

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102020\
 Data File : VN064208.D
 Acq On : 20 Oct 2020 20:15
 Operator : JC/MD
 Sample : VN1020WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1020WBSD02

Manual Integrations
 APPROVED

MMDadoda
 10/23/2020 2:29:02 PM

Quant Time: Oct 21 05:36:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N102020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 20 11:51:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	48620	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	271651	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	248592	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	131369	33.00	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	110.00%
60) 4-Bromofluorobenzene	12.38	95	132443	29.73	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.10%
63) Toluene-d8	10.06	98	334303	29.70	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	66176	19.838 ug/l	92
3) Chloromethane	2.04	50	63375	18.540 ug/l	96
4) Vinyl Chloride	2.17	62	62897	18.702 ug/l	92
5) Bromomethane	2.54	94	38579	19.174 ug/l	95
6) Chloroethane	2.67	64	35605	18.177 ug/l	100
7) Trichlorofluoromethane	2.99	101	101254	18.755 ug/l	96
8) Diethyl Ether	3.38	74	32754m	17.869 ug/l	
9) 1,1,2-Trichlorotrifluoroet	3.73	101	50416	17.694 ug/l	98
10) 1,1-Dichloroethene	3.70	96	49460	17.828 ug/l	98
11) Methyl Iodide	3.92	142	67305	16.831 ug/l	97
12) Methyl Acetate	4.28	43	53657	18.350 ug/l #	91
13) Acrolein	3.57	56	31949	99.926 ug/l #	1
14) Acrylonitrile	4.94	53	107682	91.384 ug/l	60
15) Acetone	3.78	58	29885	93.934 ug/l	92
16) Carbon Disulfide	4.01	76	138225	17.422 ug/l	99
17) Allyl chloride	4.28	41	87904	17.040 ug/l	95
18) Methylene Chloride	4.51	84	57842	18.229 ug/l	96
19) trans-1,2-Dichloroethene	4.99	96	51231	17.118 ug/l	96
20) Diisopropyl ether	5.90	45	172802	18.126 ug/l	97
21) 1,1-Dichloroethane	5.80	63	104360	17.931 ug/l	98
22) cis-1,2-Dichloroethene	6.78	96	62254	17.794 ug/l #	52
23) tert-Butyl Alcohol	4.74	59	50003	91.748 ug/l #	100
24) Methyl tert-Butyl Ether	4.99	73	166535	18.166 ug/l	97
25) Chloroform	7.33	83	108125	17.880 ug/l	95
26) Cyclohexane	7.61	56	79241	17.172 ug/l #	87
29) 1,1-Dichloropropene	7.75	75	78167	17.326 ug/l	99
30) 2-Butanone	6.78	43	171489	92.180 ug/l	98
31) 2,2-Dichloropropane	6.78	77	89405	15.610 ug/l	100
32) 1,1,1-Trichloroethane	7.53	97	107040	18.622 ug/l	99
33) Carbon Tetrachloride	7.73	117	93988	17.935 ug/l	97
34) Benzene	8.00	78	225620	17.959 ug/l	98
35) Methacrylonitrile	7.12	41	32643	15.996 ug/l	93
36) 1,2-Dichloroethane	8.09	62	95586	18.812 ug/l	99
37) Trichloroethene	8.80	130	61153	17.680 ug/l	93
38) Methylcyclohexane	9.05	83	74823	17.341 ug/l	100
39) 1,2-Dichloropropane	9.08	63	60520	18.052 ug/l	99
40) Dibromomethane	9.18	93	43425	18.616 ug/l	96

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 20 11:51:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	92264	18.276	ug/l	99
42) Vinyl Acetate	5.85	43	806522	91.318	ug/l	99
43) Ethyl Acetate	6.88	43	71818	17.676	ug/l #	89
44) Isopropyl Acetate	8.13	43	143673m	18.419	ug/l	
45) 1,4-Dioxane	9.16	88	17675	387.423	ug/l	91
46) Methyl methacrylate	9.17	41	66791	18.045	ug/l	96
47) n-amyl Acetate	12.05	43	124483	17.989	ug/l	99
48) t-1,3-Dichloropropene	10.35	75	100719	17.690	ug/l	89
49) cis-1,3-Dichloropropene	9.81	75	101411	17.239	ug/l	97
50) 1,1,2-Trichloroethane	10.53	97	57092	18.269	ug/l	97
51) Ethyl methacrylate	10.40	69	88074	17.823	ug/l	97
52) 1,3-Dichloropropane	10.68	76	95877	17.795	ug/l	100
53) Dibromochloromethane	10.87	129	69949	17.784	ug/l	97
54) 1,2-Dibromoethane	10.98	107	57886	17.426	ug/l	92
55) 2-Chloroethyl vinyl ether	9.66	63	227489	93.668	ug/l	98
56) Bromoform	12.10	173	48345	17.650	ug/l	98
58) 4-Methyl-2-Pentanone	9.95	43	382358	90.767	ug/l	98
59) 2-Hexanone	10.72	43	278144	88.939	ug/l	99
61) Tetrachloroethene	10.60	164	56880	16.973	ug/l	98
62) Toluene	10.13	91	238985	16.816	ug/l	98
64) Chlorobenzene	11.41	112	151690	17.139	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.48	131	60613	17.480	ug/l	99
66) Ethyl Benzene	11.48	91	285133	17.451	ug/l	99
67) m/p-Xylenes	11.59	106	205037	33.742	ug/l	99
68) o-Xylene	11.92	106	101012	17.130	ug/l	99
69) Styrene	11.94	104	169193	16.960	ug/l	97
70) Isopropylbenzene	12.22	105	269696	17.318	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.48	83	73778	17.288	ug/l	97
72) 1,2,3-Trichloropropane	12.53	75	71699m	16.100	ug/l	
73) Bromobenzene	12.50	156	64461	17.165	ug/l	95
74) n-propylbenzene	12.57	91	301828	16.981	ug/l	100
75) 2-Chlorotoluene	12.65	91	190166	17.283	ug/l	97
76) 1,3,5-Trimethylbenzene	12.71	105	227325	17.154	ug/l	99
77) t-1,4-Dichloro-2-butene	12.28	75	28605	16.428	ug/l	99
78) 4-Chlorotoluene	12.75	91	193038	16.772	ug/l	99
79) tert-butylbenzene	12.97	119	190575	17.591	ug/l	97
80) 1,2,4-Trimethylbenzene	13.01	105	230856	17.161	ug/l	100
81) sec-Butylbenzene	13.14	105	237561	16.853	ug/l	100
82) p-Isopropyltoluene	13.26	119	214910	16.473	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	110835	16.465	ug/l	97
84) 1,4-Dichlorobenzene	13.34	146	110534	16.401	ug/l	97
85) n-Butylbenzene	13.59	91	186861	16.135	ug/l	99
86) Hexachloroethane	13.85	117	38346	17.073	ug/l	99
87) 1,2-Dichlorobenzene	13.63	146	109374	16.661	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.24	75	18678	17.280	ug/l	95
89) 1,2,4-Trichlorobenzene	14.88	180	61516	15.604	ug/l	95
90) Hexachlorobutadiene	14.98	225	31732	15.880	ug/l	97
91) Naphthalene	15.10	128	195595	16.368	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	61550	16.325	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

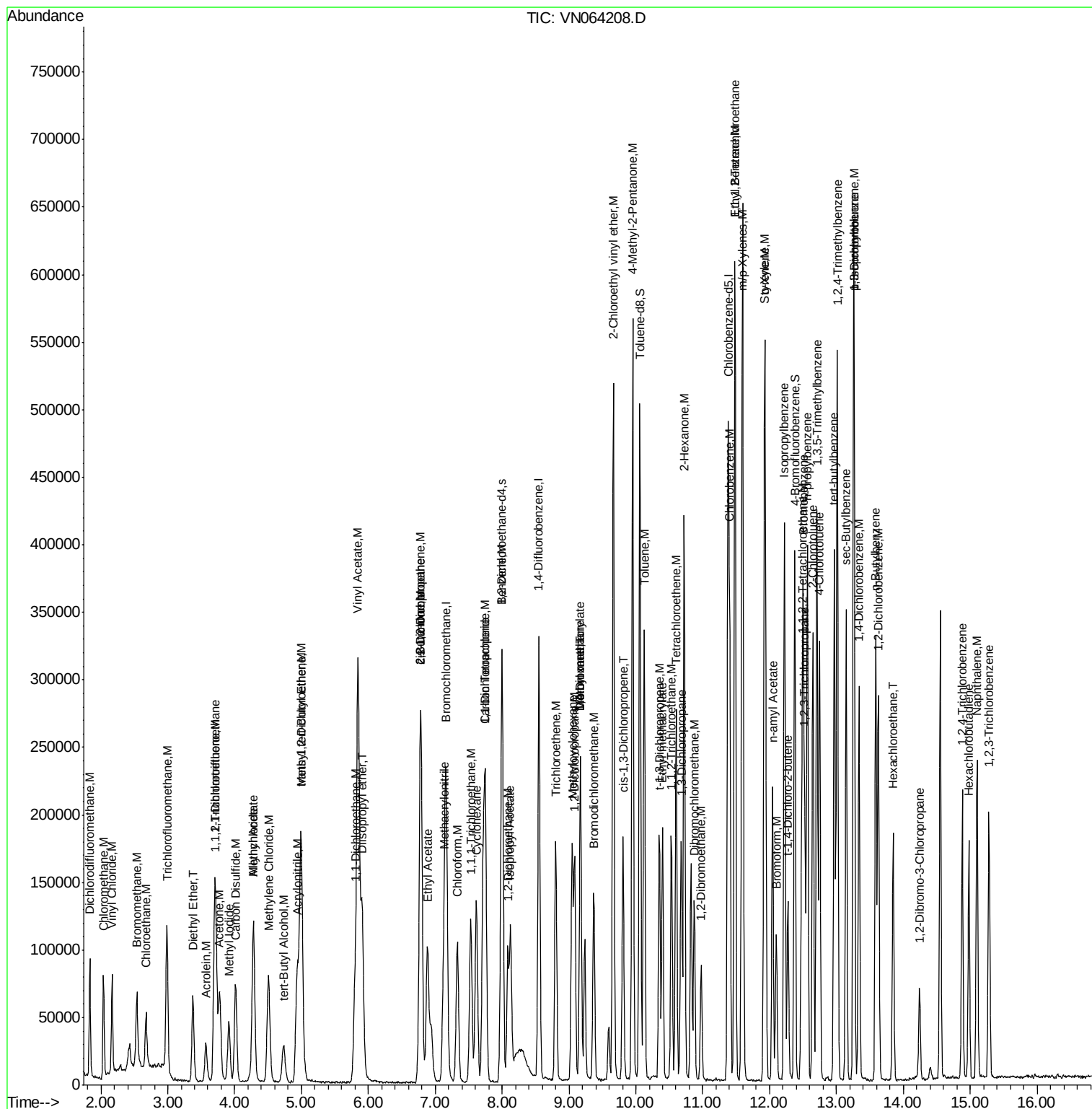
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102020\
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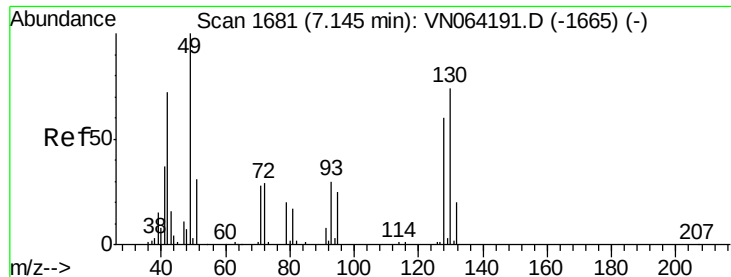
Instrument :
MSVOA_N
Client Sample ID :
VN1020WBS02

Manual Integrations
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1683

Delta R.T. 0.01 min

Lab File: VN064208.D

Acq: 20 Oct 2020 20:15

Instrument :

MSVOA_N

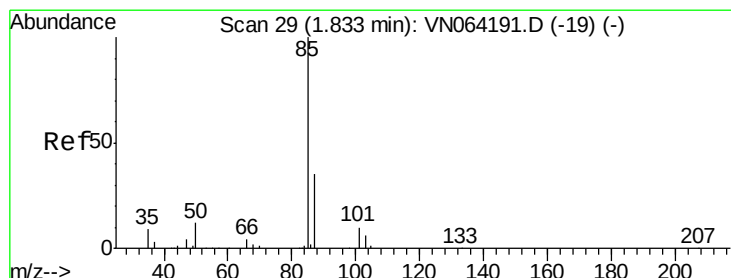
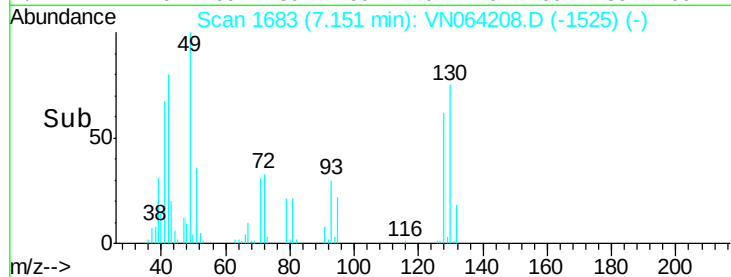
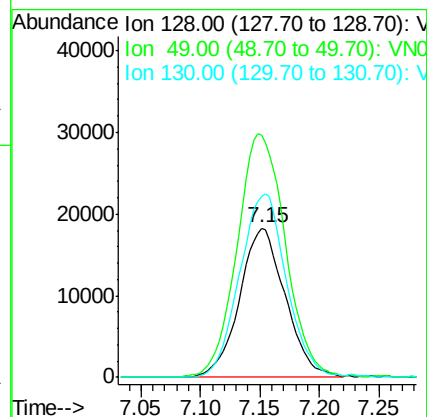
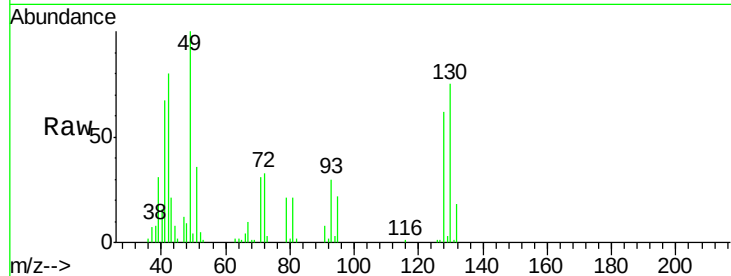
ClientSampleId :

VN1020WBSD02

Tot Ion:	128	Resp:	48620
Ion	Ratio	Lower	Upper
128	100		
49	172.2	0.0	433.3
130	126.1	0.0	322.5

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 19.838 ug/l

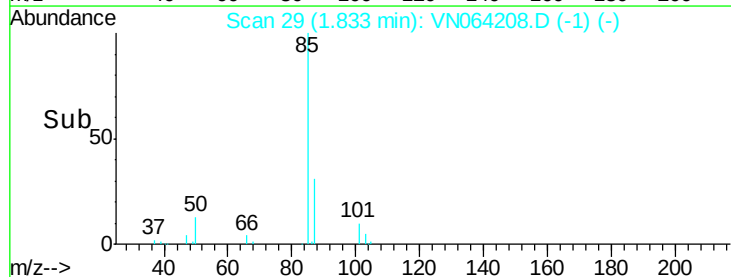
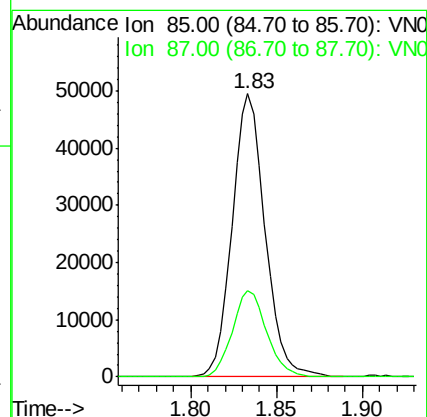
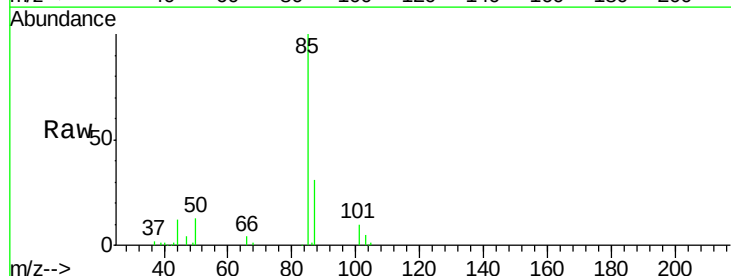
RT: 1.83 min Scan# 29

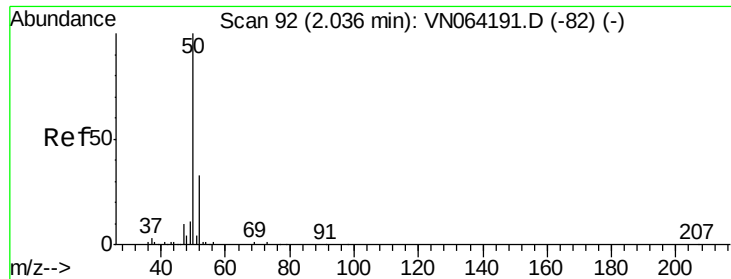
Delta R.T. 0.00 min

Lab File: VN064208.D

Acq: 20 Oct 2020 20:15

Tgt Ion:	85	Resp:	66176
Ion	Ratio	Lower	Upper
85	100		
87	30.6	17.8	53.3





#3

Chloromethane

Concen: 18.540 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064208.D

Acq: 20 Oct 2020 20:15

Instrument :

MSVOA_N

ClientSampleId :

VN1020WBSD02

Tot Ion: 50 Resp: 63375

Ion Ratio Lower Upper

50 100

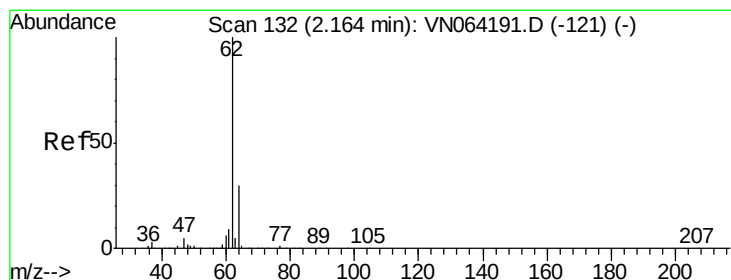
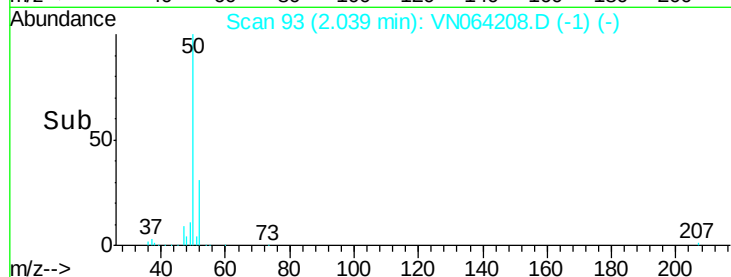
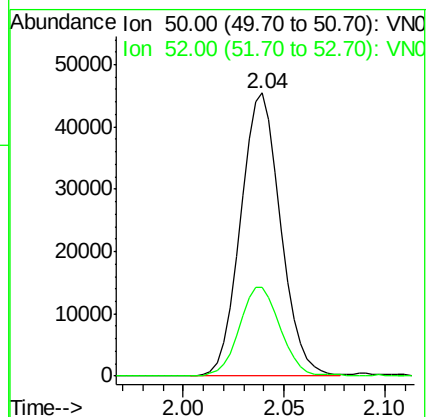
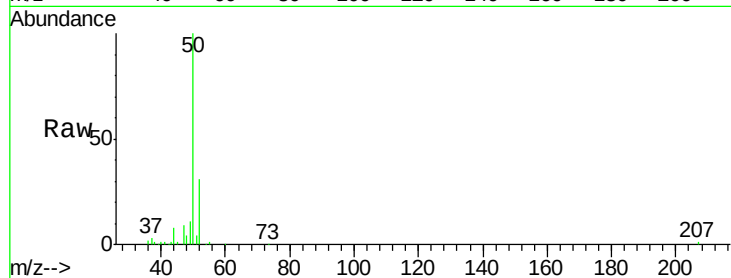
52 31.2 26.6 40.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.702 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN064208.D

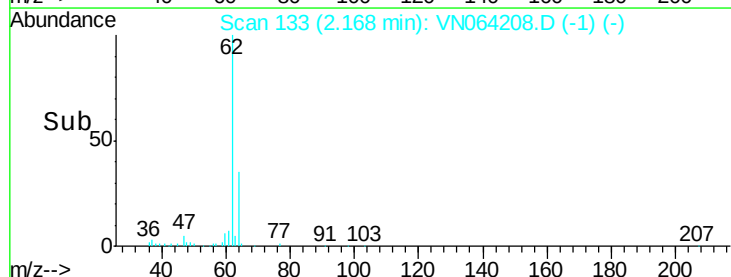
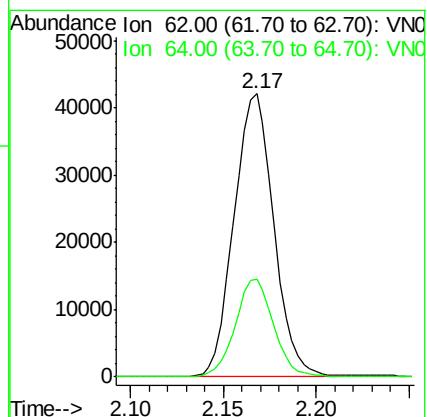
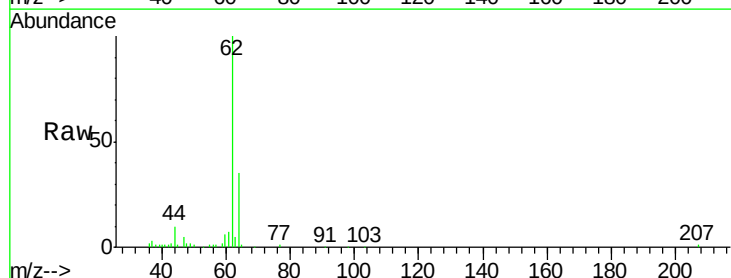
Acq: 20 Oct 2020 20:15

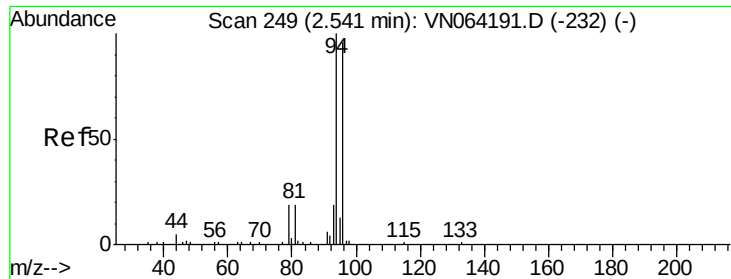
Tgt Ion: 62 Resp: 62897

Ion Ratio Lower Upper

62 100

64 34.6 24.4 36.6





#5

Bromomethane

Concen: 19.174 ug/l

RT: 2.54 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN064208.D

Acq: 20 Oct 2020 20:15

Instrument :

MSVOA_N

ClientSampleId :

VN1020WBSD02

Tot Ion: 94 Resp: 38579

Ion Ratio Lower Upper

94 100

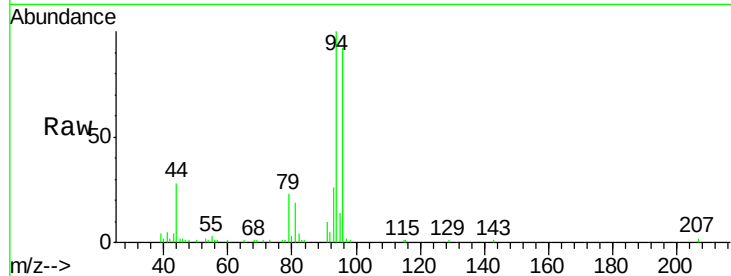
96 90.9 76.6 115.0

Manual Integrations

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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0

20000

15000

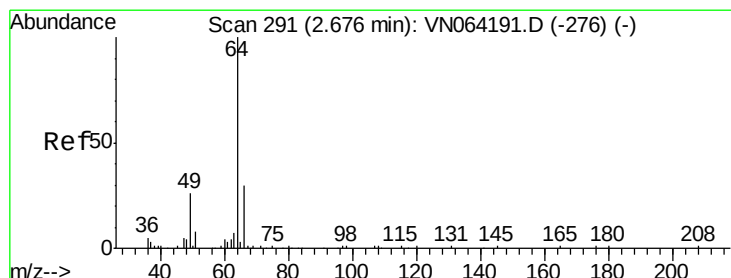
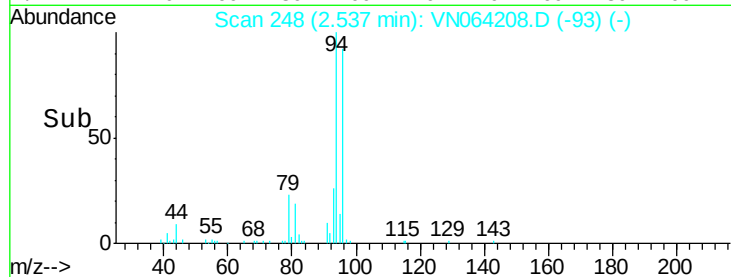
10000

5000

0

2.45 2.50 2.55 2.60

Time-->



#6

Chloroethane

Concen: 18.177 ug/l

RT: 2.67 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN064208.D

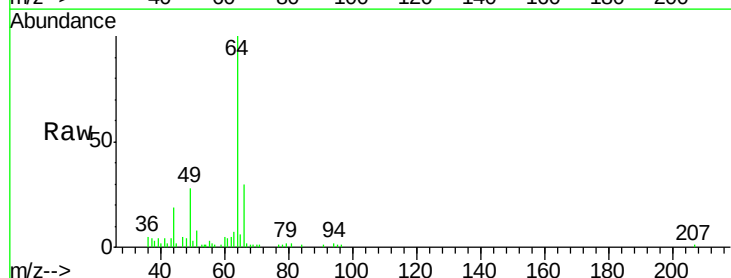
Acq: 20 Oct 2020 20:15

Tgt Ion: 64 Resp: 35605

Ion Ratio Lower Upper

64 100

66 30.4 24.3 36.5



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0

20000

15000

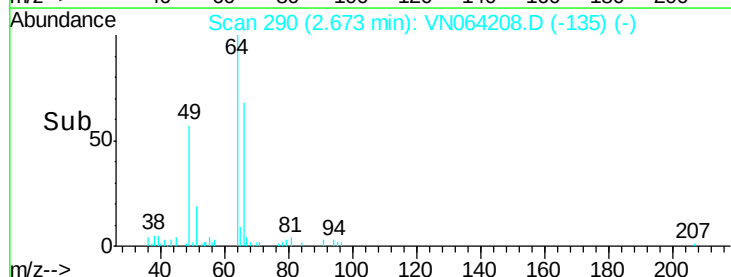
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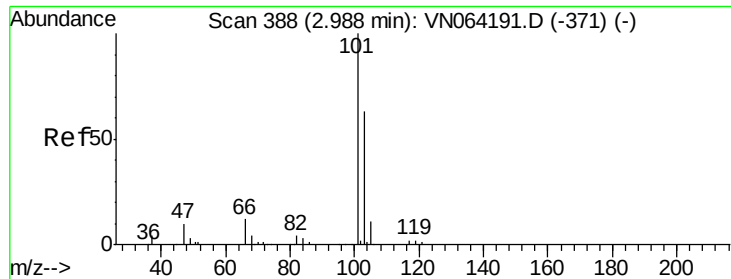
5000

0

2.60 2.65 2.70 2.75

Time-->





#7

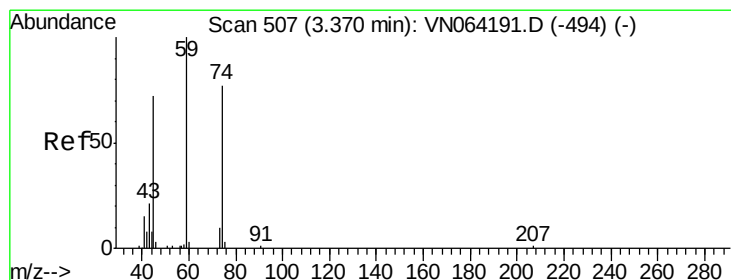
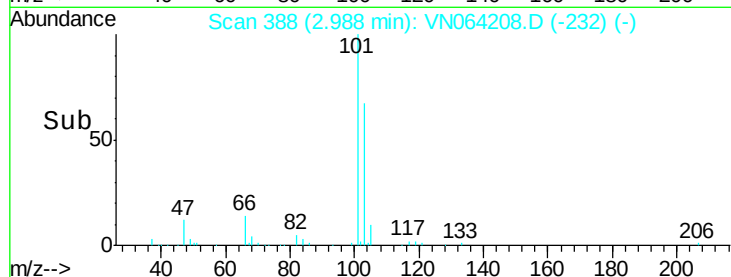
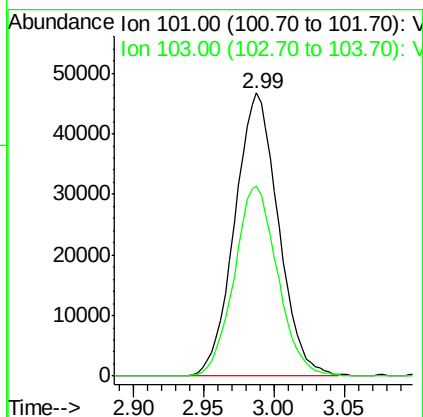
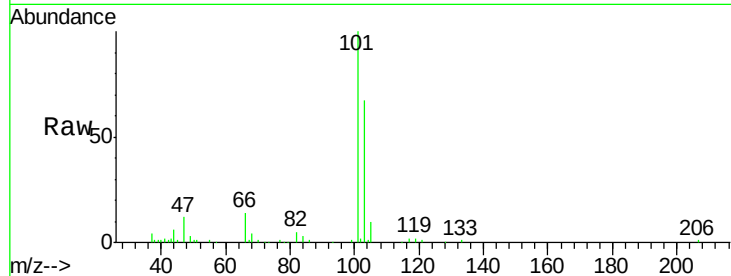
Trichlorofluoromethane
Concen: 18.755 ug/l
RT: 2.99 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN064208.D
Acq: 20 Oct 2020 20:15

Instrument :
MSVOA_N
ClientSampleId :
VN1020WBSD02

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.8	50.7	76.1

Manual Integrations
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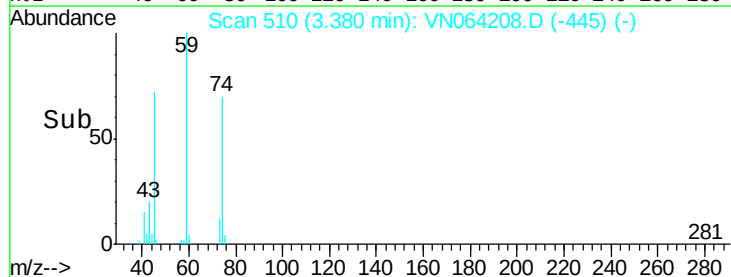
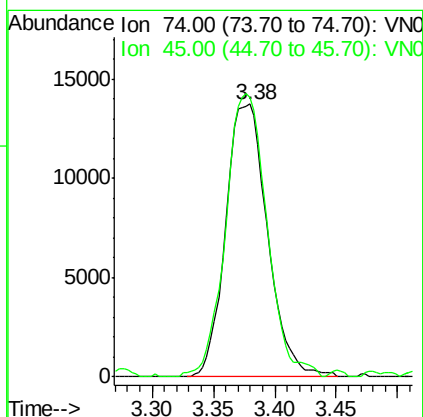
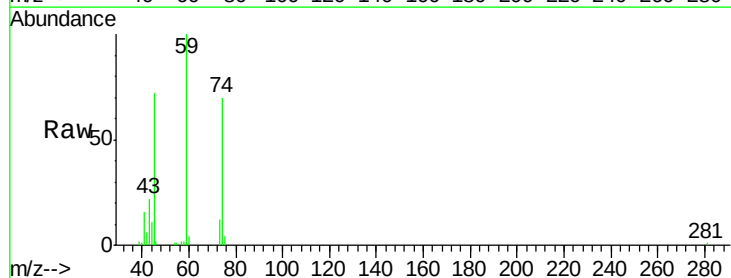
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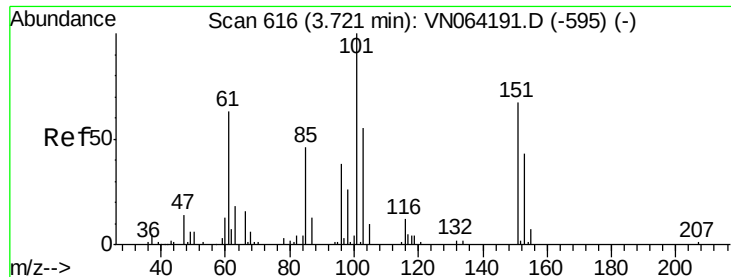


