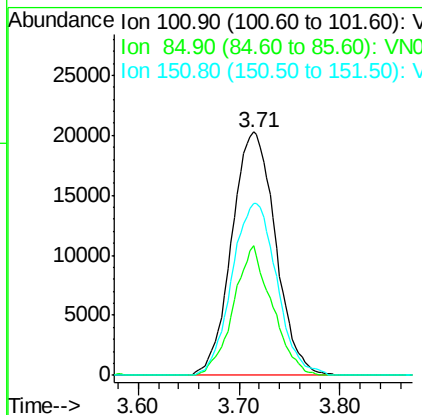
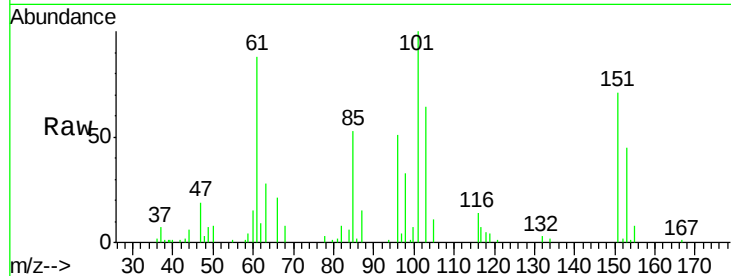
ClientSampleId :

VN1112WBS01

Tot Ion:	101	Resp:	61016
Ion Ratio	Lower	Upper	
101	100		
85	47.0	38.6	57.8
151	72.4	57.5	86.3

Manual Integrations
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11/13/2020 11:42:12 AM



#10

Methyl Iodide

Concen: 17.265 ug/l

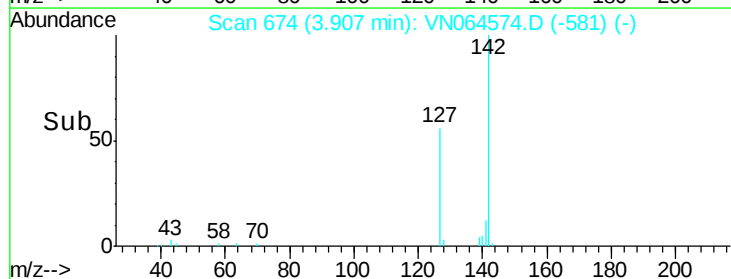
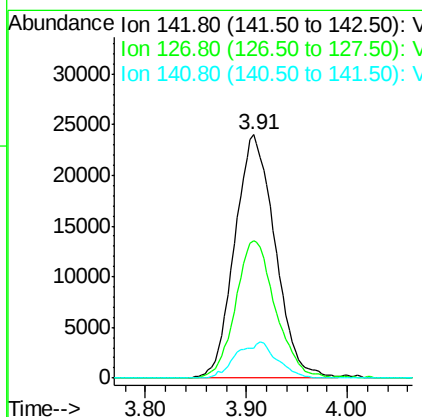
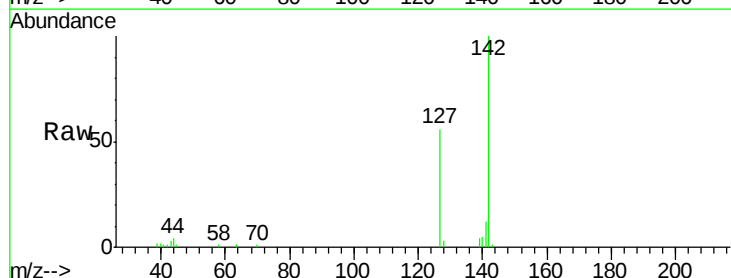
RT: 3.91 min Scan# 674

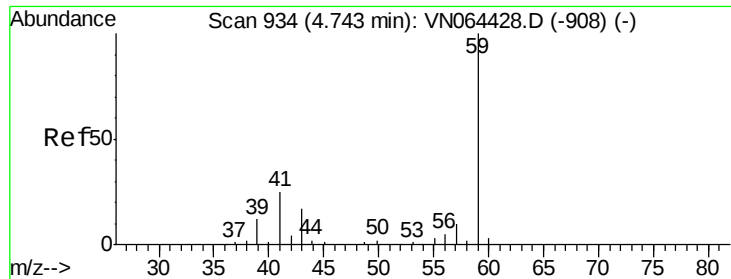
Delta R.T. -0.00 min

Lab File: VN064574.D

Acq: 12 Nov 2020 12:18

Tgt Ion:	142	Resp:	66618
Ion Ratio	Lower	Upper	
142	100		
127	55.7	41.8	62.8
141	15.0	11.4	17.2





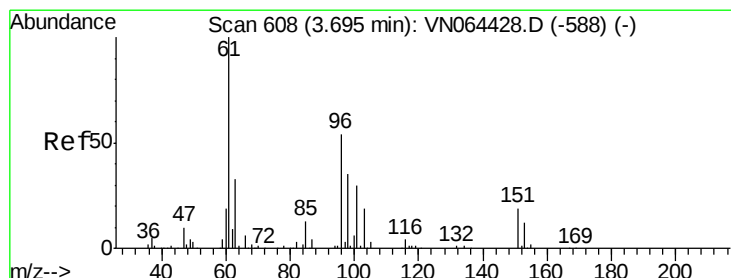
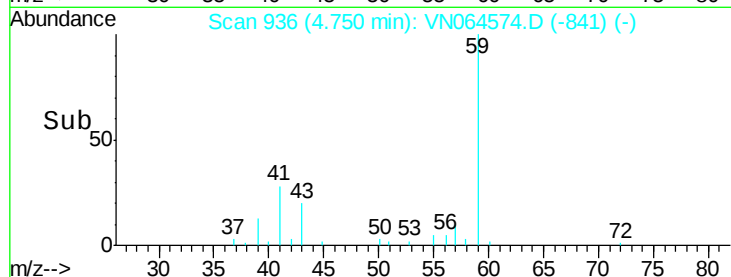
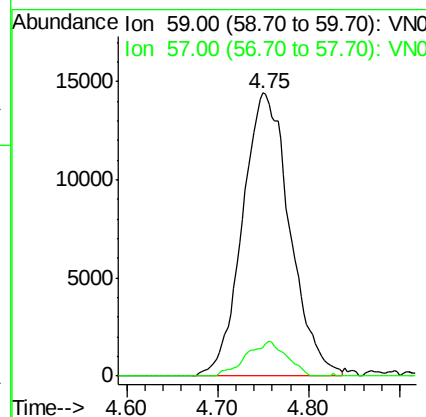
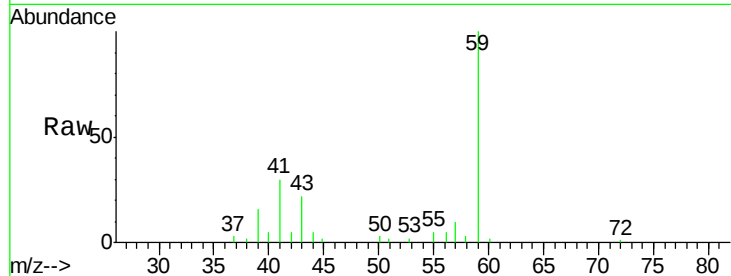
#11
Tert butyl alcohol
Concen: 92.763 ug/l
RT: 4.75 min Scan# 936
Delta R.T. 0.01 min
Lab File: VN064574.D
Acq: 12 Nov 2020 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100			
57	57	10.4	9.0	13.4	

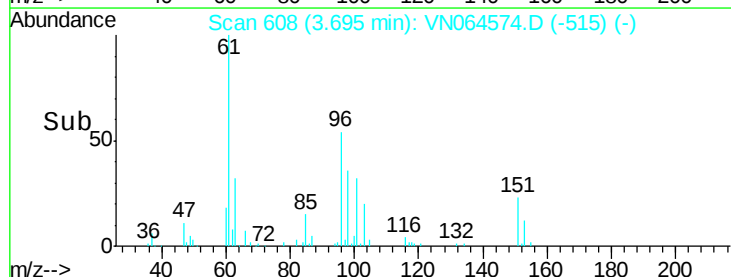
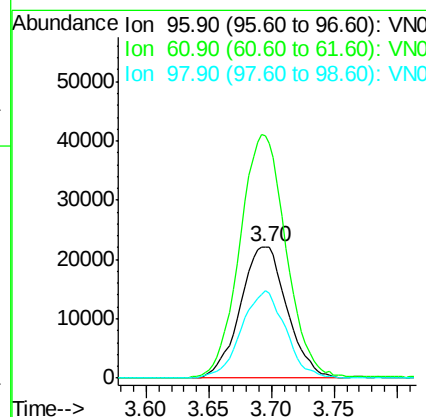
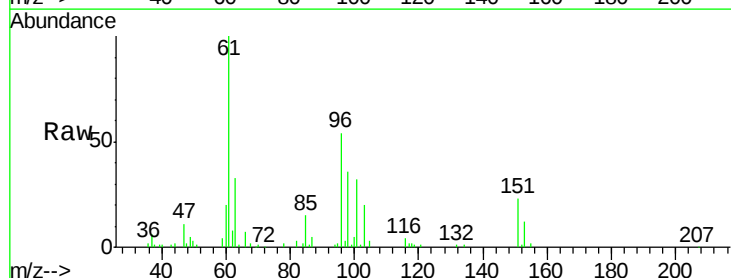
Manual Integrations
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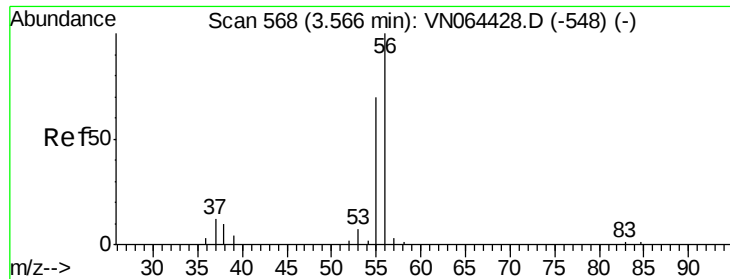
MMDadoda
11/13/2020 11:42:12 AM



#12
1,1-Dichloroethene
Concen: 18.294 ug/l
RT: 3.70 min Scan# 608
Delta R.T. -0.00 min
Lab File: VN064574.D
Acq: 12 Nov 2020 12:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100			
61	61	183.5	149.5	224.3	
98	98	66.4	52.4	78.6	





#13

Acrolein

Concen: 70.272 ug/l

RT: 3.57 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN064574.D

Acq: 12 Nov 2020 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBS01

Tot Ion: 56 Resp: 24489

Ion Ratio Lower Upper

56 100

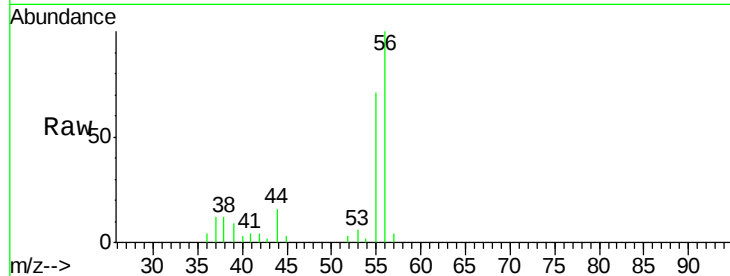
55 70.8 55.9 83.9

Manual Integrations

APPROVED

MMDadoda

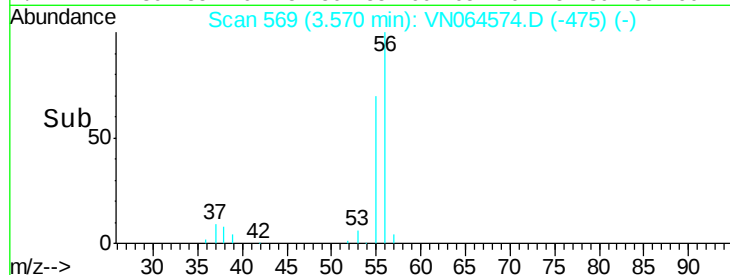
11/13/2020 11:42:12 AM



Abundance Ion 56.00 (55.70 to 56.70): VN064428.D (-548) (-)

Ion 55.00 (54.70 to 55.70): VN064428.D (-548) (-)

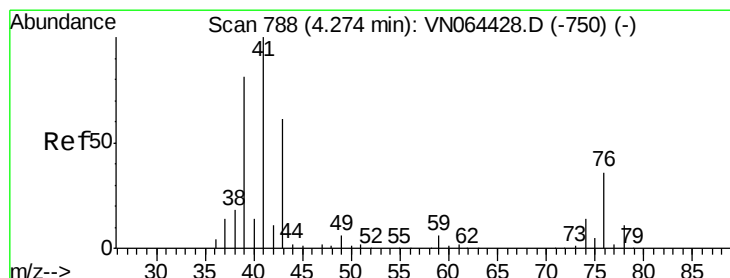
Time-->



Abundance Ion 56.00 (55.70 to 56.70): VN064574.D (-475) (-)

Ion 55.00 (54.70 to 55.70): VN064574.D (-475) (-)

Time-->



#14

Allyl chloride

Concen: 17.150 ug/l

RT: 4.28 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN064574.D

Acq: 12 Nov 2020 12:18

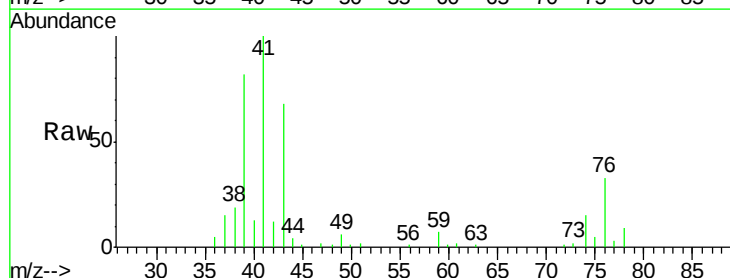
Tgt Ion: 41 Resp: 104939

Ion Ratio Lower Upper

41 100

39 79.6 61.8 92.8

76 31.2 25.4 38.0

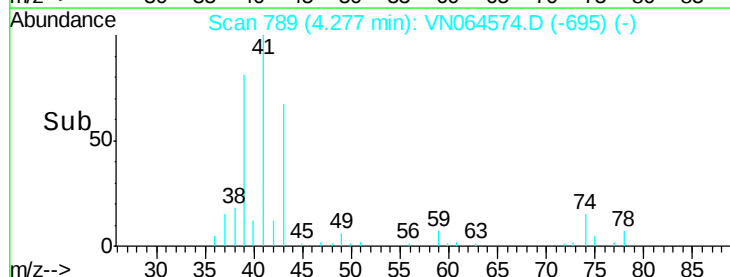


Abundance Ion 41.00 (40.70 to 41.70): VN064428.D (-750) (-)

Ion 39.00 (38.70 to 39.70): VN064428.D (-750) (-)

Ion 75.90 (75.60 to 76.60): VN064428.D (-750) (-)

Time-->

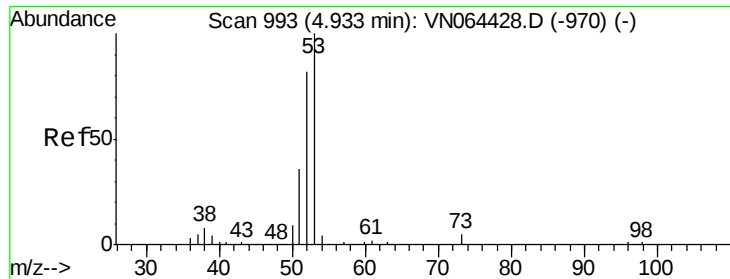


Abundance Ion 41.00 (40.70 to 41.70): VN064574.D (-695) (-)

Ion 39.00 (38.70 to 39.70): VN064574.D (-695) (-)

Ion 75.90 (75.60 to 76.60): VN064574.D (-695) (-)

Time-->



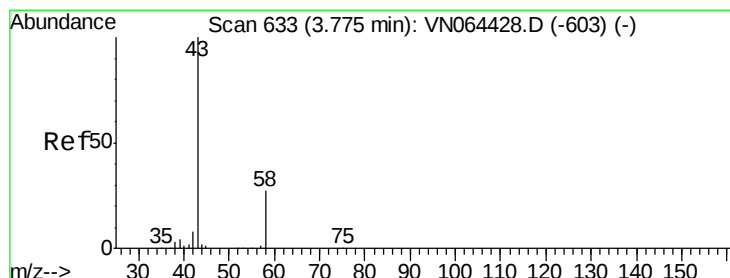
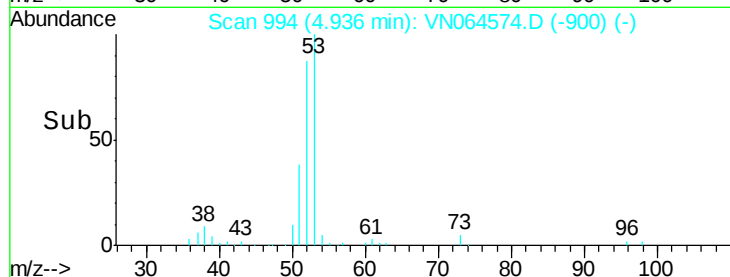
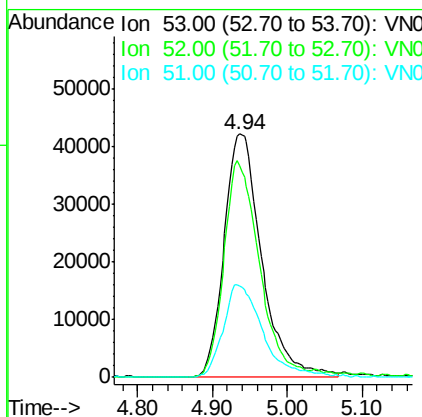
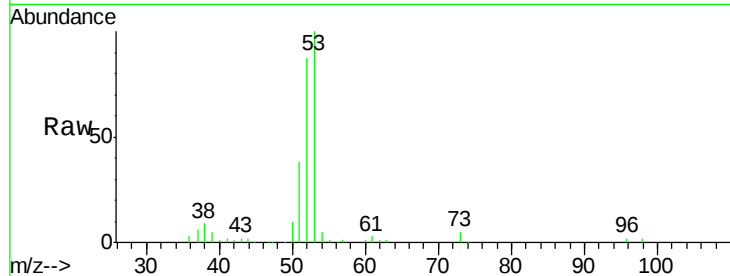
#15
 Acrylonitrile
 Concen: 94.231 ug/l
 RT: 4.94 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VN064574.D
 Acq: 12 Nov 2020 12:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112WBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	83.7	65.6	98.4
51	40.0	29.9	44.9

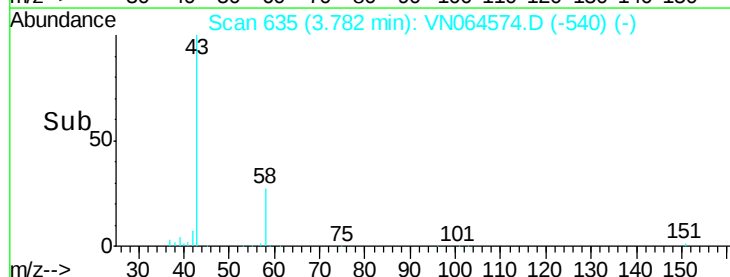
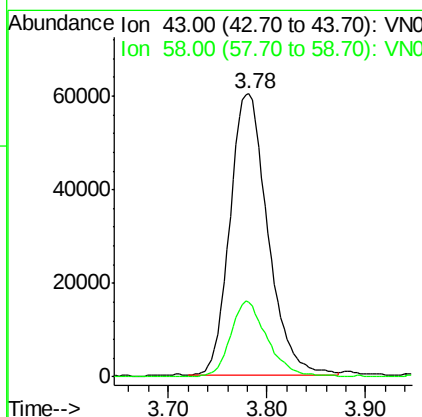
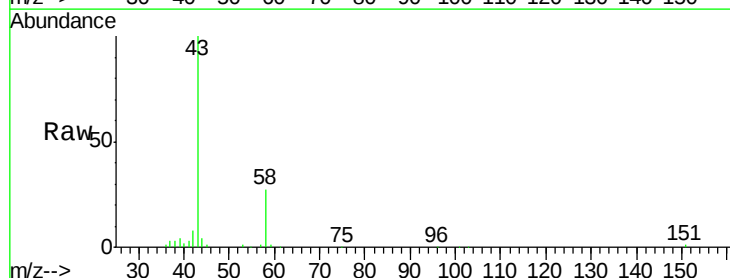
Manual Integrations
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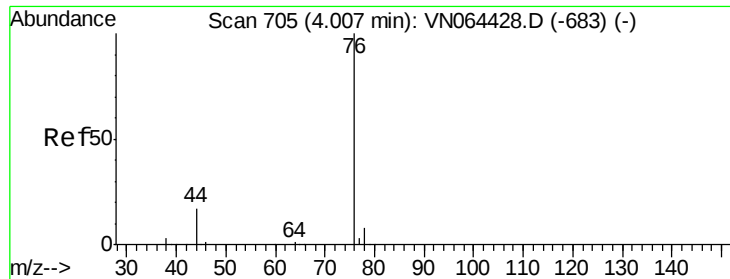
MMDadoda
 11/13/2020 11:42:12 AM



#16
 Acetone
 Concen: 82.705 ug/l
 RT: 3.78 min Scan# 635
 Delta R.T. 0.01 min
 Lab File: VN064574.D
 Acq: 12 Nov 2020 12:18

Tgt Ion	Ratio	Lower	Upper
43	100		
58	26.7	21.4	32.0





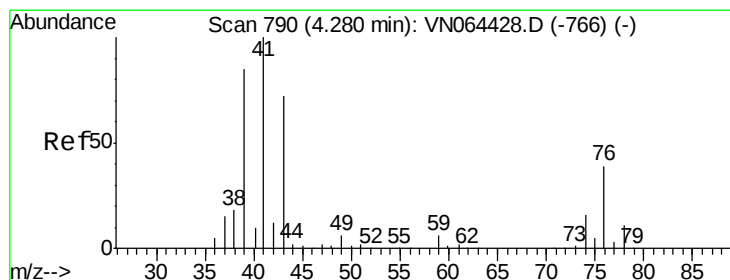
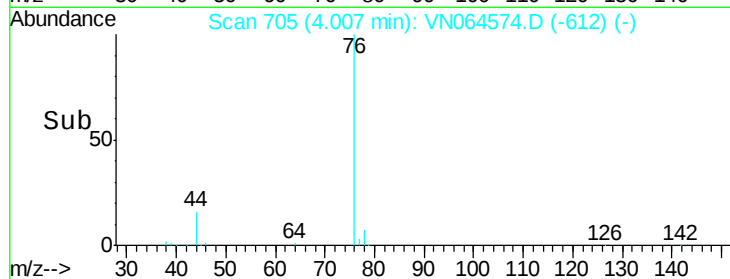
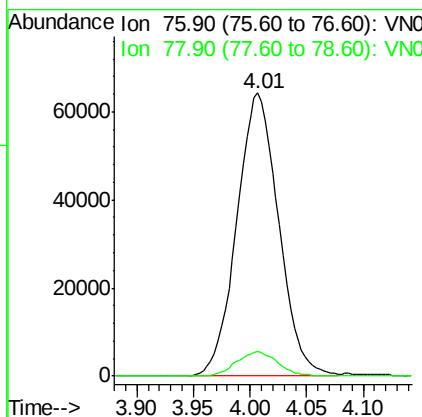
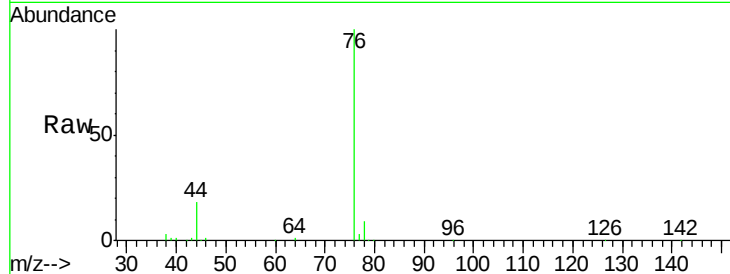
#17
Carbon Disulfide
Concen: 17.681 ug/l
RT: 4.01 min Scan# 705
Delta R.T. -0.00 min
Lab File: VN064574.D
Acq: 12 Nov 2020 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	6.8	10.2

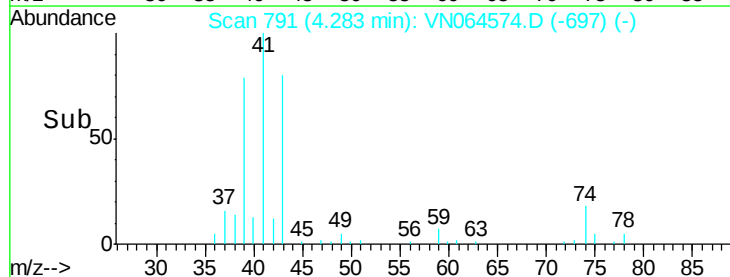
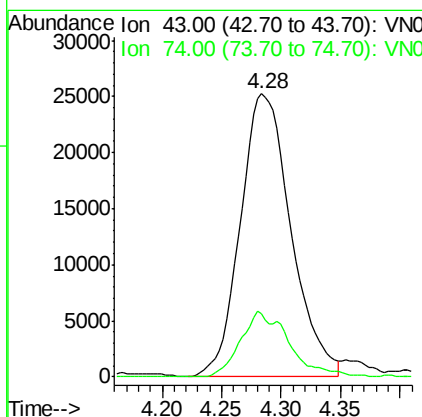
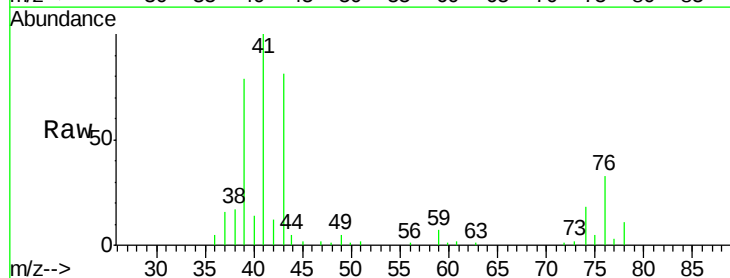
Manual Integrations
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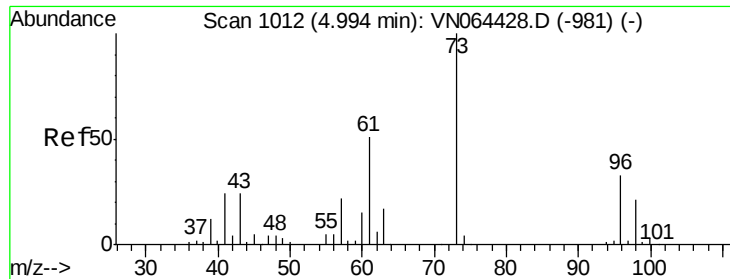
MMDadoda
11/13/2020 11:42:12 AM



#18
Methyl Acetate
Concen: 19.523 ug/l
RT: 4.28 min Scan# 791
Delta R.T. 0.00 min
Lab File: VN064574.D
Acq: 12 Nov 2020 12:18

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.3	17.0	25.4





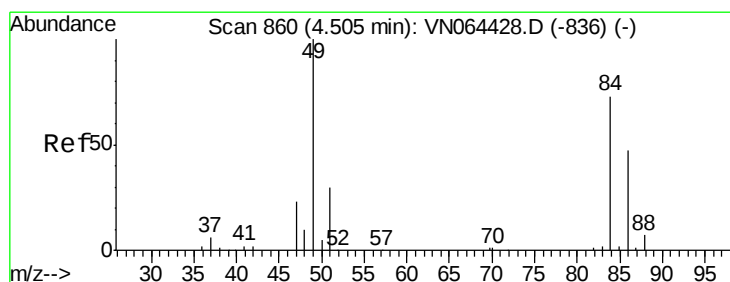
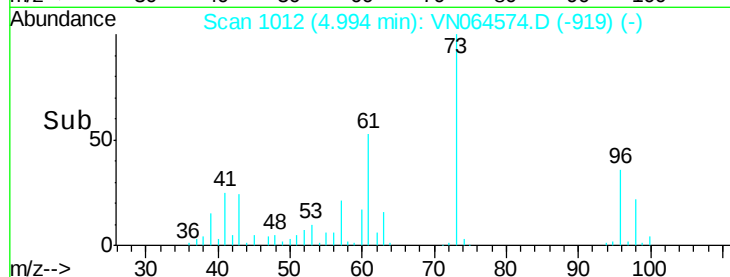
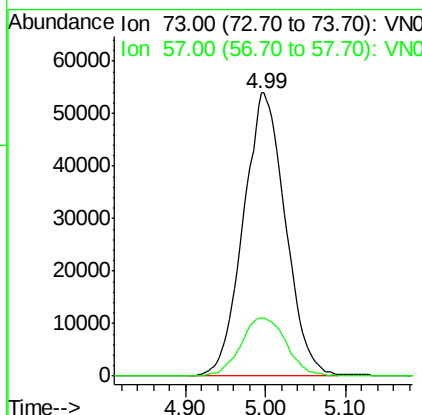
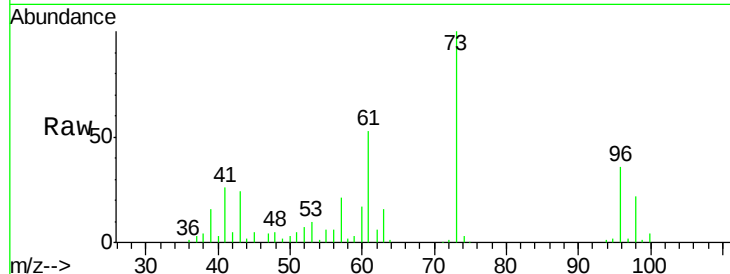
#19
Methvl tert-butvl Ether
Concen: 17.259 ug/l
RT: 4.99 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VN064574.D
Acq: 12 Nov 2020 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBS01

