

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111720\
 Data File : VN064685.D
 Acq On : 17 Nov 2020 17:07
 Operator : JC/MD
 Sample : L4772-04MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4MSD

Manual Integrations
 APPROVED

MMDadoda
 11/18/2020 5:15:53 PM

Quant Time: Nov 18 02:58:16 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	7.62	168	323960	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	558510	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	532754	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	282888	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	261057	46.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.52%	
35) Dibromofluoromethane	7.55	113	189348	49.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.58%	
50) Toluene-d8	10.06	98	699759	47.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.22%	
62) 4-Bromofluorobenzene	12.38	95	284001	51.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	192116	45.556	ug/l	98
3) Chloromethane	2.04	50	219481	42.848	ug/l	98
4) Vinyl Chloride	2.17	62	246952	46.948	ug/l	98
5) Bromomethane	2.53	94	160623	47.799	ug/l	99
6) Chloroethane	2.67	64	156475	46.463	ug/l	98
7) Trichlorofluoromethane	2.99	101	394791	50.970	ug/l	99
8) Diethyl Ether	3.38	74	132547	48.459	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.71	101	176653	48.028	ug/l	99
10) Methyl Iodide	3.91	142	208297	48.737	ug/l	100
11) Tert butyl alcohol	4.74	59	182053	292.552	ug/l #	84
12) 1,1-Dichloroethene	3.69	96	163690	47.246	ug/l	93
13) Acrolein	3.57	56	95417	247.194	ug/l	96
14) Allyl chloride	4.28	41	293972	43.374	ug/l	97
15) Acrylonitrile	4.93	53	436440	251.908	ug/l	98
16) Acetone	3.78	43	419914	195.356	ug/l	100
17) Carbon Disulfide	4.01	76	440242	42.490	ug/l	96
18) Methyl Acetate	4.28	43	207701	49.150	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	607240	48.697	ug/l	100
20) Methylene Chloride	4.50	84	197400	46.287	ug/l	94
21) trans-1,2-Dichloroethene	4.99	96	182540	46.402	ug/l	98
22) Diisopropyl ether	5.90	45	657087	45.672	ug/l	98
23) Vinyl Acetate	5.85	43	2723120	232.668	ug/l	97
24) 1,1-Dichloroethane	5.79	63	363922	46.032	ug/l	99
25) 2-Butanone	6.79	43	617365	225.420	ug/l	94
26) 2,2-Dichloropropane	6.78	77	332807	46.503	ug/l	96
27) cis-1,2-Dichloroethene	6.78	96	255282	56.003	ug/l	94
28) Bromochloromethane	7.15	49	169733	43.678	ug/l	92
29) Tetrahydrofuran	7.17	42	407521	242.532	ug/l	97
30) Chloroform	7.33	83	396902	47.761	ug/l	98
31) Cyclohexane	7.61	56	288786	42.100	ug/l	93
32) 1,1,1-Trichloroethane	7.53	97	359901	48.829	ug/l	97
36) 1,1-Dichloropropene	7.75	75	279870	47.434	ug/l	99
37) Ethyl Acetate	6.88	43	264701	44.291	ug/l	99
38) Carbon Tetrachloride	7.74	117	308977	48.998	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	278439	52.643	ug/l	99
40) Benzene	8.00	78	802302	46.274	ug/l	100
41) Methacrylonitrile	7.13	41	120987m	46.251	ug/l	
42) 1,2-Dichloroethane	8.08	62	334031	47.740	ug/l	100
43) Isopropyl Acetate	8.13	43	464478	48.576	ug/l	98
44) Trichloroethene	8.80	130	205191	46.908	ug/l	99
45) 1,2-Dichloropropane	9.08	63	214255	46.314	ug/l	98
46) Dibromomethane	9.17	93	153361	50.359	ug/l	98
47) Bromodichloromethane	9.37	83	324351	49.533	ug/l	99
48) Methyl methacrylate	9.16	41	234884	48.681	ug/l	99
49) 1,4-Dioxane	9.16	88	67587	1063.501	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	1452801	260.535	ug/l	99
52) Toluene	10.12	92	507710	48.012	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	347913	50.116	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	348645	46.972	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	215465	52.246	ug/l	98
56) Ethyl methacrylate	10.40	69	314884	46.539	ug/l	97
57) 1,3-Dichloropropane	10.68	76	346627	48.153	ug/l	99
59) 2-Hexanone	10.72	43	1075828	236.814	ug/l	99
60) Dibromochloromethane	10.87	129	240122	52.004	ug/l	100
61) 1,2-Dibromoethane	10.97	107	216746	51.814	ug/l	98
64) Tetrachloroethene	10.60	164	184716	45.011	ug/l	98
65) Chlorobenzene	11.41	112	559091	47.871	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	218667	50.187	ug/l	98
67) Ethyl Benzene	11.48	91	3177249	152.943	ug/l	97
68) m/p-Xylenes	11.60	106	1305509	173.283	ug/l	100
69) o-Xylene	11.92	106	426873	58.635	ug/l	100
70) Stvrene	11.94	104	643014	52.488	ug/l	99
71) Bromoform	12.10	173	157216	48.105	ug/l #	98
73) Isopropylbenzene	12.22	105	3634040	161.622	ug/l	98
74) N-amyl acetate	12.04	43	512746	47.091	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	12.48	83	315542	45.689	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	302469m	44.129	ug/l	
77) Bromobenzene	12.50	156	236638	43.107	ug/l	94
78) n-propylbenzene	12.56	91	5546975	216.388	ug/l	94
79) 2-Chlorotoluene	12.65	91	1004875	61.806	ug/l	84
80) 1,3,5-Trimethylbenzene	12.71	105	1757031	94.722	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	106569	43.412	ug/l	93
82) 4-Chlorotoluene	12.75	91	772013	45.341	ug/l	99
83) tert-Butylbenzene	12.97	119	1052732	72.666	ug/l	99
84) 1,2,4-Trimethylbenzene	13.02	105	12141716m	651.128	ug/l	
85) sec-Butylbenzene	13.14	105	2491312	135.783	ug/l	85
86) p-Isopropyltoluene	13.26	119	1331686	80.691	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	461382	48.621	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	484650	49.421	ug/l	99
89) n-Butylbenzene	13.59	91	1634045	115.158	ug/l #	86
90) Hexachloroethane	13.86	117	387021	121.567	ug/l #	55
91) 1,2-Dichlorobenzene	13.63	146	467863	51.256	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.24	75	85800	62.399	ug/l	96
93) 1,2,4-Trichlorobenzene	14.88	180	262768	57.467	ug/l #	84

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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)
94) Hexachlorobutadiene	14.98	225	114538	61.631	ug/l	99
95) Naphthalene	15.10	128	2298696	141.043	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	258686	58.410	ug/l	99

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

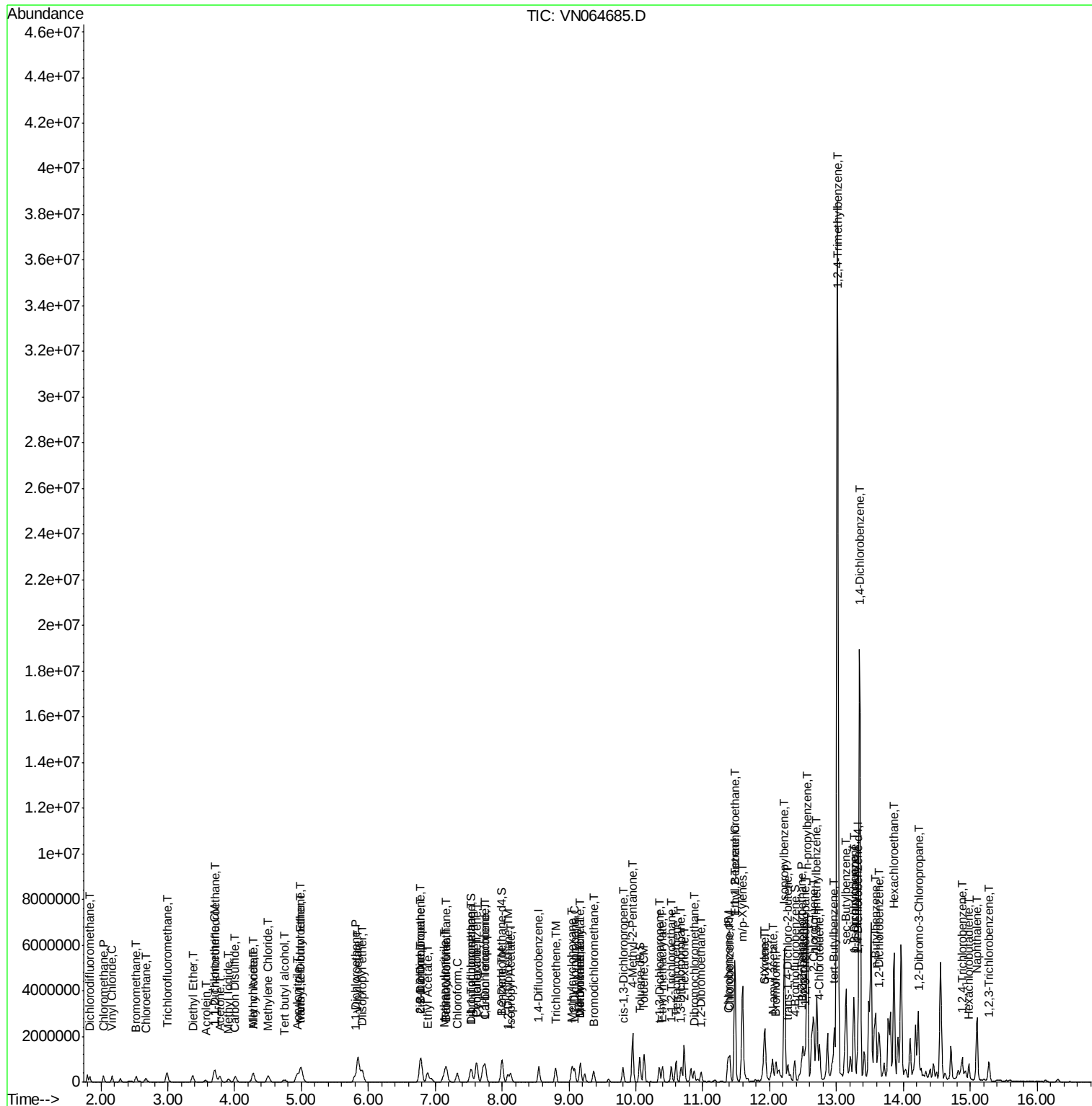
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111720\
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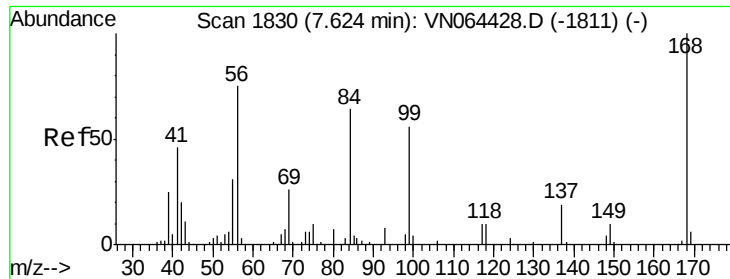
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN064685.D

Acq: 17 Nov 2020 17:07

Instrument :

MSVOA_N

ClientSampleId :

MW-4MSD

Tot Ion:168 Resp: 323960

Ion Ratio Lower Upper

168 100

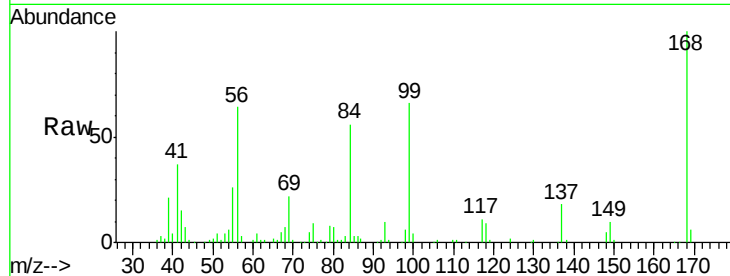
99 66.2 53.4 80.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

150000

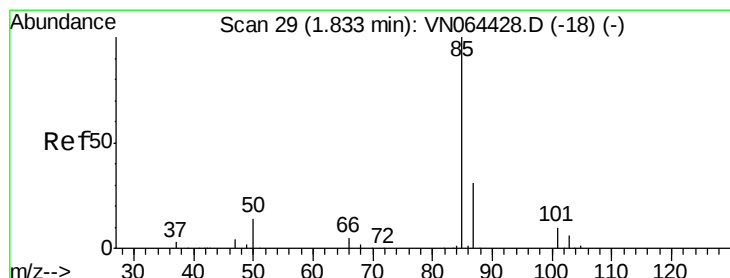
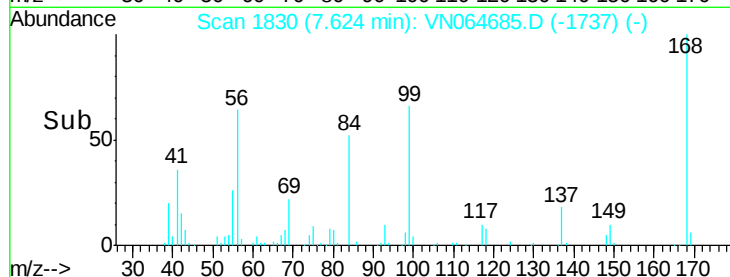
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50000

0

7.50 7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 45.556 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064685.D

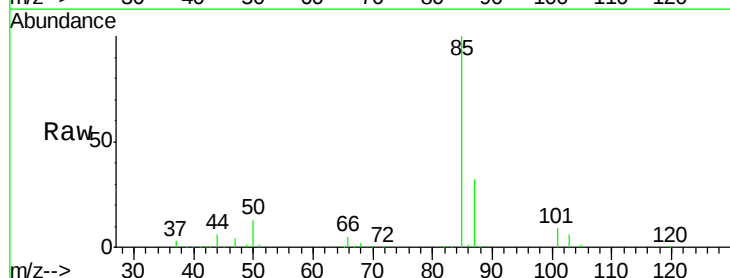
Acq: 17 Nov 2020 17:07

Tgt Ion: 85 Resp: 192116

Ion Ratio Lower Upper

85 100

87 32.3 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

150000

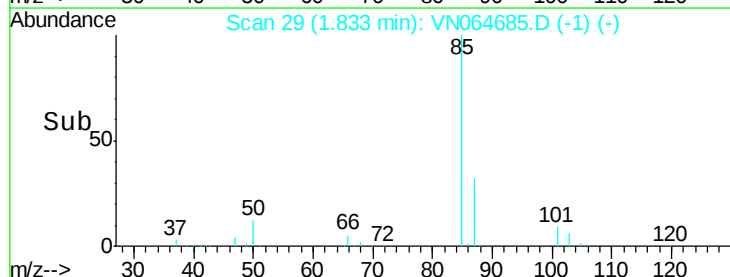
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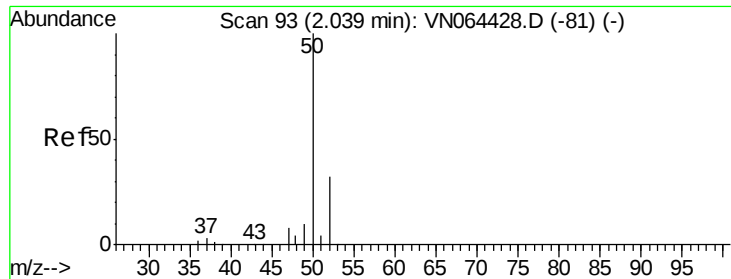
50000

0

1.75 1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 42.848 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064685.D

Acq: 17 Nov 2020 17:07

Instrument :

MSVOA_N

ClientSampleId :

MW-4MSD

Tot Ion: 50 Resp: 219481

Ion Ratio Lower Upper

50 100

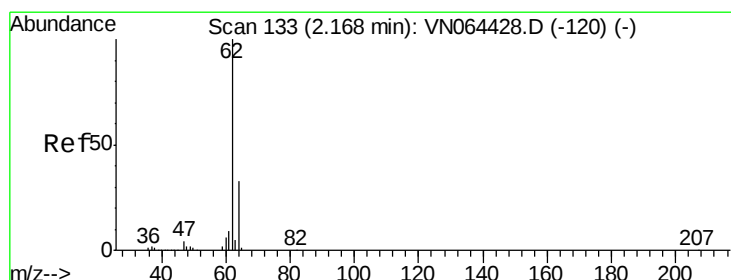
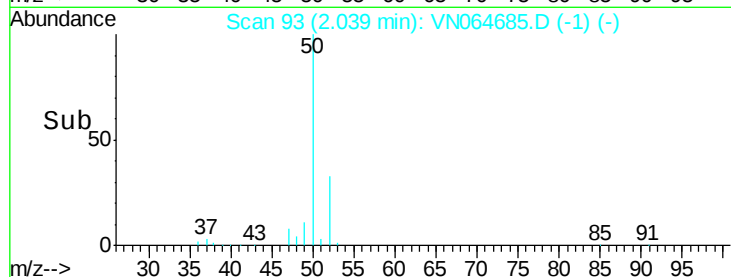
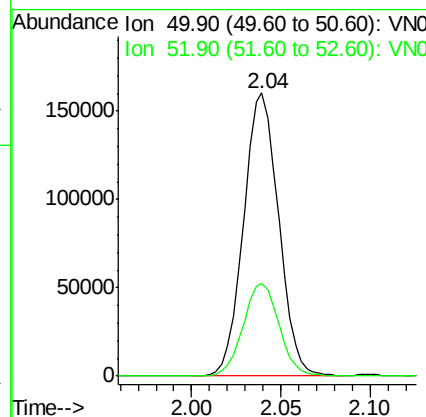
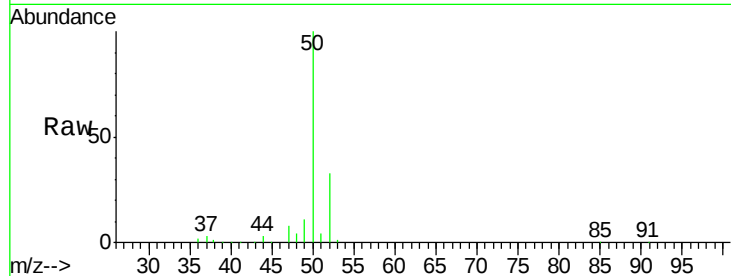
52 32.9 25.3 37.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 46.948 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN064685.D

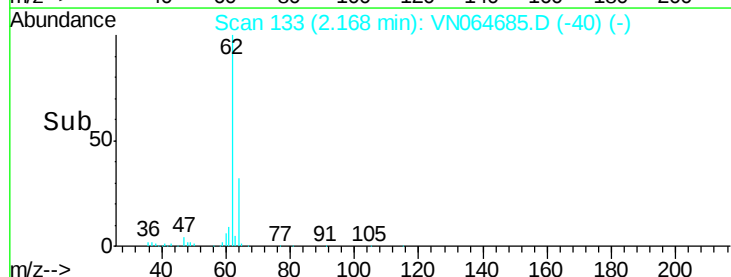
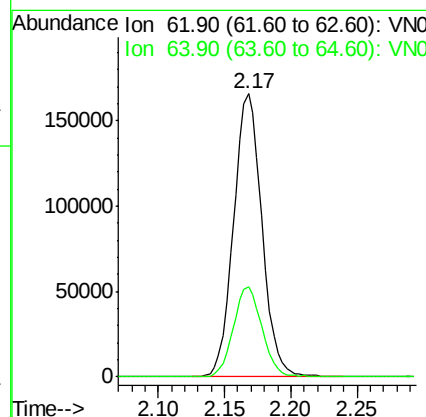
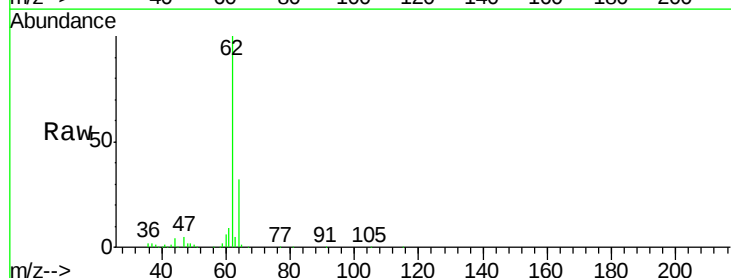
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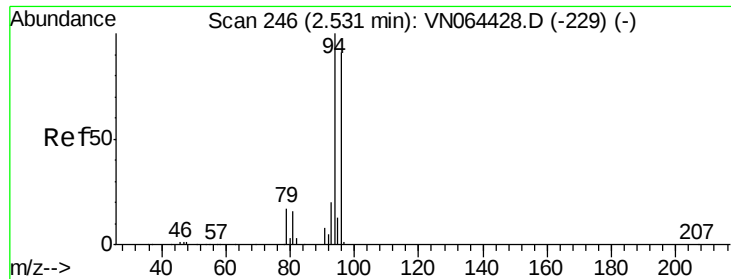
Tgt Ion: 62 Resp: 246952

Ion Ratio Lower Upper

62 100

64 31.9 26.3 39.5





#5

Bromomethane

Concen: 47.799 ug/l

RT: 2.53 min Scan# 245

Delta R.T. -0.00 min

Lab File: VN064685.D

Acq: 17 Nov 2020 17:07

Instrument :

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ClientSampleId :

MW-4MSD

Tot Ion: 94 Resp: 160623

Ion Ratio Lower Upper

94 100

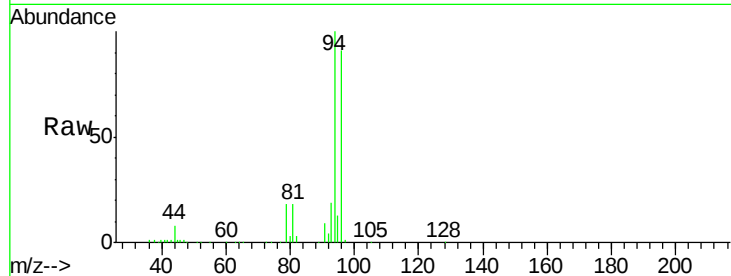
96 90.6 73.1 109.7

Manual Integrations

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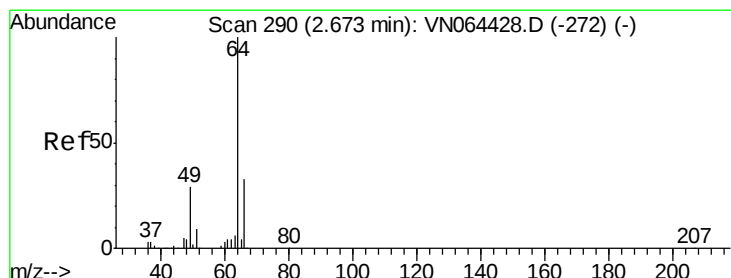
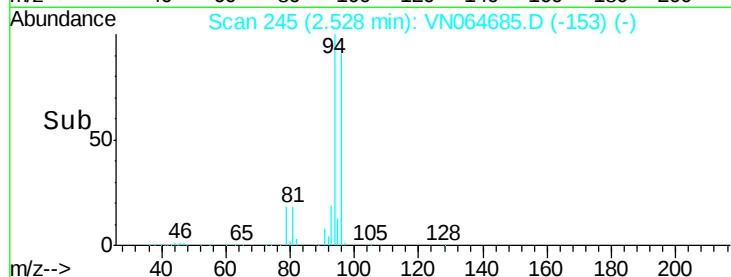
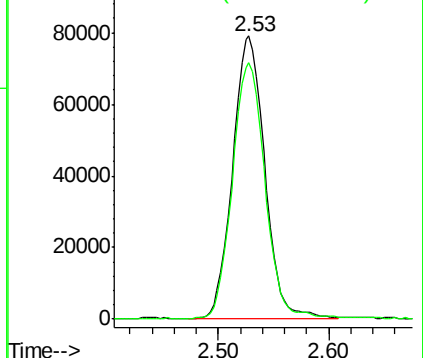
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 46.463 ug/l

RT: 2.67 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN064685.D

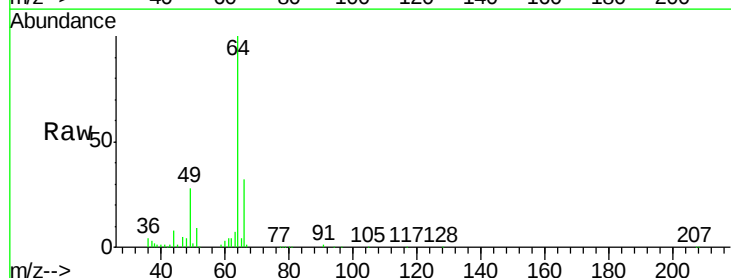
Acq: 17 Nov 2020 17:07

Tgt Ion: 64 Resp: 156475

Ion Ratio Lower Upper

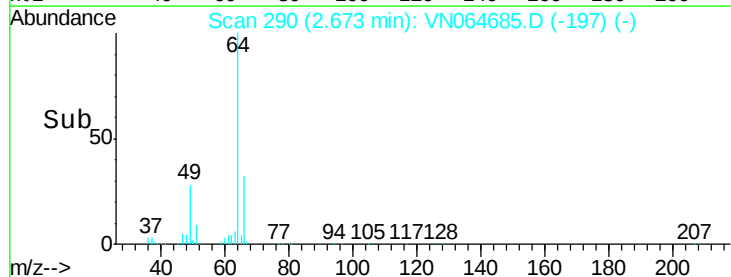
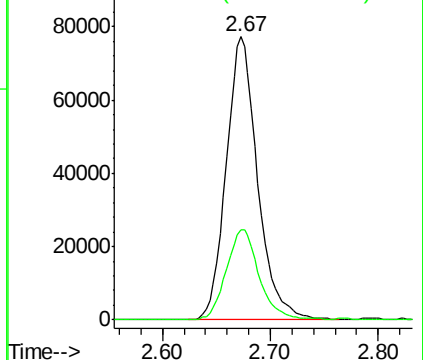
64 100

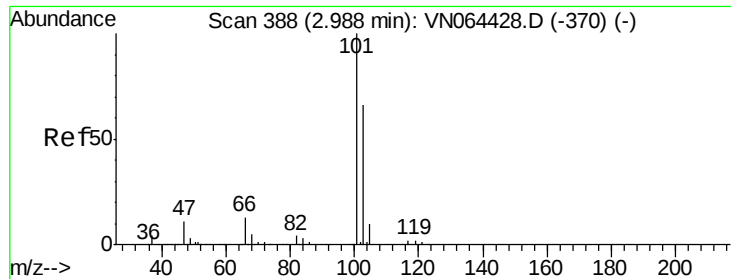
66 31.7 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

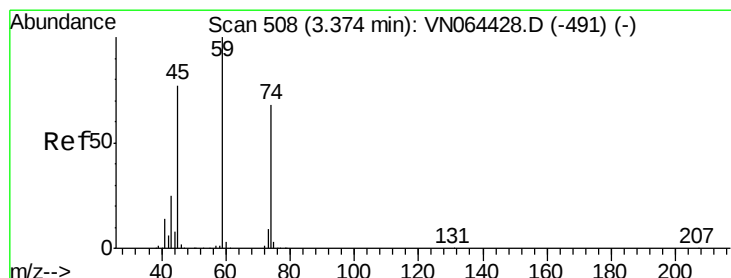
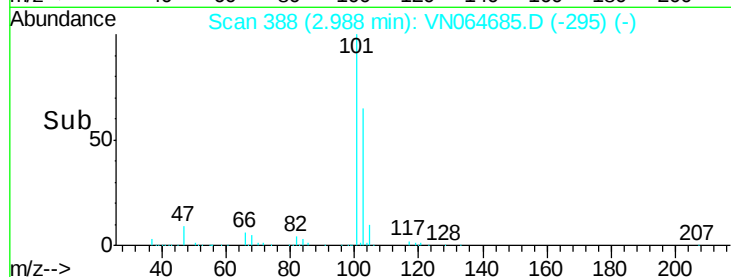
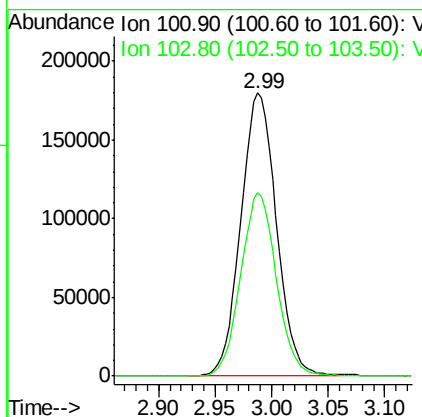
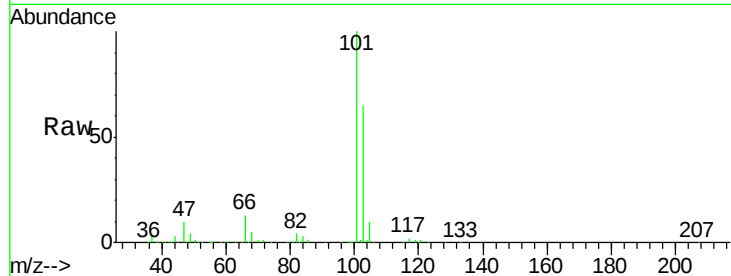
Trichlorofluoromethane
 Concen: 50.970 ug/l
 RT: 2.99 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN064685.D
 Acq: 17 Nov 2020 17:07

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	52.4	78.6

Manual Integrations
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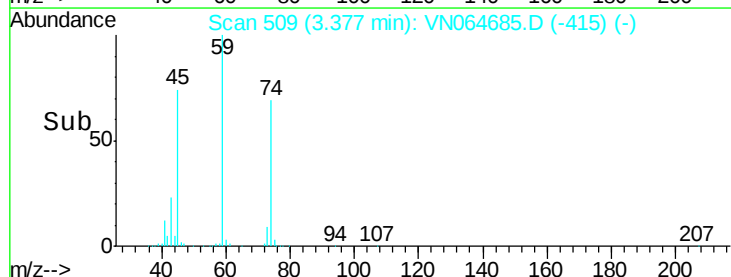
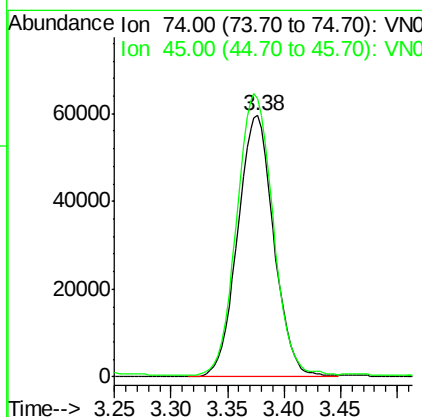
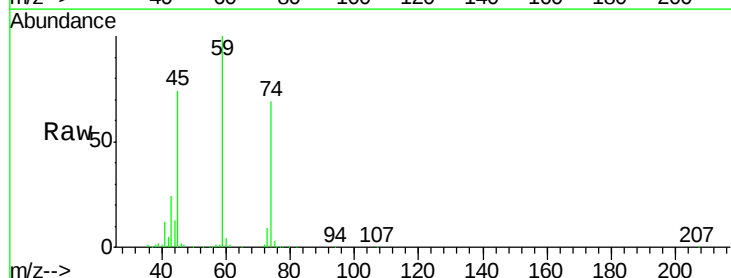
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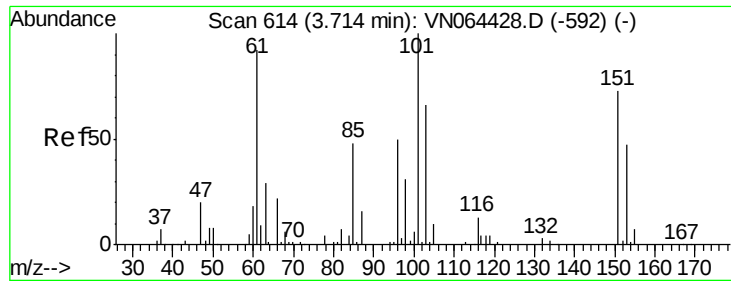


#8

Diethyl Ether
 Concen: 48.459 ug/l
 RT: 3.38 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN064685.D
 Acq: 17 Nov 2020 17:07

Tgt Ion	Ratio	Lower	Upper
74	100		
45	108.6	55.9	167.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.028 ug/l

RT: 3.71 min Scan# 614

Delta R.T. 0.00 min

Lab File: VN064685.D

Acq: 17 Nov 2020 17:07

Instrument :

MSVOA_N

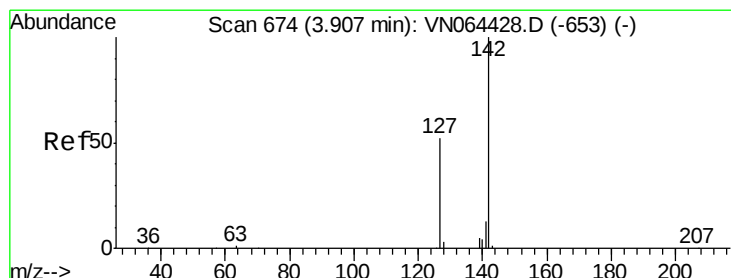
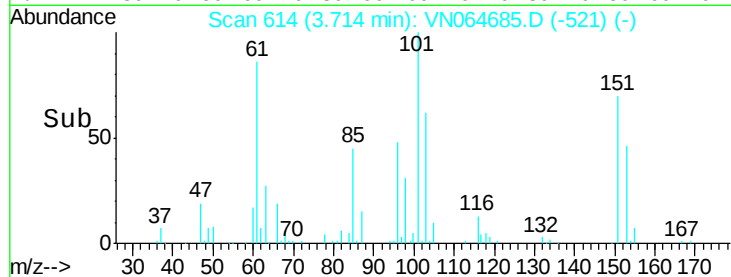
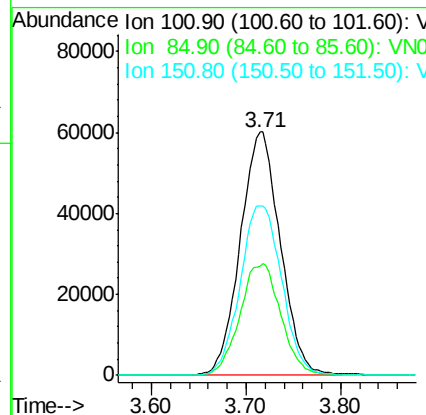
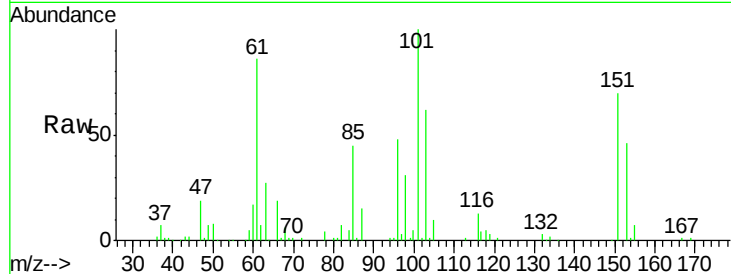
ClientSampleId :