#8

Diethyl Ether
Concen: 17.869 ug/l m
RT: 3.38 min Scan# 510
Delta R.T. 0.01 min
Lab File: VN064208.D
Acq: 20 Oct 2020 20:15

Tgt Ion	Ratio	Lower	Upper
74	100		
45	0.8	19.5	175.3#





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.694 ug/l

RT: 3.73 min Scan# 618

Delta R.T. 0.01 min

Lab File: VN064208.D

Acq: 20 Oct 2020 20:15

Instrument :

MSVOA_N

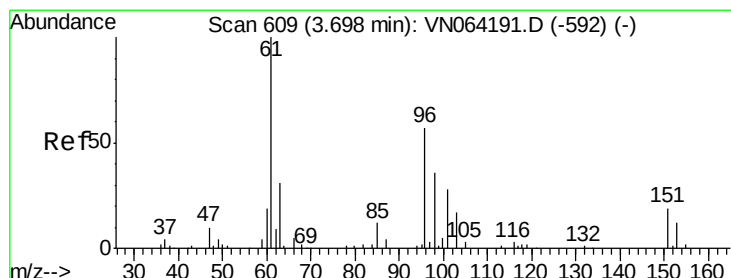
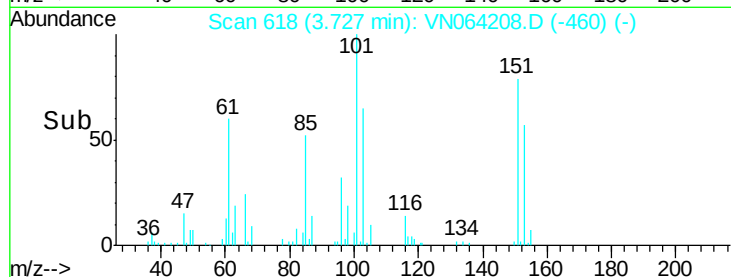
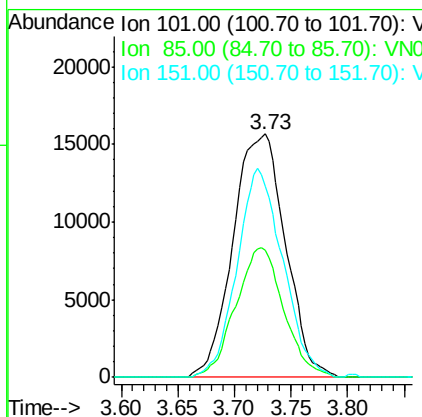
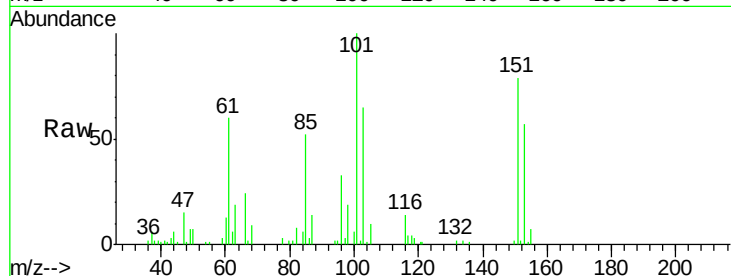
ClientSampleId :

VN1020WBSD02

Tot Ion:	101	Resp:	50416
Ion Ratio	Lower	Upper	
101	100		
85	48.8	0.0	94.0
151	75.2	0.0	146.6

Manual Integrations
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MMDadoda
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#10

1,1-Dichloroethene

Concen: 17.828 ug/l

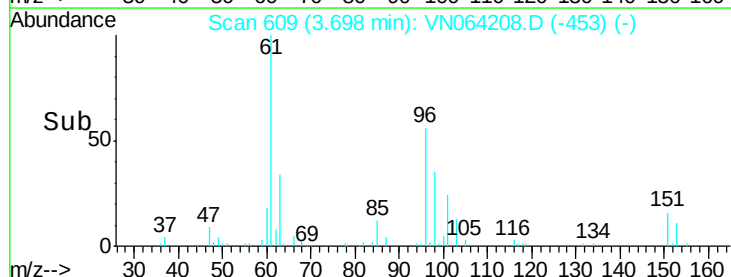
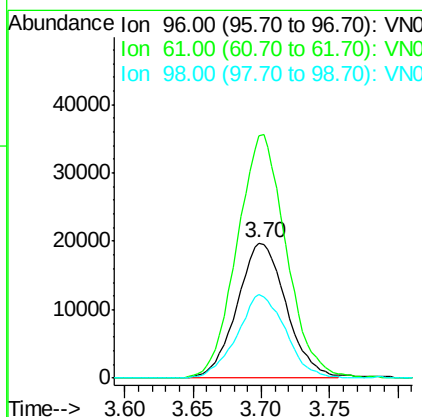
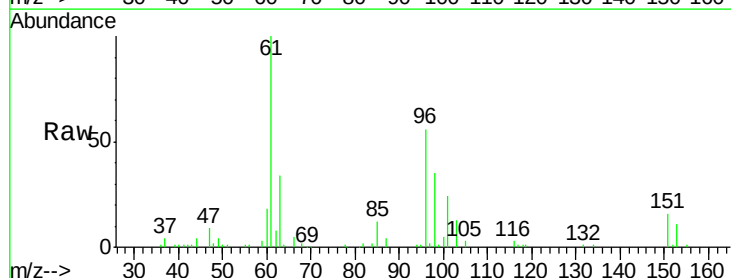
RT: 3.70 min Scan# 609

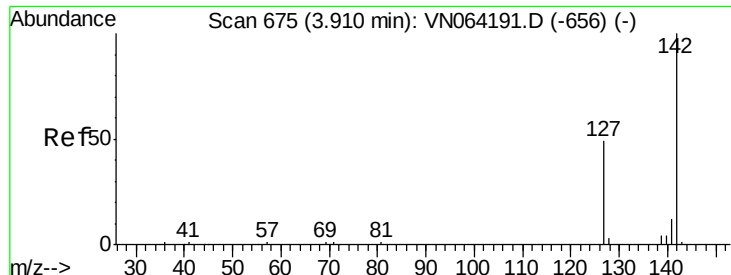
Delta R.T. 0.00 min

Lab File: VN064208.D

Acq: 20 Oct 2020 20:15

Tgt Ion:	96	Resp:	49460
Ion Ratio	Lower	Upper	
96	100		
61	179.1	141.0	211.4
98	62.2	51.4	77.2





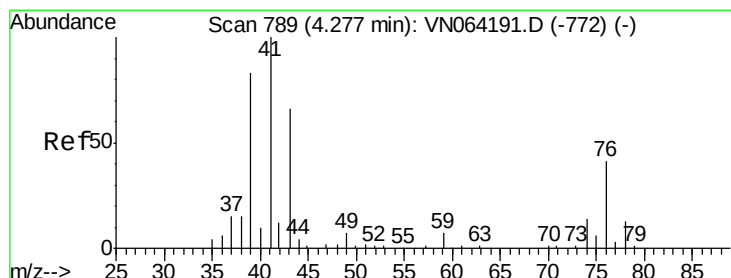
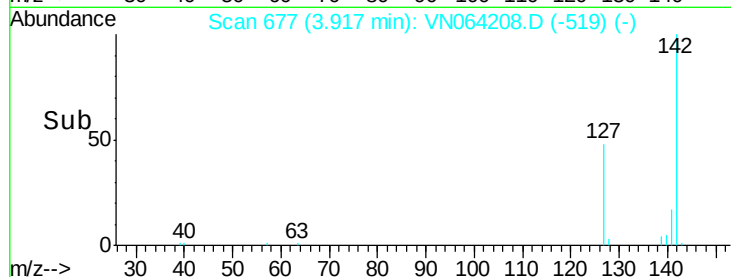
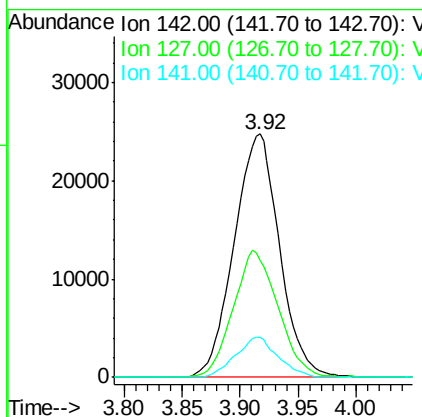
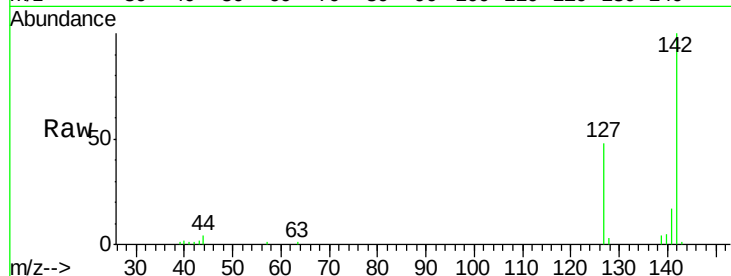
#11
Methvl Iodide
Concen: 16.831 ug/l
RT: 3.92 min Scan# 677
Delta R.T. 0.01 min
Lab File: VN064208.D
Acq: 20 Oct 2020 20:15

Instrument :
MSVOA_N
ClientSampleId :
VN1020WBSD02

Tot Ion	Ratio	Lower	Upper
142	100		
127	48.5	24.5	73.5
141	16.7	6.0	18.1

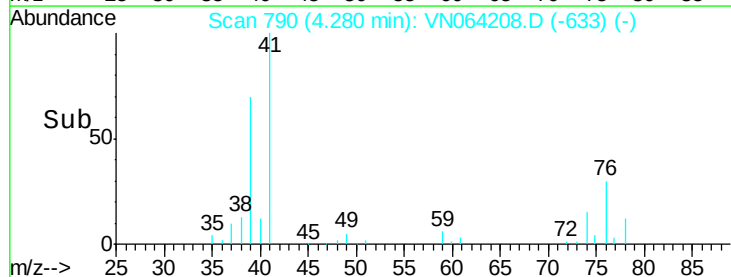
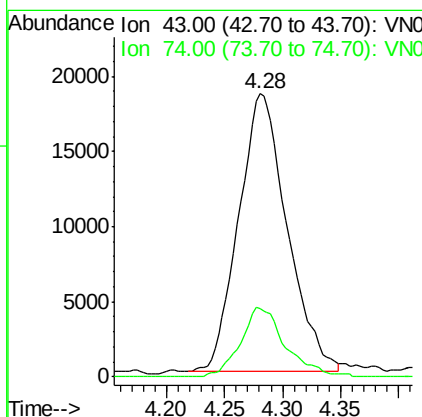
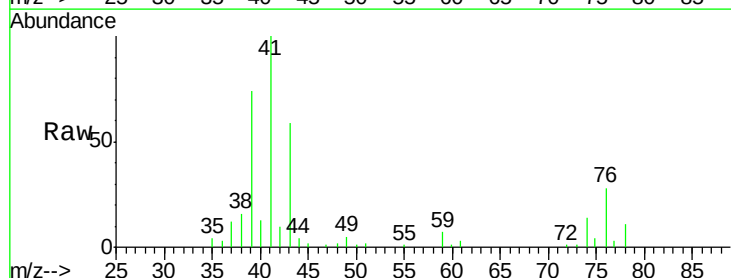
Manual Integrations
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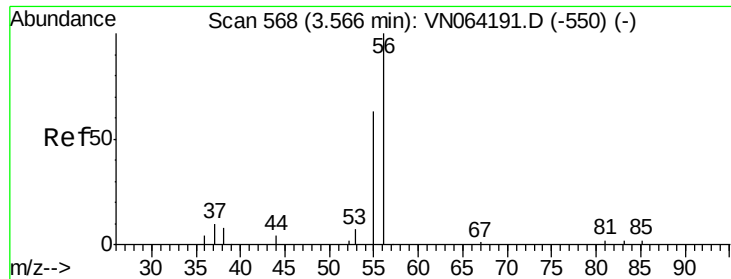
MMDadoda
10/23/2020 2:29:02 PM



#12
Methyl Acetate
Concen: 18.350 ug/l
RT: 4.28 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN064208.D
Acq: 20 Oct 2020 20:15

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.6	16.2	24.2#





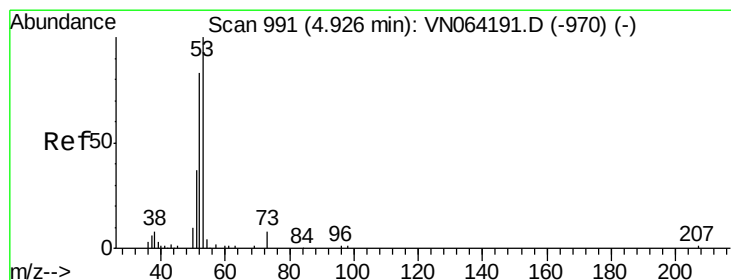
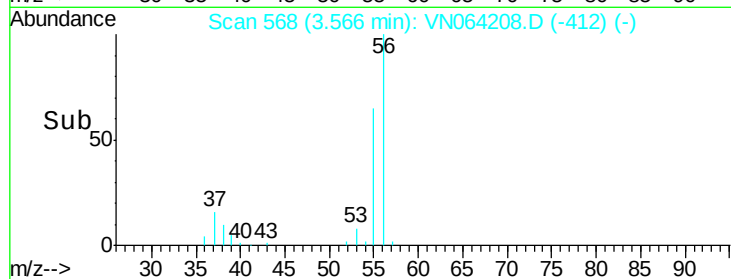
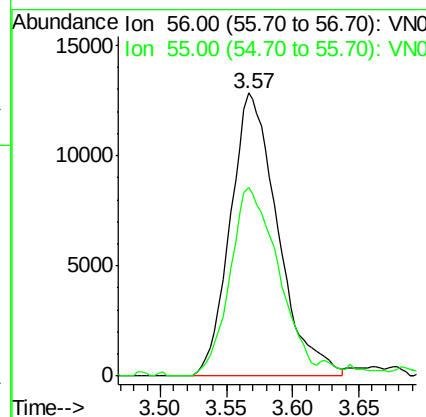
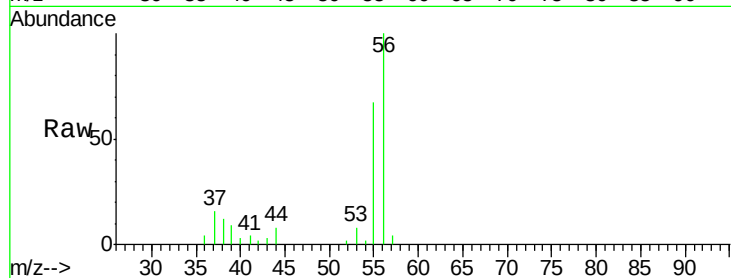
#13
 Acrolein
 Concen: 99.926 ug/l
 RT: 3.57 min Scan# 568
 Delta R.T. 0.00 min
 Lab File: VN064208.D
 Acq: 20 Oct 2020 20:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1020WBSD02

Tot Ion	56	55	Ratio	Lower	Upper
31949	100	68.0		0.5	0.7#

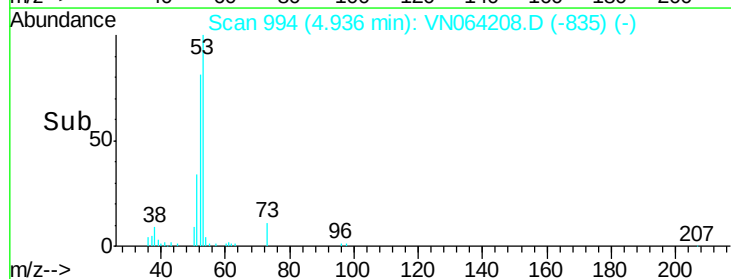
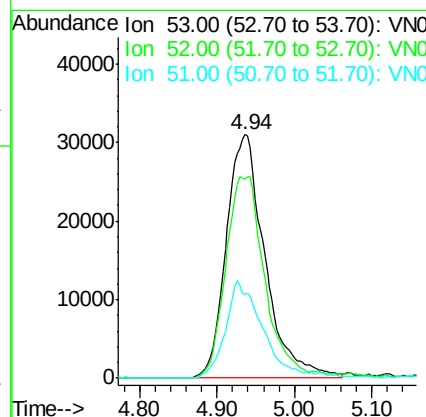
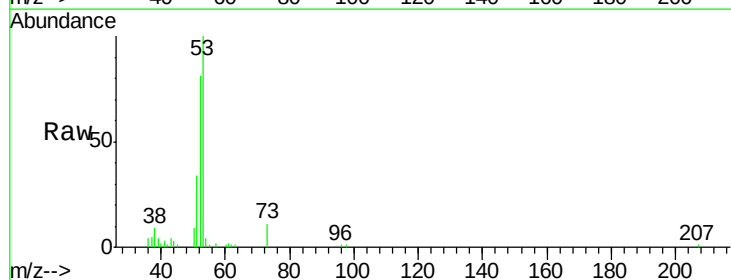
Manual Integrations
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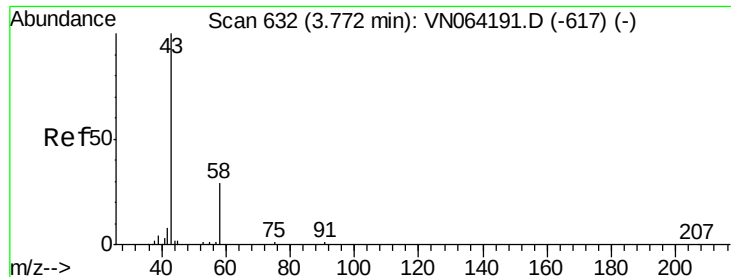
MMDadoda
 10/23/2020 2:29:02 PM



#14
 Acrylonitrile
 Concen: 91.384 ug/l
 RT: 4.94 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VN064208.D
 Acq: 20 Oct 2020 20:15

Tgt Ion	53	52	51	Ratio	Lower	Upper
107682	100	42.5	19.5		41.3	123.9
					18.1	54.1





#15

Acetone

Concen: 93.934 ug/l

RT: 3.78 min Scan# 633

Delta R.T. 0.00 min

Lab File: VN064208.D

Acq: 20 Oct 2020 20:15

Instrument :

MSVOA_N

ClientSampleId :

VN1020WBSD02

Tot Ion: 58 Resp: 29885

Ion Ratio Lower Upper

58 100

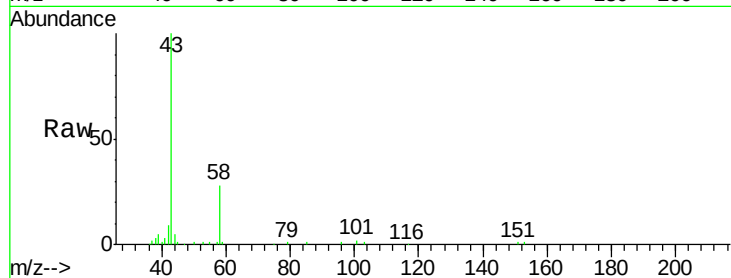
43 356.4 272.1 408.1

Manual Integrations

APPROVED

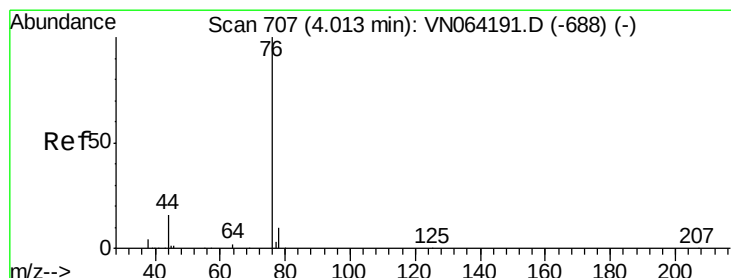
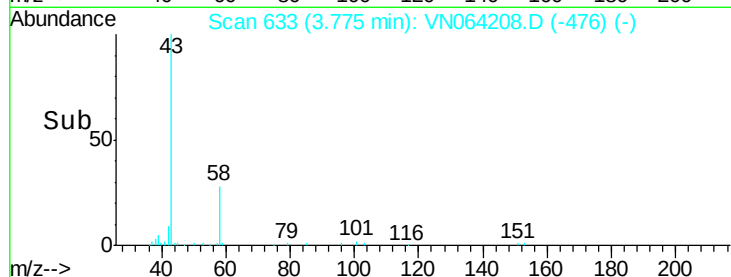
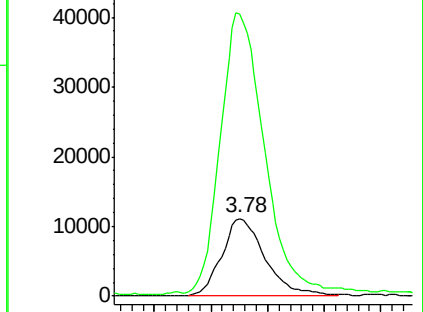
MMDadoda

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Abundance Ion 58.00 (57.70 to 58.70): VN064208.D (-551) (-)

Ion 43.00 (42.70 to 43.70): VN064208.D (-551) (-)



#16

Carbon Disulfide

Concen: 17.422 ug/l

RT: 4.01 min Scan# 707

Delta R.T. 0.00 min

Lab File: VN064208.D

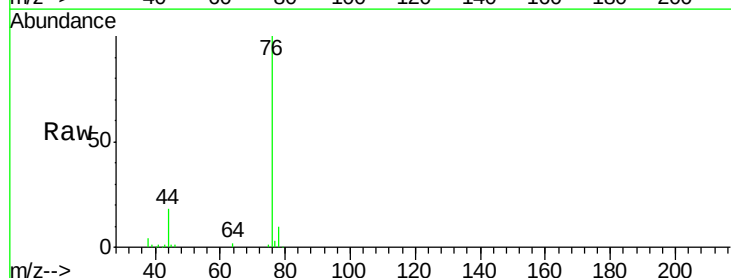
Acq: 20 Oct 2020 20:15

Tgt Ion: 76 Resp: 138225

Ion Ratio Lower Upper

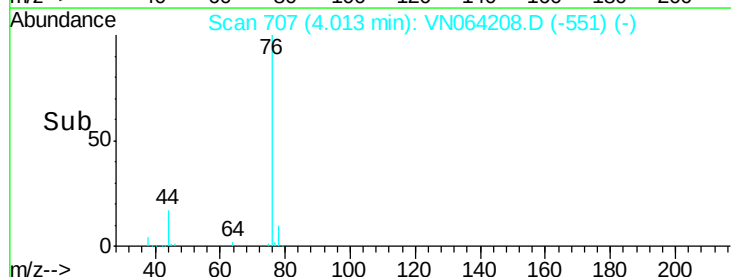
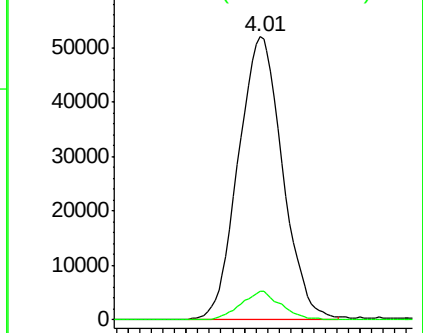
76 100

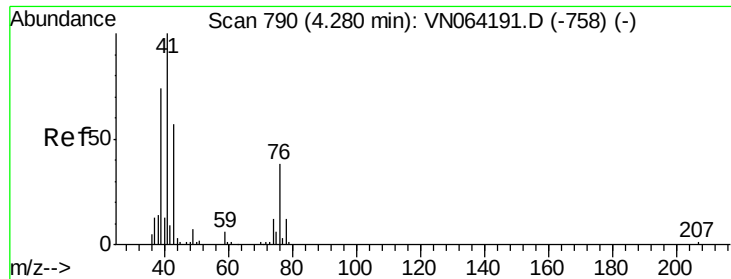
78 10.0 7.7 11.5



Abundance Ion 76.00 (75.70 to 76.70): VN064208.D (-551) (-)

Ion 78.00 (77.70 to 78.70): VN064208.D (-551) (-)





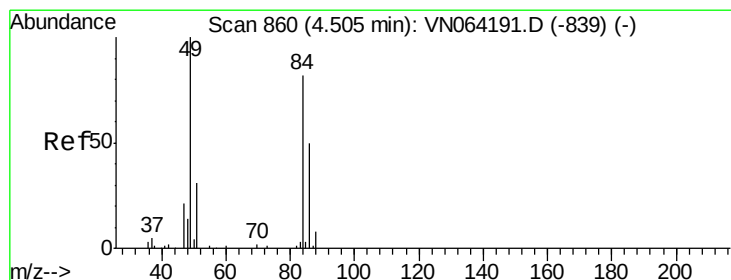
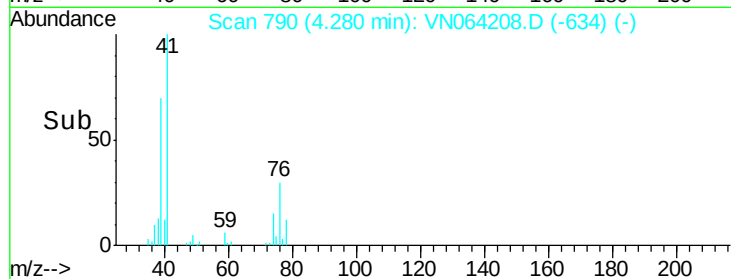
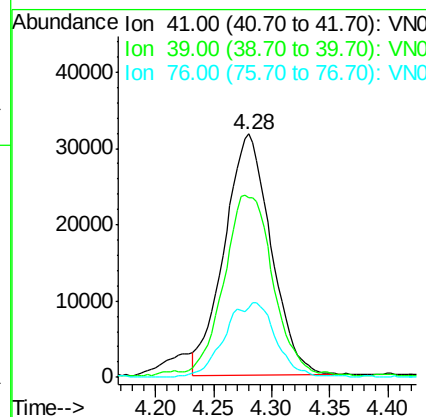
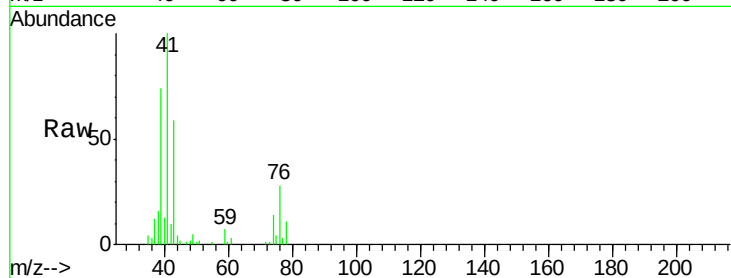
#17
Allvl chloride
Concen: 17.040 ug/l
RT: 4.28 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN064208.D
Acq: 20 Oct 2020 20:15

Instrument :
MSVOA_N
ClientSampleId :
VN1020WBSD02

Tot Ion	Ratio	Lower	Upper
41	100		
39	73.5	36.8	110.4
76	28.3	18.8	56.4

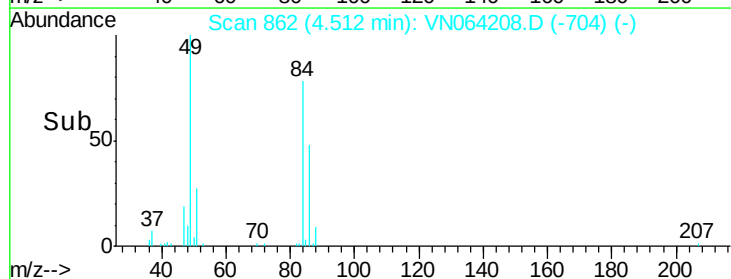
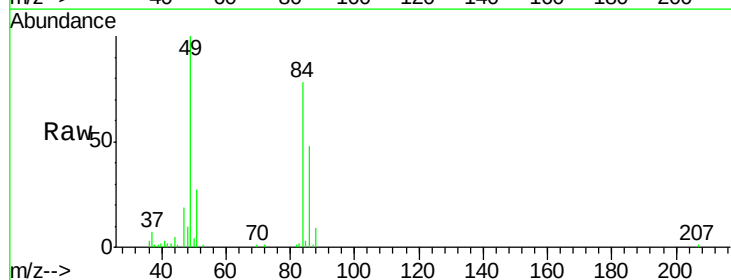
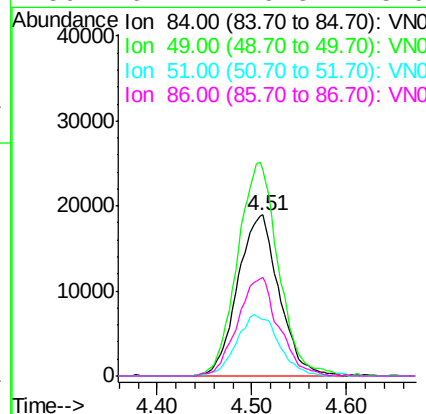
Manual Integrations
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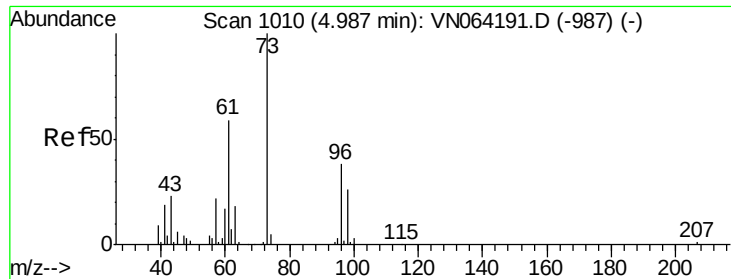
MMDadoda
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#18
Methylene Chloride
Concen: 18.229 ug/l
RT: 4.51 min Scan# 862
Delta R.T. 0.01 min
Lab File: VN064208.D
Acq: 20 Oct 2020 20:15

Tgt Ion	Ratio	Lower	Upper
84	100		
49	128.5	97.6	146.4
51	34.9	31.1	46.7
86	61.4	49.3	73.9





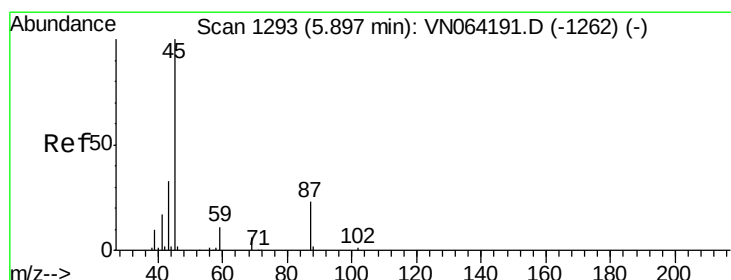
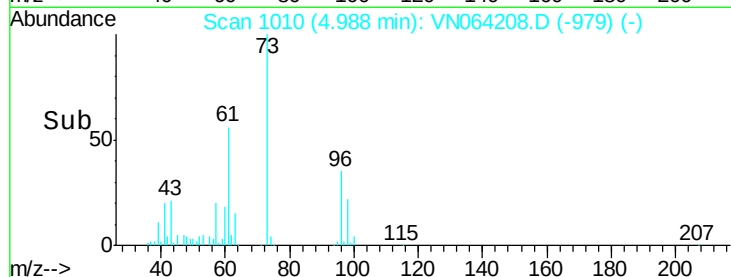
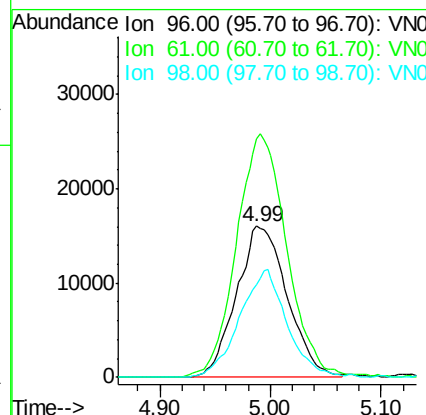
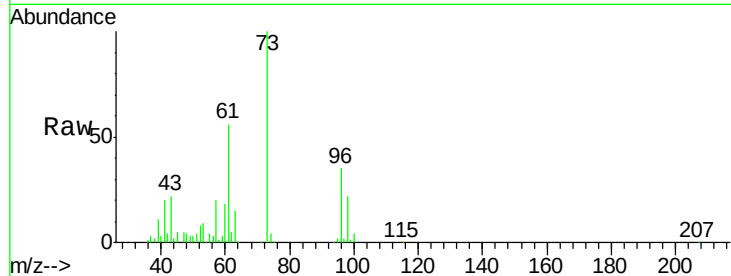
#19
trans-1,2-Dichloroethene
Concen: 17.118 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN064208.D
Acq: 20 Oct 2020 20:15

Instrument :
MSVOA_N
ClientSampleId :
VN1020WBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	154.6	125.5	188.3
98	59.9	54.7	82.1