Tot Ion: 73 Resp: 194304
Ion Ratio Lower Upper
73 100
57 20.6 17.7 26.5

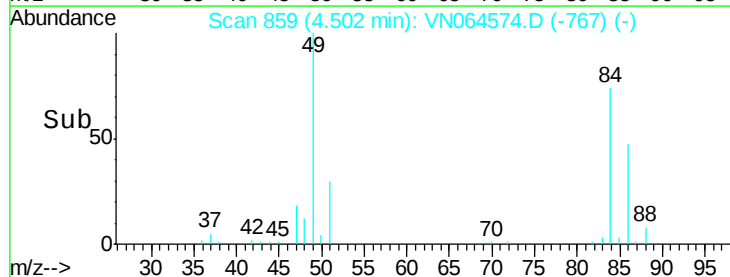
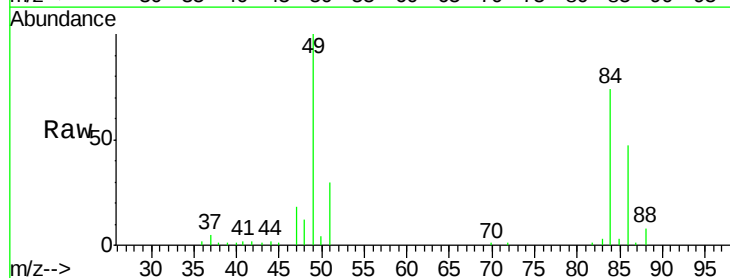
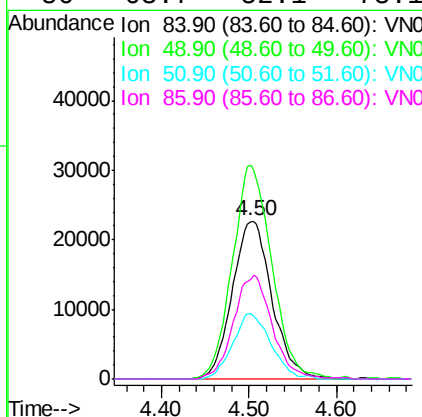
Manual Integrations
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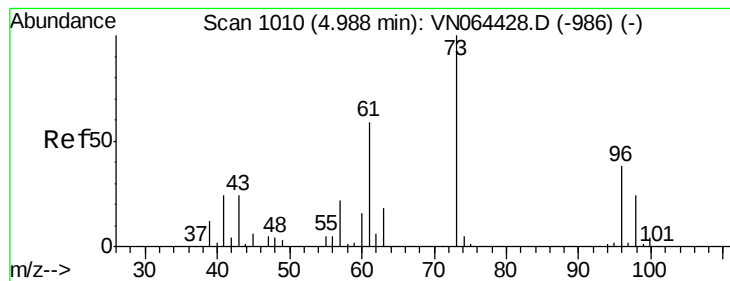
MMDadoda
11/13/2020 11:42:12 AM



#20
Methylene Chloride
Concen: 18.565 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN064574.D
Acq: 12 Nov 2020 12:18

Tgt Ion: 84 Resp: 71482
Ion Ratio Lower Upper
84 100
49 135.4 110.1 165.1
51 41.2 33.6 50.4
86 63.7 52.1 78.1





#21

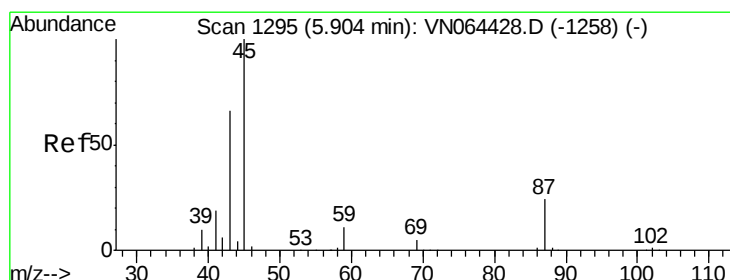
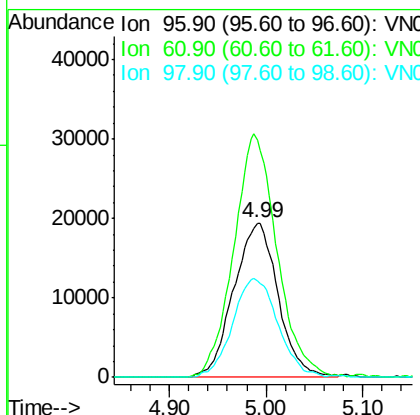
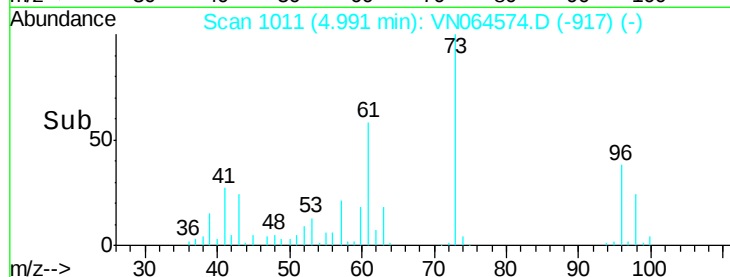
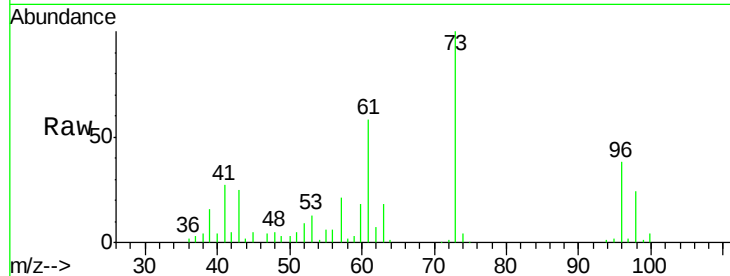
trans-1,2-Dichloroethene
Concen: 17.382 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN064574.D
Acq: 12 Nov 2020 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	154.1	122.4	183.6
98	62.6	50.4	75.6

Manual Integrations
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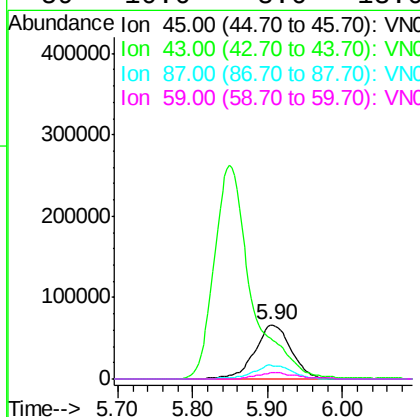
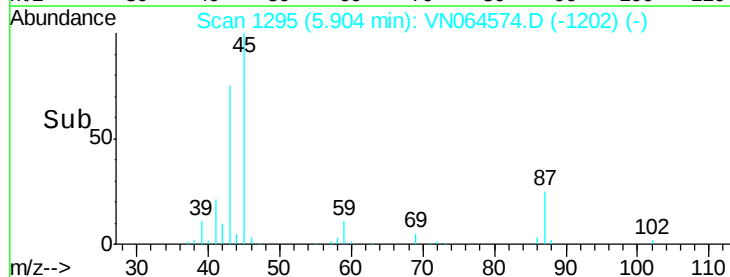
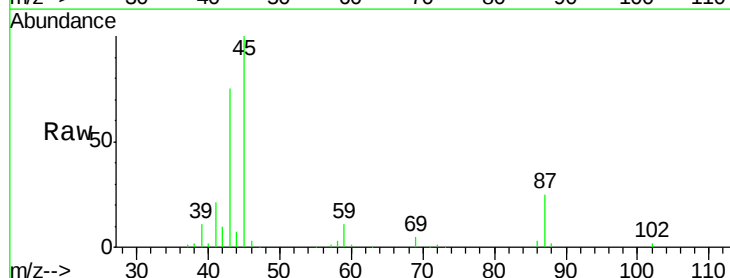
MMDadoda
11/13/2020 11:42:12 AM

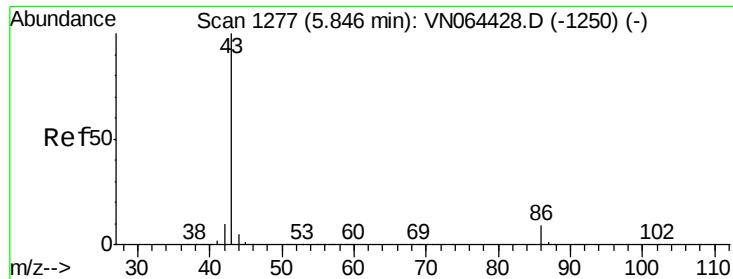


#22

Diisopropyl ether
Concen: 17.399 ug/l
RT: 5.90 min Scan# 1295
Delta R.T. -0.00 min
Lab File: VN064574.D
Acq: 12 Nov 2020 12:18

Tgt Ion	Ratio	Lower	Upper
45	100		
43	72.2	53.2	79.8
87	25.4	19.9	29.9
59	10.6	8.6	13.0





#23

Vinyl Acetate

Concen: 85.186 ug/l

RT: 5.85 min Scan# 1278

Delta R.T. 0.00 min

Lab File: VN064574.D

Acq: 12 Nov 2020 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBS01

Tot Ion: 43 Resp: 900122

Ion Ratio Lower Upper

43 100

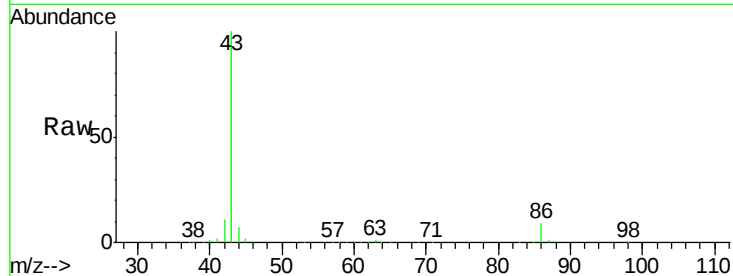
86 9.2 6.8 10.2

Manual Integrations

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MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.85

250000

200000

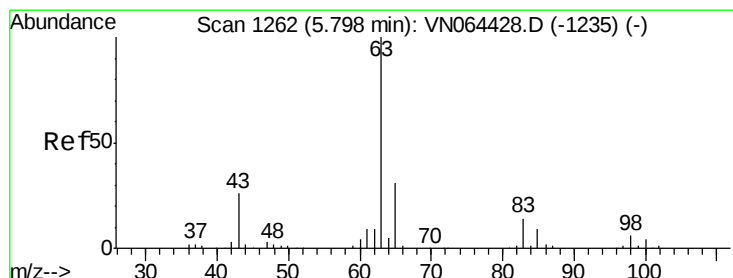
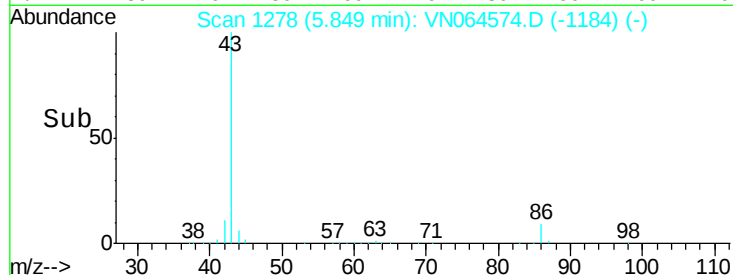
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 17.798 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VN064574.D

Acq: 12 Nov 2020 12:18

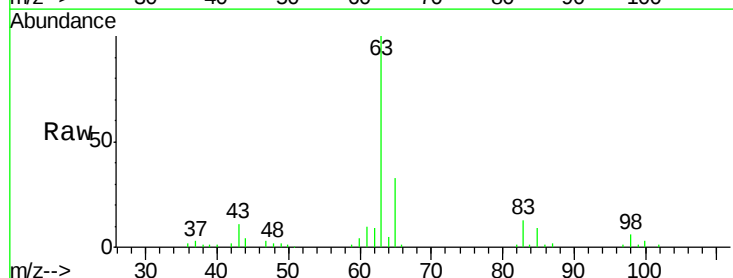
Tgt Ion: 63 Resp: 127036

Ion Ratio Lower Upper

63 100

98 6.0 3.0 9.2

100 3.4 1.8 5.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

5.80

50000

40000

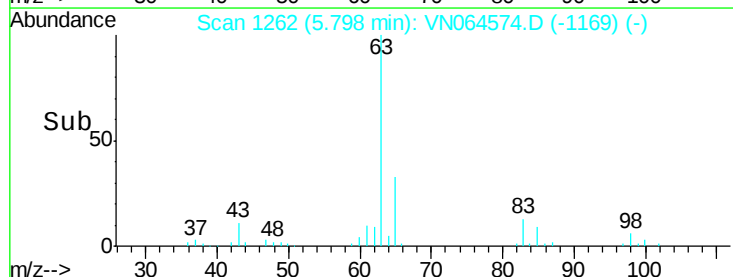
30000

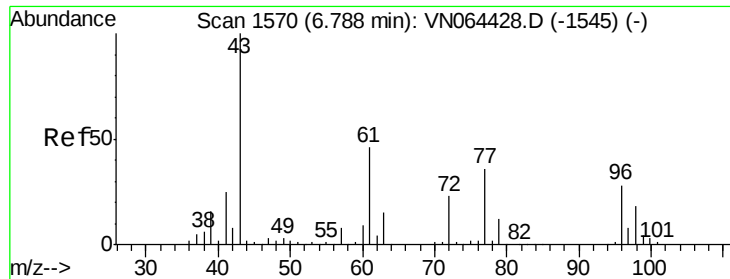
20000

10000

0

Time-->





#25

2-Butanone

Concen: 87.454 ug/l

RT: 6.79 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN064574.D

Acq: 12 Nov 2020 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBS01

Tot Ion: 43 Resp: 216239

Ion Ratio Lower Upper

43 100

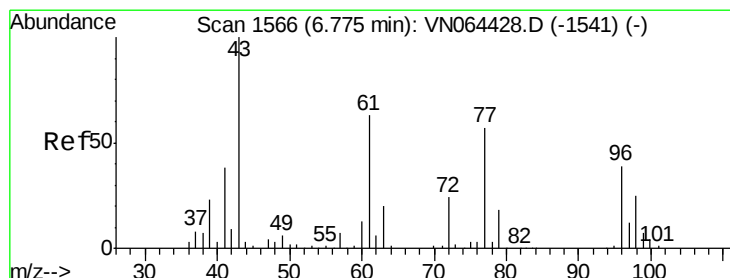
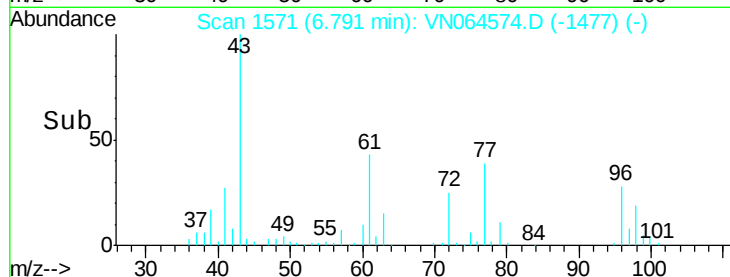
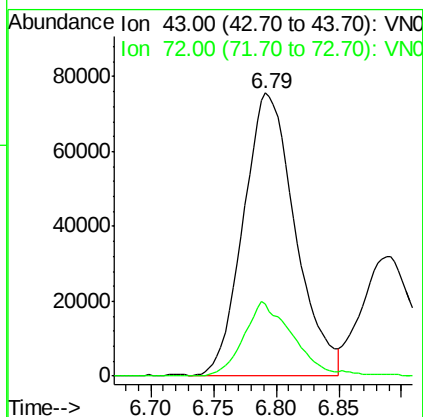
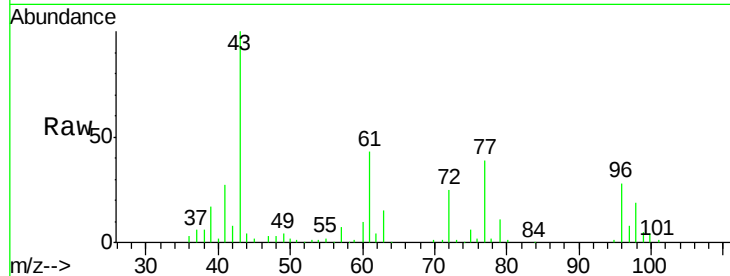
72 25.4 18.5 27.7

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#26

2,2-Dichloropropane

Concen: 17.998 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN064574.D

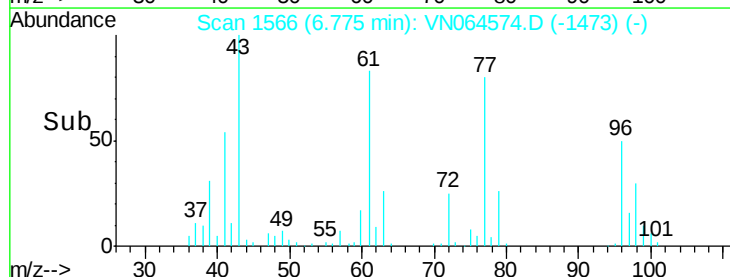
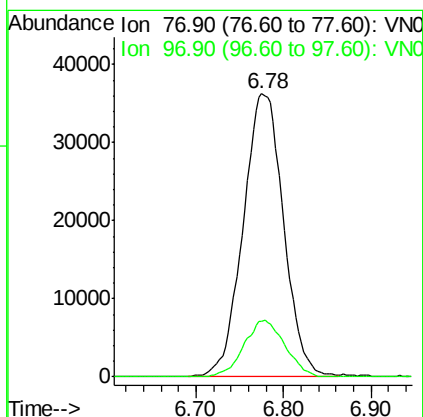
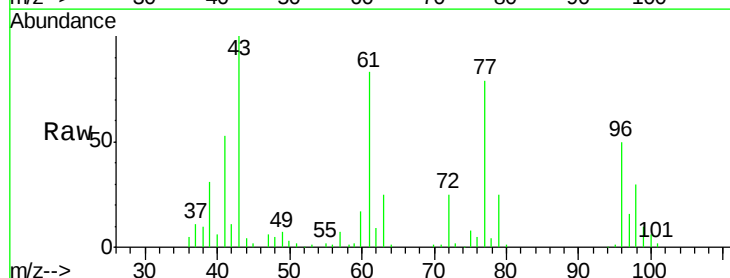
Acq: 12 Nov 2020 12:18

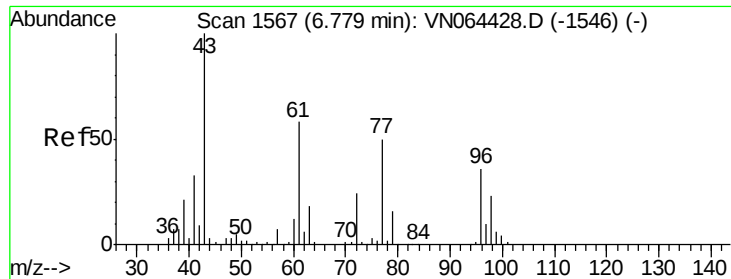
Tgt Ion: 77 Resp: 116287

Ion Ratio Lower Upper

77 100

97 20.3 10.2 30.6





#27

cis-1,2-Dichloroethene

Concen: 17.093 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN064574.D

Acq: 12 Nov 2020 12:18

Instrument :

MSVOA_N

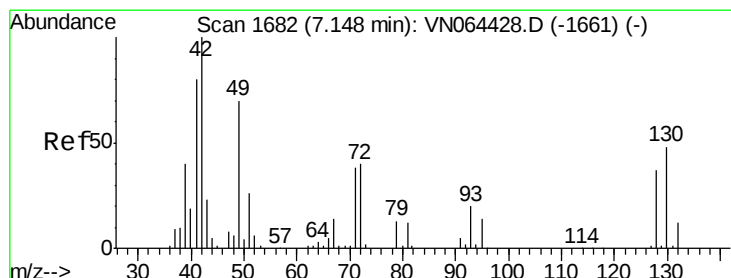
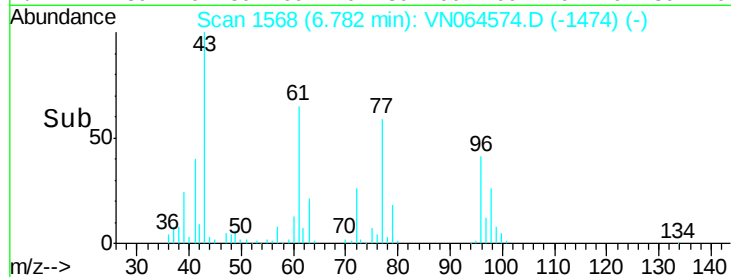
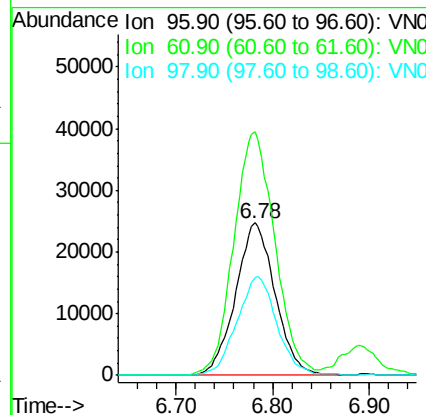
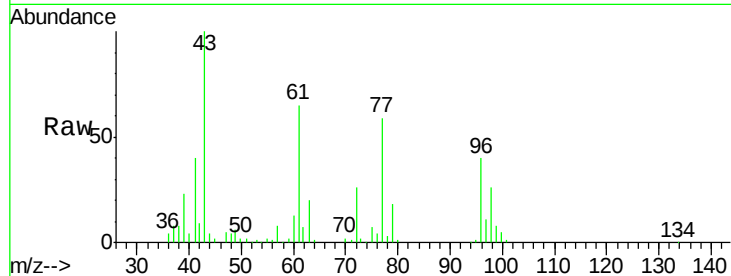
ClientSampleId :

VN1112WBS01

Tot Ion:	96	Resp:	70346
Ion	Ratio	Lower	Upper
96	100		
61	164.9	0.0	329.6
98	65.0	0.0	131.2

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#28

Bromochloromethane

Concen: 17.204 ug/l

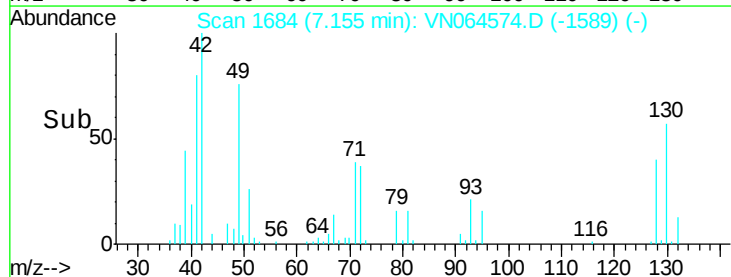
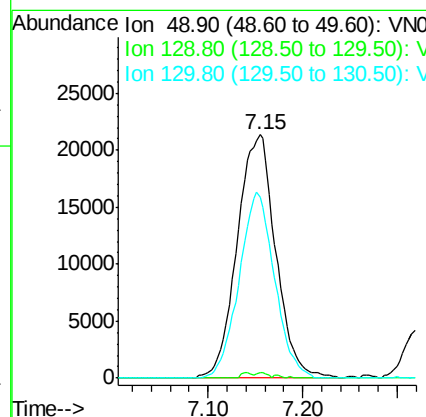
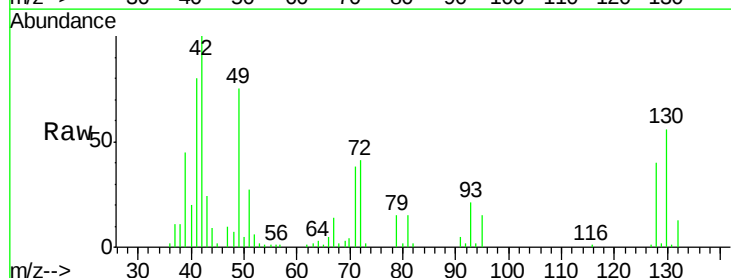
RT: 7.15 min Scan# 1684

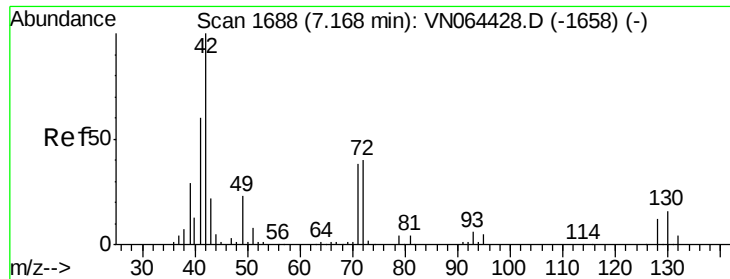
Delta R.T. 0.01 min

Lab File: VN064574.D

Acq: 12 Nov 2020 12:18

Tgt Ion:	49	Resp:	60357
Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	3.6
130	70.2	54.2	81.4





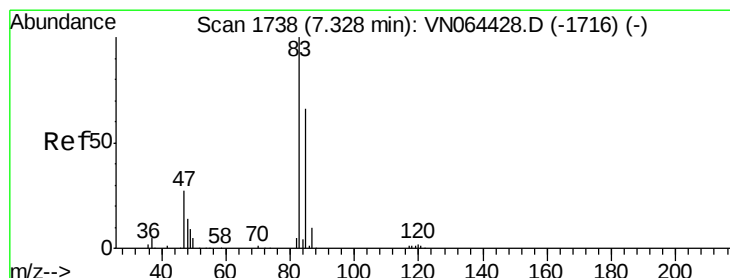
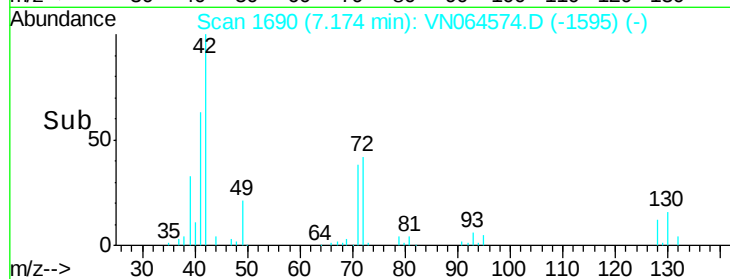
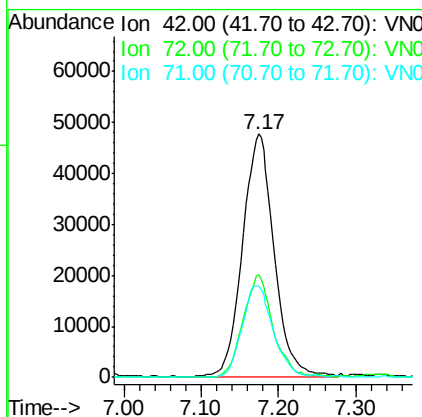
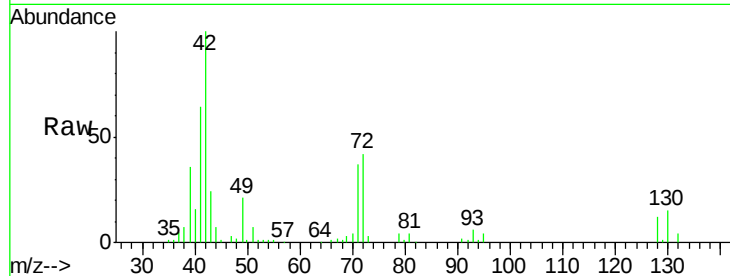
#29
Tetrahydrofuran
Concen: 90.132 ug/l
RT: 7.17 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VN064574.D
Acq: 12 Nov 2020 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.6	31.7	47.5
71	36.8	29.8	44.6

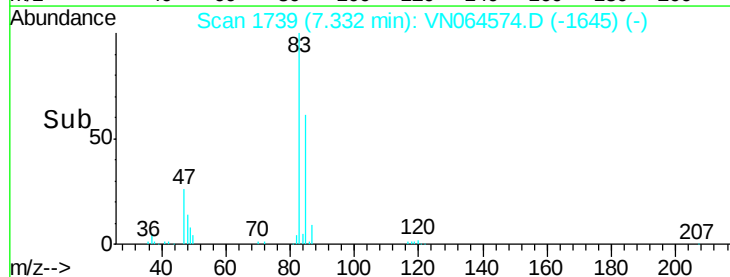
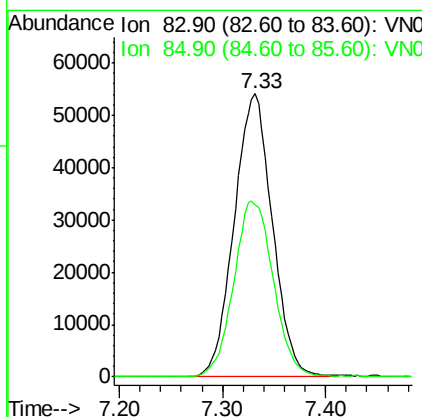
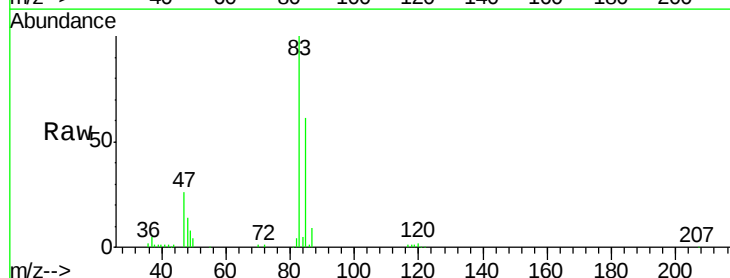
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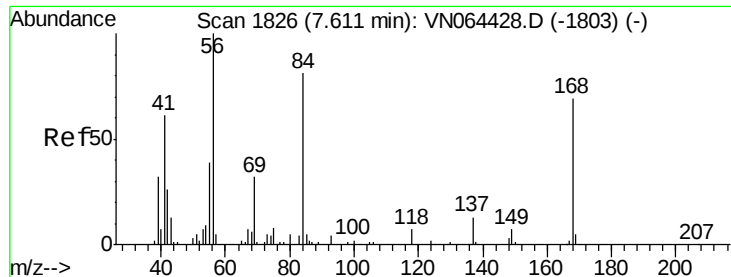
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#30
Chloroform
Concen: 18.585 ug/l
RT: 7.33 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VN064574.D
Acq: 12 Nov 2020 12:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.4	52.5	78.7