MW-4MSD

Tot Ion:	101	Resp:	176653
Ion Ratio	Lower	Upper	
101	100		
85	47.1	38.6	57.8
151	72.3	57.5	86.3

Manual Integrations
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#10

Methyl Iodide

Concen: 48.737 ug/l

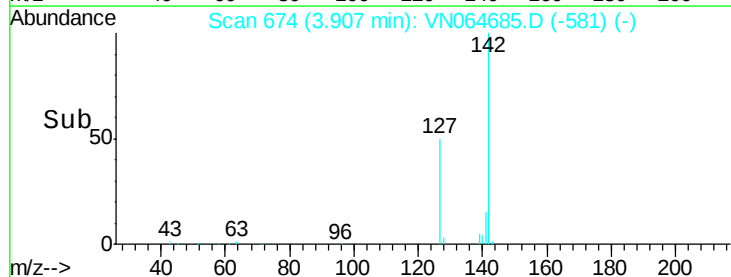
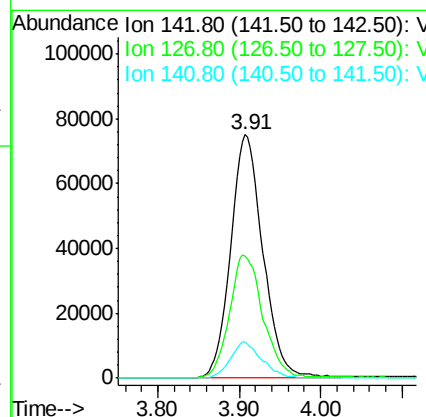
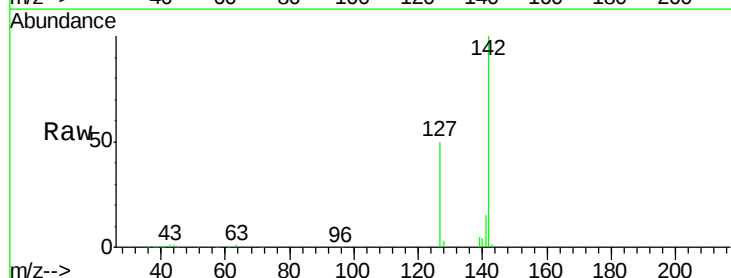
RT: 3.91 min Scan# 674

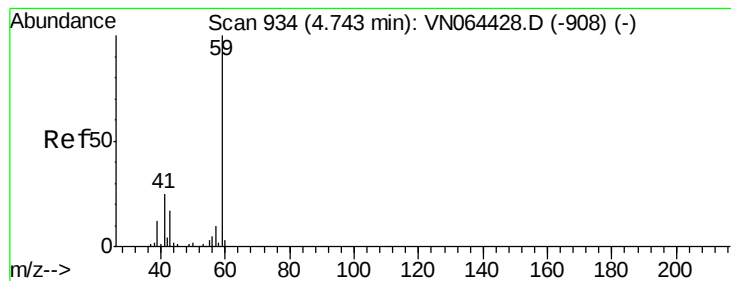
Delta R.T. 0.00 min

Lab File: VN064685.D

Acq: 17 Nov 2020 17:07

Tgt Ion:	142	Resp:	208297
Ion Ratio	Lower	Upper	
142	100		
127	52.2	41.8	62.8
141	14.4	11.4	17.2





#11

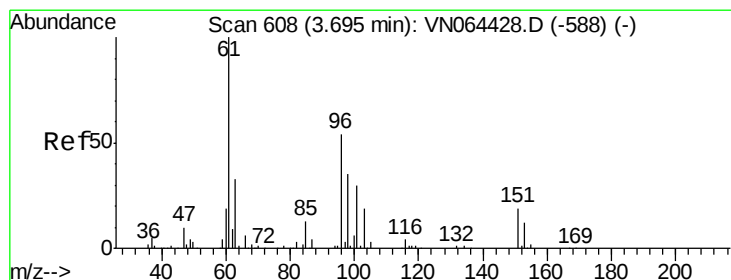
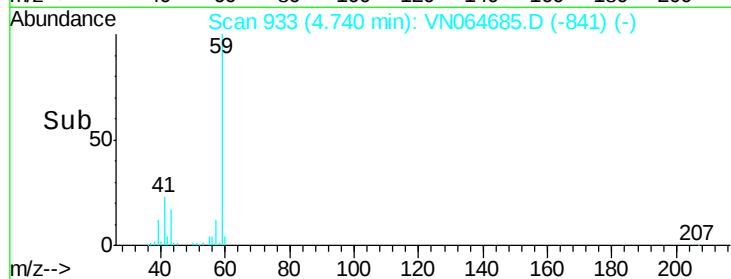
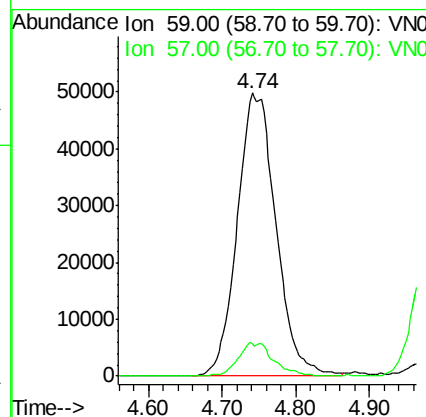
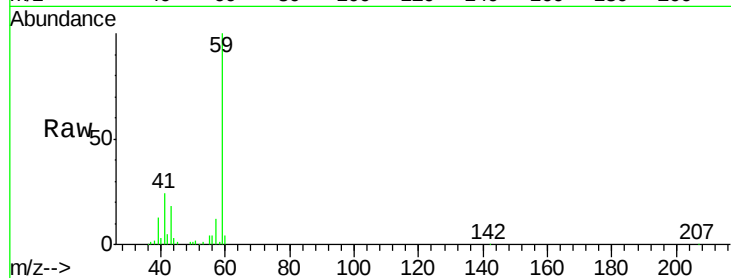
Tert butyl alcohol
Concen: 292.552 ug/l
RT: 4.74 min Scan# 933
Delta R.T. -0.00 min
Lab File: VN064685.D
Acq: 17 Nov 2020 17:07

Instrument :
MSVOA_N
ClientSampled :
MW-4MSD

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.2	9.0	13.4#

Manual Integrations
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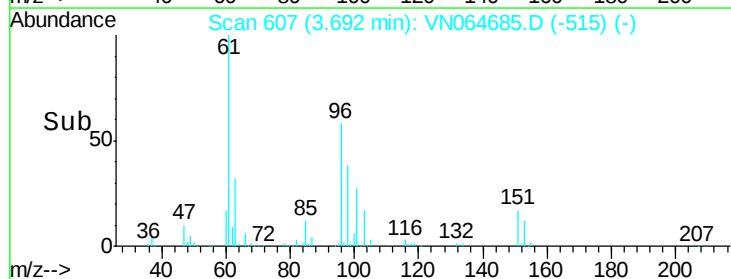
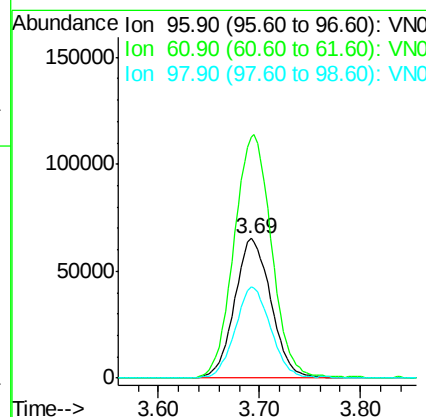
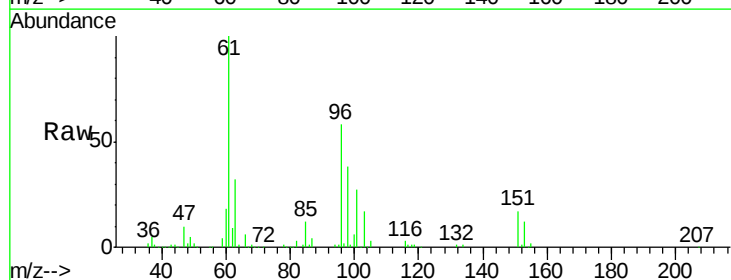
MMDadoda
11/18/2020 5:15:53 PM

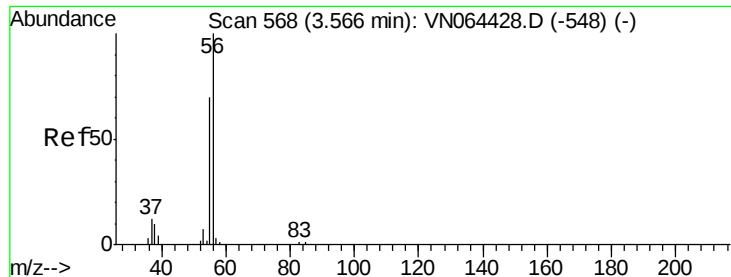


#12

1,1-Dichloroethene
Concen: 47.246 ug/l
RT: 3.69 min Scan# 607
Delta R.T. -0.00 min
Lab File: VN064685.D
Acq: 17 Nov 2020 17:07

Tgt Ion	Ratio	Lower	Upper
96	100		
61	172.9	149.5	224.3
98	65.0	52.4	78.6





#13

Acrolein

Concen: 247.194 ug/l

RT: 3.57 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN064685.D

Acq: 17 Nov 2020 17:07

Instrument :

MSVOA_N

ClientSampleId :

MW-4MSD

Tot Ion: 56 Resp: 95417

Ion Ratio Lower Upper

56 100

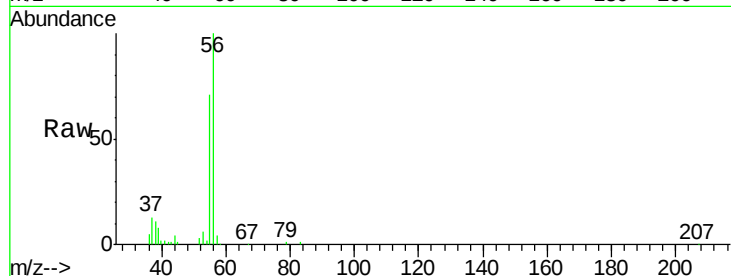
55 73.0 55.9 83.9

Manual Integrations

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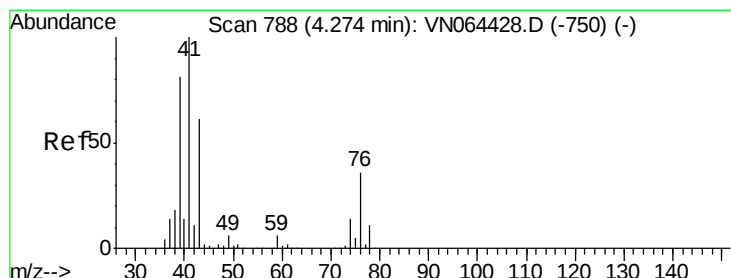
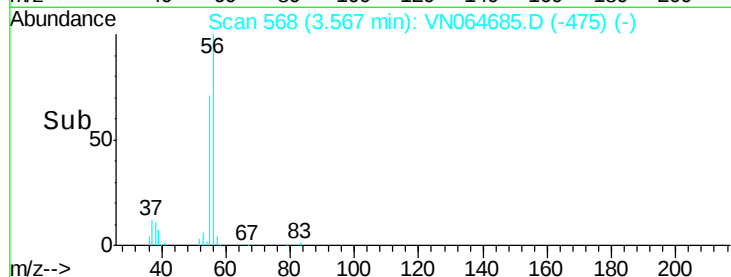
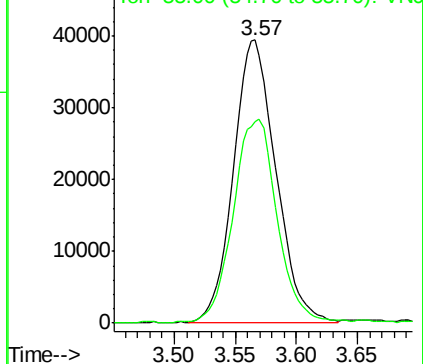
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 43.374 ug/l

RT: 4.28 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN064685.D

Acq: 17 Nov 2020 17:07

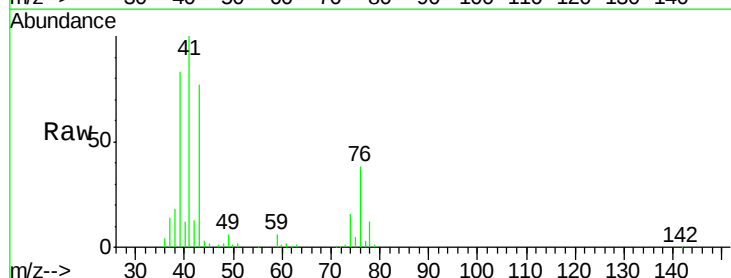
Tgt Ion: 41 Resp: 293972

Ion Ratio Lower Upper

41 100

39 80.0 61.8 92.8

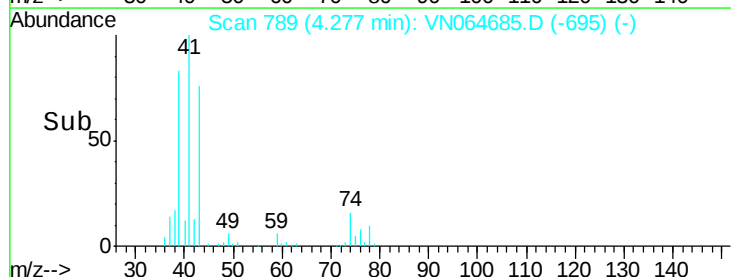
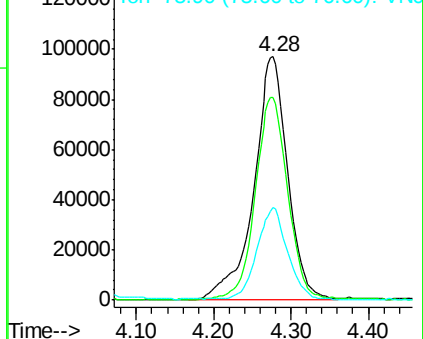
76 33.8 25.4 38.0

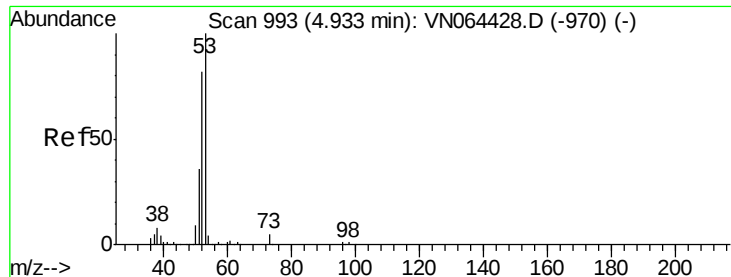


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 251.908 ug/l

RT: 4.93 min Scan# 993

Delta R.T. 0.00 min

Lab File: VN064685.D

Acq: 17 Nov 2020 17:07

Instrument :

MSVOA_N

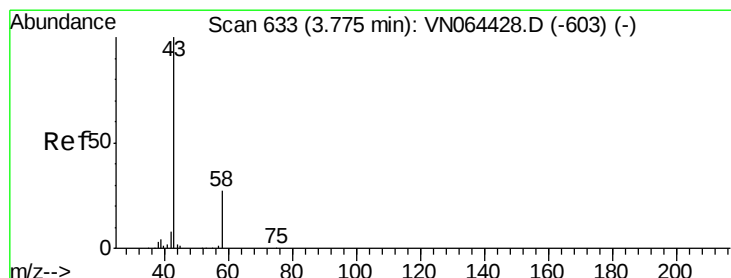
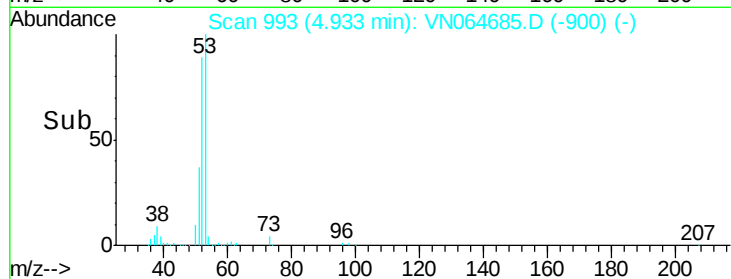
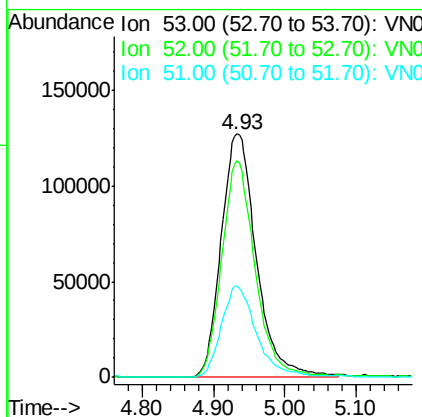
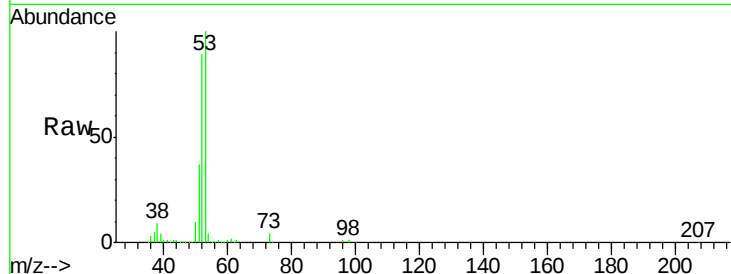
ClientSampleId :

MW-4MSD

Tot Ion:	53	Resp:	436440
Ion	Ratio	Lower	Upper
53	100		
52	84.1	65.6	98.4
51	37.5	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 195.356 ug/l

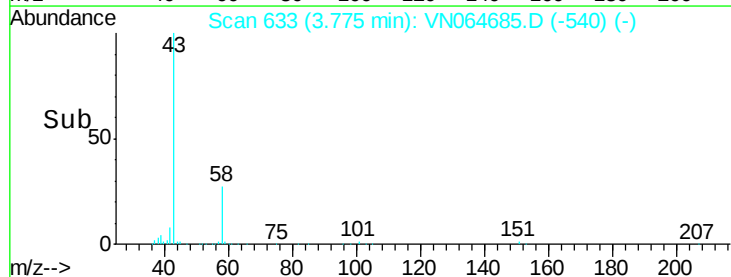
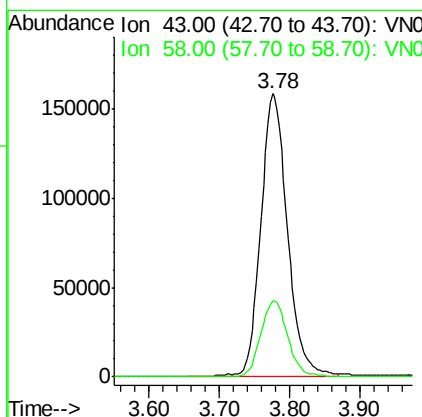
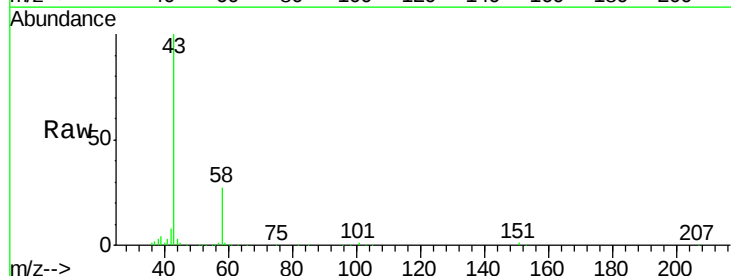
RT: 3.78 min Scan# 633

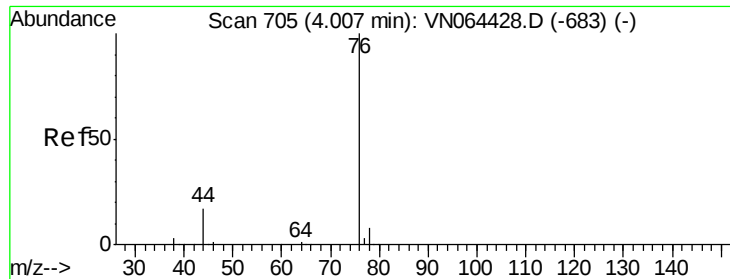
Delta R.T. 0.00 min

Lab File: VN064685.D

Acq: 17 Nov 2020 17:07

Tgt Ion:	43	Resp:	419914
Ion	Ratio	Lower	Upper
43	100		
58	26.6	21.4	32.0





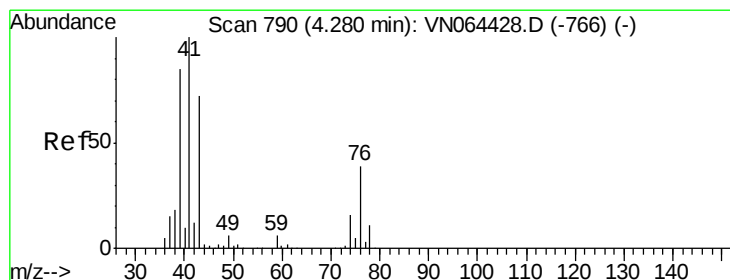
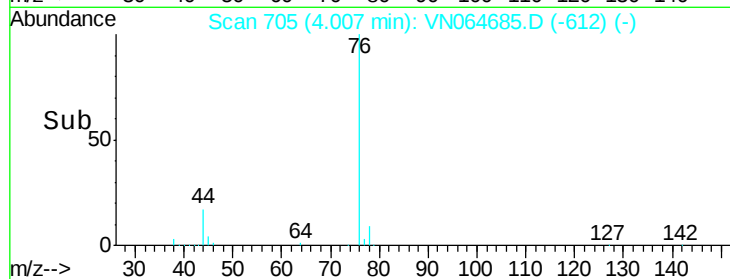
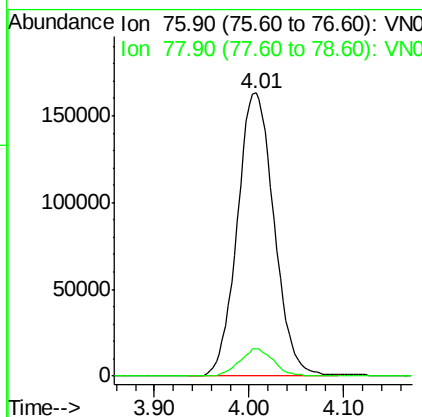
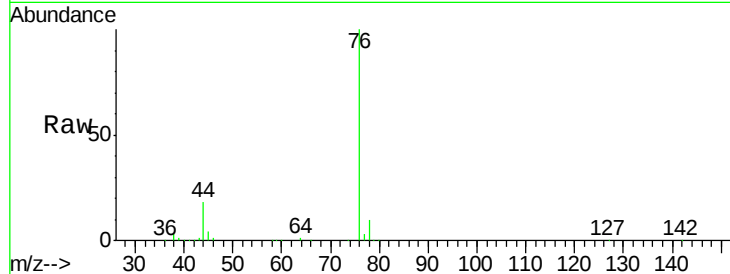
#17
Carbon Disulfide
Concen: 42.490 ug/l
RT: 4.01 min Scan# 705
Delta R.T. 0.00 min
Lab File: VN064685.D
Acq: 17 Nov 2020 17:07

Instrument :
MSVOA_N
ClientSampleId :
MW-4MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.8	6.8	10.2

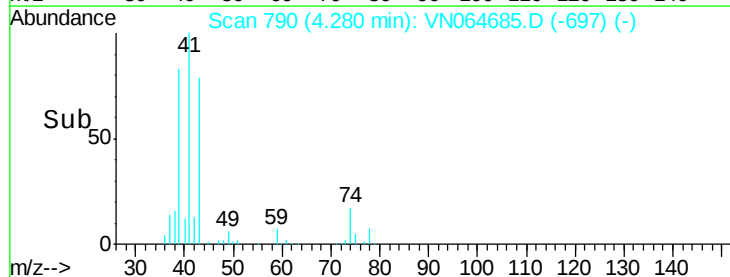
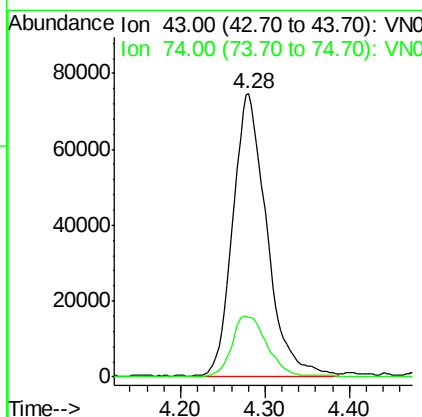
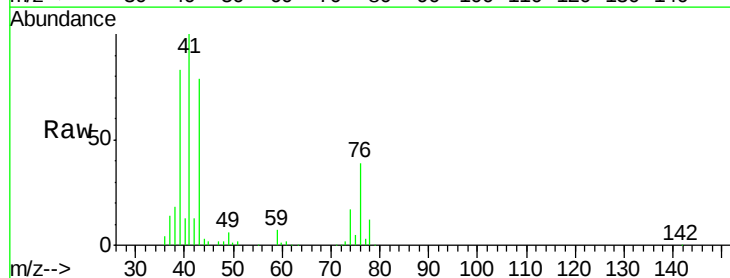
Manual Integrations
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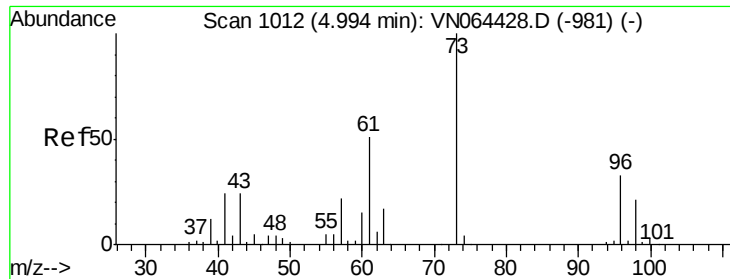
MMDadoda
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#18
Methyl Acetate
Concen: 49.150 ug/l
RT: 4.28 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN064685.D
Acq: 17 Nov 2020 17:07

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.3	17.0	25.4





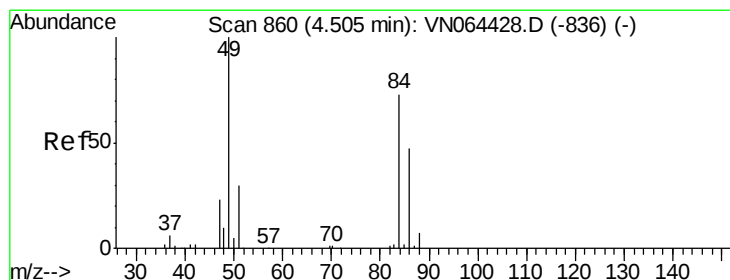
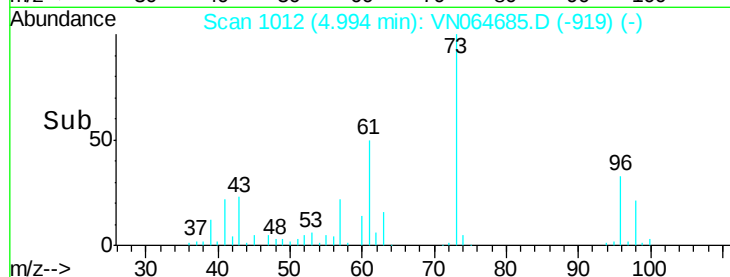
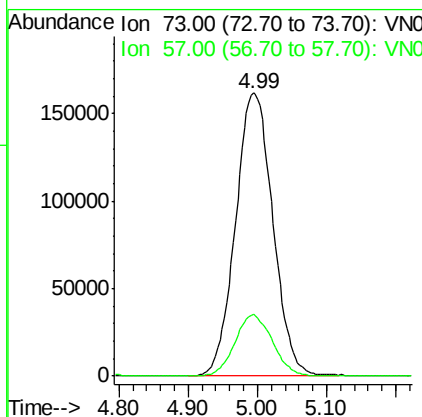
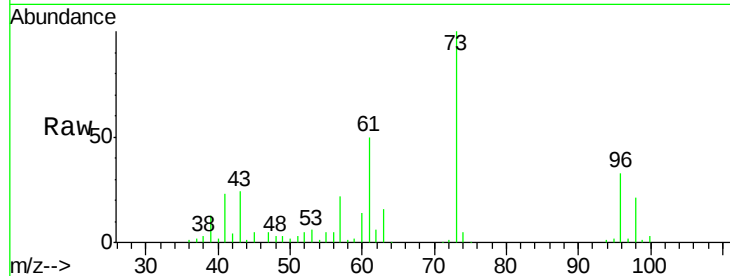
#19
Methvl tert-butvl Ether
Concen: 48.697 ug/l
RT: 4.99 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VN064685.D
Acq: 17 Nov 2020 17:07

Instrument :
MSVOA_N
ClientSampleId :
MW-4MSD

Tot Ion: 73 Resp: 607240
Ion Ratio Lower Upper
73 100
57 22.0 17.7 26.5

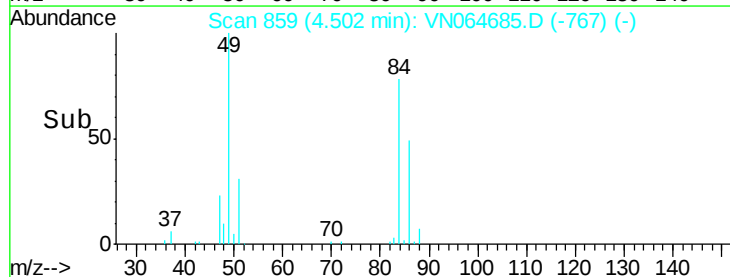
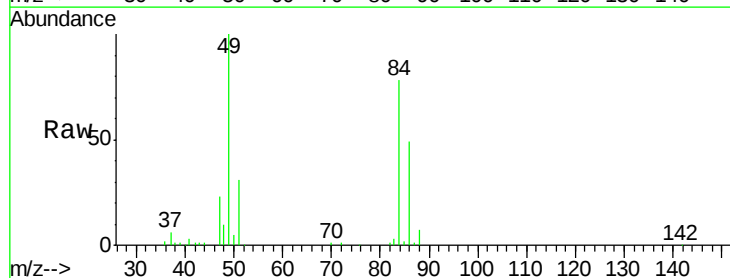
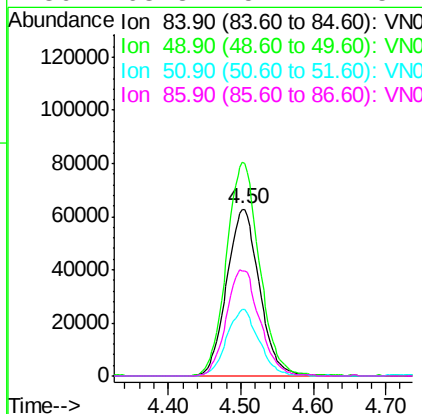
Manual Integrations
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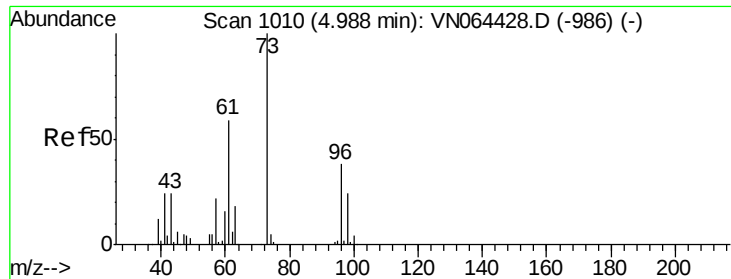
MMDadoda
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#20
Methylene Chloride
Concen: 46.287 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN064685.D
Acq: 17 Nov 2020 17:07

Tgt Ion: 84 Resp: 197400
Ion Ratio Lower Upper
84 100
49 128.2 110.1 165.1
51 39.8 33.6 50.4
86 63.3 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 46.402 ug/l

RT: 4.99 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VN064685.D

Acq: 17 Nov 2020 17:07

Instrument :

MSVOA_N

ClientSampleId :

MW-4MSD

Tot Ion: 96 Resp: 182540

Ion Ratio Lower Upper

96 100

61 148.9 122.4 183.6

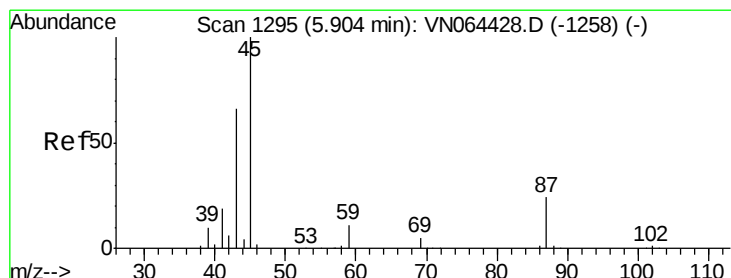
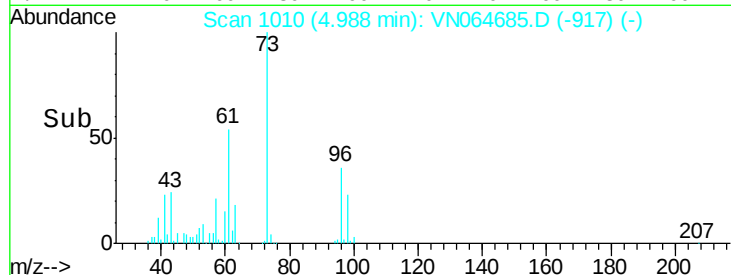
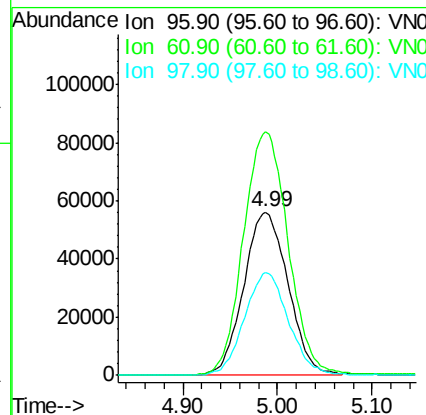
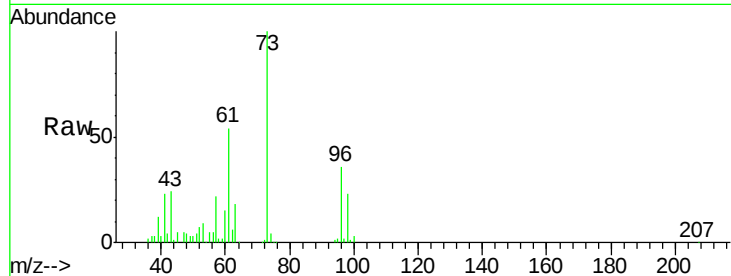
98 63.2 50.4 75.6