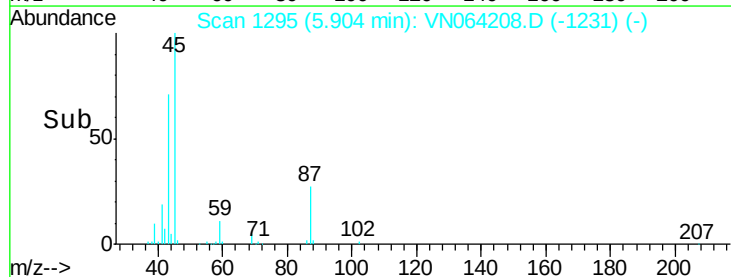
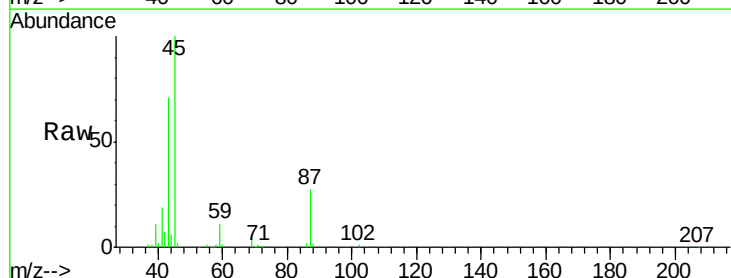
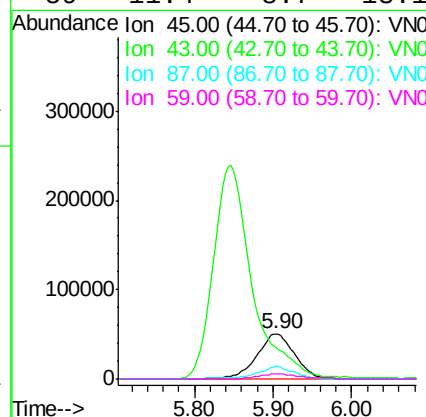
Manual Integrations
APPROVED

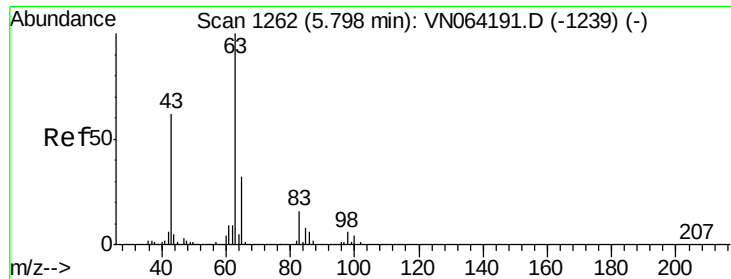
MMDadoda
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#20
Diisopropyl ether
Concen: 18.126 ug/l
RT: 5.90 min Scan# 1295
Delta R.T. 0.01 min
Lab File: VN064208.D
Acq: 20 Oct 2020 20:15

Tgt Ion	Ratio	Lower	Upper
45	100		
43	66.8	55.1	82.7
87	27.3	19.4	29.2
59	11.4	8.7	13.1





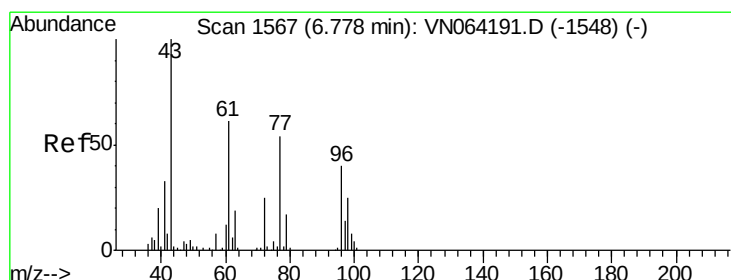
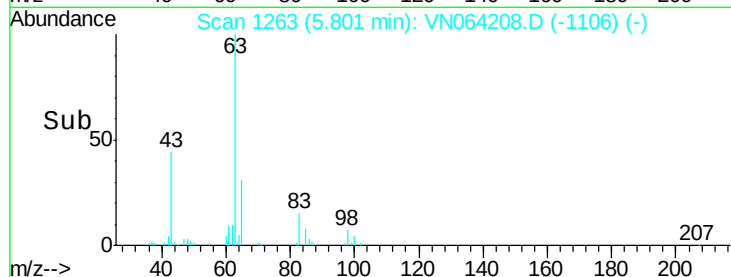
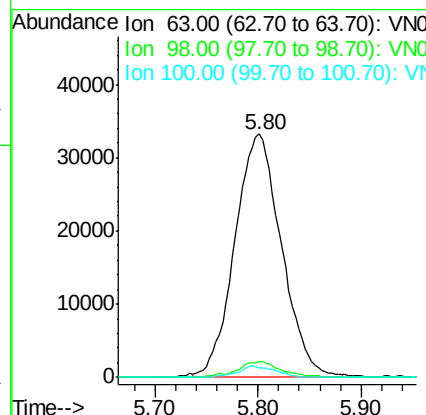
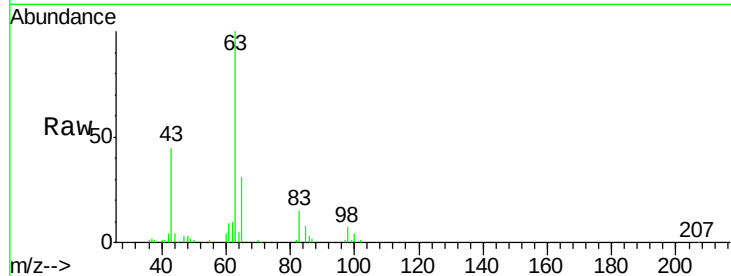
#21
 1,1-Dichloroethane
 Concen: 17.931 ug/l
 RT: 5.80 min Scan# 1263
 Delta R.T. 0.00 min
 Lab File: VN064208.D
 Acq: 20 Oct 2020 20:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1020WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
63	100			
98	6.6	2.9	8.7	
100	3.9	2.1	6.3	

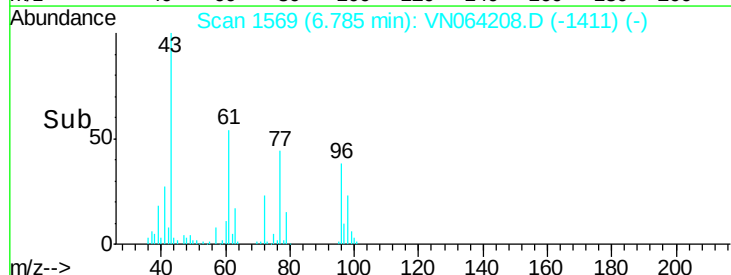
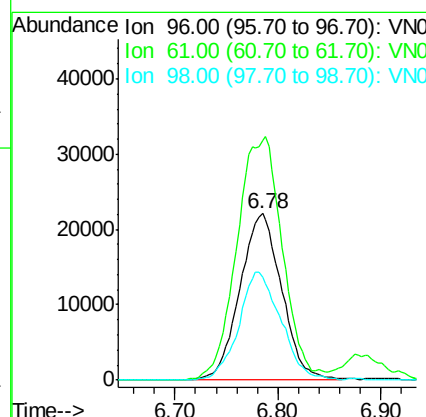
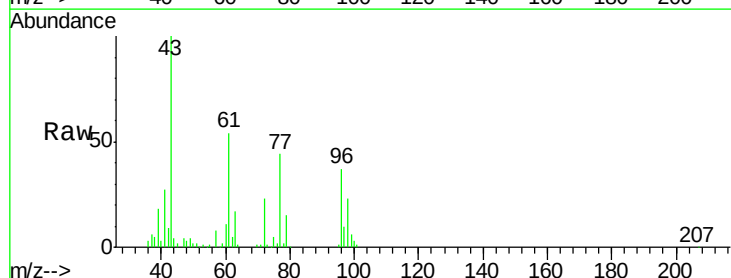
Manual Integrations
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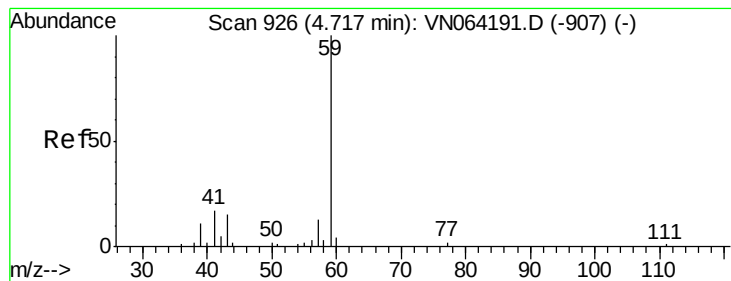
MMDadoda
 10/23/2020 2:29:02 PM



#22
 cis-1,2-Dichloroethene
 Concen: 17.794 ug/l
 RT: 6.78 min Scan# 1569
 Delta R.T. 0.01 min
 Lab File: VN064208.D
 Acq: 20 Oct 2020 20:15

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	71.5	126.2	189.4#	
98	65.3	50.2	75.4	





#23

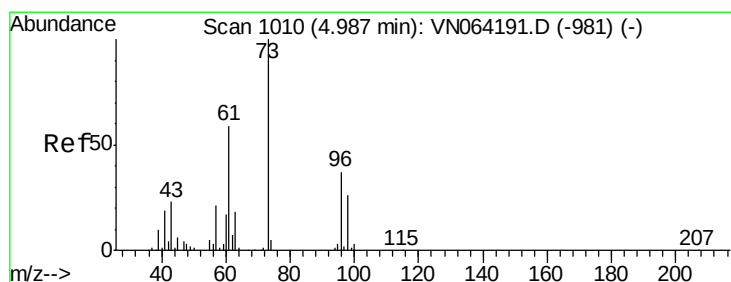
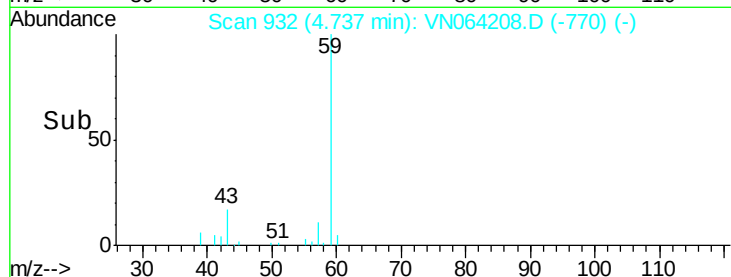
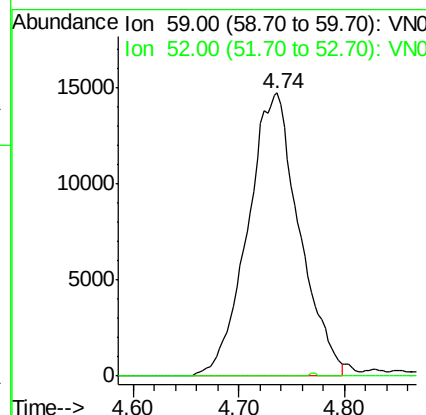
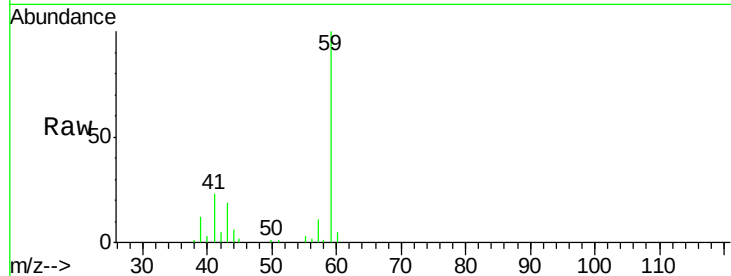
tert-Butyl Alcohol
 Concen: 91.748 ug/l
 RT: 4.74 min Scan# 932
 Delta R.T. 0.02 min
 Lab File: VN064208.D
 Acq: 20 Oct 2020 20:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1020WBSD02

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.1	0.0	0.0#

Manual Integrations
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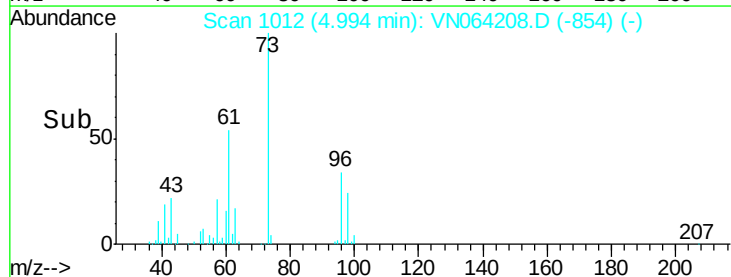
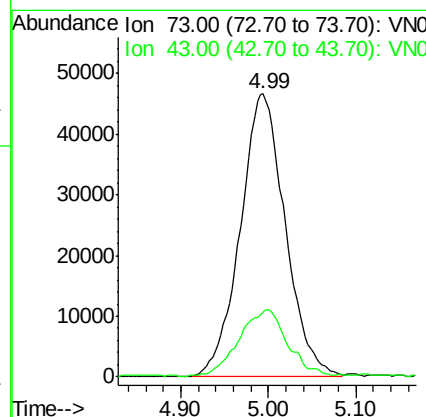
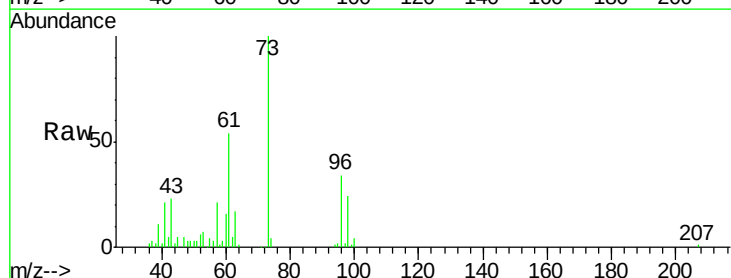
MMDadoda
 10/23/2020 2:29:02 PM

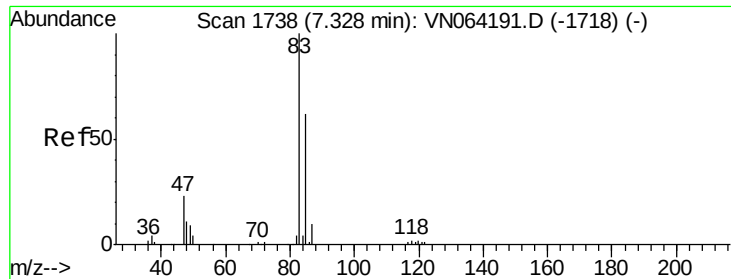


#24

Methyl tert-Butyl Ether
 Concen: 18.166 ug/l
 RT: 4.99 min Scan# 1012
 Delta R.T. 0.01 min
 Lab File: VN064208.D
 Acq: 20 Oct 2020 20:15

Tgt Ion	Ratio	Lower	Upper
73	100		
43	24.1	18.2	27.2





#25

Chloroform

Concen: 17.880 ug/l

RT: 7.33 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VN064208.D

Acq: 20 Oct 2020 20:15

Instrument :

MSVOA_N

ClientSampleId :

VN1020WBSD02

Tot Ion: 83 Resp: 108125

Ion Ratio Lower Upper

83 100

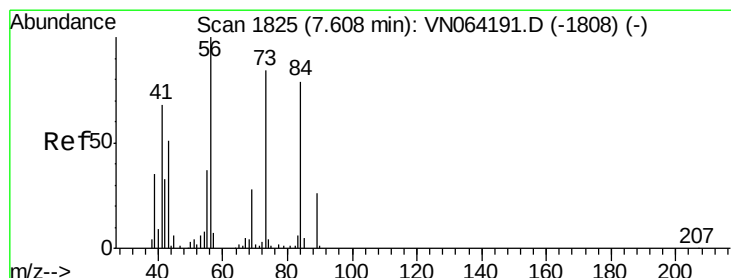
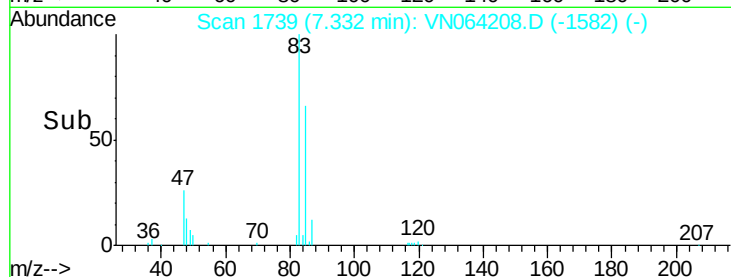
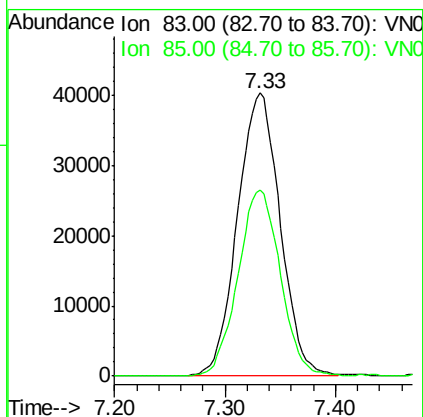
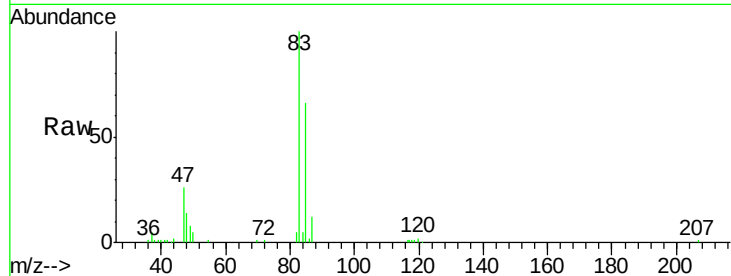
85 65.8 49.7 74.5

Manual Integrations

APPROVED

MMDadoda

10/23/2020 2:29:02 PM



#26

Cyclohexane

Concen: 17.172 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. 0.01 min

Lab File: VN064208.D

Acq: 20 Oct 2020 20:15

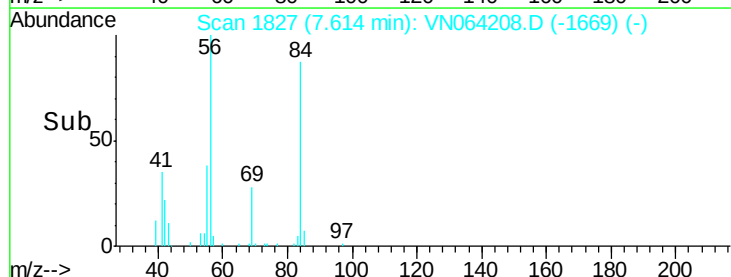
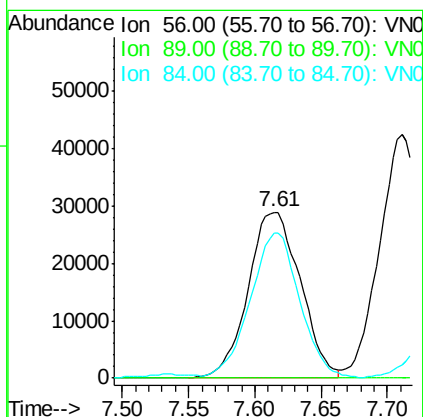
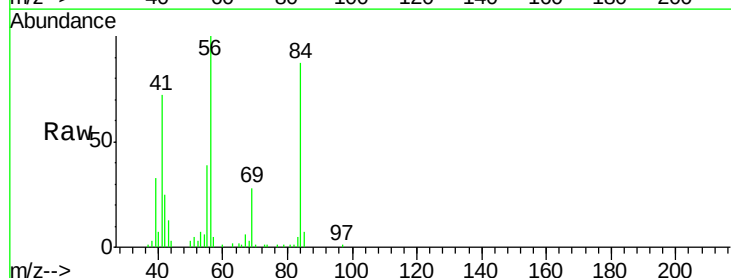
Tgt Ion: 56 Resp: 79241

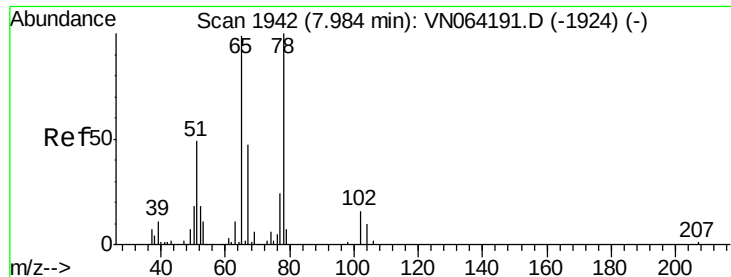
Ion Ratio Lower Upper

56 100

89 0.0 21.4 32.0#

84 83.1 65.8 98.6





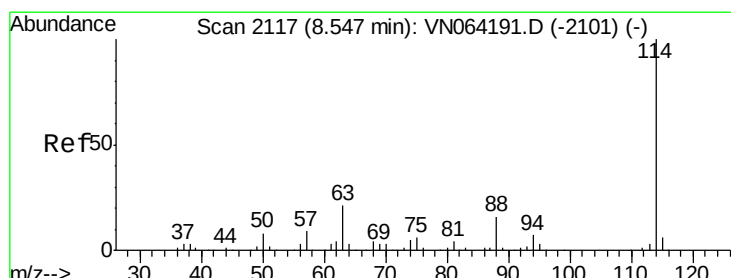
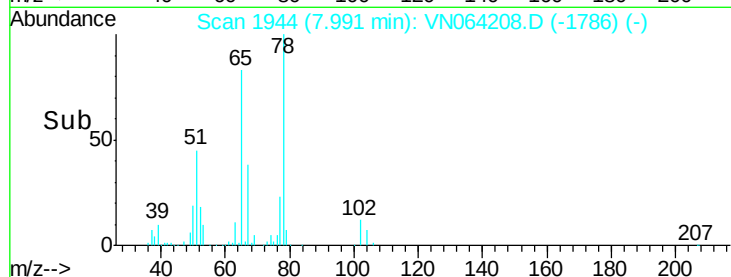
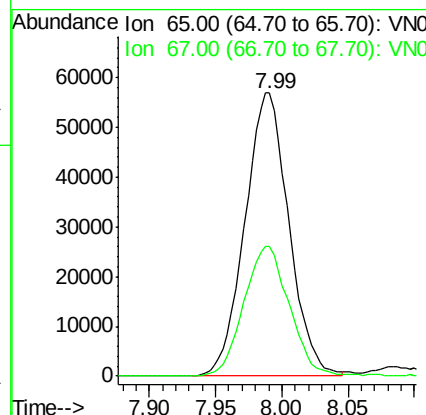
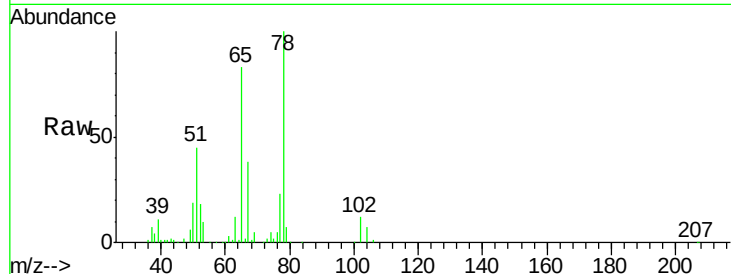
#27
 1,2-Dichloroethane-d4
 Concen: 33.002 ug/l
 RT: 7.99 min Scan# 1944
 Delta R.T. 0.01 min
 Lab File: VN064208.D
 Acq: 20 Oct 2020 20:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1020WBSD02

Tot Ion: 65 Resp: 131369
 Ion Ratio Lower Upper
 65 100
 67 47.1 39.8 59.6

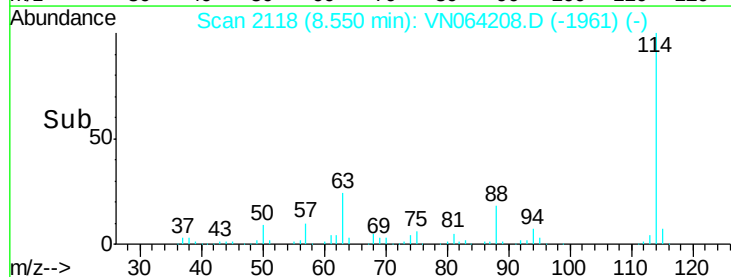
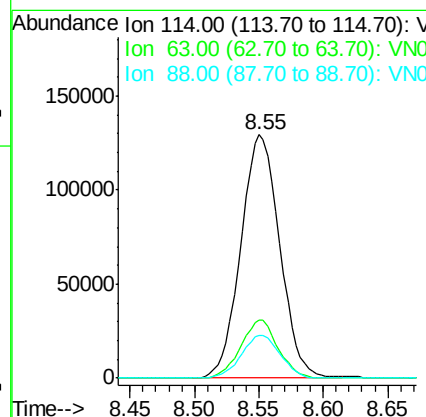
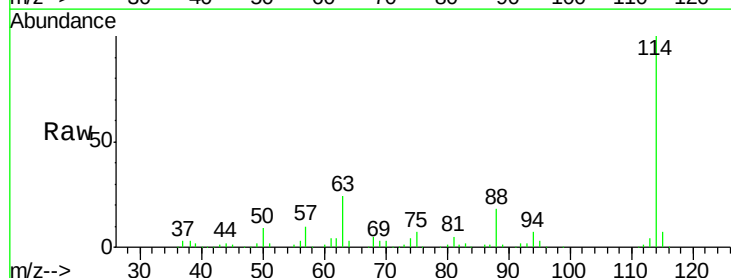
Manual Integrations
 APPROVED

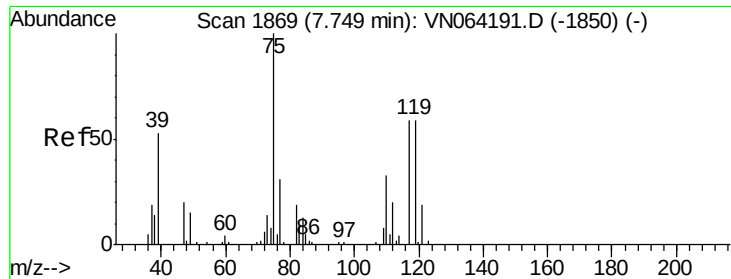
MMDadoda
 10/23/2020 2:29:02 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064208.D
 Acq: 20 Oct 2020 20:15

Tgt Ion: 114 Resp: 271651
 Ion Ratio Lower Upper
 114 100
 63 22.7 17.0 25.4
 88 17.6 13.0 19.4





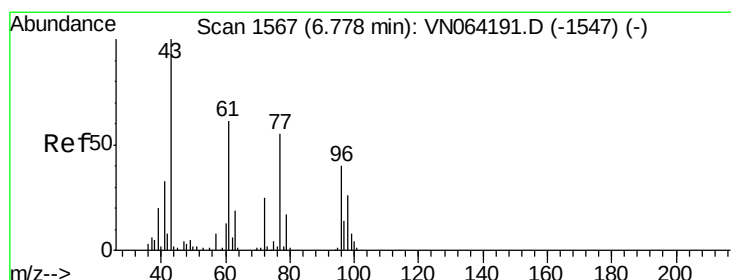
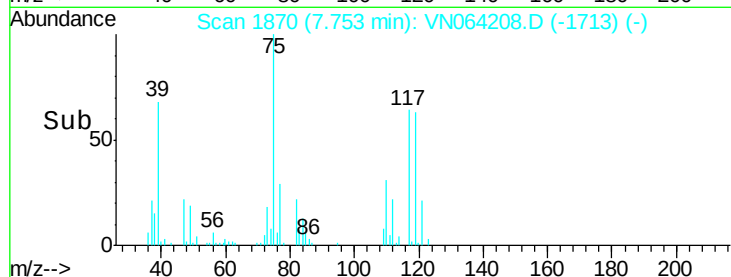
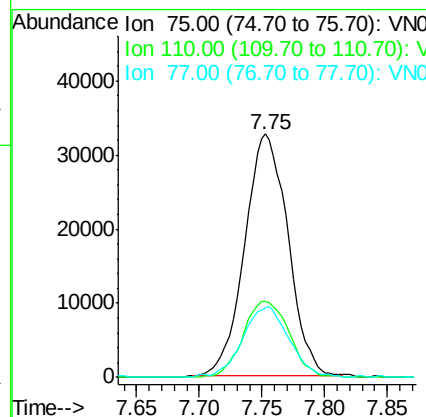
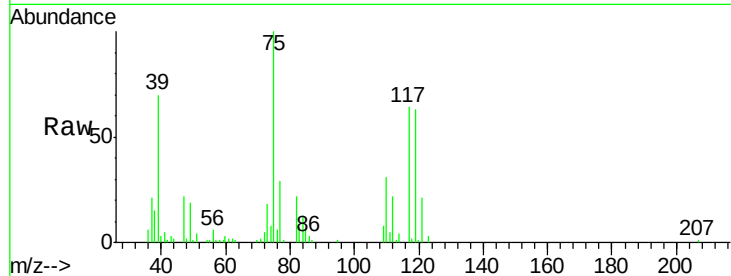
#29
 1,1-Dichloropropene
 Concen: 17.326 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VN064208.D
 Acq: 20 Oct 2020 20:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1020WBSD02

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	33.5	0.0	66.8
77	31.0	0.0	63.6

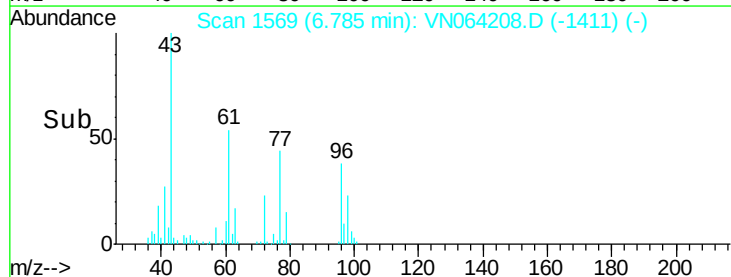
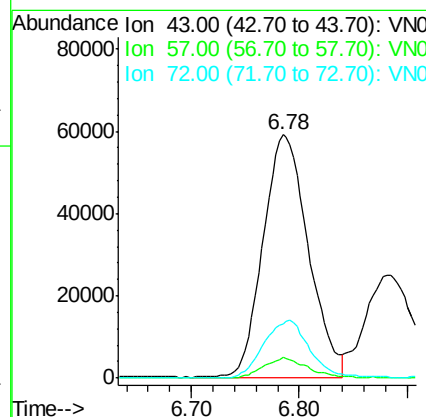
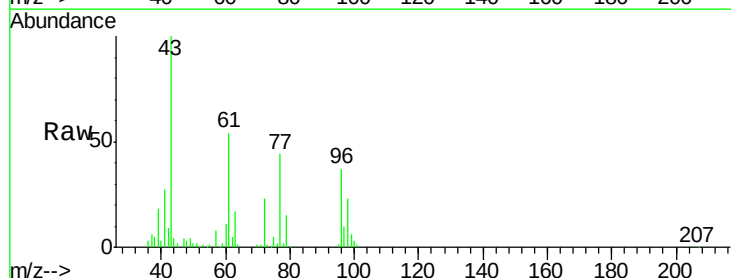
Manual Integrations
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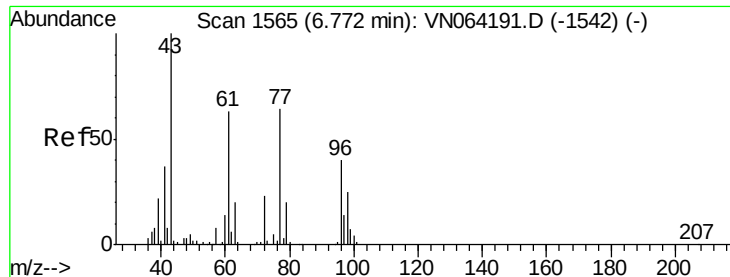
MMDadoda
 10/23/2020 2:29:02 PM



#30
 2-Butanone
 Concen: 92.180 ug/l
 RT: 6.78 min Scan# 1569
 Delta R.T. 0.01 min
 Lab File: VN064208.D
 Acq: 20 Oct 2020 20:15

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.1	5.8	8.6
72	24.2	19.8	29.8





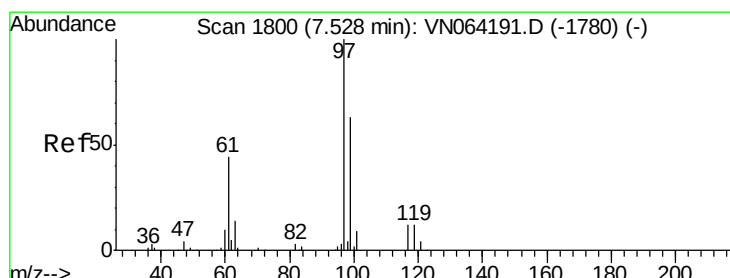
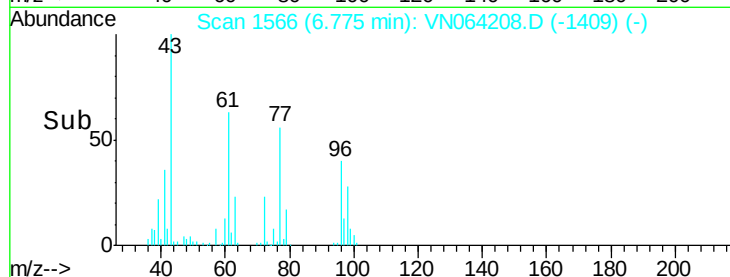
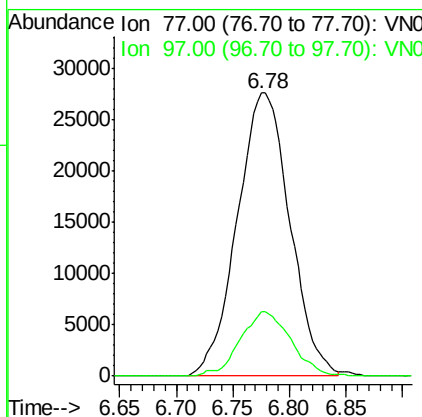
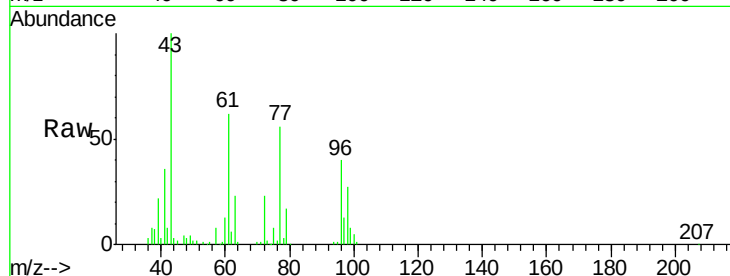
#31
 2,2-Dichloropropane
 Concen: 15.610 ug/l
 RT: 6.78 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: VN064208.D
 Acq: 20 Oct 2020 20:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1020WBSD02