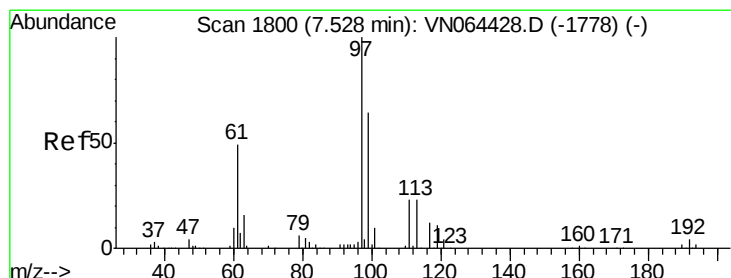
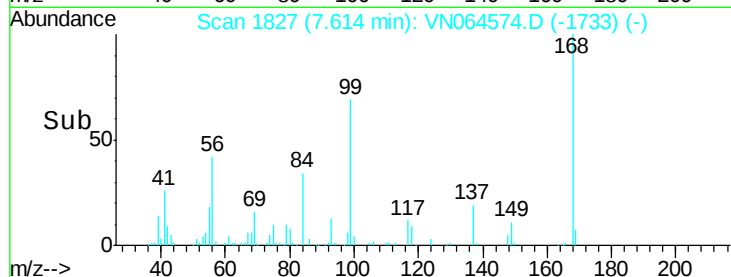
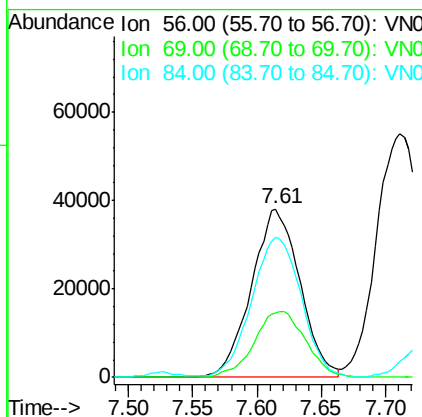
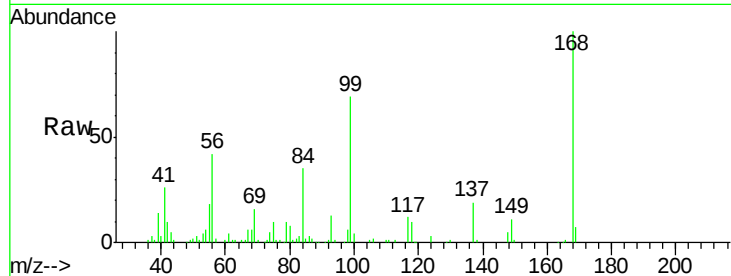
#31
Cyclohexane
Concen: 16.150 ug/l
RT: 7.61 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN064574.D
Acq: 12 Nov 2020 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.3	25.6	38.4
84	81.6	63.0	94.6

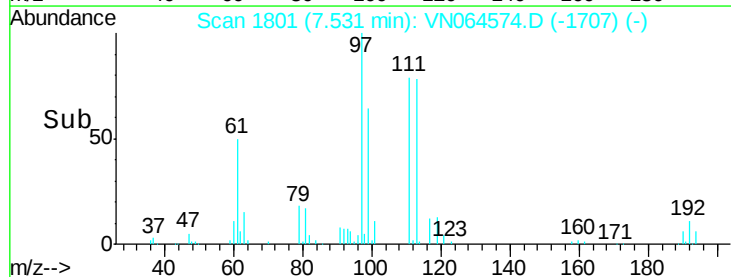
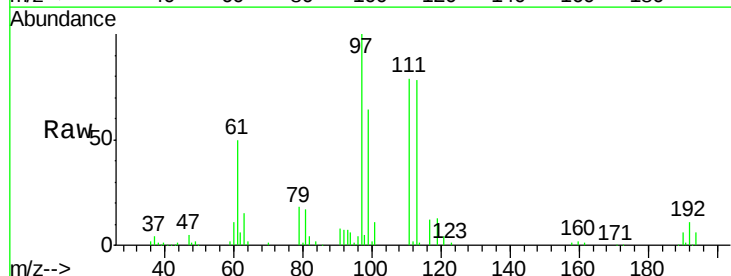
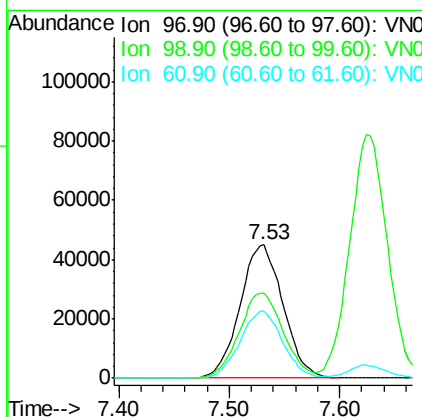
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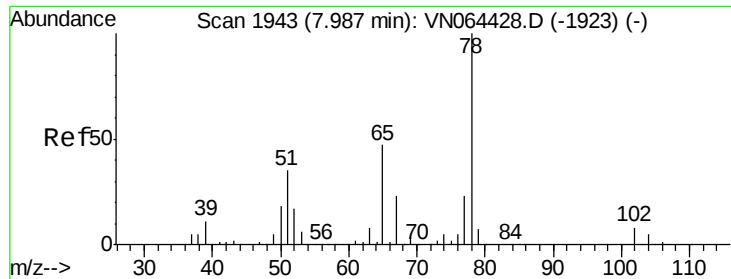
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#32
1,1,1-Trichloroethane
Concen: 18.209 ug/l
RT: 7.53 min Scan# 1801
Delta R.T. 0.00 min
Lab File: VN064574.D
Acq: 12 Nov 2020 12:18

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.7	51.3	76.9
61	49.7	39.1	58.7





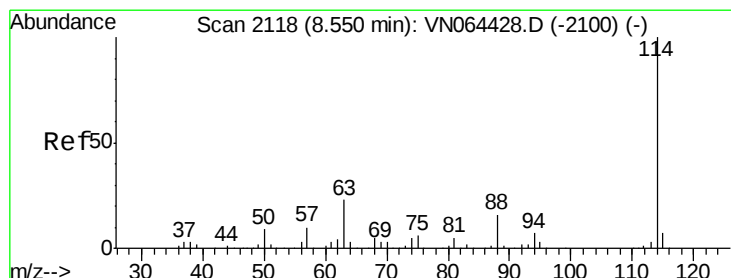
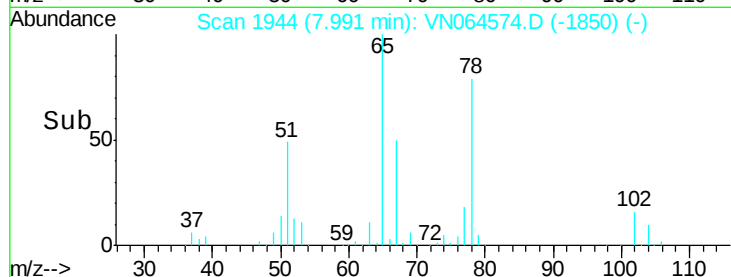
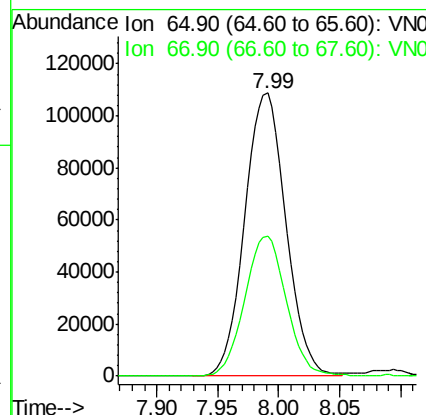
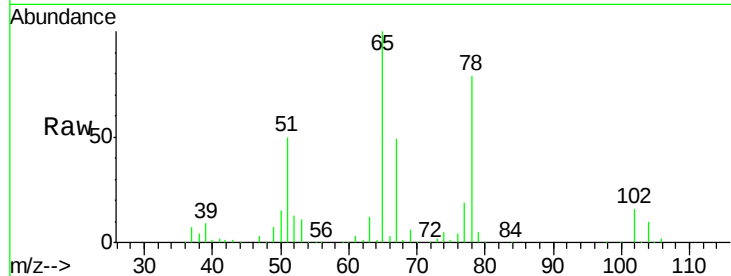
#33
 1,2-Dichloroethane-d4
 Concen: 49.859 ug/l
 RT: 7.99 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN064574.D
 Acq: 12 Nov 2020 12:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112WBS01

Tot Ion: 65 Resp: 254007
 Ion Ratio Lower Upper
 65 100
 67 50.0 0.0 101.6

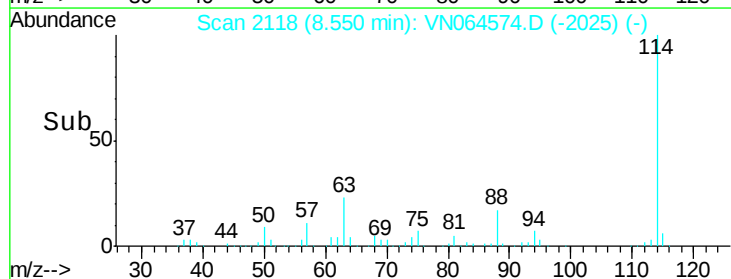
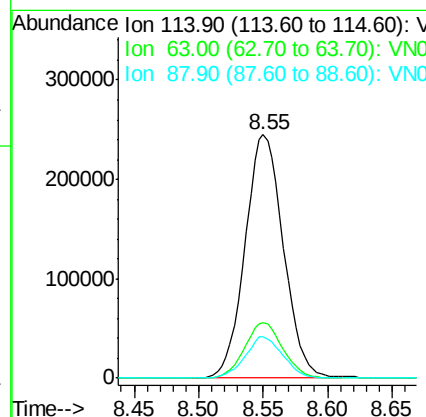
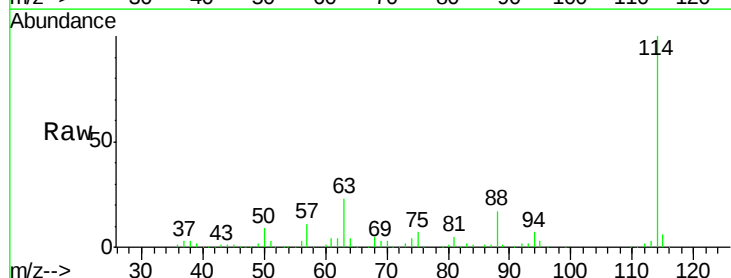
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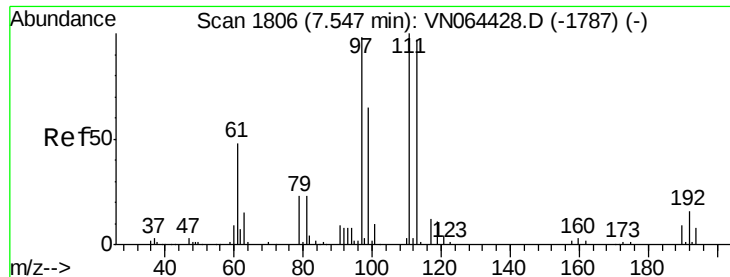
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN064574.D
 Acq: 12 Nov 2020 12:18

Tgt Ion: 114 Resp: 507178
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 45.6
 88 17.1 0.0 32.8





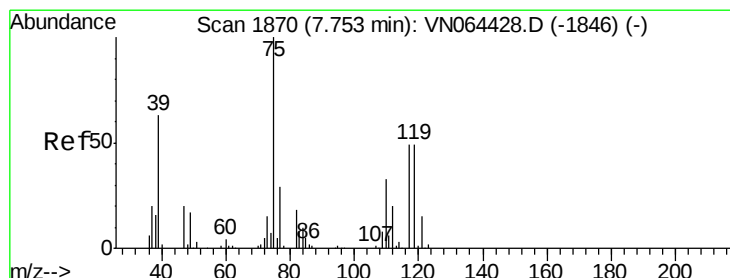
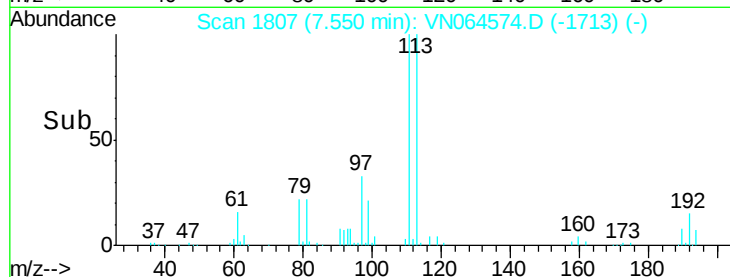
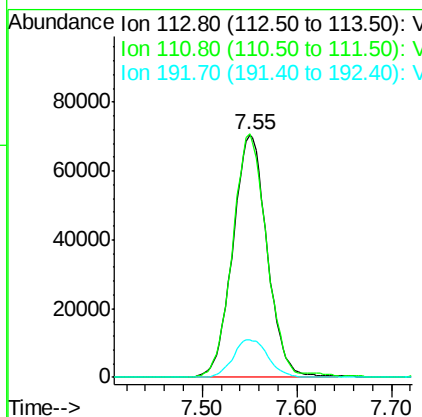
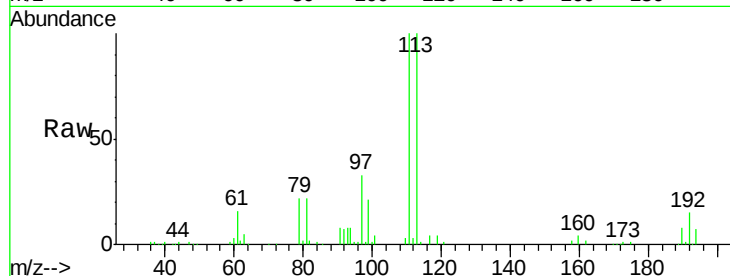
#35
Dibromofluoromethane
Concen: 51.370 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN064574.D
Acq: 12 Nov 2020 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	177390		
111	99.8	81.1	121.7	
192	15.8	12.8	19.2	

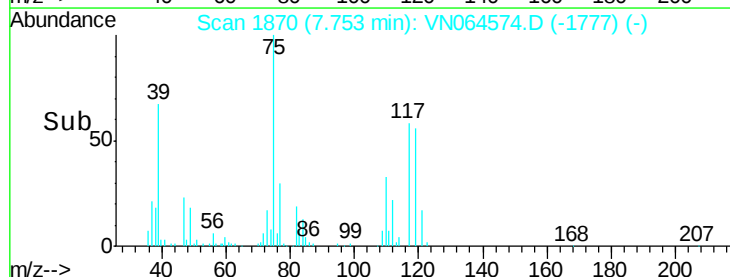
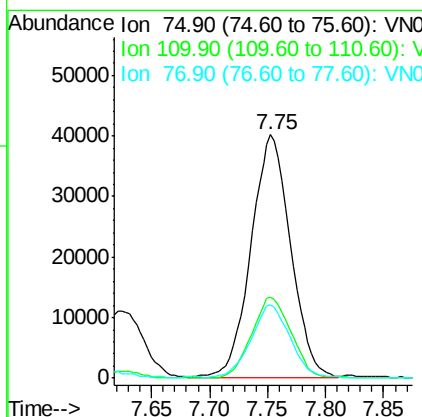
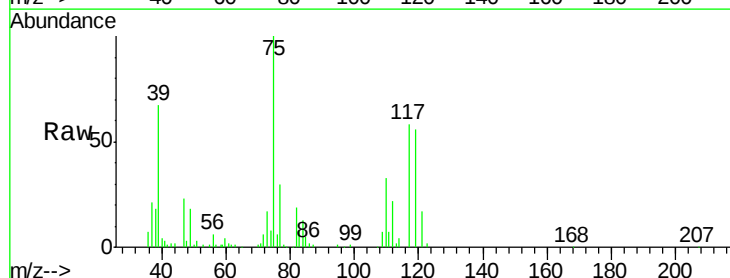
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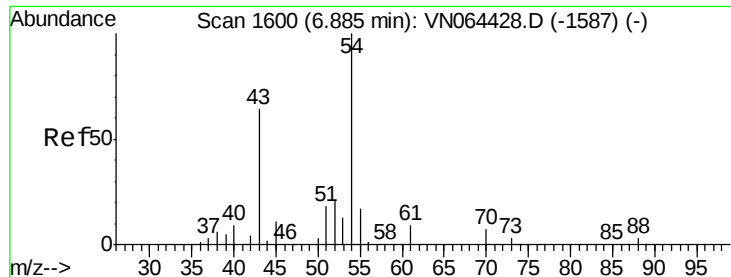
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#36
1,1-Dichloropropene
Concen: 17.683 ug/l
RT: 7.75 min Scan# 1870
Delta R.T. -0.00 min
Lab File: VN064574.D
Acq: 12 Nov 2020 12:18

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	94747		
110	33.3	16.0	48.0	
77	30.3	24.0	36.0	





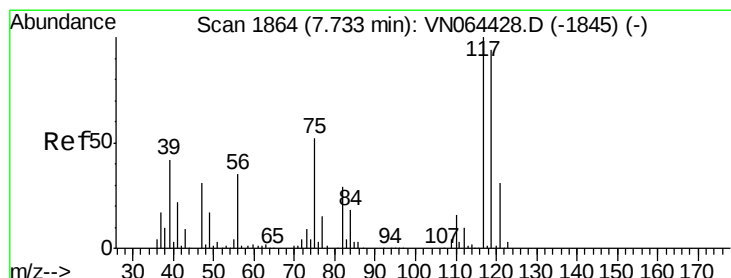
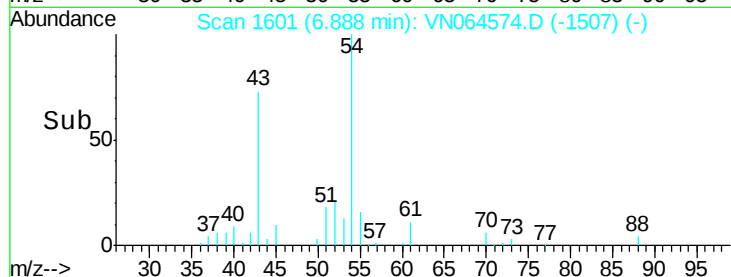
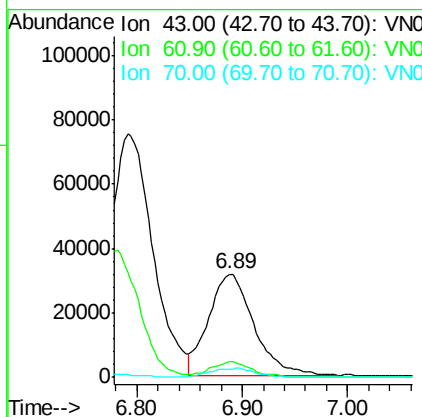
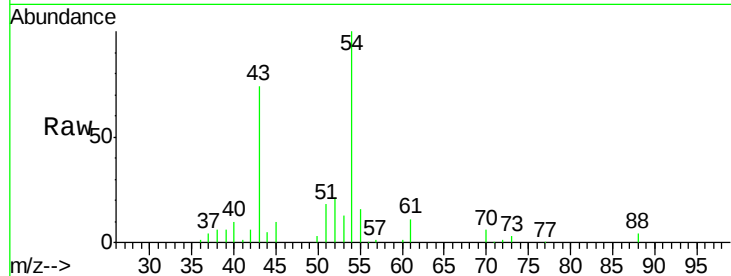
#37
Ethyl Acetate
Concen: 17.839 ug/l
RT: 6.89 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VN064574.D
Acq: 12 Nov 2020 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBS01

Tot Ion	43	61	70
Resp	94301	13.5	3.7
Lower		10.0	7.1
Upper		15.0	10.7

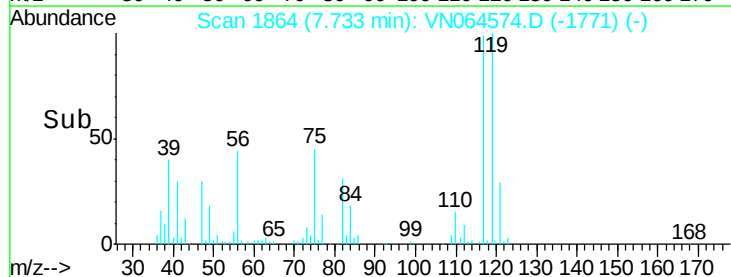
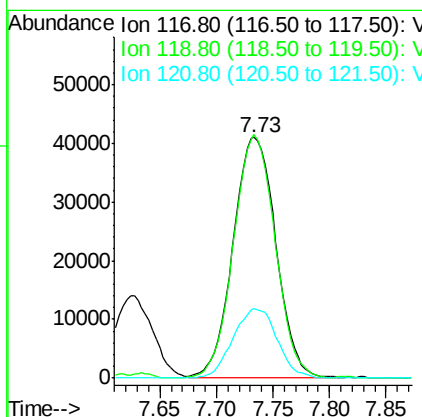
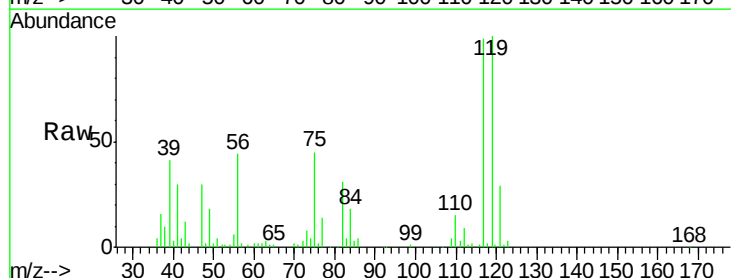
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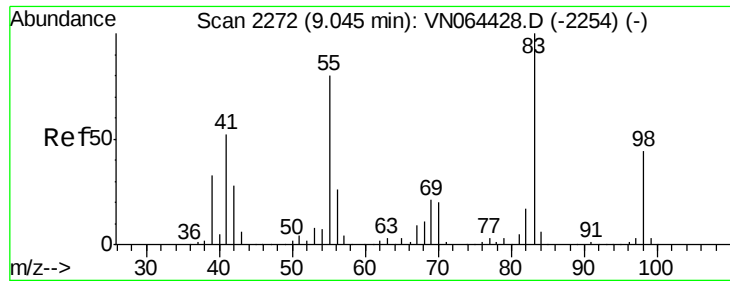
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#38
Carbon Tetrachloride
Concen: 18.949 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN064574.D
Acq: 12 Nov 2020 12:18

Tgt Ion	117	119	121
Resp	108509	100.6	28.9
Lower		75.5	24.4
Upper		113.3	36.6





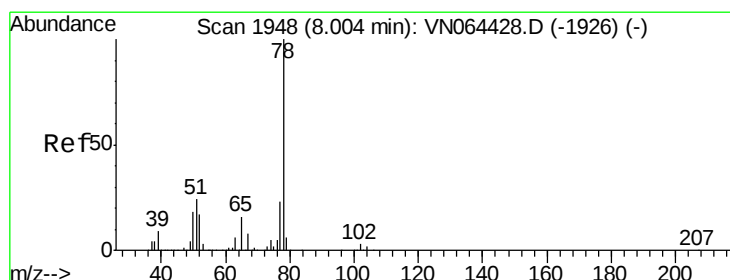
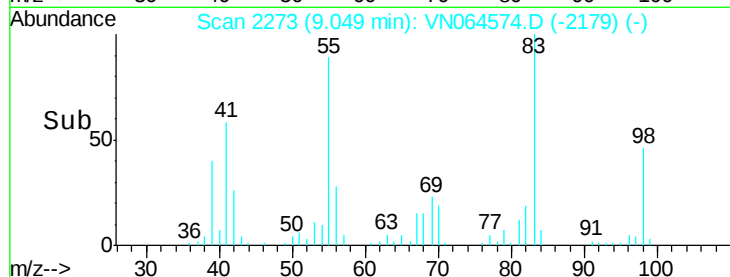
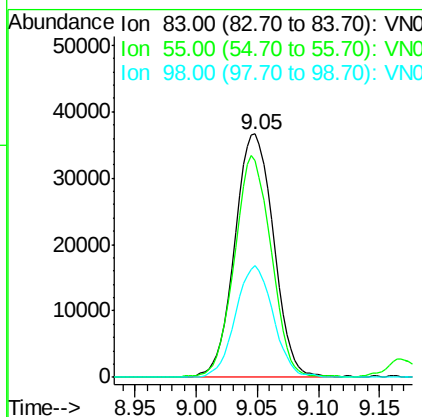
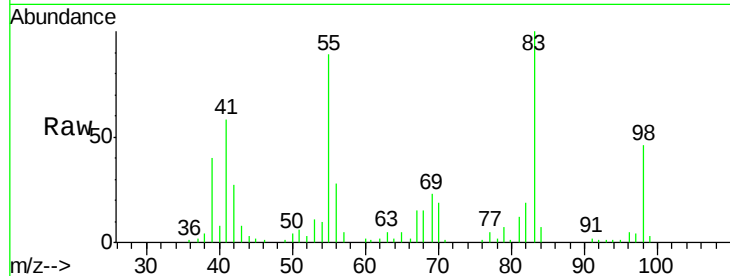
#39
Methvlcvclohexane
Concen: 16.813 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN064574.D
Acq: 12 Nov 2020 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	88.5	63.8	95.6
98	45.9	35.4	53.2

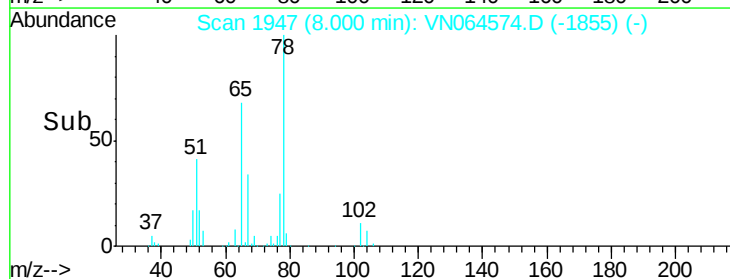
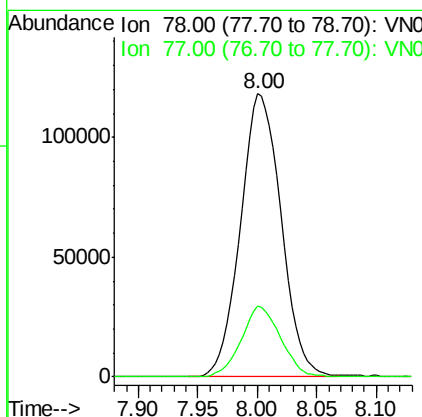
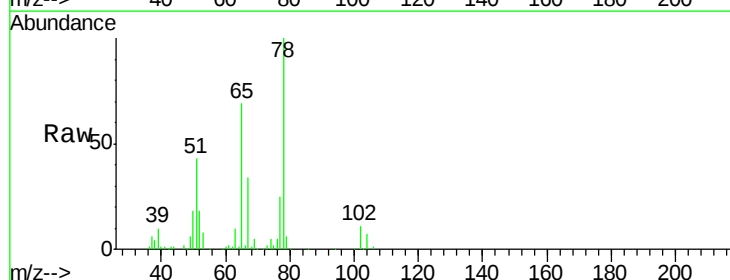
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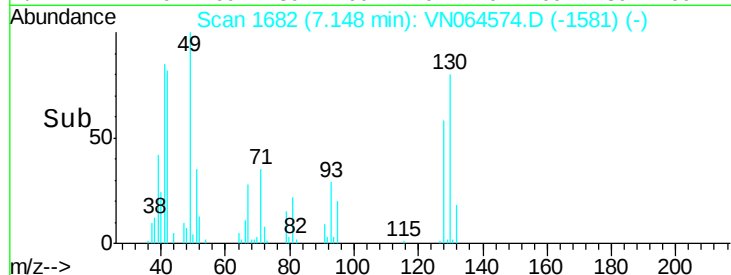
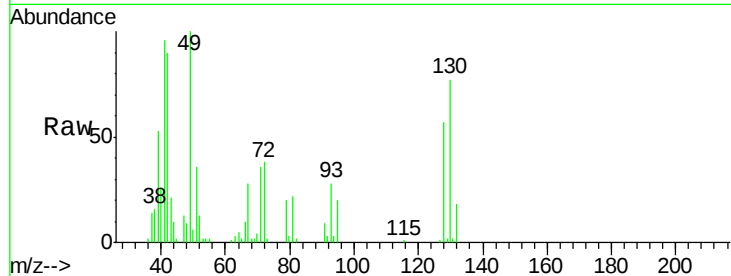
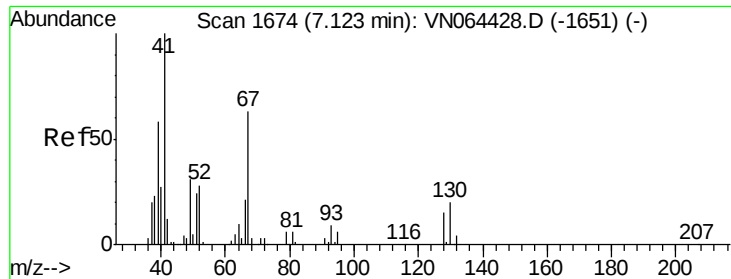
MMDadoda
11/13/2020 11:42:12 AM



#40
Benzene
Concen: 17.780 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN064574.D
Acq: 12 Nov 2020 12:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.9	18.7	28.1