Manual Integrations

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#22

Diisopropyl ether

Concen: 45.672 ug/l

RT: 5.90 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VN064685.D

Acq: 17 Nov 2020 17:07

Tgt Ion: 45 Resp: 657087

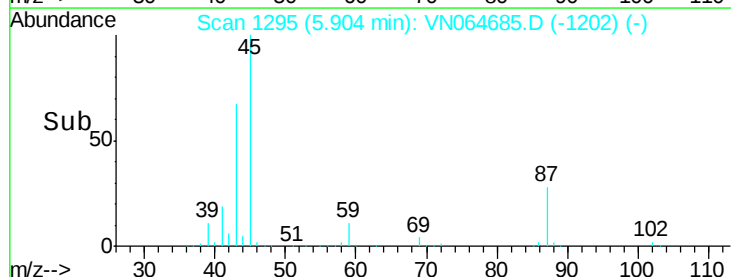
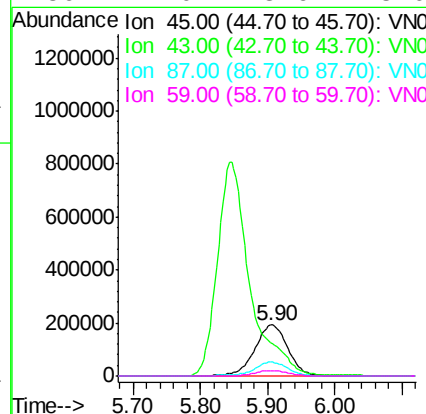
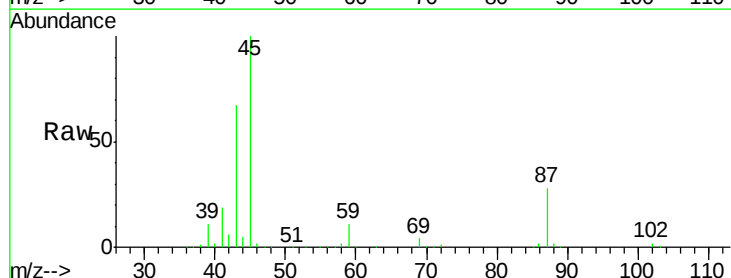
Ion Ratio Lower Upper

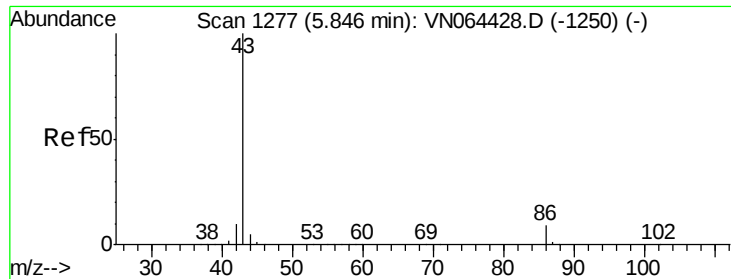
45 100

43 65.3 53.2 79.8

87 27.7 19.9 29.9

59 11.0 8.6 13.0





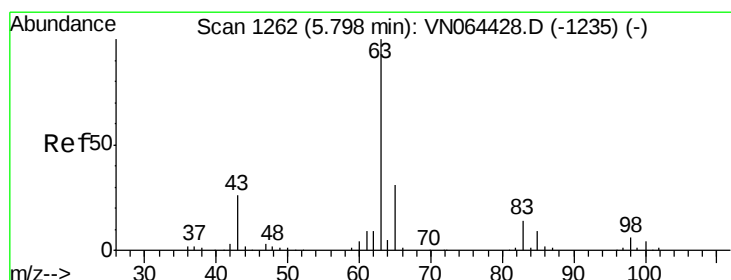
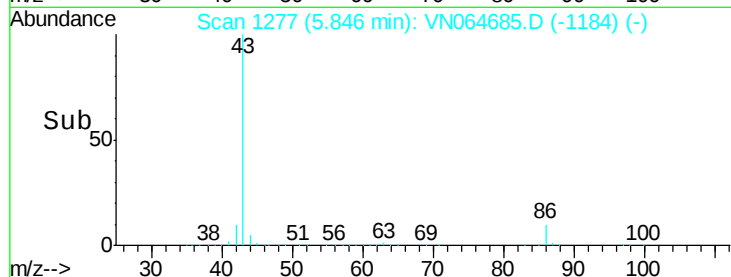
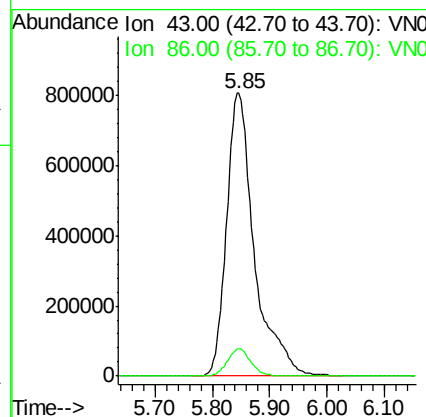
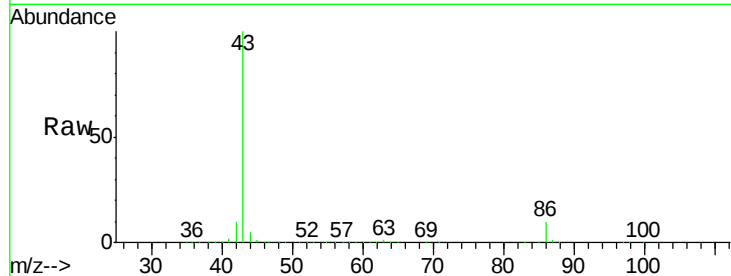
#23
 Vinyl Acetate
 Concen: 232.668 ug/l
 RT: 5.85 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VN064685.D
 Acq: 17 Nov 2020 17:07

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4MSD

Tot Ion: 43 Resp: 2723120
 Ion Ratio Lower Upper
 43 100
 86 9.7 6.8 10.2

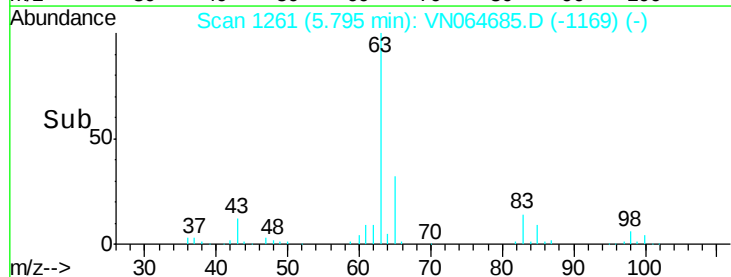
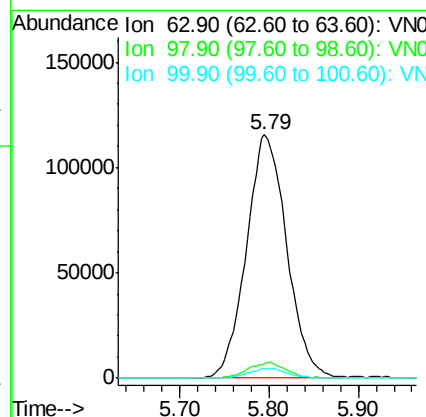
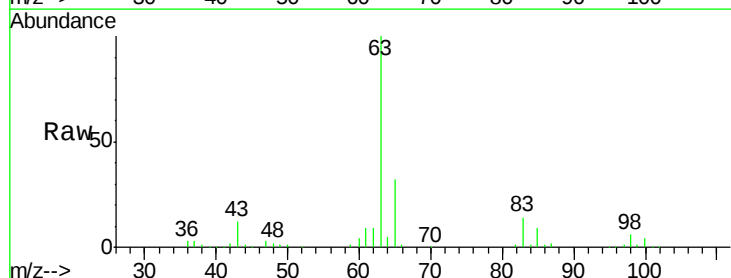
Manual Integrations
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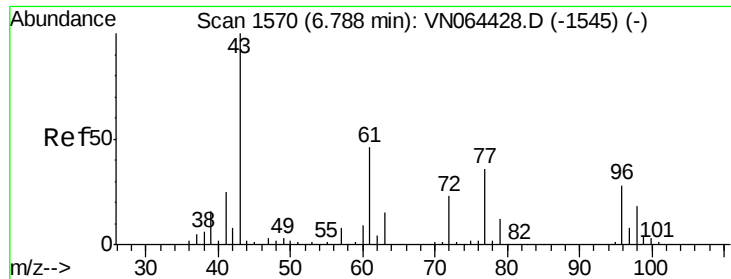
MMDadoda
 11/18/2020 5:15:53 PM



#24
 1,1-Dichloroethane
 Concen: 46.032 ug/l
 RT: 5.79 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VN064685.D
 Acq: 17 Nov 2020 17:07

Tgt Ion: 63 Resp: 363922
 Ion Ratio Lower Upper
 63 100
 98 5.8 3.0 9.2
 100 3.8 1.8 5.3





#25

2-Butanone

Concen: 225.420 ug/l

RT: 6.79 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN064685.D

Acq: 17 Nov 2020 17:07

Instrument :

MSVOA_N

ClientSampled :

MW-4MSD

Tot Ion: 43 Resp: 617365

Ion Ratio Lower Upper

43 100

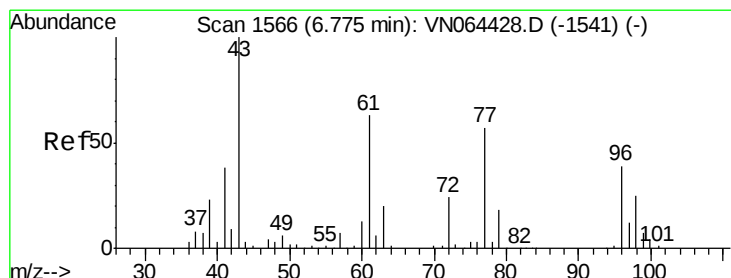
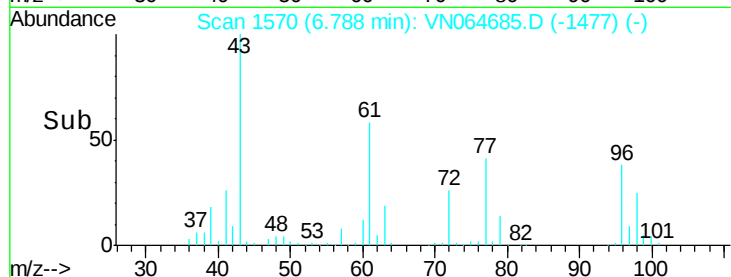
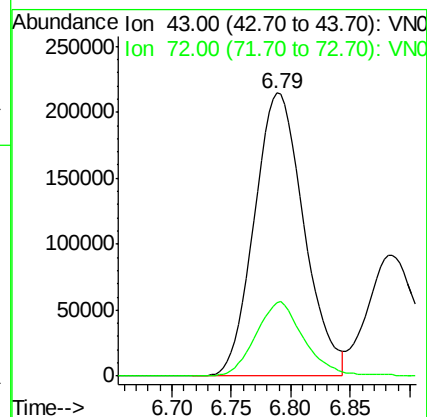
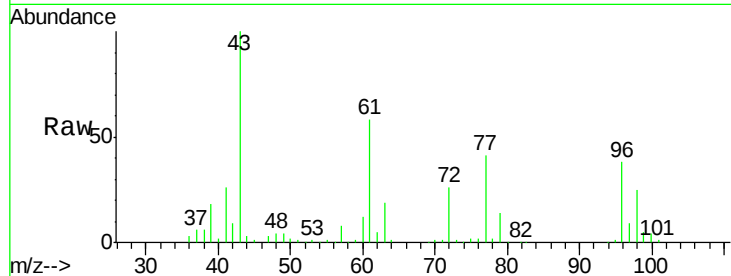
72 26.0 18.5 27.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 46.503 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN064685.D

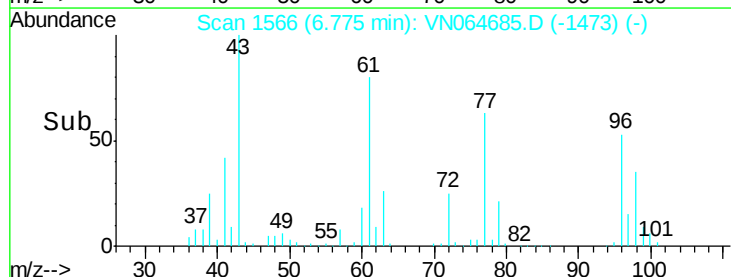
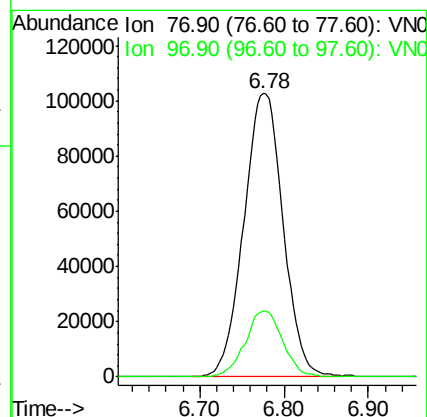
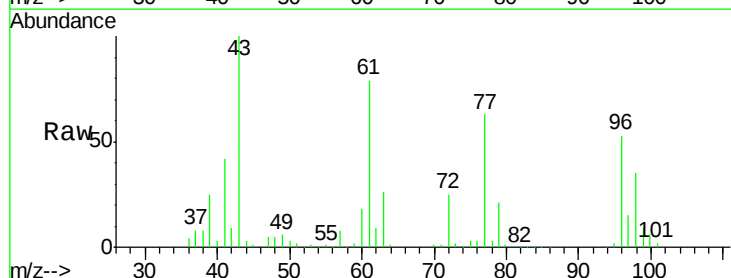
Acq: 17 Nov 2020 17:07

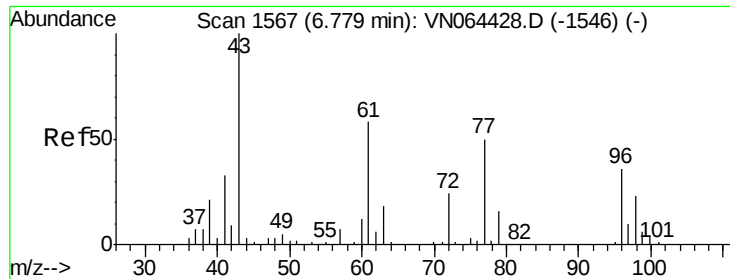
Tgt Ion: 77 Resp: 332807

Ion Ratio Lower Upper

77 100

97 22.3 10.2 30.6





#27

cis-1,2-Dichloroethene

Concen: 56.003 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN064685.D

Acq: 17 Nov 2020 17:07

Instrument :

MSVOA_N

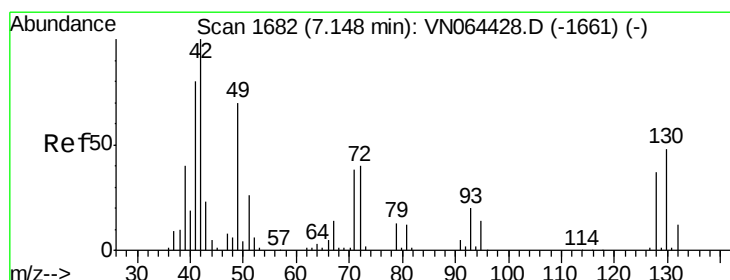
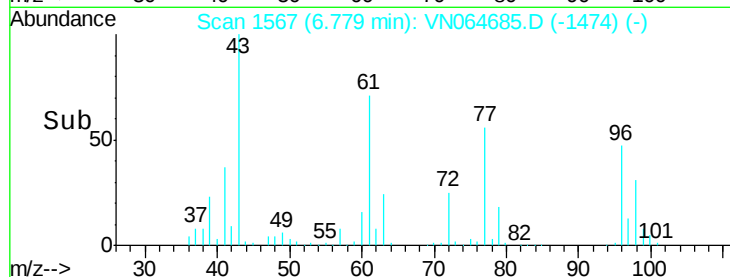
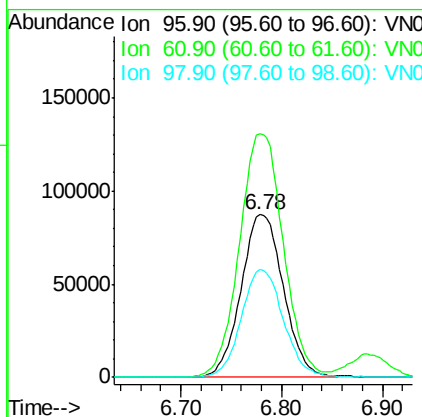
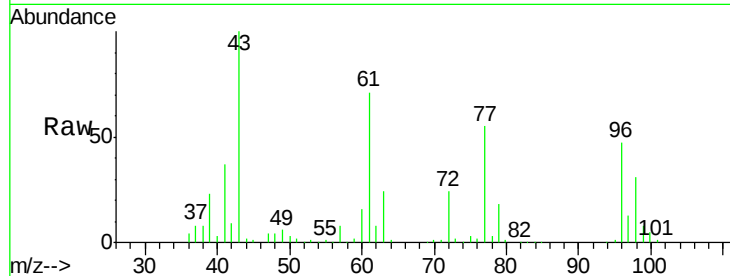
ClientSampleId :

MW-4MSD

Tot Ion:	96	Resp:	255282
Ion	Ratio	Lower	Upper
96	100		
61	154.4	0.0	329.6
98	65.7	0.0	131.2

Manual Integrations
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#28

Bromochloromethane

Concen: 43.678 ug/l

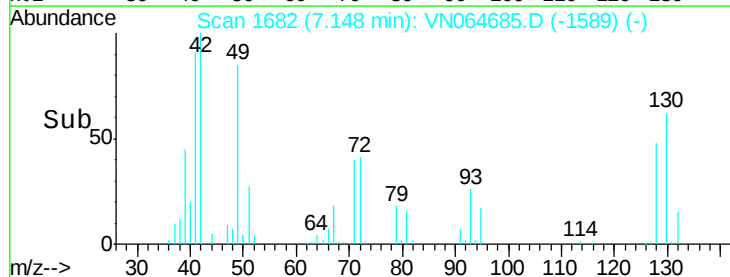
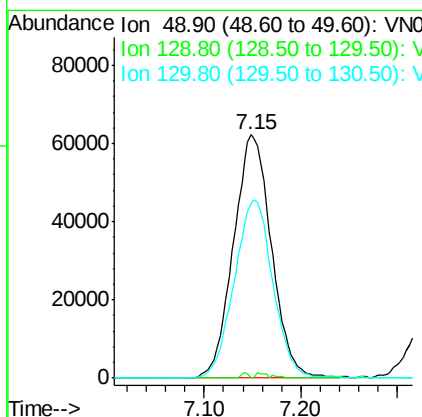
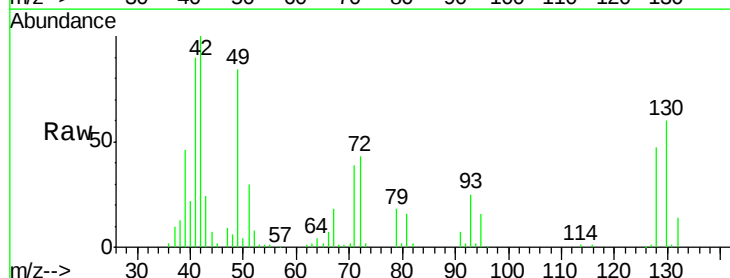
RT: 7.15 min Scan# 1682

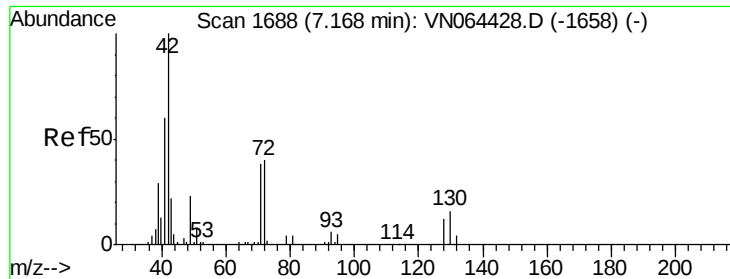
Delta R.T. 0.00 min

Lab File: VN064685.D

Acq: 17 Nov 2020 17:07

Tgt Ion:	49	Resp:	169733
Ion	Ratio	Lower	Upper
49	100		
129	0.5	0.0	3.6
130	74.1	54.2	81.4





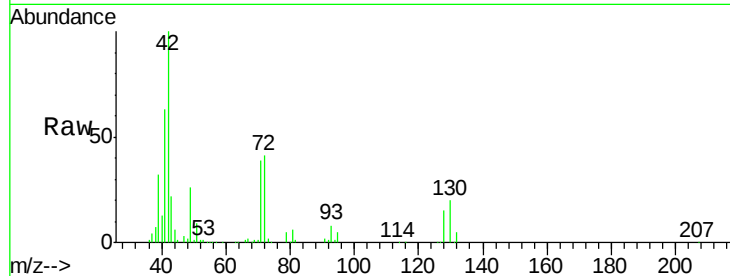
#29
Tetrahydrofuran
Concen: 242.532 ug/l
RT: 7.17 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VN064685.D
Acq: 17 Nov 2020 17:07

Instrument :
MSVOA_N
ClientSampleId :
MW-4MSD

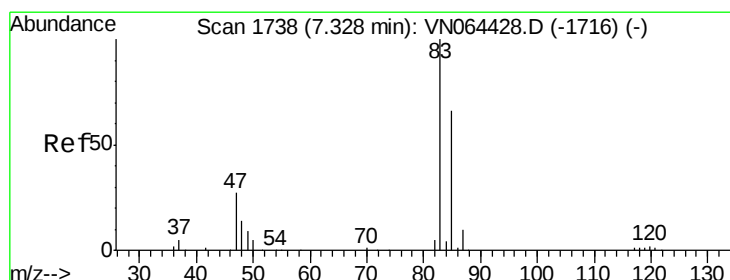
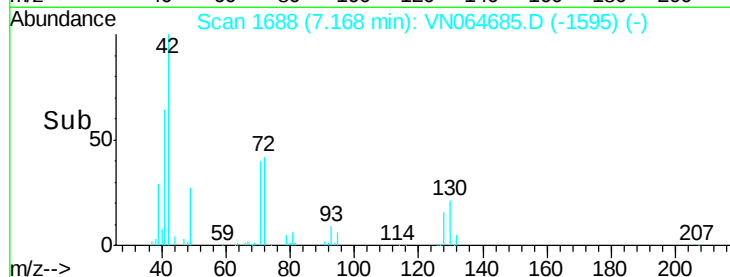
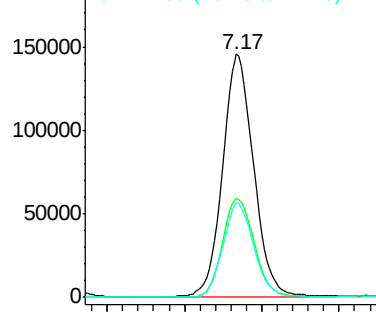
Tot Ion	Ratio	Lower	Upper
42	100		
72	41.6	31.7	47.5
71	38.9	29.8	44.6

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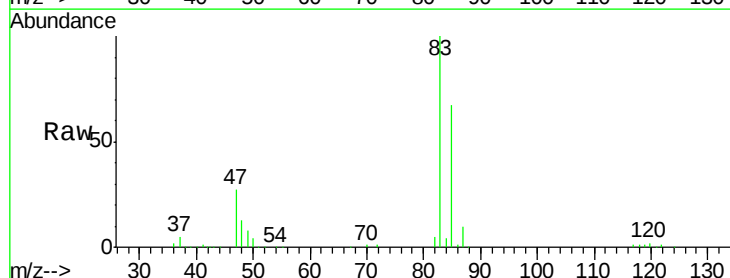


Abundance Ion 42.00 (41.70 to 42.70): VN064428.D (-1658) (-)

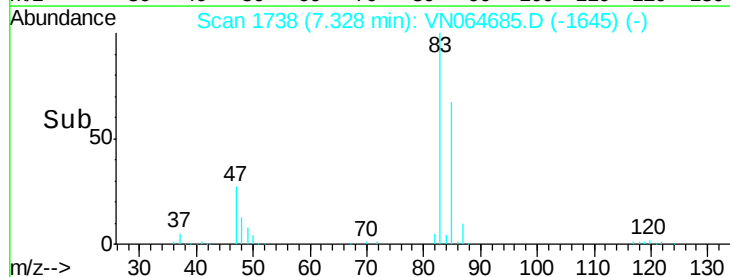
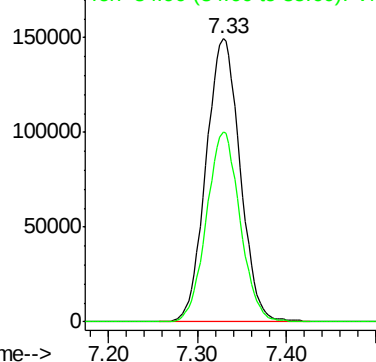


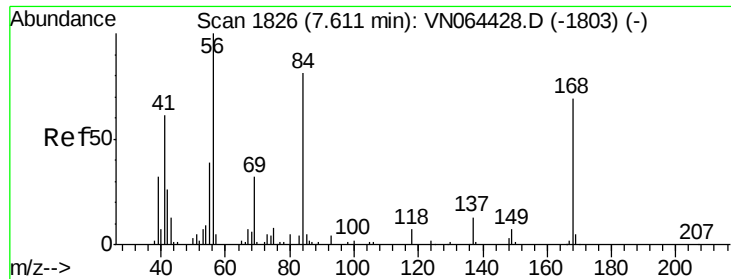
#30
Chloroform
Concen: 47.761 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN064685.D
Acq: 17 Nov 2020 17:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.1	52.5	78.7



Abundance Ion 82.90 (82.60 to 83.60): VN064428.D (-1716) (-)





#31

Cyclohexane

Concen: 42.100 ug/l

RT: 7.61 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN064685.D

Acq: 17 Nov 2020 17:07

Instrument :

MSVOA_N

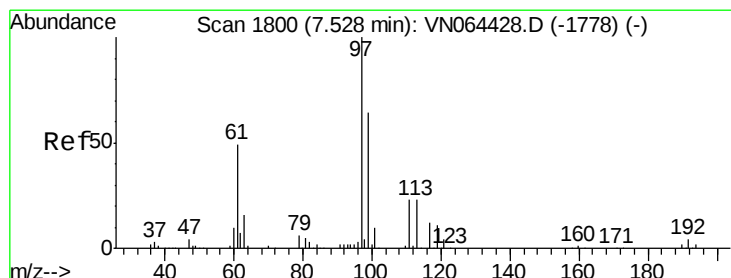
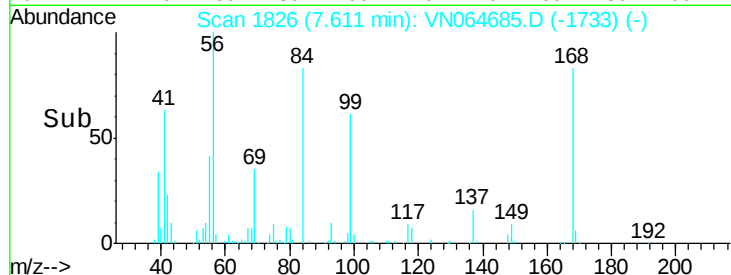
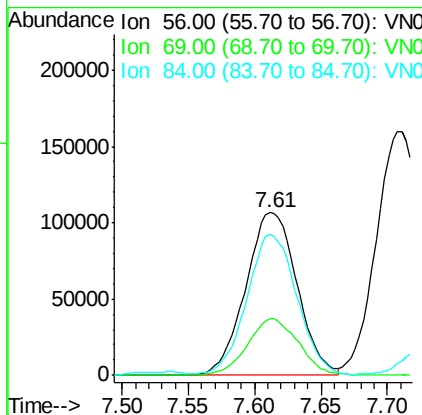
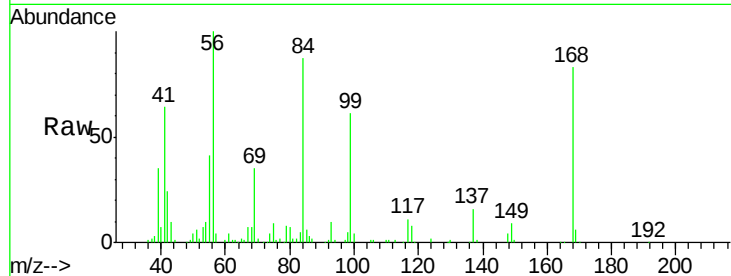
ClientSampleId :

MW-4MSD

Tot Ion:	56	Resp:	288786
Ion Ratio	Lower	Upper	
56	100		
69	35.0	25.6	38.4
84	85.7	63.0	94.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 48.829 ug/l

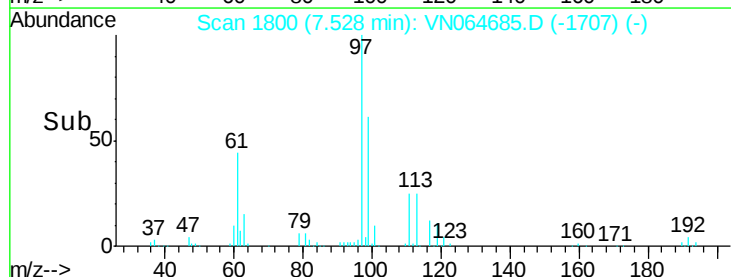
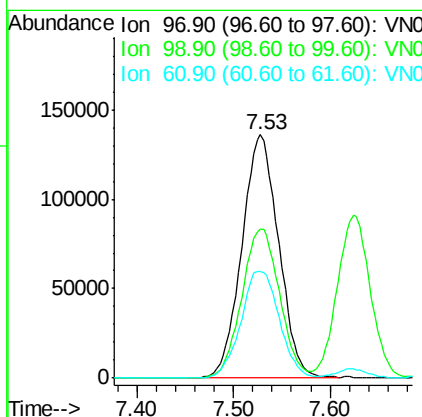
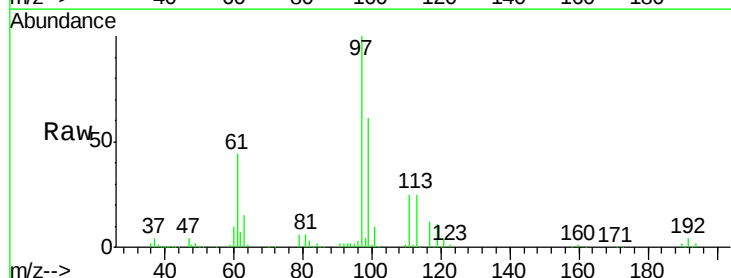
RT: 7.53 min Scan# 1800

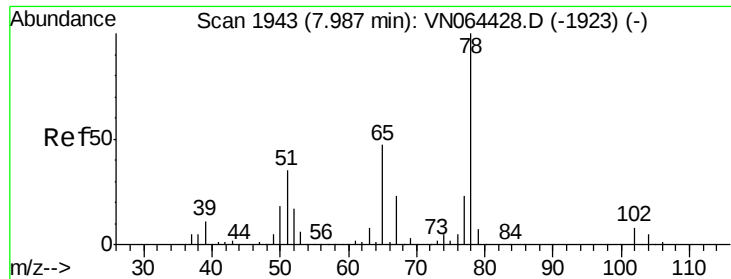
Delta R.T. 0.00 min

Lab File: VN064685.D

Acq: 17 Nov 2020 17:07

Tgt Ion:	97	Resp:	359901
Ion Ratio	Lower	Upper	
97	100		
99	62.9	51.3	76.9
61	45.9	39.1	58.7





#33

1,2-Dichloroethane-d4

Concen: 46.263 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN064685.D

Acq: 17 Nov 2020 17:07

Instrument :

MSVOA_N

ClientSampled :

MW-4MSD

Tot Ion: 65 Resp: 261057

Ion Ratio Lower Upper

65 100

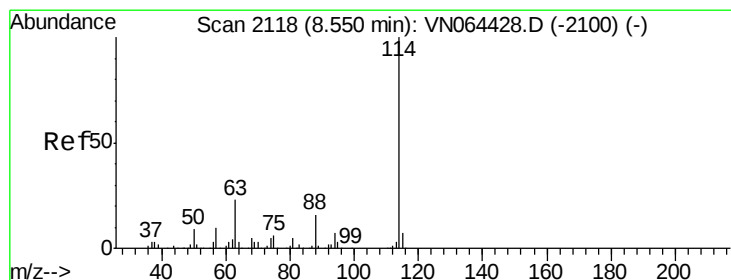
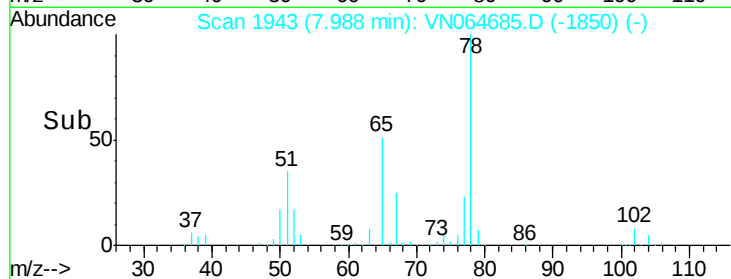
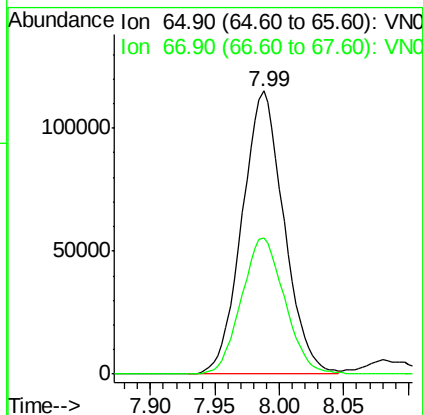
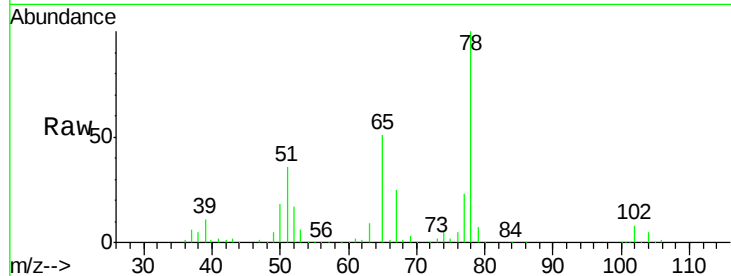
67 49.9 0.0 101.6

Manual Integrations

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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: VN064685.D