Tot Ion: 77 Resp: 89405
 Ion Ratio Lower Upper
 77 100
 97 21.4 17.3 25.9

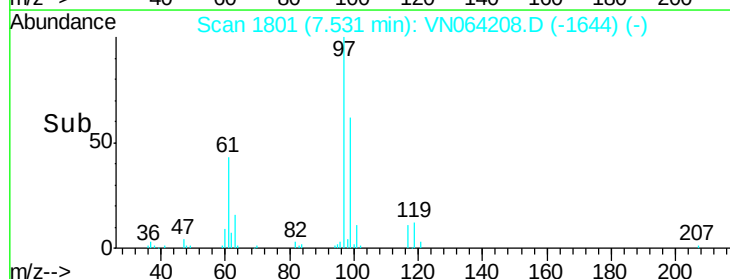
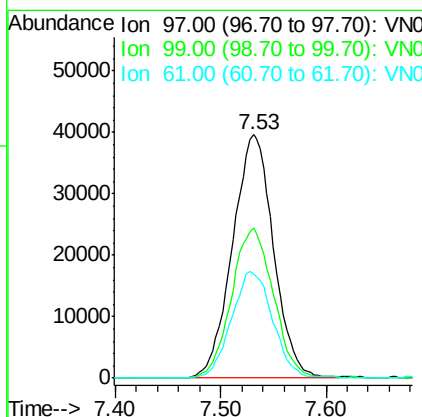
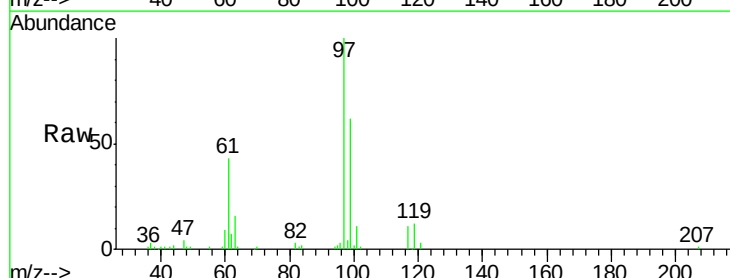
Manual Integrations
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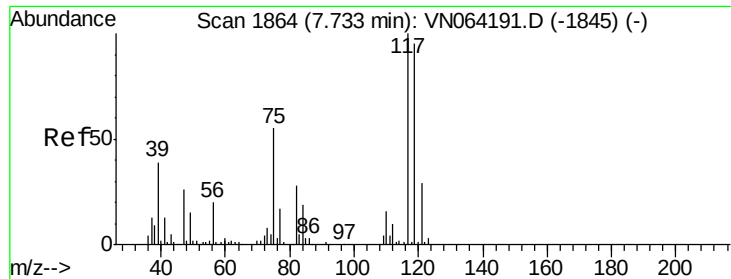
MMDadoda
 10/23/2020 2:29:02 PM



#32
 1,1,1-Trichloroethane
 Concen: 18.622 ug/l
 RT: 7.53 min Scan# 1801
 Delta R.T. 0.00 min
 Lab File: VN064208.D
 Acq: 20 Oct 2020 20:15

Tgt Ion: 97 Resp: 107040
 Ion Ratio Lower Upper
 97 100
 99 62.5 51.3 76.9
 61 43.9 34.8 52.2





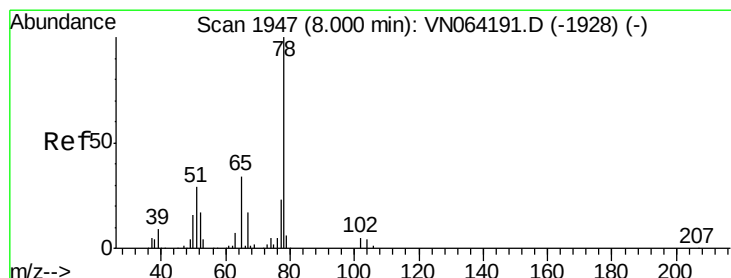
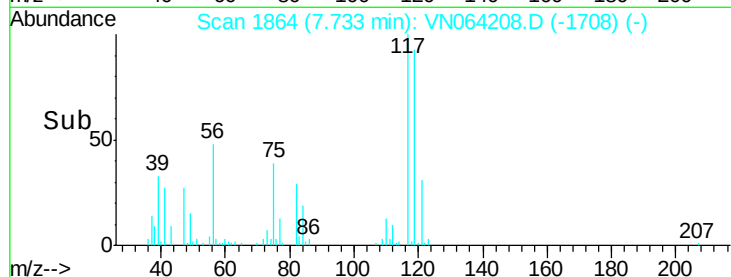
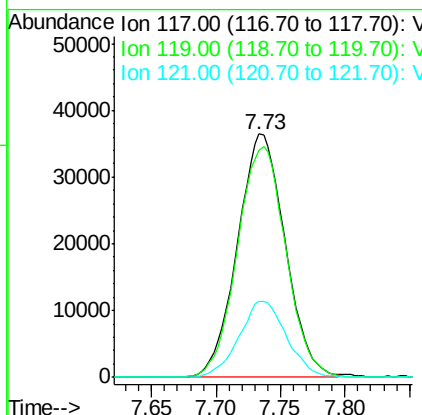
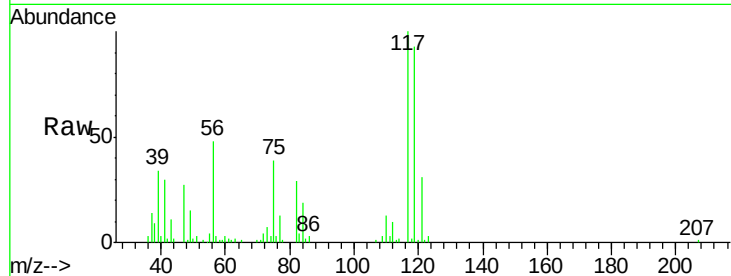
#33
Carbon Tetrachloride
Concen: 17.935 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN064208.D
Acq: 20 Oct 2020 20:15

Instrument :
MSVOA_N
ClientSampleId :
VN1020WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
119	92.6	76.0	114.0
121	31.2	23.0	34.6

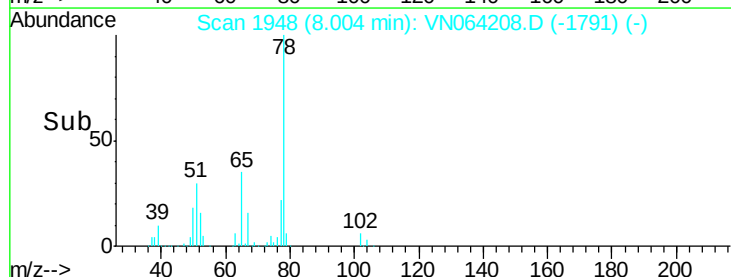
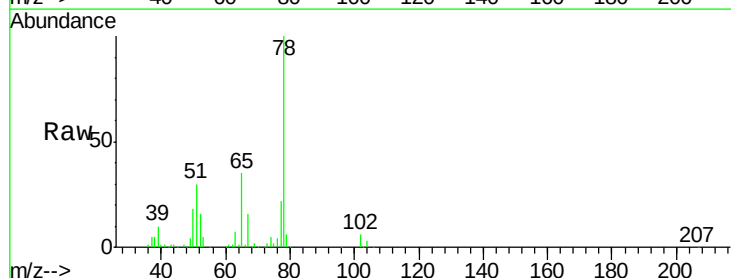
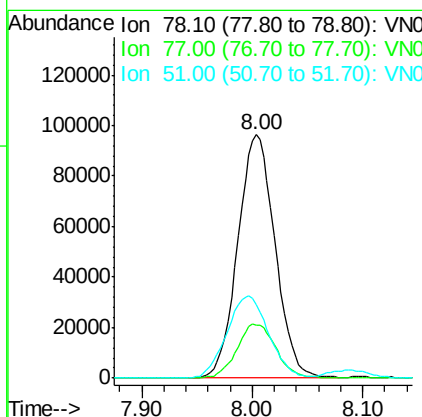
Manual Integrations
APPROVED

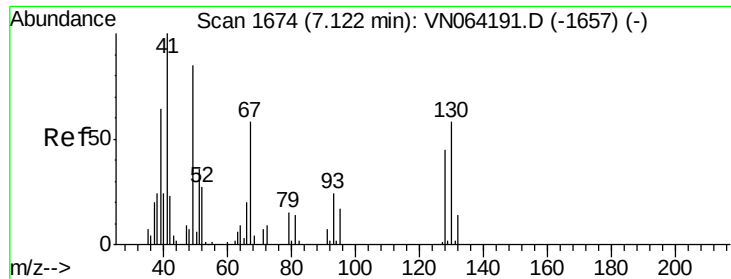
MMDadoda
10/23/2020 2:29:02 PM



#34
Benzene
Concen: 17.959 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN064208.D
Acq: 20 Oct 2020 20:15

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.0	18.4	27.6
51	30.0	23.0	34.6





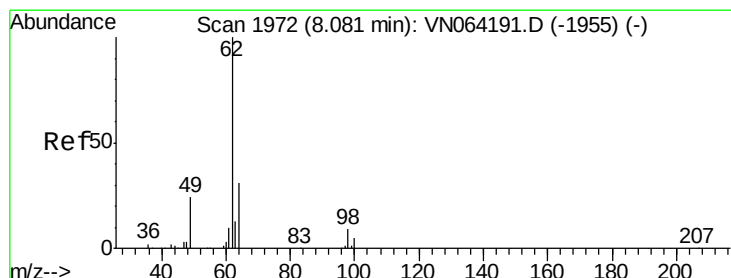
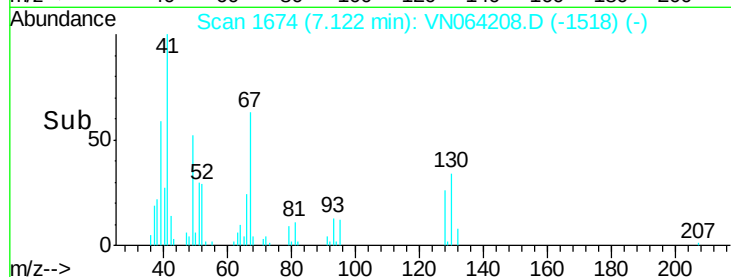
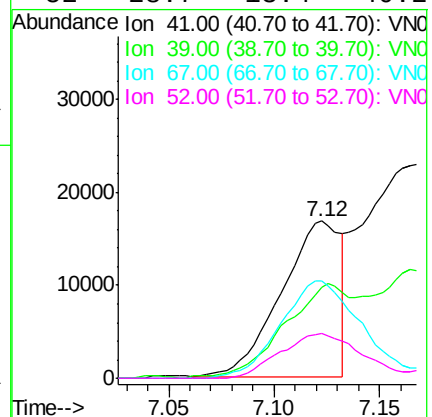
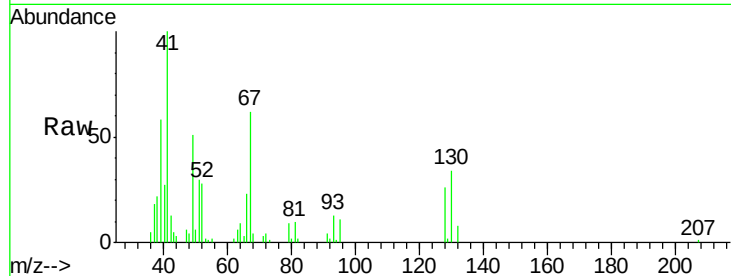
#35
Methacrylonitrile
Concen: 15.996 ug/l
RT: 7.12 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN064208.D
Acq: 20 Oct 2020 20:15

Instrument :
MSVOA_N
ClientSampleId :
VN1020WBSD02

Tot Ion	41	Resp	32643
Ion Ratio	Lower	Upper	
41	100		
39	56.9	32.1	96.3
67	62.4	28.9	86.8
52	28.7	13.4	40.2

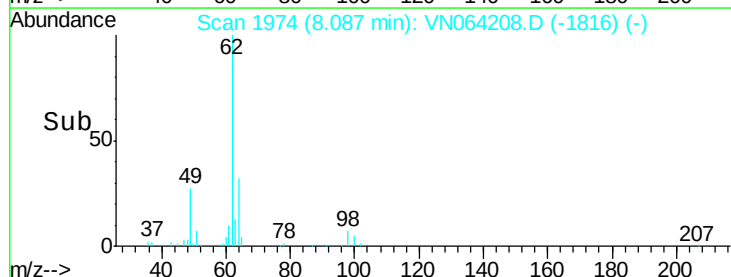
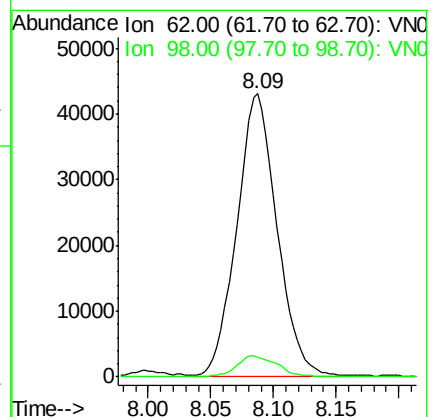
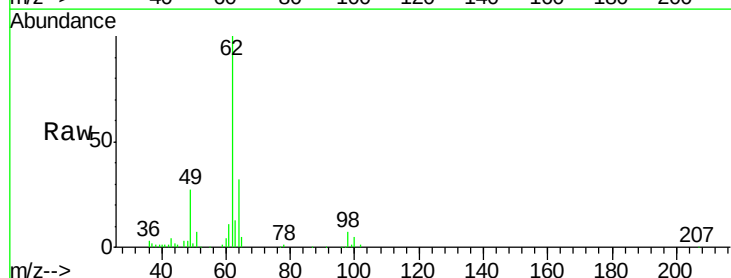
Manual Integrations
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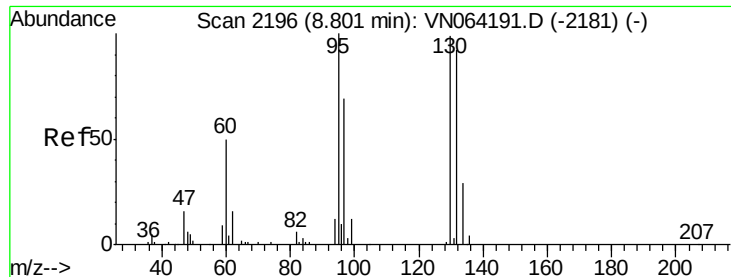
MMDadoda
10/23/2020 2:29:02 PM



#36
1,2-Dichloroethane
Concen: 18.812 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.01 min
Lab File: VN064208.D
Acq: 20 Oct 2020 20:15

Tgt Ion	62	Resp	95586
Ion Ratio	Lower	Upper	
62	100		
98	7.4	6.3	9.5





#37

Trichloroethene

Concen: 17.680 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN064208.D

Acq: 20 Oct 2020 20:15

Instrument :

MSVOA_N

ClientSampleId :

VN1020WBSD02

Tot Ion:130 Resp: 61153

Ion Ratio Lower Upper

130 100

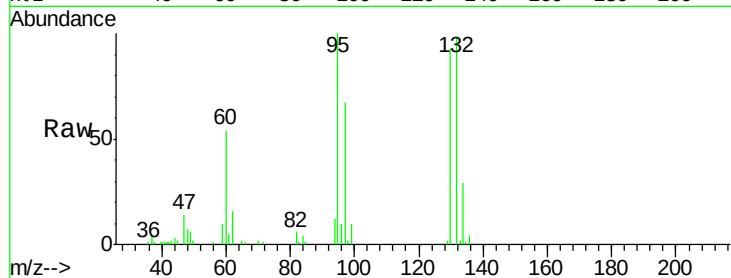
95 107.8 81.0 121.4

Manual Integrations

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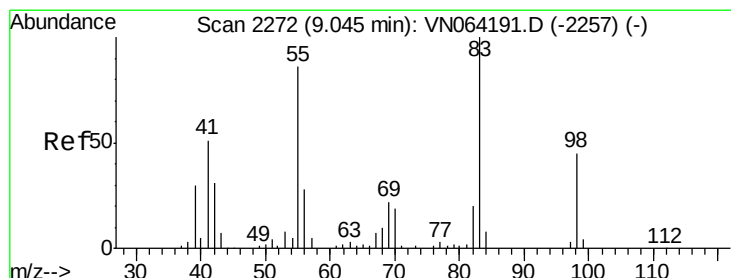
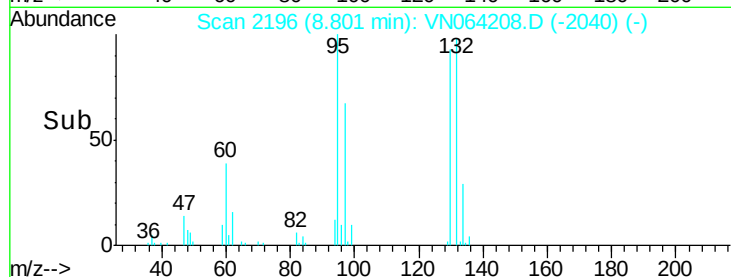
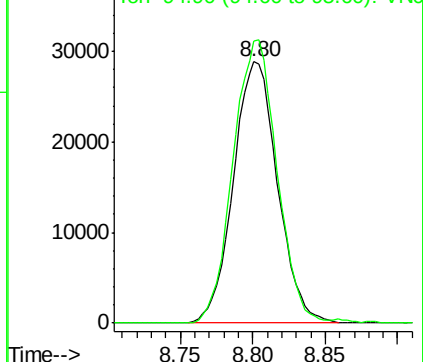
MMDadoda

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN



#38

Methylcyclohexane

Concen: 17.341 ug/l

RT: 9.05 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN064208.D

Acq: 20 Oct 2020 20:15

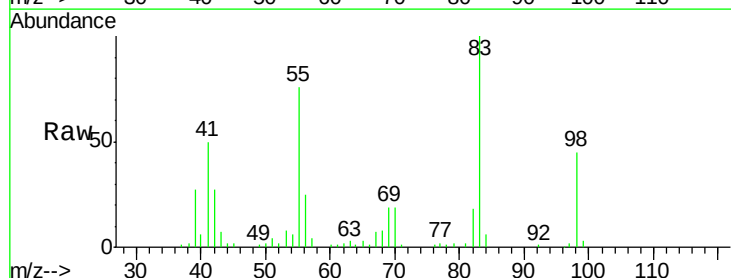
Tgt Ion: 83 Resp: 74823

Ion Ratio Lower Upper

83 100

55 80.7 40.3 120.9

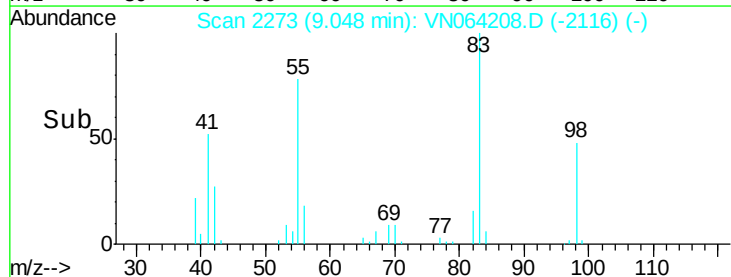
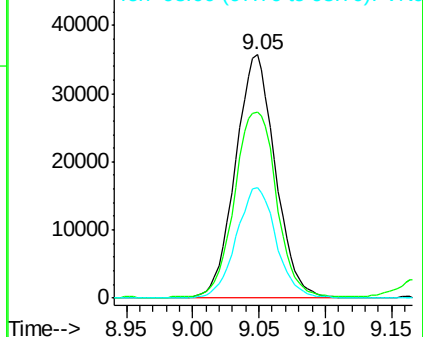
98 45.0 22.4 67.0

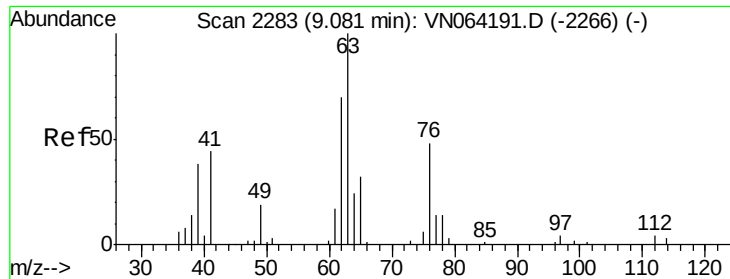


Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN





#39

1,2-Dichloropropane

Concen: 18.052 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN064208.D

Acq: 20 Oct 2020 20:15

Instrument :

MSVOA_N

ClientSampleId :

VN1020WBSD02

Tot Ion: 63 Resp: 60520

Ion Ratio Lower Upper

63 100

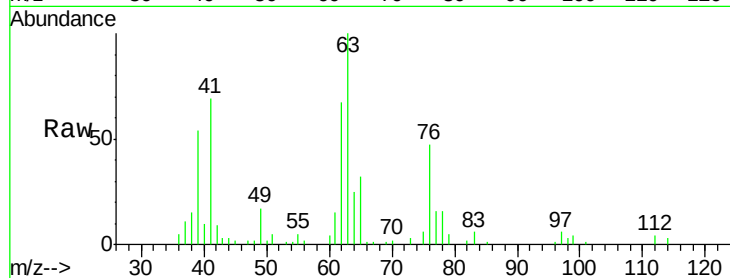
65 32.4 26.5 39.7

Manual Integrations

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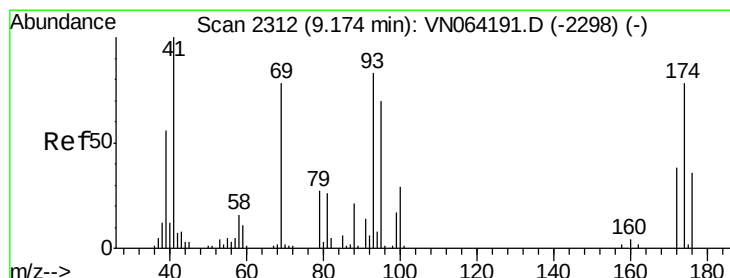
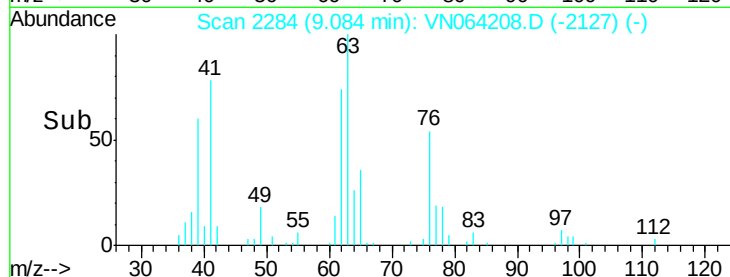
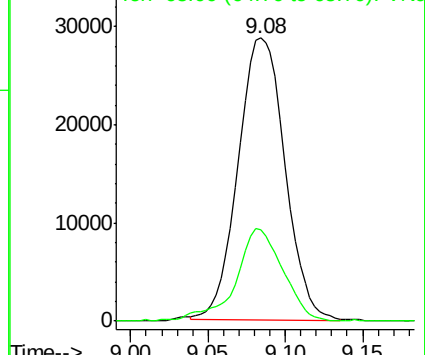
MMDadoda

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Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 18.616 ug/l

RT: 9.18 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN064208.D

Acq: 20 Oct 2020 20:15

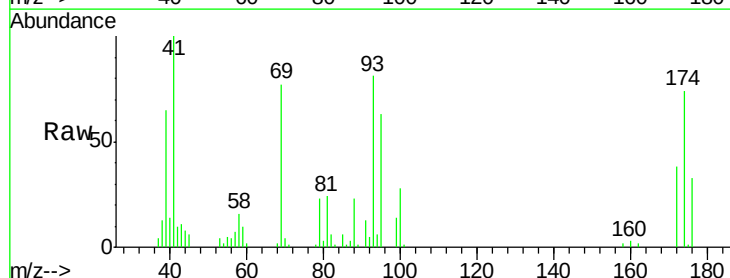
Tgt Ion: 93 Resp: 43425

Ion Ratio Lower Upper

93 100

95 81.5 0.0 169.2

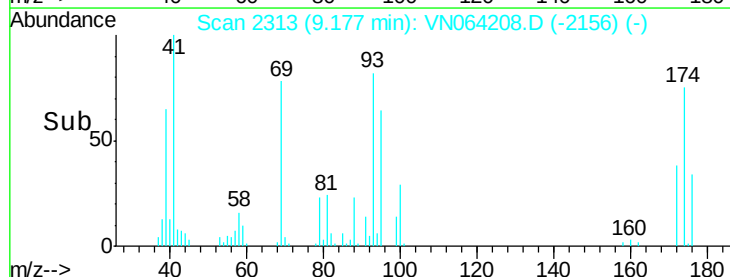
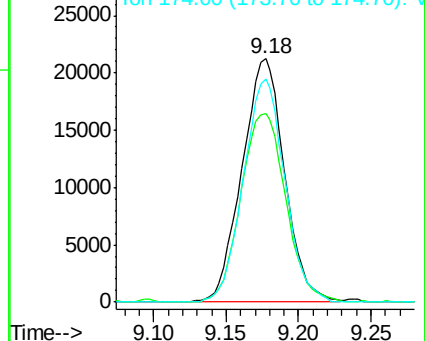
174 89.4 0.0 187.4

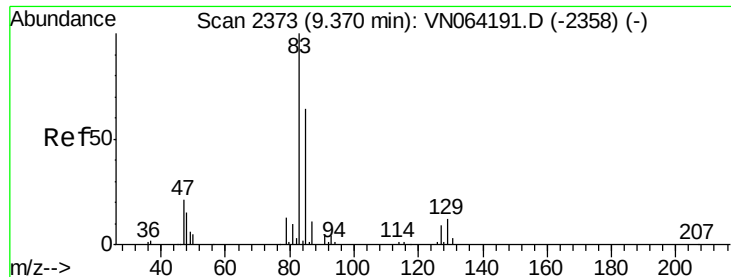


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





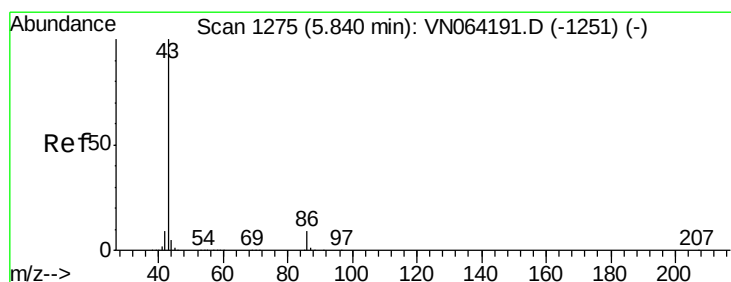
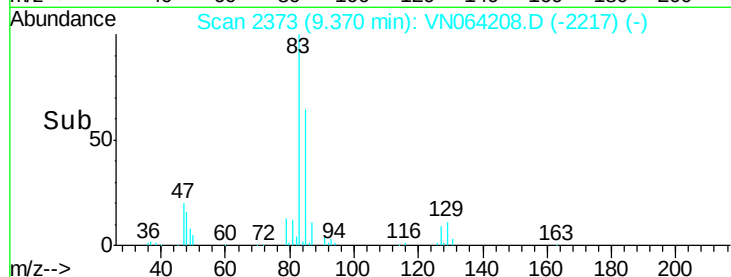
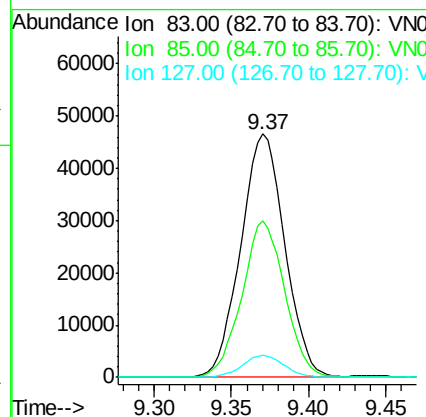
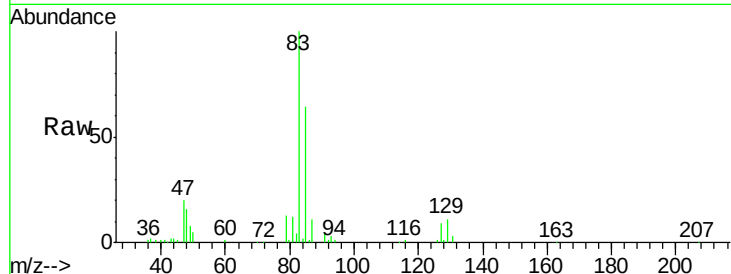
#41
Bromodichloromethane
Concen: 18.276 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN064208.D
Acq: 20 Oct 2020 20:15

Instrument :
MSVOA_N
ClientSampleId :
VN1020WBSD02

Tot Ion	83	Resp	92264
Ion Ratio	100	Lower	Upper
83	100		
85	64.1	51.5	77.3
127	9.0	6.8	10.2

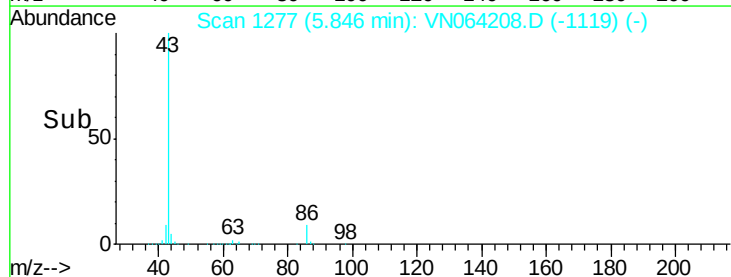
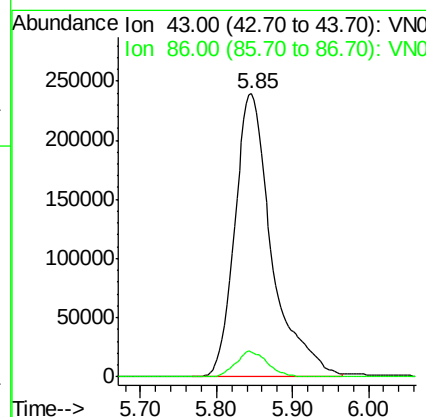
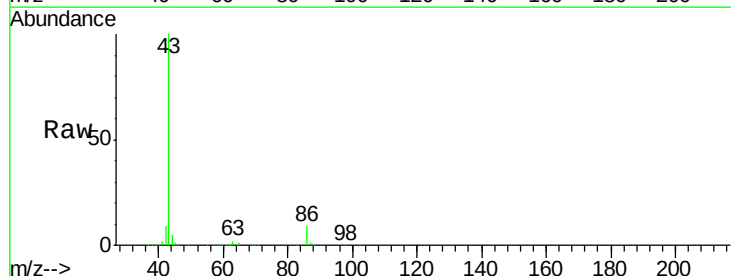
Manual Integrations
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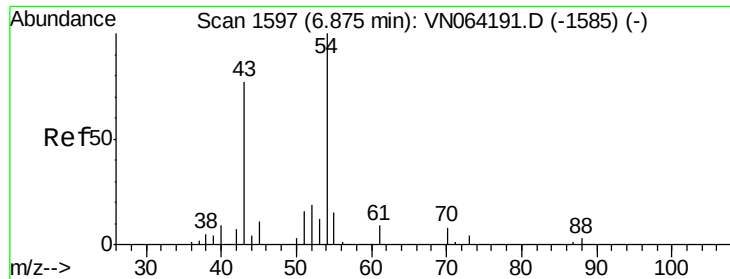
MMDadoda
10/23/2020 2:29:02 PM



#42
Vinyl Acetate
Concen: 91.318 ug/l
RT: 5.85 min Scan# 1277
Delta R.T. 0.01 min
Lab File: VN064208.D
Acq: 20 Oct 2020 20:15

Tgt Ion	43	Resp	806522
Ion Ratio	100	Lower	Upper
43	100		
86	8.0	6.7	10.1





#43

Ethyl Acetate

Concen: 17.676 ug/l

RT: 6.88 min Scan# 1599

Delta R.T. 0.01 min

Lab File: VN064208.D

Acq: 20 Oct 2020 20:15

Instrument :

MSVOA_N

ClientSampleId :