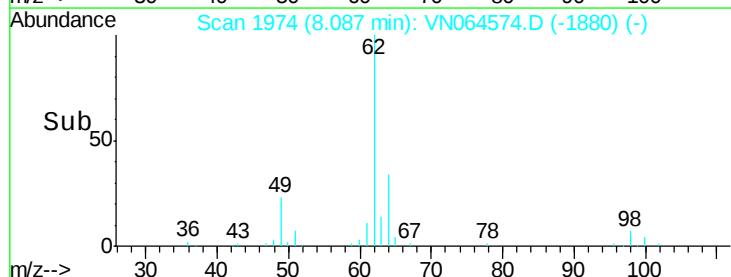
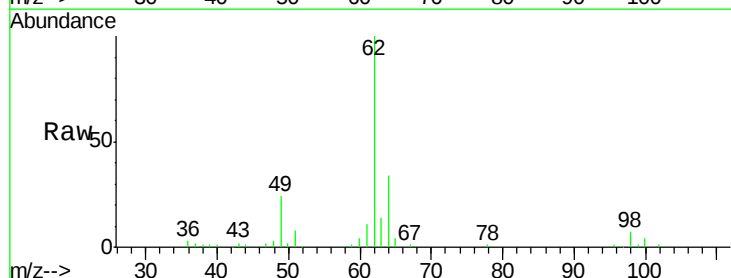
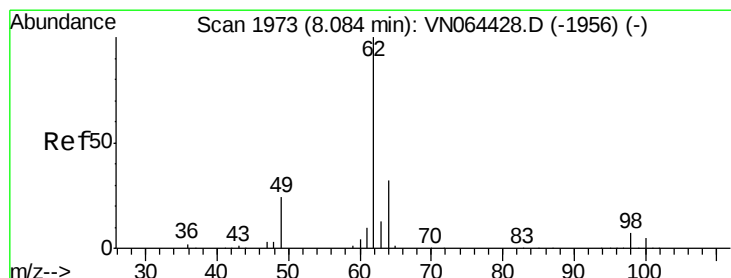
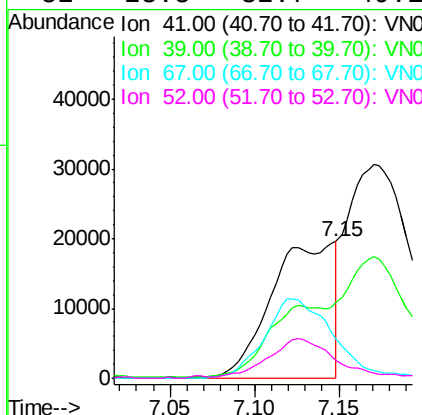
#41
Methacrylonitrile
Concen: 21.527 ug/l m
RT: 7.15 min Scan# 1682
Delta R.T. 0.03 min
Lab File: VN064574.D
Acq: 12 Nov 2020 12:18

Tot Ion	Ratio	Lower	Upper
41	100		
39	46.2	50.0	75.0#
67	63.0	68.3	102.5#
52	28.5	32.7	49.1#

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBS01

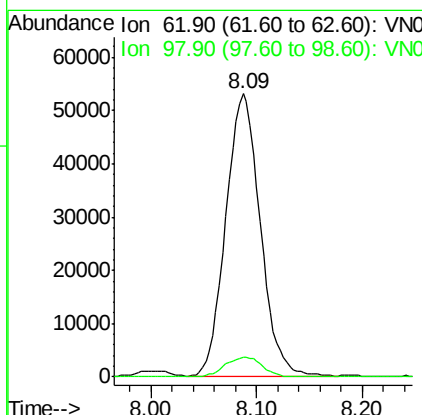
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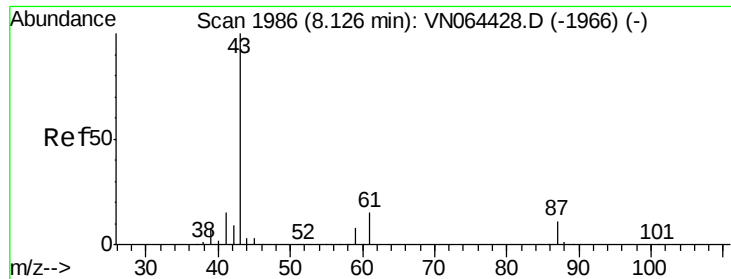
MMDadoda
11/13/2020 11:42:12 AM



#42
1,2-Dichloroethane
Concen: 18.808 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN064574.D
Acq: 12 Nov 2020 12:18

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.5	0.0	14.0





#43

Isopropyl Acetate

Concen: 17.832 ug/l

RT: 8.13 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN064574.D

Acq: 12 Nov 2020 12:18

Instrument :

MSVOA_N

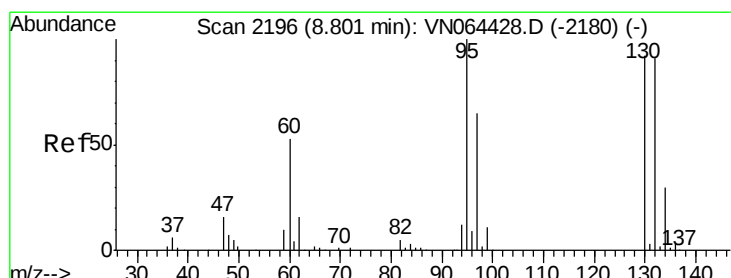
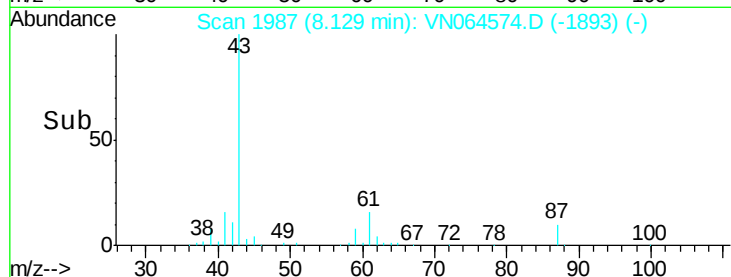
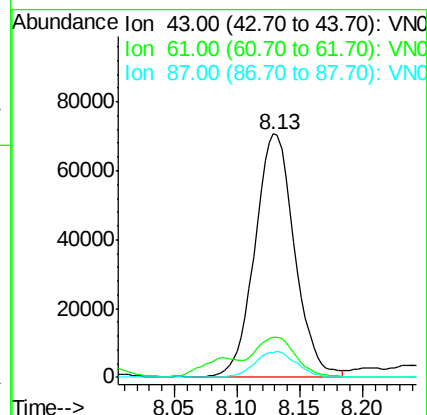
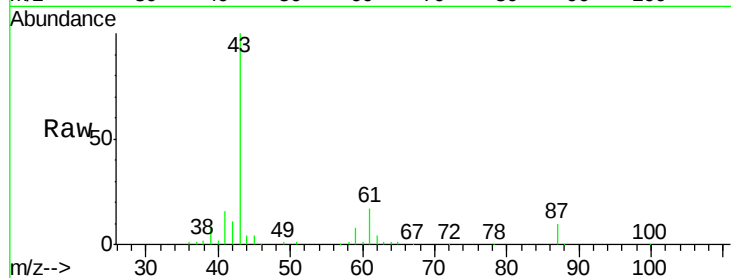
ClientSampleId :

VN1112WBS01

Tot Ion:	43	Resp:	154837
Ion	Ratio	Lower	Upper
43	100		
61	17.5	14.0	21.0
87	11.1	9.1	13.7

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#44

Trichloroethene

Concen: 18.283 ug/l

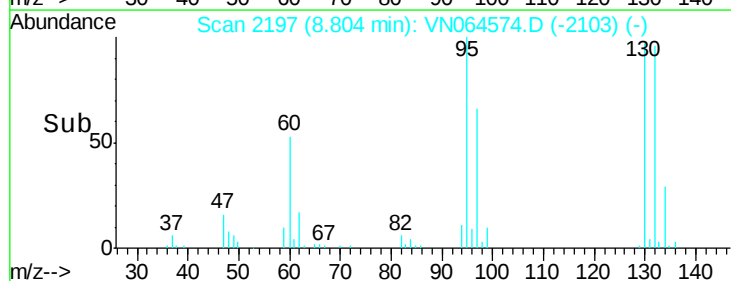
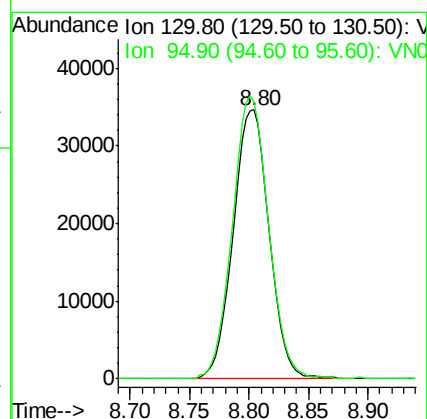
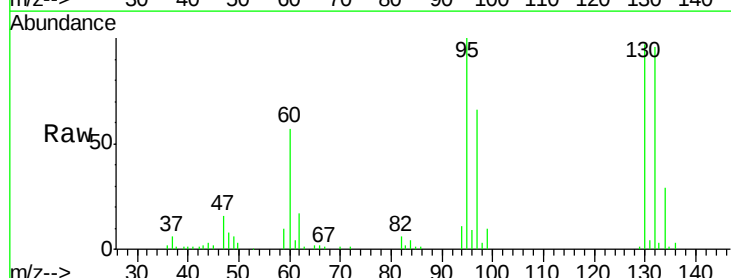
RT: 8.80 min Scan# 2197

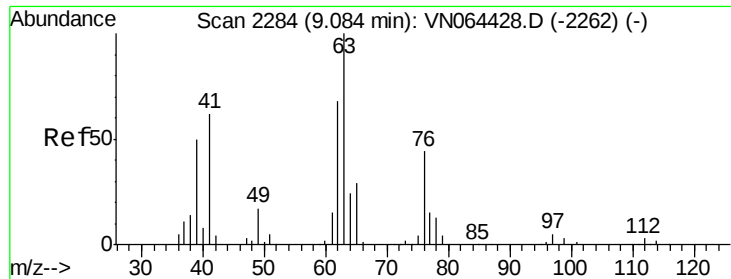
Delta R.T. 0.00 min

Lab File: VN064574.D

Acq: 12 Nov 2020 12:18

Tgt Ion:	130	Resp:	72627
Ion	Ratio	Lower	Upper
130	100		
95	103.0	0.0	216.8





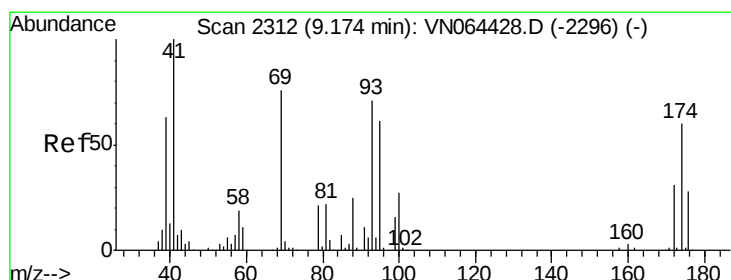
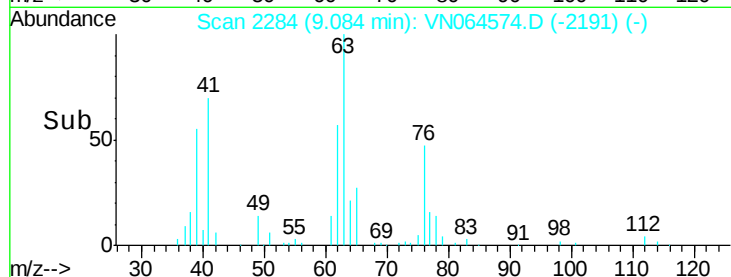
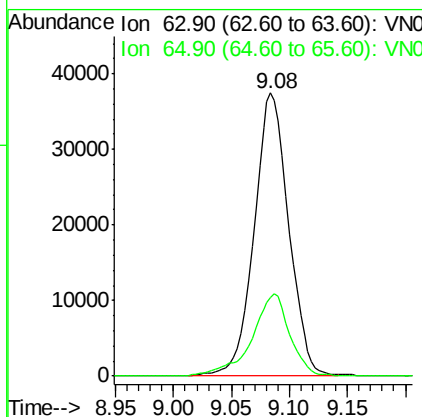
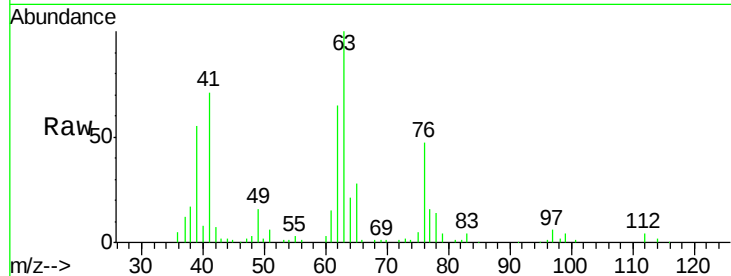
#45
 1,2-Dichloropropane
 Concen: 18.554 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN064574.D
 Acq: 12 Nov 2020 12:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112WBS01

Tot Ion: 63 Resp: 77944
 Ion Ratio Lower Upper
 63 100
 65 27.7 23.6 35.4

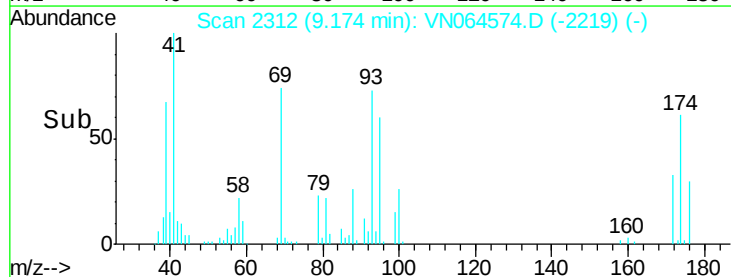
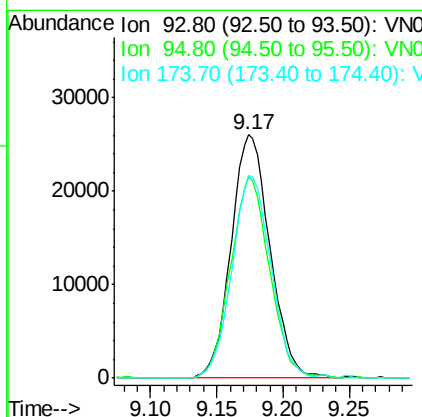
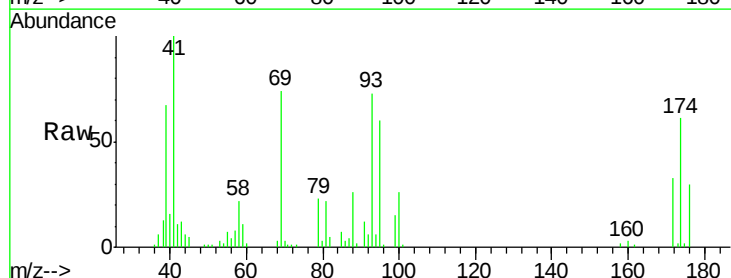
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MMDadoda
 11/13/2020 11:42:12 AM



#46
 Dibromomethane
 Concen: 19.175 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN064574.D
 Acq: 12 Nov 2020 12:18

Tgt Ion: 93 Resp: 53029
 Ion Ratio Lower Upper
 93 100
 95 82.7 66.4 99.6
 174 83.2 67.2 100.8





#47

Bromodichloromethane

Concen: 19.404 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN064574.D

Acq: 12 Nov 2020 12:18

Instrument :

MSVOA_N

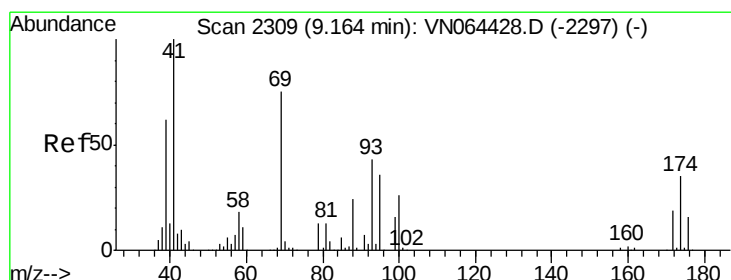
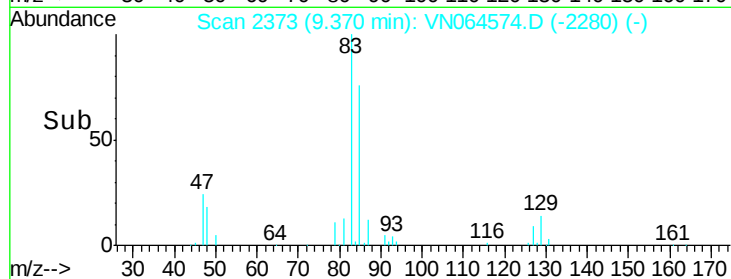
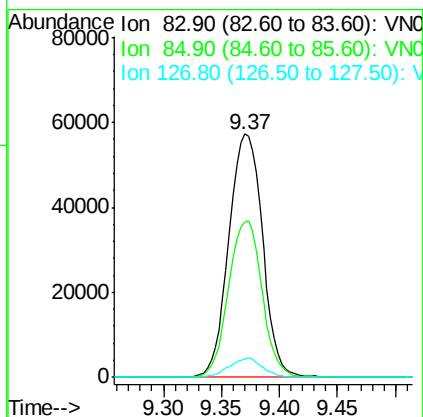
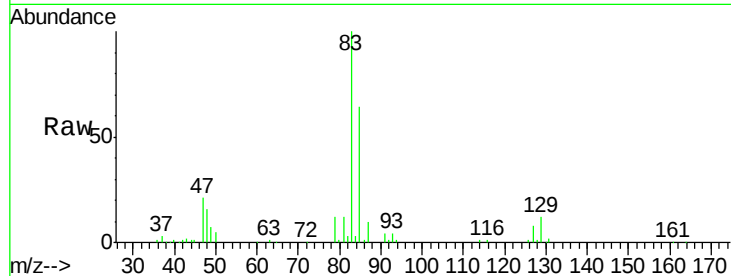
ClientSampleId :

VN1112WBS01

Tot Ion:	83	Resp:	115381
Ion Ratio	Lower	Upper	
83	100		
85	64.0	51.2	76.8
127	7.6	6.9	10.3

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#48

Methyl methacrylate

Concen: 17.244 ug/l

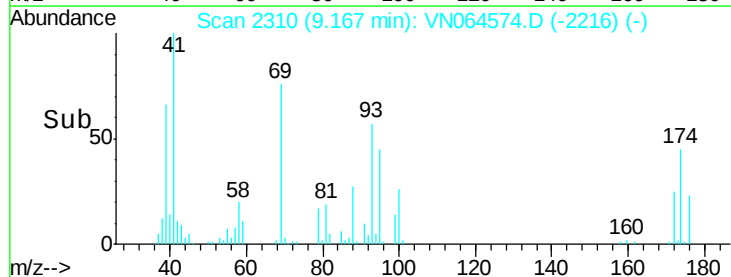
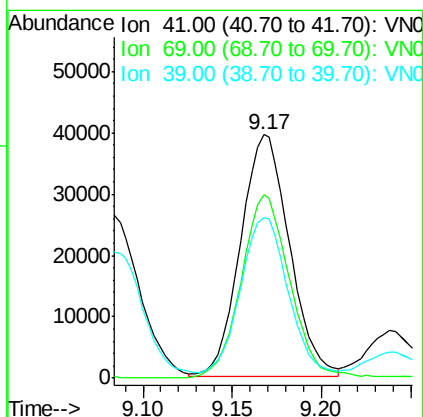
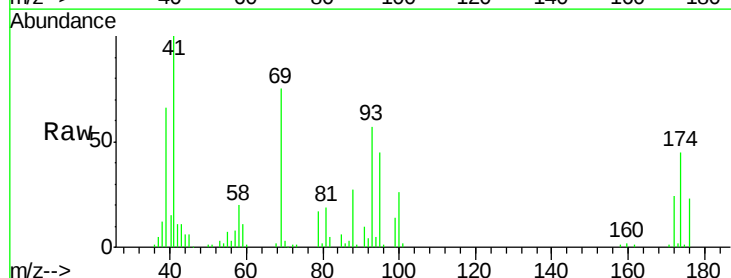
RT: 9.17 min Scan# 2310

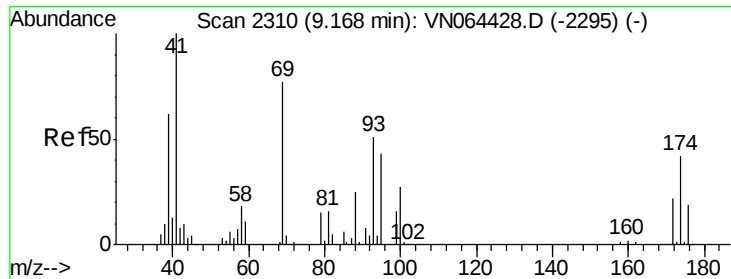
Delta R.T. 0.00 min

Lab File: VN064574.D

Acq: 12 Nov 2020 12:18

Tgt Ion:	41	Resp:	75553
Ion Ratio	Lower	Upper	
41	100		
69	75.4	60.4	90.6
39	64.2	51.2	76.8





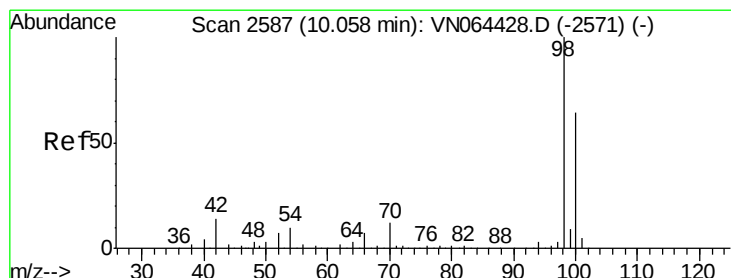
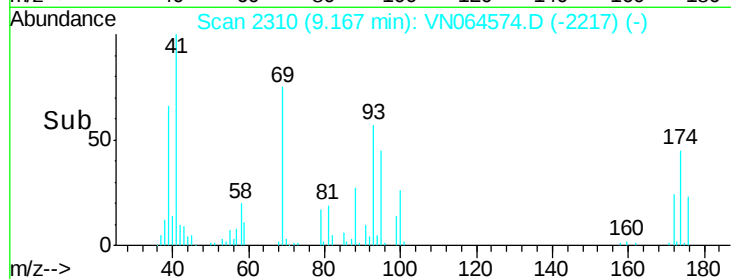
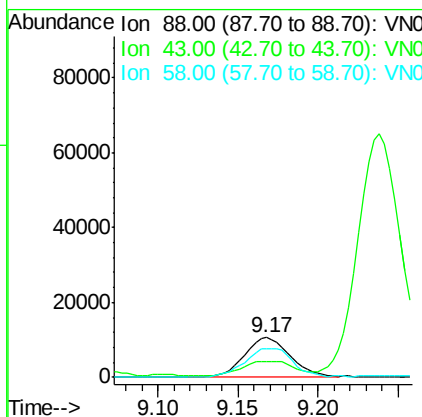
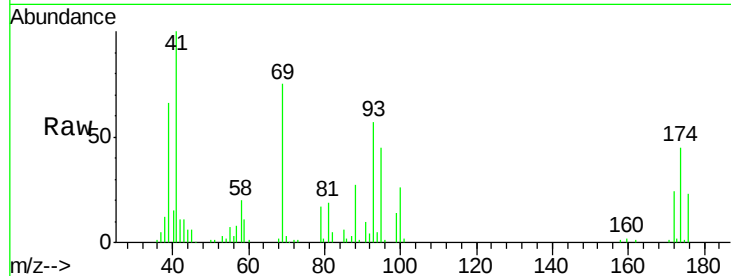
#49
1,4-Dioxane
Concen: 367.420 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN064574.D
Acq: 12 Nov 2020 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	41.0	31.0	46.6
58	74.7	58.4	87.6

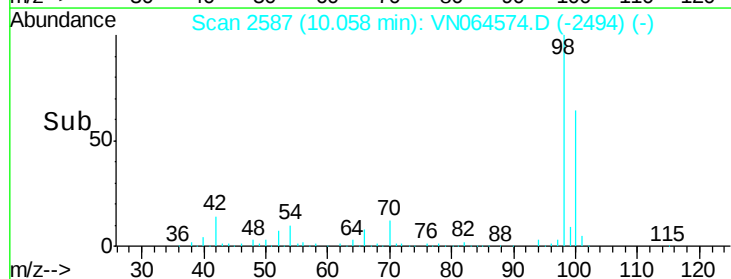
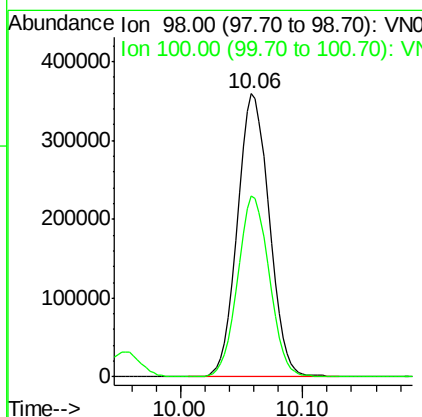
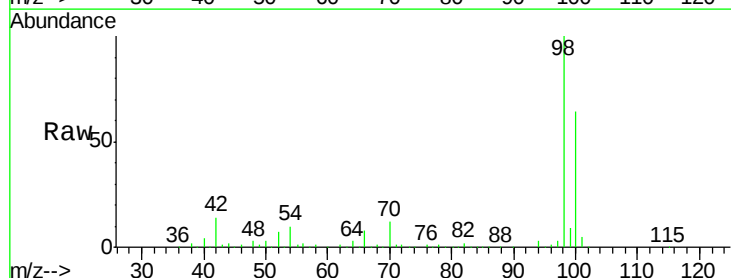
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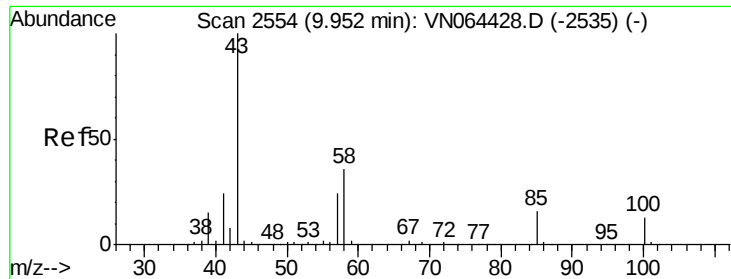
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#50
Toluene-d8
Concen: 48.630 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN064574.D
Acq: 12 Nov 2020 12:18

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.1	50.7	76.1





#51

4-Methyl-2-Pentanone

Concen: 94.595 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN064574.D

Acq: 12 Nov 2020 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBS01

Tot Ion: 43 Resp: 479002

Ion Ratio Lower Upper

43 100

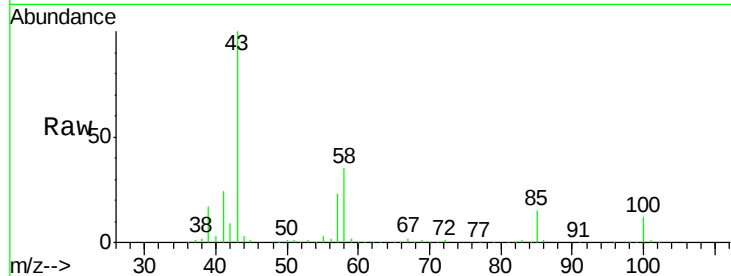
58 35.3 28.4 42.6

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.95

250000

200000

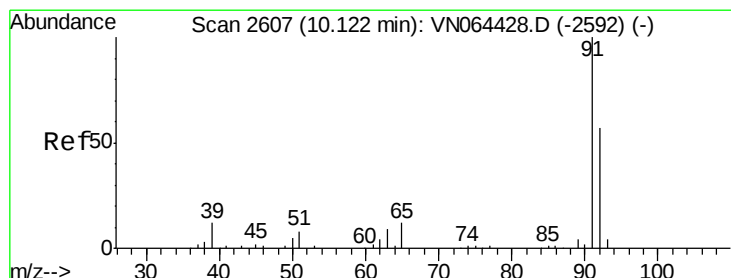
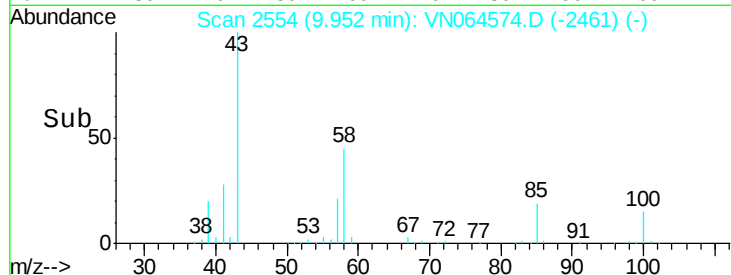
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 18.240 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN064574.D