Acq: 17 Nov 2020 17:07

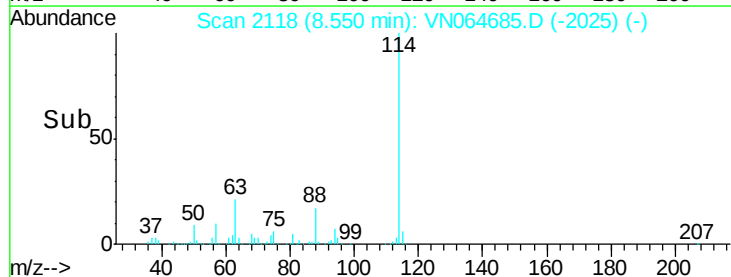
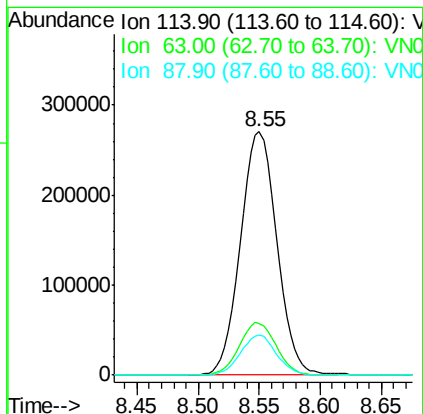
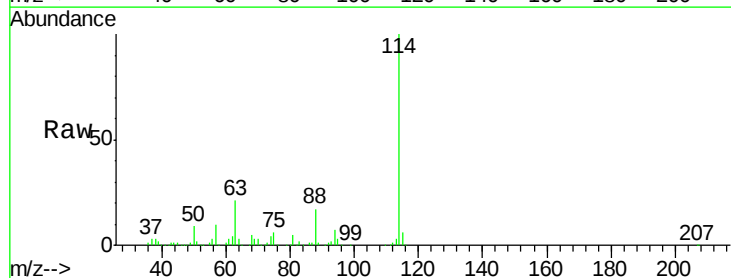
Tgt Ion: 114 Resp: 558510

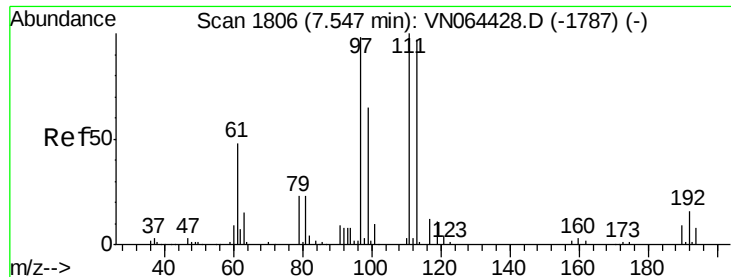
Ion Ratio Lower Upper

114 100

63 21.4 0.0 45.6

88 16.5 0.0 32.8





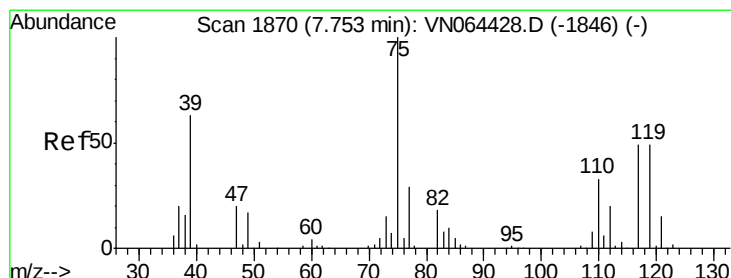
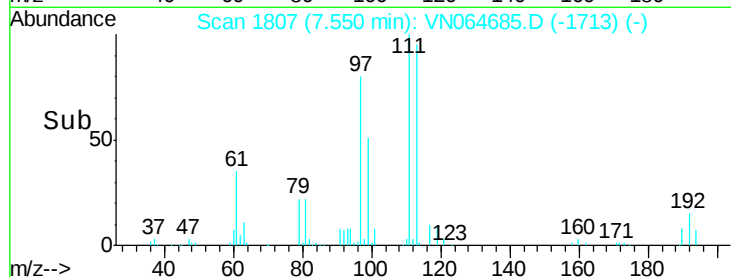
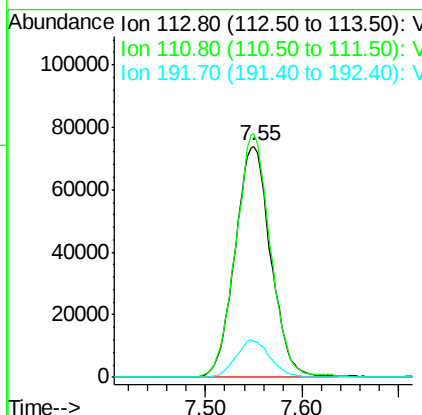
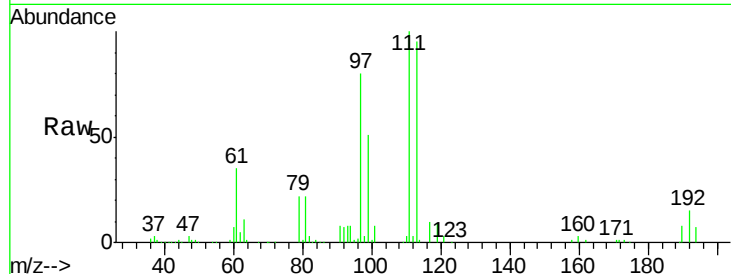
#35
 Dibromofluoromethane
 Concen: 49.793 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064685.D
 Acq: 17 Nov 2020 17:07

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4MSD

Tot Ion	Ratio	Resp	Lower	Upper
113	100	189348		
111	102.3	81.1	121.7	
192	15.5	12.8	19.2	

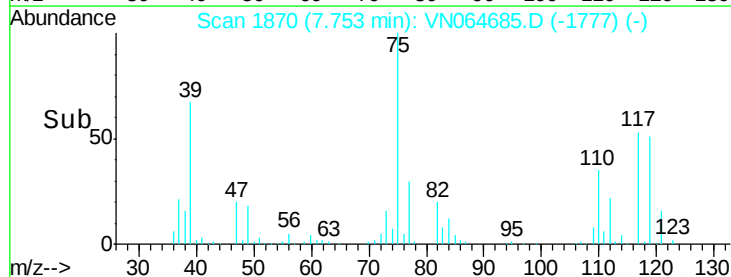
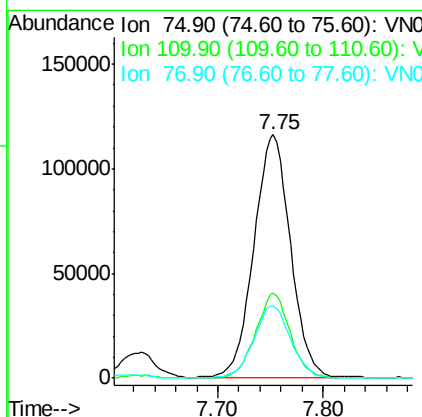
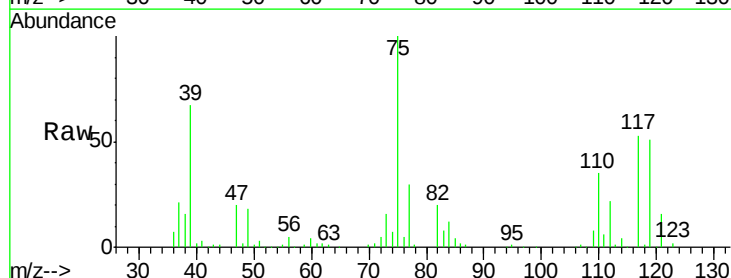
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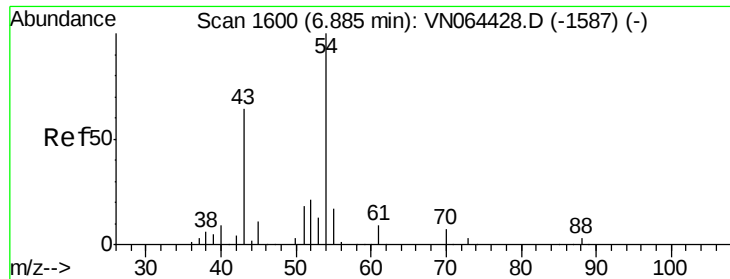
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#36
 1,1-Dichloropropene
 Concen: 47.434 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VN064685.D
 Acq: 17 Nov 2020 17:07

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	279870		
110	33.2	16.0	48.0	
77	30.2	24.0	36.0	





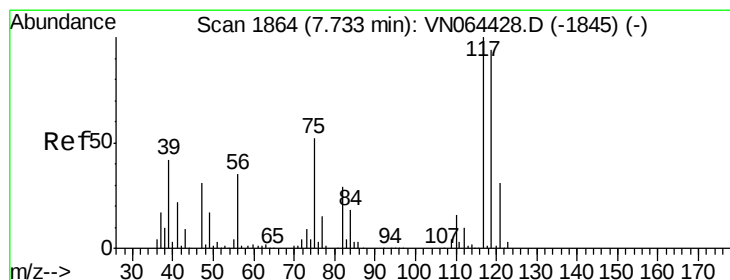
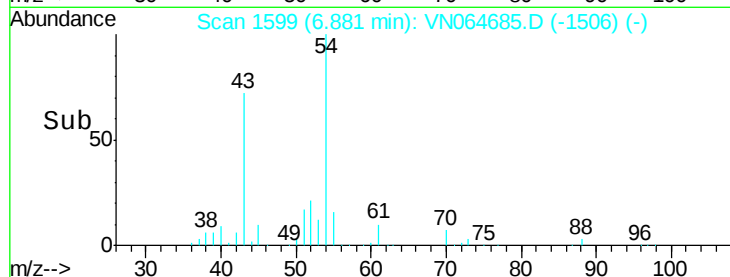
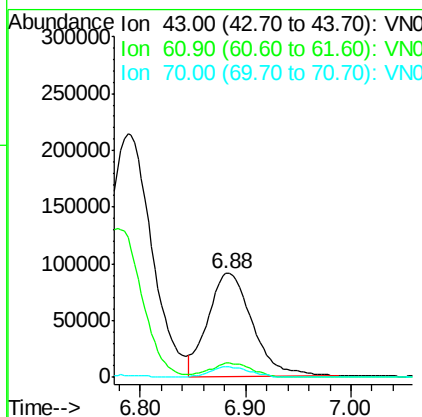
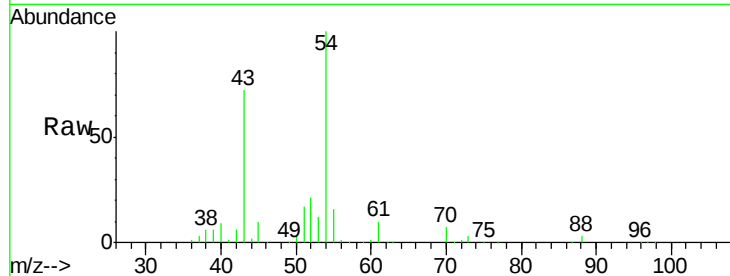
#37
Ethyl Acetate
Concen: 44.291 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VN064685.D
Acq: 17 Nov 2020 17:07

Instrument :
MSVOA_N
ClientSampled :
MW-4MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.5	10.0	15.0
70	9.3	7.1	10.7

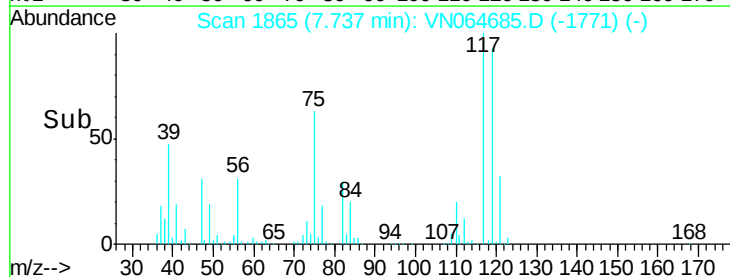
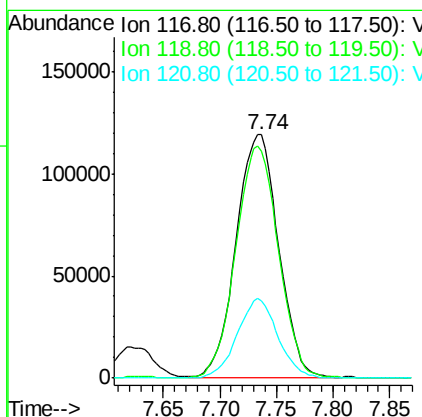
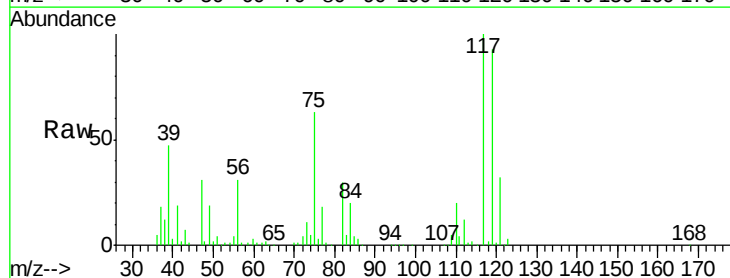
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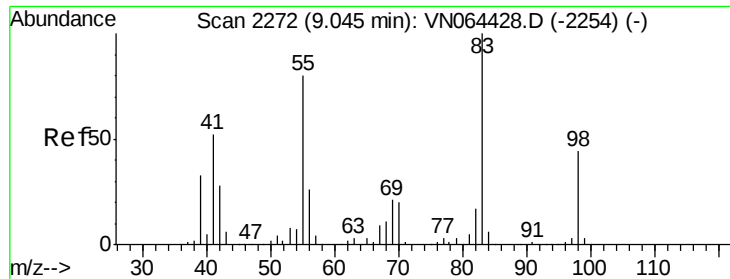
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#38
Carbon Tetrachloride
Concen: 48.998 ug/l
RT: 7.74 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN064685.D
Acq: 17 Nov 2020 17:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.3	75.5	113.3
121	31.8	24.4	36.6





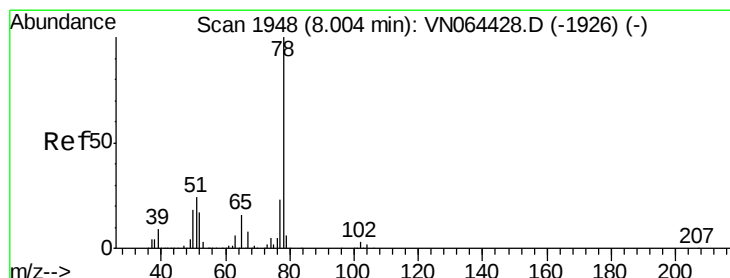
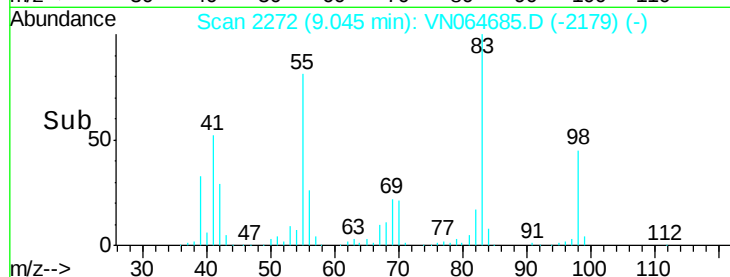
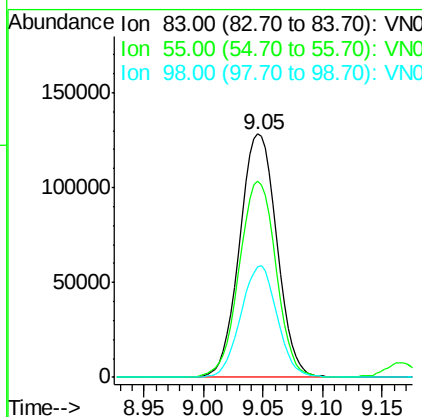
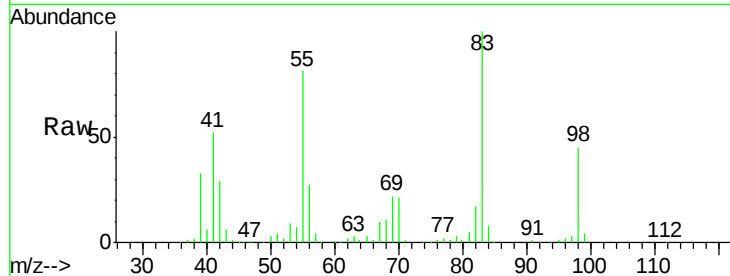
#39
Methvlcvclohexane
Concen: 52.643 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN064685.D
Acq: 17 Nov 2020 17:07

Instrument :
MSVOA_N
ClientSampleId :
MW-4MSD

Tot Ion	83	Resp	278439
Ion Ratio	100	Lower	Upper
83	100		
55	80.5	63.8	95.6
98	45.3	35.4	53.2

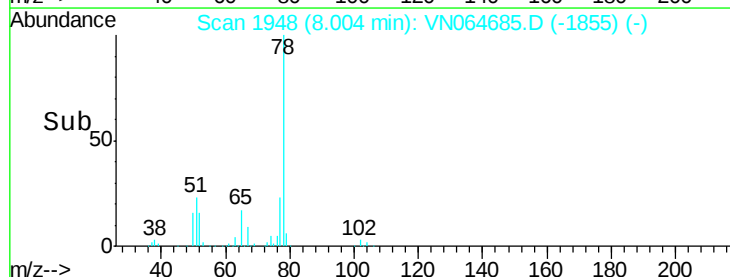
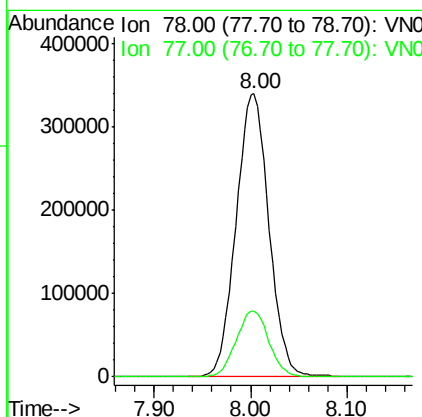
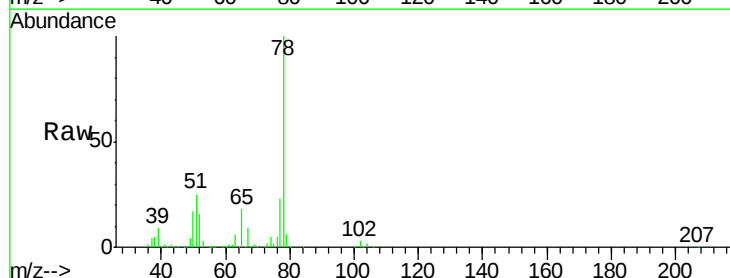
Manual Integrations
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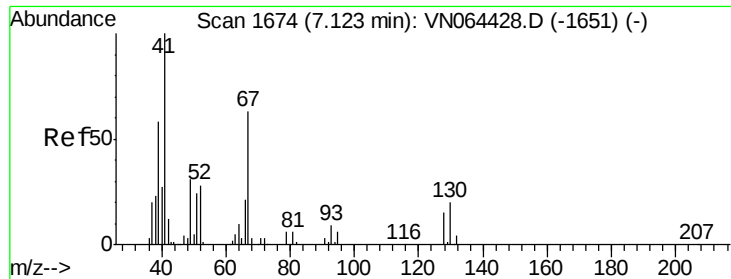
MMDadoda
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#40
Benzene
Concen: 46.274 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN064685.D
Acq: 17 Nov 2020 17:07

Tgt Ion	78	Resp	802302
Ion Ratio	100	Lower	Upper
78	100		
77	23.3	18.7	28.1





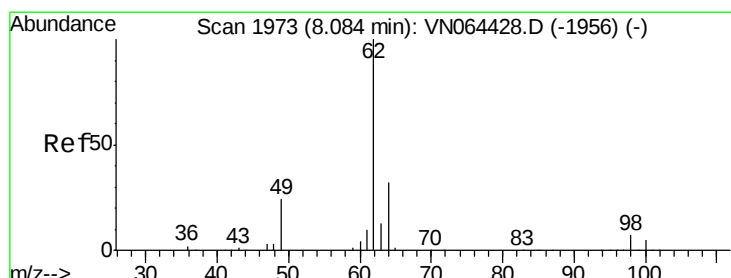
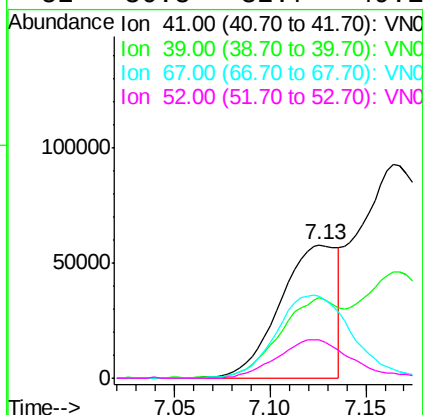
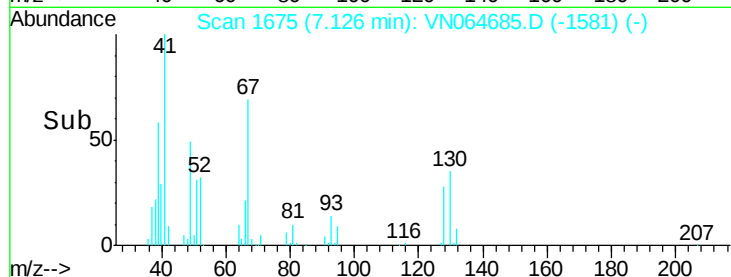
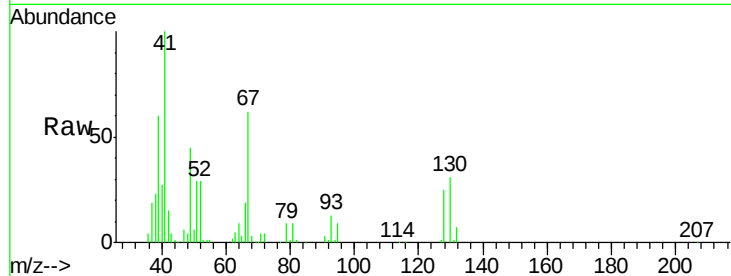
#41
Methacrylonitrile
Concen: 46.251 ug/l m
RT: 7.13 min Scan# 1675
Delta R.T. 0.00 min
Lab File: VN064685.D
Acq: 17 Nov 2020 17:07

Instrument :
MSVOA_N
ClientSampleId :
MW-4MSD

Tot Ion	Ratio	Lower	Upper
41	100		
39	63.0	50.0	75.0
67	83.7	68.3	102.5
52	36.8	32.7	49.1

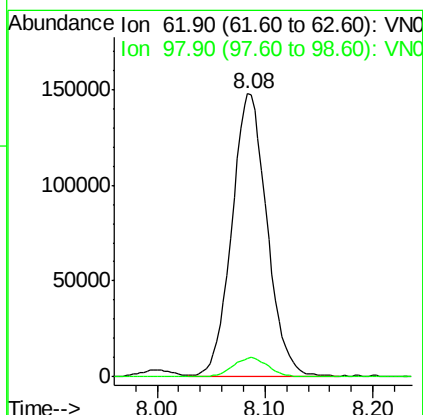
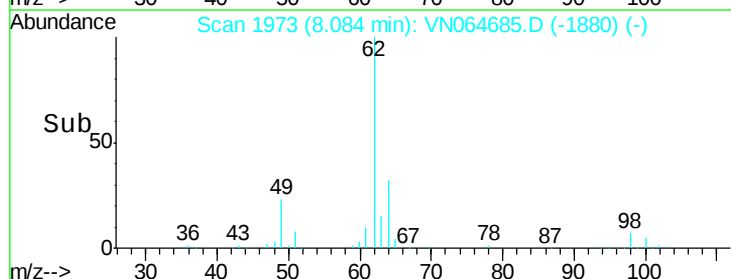
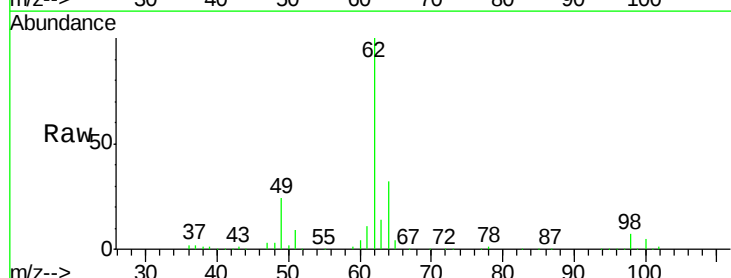
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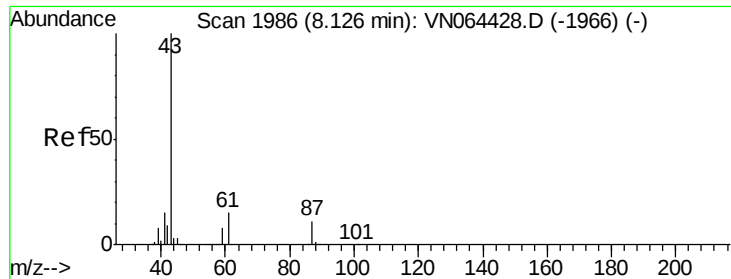
MMDadoda
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#42
1,2-Dichloroethane
Concen: 47.740 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN064685.D
Acq: 17 Nov 2020 17:07

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.0	0.0	14.0





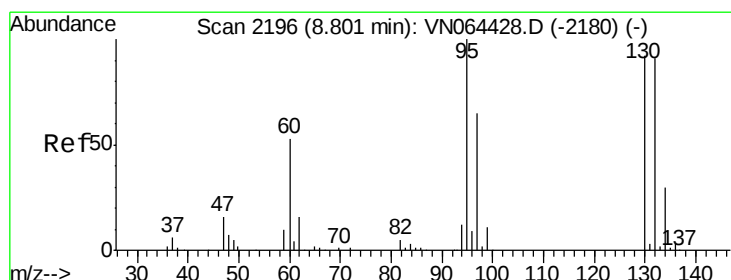
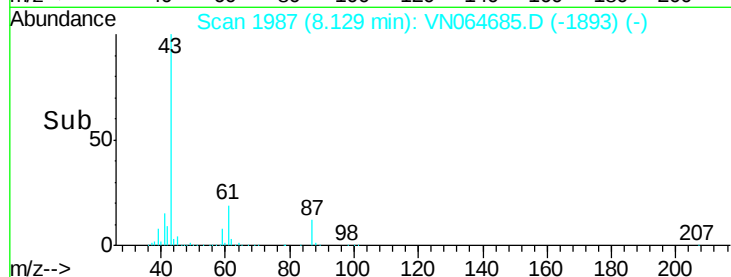
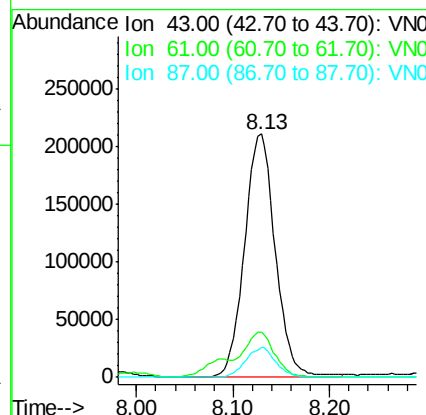
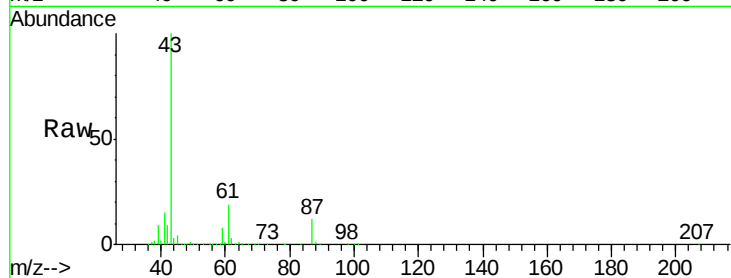
#43
Isopropyl Acetate
Concen: 48.576 ug/l
RT: 8.13 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN064685.D
Acq: 17 Nov 2020 17:07

Instrument :
MSVOA_N
ClientSampleId :
MW-4MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.2	14.0	21.0
87	12.1	9.1	13.7

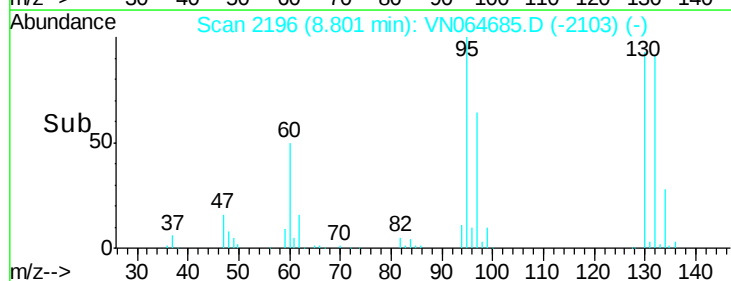
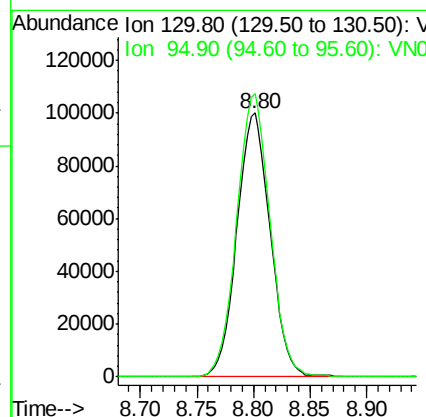
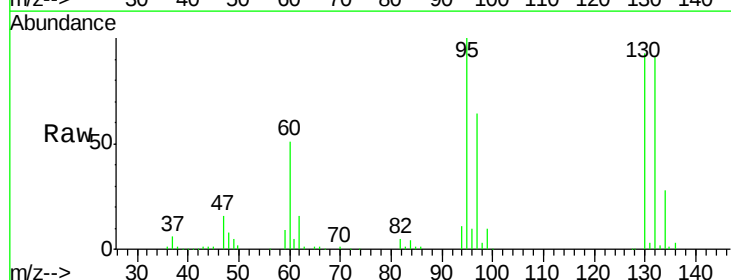
Manual Integrations
APPROVED

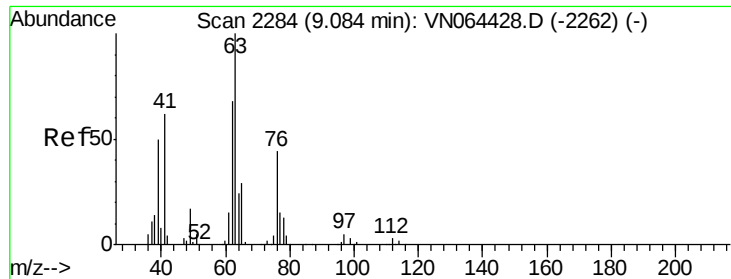
MMDadoda
11/18/2020 5:15:53 PM



#44
Trichloroethene
Concen: 46.908 ug/l
RT: 8.80 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN064685.D
Acq: 17 Nov 2020 17:07

Tgt Ion	Ratio	Lower	Upper
130	100		
95	107.3	0.0	216.8





#45

1,2-Dichloropropane

Concen: 46.314 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN064685.D

Acq: 17 Nov 2020 17:07

Instrument :

MSVOA_N

ClientSampleId :

MW-4MSD

Tot Ion: 63 Resp: 214255

Ion Ratio Lower Upper

63 100

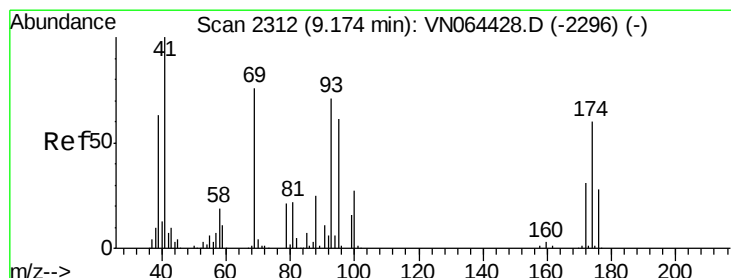
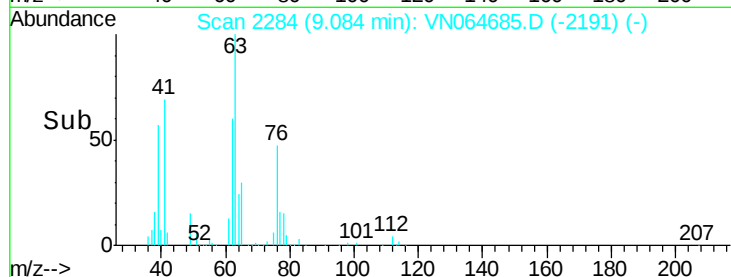
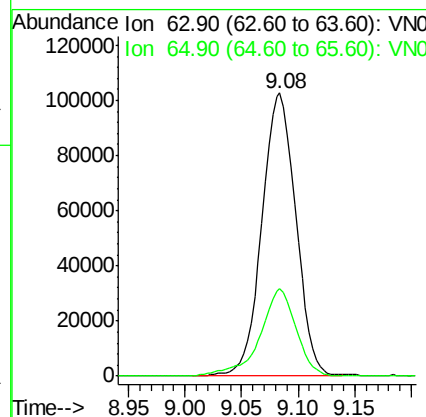
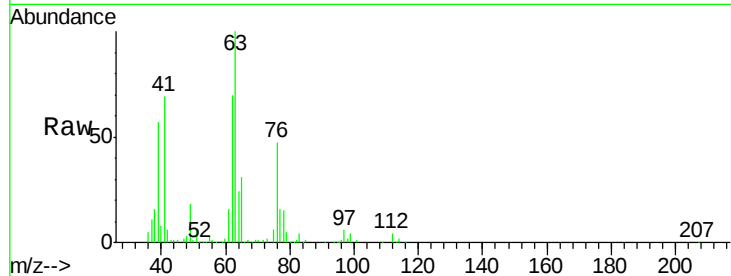
65 30.8 23.6 35.4

Manual Integrations

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#46

Dibromomethane

Concen: 50.359 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN064685.D

Acq: 17 Nov 2020 17:07

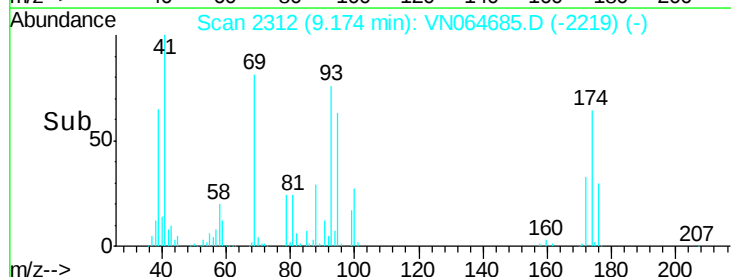
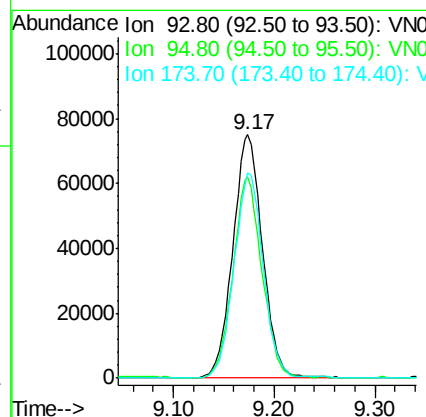
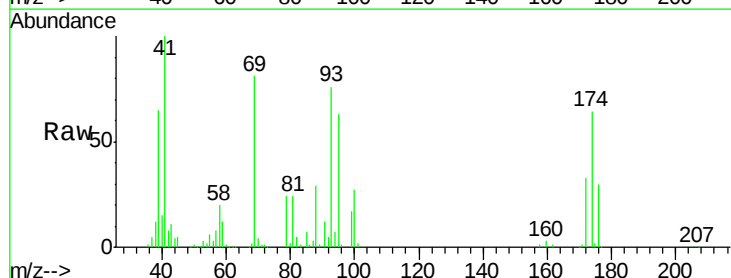
Tgt Ion: 93 Resp: 153361