VN1020WBSD02

Tot Ion: 43 Resp: 71818

Ion Ratio Lower Upper

43 100

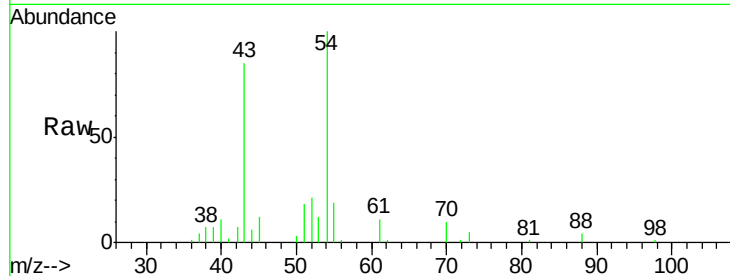
45 7.9 9.8 14.8#

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN064208.D (-1441) (-)

Ion 45.00 (44.70 to 45.70): VN064208.D (-1441) (-)

60000

40000

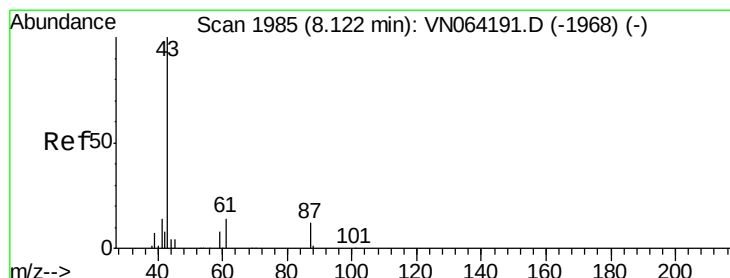
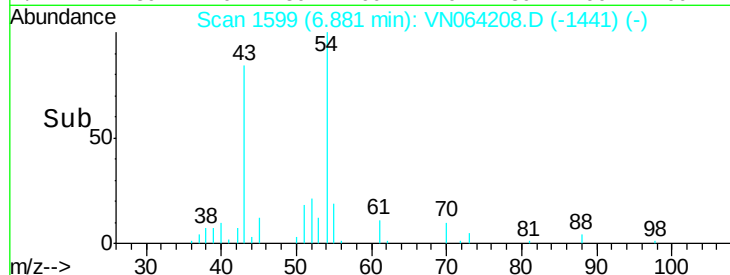
20000

0

6.80 6.85 6.90 6.95 7.00

6.88

Time-->



#44

Isopropyl Acetate

Concen: 18.419 ug/l m

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN064208.D

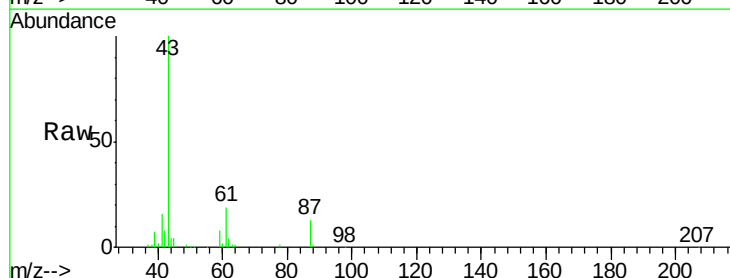
Acq: 20 Oct 2020 20:15

Tgt Ion: 43 Resp: 143673

Ion Ratio Lower Upper

43 100

61 0.1 18.7 28.1#



Abundance Ion 43.00 (42.70 to 43.70): VN064208.D (-1829) (-)

Ion 61.00 (60.70 to 61.70): VN064208.D (-1829) (-)

60000

40000

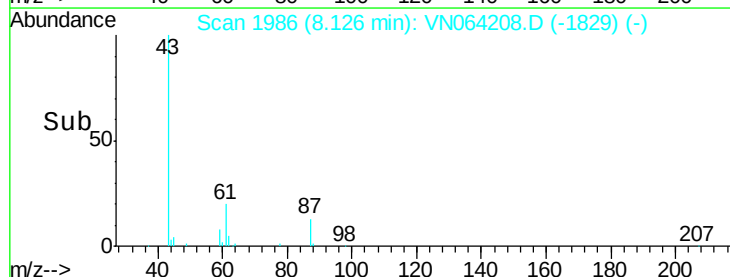
20000

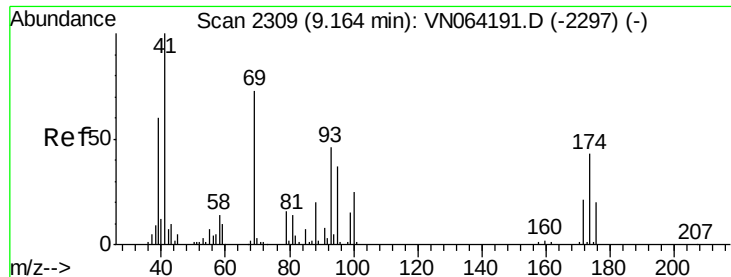
0

8.05 8.10 8.15 8.20

8.13

Time-->





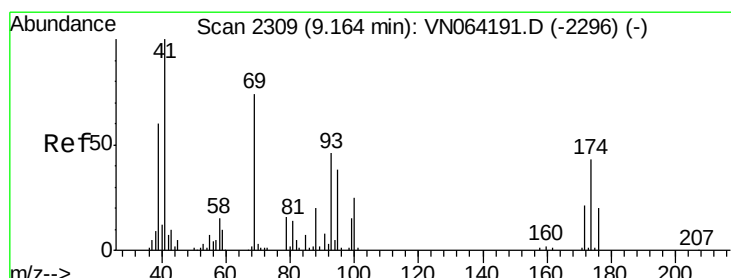
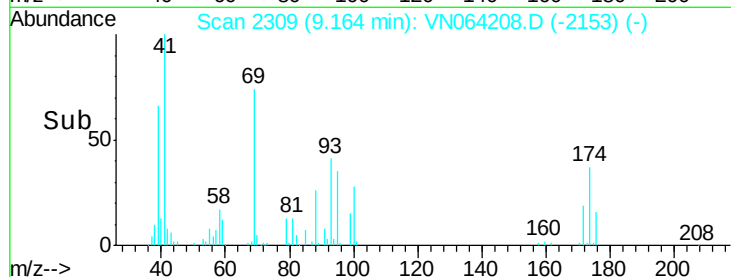
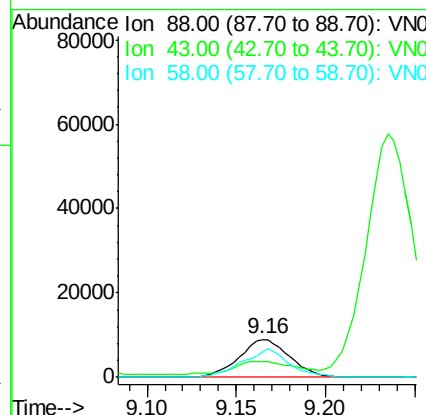
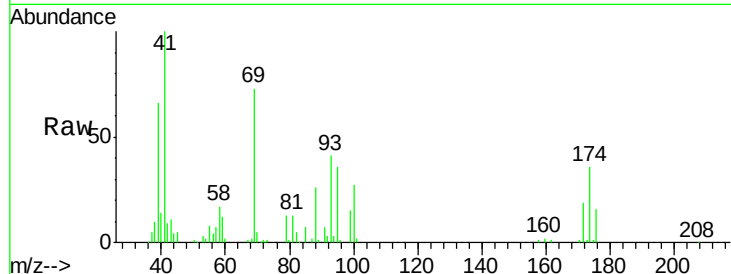
#45
 1,4-Dioxane
 Concen: 387.423 ug/l
 RT: 9.16 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN064208.D
 Acq: 20 Oct 2020 20:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1020WBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.4	37.0	55.4
58	69.8	62.4	93.6

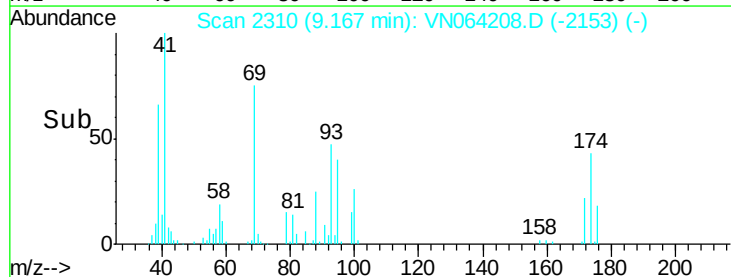
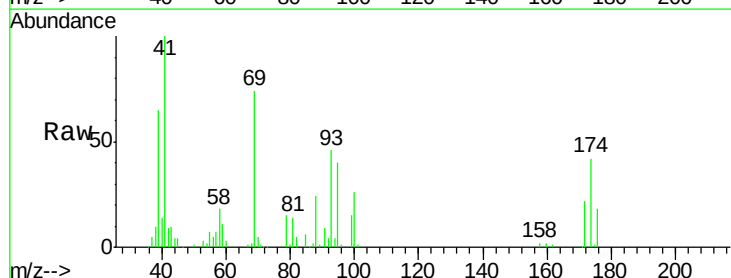
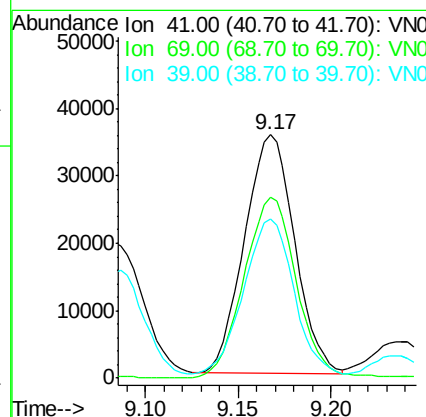
Manual Integrations
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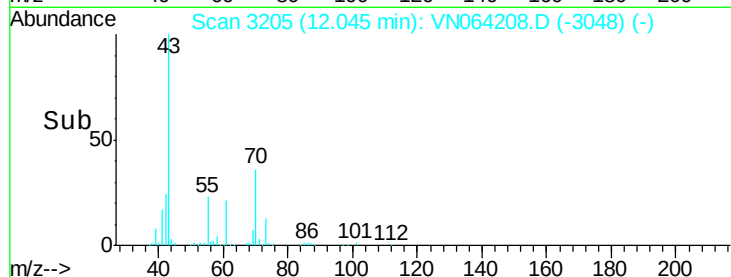
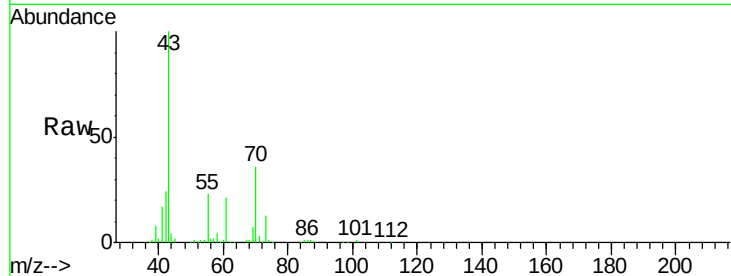
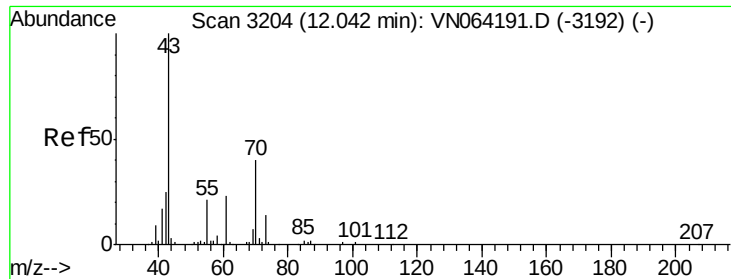
MMDadoda
 10/23/2020 2:29:02 PM



#46
 Methyl methacrylate
 Concen: 18.045 ug/l
 RT: 9.17 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN064208.D
 Acq: 20 Oct 2020 20:15

Tgt Ion	Ratio	Lower	Upper
41	100		
69	76.1	36.8	110.4
39	64.7	30.4	91.2





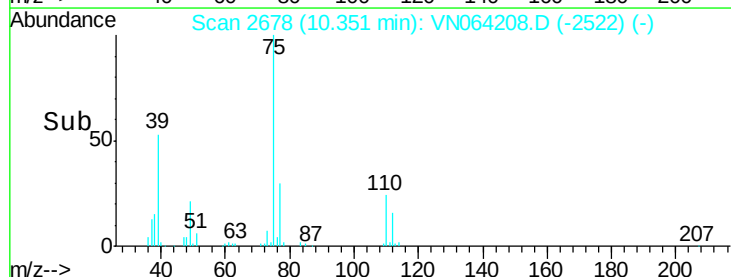
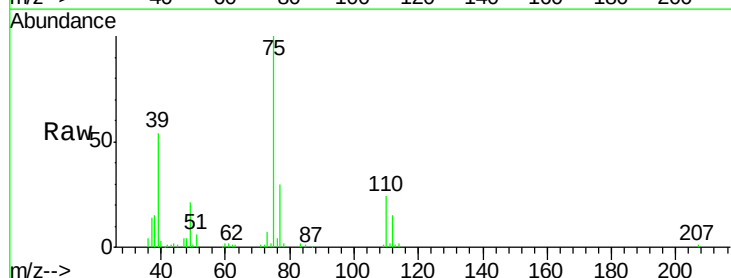
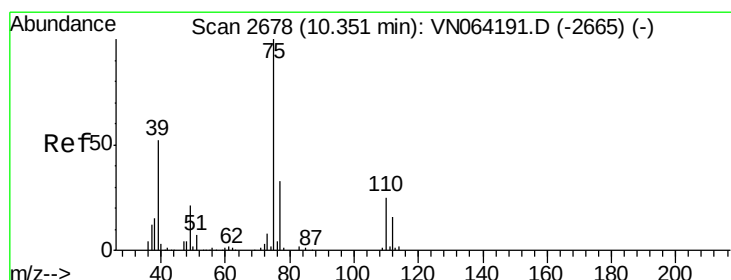
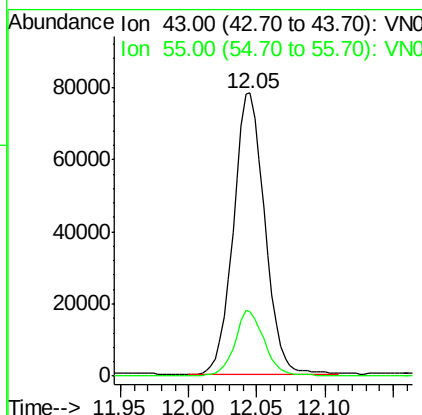
#47
n-amvl Acetate
Concen: 17.989 ug/l
RT: 12.05 min Scan# 3205
Delta R.T. 0.00 min
Lab File: VN064208.D
Acq: 20 Oct 2020 20:15

Tot Ion: 43 Resp: 124483
Ion Ratio Lower Upper
43 100
55 22.2 17.6 26.4

Instrument :
MSVOA_N
ClientSampleId :
VN1020WBSD02

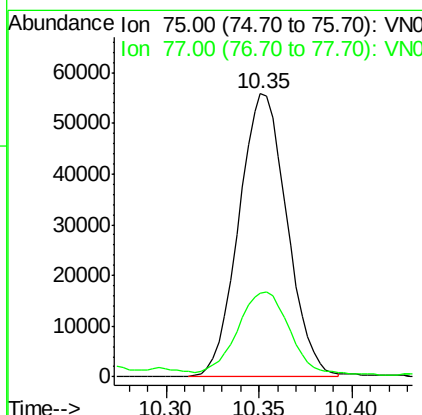
Manual Integrations
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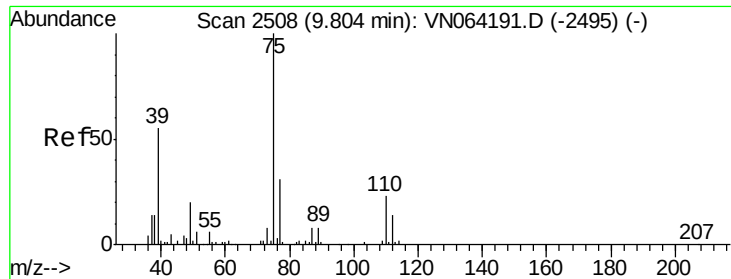
MMDadoda
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#48
t-1,3-Dichloropropene
Concen: 17.690 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN064208.D
Acq: 20 Oct 2020 20:15

Tgt Ion: 75 Resp: 100719
Ion Ratio Lower Upper
75 100
77 28.0 27.4 41.2





#49

cis-1,3-Dichloropropene

Concen: 17.239 ug/l

RT: 9.81 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN064208.D

Acq: 20 Oct 2020 20:15

Instrument :

MSVOA_N

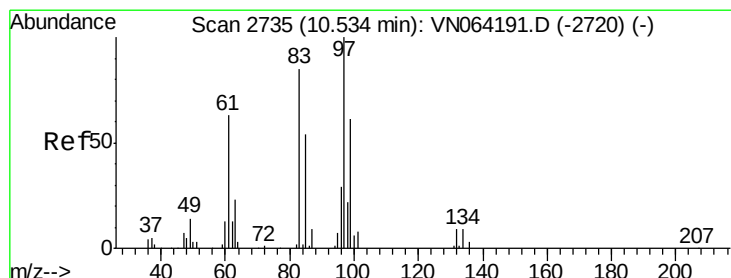
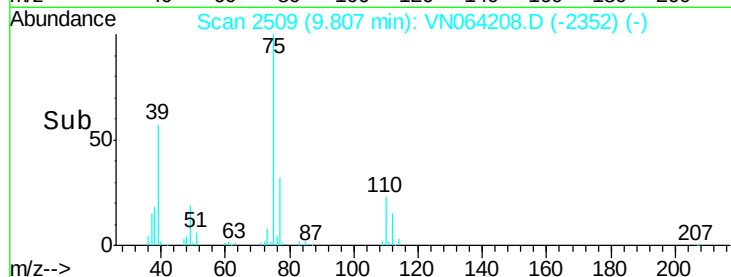
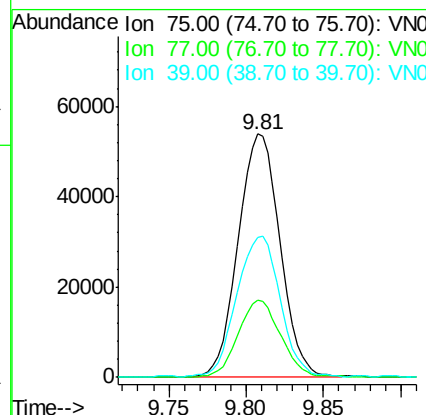
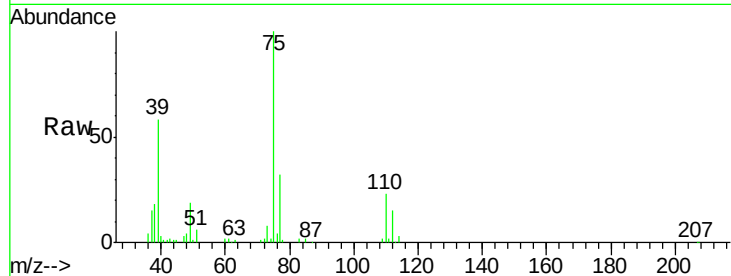
ClientSampleId :

VN1020WBSD02

Tot Ion:	75	Resp:	101411
Ion Ratio	Lower	Upper	
75	100		
77	32.0	24.5	36.7
39	57.2	43.8	65.8

Manual Integrations
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#50

1,1,2-Trichloroethane

Concen: 18.269 ug/l

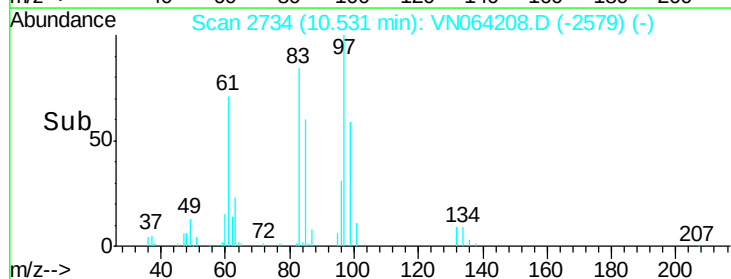
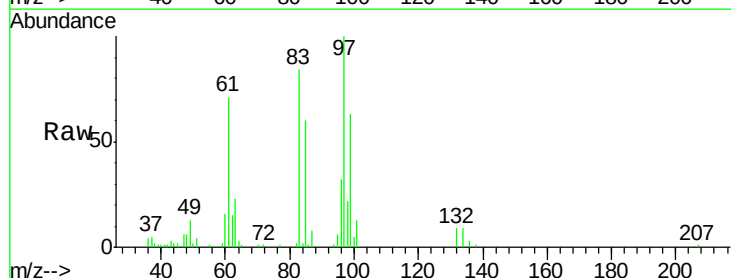
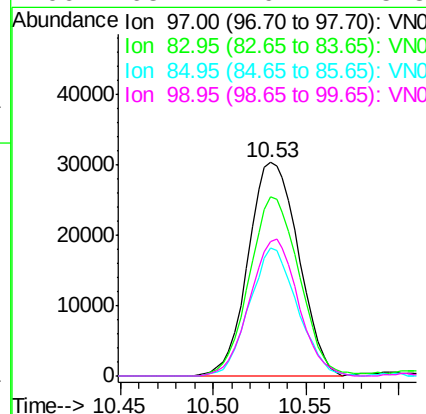
RT: 10.53 min Scan# 2734

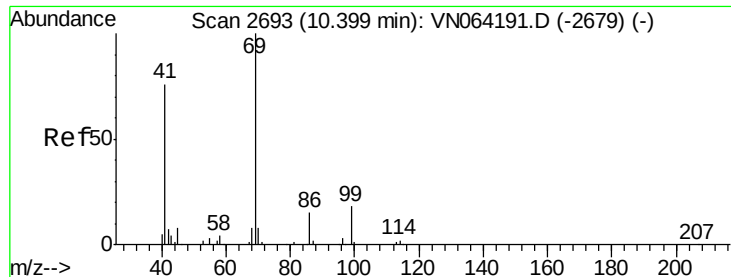
Delta R.T. -0.00 min

Lab File: VN064208.D

Acq: 20 Oct 2020 20:15

Tgt Ion:	97	Resp:	57092
Ion Ratio	Lower	Upper	
97	100		
83	83.8	67.7	101.5
85	60.1	43.2	64.8
99	63.1	49.2	73.8





#51

Ethyl methacrylate

Concen: 17.823 ug/l

RT: 10.40 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN064208.D

Acq: 20 Oct 2020 20:15

Instrument :

MSVOA_N

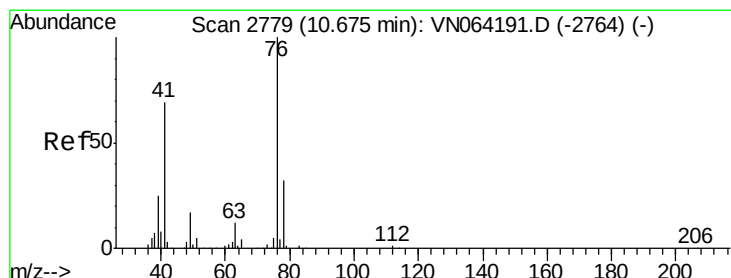
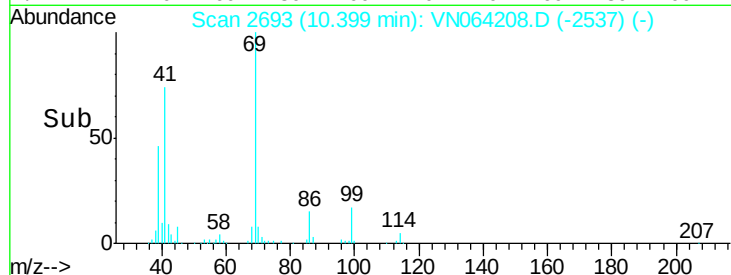
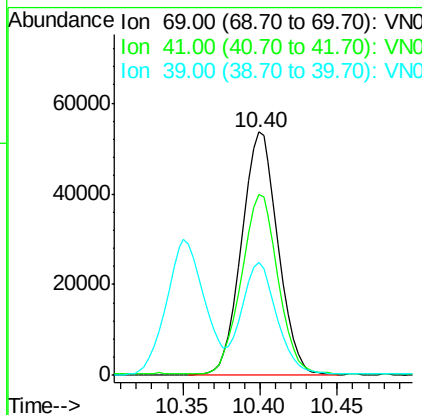
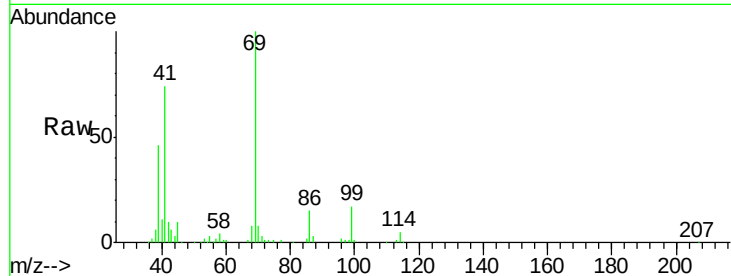
ClientSampleId :

VN1020WBSD02

Tot Ion:	69	Resp:	88074
Ion	Ratio	Lower	Upper
69	100		
41	73.4	38.0	114.1
39	45.5	21.4	64.3

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 17.795 ug/l

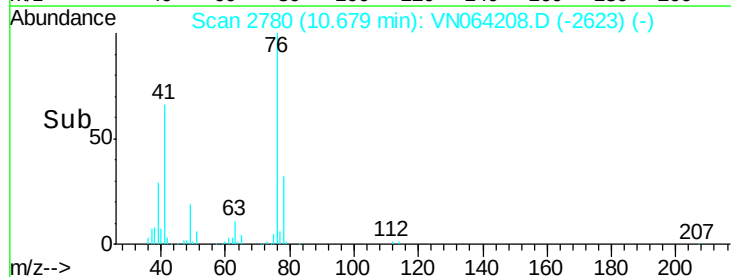
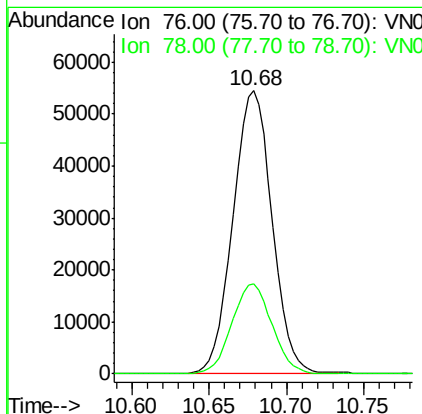
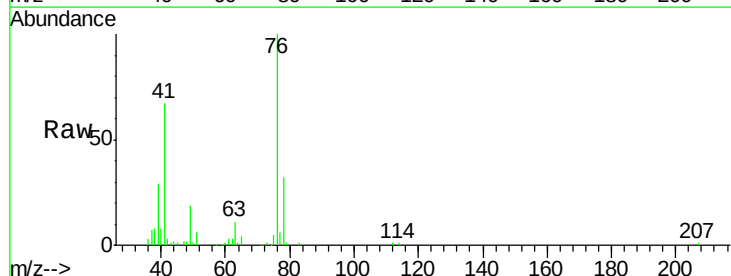
RT: 10.68 min Scan# 2780

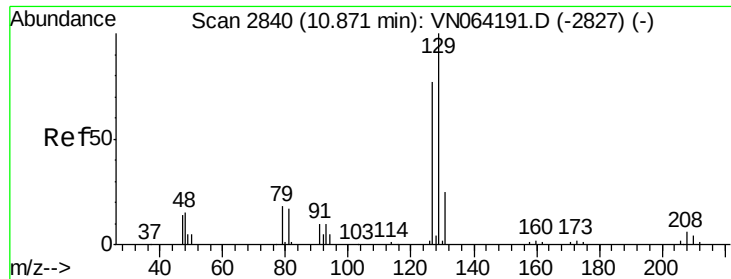
Delta R.T. 0.00 min

Lab File: VN064208.D

Acq: 20 Oct 2020 20:15

Tgt Ion:	76	Resp:	95877
Ion	Ratio	Lower	Upper
76	100		
78	32.5	0.0	64.4





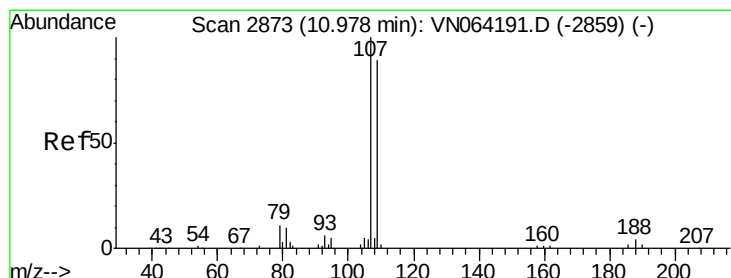
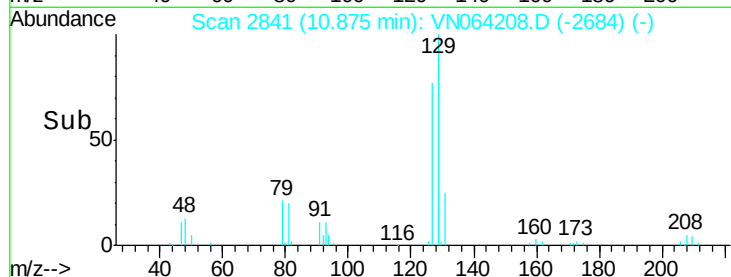
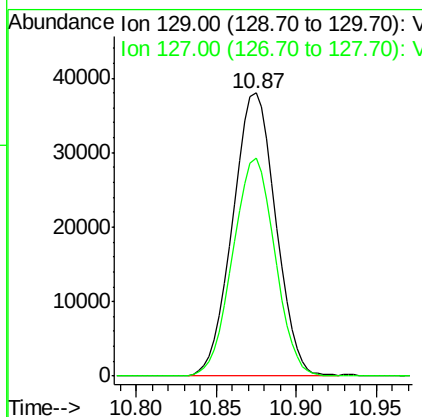
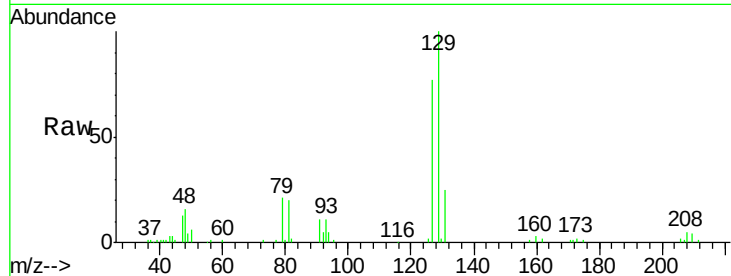
#53
 Dibromochloromethane
 Concen: 17.784 ug/l
 RT: 10.87 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VN064208.D
 Acq: 20 Oct 2020 20:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1020WBSD02

Tot Ion:129 Resp: 69949
 Ion Ratio Lower Upper
 129 100
 127 75.2 39.0 117.0

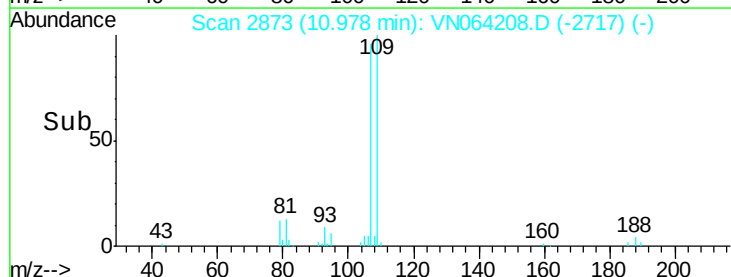
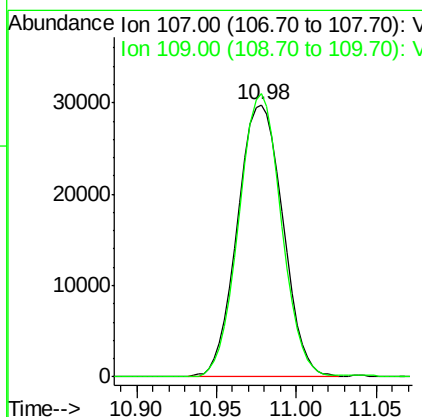
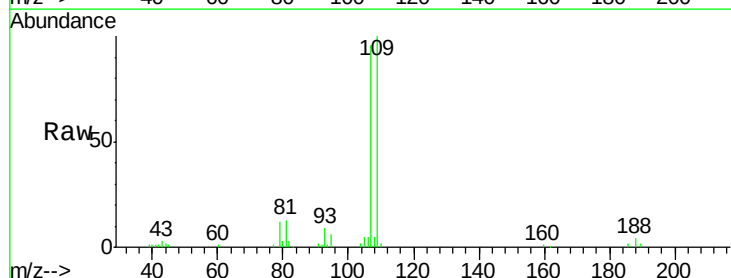
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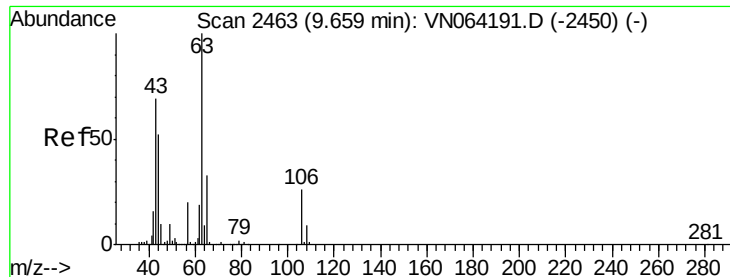
MMDadoda
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#54
 1,2-Dibromoethane
 Concen: 17.426 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN064208.D
 Acq: 20 Oct 2020 20:15