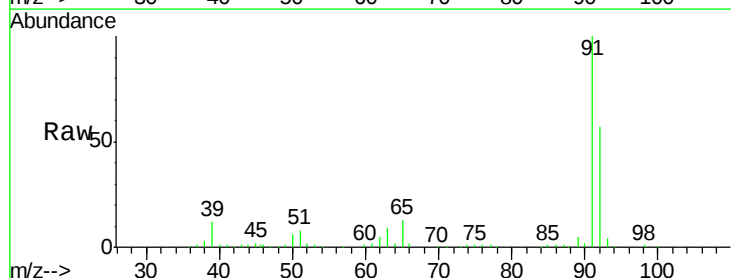
Acq: 12 Nov 2020 12:18

Tgt Ion: 92 Resp: 175159

Ion Ratio Lower Upper

92 100

91 176.5 139.6 209.4



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.13

200000

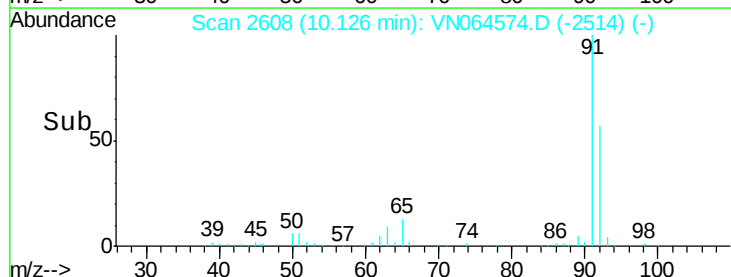
150000

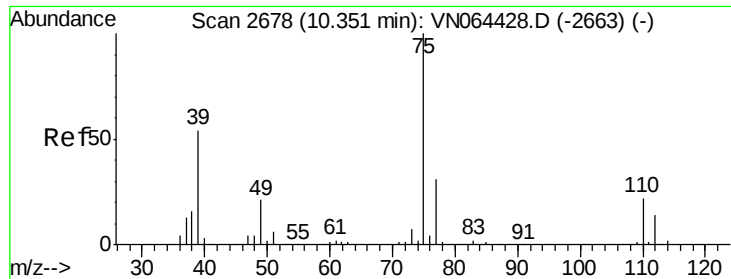
100000

50000

0

Time-->





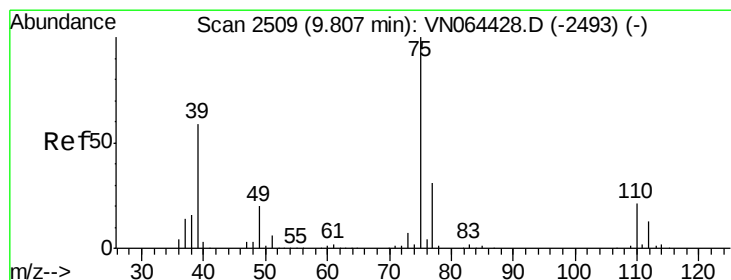
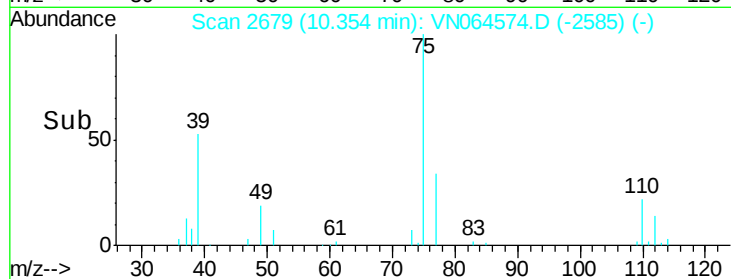
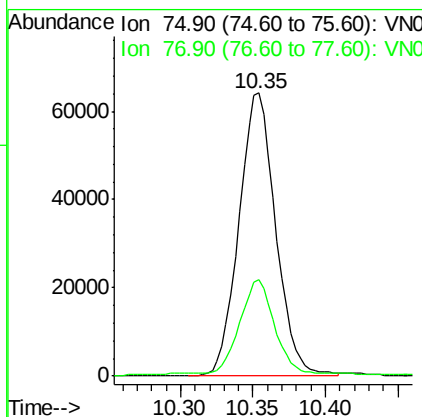
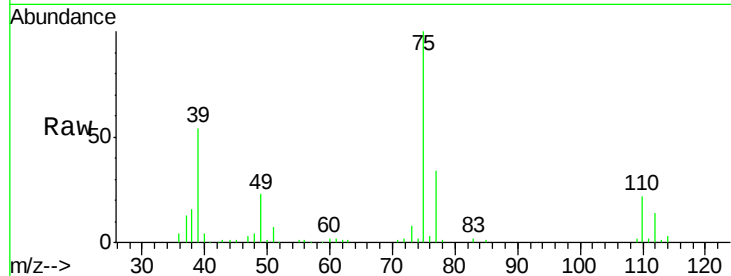
#53
t-1,3-Dichloropropene
Concen: 17.991 ug/l
RT: 10.35 min Scan# 2679
Delta R.T. 0.00 min
Lab File: VN064574.D
Acq: 12 Nov 2020 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBS01

Tot Ion: 75 Resp: 113417
Ion Ratio Lower Upper
75 100
77 33.3 24.8 37.2

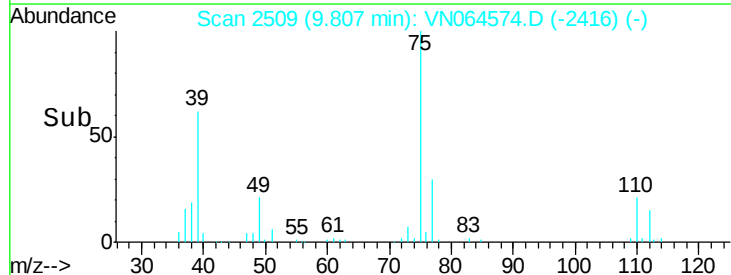
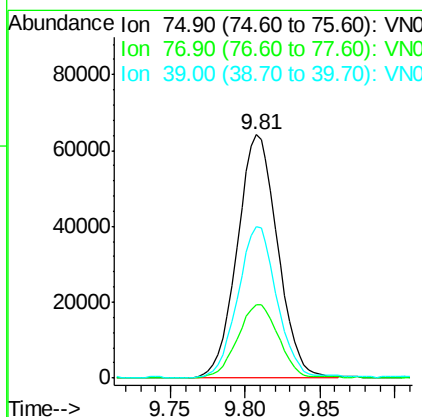
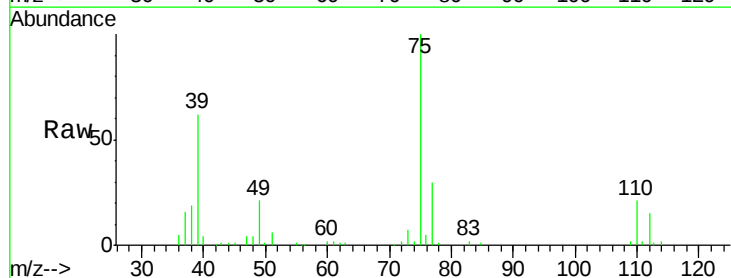
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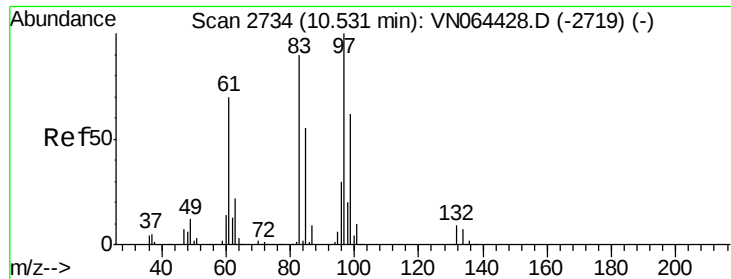
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#54
cis-1,3-Dichloropropene
Concen: 17.894 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN064574.D
Acq: 12 Nov 2020 12:18

Tgt Ion: 75 Resp: 120607
Ion Ratio Lower Upper
75 100
77 30.0 24.9 37.3
39 61.7 47.1 70.7





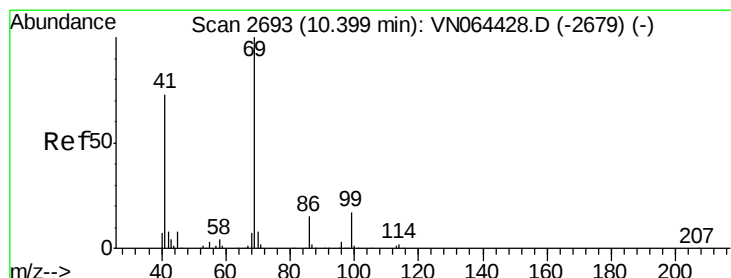
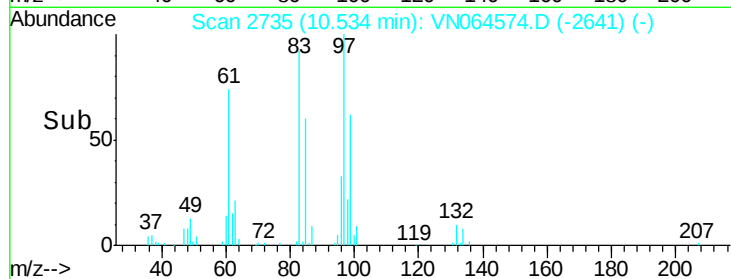
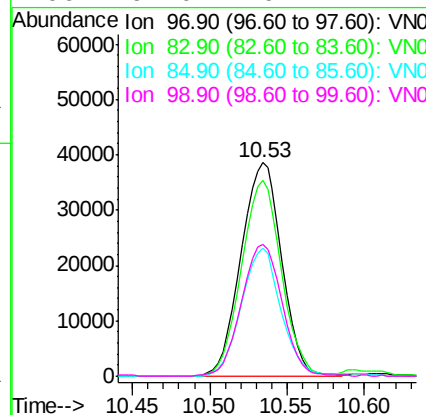
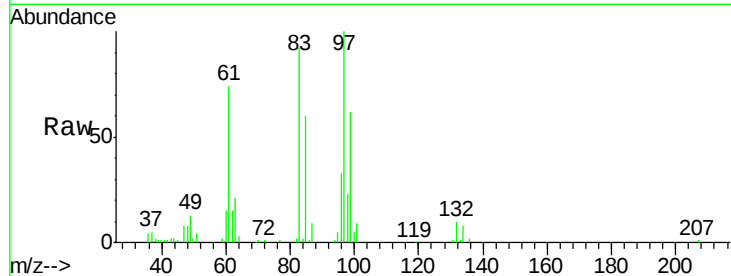
#55
 1,1,2-Trichloroethane
 Concen: 18.848 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN064574.D
 Acq: 12 Nov 2020 12:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112WBS01

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	91.6	71.7	107.5	
85	60.0	44.3	66.5	
99	62.0	49.4	74.2	

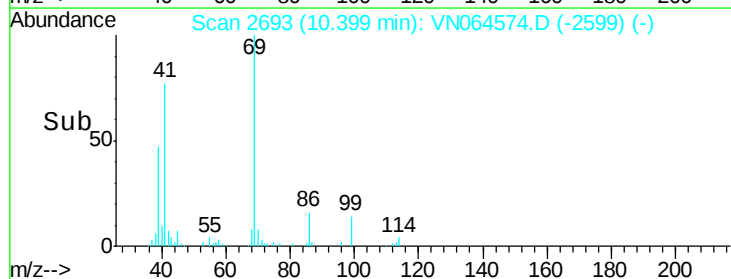
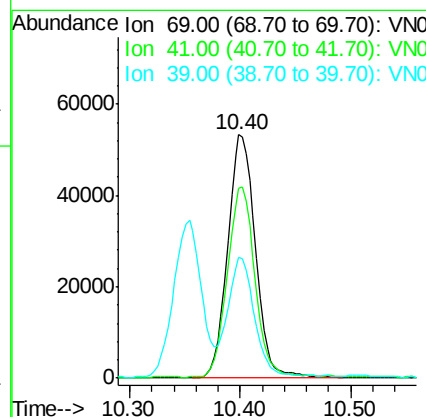
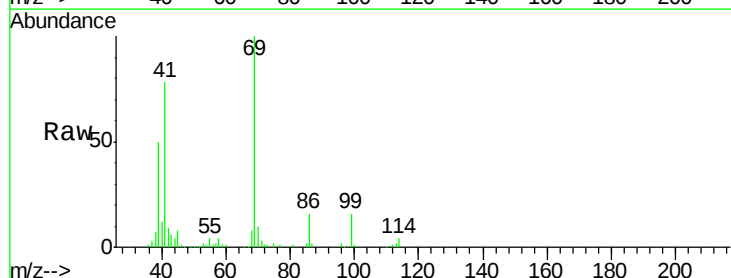
Manual Integrations
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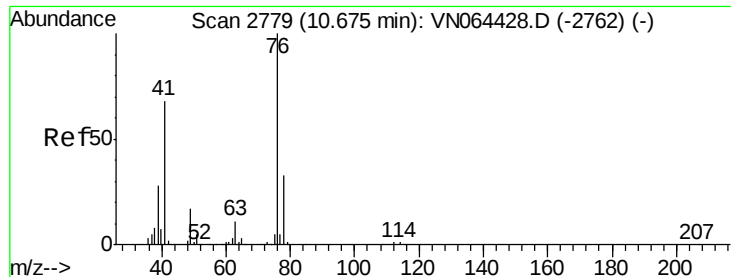
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 11/13/2020 11:42:12 AM



#56
 Ethyl methacrylate
 Concen: 16.428 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN064574.D
 Acq: 12 Nov 2020 12:18

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	77.1	59.3	88.9	
39	46.9	35.4	53.0	





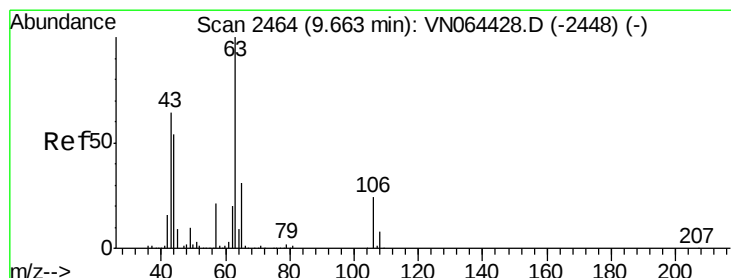
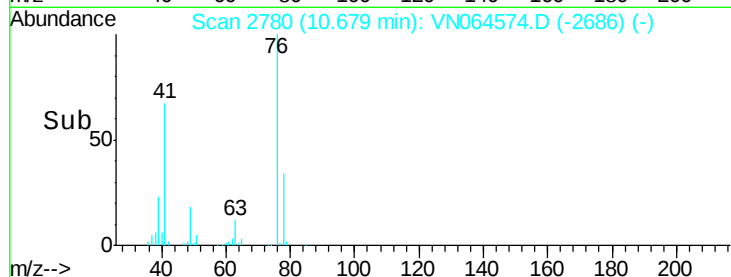
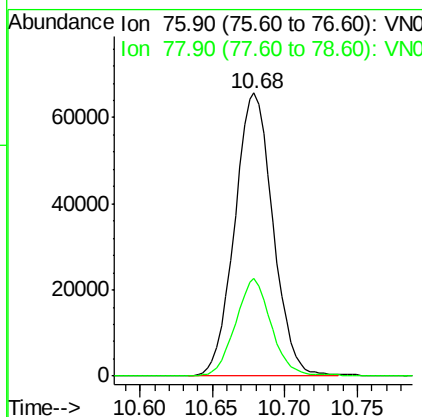
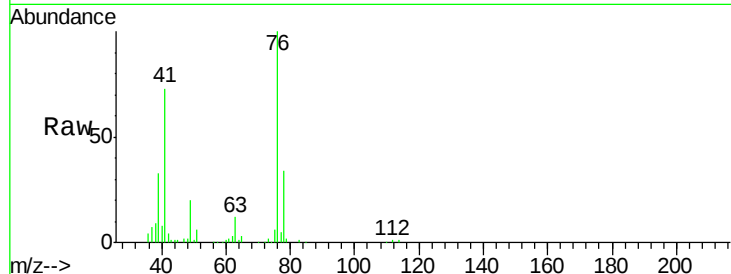
#57
 1,3-Dichloropropane
 Concen: 18.437 ug/l
 RT: 10.68 min Scan# 2780
 Delta R.T. 0.00 min
 Lab File: VN064574.D
 Acq: 12 Nov 2020 12:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.8	38.6

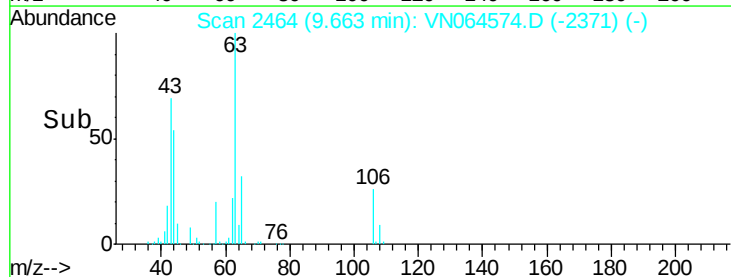
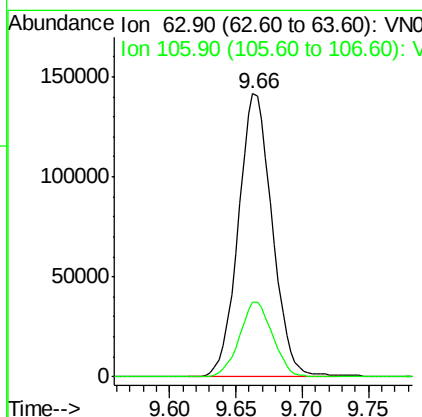
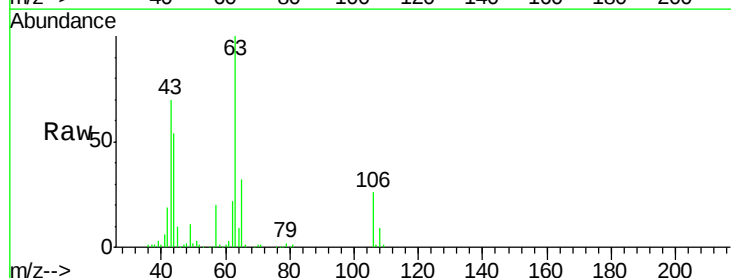
Manual Integrations
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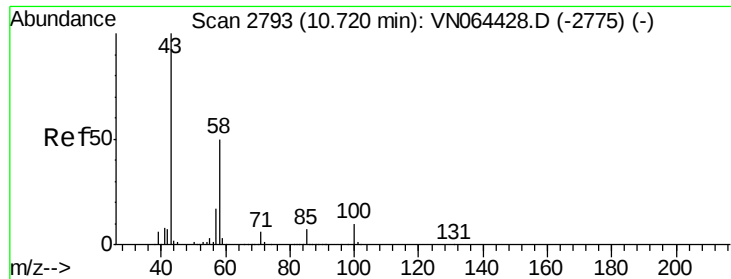
MMDadoda
 11/13/2020 11:42:12 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.399 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN064574.D
 Acq: 12 Nov 2020 12:18

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.9	19.5	29.3





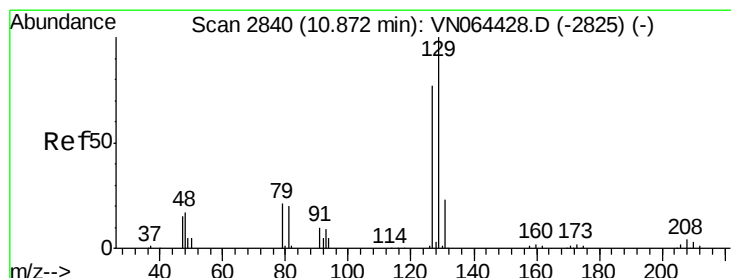
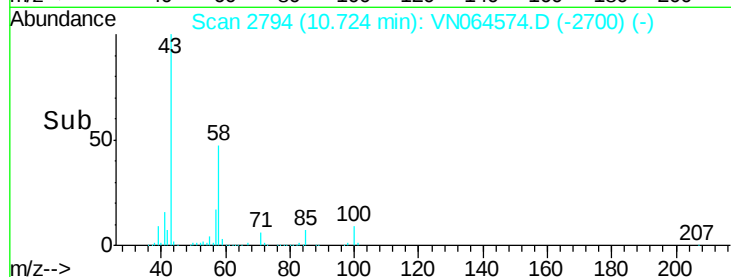
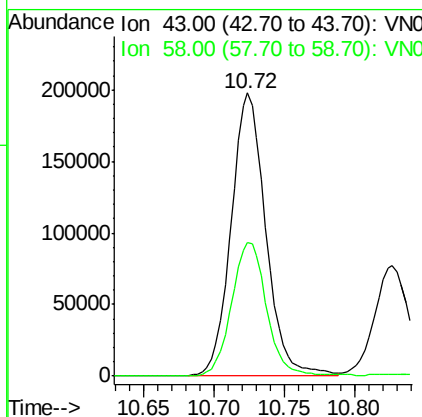
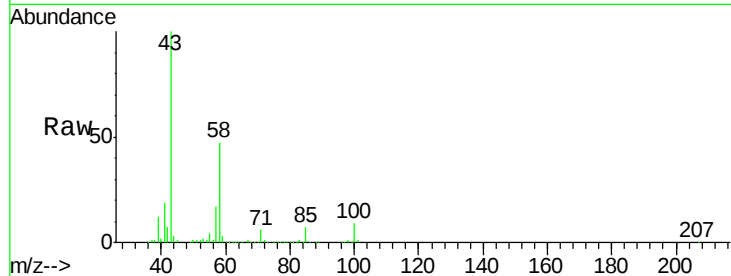
#59
2-Hexanone
Concen: 84.279 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064574.D
Acq: 12 Nov 2020 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBS01

Tot Ion: 43 Resp: 336795
Ion Ratio Lower Upper
43 100
58 48.1 24.7 74.1

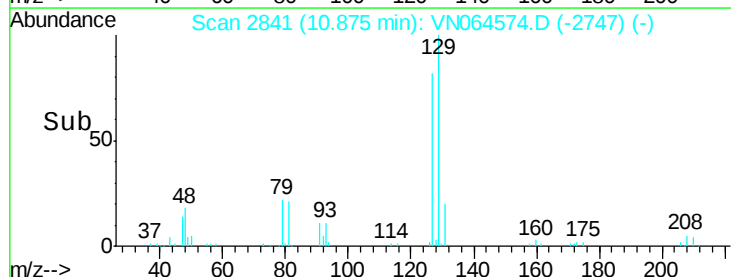
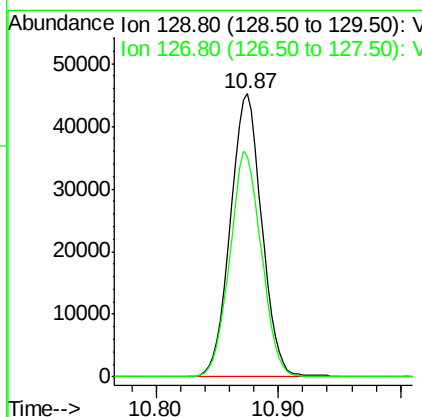
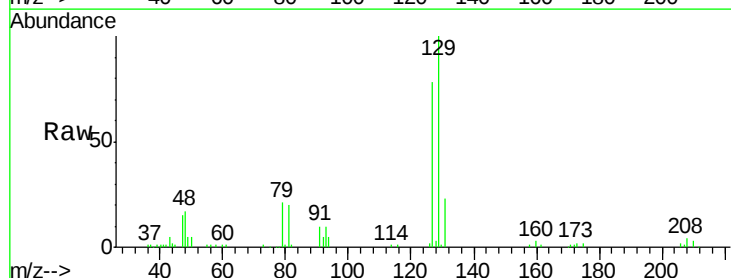
Manual Integrations
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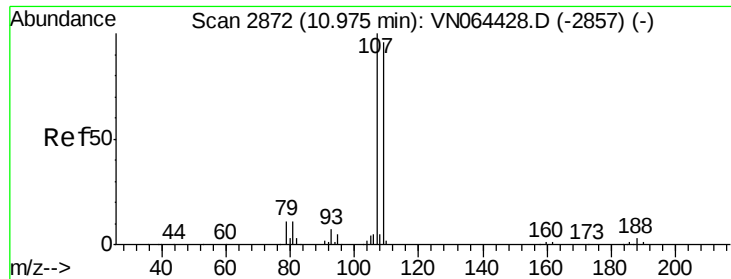
MMDadoda
11/13/2020 11:42:12 AM



#60
Dibromochloromethane
Concen: 19.356 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN064574.D
Acq: 12 Nov 2020 12:18

Tgt Ion: 129 Resp: 81161
Ion Ratio Lower Upper
129 100
127 79.6 38.9 116.7





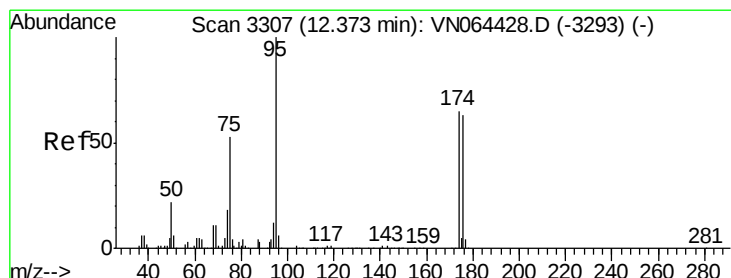
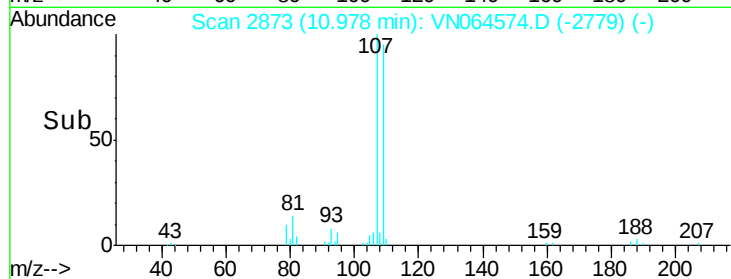
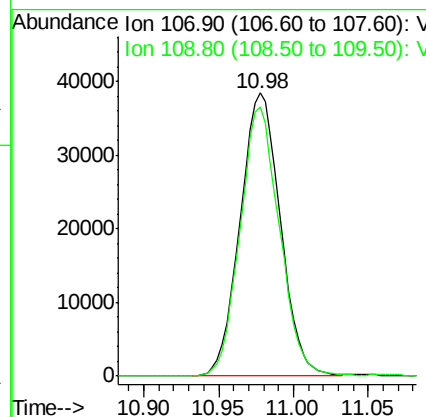
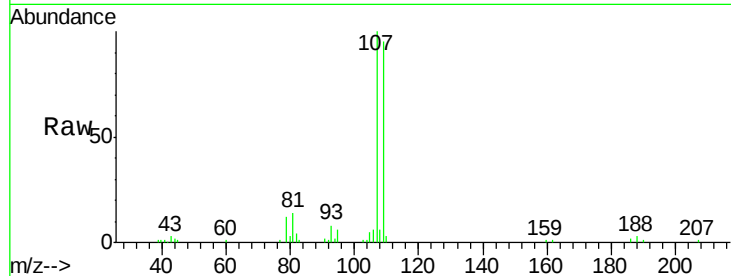
#61
 1,2-Dibromoethane
 Concen: 18.954 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN064574.D
 Acq: 12 Nov 2020 12:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.4	75.9	113.9

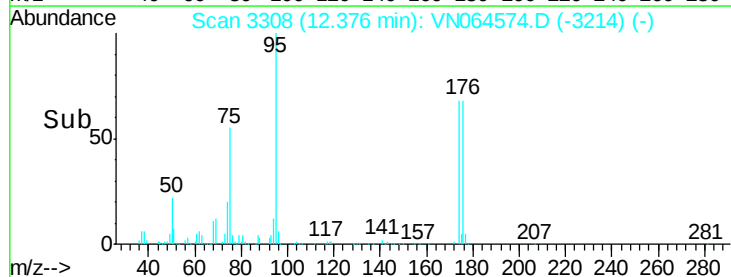
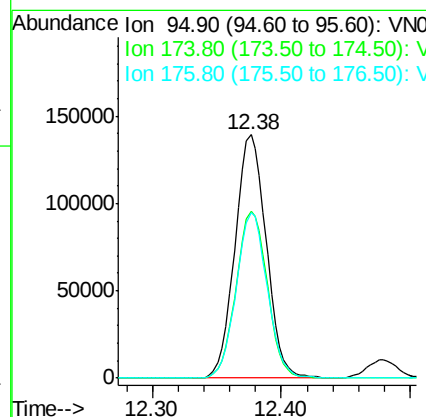
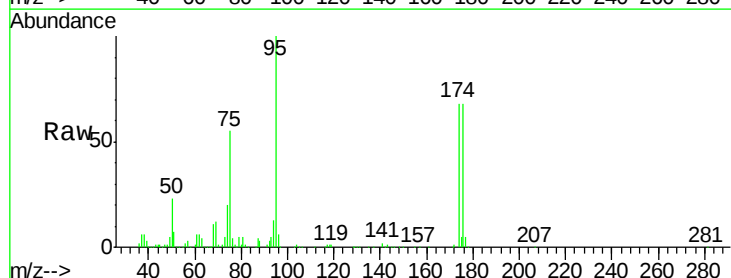
Manual Integrations
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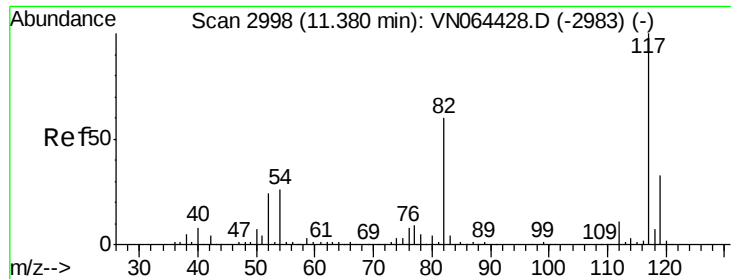
MMDadoda
 11/13/2020 11:42:12 AM



#62
 4-Bromofluorobenzene
 Concen: 46.539 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN064574.D
 Acq: 12 Nov 2020 12:18

Tgt Ion	Ratio	Lower	Upper
95	100		
174	68.4	0.0	132.6
176	67.5	0.0	129.2





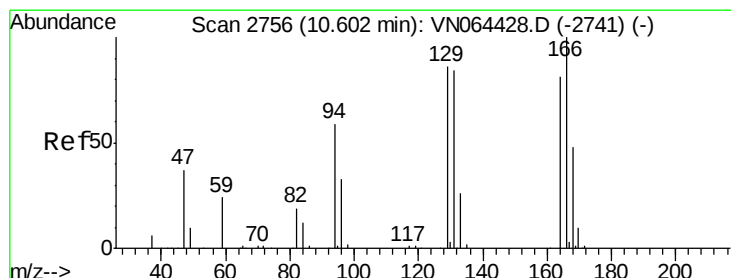
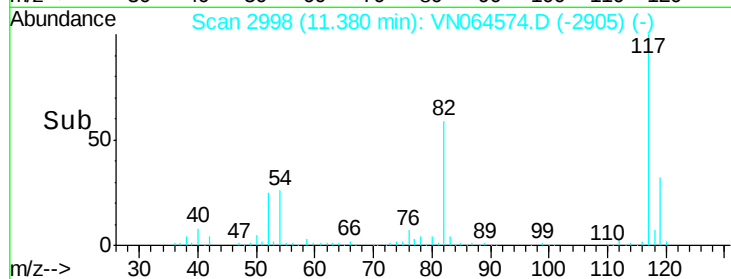
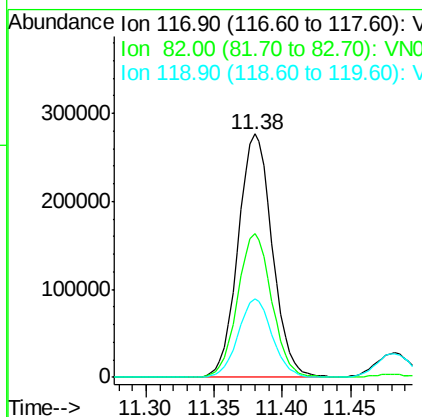
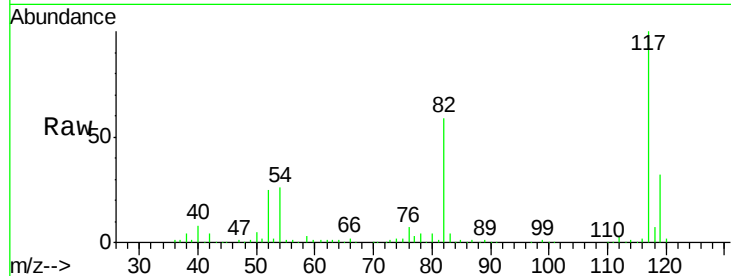
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064574.D
Acq: 12 Nov 2020 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.9	48.1	72.1
119	32.1	26.2	39.4