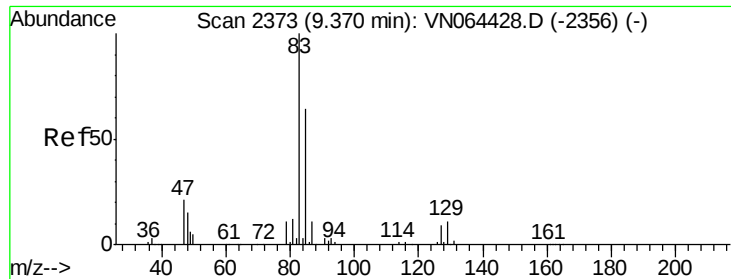
Ion Ratio Lower Upper

93 100

95 81.0 66.4 99.6

174 82.8 67.2 100.8





#47

Bromodichloromethane

Concen: 49.533 ug/l

RT: 9.37 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN064685.D

Acq: 17 Nov 2020 17:07

Instrument :

MSVOA_N

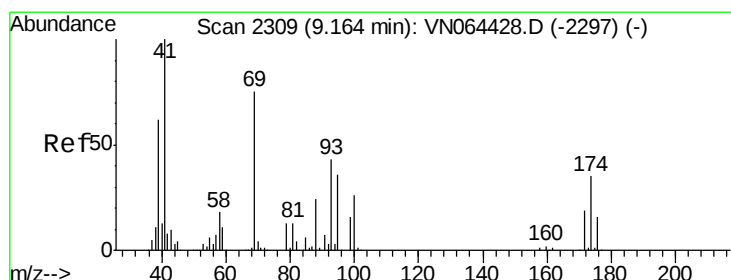
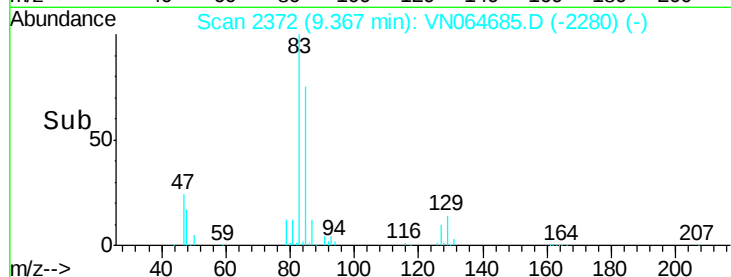
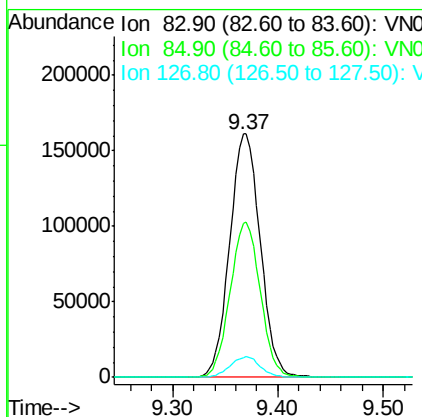
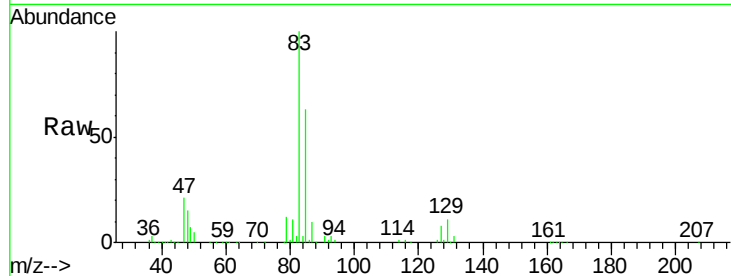
ClientSampleId :

MW-4MSD

Tot Ion:	83	Resp:	324351
Ion Ratio	Lower	Upper	
83	100		
85	63.5	51.2	76.8
127	8.1	6.9	10.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 48.681 ug/l

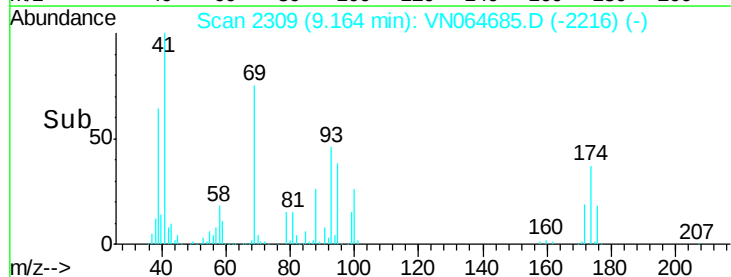
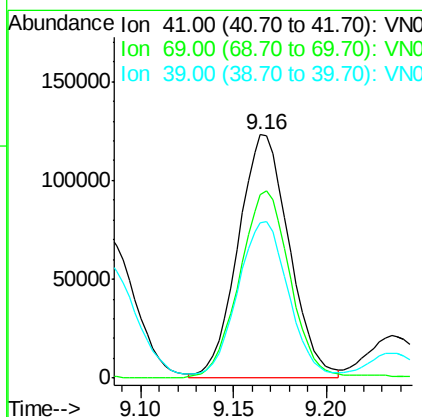
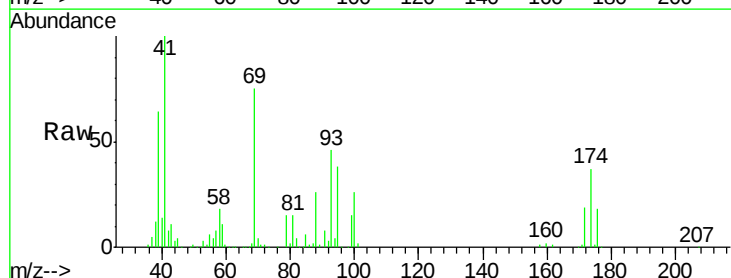
RT: 9.16 min Scan# 2309

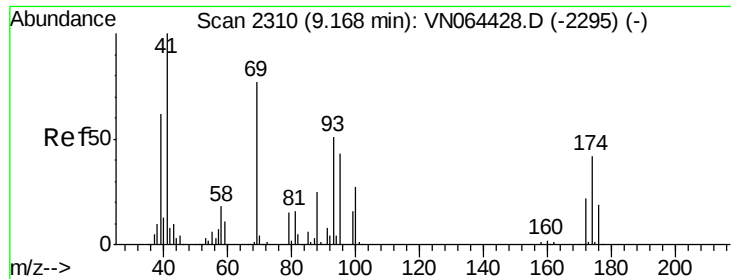
Delta R.T. 0.00 min

Lab File: VN064685.D

Acq: 17 Nov 2020 17:07

Tgt Ion:	41	Resp:	234884
Ion Ratio	Lower	Upper	
41	100		
69	76.3	60.4	90.6
39	63.7	51.2	76.8





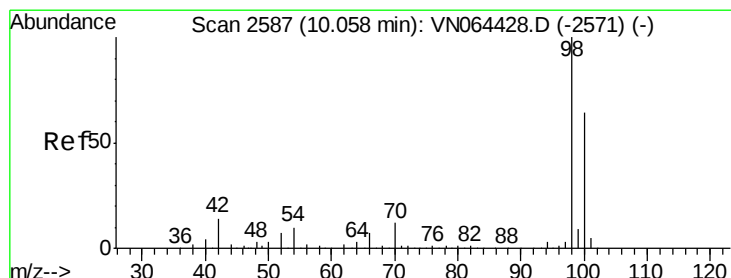
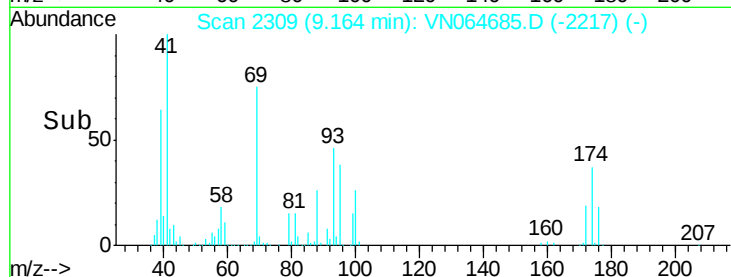
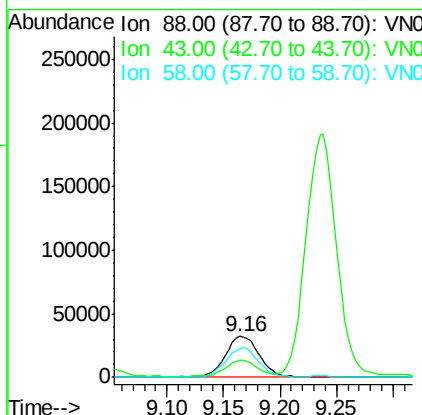
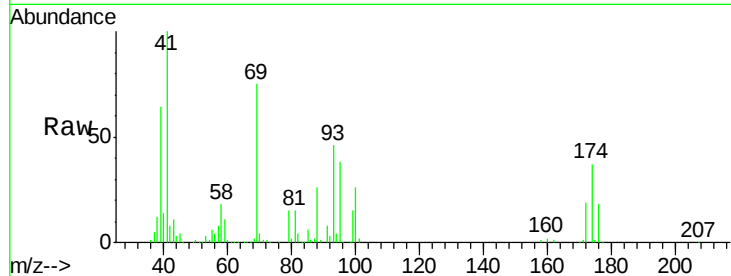
#49
1,4-Dioxane
Concen: 1063.501 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN064685.D
Acq: 17 Nov 2020 17:07

Instrument :
MSVOA_N
ClientSampleId :
MW-4MSD

Tot Ion	88	Resp	67587
Ion	Ratio	Lower	Upper
88	100		
43	37.7	31.0	46.6
58	70.2	58.4	87.6

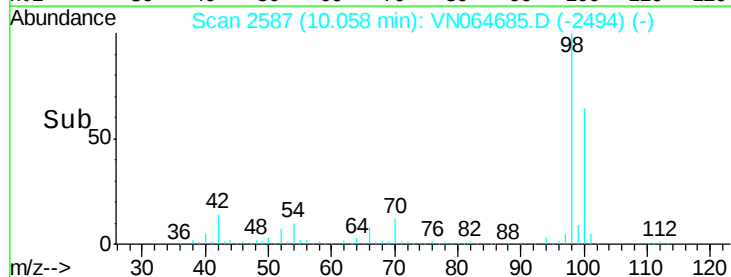
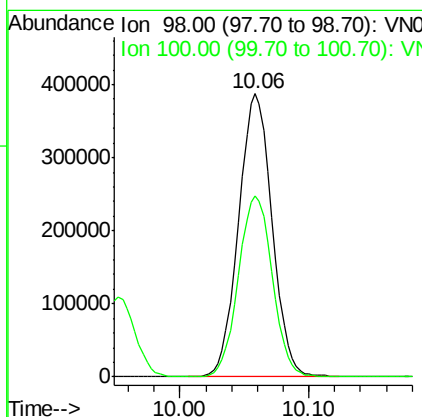
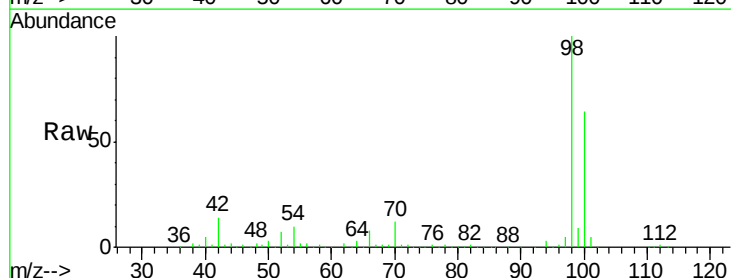
Manual Integrations
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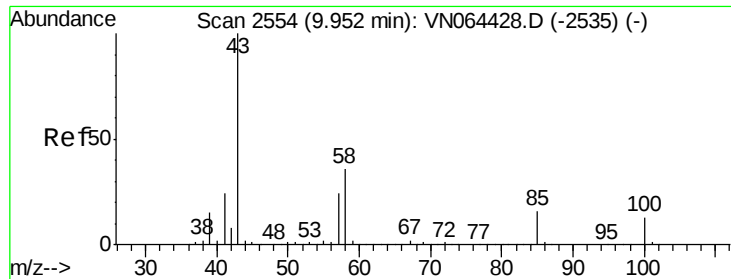
MMDadoda
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#50
Toluene-d8
Concen: 47.611 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN064685.D
Acq: 17 Nov 2020 17:07

Tgt Ion	98	Resp	699759
Ion	Ratio	Lower	Upper
98	100		
100	64.3	50.7	76.1





#51

4-Methyl-2-Pentanone

Concen: 260.535 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN064685.D

Acq: 17 Nov 2020 17:07

Instrument :

MSVOA_N

ClientSampleId :

MW-4MSD

Tot Ion: 43 Resp: 1452801

Ion Ratio Lower Upper

43 100

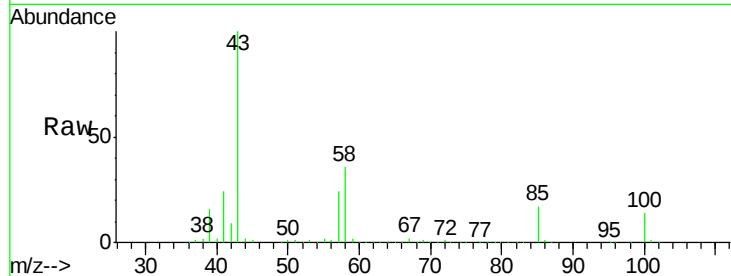
58 36.2 28.4 42.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

800000

600000

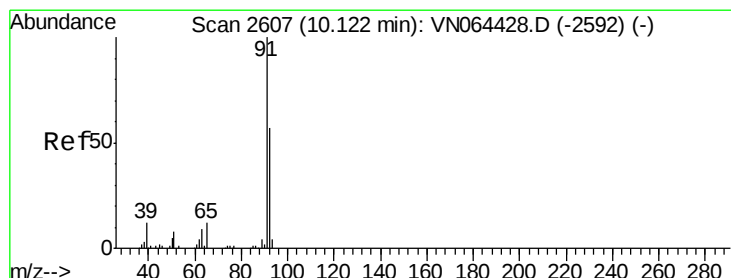
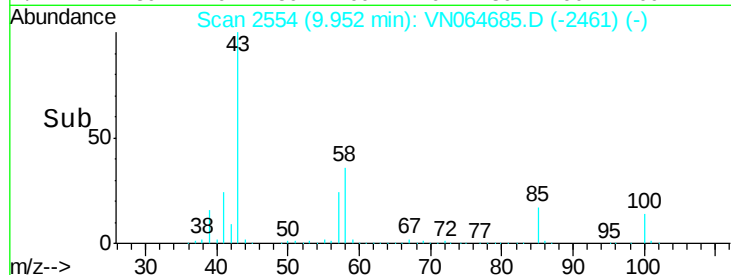
400000

200000

0

9.90 10.00

Time-->



#52

Toluene

Concen: 48.012 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN064685.D

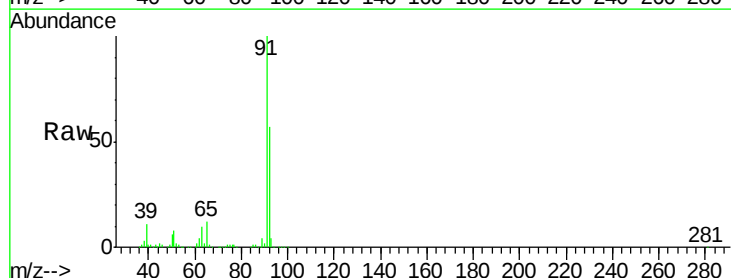
Acq: 17 Nov 2020 17:07

Tgt Ion: 92 Resp: 507710

Ion Ratio Lower Upper

92 100

91 175.9 139.6 209.4



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

500000

400000

300000

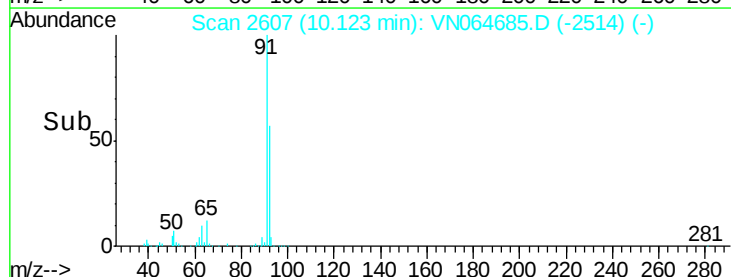
200000

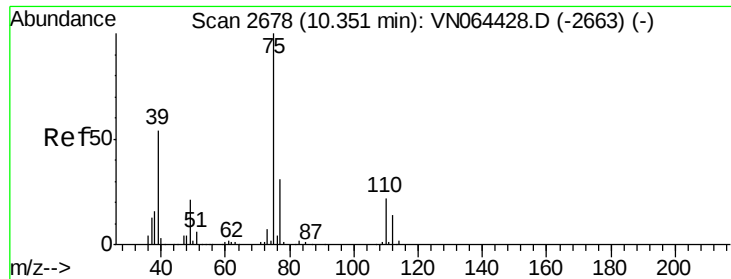
100000

0

10.10 10.20

Time-->





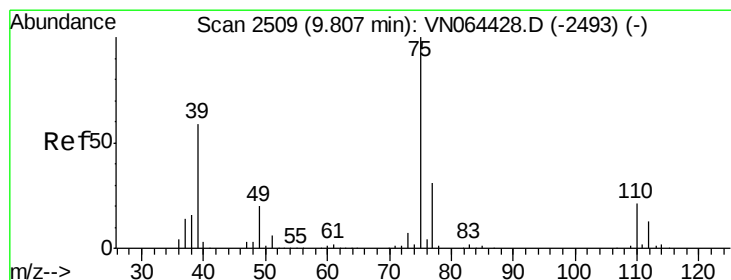
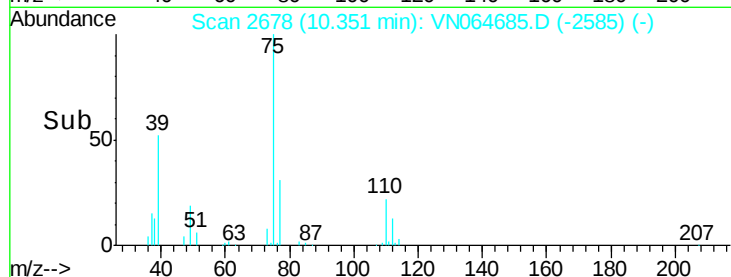
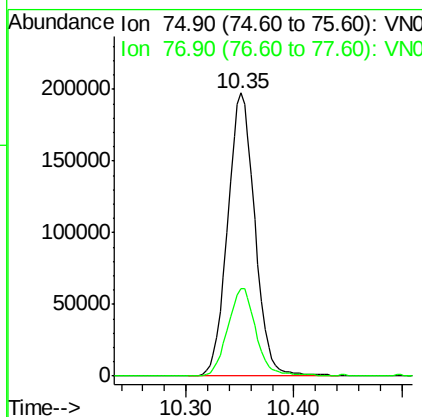
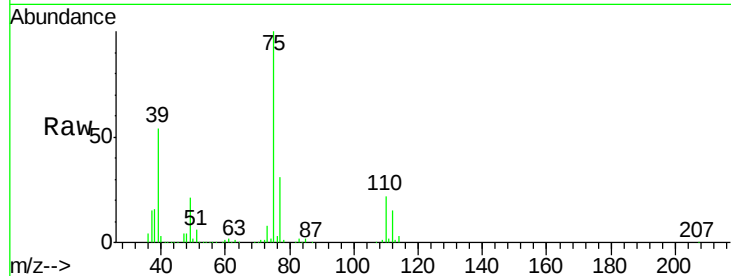
#53
t-1,3-Dichloropropene
Concen: 50.116 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN064685.D
Acq: 17 Nov 2020 17:07

Instrument :
MSVOA_N
ClientSampleId :
MW-4MSD

Tot Ion: 75 Resp: 347913
Ion Ratio Lower Upper
75 100
77 31.0 24.8 37.2

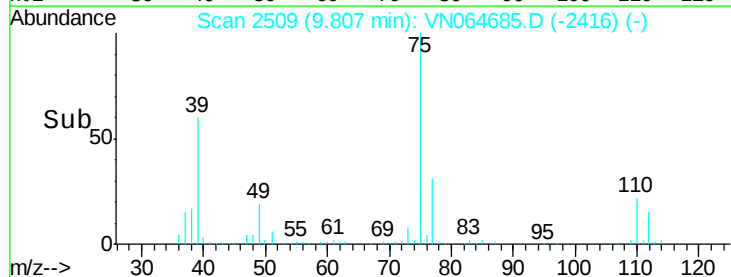
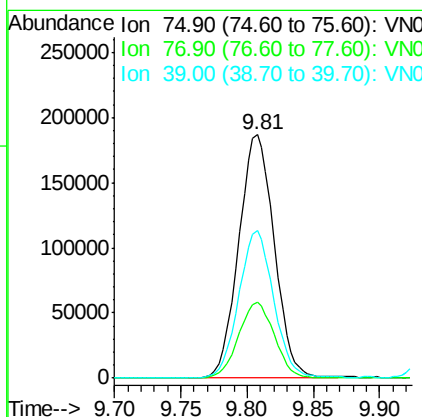
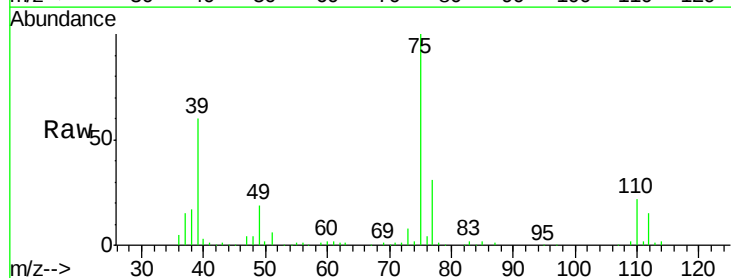
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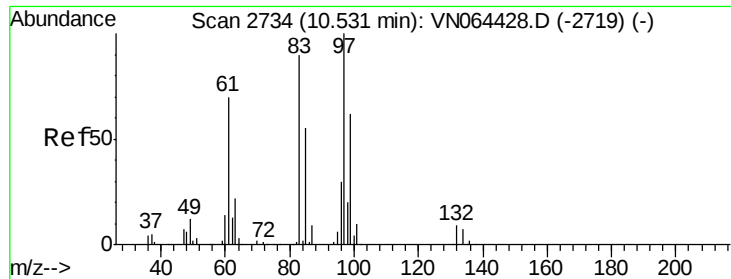
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 46.972 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN064685.D
Acq: 17 Nov 2020 17:07

Tgt Ion: 75 Resp: 348645
Ion Ratio Lower Upper
75 100
77 31.0 24.9 37.3
39 60.3 47.1 70.7





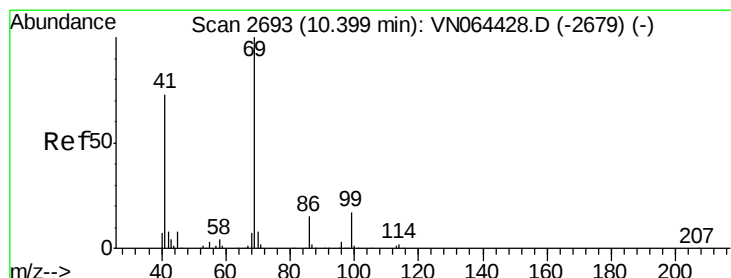
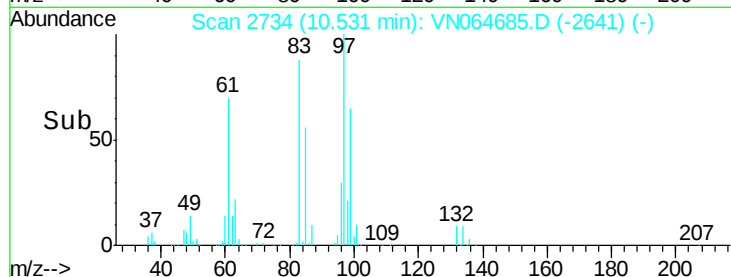
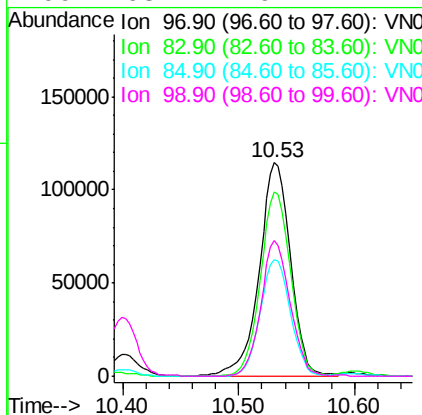
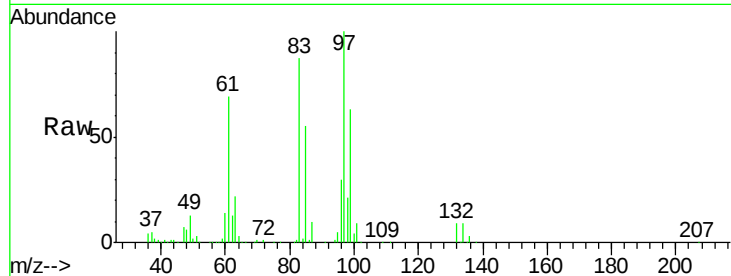
#55
 1,1,2-Trichloroethane
 Concen: 52.246 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN064685.D
 Acq: 17 Nov 2020 17:07

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		215465		
83	86.6	71.7	107.5		
85	54.8	44.3	66.5		
99	63.1	49.4	74.2		

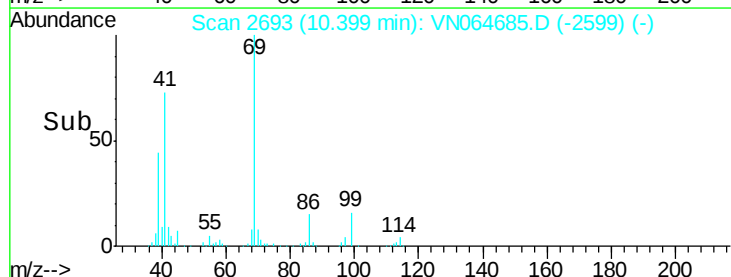
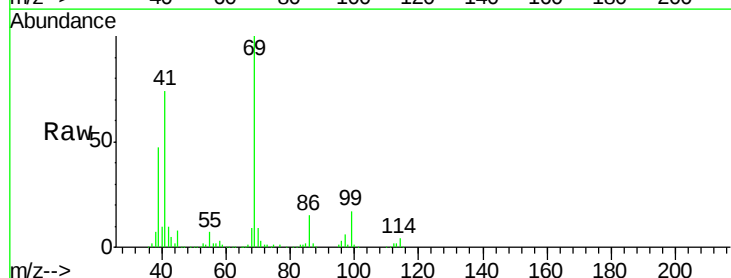
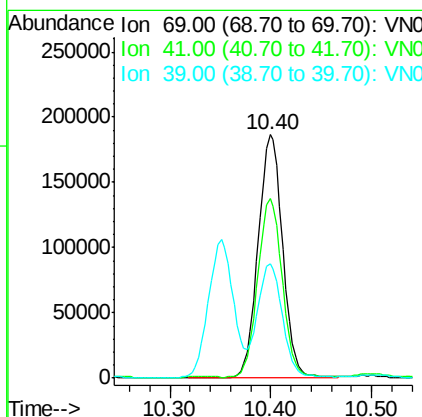
Manual Integrations
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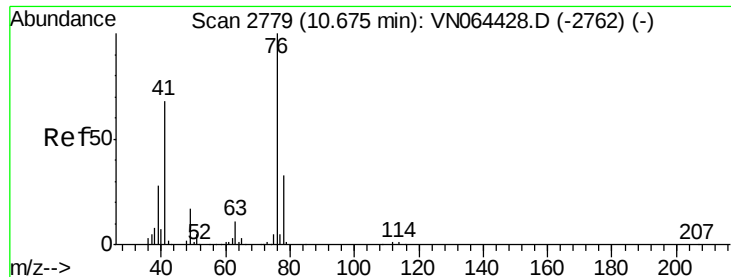
MMDadoda
 11/18/2020 5:15:53 PM



#56
 Ethyl methacrylate
 Concen: 46.539 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN064685.D
 Acq: 17 Nov 2020 17:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		314884		
41	72.9	59.3	88.9		
39	47.5	35.4	53.0		





#57

1,3-Dichloropropane

Concen: 48.153 ug/l

RT: 10.68 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN064685.D

Acq: 17 Nov 2020 17:07

Instrument :

MSVOA_N

ClientSampleId :

MW-4MSD

Tot Ion: 76 Resp: 346627

Ion Ratio Lower Upper

76 100

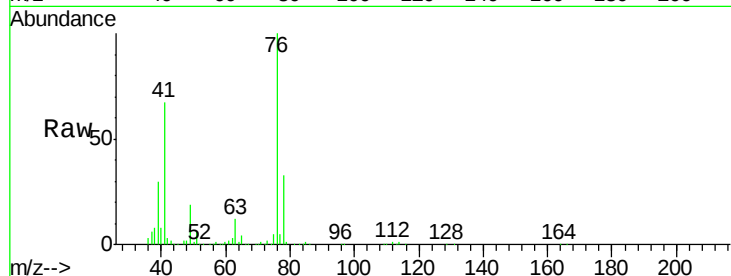
78 32.6 25.8 38.6

Manual Integrations

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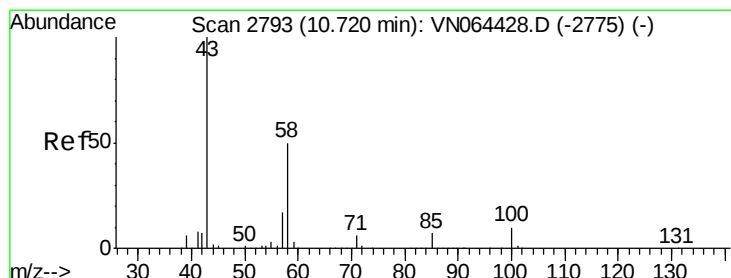
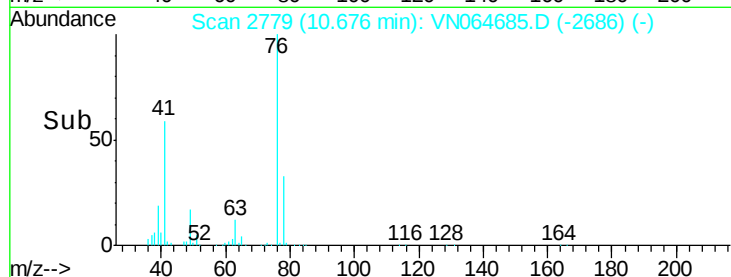
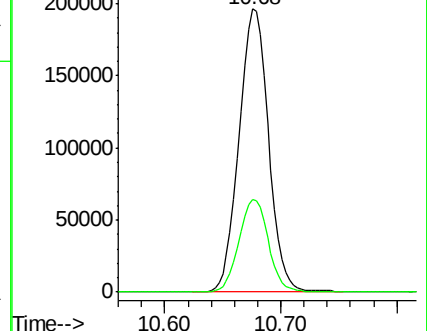
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#59

2-Hexanone

Concen: 236.814 ug/l

RT: 10.72 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VN064685.D

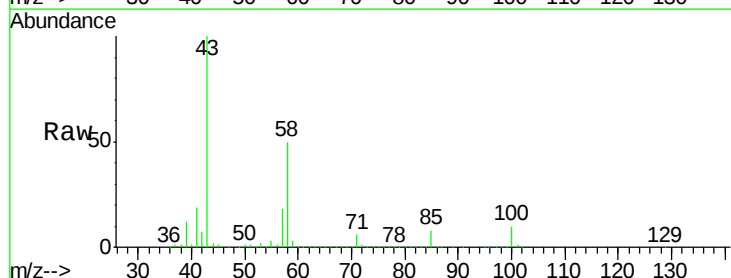
Acq: 17 Nov 2020 17:07

Tgt Ion: 43 Resp: 1075828

Ion Ratio Lower Upper

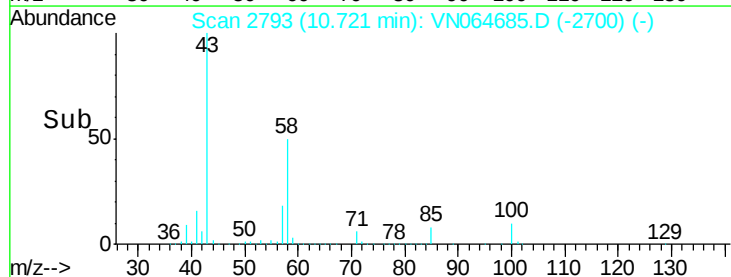
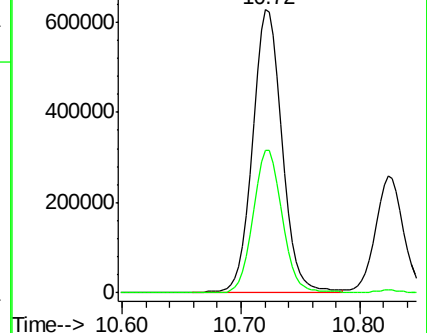
43 100

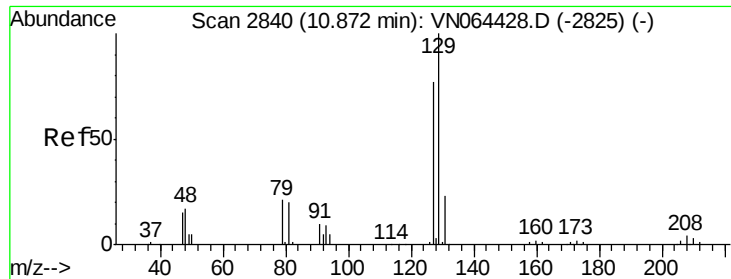
58 50.0 24.7 74.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