Tgt Ion:107 Resp: 57886
 Ion Ratio Lower Upper
 107 100
 109 97.0 71.8 107.8





#55

2-Chloroethyl vinyl ether

Concen: 93.668 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN064208.D

Acq: 20 Oct 2020 20:15

Instrument :

MSVOA_N

ClientSampleId :

VN1020WBSD02

Tot Ion: 63 Resp: 227489

Ion Ratio Lower Upper

63 100

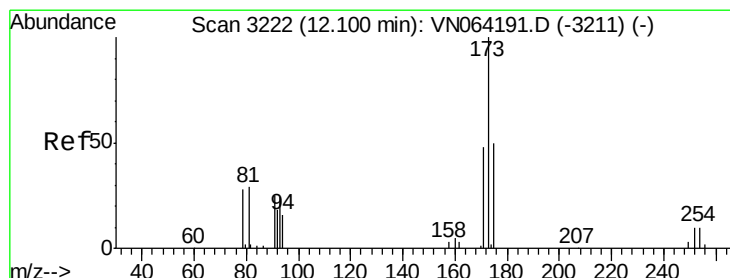
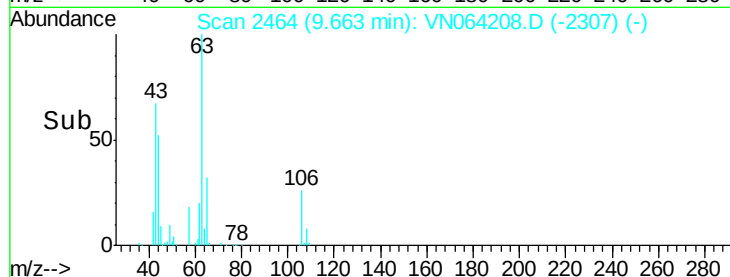
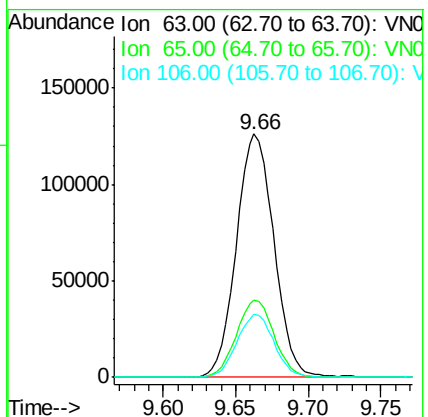
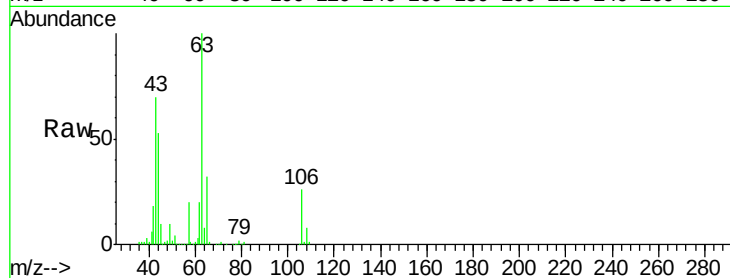
65 31.7 25.9 38.9

106 25.5 21.4 32.2

Manual Integrations
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#56

Bromoform

Concen: 17.650 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN064208.D

Acq: 20 Oct 2020 20:15

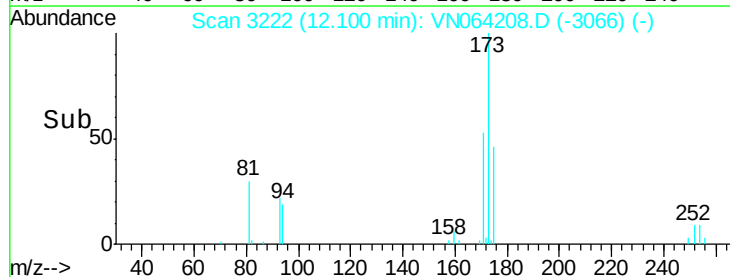
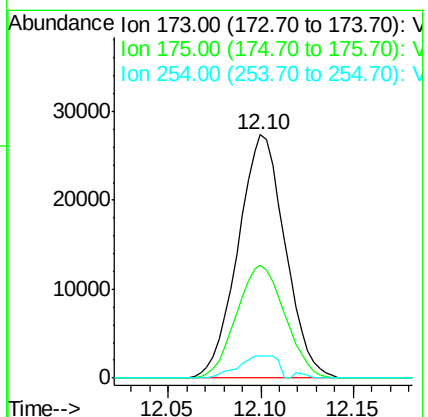
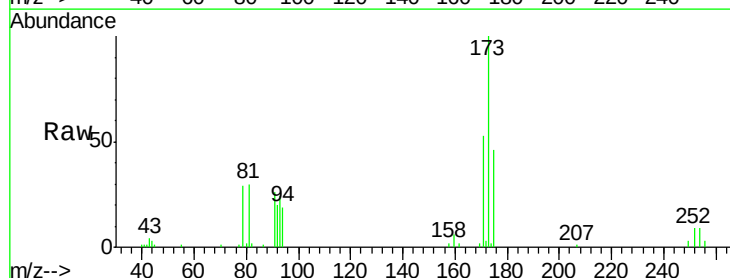
Tgt Ion: 173 Resp: 48345

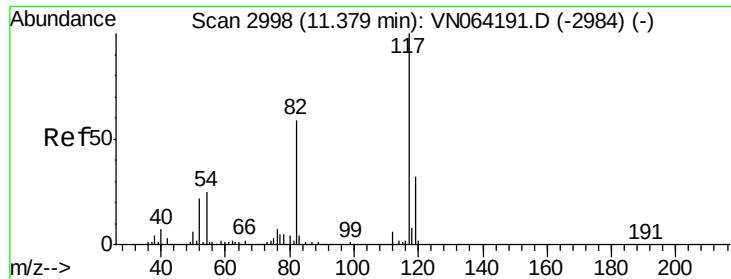
Ion Ratio Lower Upper

173 100

175 47.6 39.0 58.4

254 7.7 6.8 10.2





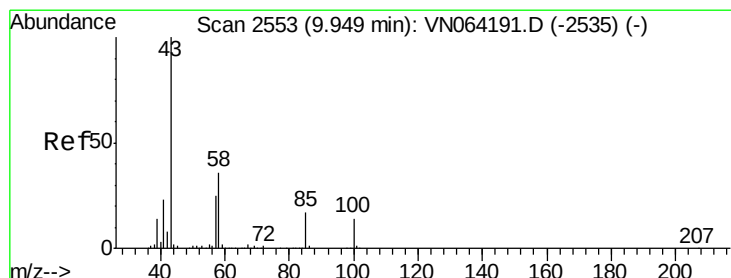
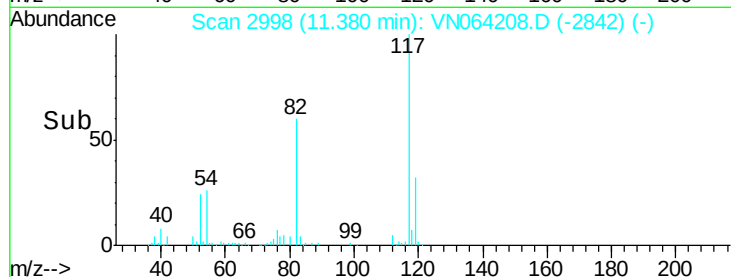
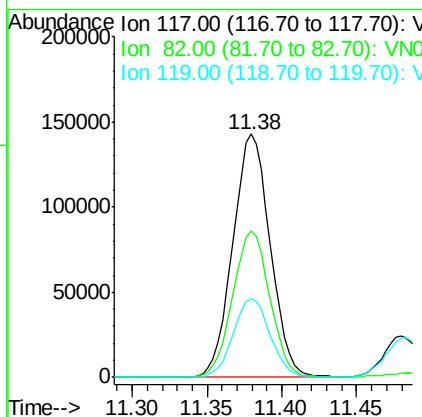
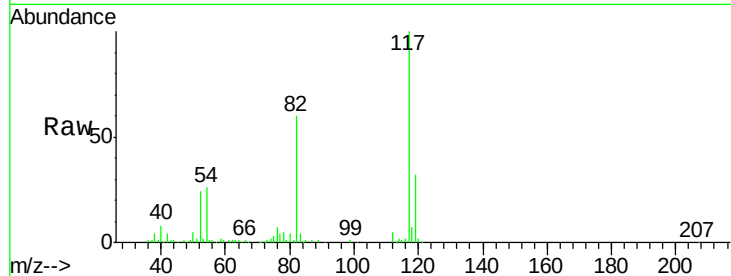
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064208.D
Acq: 20 Oct 2020 20:15

Instrument :
MSVOA_N
ClientSampleId :
VN1020WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	248592		
82	60.0	47.8	71.8	
119	32.0	25.7	38.5	

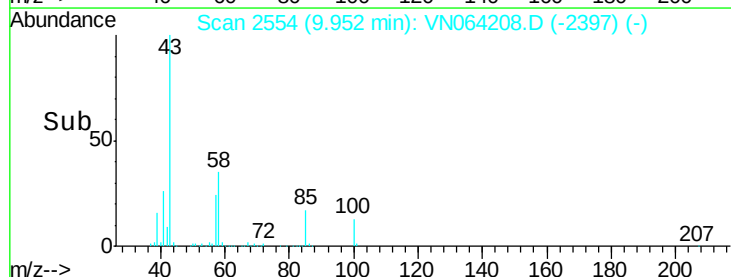
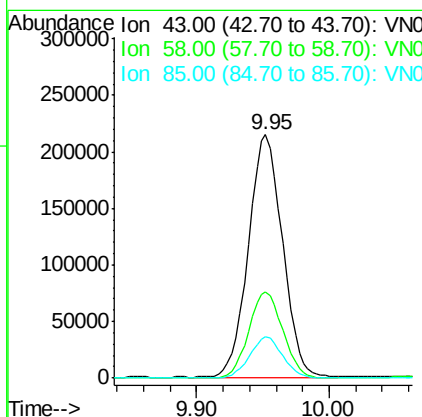
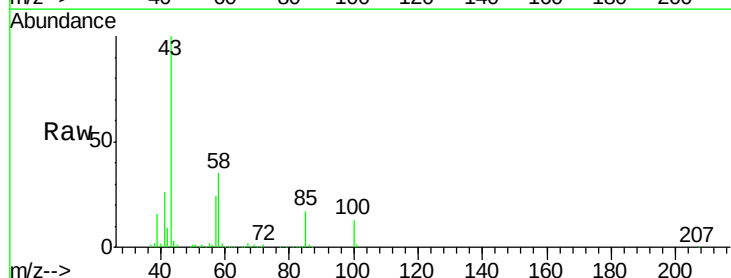
Manual Integrations
APPROVED

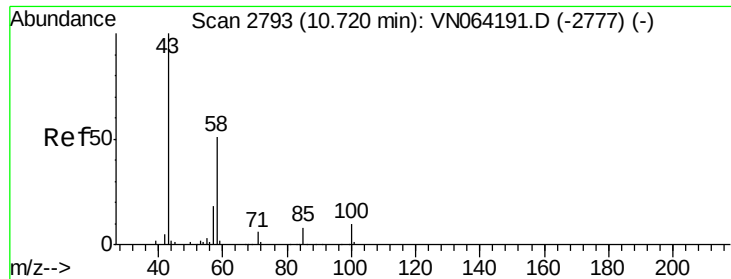
MMDadoda
10/23/2020 2:29:02 PM



#58
4-Methyl-2-Pentanone
Concen: 90.767 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN064208.D
Acq: 20 Oct 2020 20:15

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	382358		
58	35.8	29.5	44.3	
85	16.5	13.7	20.5	





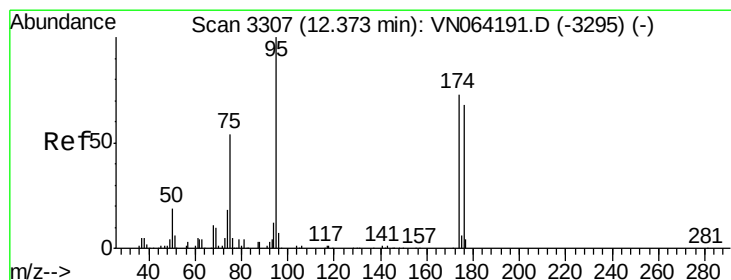
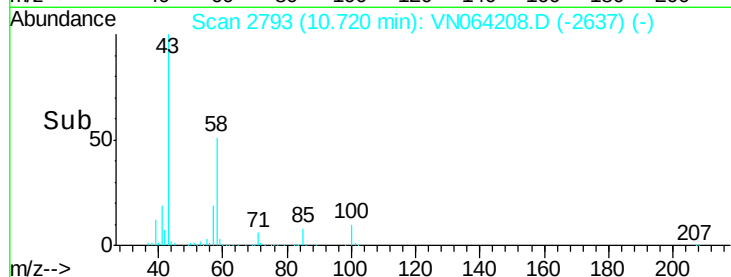
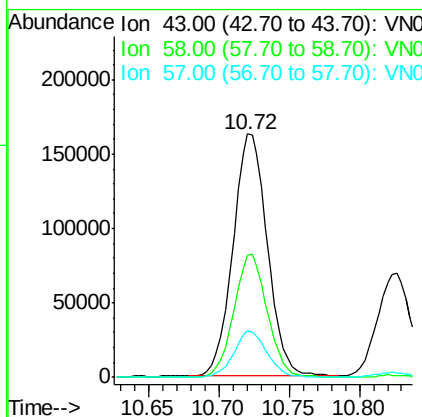
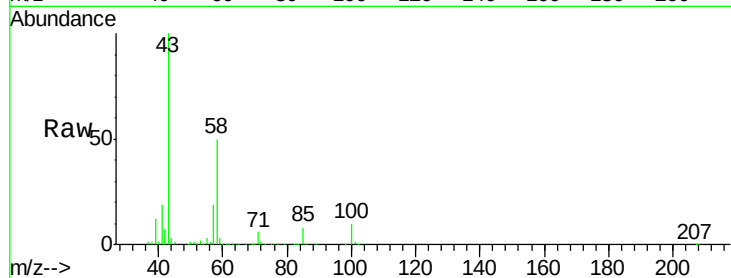
#59
2-Hexanone
Concen: 88.939 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN064208.D
Acq: 20 Oct 2020 20:15

Instrument :
MSVOA_N
ClientSampleId :
VN1020WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.3	40.2	60.4
57	18.3	14.8	22.2

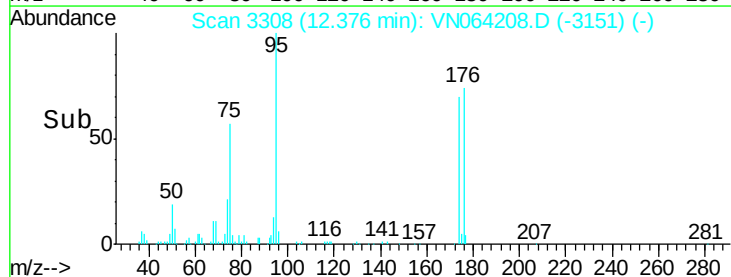
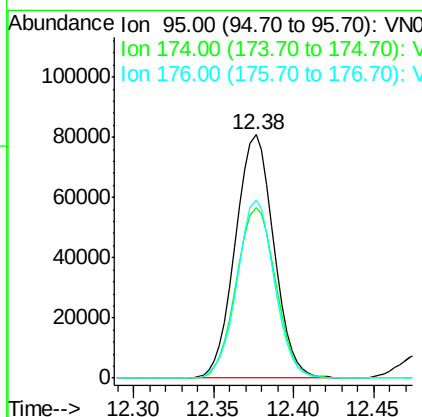
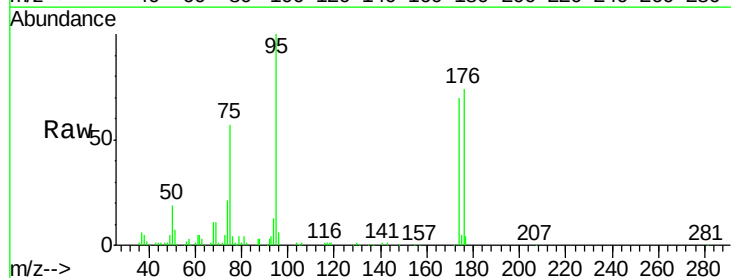
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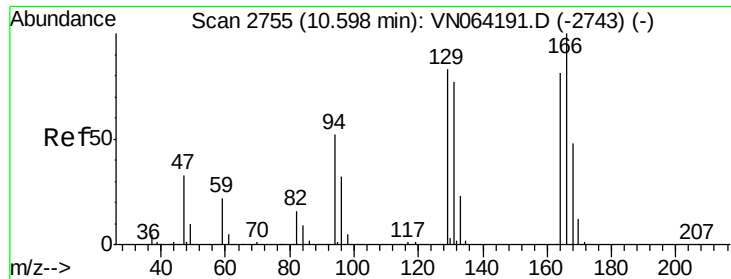
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 29.730 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064208.D
Acq: 20 Oct 2020 20:15

Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.1	57.6	86.4
176	71.1	54.9	82.3





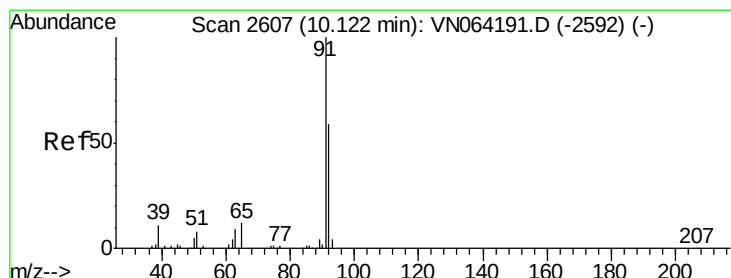
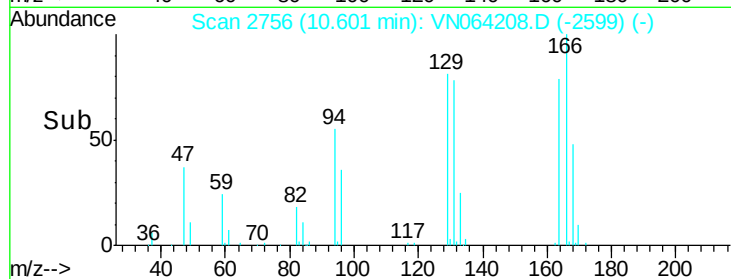
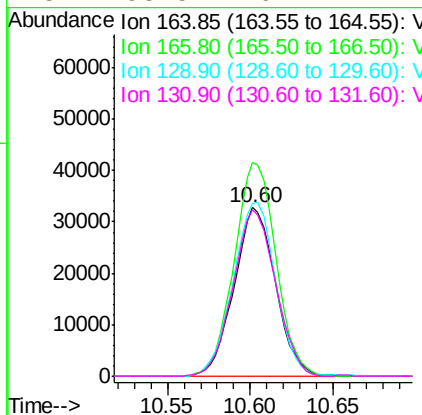
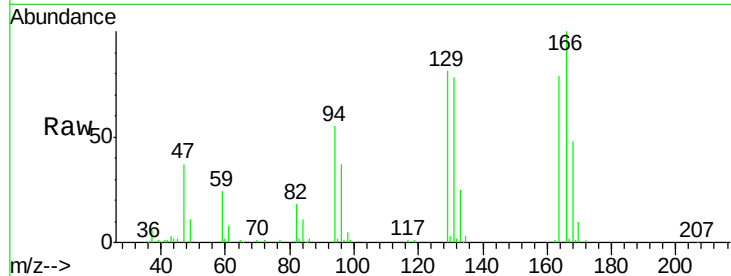
#61
Tetrachloroethene
Concen: 16.973 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064208.D
Acq: 20 Oct 2020 20:15

Instrument :
MSVOA_N
ClientSampleId :
VN1020WBSD02

Tot Ion	Ratio	Lower	Upper
164	100		
166	126.7	99.2	148.8
129	102.7	82.8	124.2
131	98.5	76.2	114.4

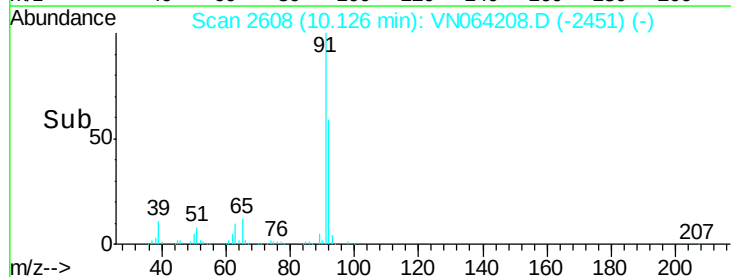
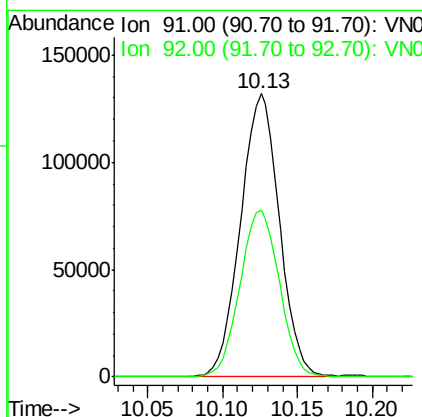
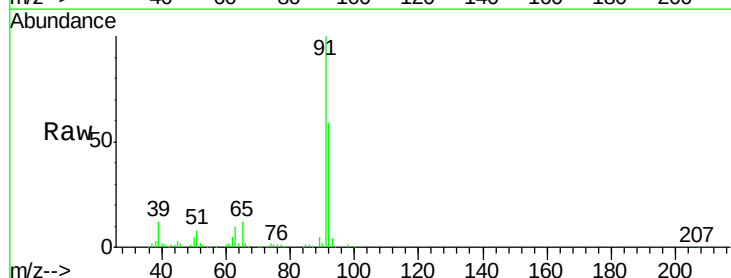
Manual Integrations
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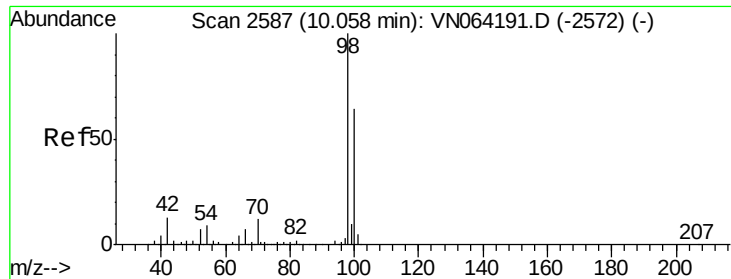
MMDadoda
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#62
Toluene
Concen: 16.816 ug/l
RT: 10.13 min Scan# 2608
Delta R.T. 0.00 min
Lab File: VN064208.D
Acq: 20 Oct 2020 20:15

Tgt Ion	Ratio	Lower	Upper
91	100		
92	59.7	46.8	70.2





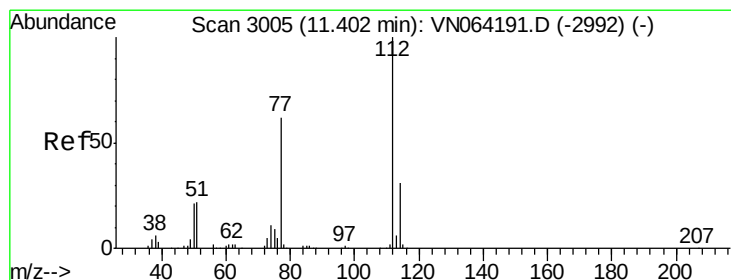
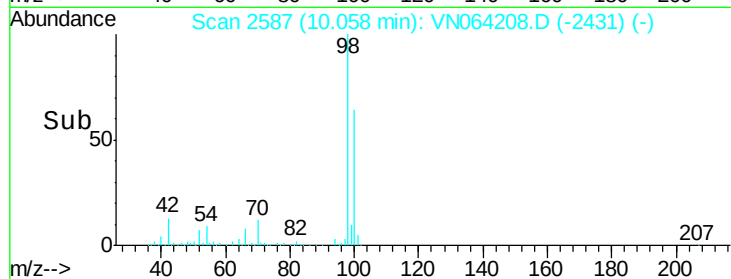
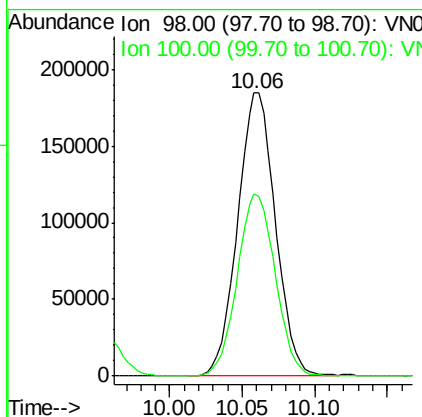
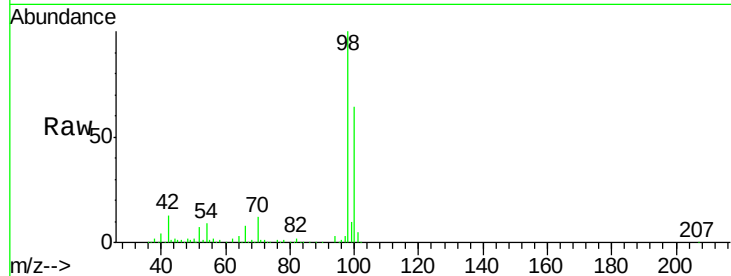
#63
Toluene-d8
Concen: 29.704 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN064208.D
Acq: 20 Oct 2020 20:15

Instrument :
MSVOA_N
ClientSampleId :
VN1020WBSD02

Tot Ion: 98 Resp: 334303
Ion Ratio Lower Upper
98 100
100 64.5 51.4 77.2

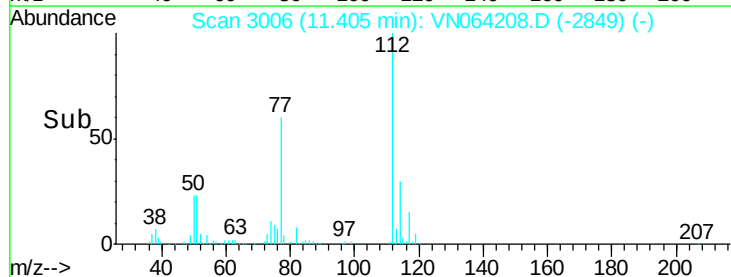
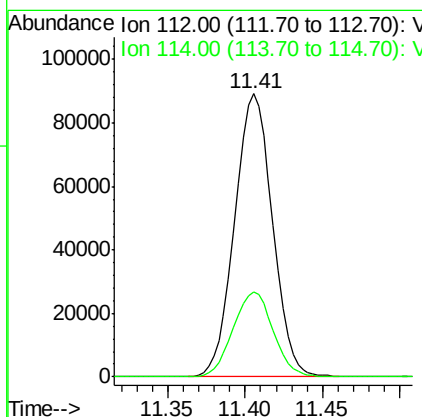
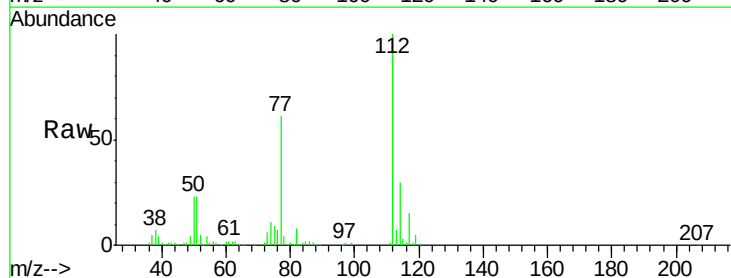
Manual Integrations
APPROVED

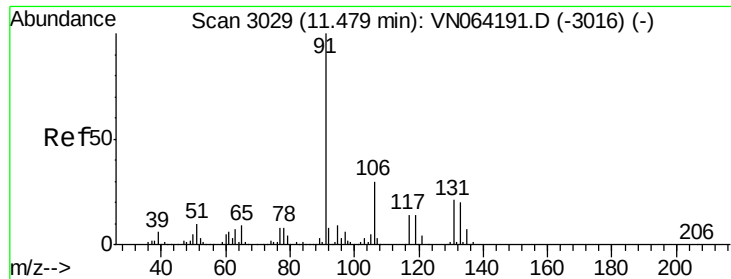
MMDadoda
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#64
Chlorobenzene
Concen: 17.139 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN064208.D
Acq: 20 Oct 2020 20:15

Tgt Ion: 112 Resp: 151690
Ion Ratio Lower Upper
112 100
114 30.1 25.1 37.7





#65

1,1,1,2-Tetrachloroethane

Concen: 17.480 ug/l

RT: 11.48 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN064208.D

Acq: 20 Oct 2020 20:15

Instrument :

MSVOA_N

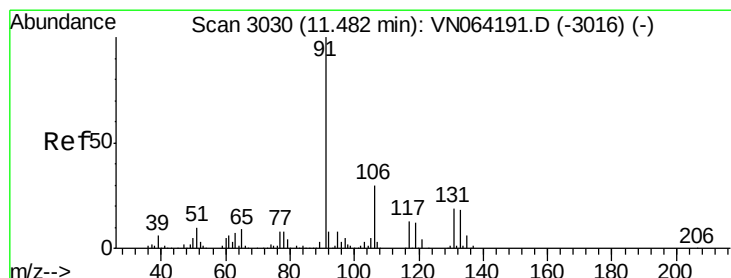
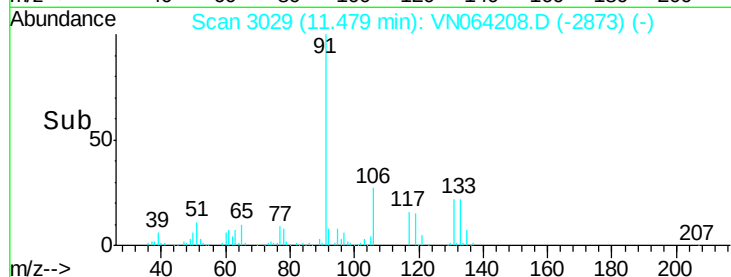
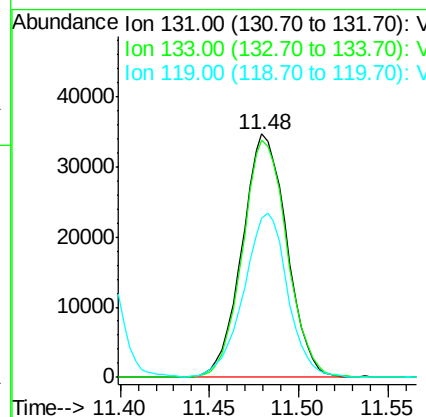
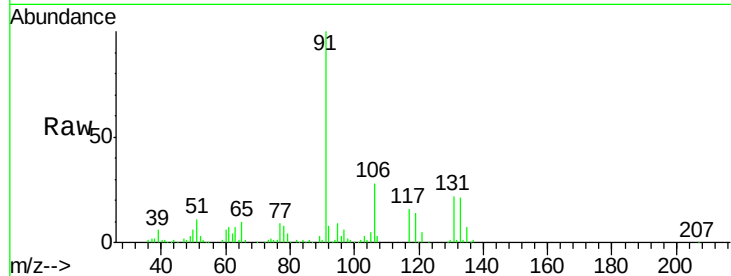
ClientSampleId :

VN1020WBSD02

Tot Ion:	131	Resp:	60613
Ion Ratio	Lower	Upper	
131	100		
133	97.1	0.0	193.0
119	66.4	0.0	132.2

Manual Integrations
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#66

Ethyl Benzene

Concen: 17.451 ug/l

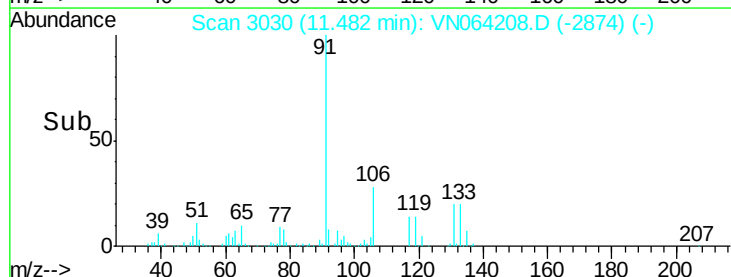
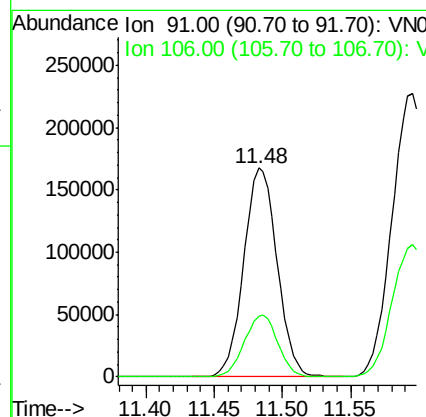
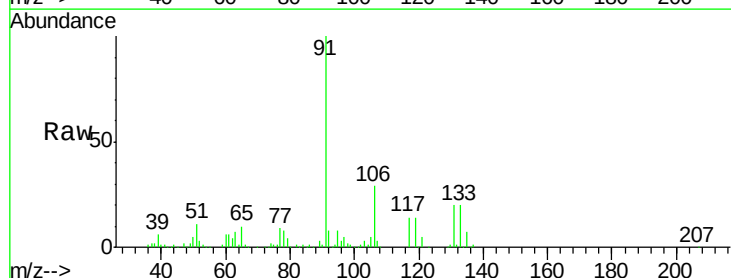
RT: 11.48 min Scan# 3030