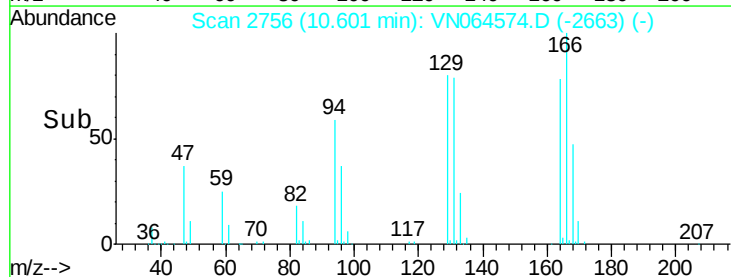
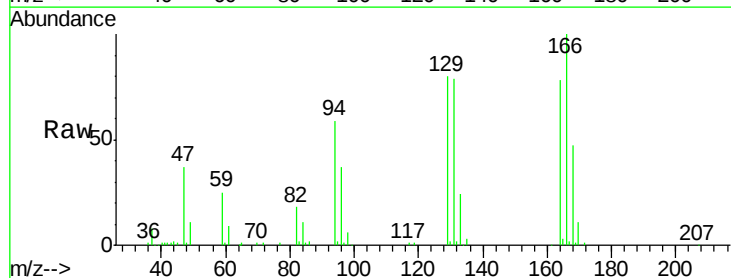
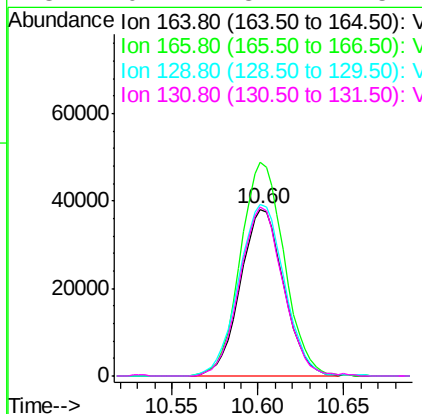
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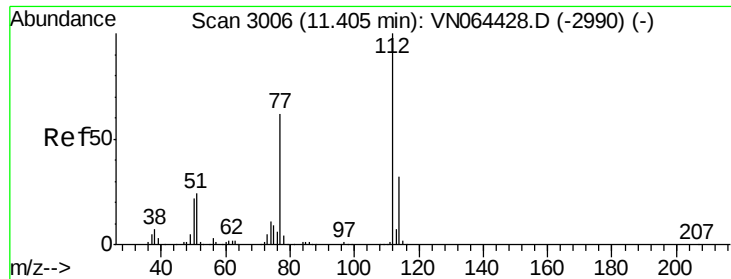
MMDadoda
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#64
Tetrachloroethene
Concen: 18.021 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN064574.D
Acq: 12 Nov 2020 12:18

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.3	98.2	147.2
129	102.9	84.6	127.0
131	101.4	82.2	123.2





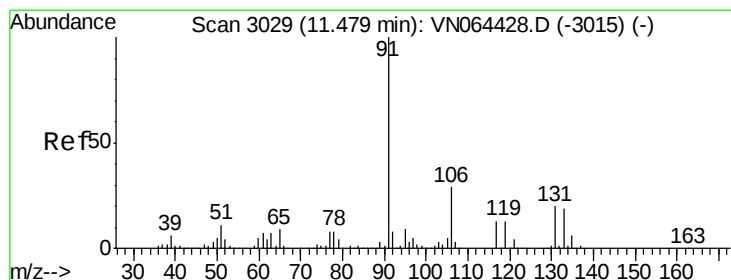
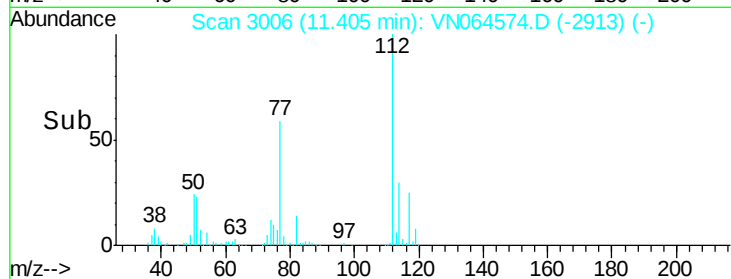
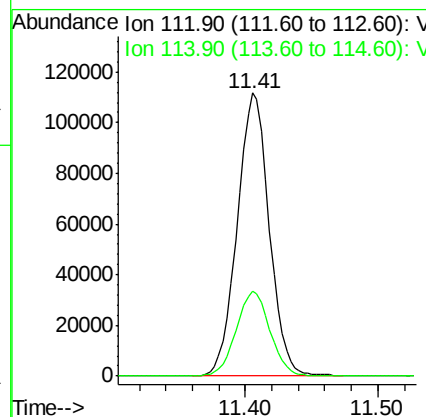
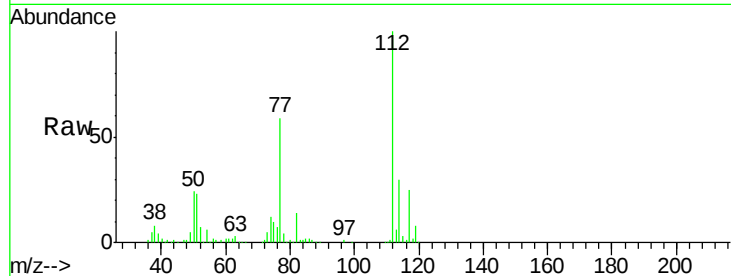
#65
Chlorobenzene
Concen: 17.728 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN064574.D
Acq: 12 Nov 2020 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBS01

Tot Ion:112 Resp: 187042
Ion Ratio Lower Upper
112 100
114 30.0 25.6 38.4

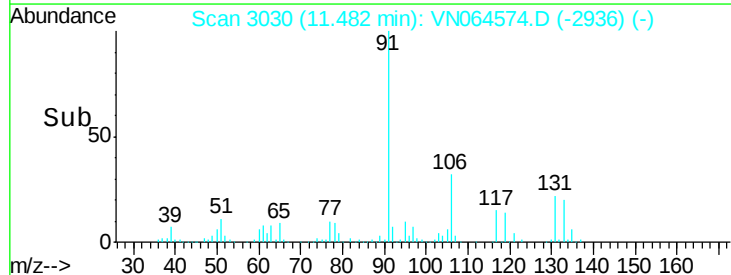
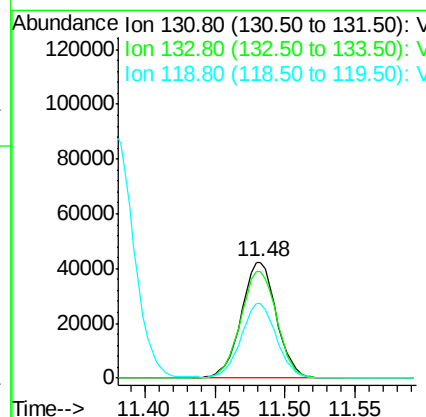
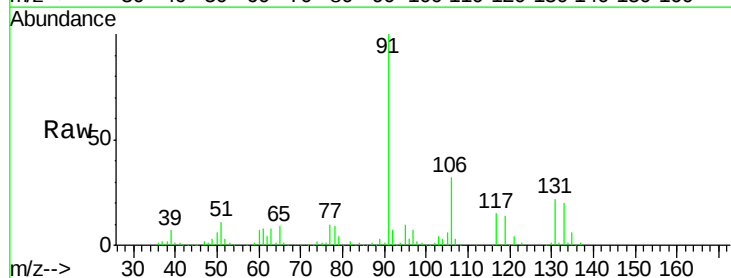
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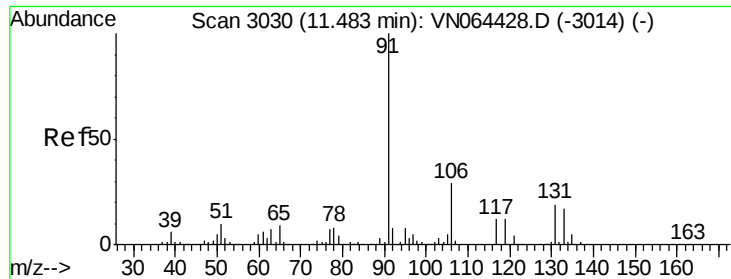
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.800 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064574.D
Acq: 12 Nov 2020 12:18

Tgt Ion:131 Resp: 73997
Ion Ratio Lower Upper
131 100
133 94.3 46.9 140.7
119 64.6 32.1 96.5





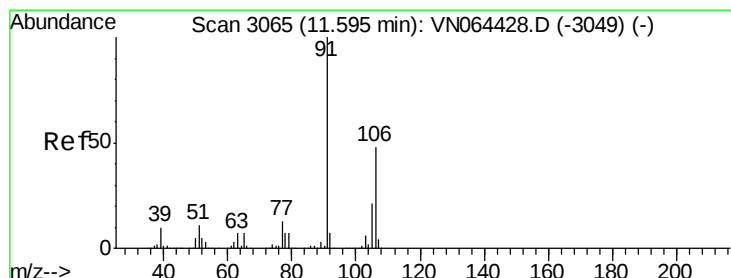
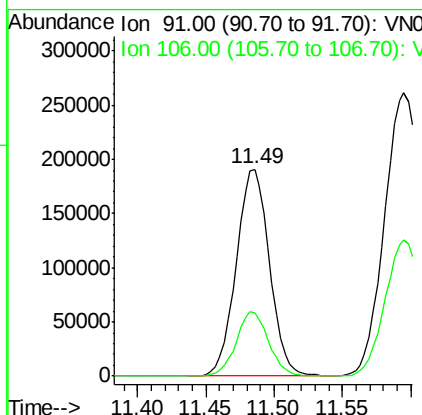
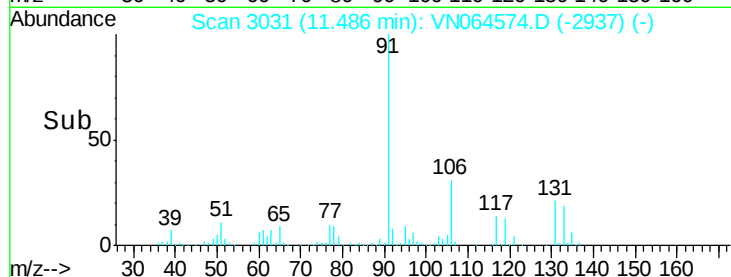
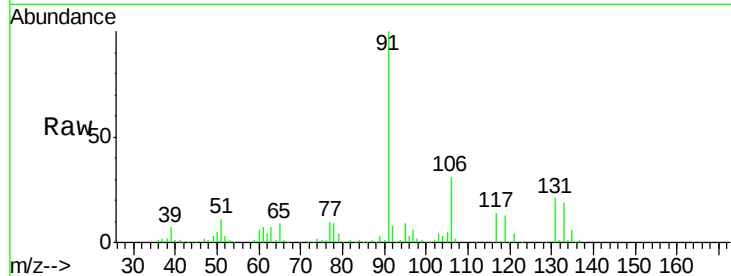
#67
Ethyl Benzene
Concen: 17.214 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. 0.00 min
Lab File: VN064574.D
Acq: 12 Nov 2020 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBS01

Tot Ion: 91 Resp: 323060
Ion Ratio Lower Upper
91 100
106 30.7 23.6 35.4

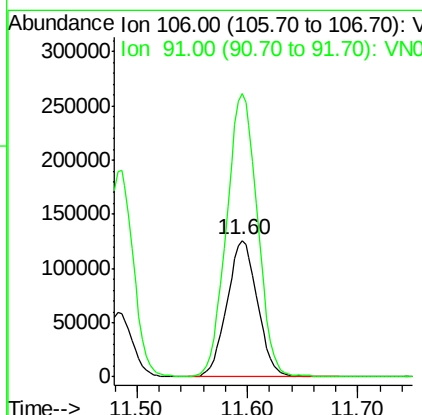
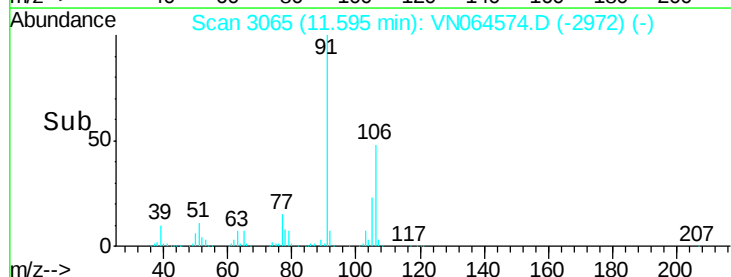
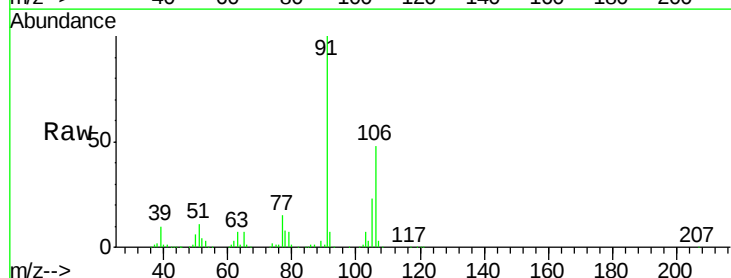
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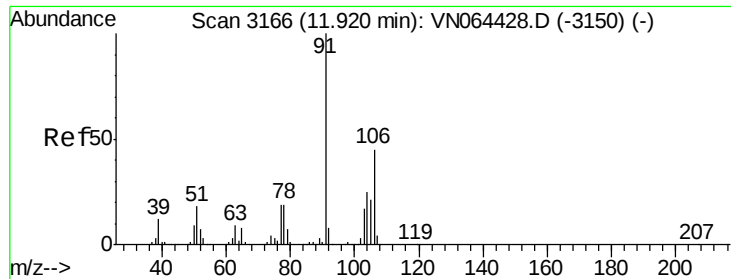
MMDadoda
11/13/2020 11:42:12 AM



#68
m/p-Xylenes
Concen: 35.301 ug/l
RT: 11.60 min Scan# 3065
Delta R.T. -0.00 min
Lab File: VN064574.D
Acq: 12 Nov 2020 12:18

Tgt Ion: 106 Resp: 240262
Ion Ratio Lower Upper
106 100
91 211.7 169.4 254.2





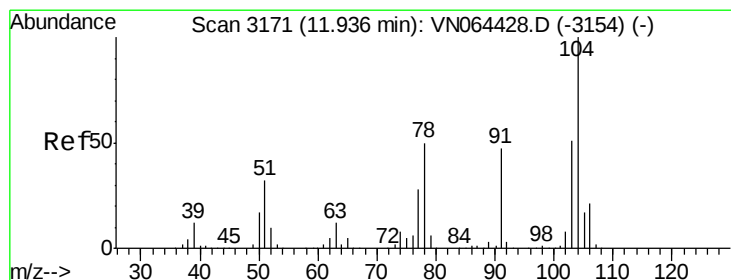
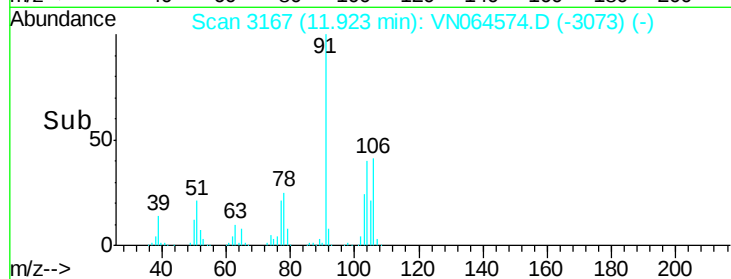
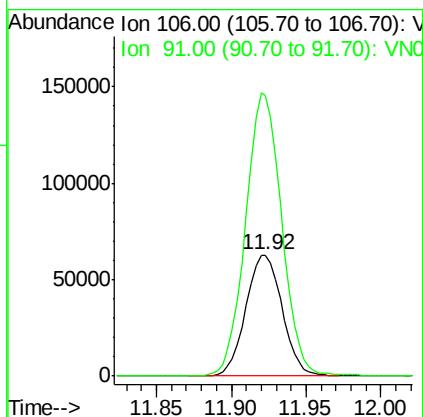
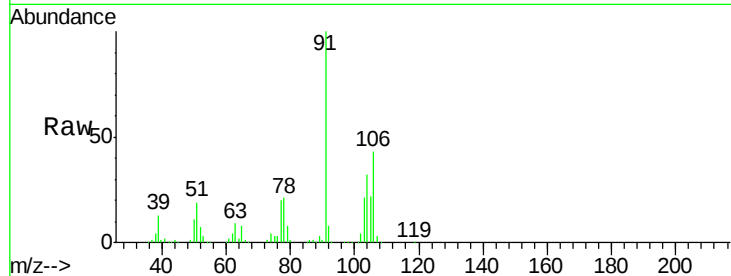
#69
o-Xylene
Concen: 16.209 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN064574.D
Acq: 12 Nov 2020 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	232.4	111.7	334.9		

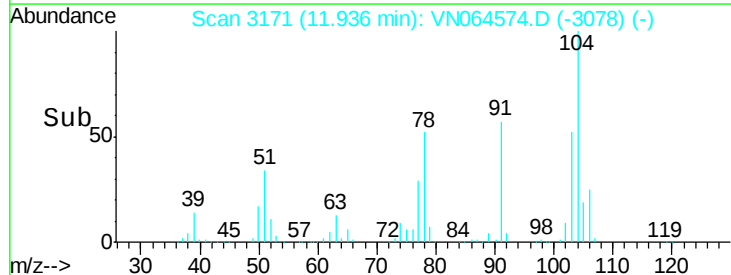
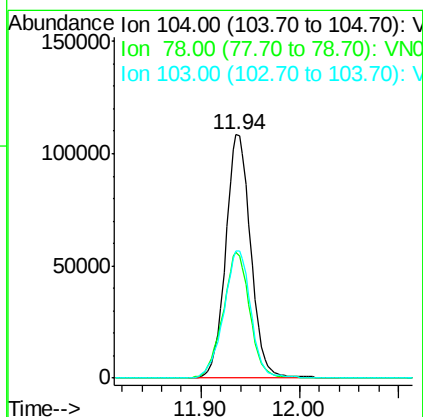
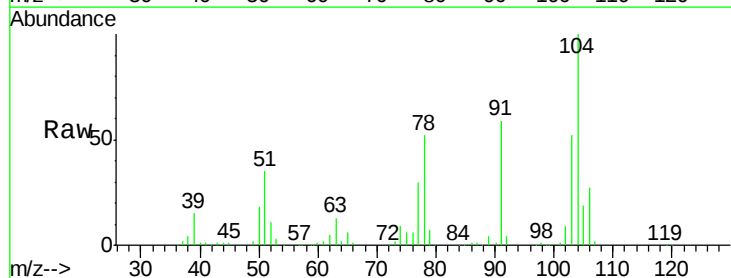
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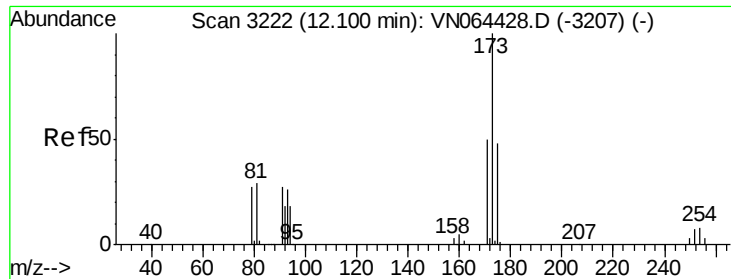
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#70
Styrene
Concen: 17.504 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064574.D
Acq: 12 Nov 2020 12:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	55.0	44.0	66.0		
103	56.4	43.8	65.6		





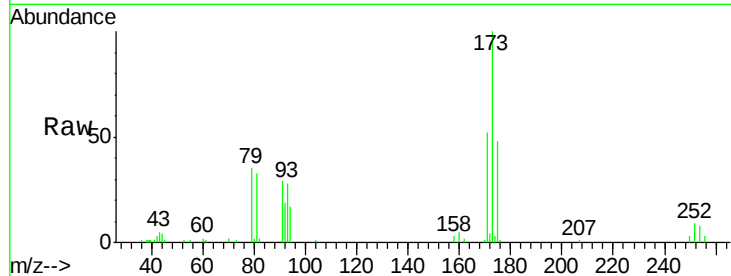
#71
Bromoform
Concen: 17.880 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN064574.D
Acq: 12 Nov 2020 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBS01

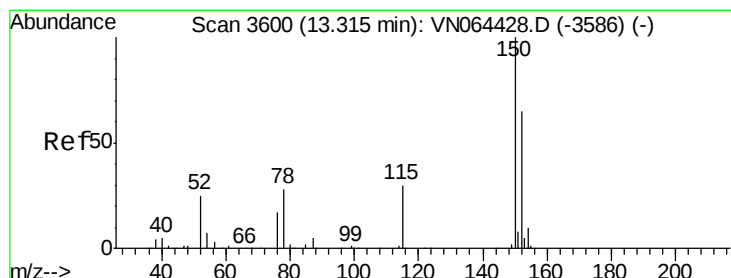
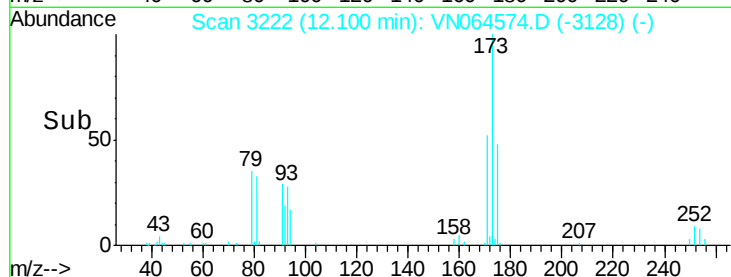
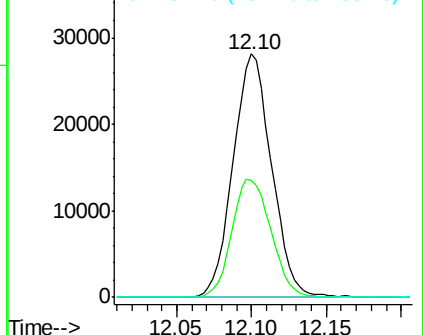
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	23.7	71.1
254	0.0	0.0	0.0

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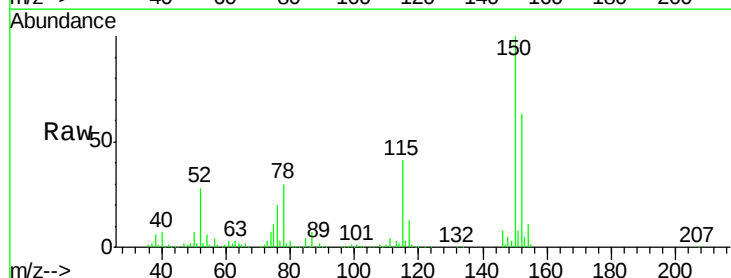


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

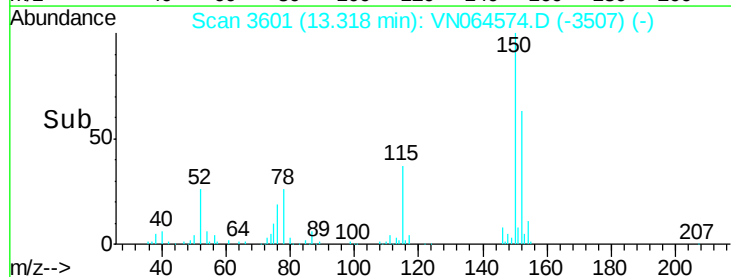
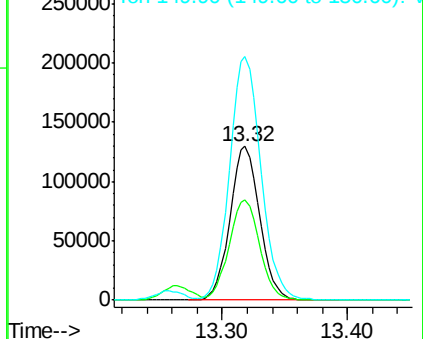


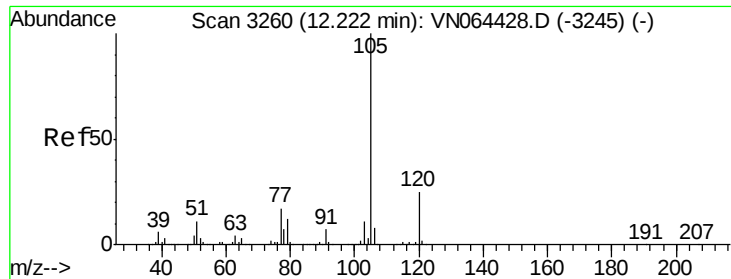
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN064574.D
Acq: 12 Nov 2020 12:18

Tgt Ion	Ratio	Lower	Upper
152	100		
115	65.9	32.0	96.0
150	166.5	0.0	353.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 17.122 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN064574.D

Acq: 12 Nov 2020 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBS01

Tot Ion: 105 Resp: 290469

Ion Ratio Lower Upper

105 100

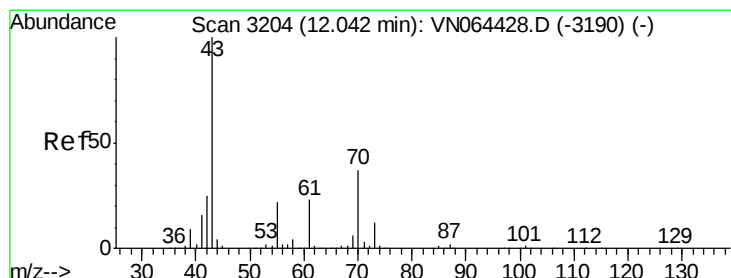
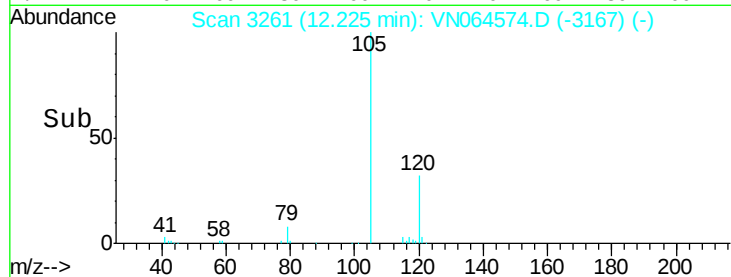
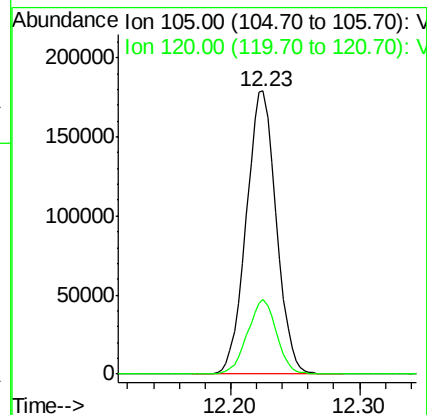
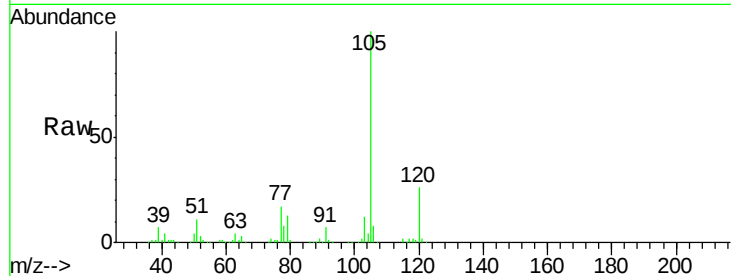
120 25.6 12.8 38.3

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#74

N-ethyl acetate

Concen: 15.751 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN064574.D

Acq: 12 Nov 2020 12:18

Tgt Ion: 43 Resp: 122583

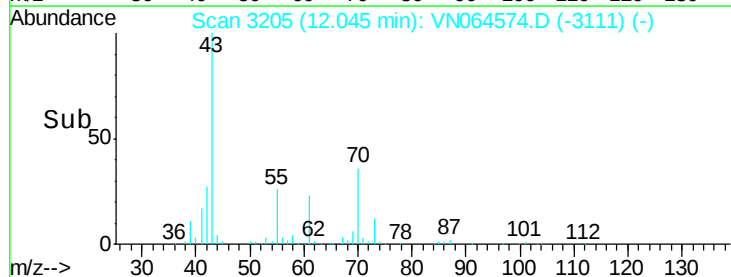
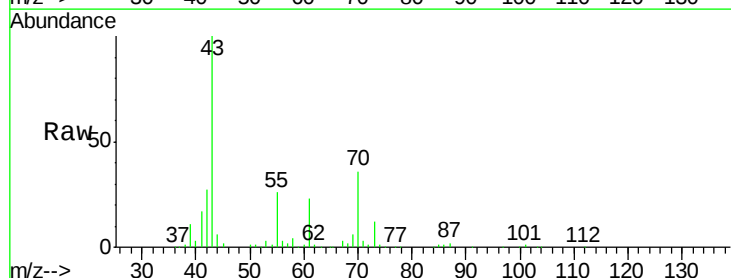
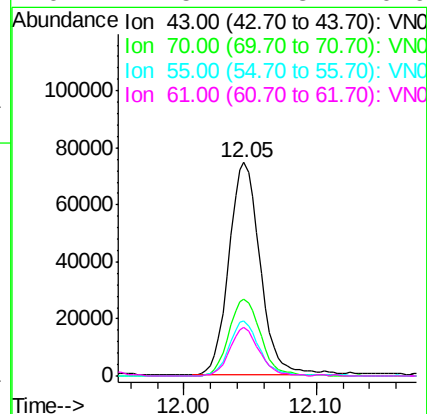
Ion Ratio Lower Upper