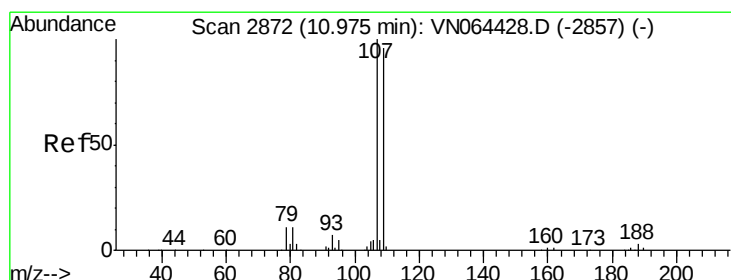
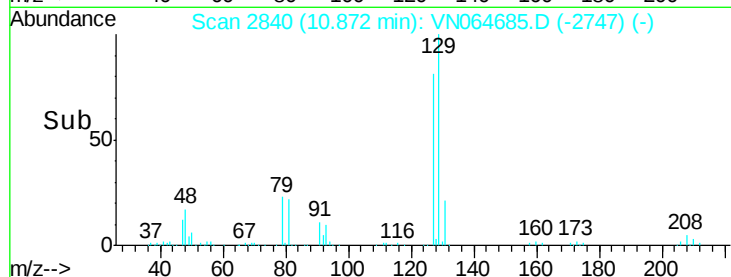
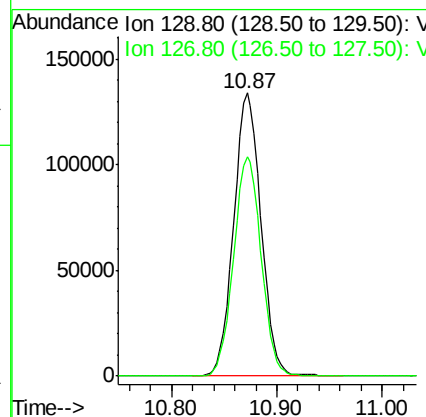
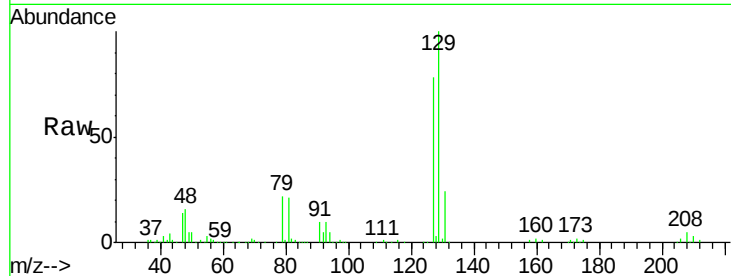
#60
Dibromochloromethane
Concen: 52.004 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN064685.D
Acq: 17 Nov 2020 17:07

Instrument :
MSVOA_N
ClientSampled :
MW-4MSD

Tot Ion	Ratio	Lower	Upper
129	100		
127	78.1	38.9	116.7

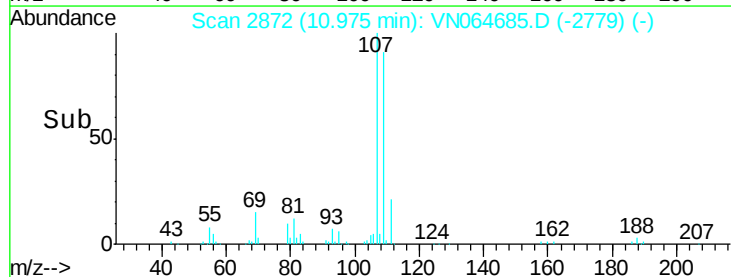
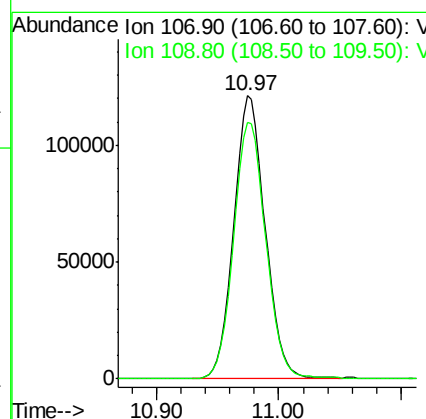
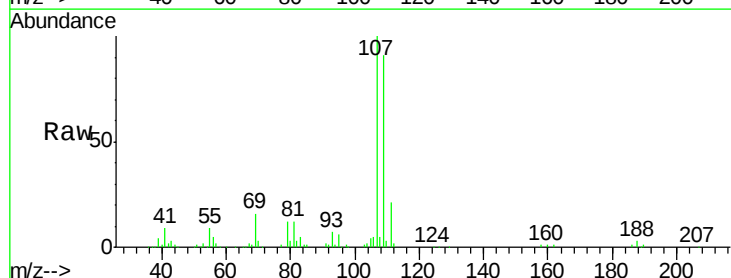
Manual Integrations
APPROVED

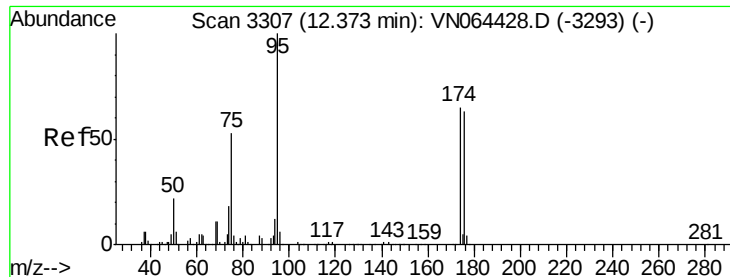
MMDadoda
11/18/2020 5:15:53 PM



#61
1,2-Dibromoethane
Concen: 51.814 ug/l
RT: 10.97 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN064685.D
Acq: 17 Nov 2020 17:07

Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.4	75.9	113.9





#62

4-Bromofluorobenzene

Concen: 51.094 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064685.D

Acq: 17 Nov 2020 17:07

Instrument :

MSVOA_N

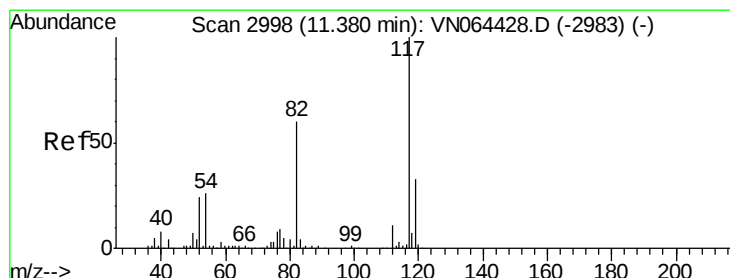
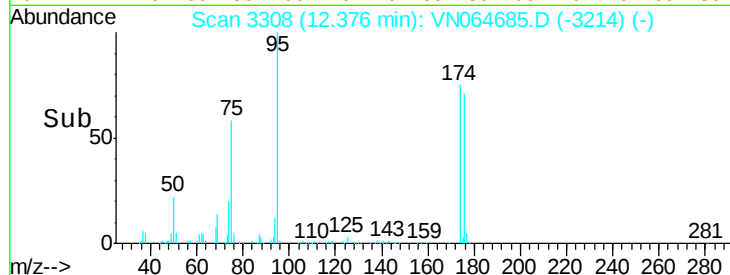
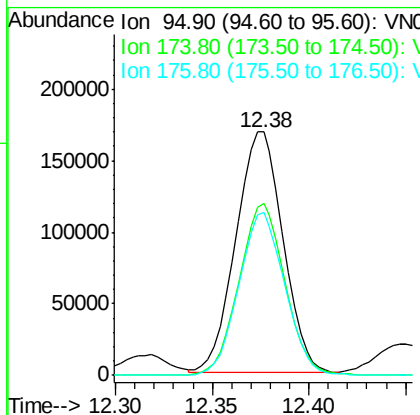
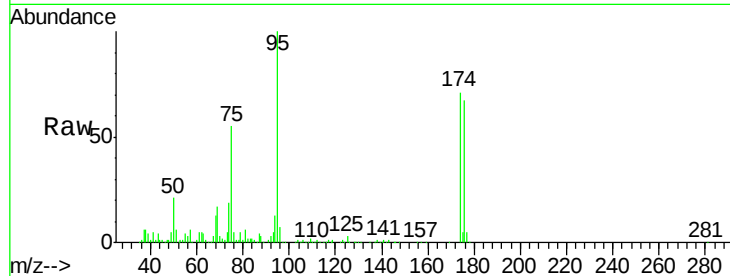
ClientSampleId :

MW-4MSD

Tot Ion:	95	Resp:	284001
Ion Ratio	Lower	Upper	
95	100		
174	70.0	0.0	132.6
176	66.4	0.0	129.2

Manual Integrations
APPROVED

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11/18/2020 5:15:53 PM



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

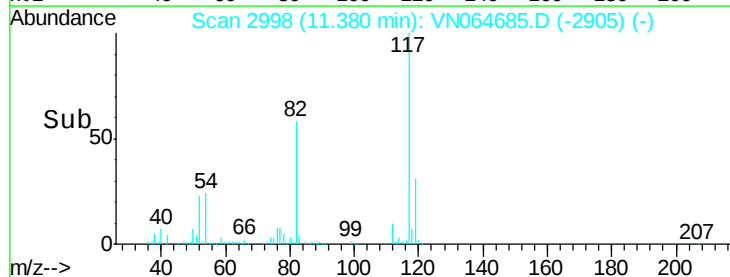
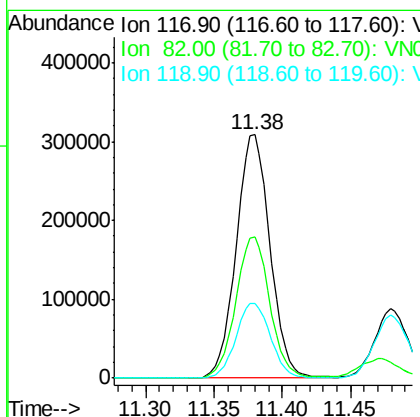
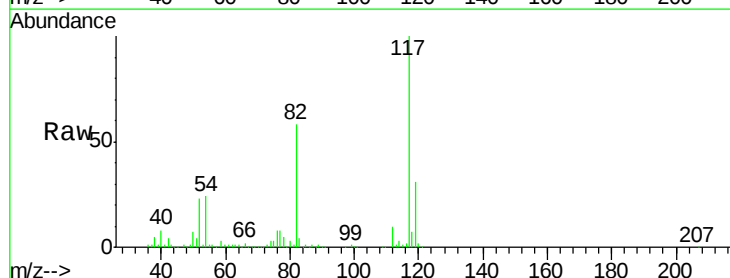
RT: 11.38 min Scan# 2998

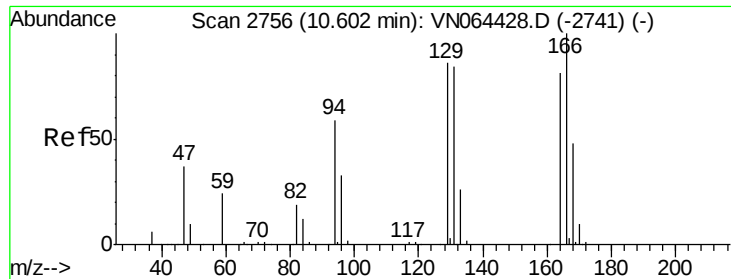
Delta R.T. 0.00 min

Lab File: VN064685.D

Acq: 17 Nov 2020 17:07

Tgt Ion:	117	Resp:	532754
Ion Ratio	Lower	Upper	
117	100		
82	57.9	48.1	72.1
119	30.6	26.2	39.4





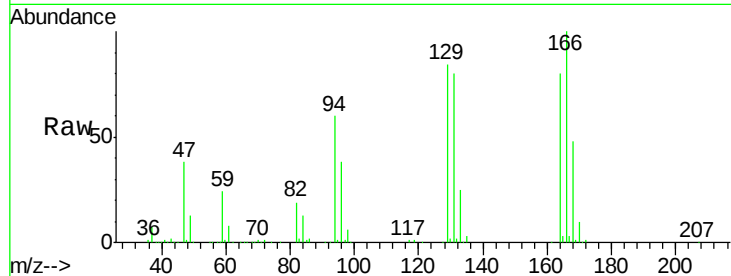
#64
Tetrachloroethene
Concen: 45.011 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064685.D
Acq: 17 Nov 2020 17:07

Instrument :
MSVOA_N
ClientSampleId :
MW-4MSD

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
166	125.4	98.2	147.2	
129	105.6	84.6	127.0	
131	100.4	82.2	123.2	

Manual Integrations
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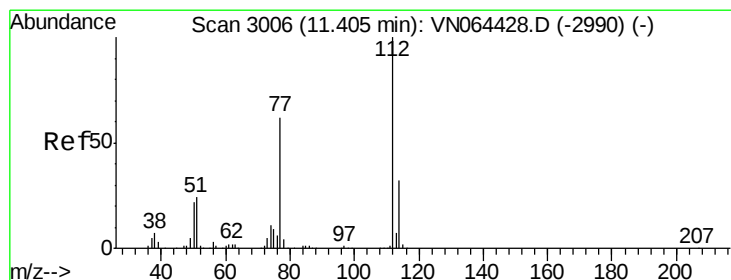
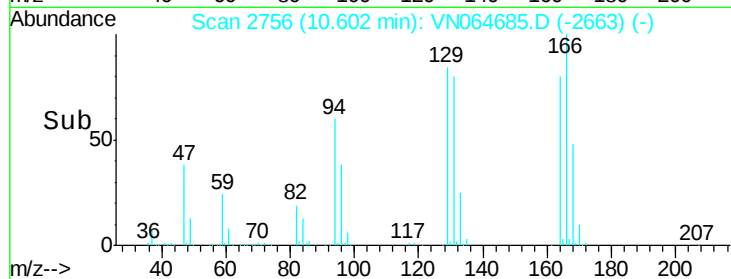
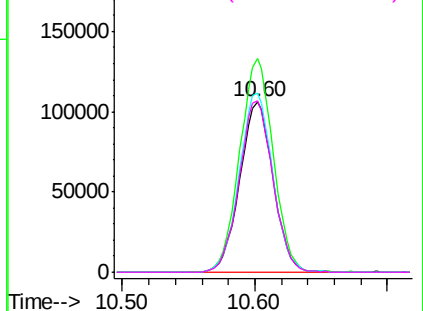
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

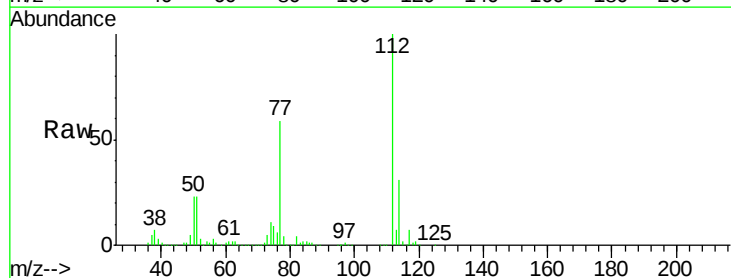
Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65
Chlorobenzene
Concen: 47.871 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN064685.D
Acq: 17 Nov 2020 17:07

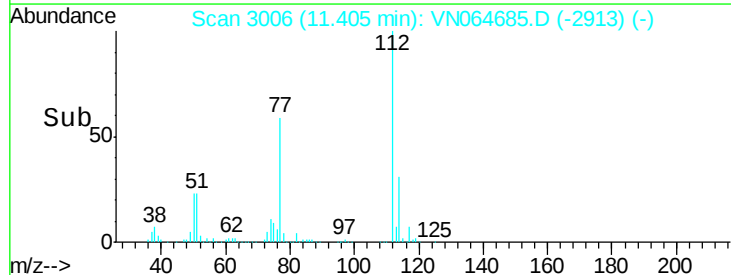
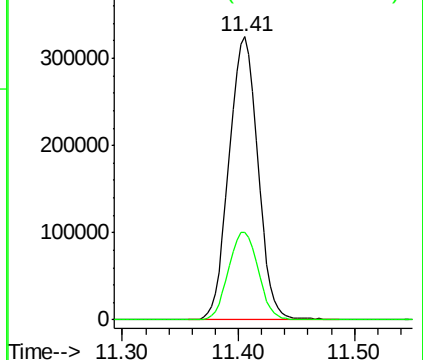
Tgt Ion	Ratio	Resp	Lower	Upper
112	100			
114	31.0	25.6	38.4	

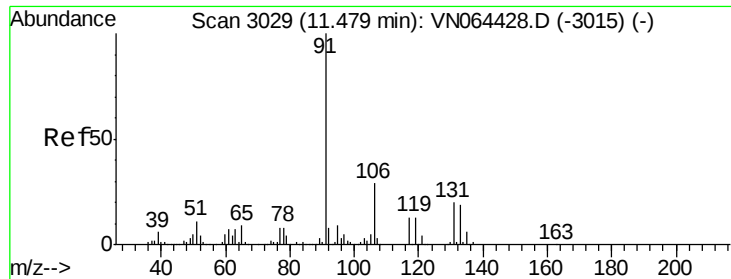


Abundance

Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





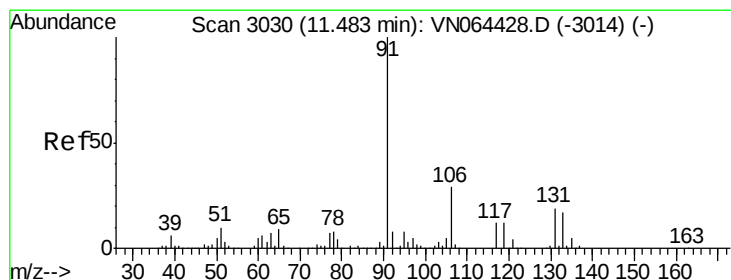
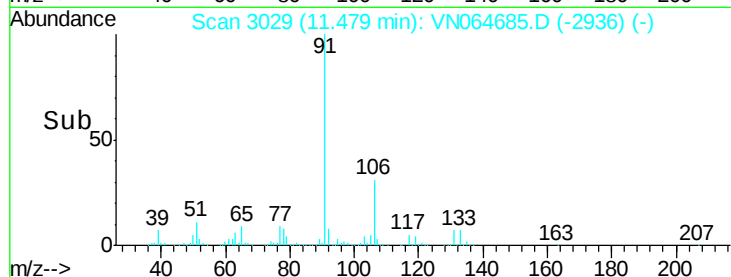
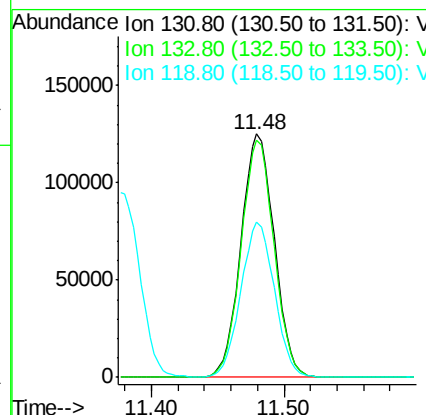
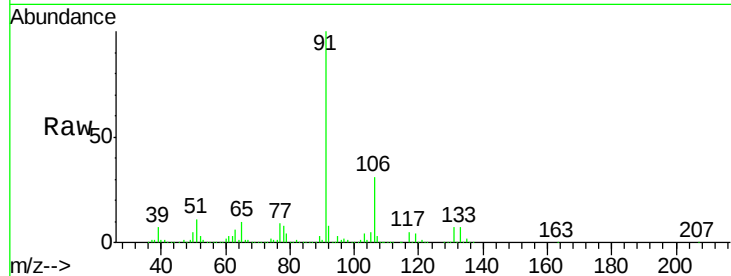
#66
 1,1,1,2-Tetrachloroethane
 Concen: 50.187 ug/l
 RT: 11.48 min Scan# 3029
 Delta R.T. 0.00 min
 Lab File: VN064685.D
 Acq: 17 Nov 2020 17:07

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4MSD

Tot Ion	Ratio	Resp	Lower	Upper
131	100	218667		
133	96.4	46.9	140.7	
119	63.9	32.1	96.5	

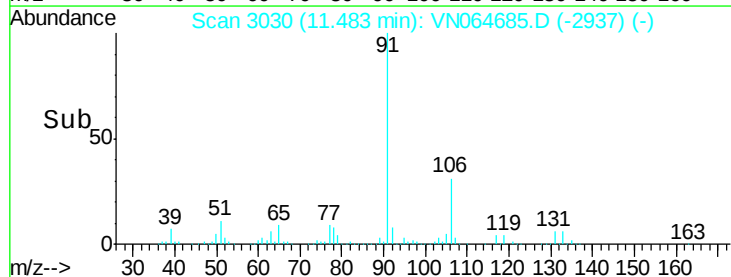
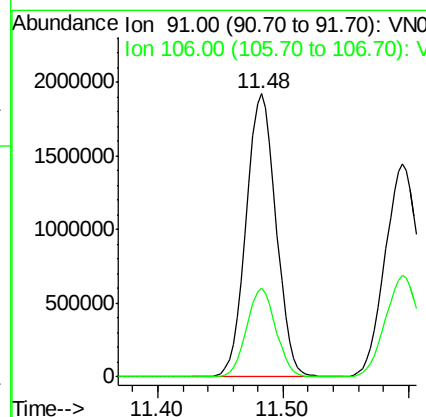
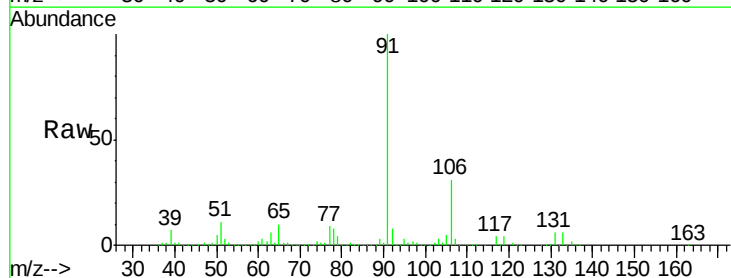
Manual Integrations
 APPROVED

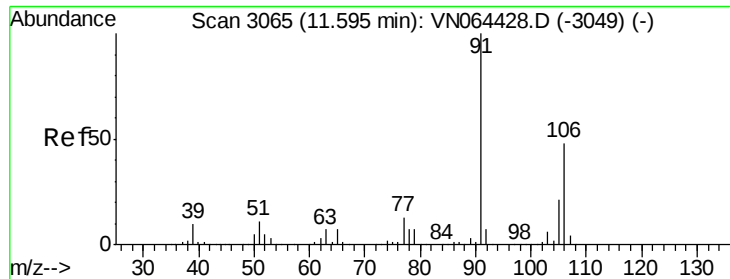
MMDadoda
 11/18/2020 5:15:53 PM



#67
 Ethyl Benzene
 Concen: 152.943 ug/l
 RT: 11.48 min Scan# 3030
 Delta R.T. 0.00 min
 Lab File: VN064685.D
 Acq: 17 Nov 2020 17:07

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	3177249		
106	31.2	23.6	35.4	





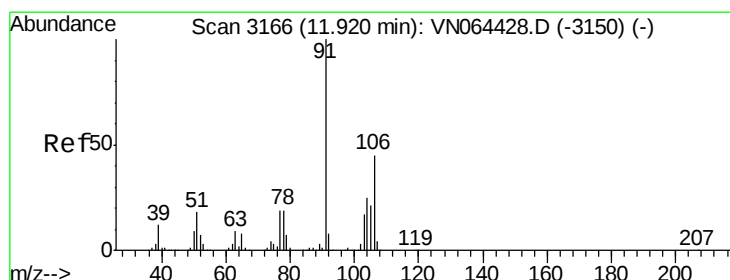
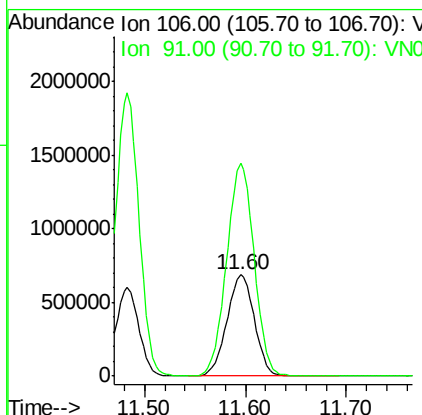
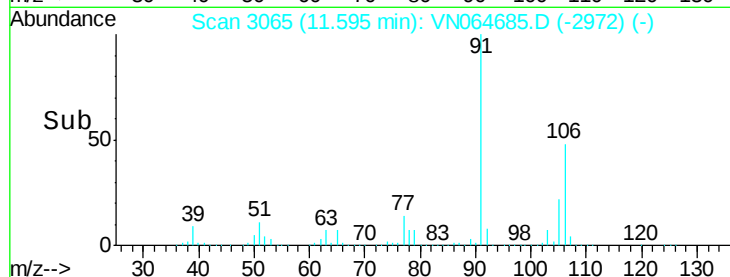
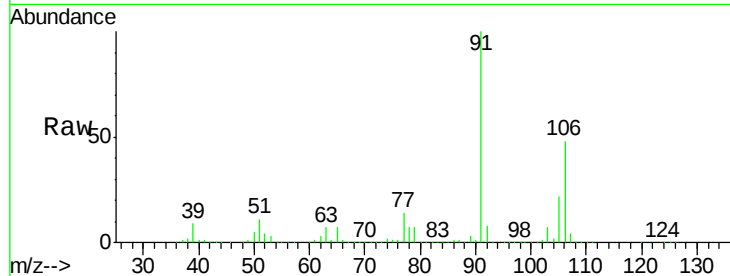
#68
m/p-Xylenes
Concen: 173.283 ug/l
RT: 11.60 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN064685.D
Acq: 17 Nov 2020 17:07

Instrument :
MSVOA_N
ClientSampleId :
MW-4MSD

Tot Ion:106 Resp: 1305509
Ion Ratio Lower Upper
106 100
91 211.3 169.4 254.2

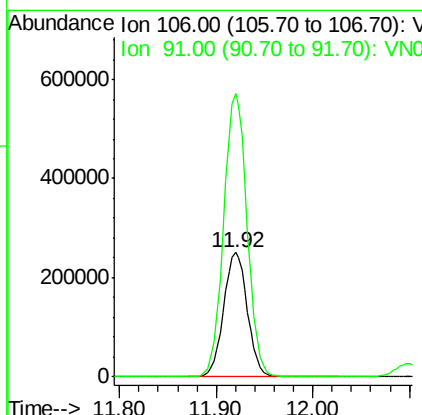
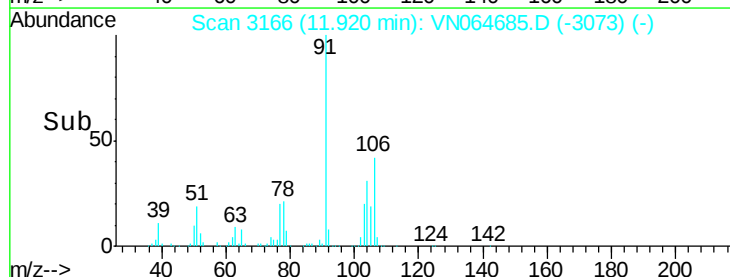
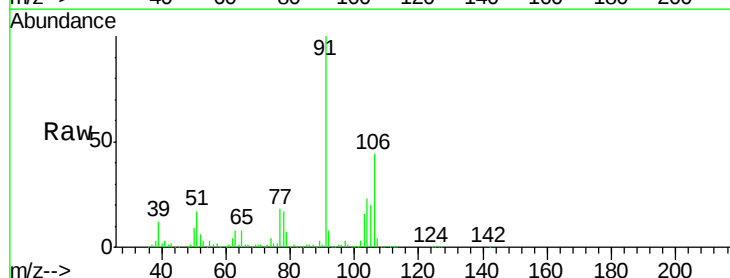
Manual Integrations
APPROVED

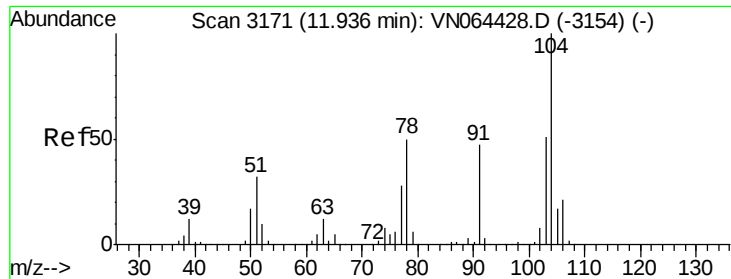
MMDadoda
11/18/2020 5:15:53 PM



#69
o-Xylene
Concen: 58.635 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN064685.D
Acq: 17 Nov 2020 17:07

Tgt Ion:106 Resp: 426873
Ion Ratio Lower Upper
106 100
91 223.9 111.7 334.9





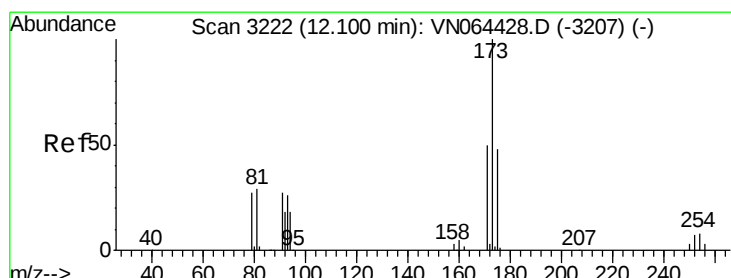
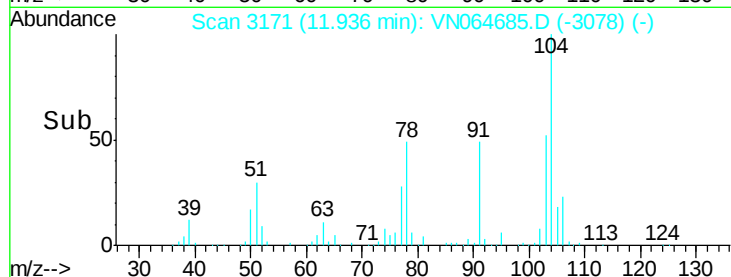
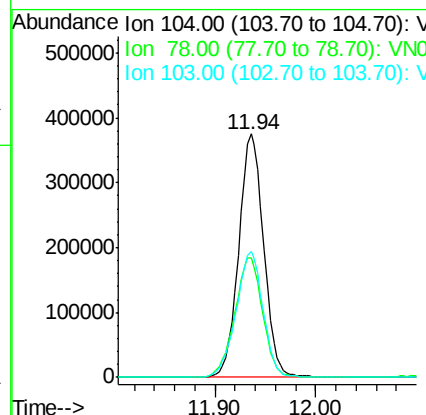
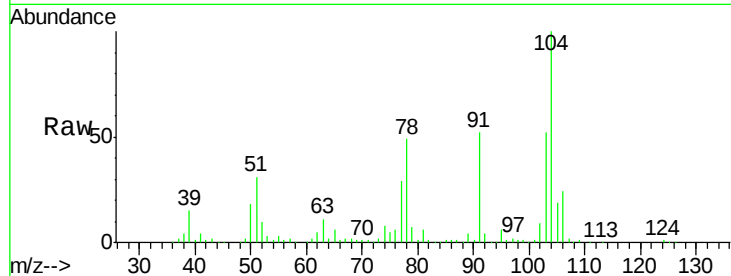
#70
Stvrene
Concen: 52.488 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VN064685.D
Acq: 17 Nov 2020 17:07

Instrument :
MSVOA_N
ClientSampled :
MW-4MSD

Tot Ion	Ratio	Lower	Upper
104	100		
78	55.3	44.0	66.0
103	56.0	43.8	65.6

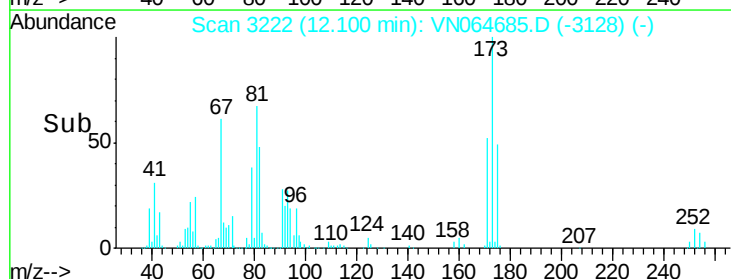
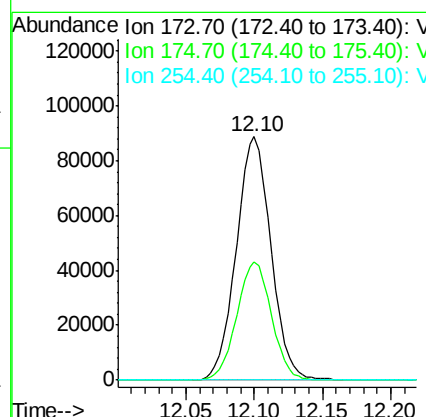
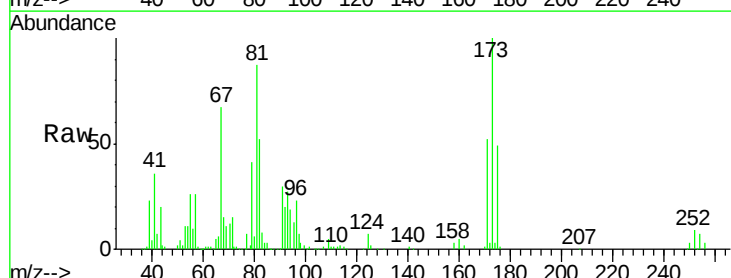
Manual Integrations
APPROVED

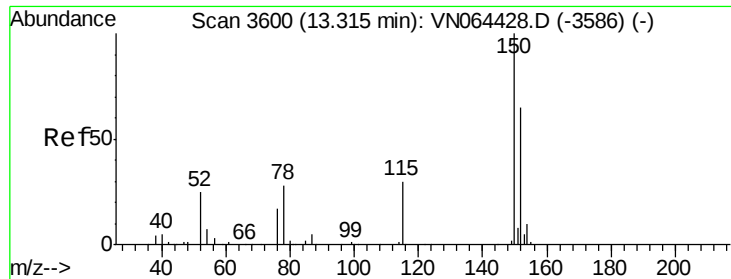
MMDadoda
11/18/2020 5:15:53 PM



#71
Bromoform
Concen: 48.105 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN064685.D
Acq: 17 Nov 2020 17:07

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.5	23.7	71.1
254	0.0	0.0	0.0#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN064685.D

Acq: 17 Nov 2020 17:07

Instrument :

MSVOA_N

ClientSampleId :