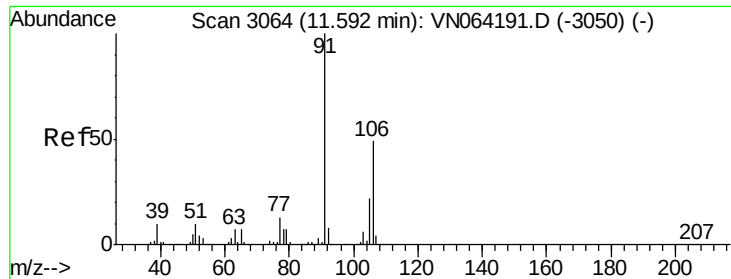
Delta R.T. 0.00 min

Lab File: VN064208.D

Acq: 20 Oct 2020 20:15

Tgt Ion:	91	Resp:	285133
Ion Ratio	Lower	Upper	
91	100		
106	29.2	23.9	35.9





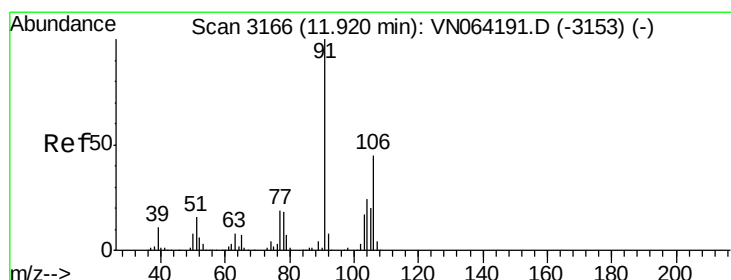
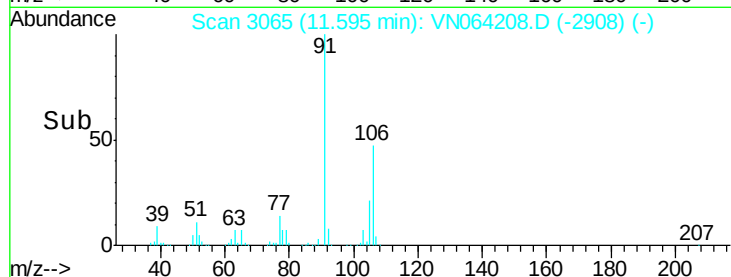
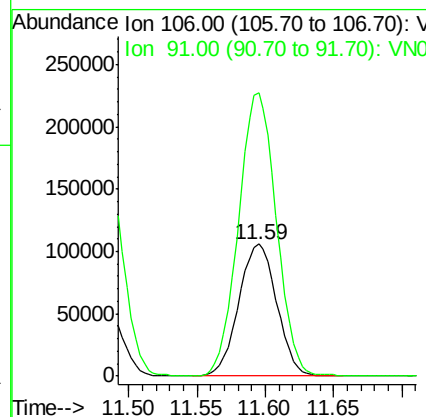
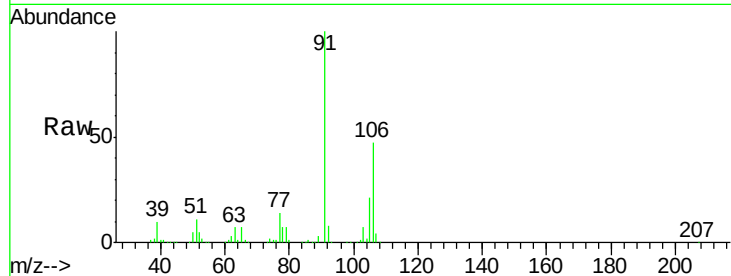
#67
m/p-Xylenes
Concen: 33.742 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN064208.D
Acq: 20 Oct 2020 20:15

Instrument :
MSVOA_N
ClientSampleId :
VN1020WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		205037		
91	212.1	167.9	251.9		

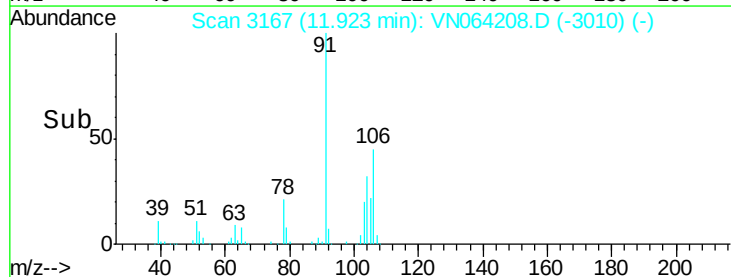
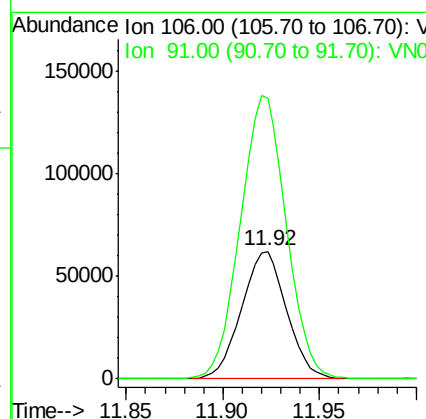
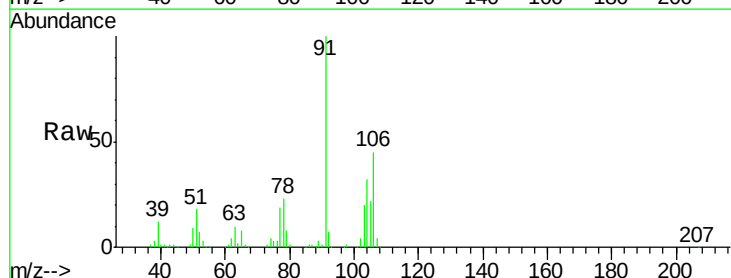
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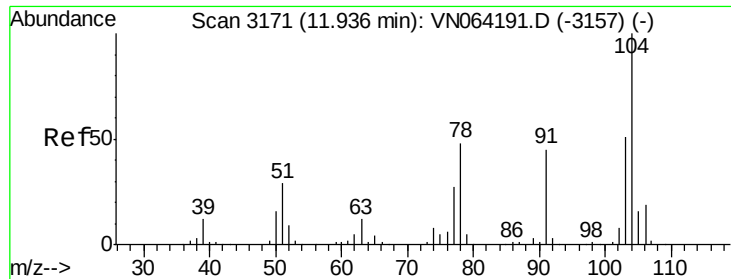
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#68
o-Xylene
Concen: 17.130 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN064208.D
Acq: 20 Oct 2020 20:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		101012		
91	225.9	113.9	341.7		





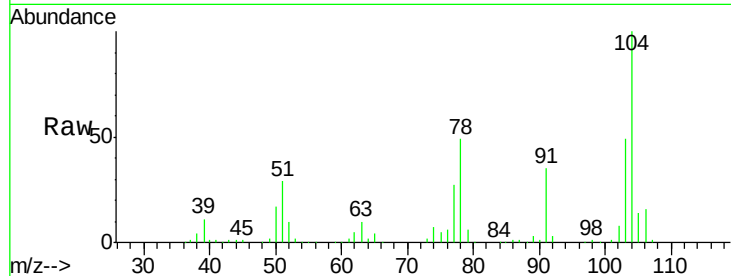
#69
Stvrene
Concen: 16.960 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN064208.D
Acq: 20 Oct 2020 20:15

Instrument :
MSVOA_N
ClientSampleId :
VN1020WBSD02

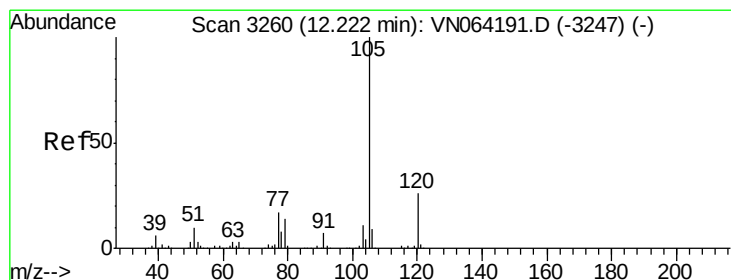
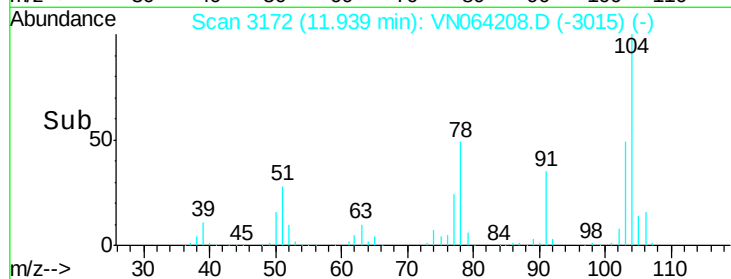
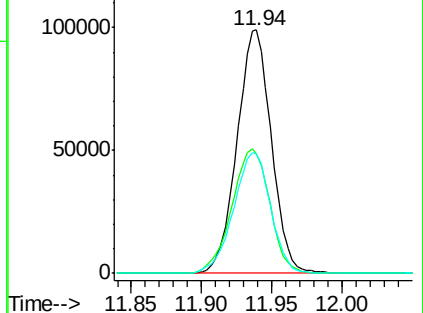
Tot Ion	Ratio	Lower	Upper
104	100		
78	56.2	43.6	65.4
103	53.2	44.8	67.2

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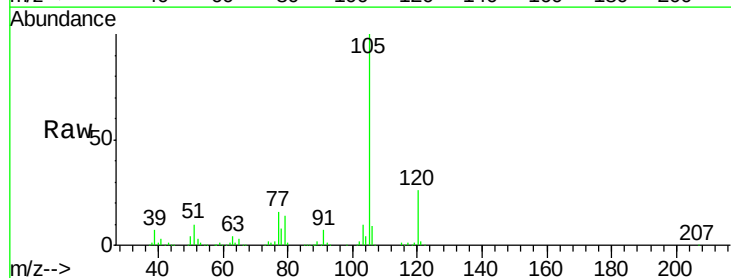


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

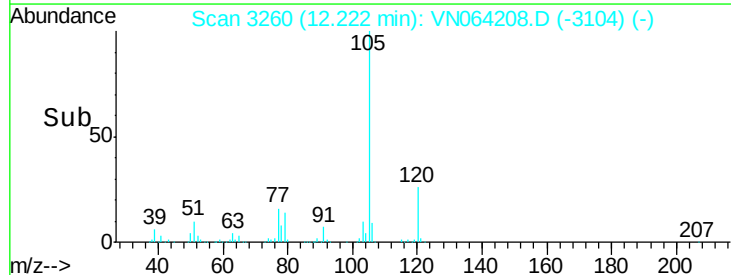
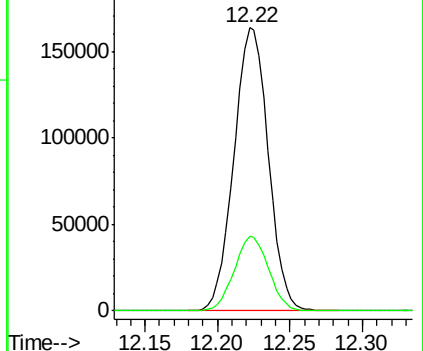


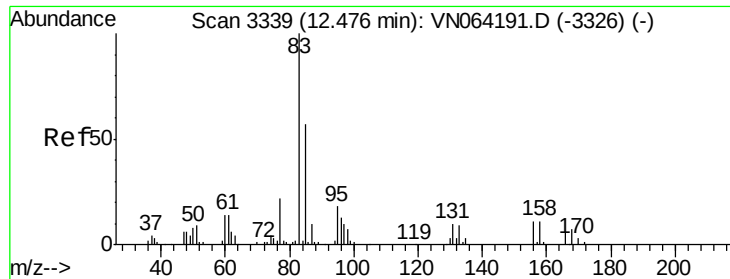
#70
Isopropylbenzene
Concen: 17.318 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. 0.00 min
Lab File: VN064208.D
Acq: 20 Oct 2020 20:15

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.1	18.1	33.7



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





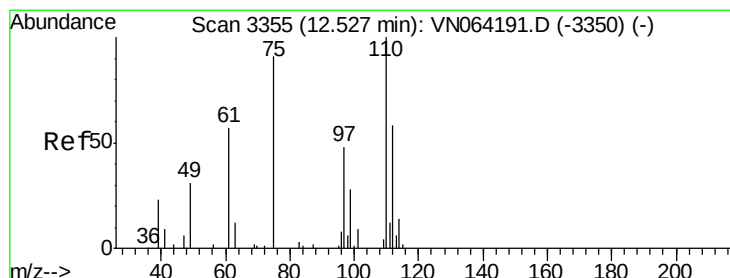
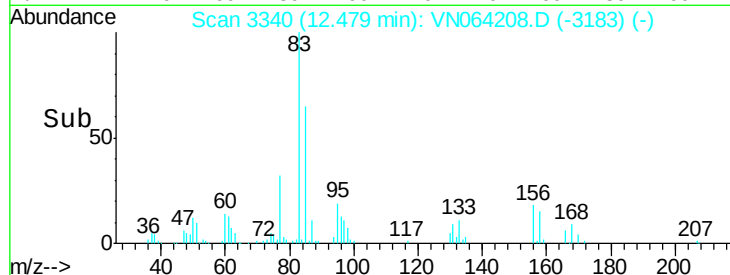
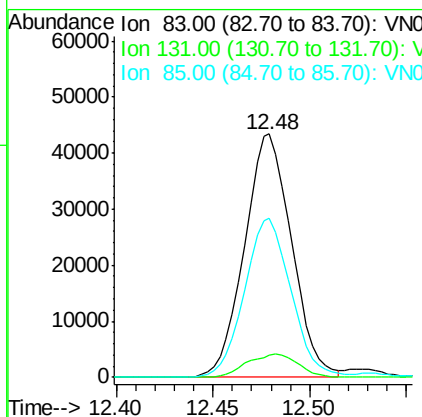
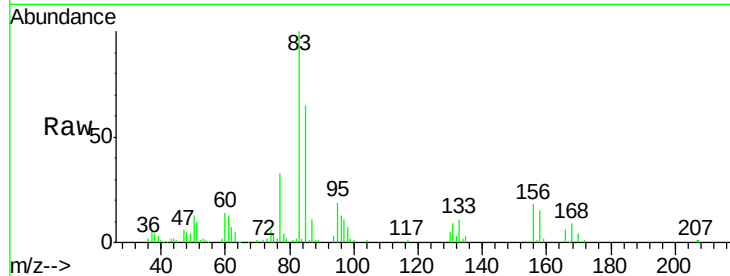
#71
 1,1,2,2-Tetrachloroethane
 Concen: 17.288 ug/l
 RT: 12.48 min Scan# 3340
 Delta R.T. 0.00 min
 Lab File: VN064208.D
 Acq: 20 Oct 2020 20:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1020WBSD02

Tot Ion	83	Resp	73778
Ion Ratio	100	Lower	Upper
83	100		
131	10.5	5.5	16.4
85	64.5	30.8	92.4

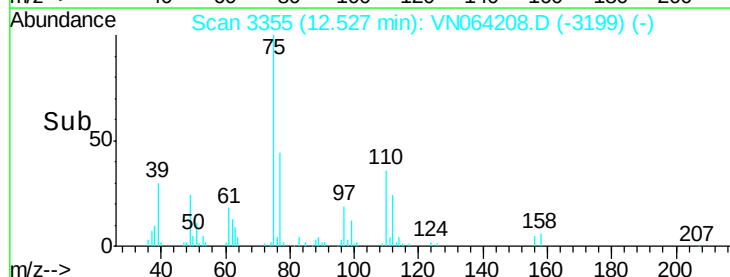
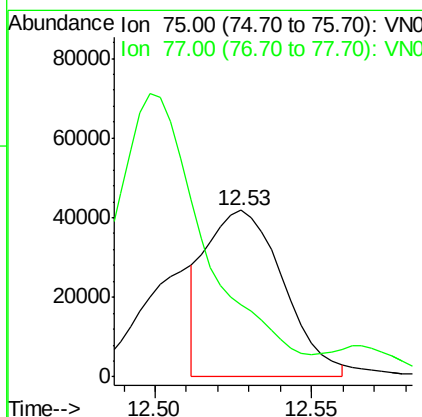
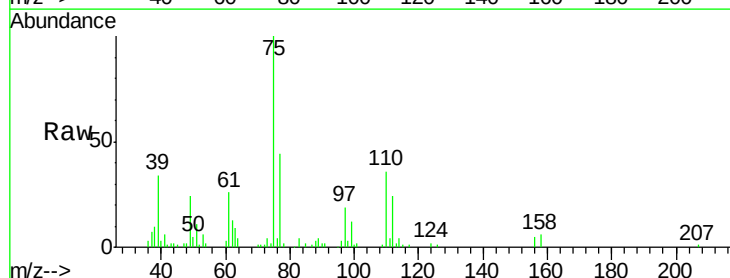
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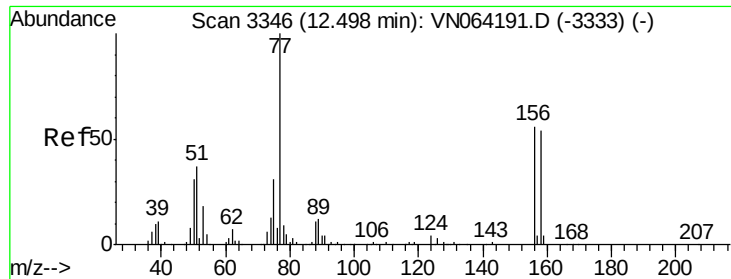
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#72
 1,2,3-Trichloropropane
 Concen: 16.100 ug/l m
 RT: 12.53 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VN064208.D
 Acq: 20 Oct 2020 20:15

Tgt Ion	75	Resp	71699
Ion Ratio	100	Lower	Upper
75	100		
77	203.5	0.0	417.6





#73

Bromobenzene

Concen: 17.165 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064208.D

Acq: 20 Oct 2020 20:15

Instrument :

MSVOA_N

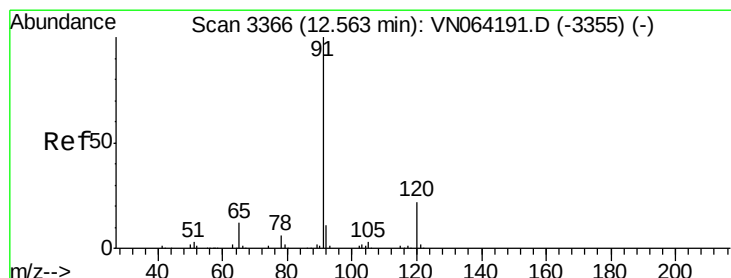
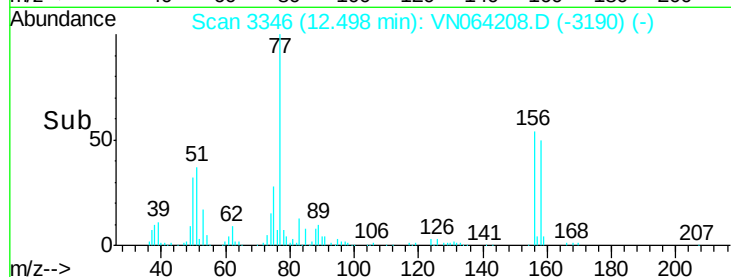
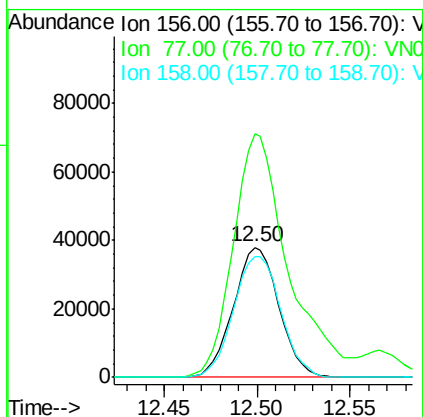
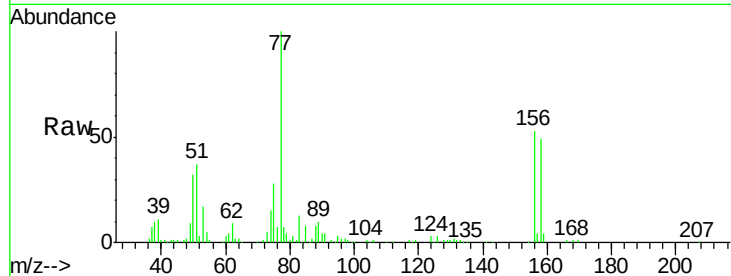
ClientSampleId :

VN1020WBSD02

Tot Ion:	156	Resp:	64461
Ion Ratio	Lower	Upper	
156	100		
77	226.3	0.0	429.8
158	96.8	0.0	190.6

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#74

n-propylbenzene

Concen: 16.981 ug/l

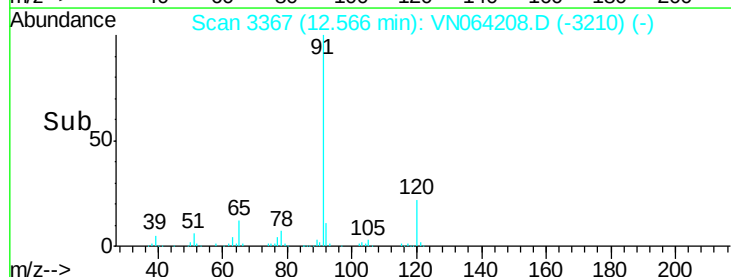
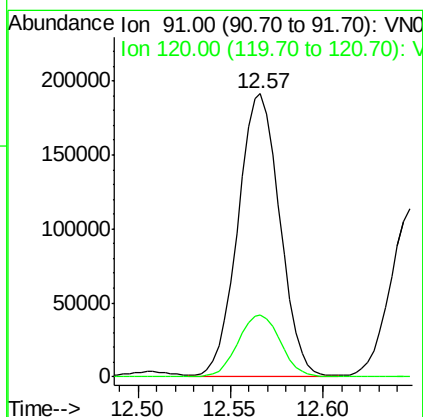
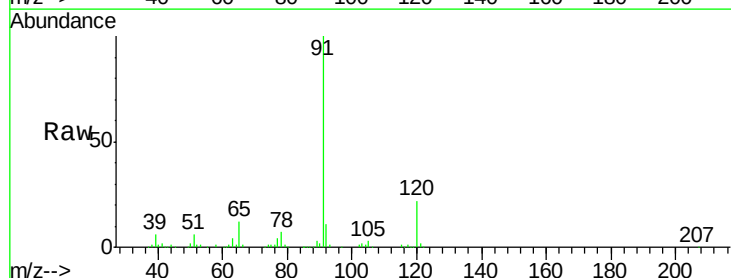
RT: 12.57 min Scan# 3367

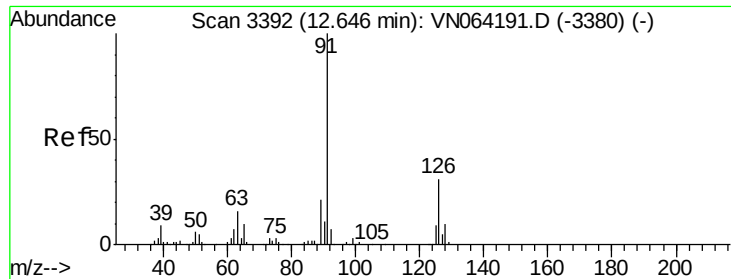
Delta R.T. 0.00 min

Lab File: VN064208.D

Acq: 20 Oct 2020 20:15

Tgt Ion:	91	Resp:	301828
Ion Ratio	Lower	Upper	
91	100		
120	22.0	0.0	43.8





#75

2-Chlorotoluene

Concen: 17.283 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN064208.D

Acq: 20 Oct 2020 20:15

Instrument :

MSVOA_N

ClientSampleId :

VN1020WBSD02

Tot Ion: 91 Resp: 190166

Ion Ratio Lower Upper

91 100

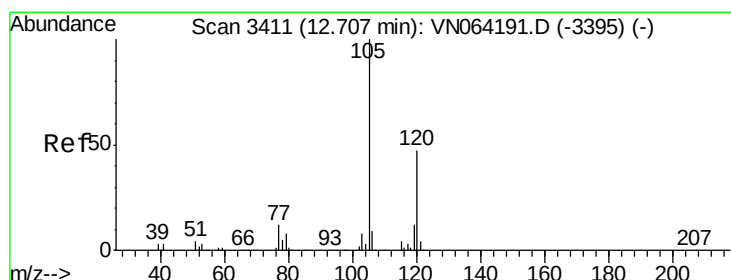
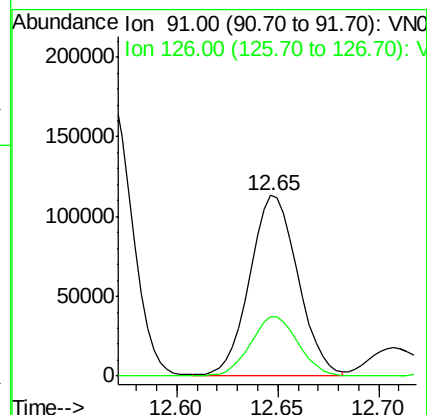
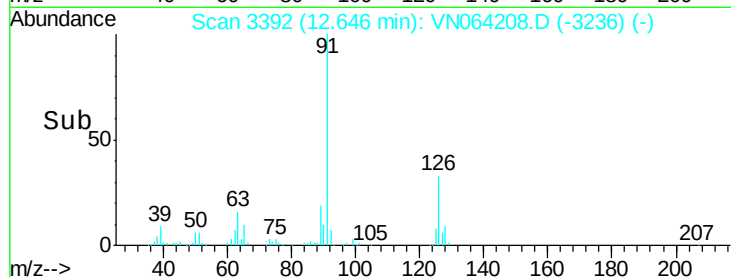
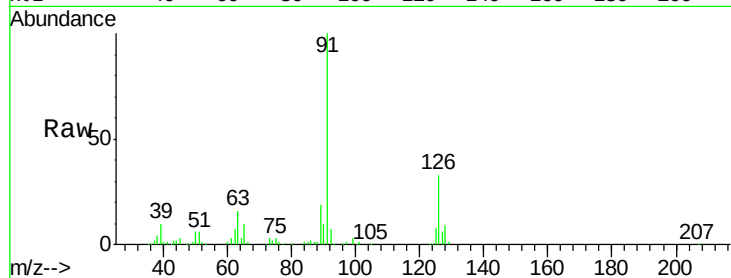
126 32.6 0.0 62.4

Manual Integrations

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#76

1,3,5-Trimethylbenzene

Concen: 17.154 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064208.D

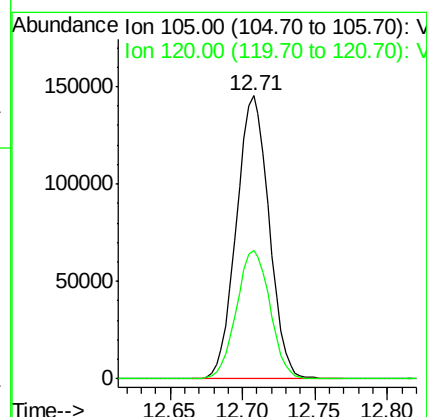
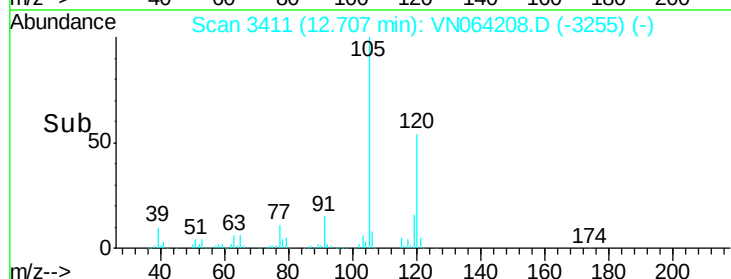
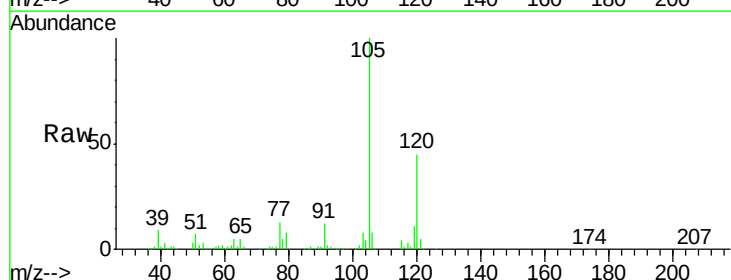
Acq: 20 Oct 2020 20:15

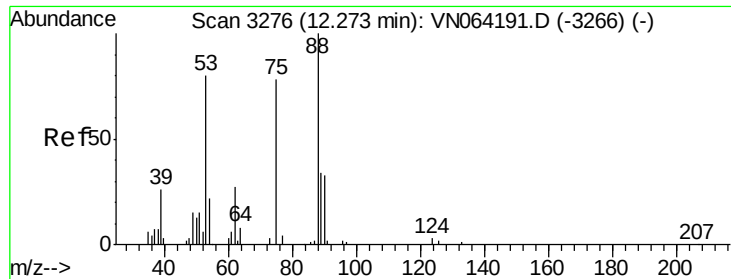
Tgt Ion: 105 Resp: 227325

Ion Ratio Lower Upper

105 100

120 46.6 0.0 95.0





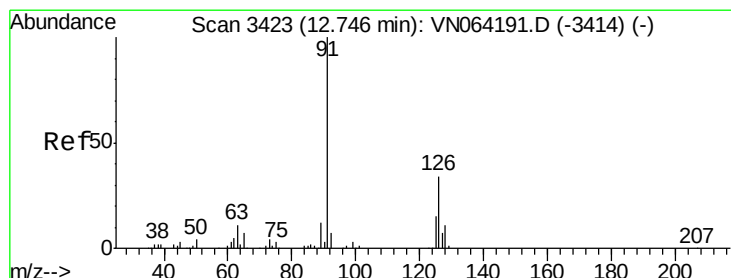
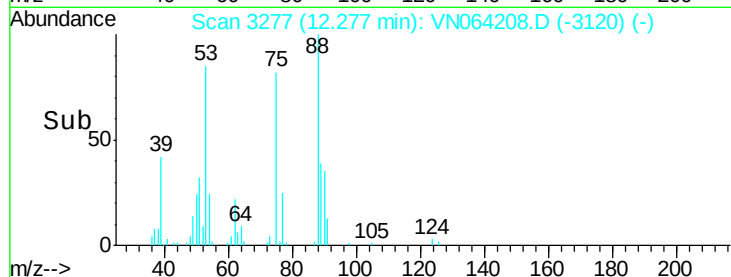
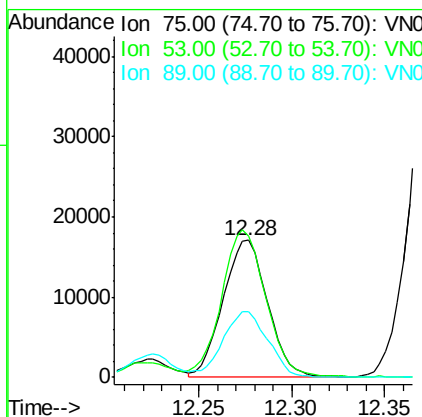
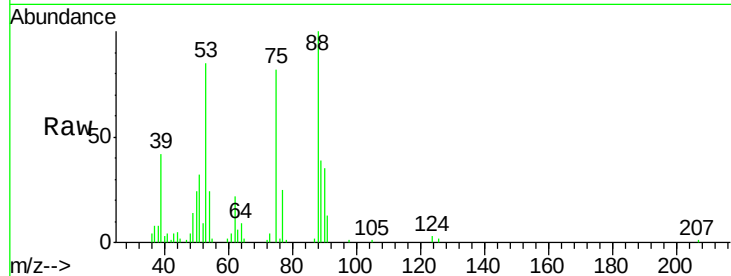
#77
t-1,4-Dichloro-2-butene
Concen: 16.428 ug/l
RT: 12.28 min Scan# 3277
Delta R.T. 0.00 min
Lab File: VN064208.D
Acq: 20 Oct 2020 20:15

Instrument :
MSVOA_N
ClientSampleId :
VN1020WBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
53	102.2	51.4	154.2
89	48.0	23.8	71.5