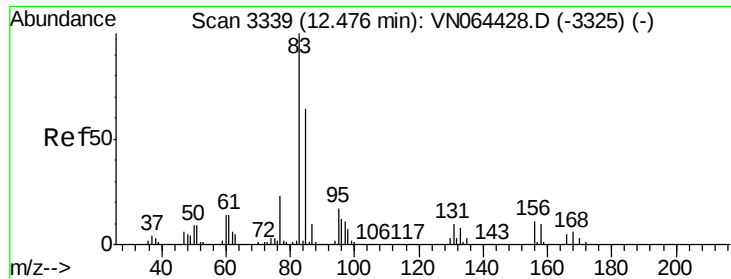
43 100

70 36.4 29.6 44.4

55 24.8 18.4 27.6

61 21.5 17.8 26.6





#75

1,1,2,2-Tetrachloroethane

Concen: 18.762 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064574.D

Acq: 12 Nov 2020 12:18

Instrument :

MSVOA_N

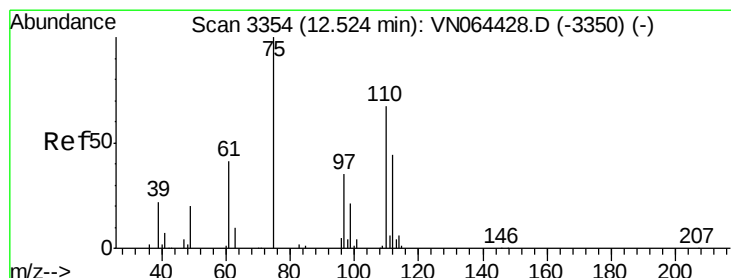
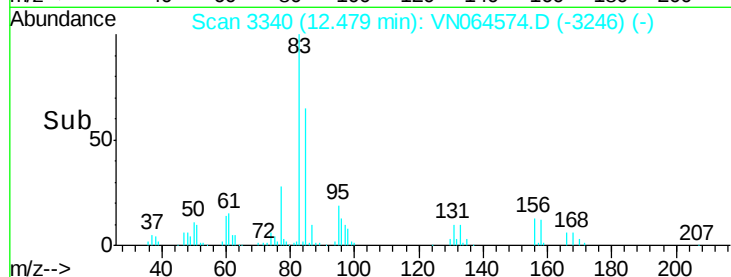
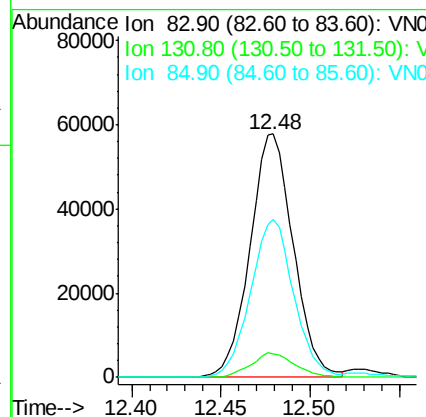
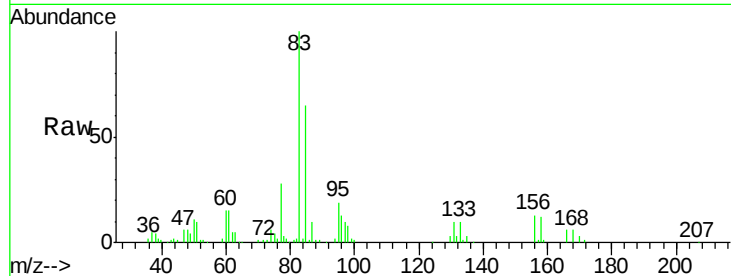
ClientSampleId :

VN1112WBS01

Tot Ion:	83	Resp:	97764
Ion Ratio	Lower	Upper	
83	100		
131	10.2	4.9	14.7
85	64.7	32.1	96.5

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#76

1,2,3-Trichloropropane

Concen: 18.255 ug/l m

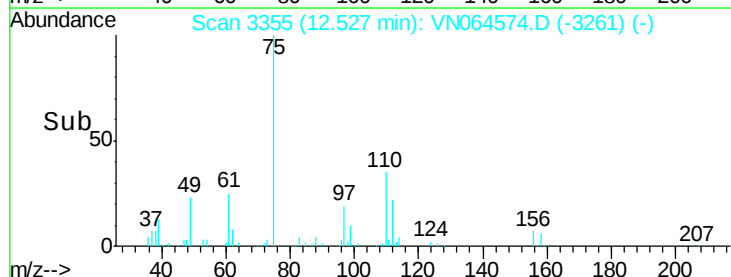
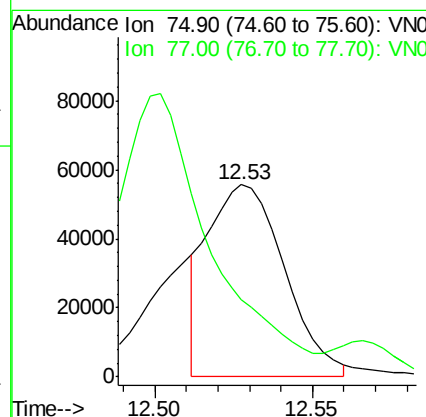
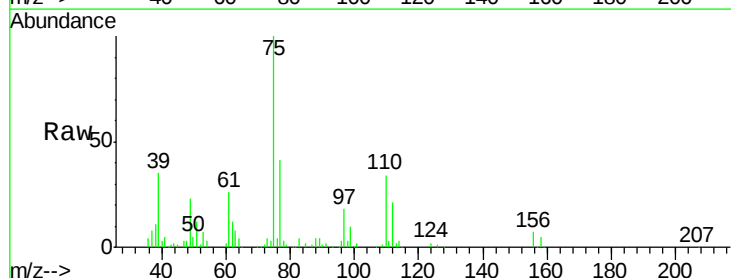
RT: 12.53 min Scan# 3355

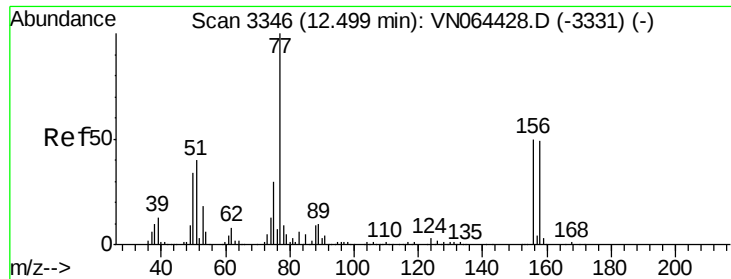
Delta R.T. 0.00 min

Lab File: VN064574.D

Acq: 12 Nov 2020 12:18

Tgt Ion:	75	Resp:	94405
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.042 ug/l

RT: 12.50 min Scan# 3347

Delta R.T. 0.00 min

Lab File: VN064574.D

Acq: 12 Nov 2020 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBS01

Tot Ion:156 Resp: 74728

Ion Ratio Lower Upper

156 100

77 231.9 119.0 357.0

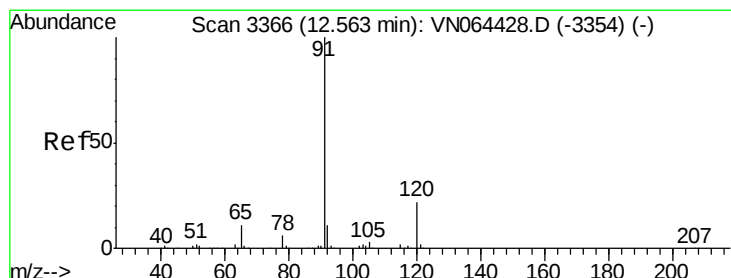
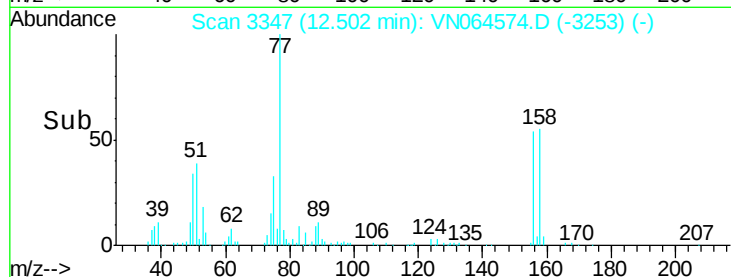
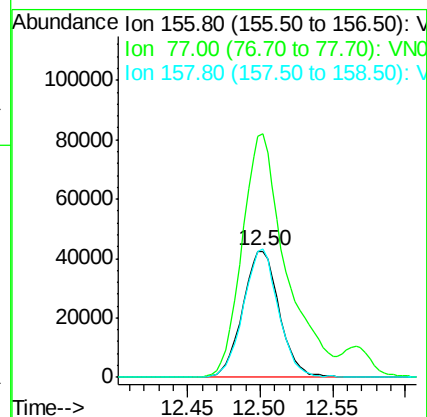
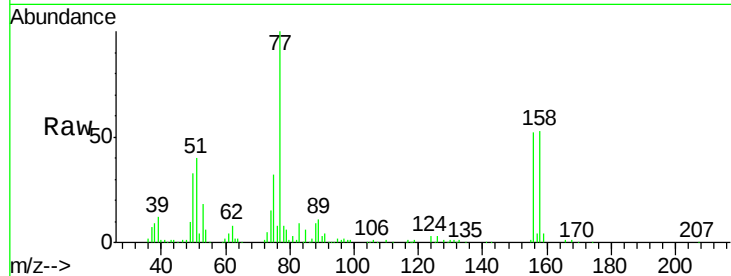
158 96.9 48.4 145.3

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#78

n-propylbenzene

Concen: 17.779 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064574.D

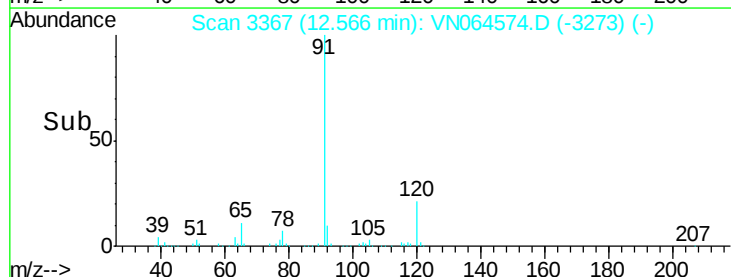
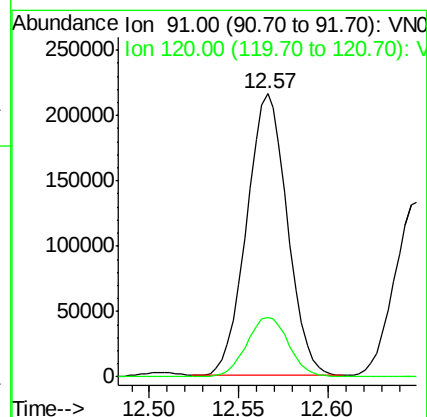
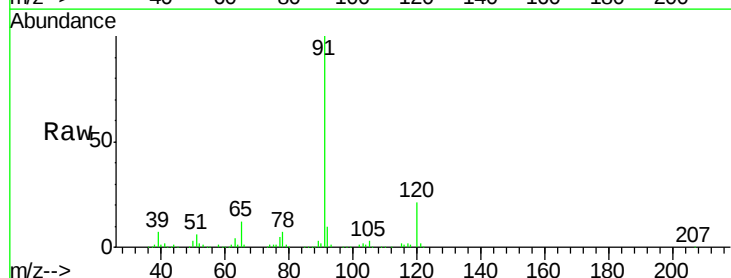
Acq: 12 Nov 2020 12:18

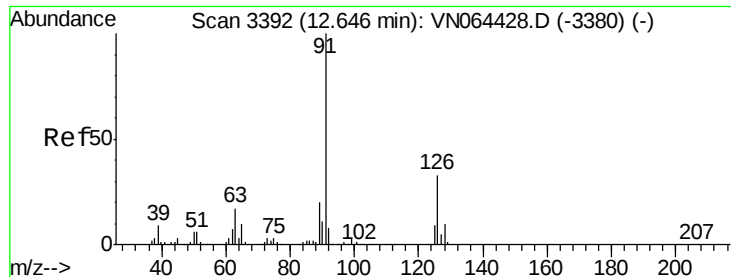
Tgt Ion: 91 Resp: 343872

Ion Ratio Lower Upper

91 100

120 22.0 11.0 33.0





#79

2-Chlorotoluene

Concen: 17.678 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN064574.D

Acq: 12 Nov 2020 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBS01

Tot Ion: 91 Resp: 216856

Ion Ratio Lower Upper

91 100

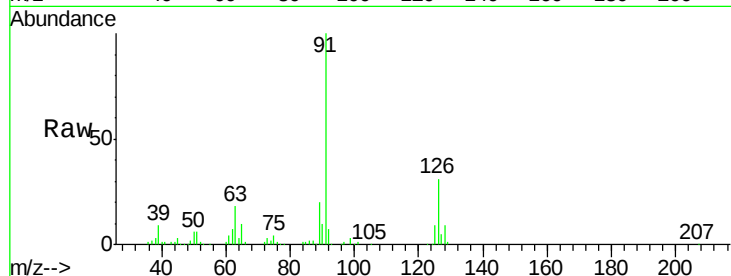
126 32.0 16.4 49.1

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Abundance Ion 91.00 (90.70 to 91.70): VN064574.D (-3393) (-)

Ion 125.90 (125.60 to 126.60): VN064574.D (-3393) (-)

200000

150000

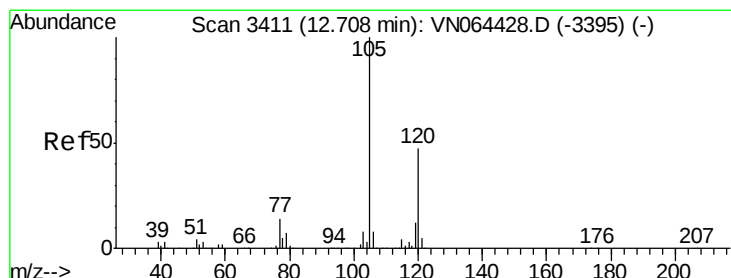
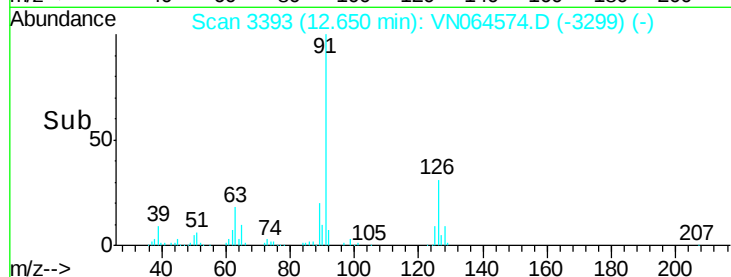
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 17.744 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN064574.D

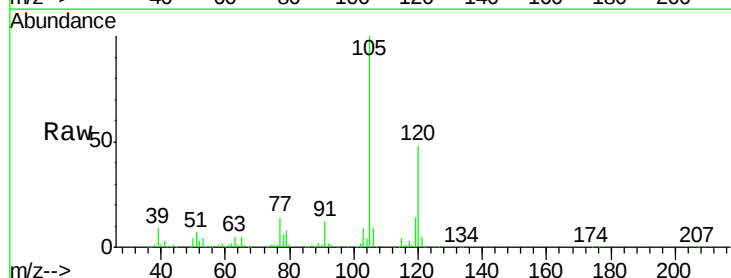
Acq: 12 Nov 2020 12:18

Tgt Ion: 105 Resp: 248346

Ion Ratio Lower Upper

105 100

120 47.1 23.4 70.2



Abundance Ion 105.00 (104.70 to 105.70): VN064574.D (-3411) (-)

Ion 120.00 (119.70 to 120.70): VN064574.D (-3411) (-)

150000

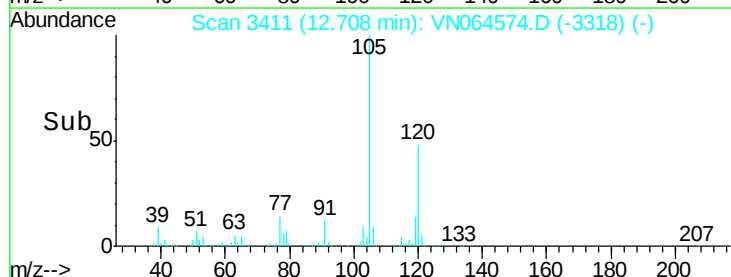
100000

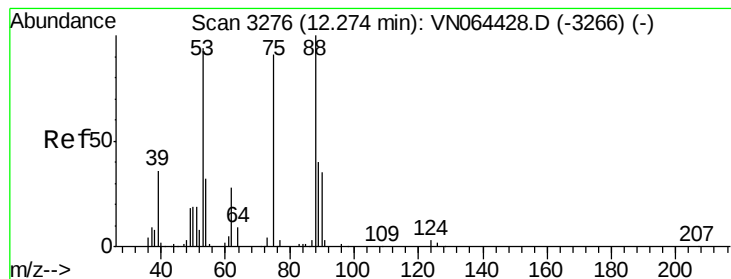
50000

0

12.65 12.70 12.75 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 17.109 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN064574.D

Acq: 12 Nov 2020 12:18

Instrument :

MSVOA_N

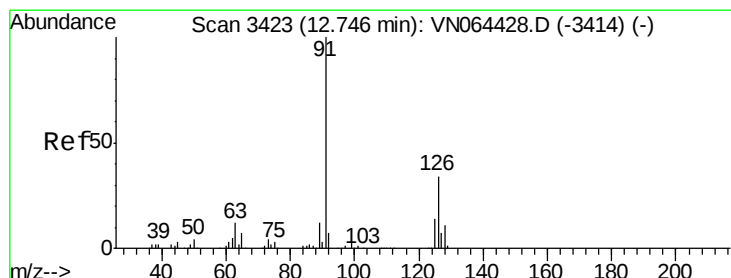
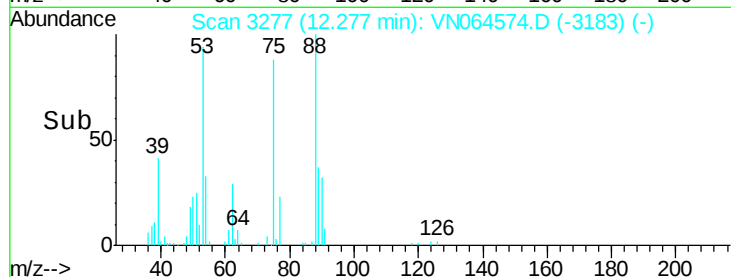
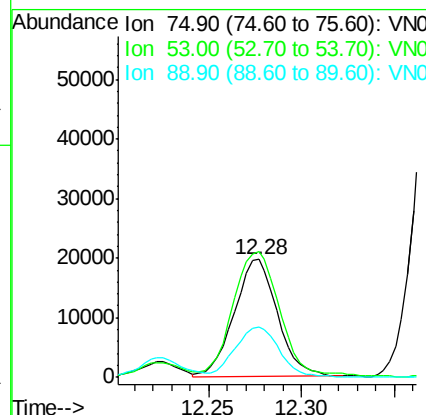
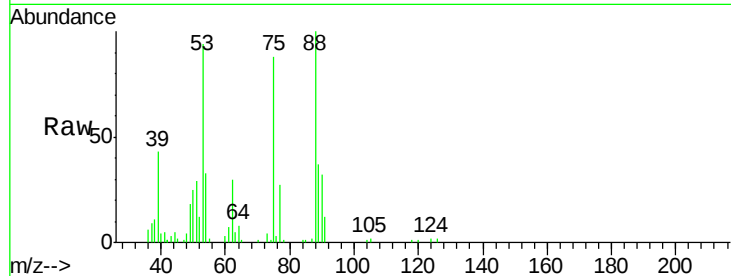
ClientSampleId :

VN1112WBS01

Tot Ion:	75	Resp:	31690
Ion	Ratio	Lower	Upper
75	100		
53	116.0	84.0	126.0
89	44.8	36.3	54.5

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#82

4-Chlorotoluene

Concen: 17.887 ug/l

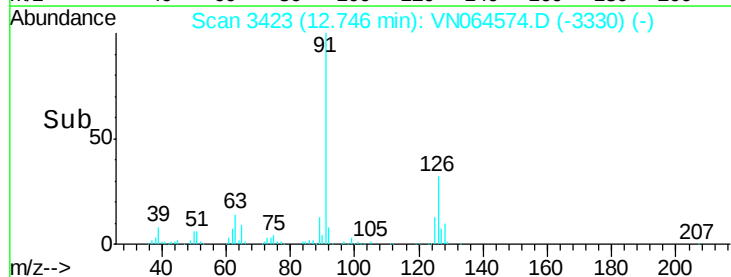
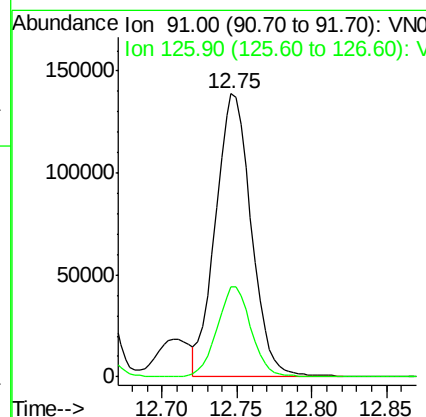
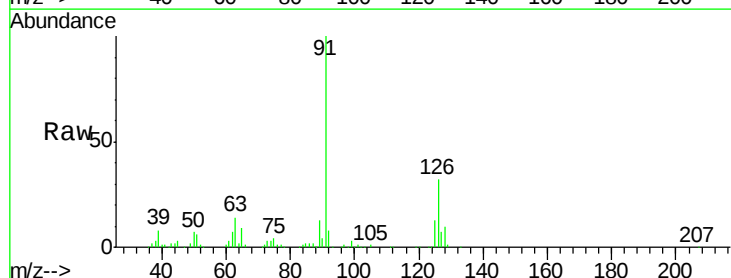
RT: 12.75 min Scan# 3423

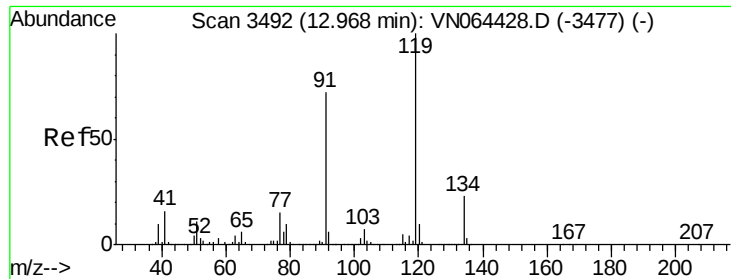
Delta R.T. -0.00 min

Lab File: VN064574.D

Acq: 12 Nov 2020 12:18

Tgt Ion:	91	Resp:	229793
Ion	Ratio	Lower	Upper
91	100		
126	30.6	15.4	46.2





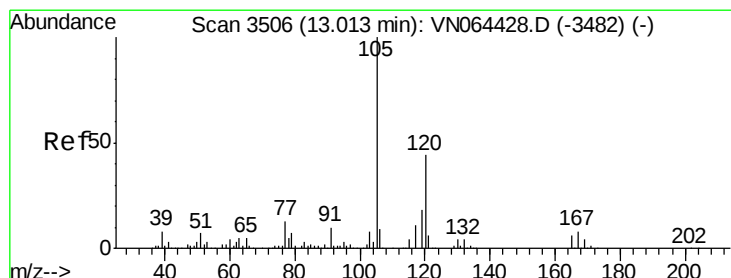
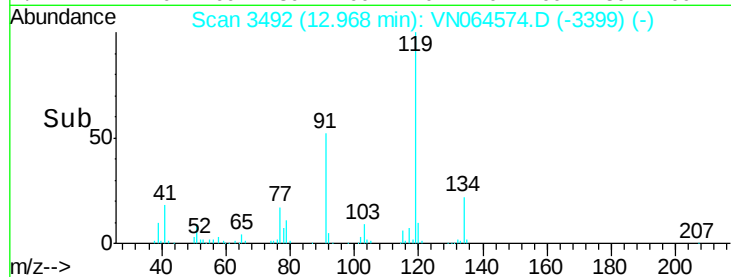
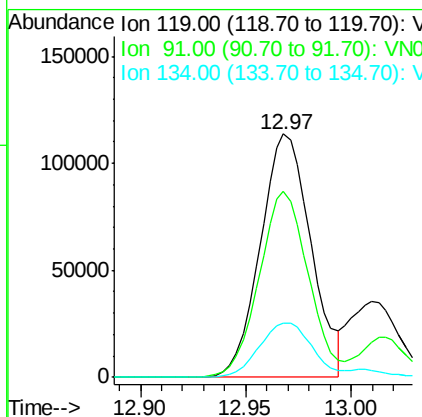
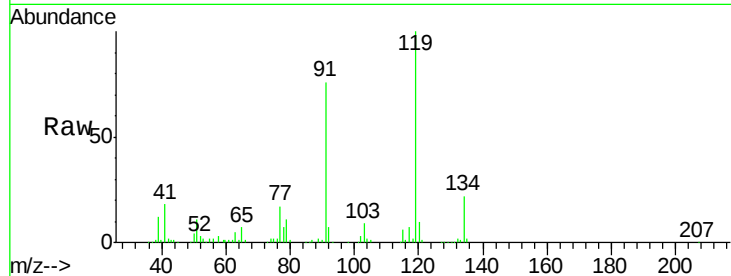
#83
tert-Butylbenzene
Concen: 17.389 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. -0.00 min
Lab File: VN064574.D
Acq: 12 Nov 2020 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	190072		
91	74.5	36.1	108.3	
134	23.2	11.7	35.1	

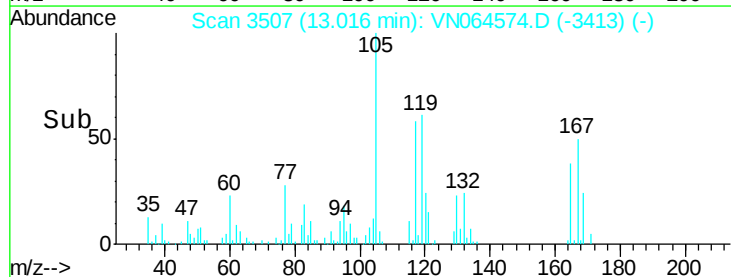
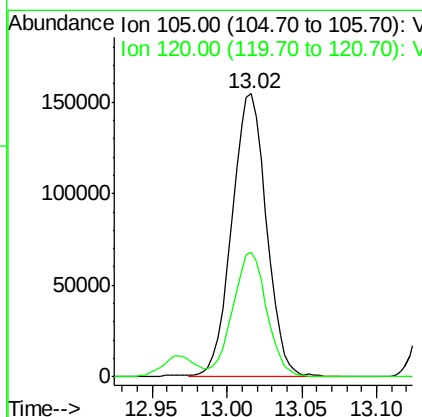
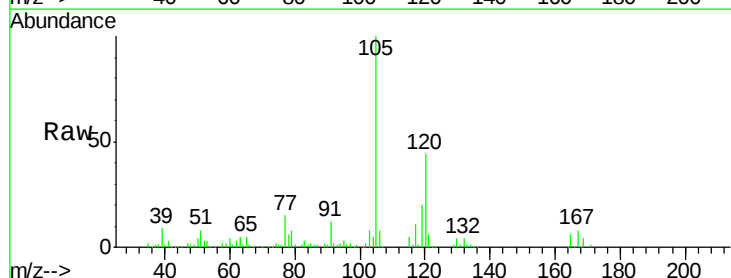
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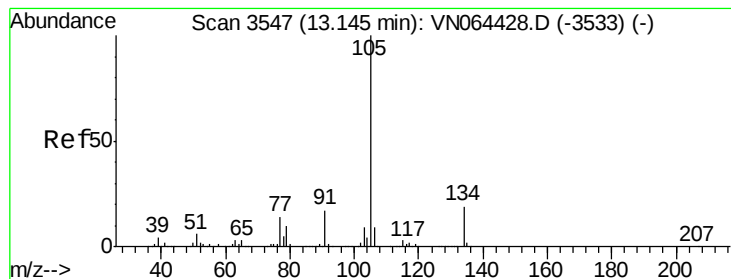
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#84
1,2,4-Trimethylbenzene
Concen: 17.517 ug/l
RT: 13.02 min Scan# 3507
Delta R.T. 0.00 min
Lab File: VN064574.D
Acq: 12 Nov 2020 12:18

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	246458		
120	43.8	21.9	65.7	