MW-4MSD

Tot Ion:152 Resp: 282888

Ion Ratio Lower Upper

152 100

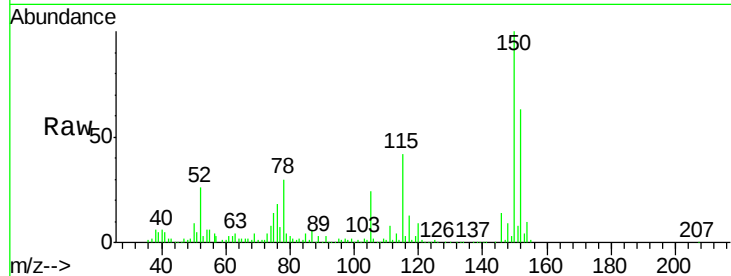
115 0.0 32.0 96.0#

150 175.0 0.0 353.8

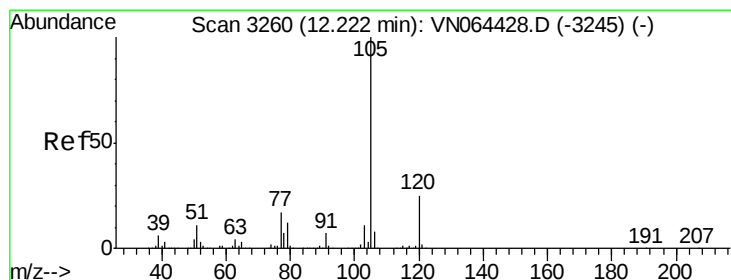
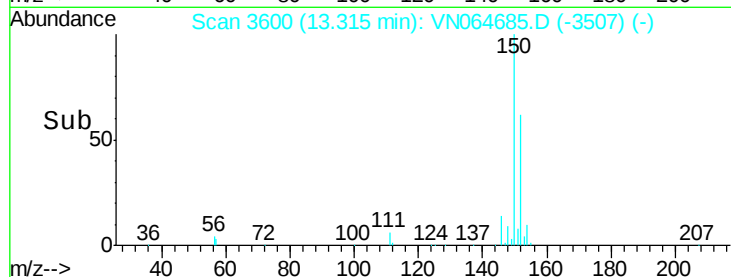
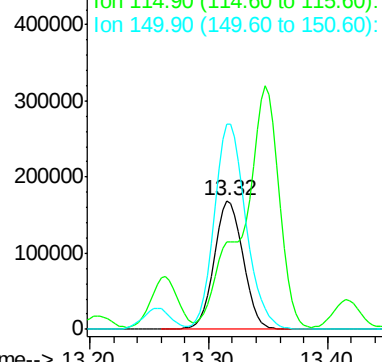
Manual Integrations
APPROVED

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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: 161.622 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN064685.D

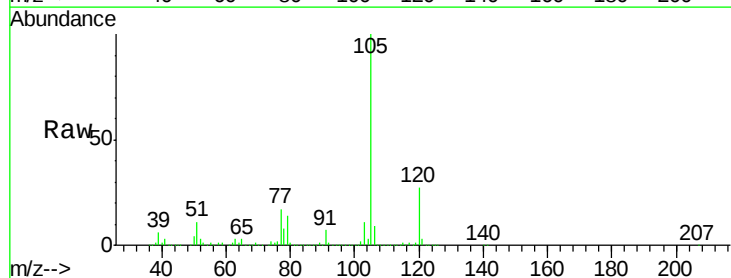
Acq: 17 Nov 2020 17:07

Tgt Ion:105 Resp: 3634040

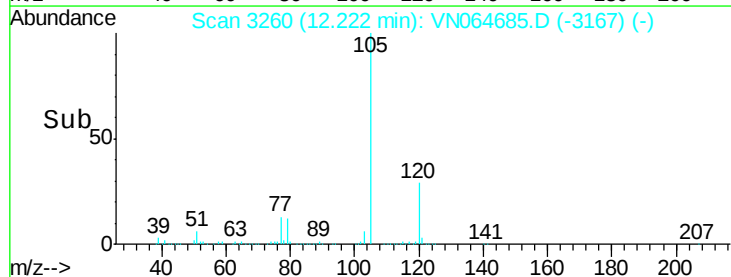
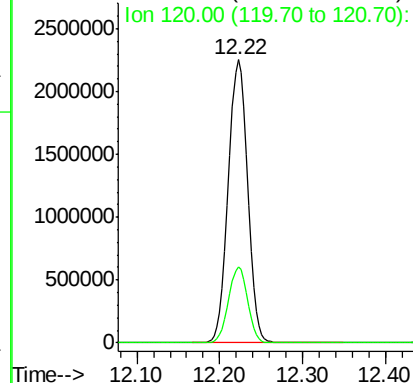
Ion Ratio Lower Upper

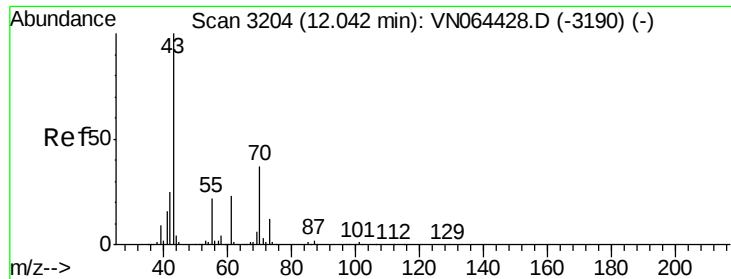
105 100

120 26.6 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





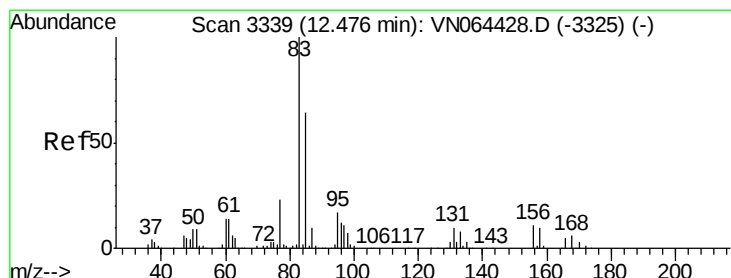
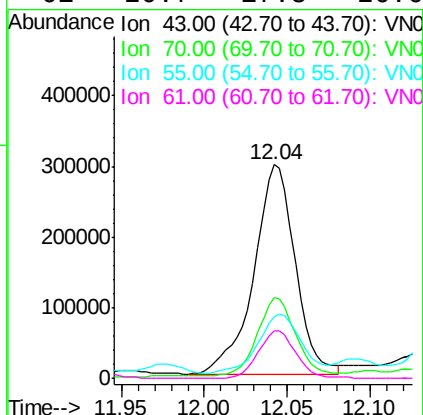
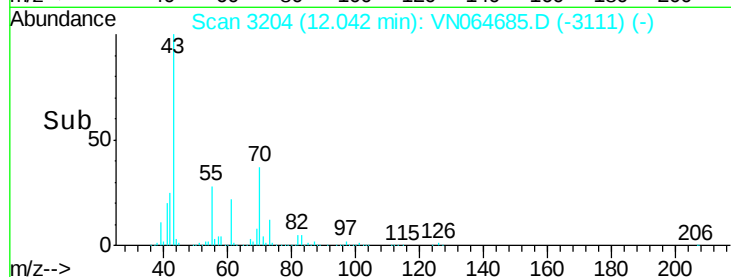
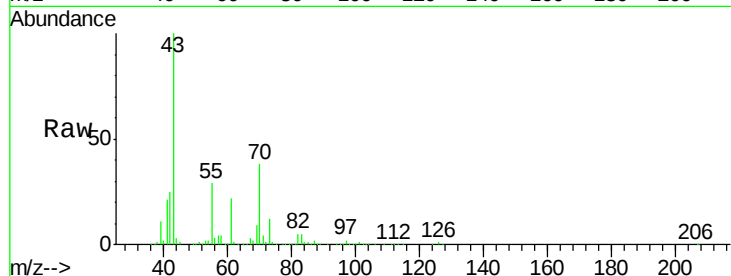
#74
N-amvl acetate
Concen: 47.091 ug/l
RT: 12.04 min Scan# 3204
Delta R.T. 0.00 min
Lab File: VN064685.D
Acq: 17 Nov 2020 17:07

Instrument :
MSVOA_N
ClientSampleId :
MW-4MSD

Tot Ion	Ratio	Lower	Upper
43	100		
70	35.0	29.6	44.4
55	31.3	18.4	27.6
61	20.7	17.8	26.6

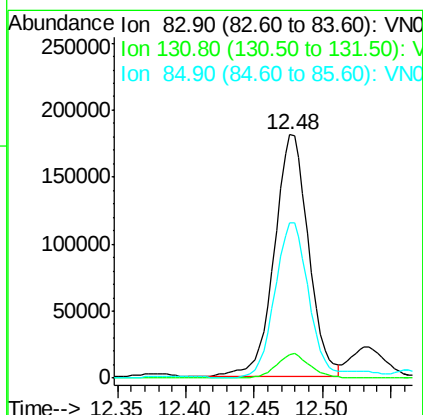
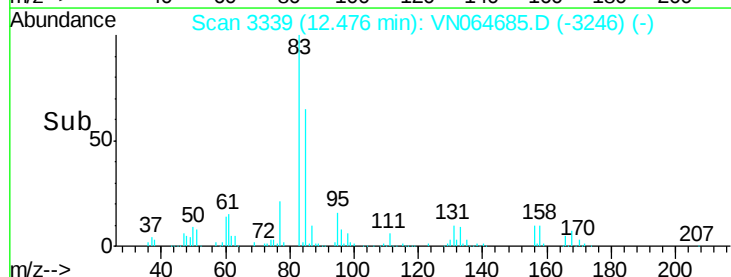
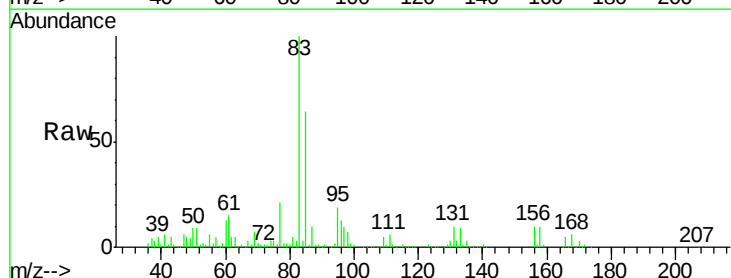
Manual Integrations
APPROVED

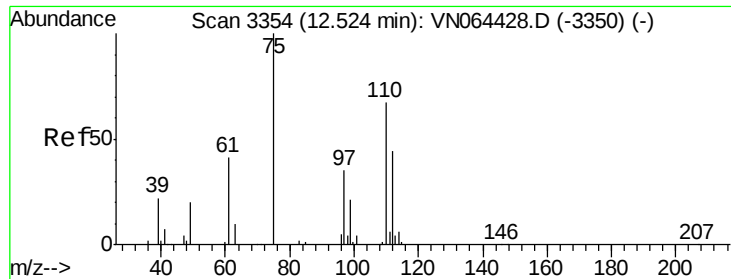
MMDadoda
11/18/2020 5:15:53 PM



#75
1,1,2,2-Tetrachloroethane
Concen: 45.689 ug/l
RT: 12.48 min Scan# 3339
Delta R.T. 0.00 min
Lab File: VN064685.D
Acq: 17 Nov 2020 17:07

Tgt Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.9	14.7
85	62.5	32.1	96.5





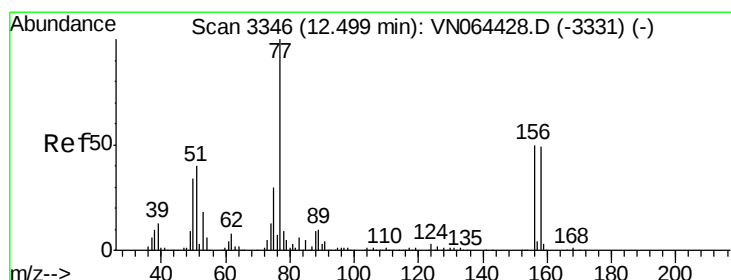
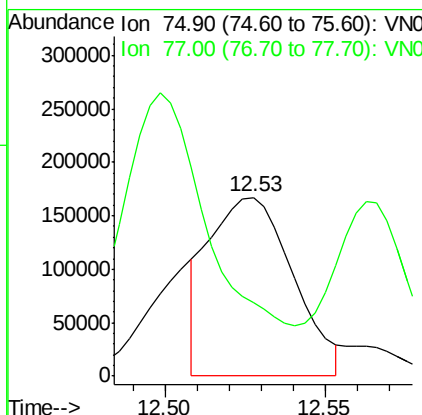
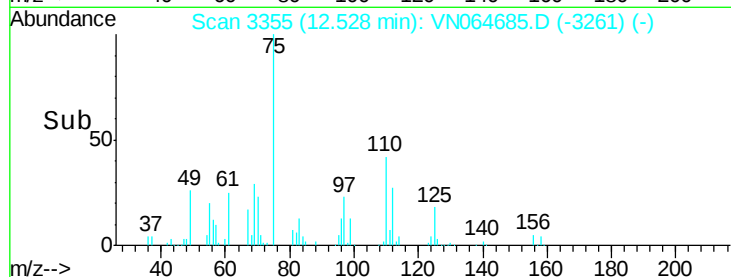
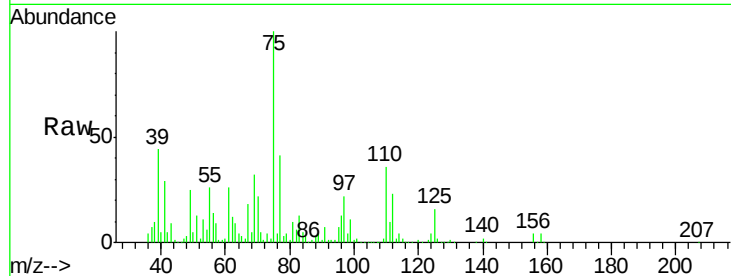
#76
 1,2,3-Trichloropropane
 Concen: 44.129 ug/l m
 RT: 12.53 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VN064685.D
 Acq: 17 Nov 2020 17:07

Instrument :
 MSVOA_N
 ClientSampled :
 MW-4MSD

Tot Ion: 75 Resp: 302469
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0

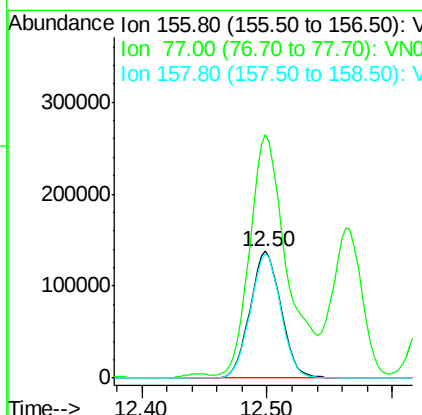
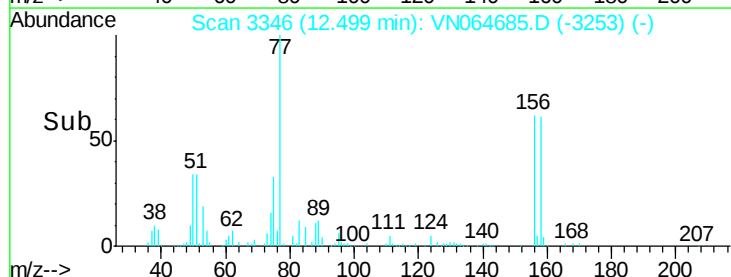
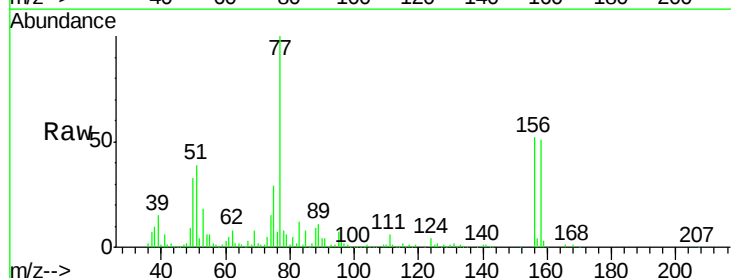
Manual Integrations
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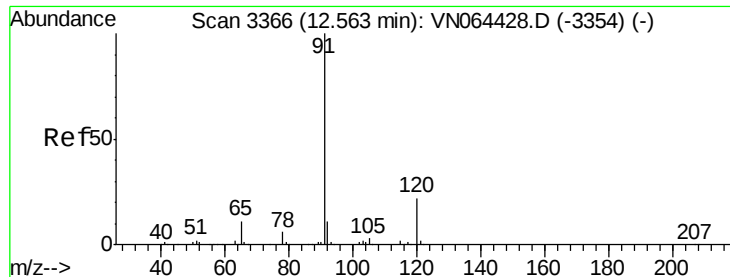
MMDadoda
 11/18/2020 5:15:53 PM



#77
 Bromobenzene
 Concen: 43.107 ug/l
 RT: 12.50 min Scan# 3346
 Delta R.T. 0.00 min
 Lab File: VN064685.D
 Acq: 17 Nov 2020 17:07

Tgt Ion: 156 Resp: 236638
 Ion Ratio Lower Upper
 156 100
 77 223.5 119.0 357.0
 158 96.8 48.4 145.3





#78

n-propylbenzene

Concen: 216.388 ug/l

RT: 12.56 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN064685.D

Acq: 17 Nov 2020 17:07

Instrument :

MSVOA_N

ClientSampleId :

MW-4MSD

Tot Ion: 91 Resp: 5546975

Ion Ratio Lower Upper

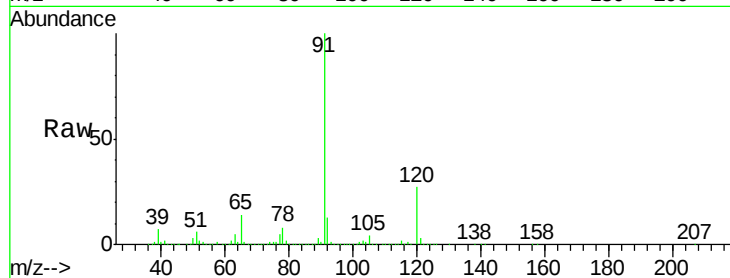
91 100

120 24.7 11.0 33.0

Manual Integrations
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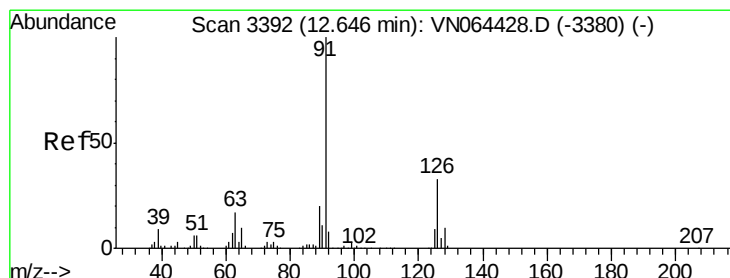
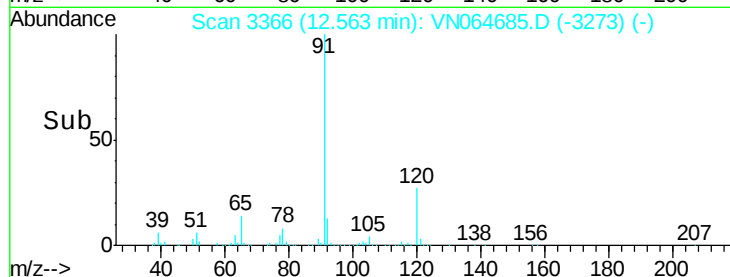
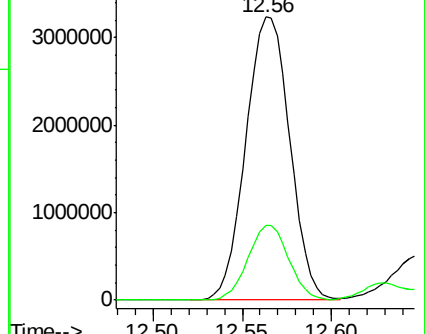
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 61.806 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN064685.D

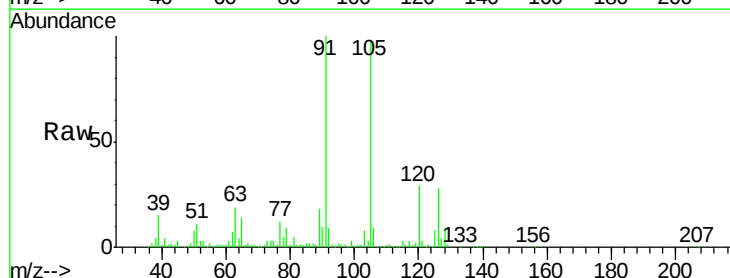
Acq: 17 Nov 2020 17:07

Tgt Ion: 91 Resp: 1004875

Ion Ratio Lower Upper

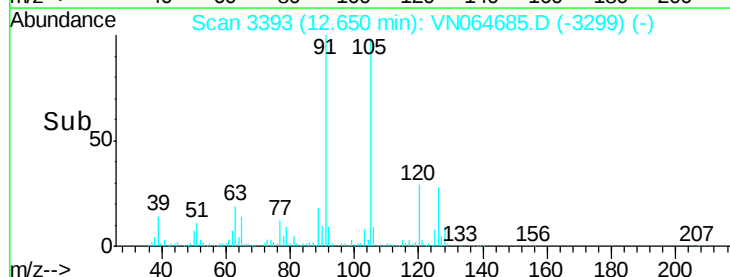
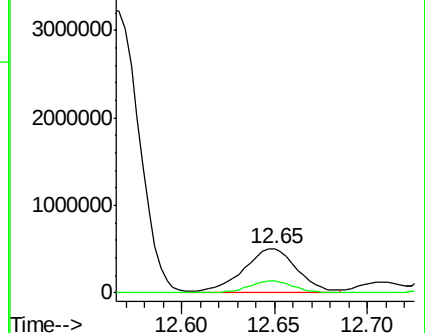
91 100

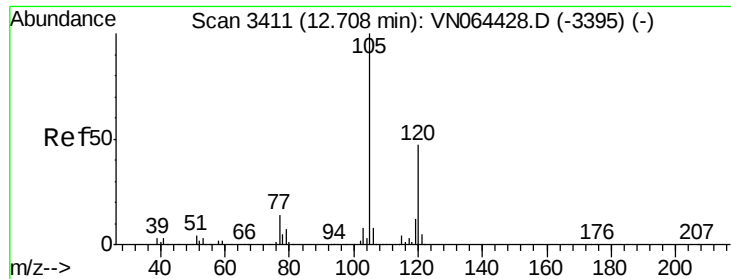
126 23.7 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





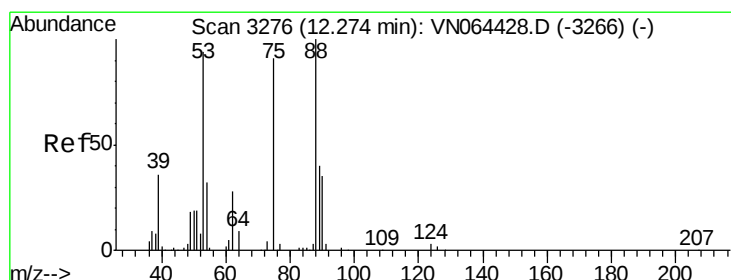
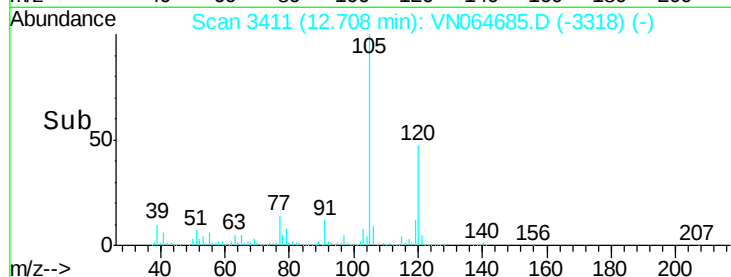
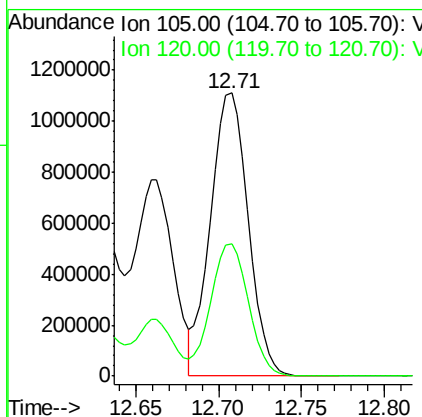
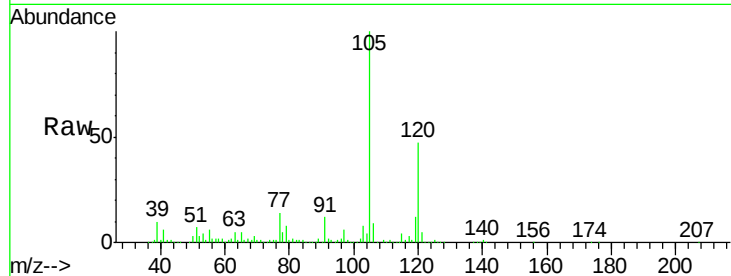
#80
 1,3,5-Trimethylbenzene
 Concen: 94.722 ug/l
 RT: 12.71 min Scan# 3411
 Delta R.T. 0.00 min
 Lab File: VN064685.D
 Acq: 17 Nov 2020 17:07

Instrument :
 MSVOA_N
 ClientSampled :
 MW-4MSD

Tot Ion:105 Resp: 1757031
 Ion Ratio Lower Upper
 105 100
 120 46.9 23.4 70.2

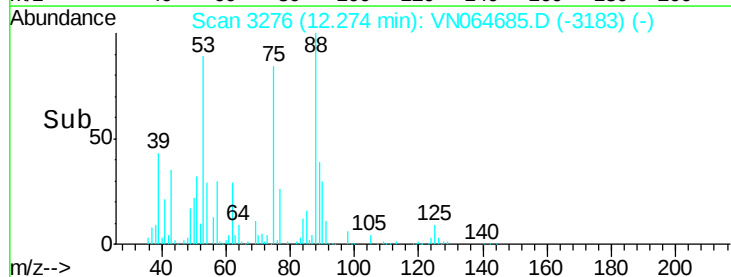
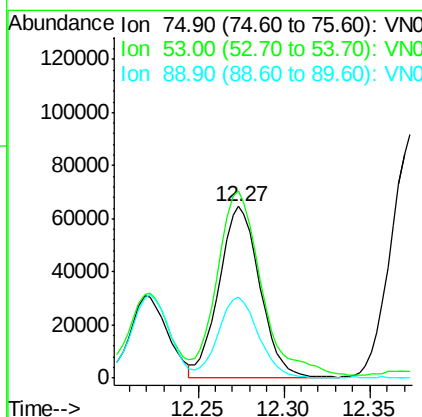
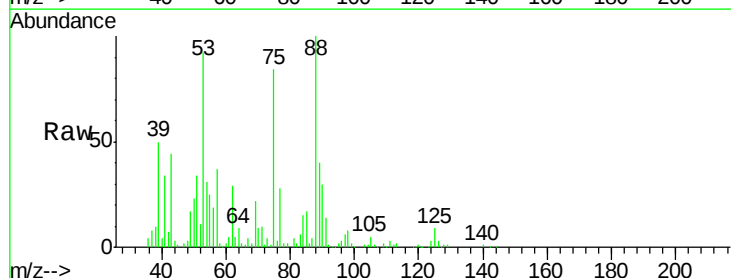
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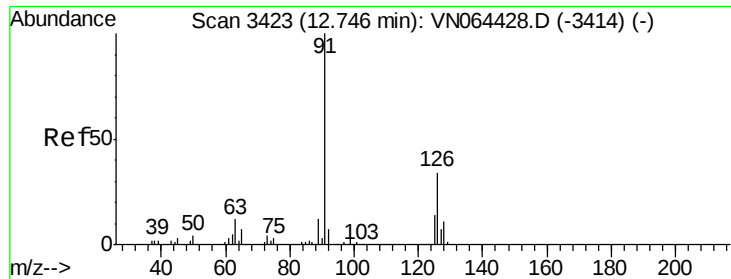
MMDadoda
 11/18/2020 5:15:53 PM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 43.412 ug/l
 RT: 12.27 min Scan# 3276
 Delta R.T. 0.00 min
 Lab File: VN064685.D
 Acq: 17 Nov 2020 17:07

Tgt Ion: 75 Resp: 106569
 Ion Ratio Lower Upper
 75 100
 53 114.5 84.0 126.0
 89 46.2 36.3 54.5





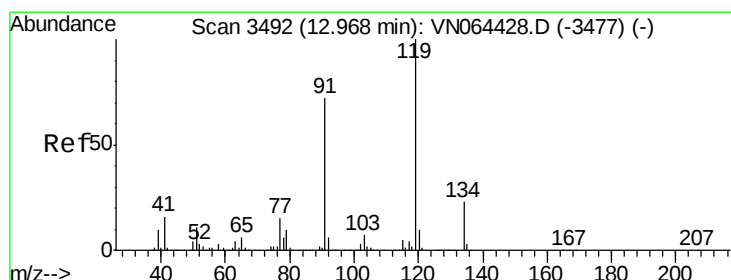
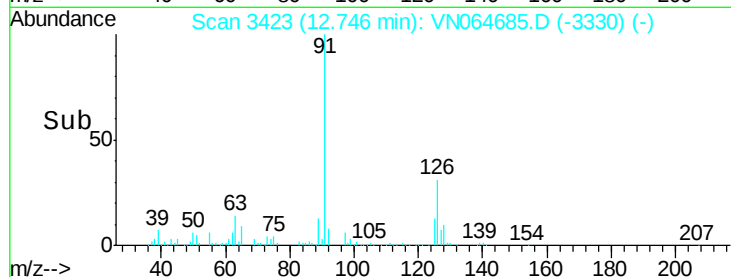
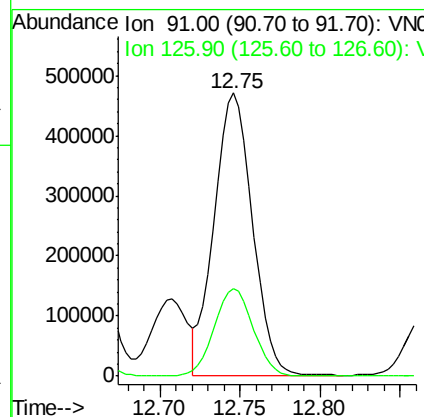
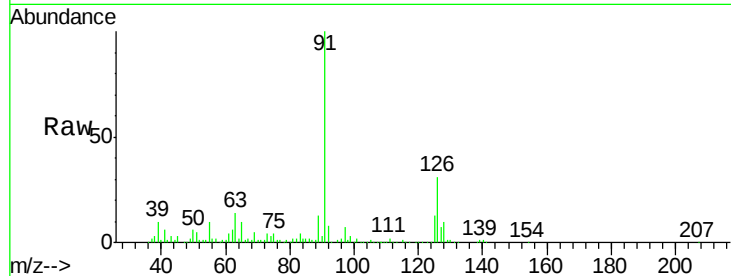
#82
4-Chlorotoluene
Concen: 45.341 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN064685.D
Acq: 17 Nov 2020 17:07

Instrument :
MSVOA_N
ClientSampleId :
MW-4MSD

Tot Ion: 91 Resp: 772013
Ion Ratio Lower Upper
91 100
126 31.6 15.4 46.2

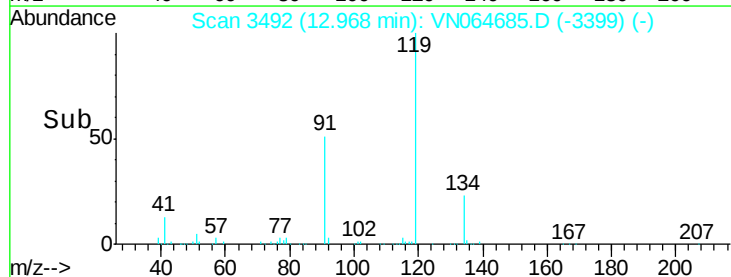
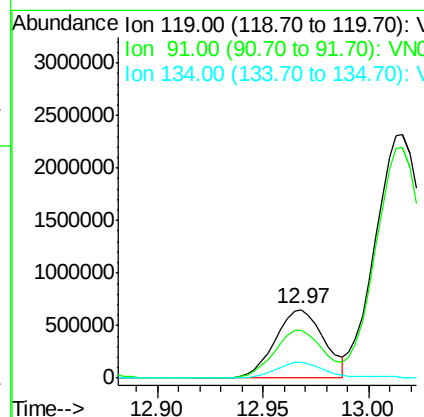
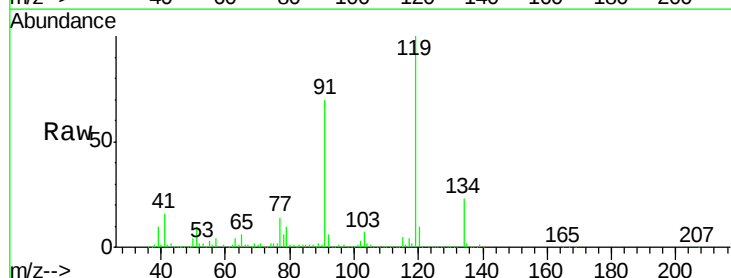
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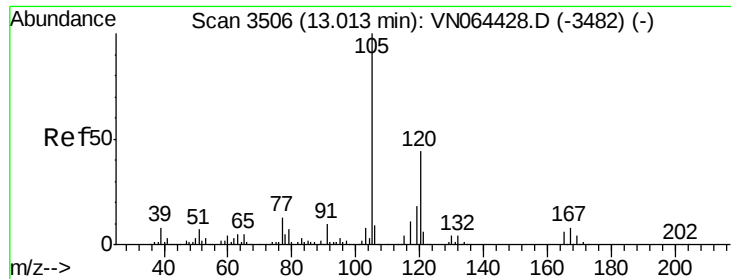
MMDadoda
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#83
tert-Butylbenzene
Concen: 72.666 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN064685.D
Acq: 17 Nov 2020 17:07

Tgt Ion: 119 Resp: 1052732
Ion Ratio Lower Upper
119 100
91 70.7 36.1 108.3
134 23.1 11.7 35.1





#84

1,2,4-Trimethylbenzene

Concen: 651.128 ug/l m

RT: 13.02 min Scan# 3507

Delta R.T. 0.00 min

Lab File: VN064685.D

Acq: 17 Nov 2020 17:07

Instrument :

MSVOA_N

ClientSampled :