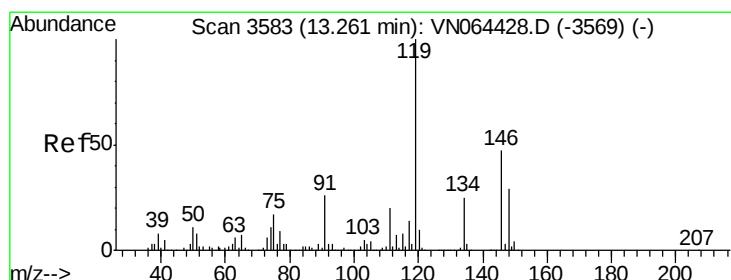
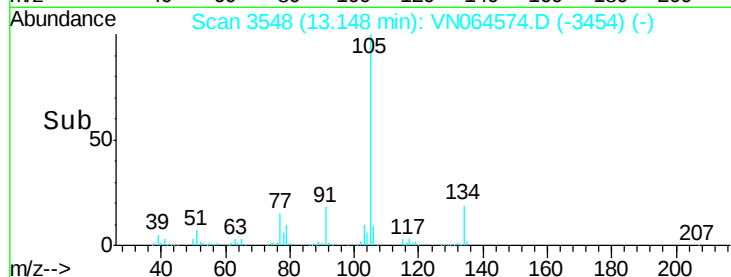
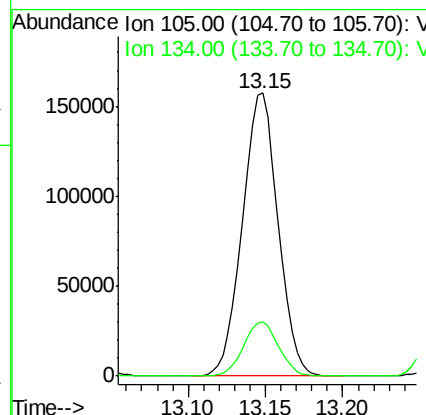
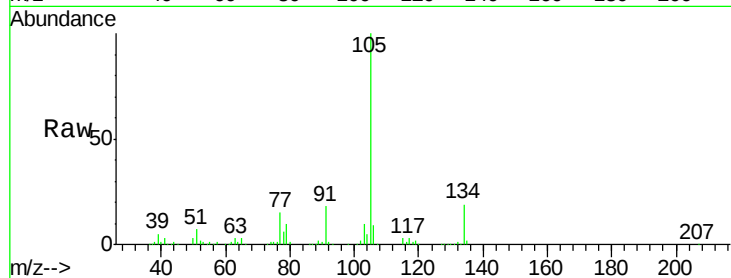
#85
 sec-Butylbenzene
 Concen: 18.129 ug/l
 RT: 13.15 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN064574.D
 Acq: 12 Nov 2020 12:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112WBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	250969		
134	18.9	9.4	28.2	

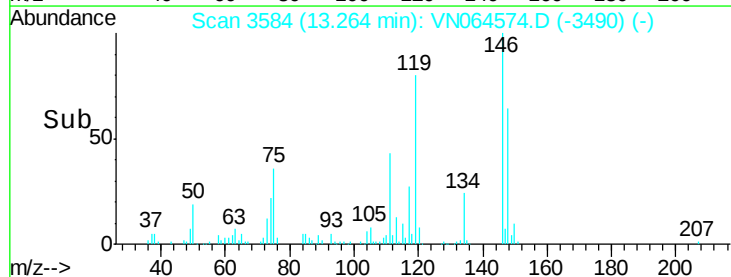
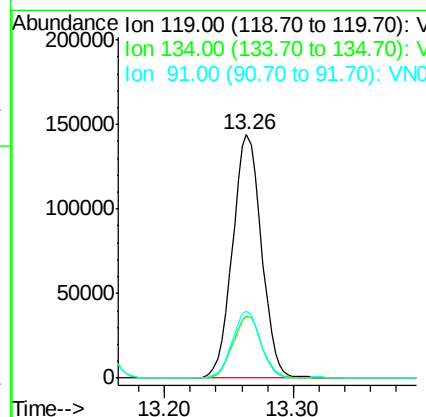
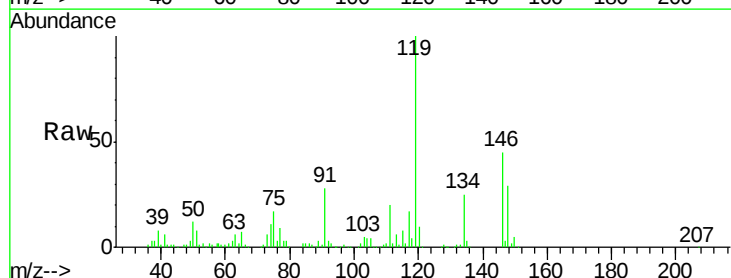
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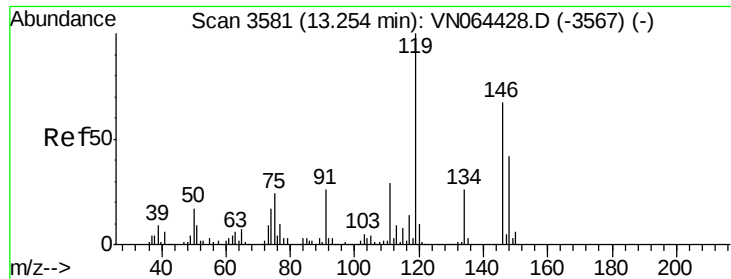
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#86
 p-Isopropyltoluene
 Concen: 17.919 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN064574.D
 Acq: 12 Nov 2020 12:18

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	223129		
134	25.5	12.6	37.6	
91	26.5	12.8	38.3	





#87

1,3-Dichlorobenzene

Concen: 17.916 ug/l

RT: 13.26 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN064574.D

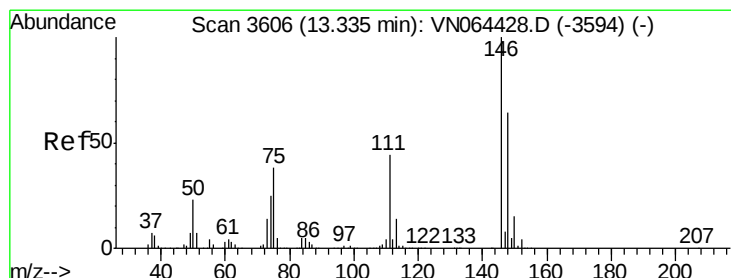
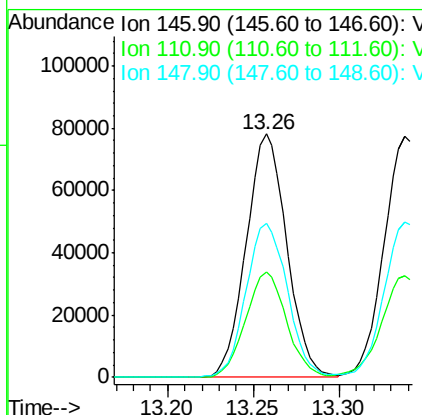
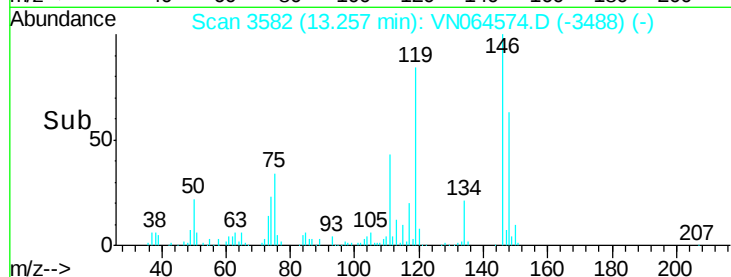
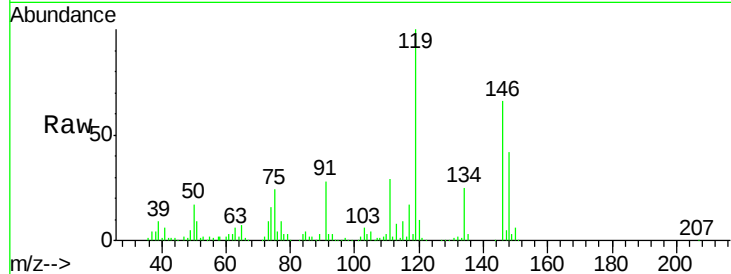
Acq: 12 Nov 2020 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	128275		
111	43.4	22.1	66.1	
148	64.6	31.7	95.1	

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#88

1,4-Dichlorobenzene

Concen: 17.893 ug/l

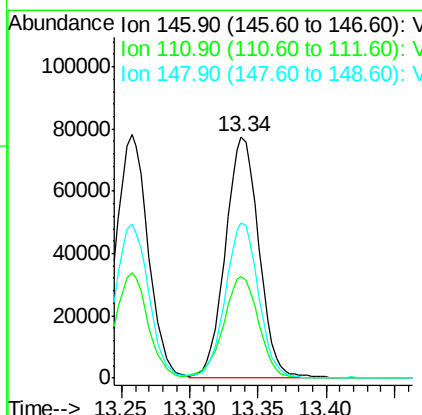
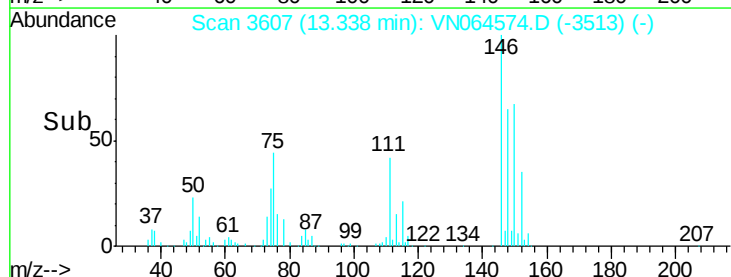
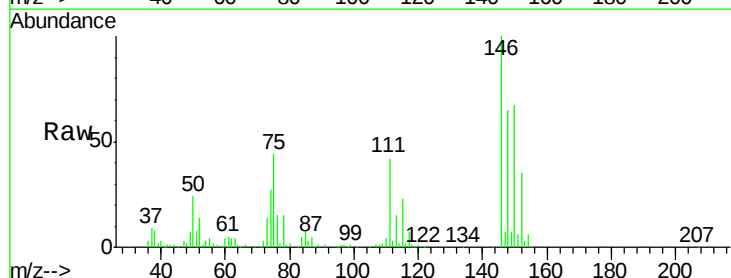
RT: 13.34 min Scan# 3607

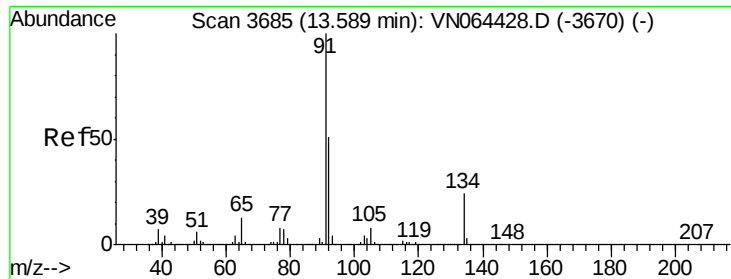
Delta R.T. 0.00 min

Lab File: VN064574.D

Acq: 12 Nov 2020 12:18

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	132394		
111	43.8	21.8	65.3	
148	63.8	32.4	97.2	





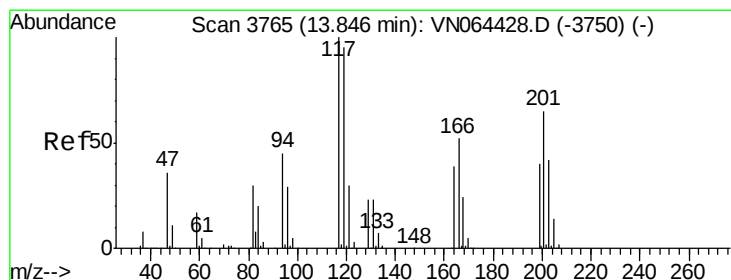
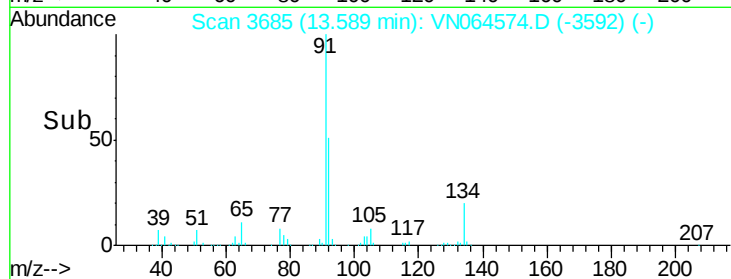
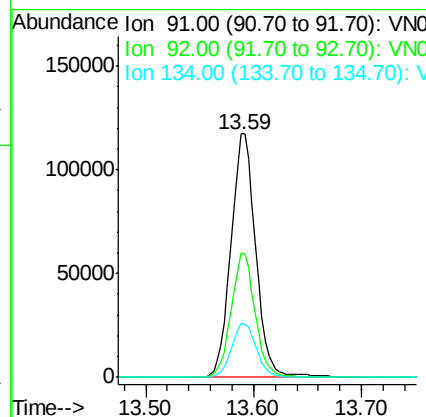
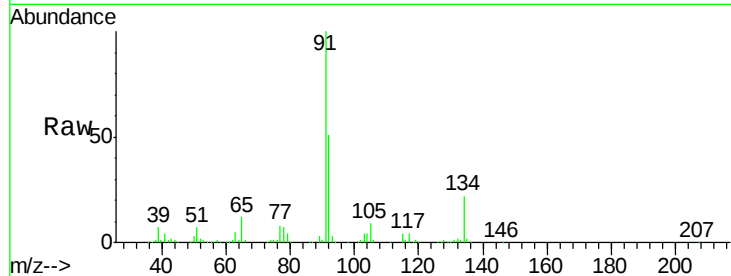
#89
n-Butylbenzene
Concen: 17.535 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN064574.D
Acq: 12 Nov 2020 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	49.3	25.3	75.9
134	22.0	11.8	35.4

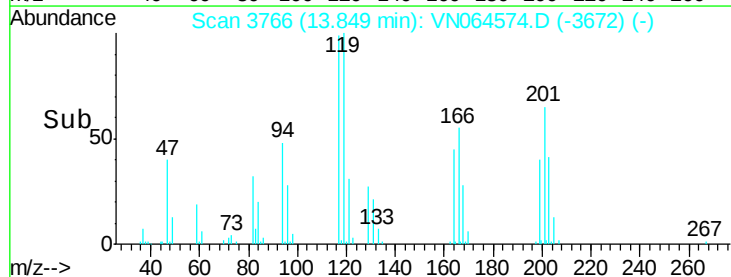
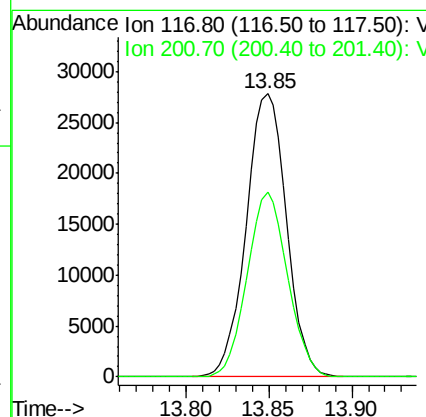
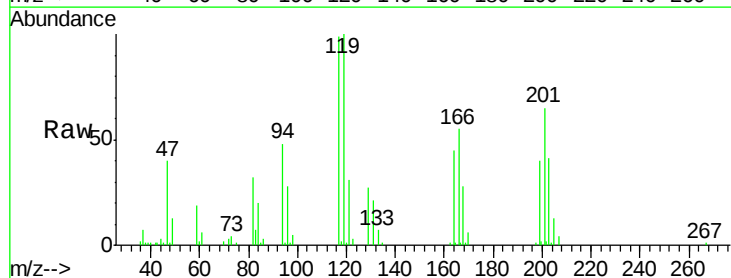
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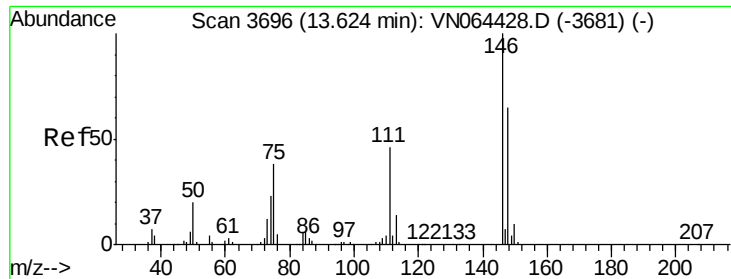
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#90
Hexachloroethane
Concen: 19.622 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN064574.D
Acq: 12 Nov 2020 12:18

Tgt Ion	Ratio	Lower	Upper
117	100		
201	65.1	32.5	97.5





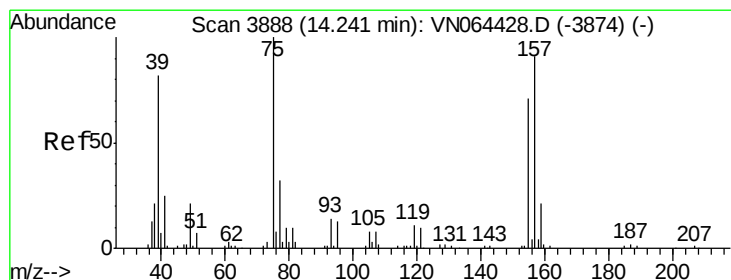
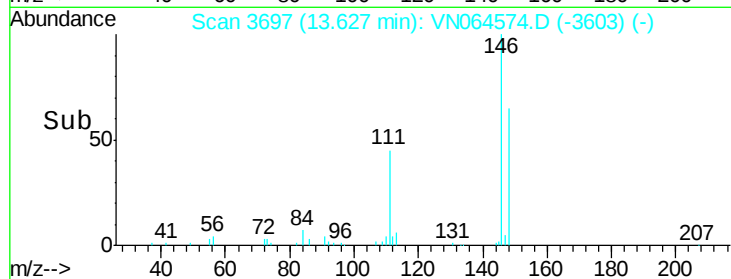
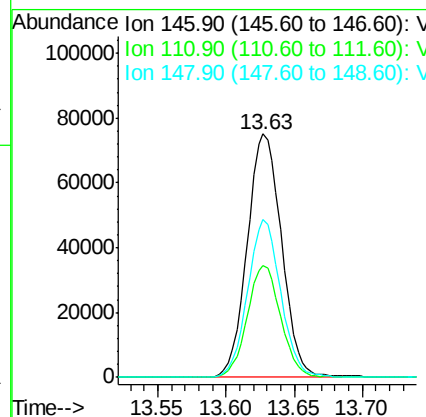
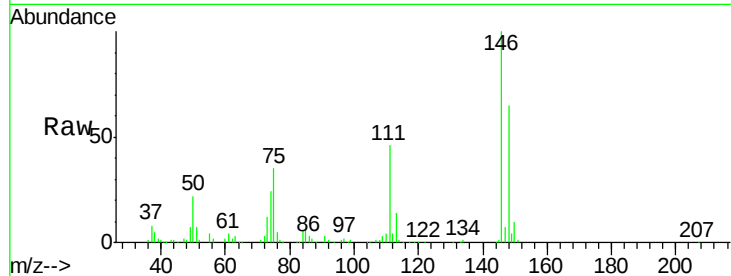
#91
 1,2-Dichlorobenzene
 Concen: 19.080 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064574.D
 Acq: 12 Nov 2020 12:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.7	22.9	68.7
148	62.4	32.0	96.2

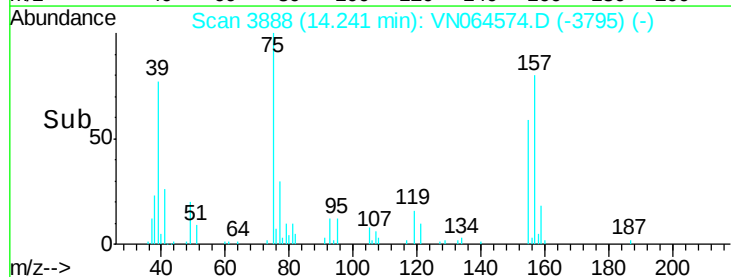
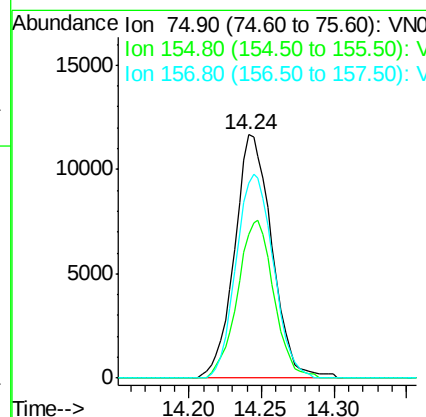
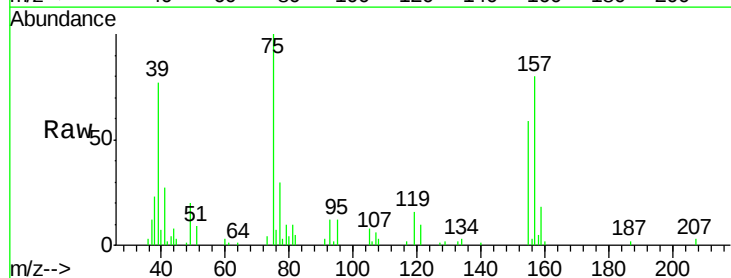
Manual Integrations
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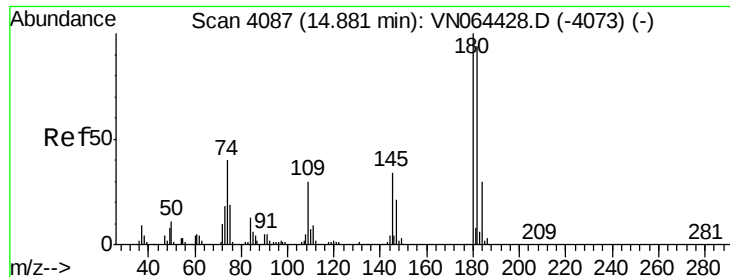
MMDadoda
 11/13/2020 11:42:12 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.133 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN064574.D
 Acq: 12 Nov 2020 12:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	62.6	34.6	103.9
157	83.5	43.0	128.8





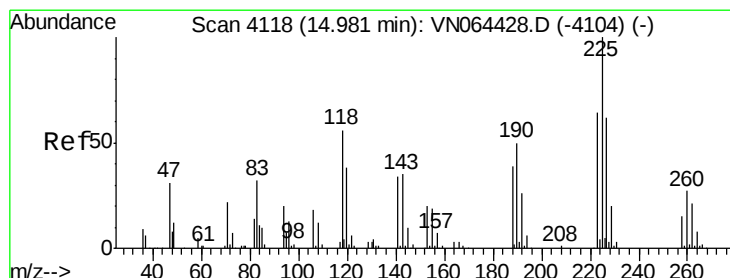
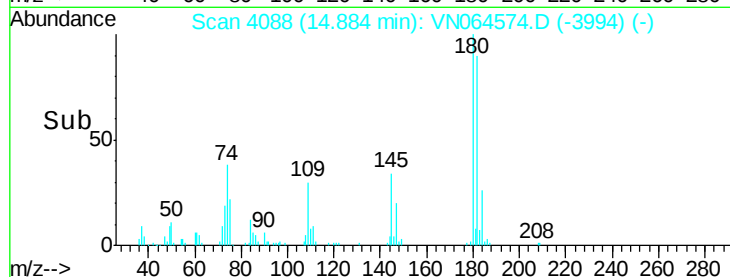
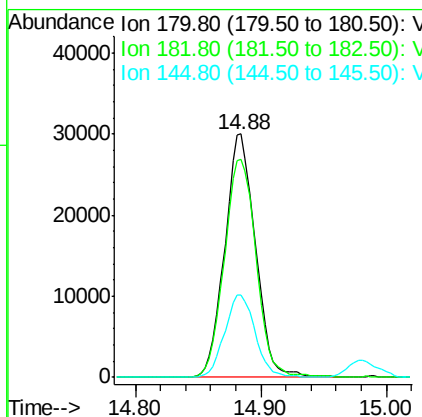
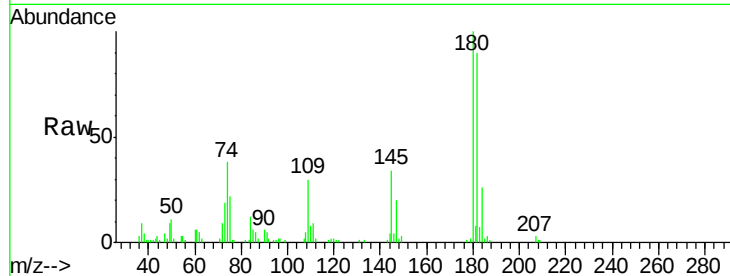
#93
 1,2,4-Trichlorobenzene
 Concen: 16.759 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN064574.D
 Acq: 12 Nov 2020 12:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.0	47.3	142.0
145	33.4	16.7	50.1

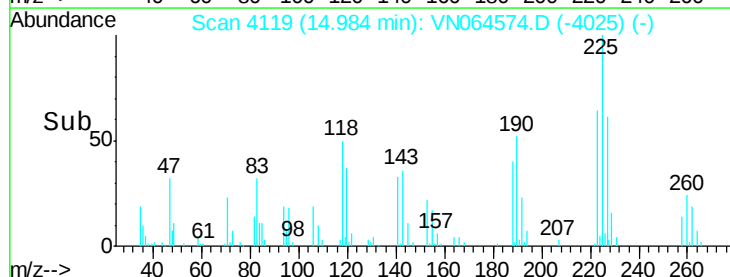
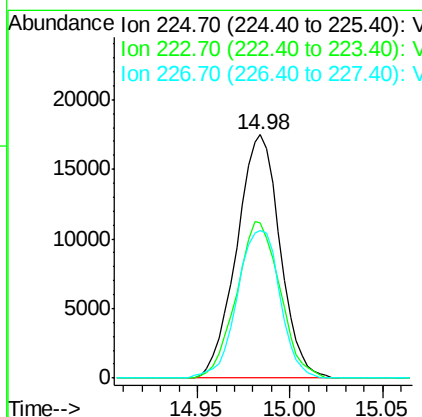
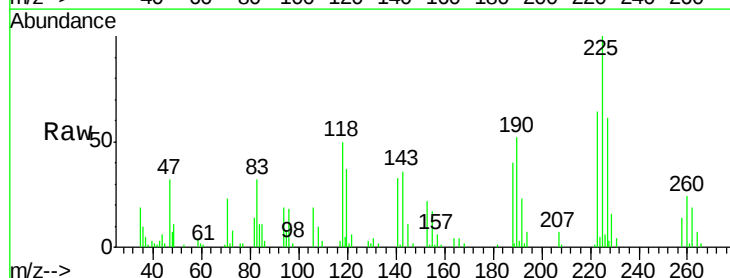
Manual Integrations
 APPROVED

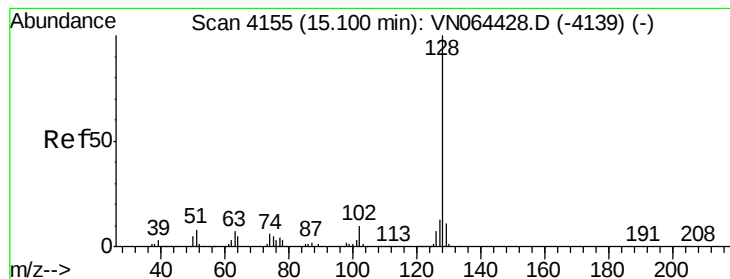
MMDadoda
 11/13/2020 11:42:12 AM



#94
 Hexachlorobutadiene
 Concen: 20.221 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN064574.D
 Acq: 12 Nov 2020 12:18

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.7	31.8	95.4
227	59.7	31.8	95.4





#95

Naphthalene

Concen: 15.682 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064574.D

Acq: 12 Nov 2020 12:18

Instrument :

MSVOA_N

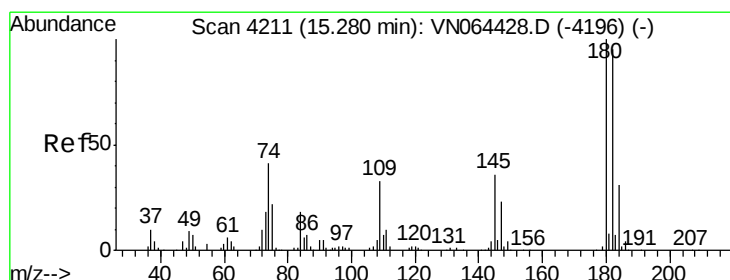
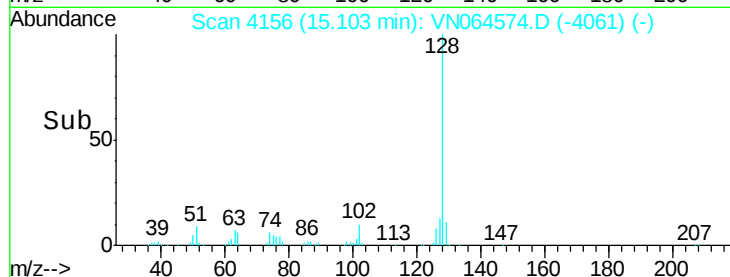
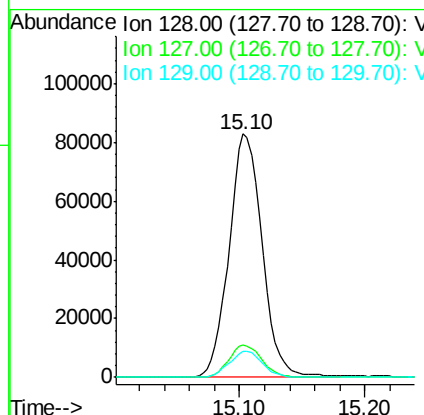
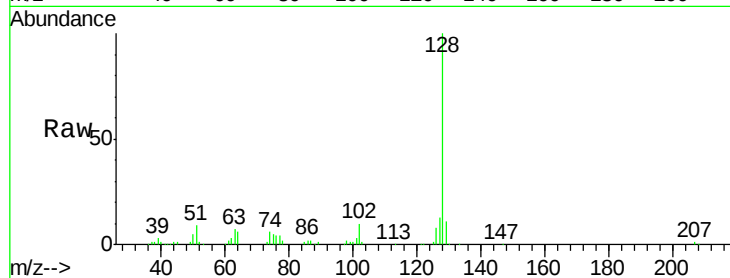
ClientSampleId :

VN1112WBS01

Tot Ion:	128	Resp:	152203
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.5	15.7
129	10.7	8.8	13.2

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 17.652 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN064574.D

Acq: 12 Nov 2020 12:18

Tgt Ion:	180	Resp:	52190
Ion Ratio	Lower	Upper	
180	100		
182	93.0	47.7	143.1
145	35.1	18.3	54.8