MW-4MSD

Tot Ion:105 Resp:12141716

Ion Ratio Lower Upper

105 100

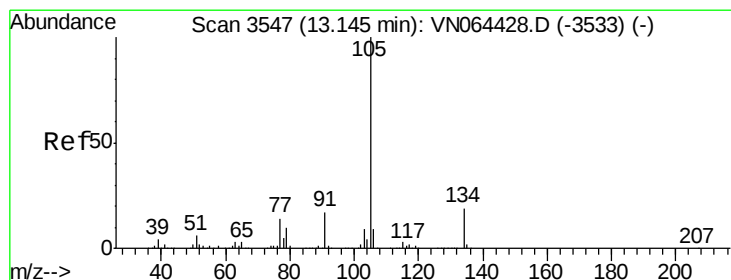
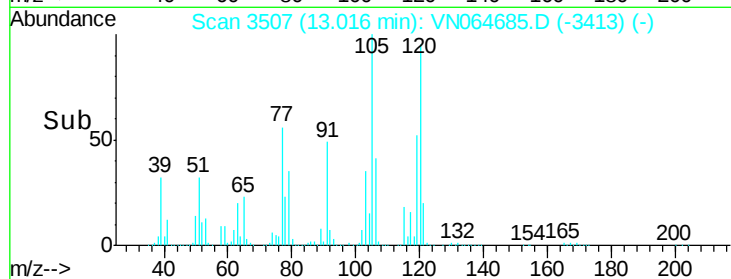
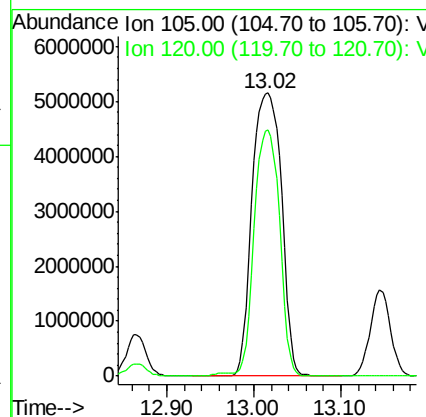
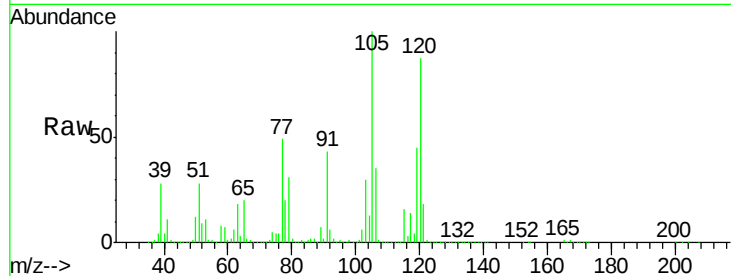
120 3.0 21.9 65.7#

Manual Integrations

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#85

sec-Butylbenzene

Concen: 135.783 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN064685.D

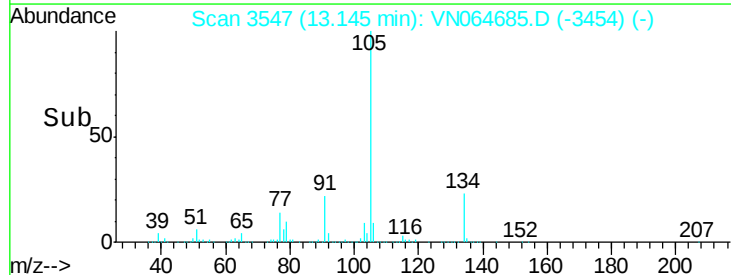
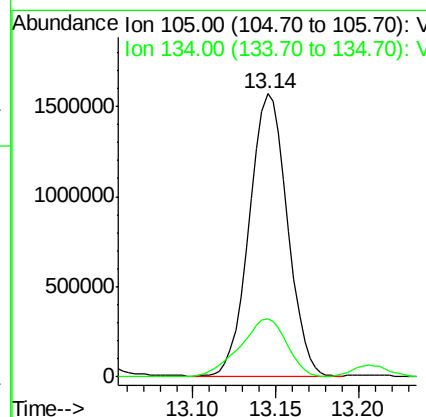
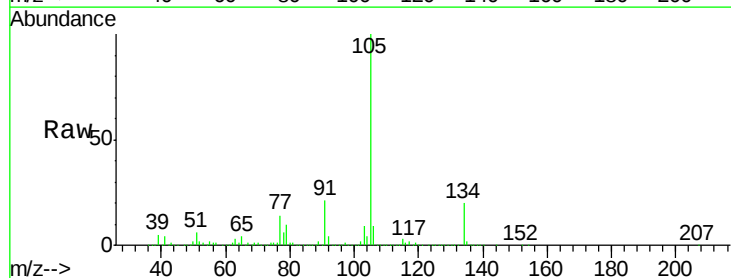
Acq: 17 Nov 2020 17:07

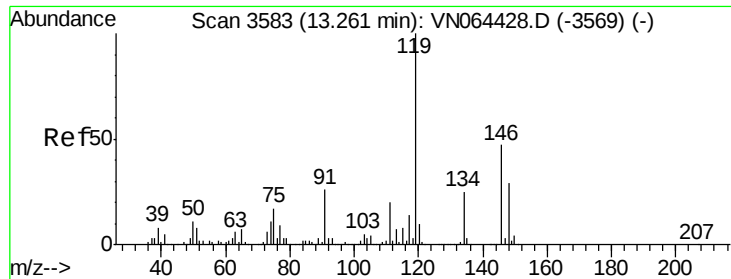
Tgt Ion:105 Resp: 2491312

Ion Ratio Lower Upper

105 100

134 25.5 9.4 28.2





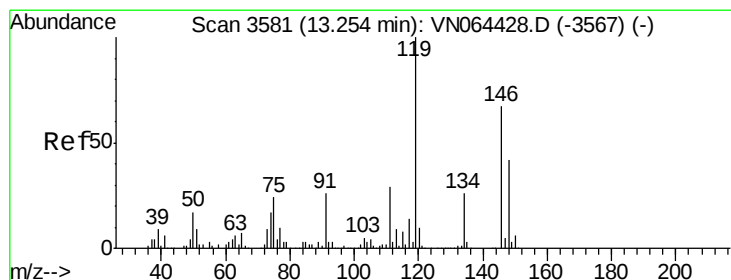
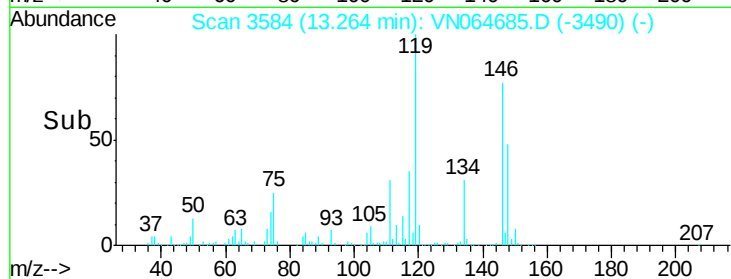
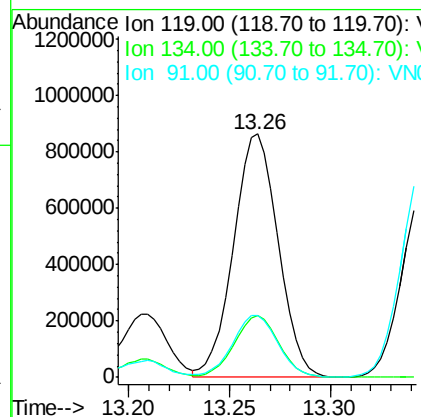
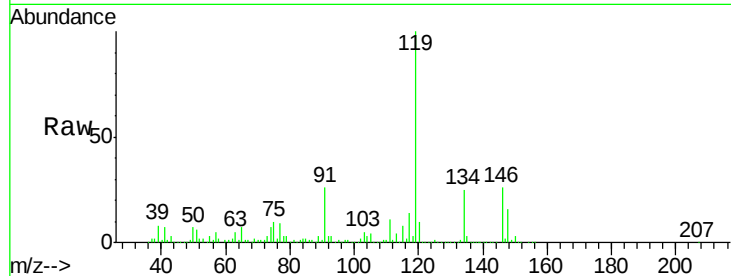
#86
p-Isopropyltoluene
Concen: 80.691 ug/l
RT: 13.26 min Scan# 3584
Delta R.T. 0.00 min
Lab File: VN064685.D
Acq: 17 Nov 2020 17:07

Instrument :
MSVOA_N
ClientSampled :
MW-4MSD

Tot Ion:119 Resp: 1331686
Ion Ratio Lower Upper
119 100
134 25.5 12.6 37.6
91 25.4 12.8 38.3

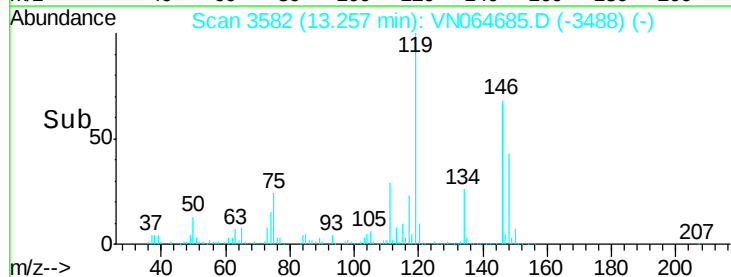
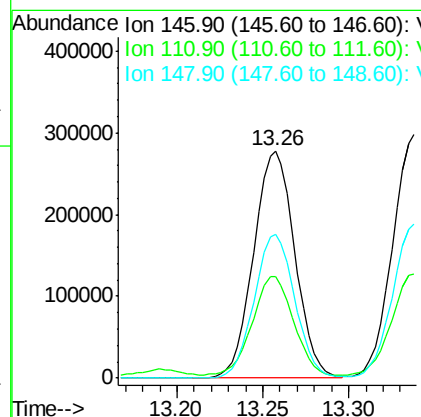
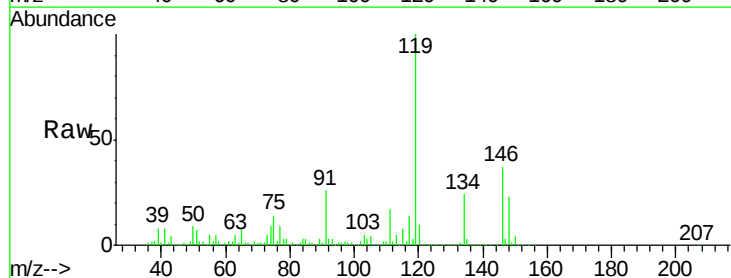
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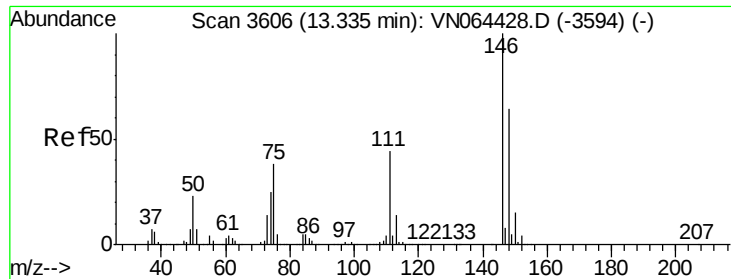
MMDadoda
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#87
1,3-Dichlorobenzene
Concen: 48.621 ug/l
RT: 13.26 min Scan# 3582
Delta R.T. 0.00 min
Lab File: VN064685.D
Acq: 17 Nov 2020 17:07

Tgt Ion:146 Resp: 461382
Ion Ratio Lower Upper
146 100
111 43.3 22.1 66.1
148 62.4 31.7 95.1





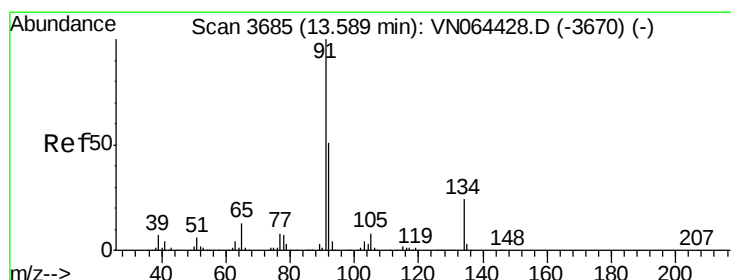
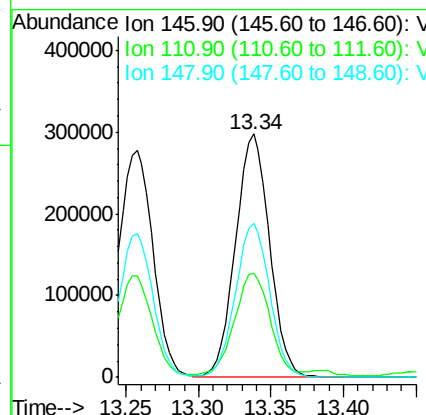
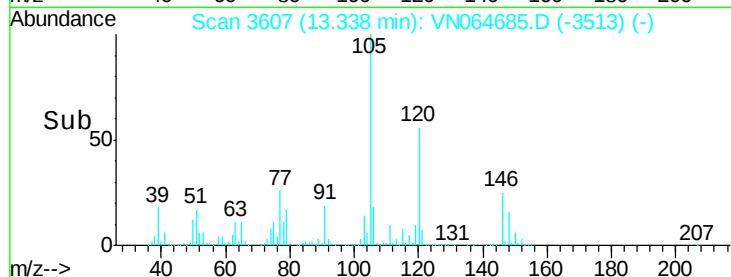
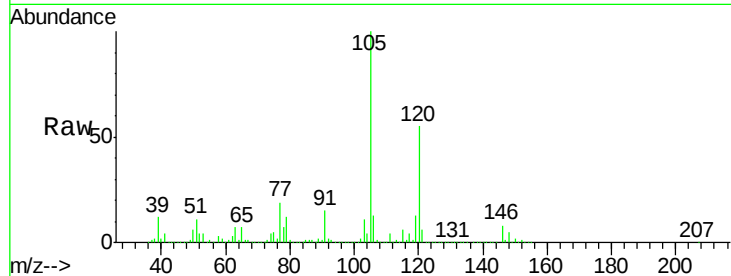
#88
 1,4-Dichlorobenzene
 Concen: 49.421 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064685.D
 Acq: 17 Nov 2020 17:07

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.8	65.3
148	63.7	32.4	97.2

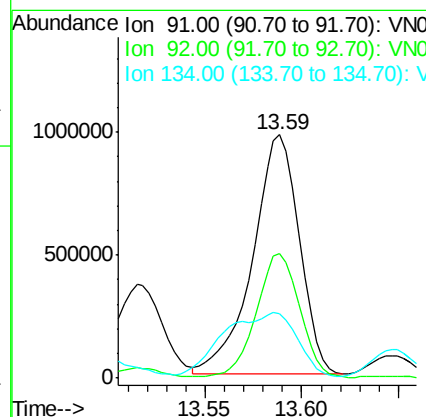
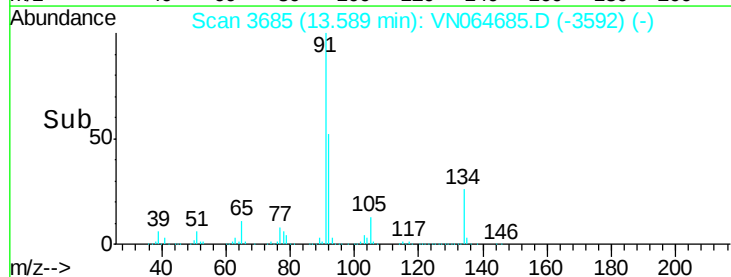
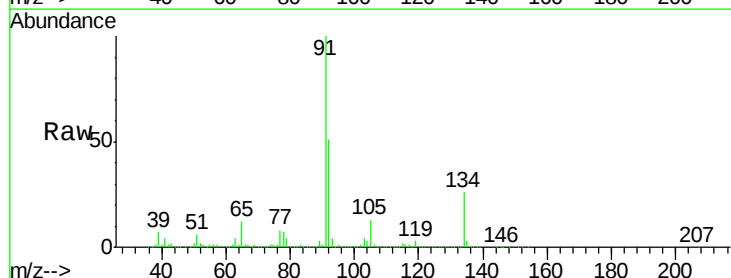
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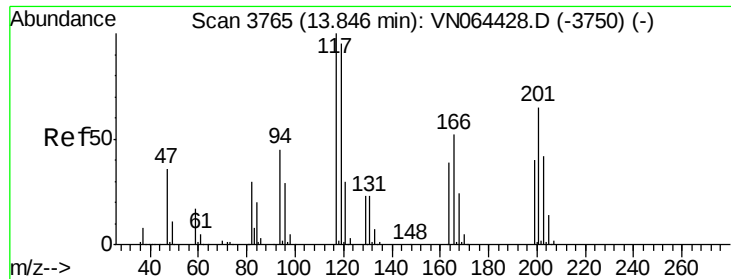
MMDadoda
 11/18/2020 5:15:53 PM



#89
 n-Butylbenzene
 Concen: 115.158 ug/l
 RT: 13.59 min Scan# 3685
 Delta R.T. 0.00 min
 Lab File: VN064685.D
 Acq: 17 Nov 2020 17:07

Tgt Ion	Ratio	Lower	Upper
91	100		
92	47.8	25.3	75.9
134	41.5	11.8	35.4





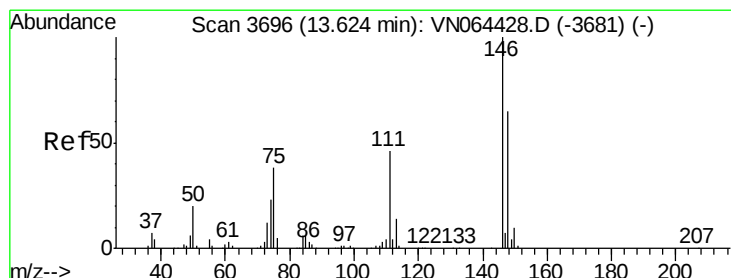
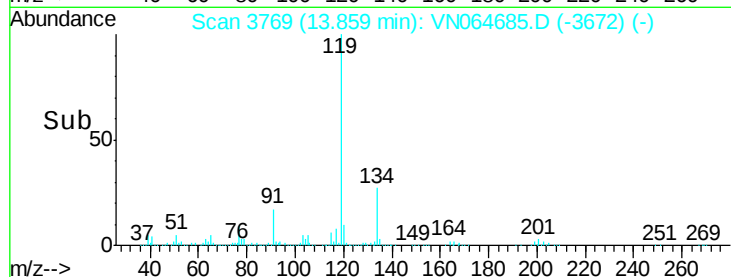
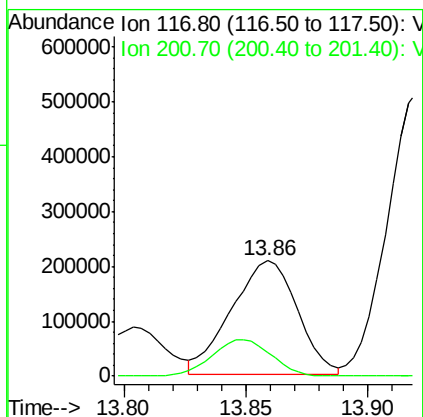
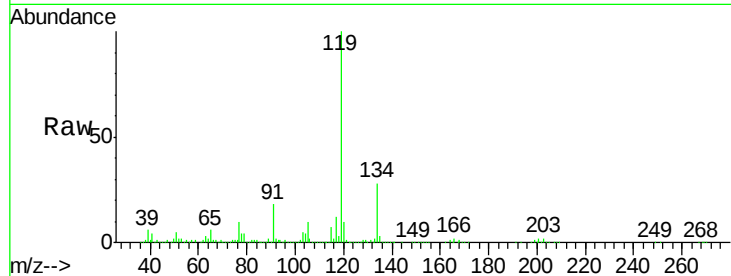
#90
Hexachloroethane
Concen: 121.567 ug/l
RT: 13.86 min Scan# 3769
Delta R.T. 0.01 min
Lab File: VN064685.D
Acq: 17 Nov 2020 17:07

Instrument :
MSVOA_N
ClientSampleId :
MW-4MSD

Tot Ion:117 Resp: 387021
Ion Ratio Lower Upper
117 100
201 29.5 32.5 97.5#

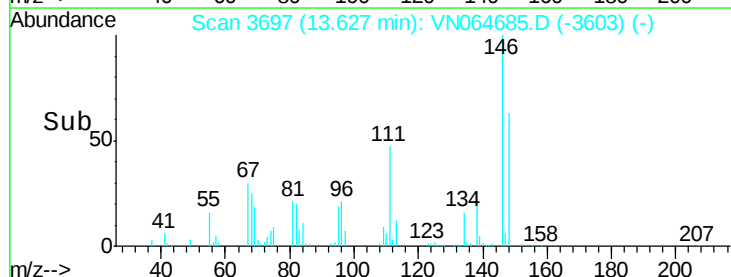
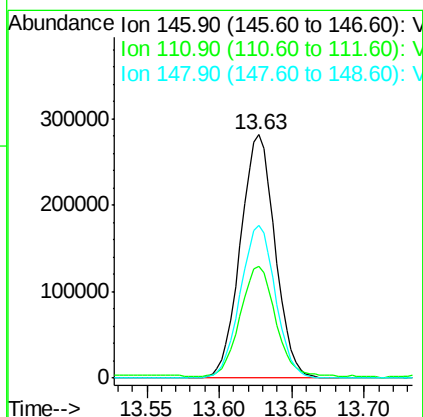
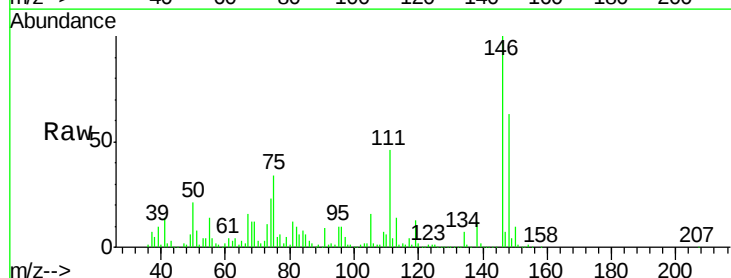
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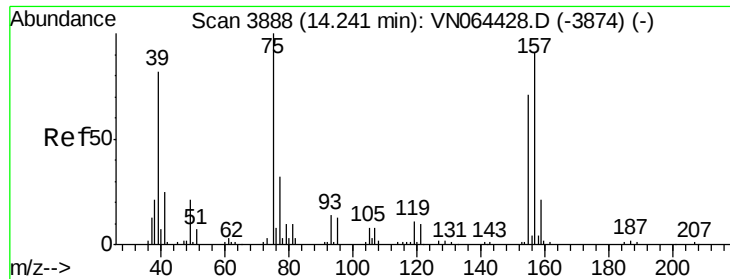
MMDadoda
11/18/2020 5:15:53 PM



#91
1,2-Dichlorobenzene
Concen: 51.256 ug/l
RT: 13.63 min Scan# 3697
Delta R.T. 0.00 min
Lab File: VN064685.D
Acq: 17 Nov 2020 17:07

Tgt Ion:146 Resp: 467863
Ion Ratio Lower Upper
146 100
111 45.6 22.9 68.7
148 63.7 32.0 96.2





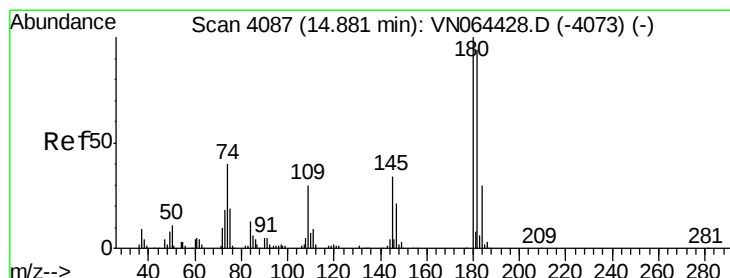
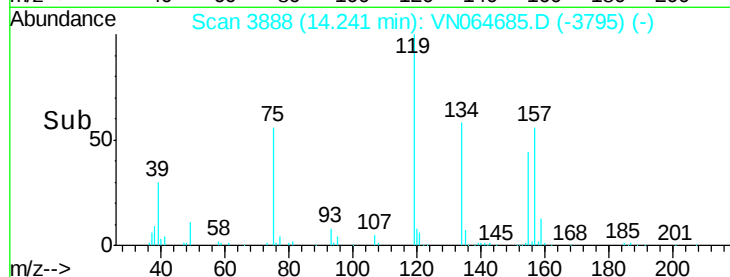
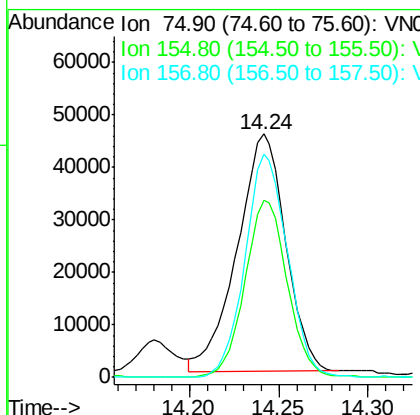
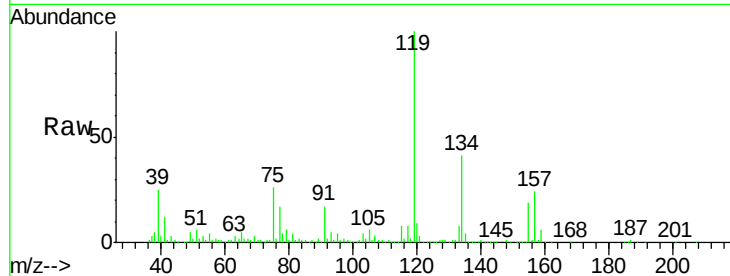
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 62.399 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN064685.D
 Acq: 17 Nov 2020 17:07

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4MSD

Tot Ion	Ratio	Lower	Upper
75	100		
155	65.3	34.6	103.9
157	82.5	43.0	128.8

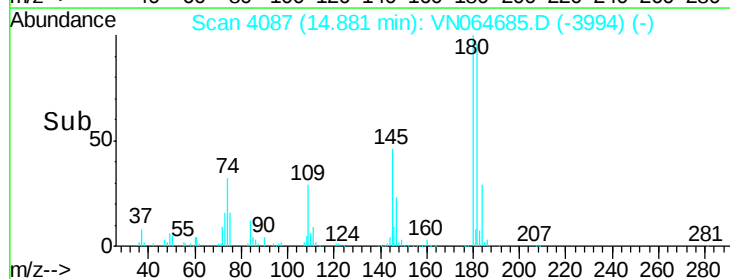
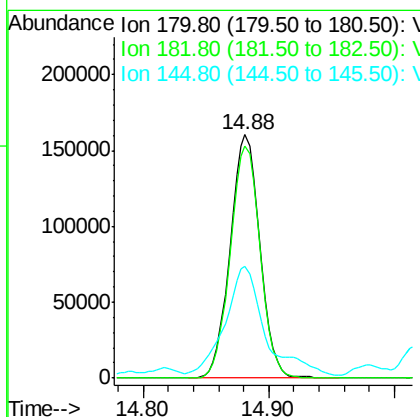
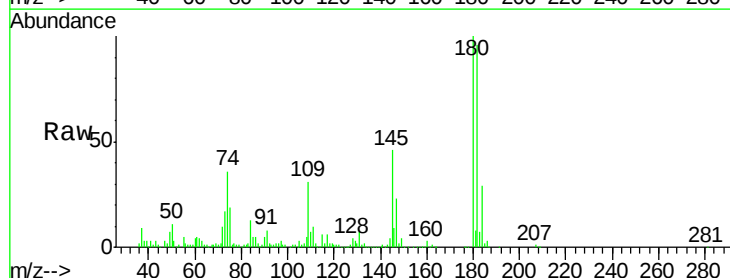
Manual Integrations
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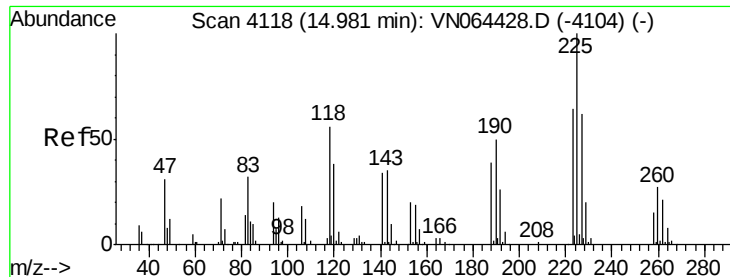
MMDadoda
 11/18/2020 5:15:53 PM



#93
 1,2,4-Trichlorobenzene
 Concen: 57.467 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN064685.D
 Acq: 17 Nov 2020 17:07

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.3	142.0
145	64.8	16.7	50.1#





#94

Hexachlorobutadiene

Concen: 61.631 ug/l

RT: 14.98 min Scan# 4118

Delta R.T. 0.00 min

Lab File: VN064685.D

Acq: 17 Nov 2020 17:07

Instrument :

MSVOA_N

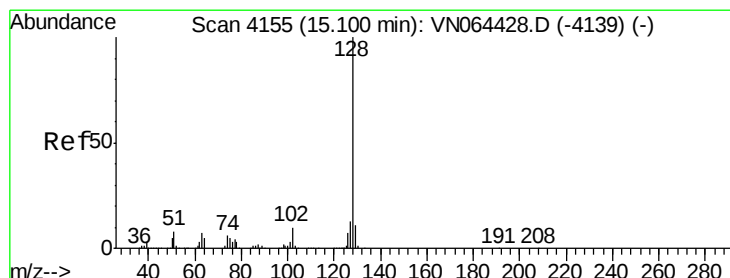
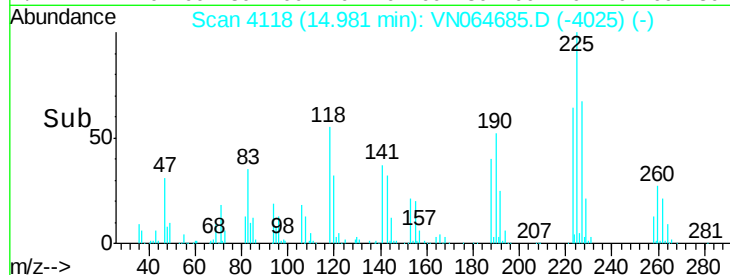
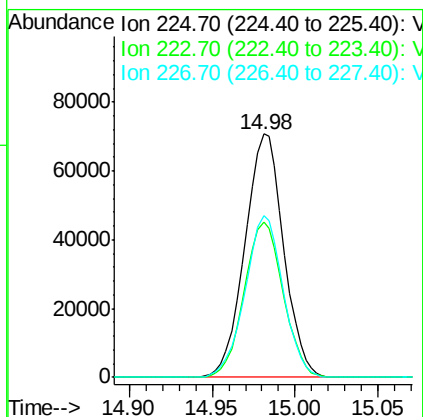
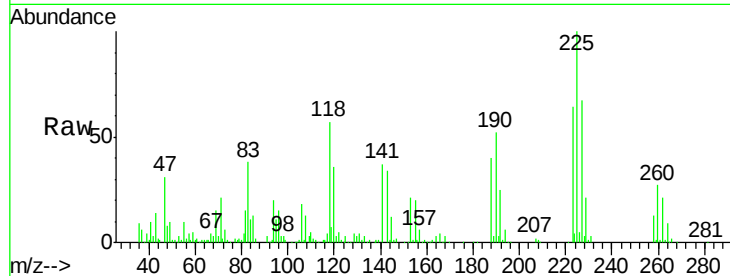
ClientSampleId :

MW-4MSD

Tot Ion:	225	Resp:	114538
Ion Ratio		Lower	Upper
225	100		
223	64.1	31.8	95.4
227	65.3	31.8	95.4

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#95

Naphthalene

Concen: 141.043 ug/l

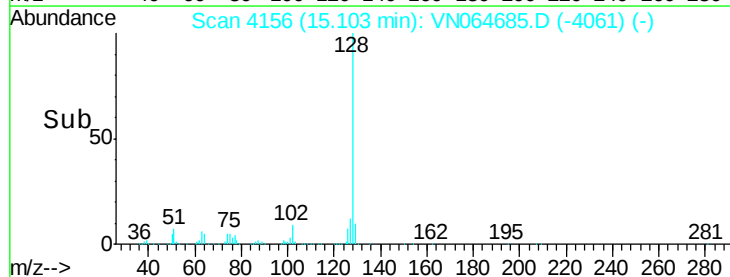
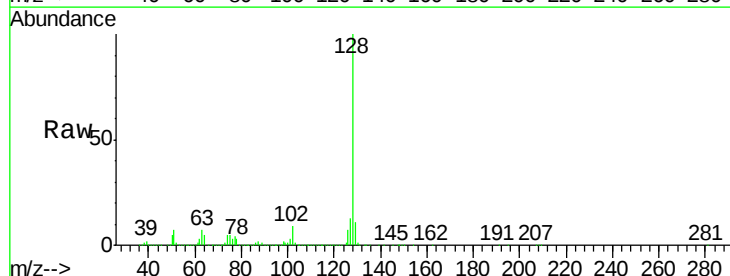
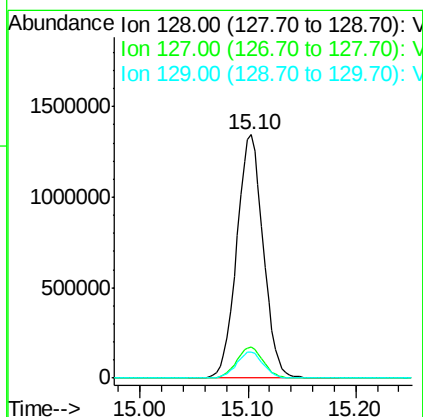
RT: 15.10 min Scan# 4156

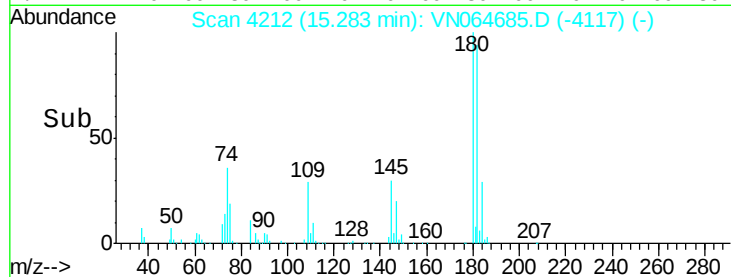
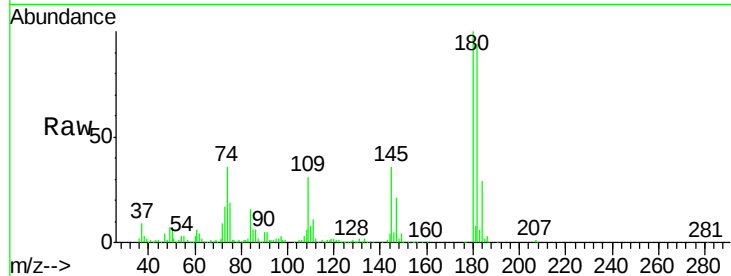
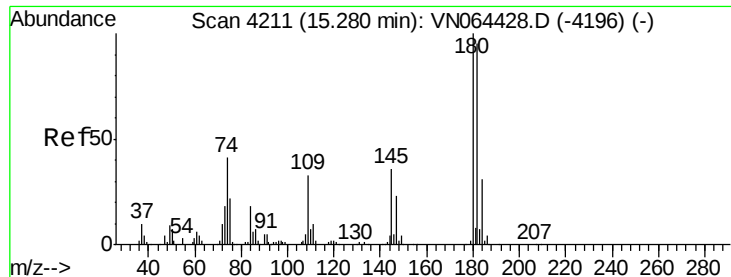
Delta R.T. 0.00 min

Lab File: VN064685.D

Acq: 17 Nov 2020 17:07

Tgt Ion:	128	Resp:	2298696
Ion Ratio		Lower	Upper
128	100		
127	13.0	10.5	15.7
129	10.6	8.8	13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 58.410 ug/l
 RT: 15.28 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN064685.D
 Acq: 17 Nov 2020 17:07

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4MSD

Tot Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	95.4	47.7	143.1
145	39.4	18.3	54.8

Manual Integrations
 APPROVED

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 11/18/2020 5:15:53 PM