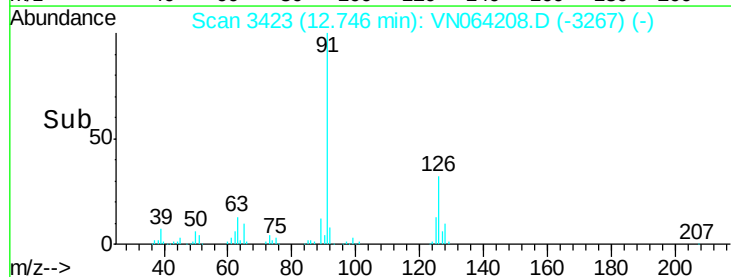
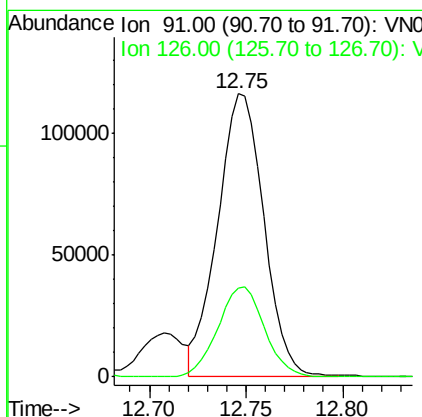
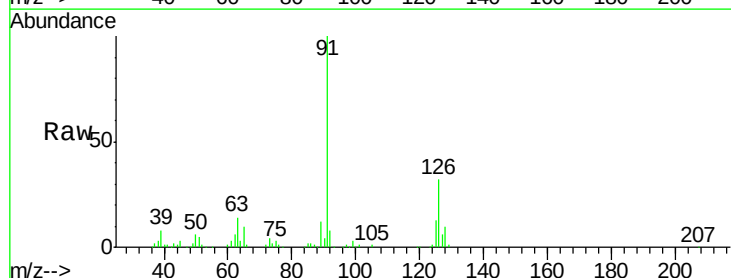
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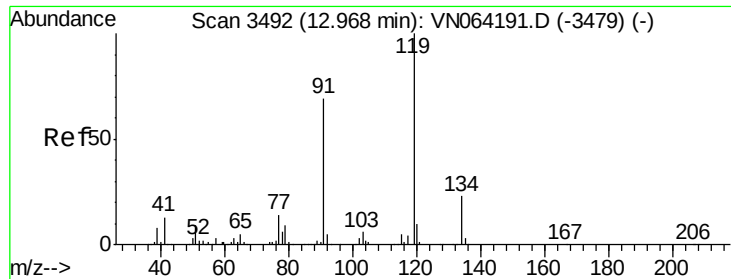
MMDadoda
10/23/2020 2:29:02 PM



#78
4-Chlorotoluene
Concen: 16.772 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN064208.D
Acq: 20 Oct 2020 20:15

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.2	0.0	63.2





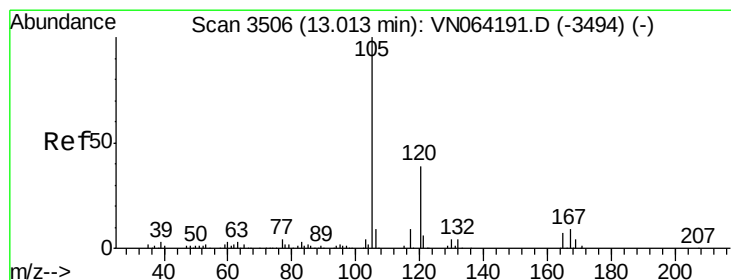
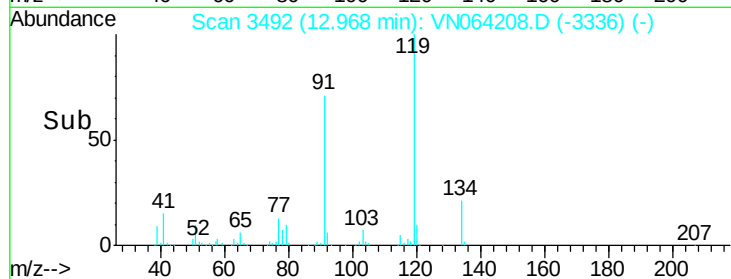
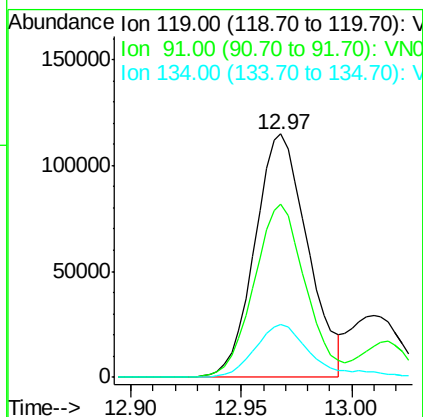
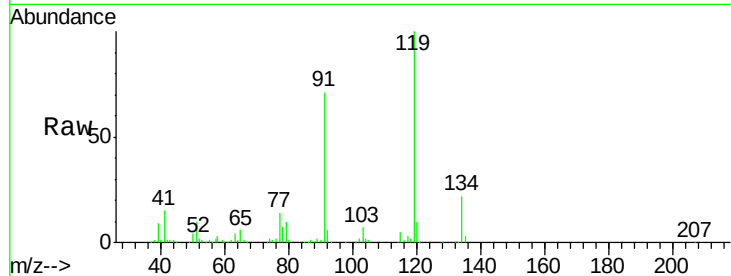
#79
tert-butylbenzene
Concen: 17.591 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN064208.D
Acq: 20 Oct 2020 20:15

Instrument :
MSVOA_N
ClientSampleId :
VN1020WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	190575		
91	69.9	0.0	143.2	
134	22.0	0.0	49.2	

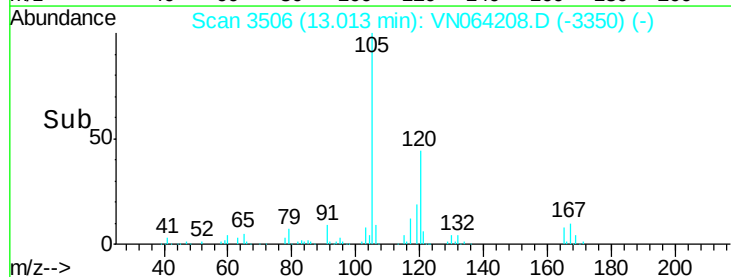
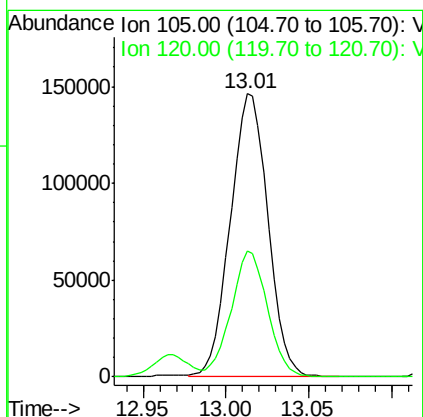
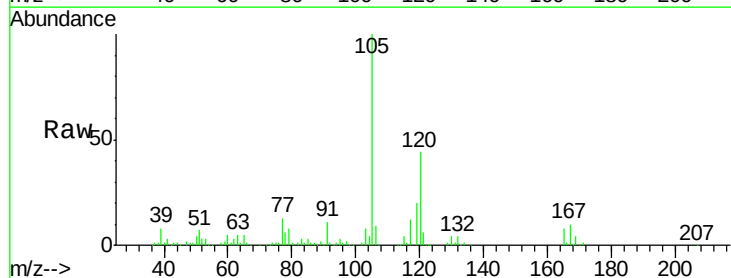
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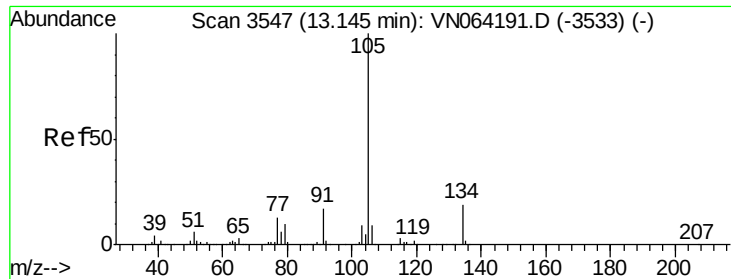
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#80
1,2,4-Trimethylbenzene
Concen: 17.161 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN064208.D
Acq: 20 Oct 2020 20:15

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	230856		
120	43.0	0.0	85.8	





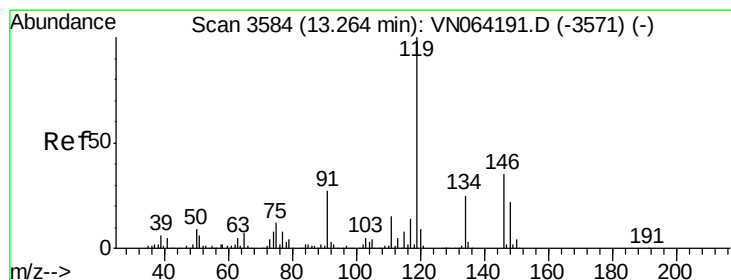
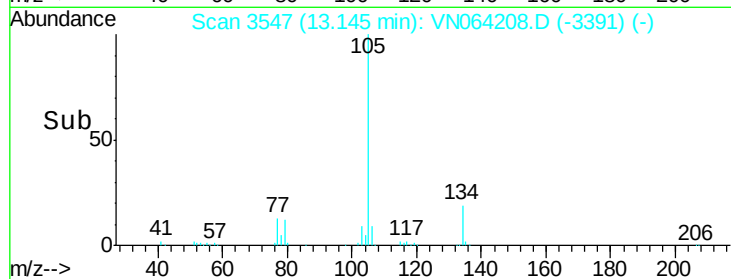
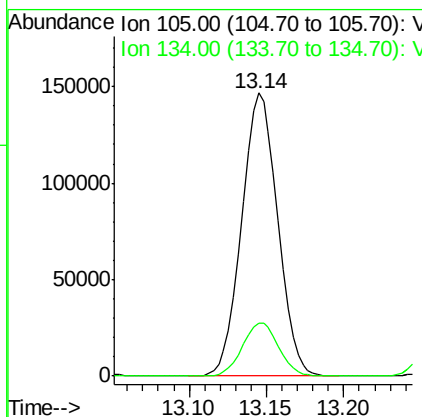
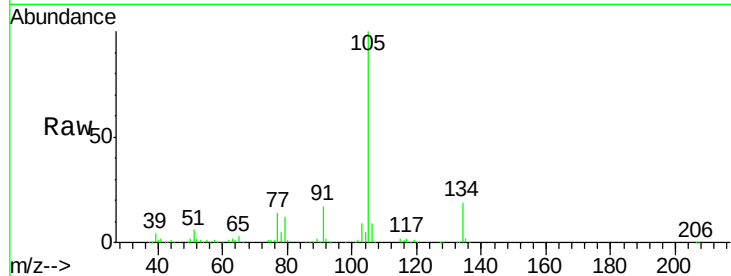
#81
 sec-Butylbenzene
 Concen: 16.853 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN064208.D
 Acq: 20 Oct 2020 20:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1020WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
105	100	237561		
134	19.0	0.0	38.4	

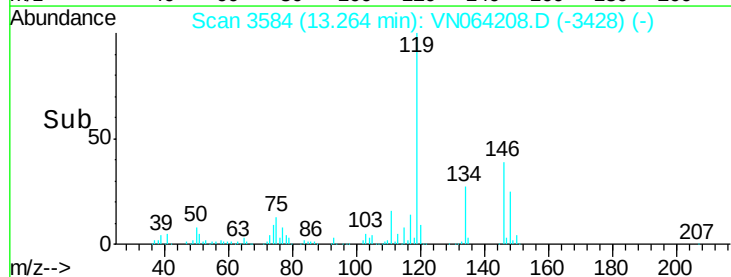
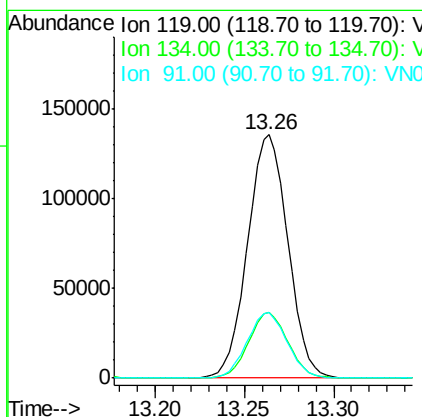
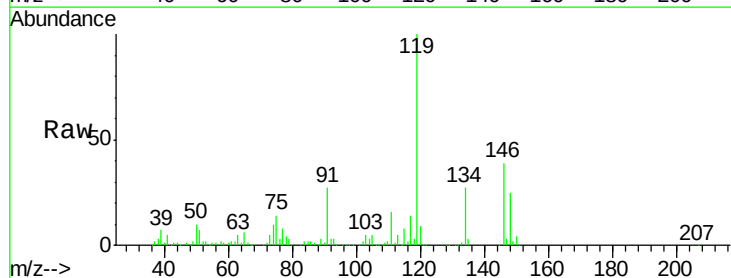
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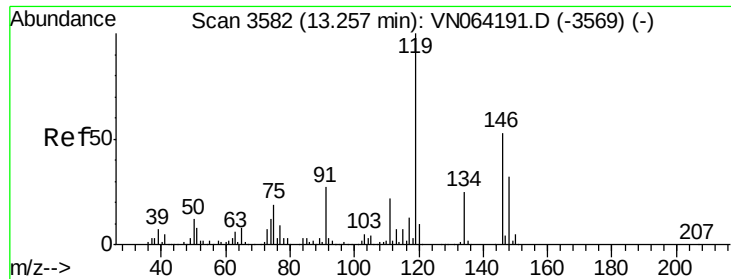
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#82
 p-Isopropyltoluene
 Concen: 16.473 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN064208.D
 Acq: 20 Oct 2020 20:15

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	214910		
134	26.3	0.0	51.4	
91	26.8	0.0	52.8	





#83

1,3-Dichlorobenzene

Concen: 16.465 ug/l

RT: 13.26 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN064208.D

Acq: 20 Oct 2020 20:15

Instrument :

MSVOA_N

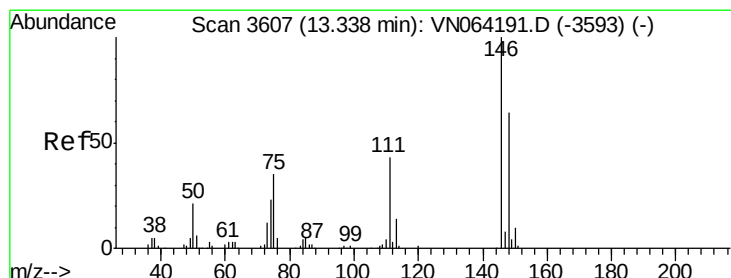
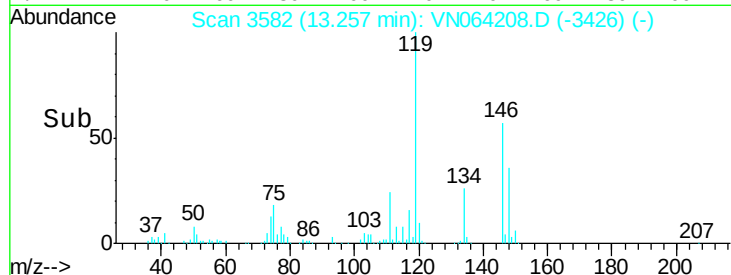
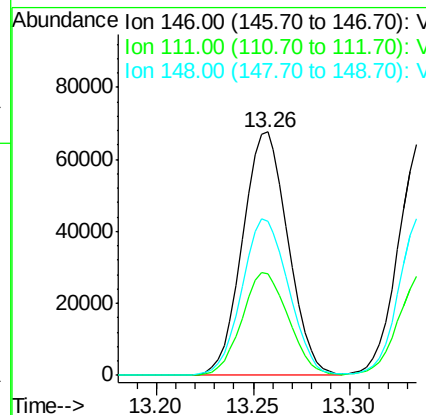
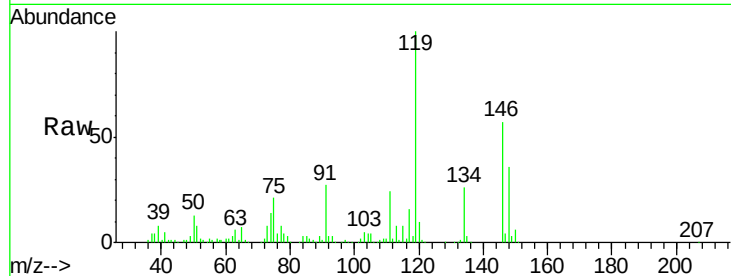
ClientSampleId :

VN1020WBSD02

Tot Ion:	146	Resp:	110835
Ion Ratio	Lower	Upper	
146	100		
111	43.0	21.8	65.4
148	65.7	31.4	94.2

Manual Integrations
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#84

1,4-Dichlorobenzene

Concen: 16.401 ug/l

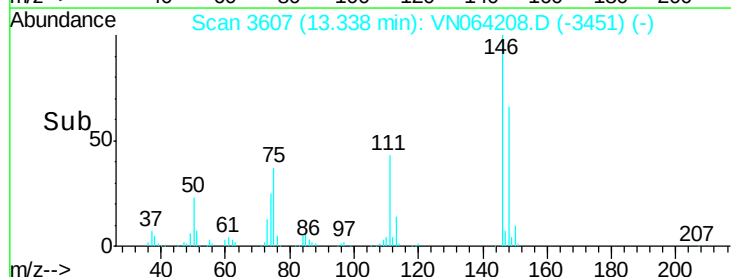
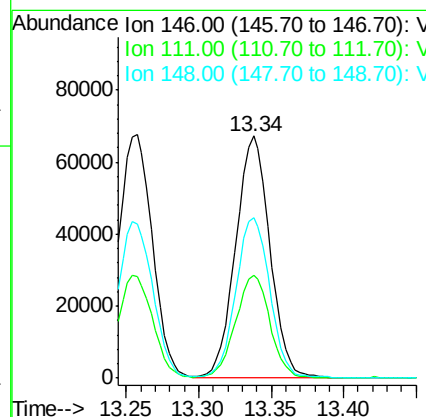
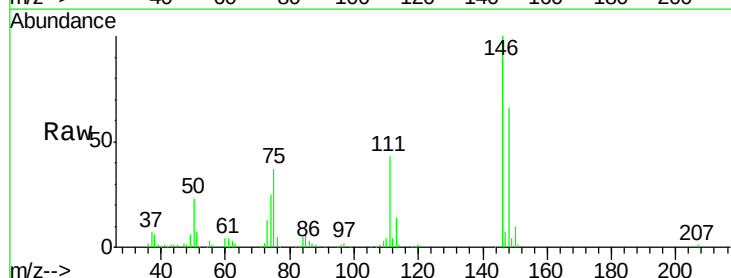
RT: 13.34 min Scan# 3607

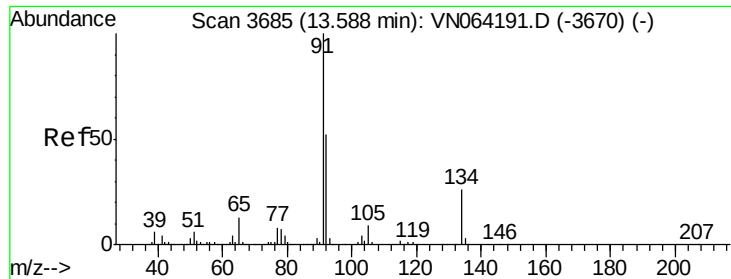
Delta R.T. 0.00 min

Lab File: VN064208.D

Acq: 20 Oct 2020 20:15

Tgt Ion:	146	Resp:	110534
Ion Ratio	Lower	Upper	
146	100		
111	41.9	20.9	62.8
148	65.8	30.9	92.7





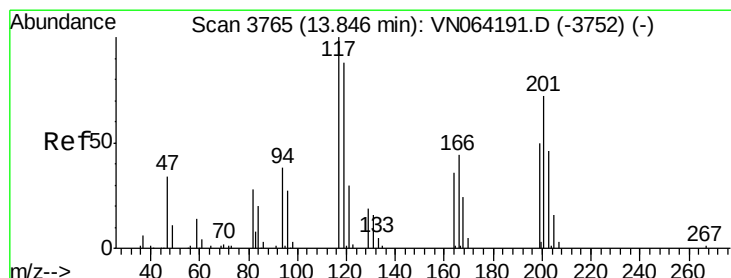
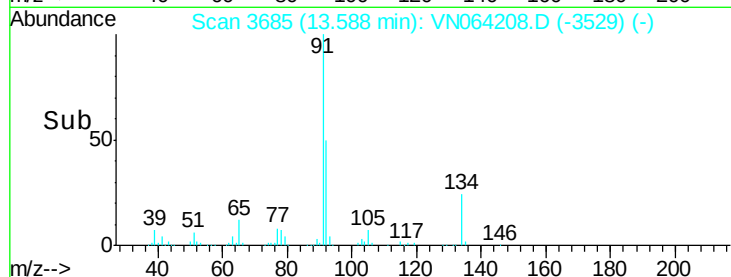
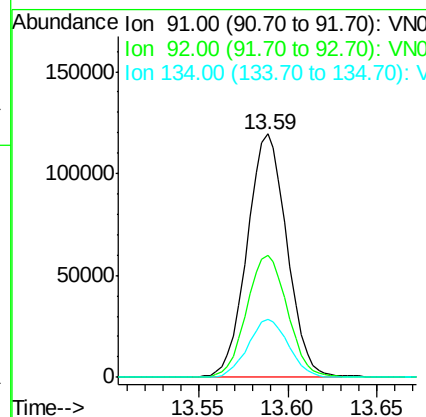
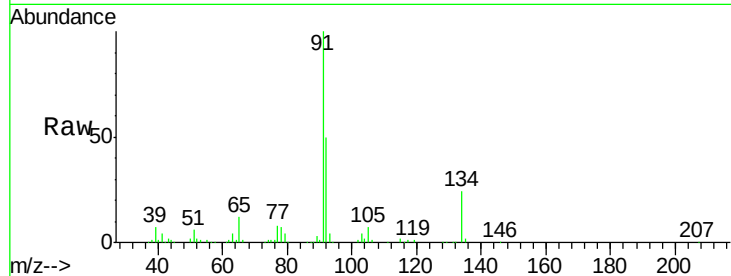
#85
n-Butylbenzene
Concen: 16.135 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN064208.D
Acq: 20 Oct 2020 20:15

Instrument :
MSVOA_N
ClientSampleId :
VN1020WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
91	100	186861		
92	51.4	0.0	104.8	
134	24.3	0.0	49.8	

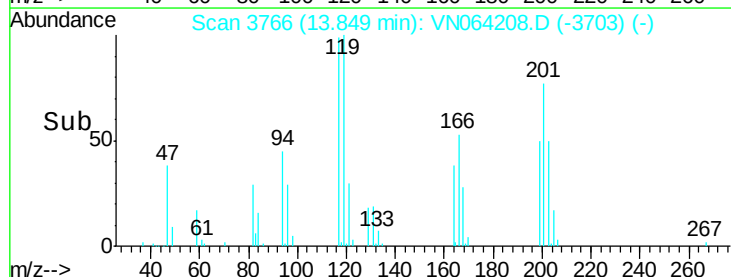
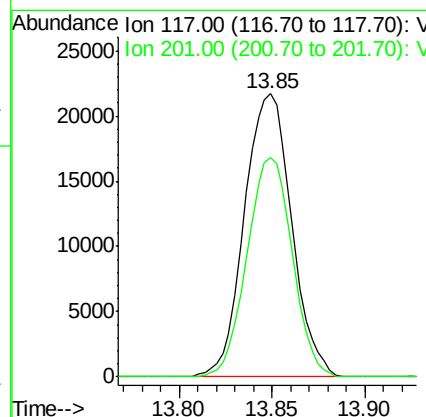
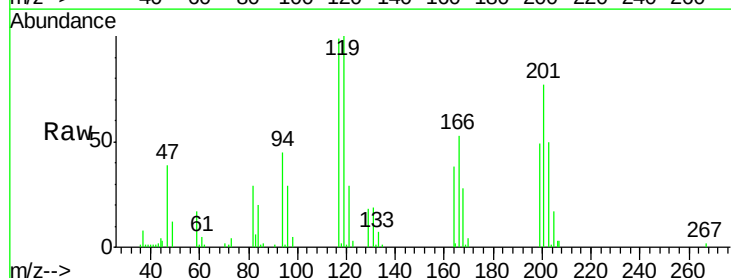
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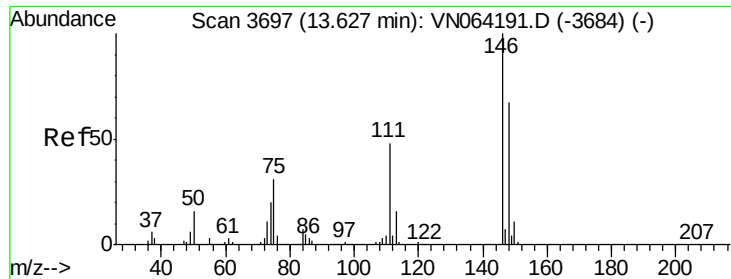
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#86
Hexachloroethane
Concen: 17.073 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN064208.D
Acq: 20 Oct 2020 20:15

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	38346		
201	74.2	37.5	112.3	





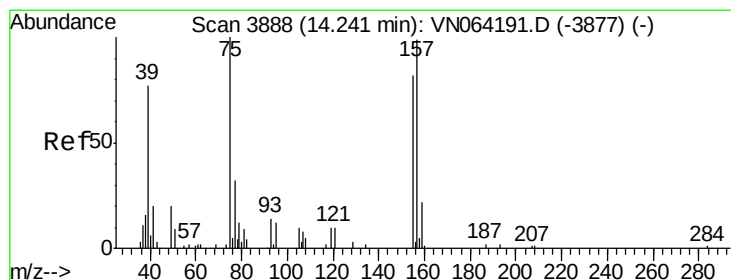
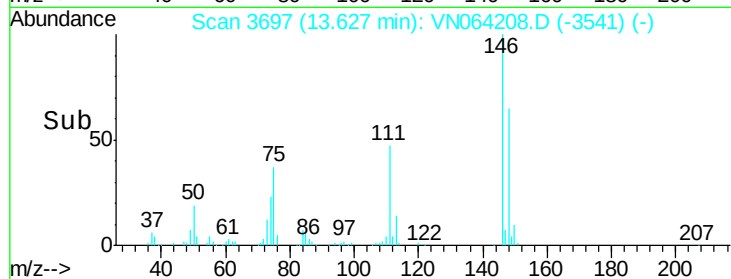
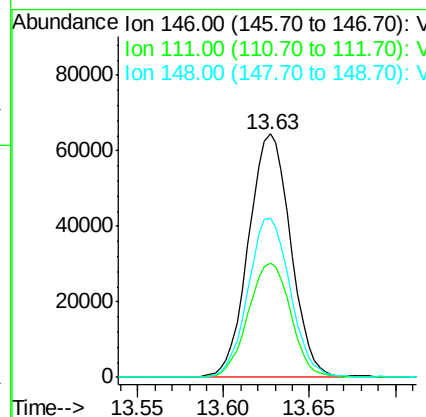
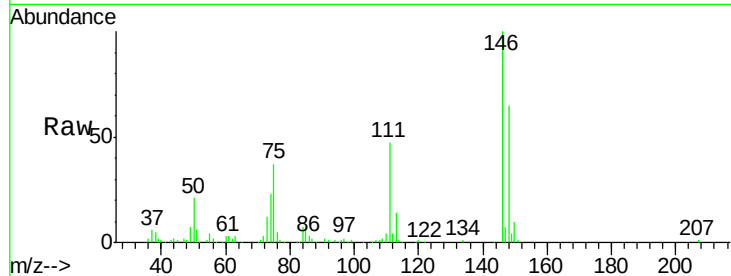
#87
 1,2-Dichlorobenzene
 Concen: 16.661 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064208.D
 Acq: 20 Oct 2020 20:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1020WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.5	22.6	67.8
148	65.7	32.6	97.8

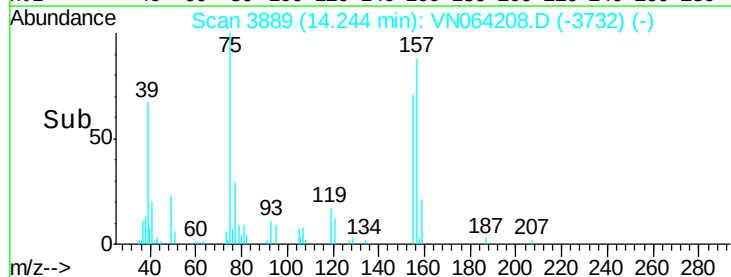
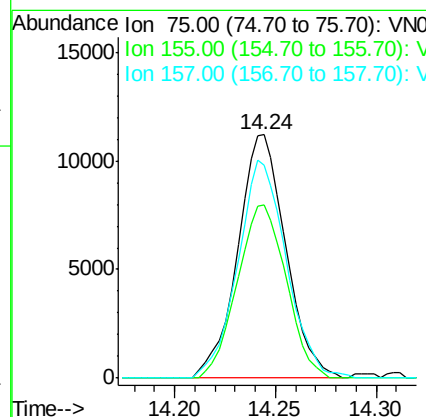
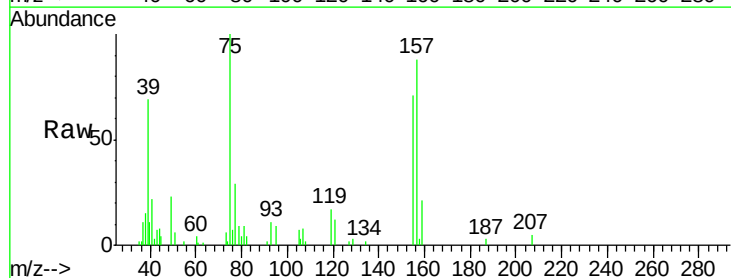
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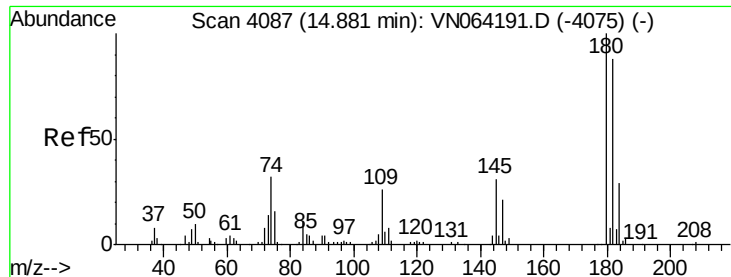
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 17.280 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN064208.D
 Acq: 20 Oct 2020 20:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.4	61.1	91.7
157	90.5	76.5	114.7





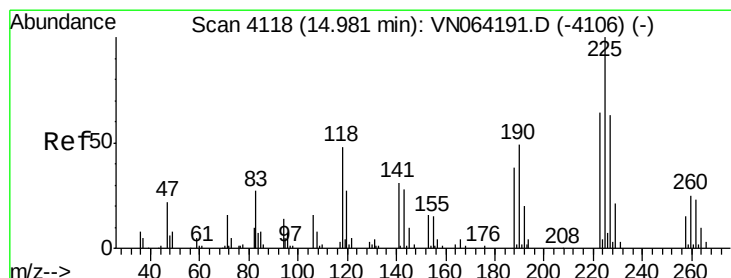
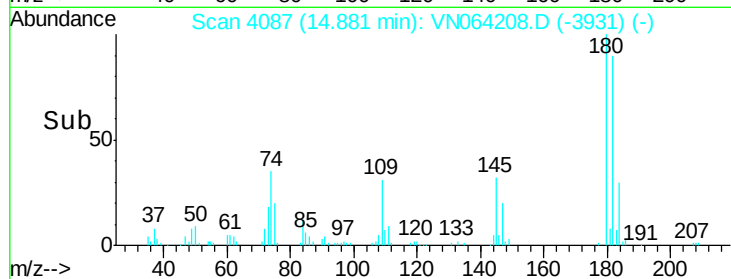
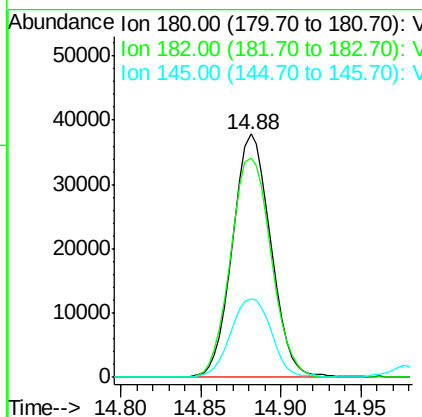
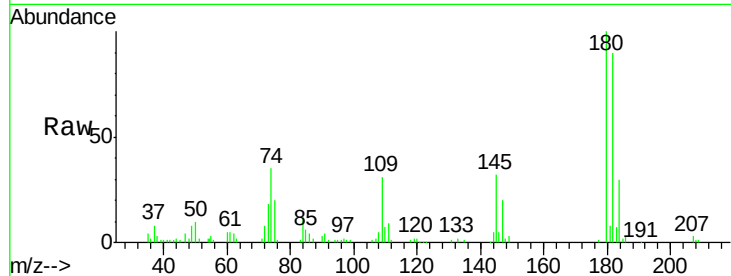
#89
 1,2,4-Trichlorobenzene
 Concen: 15.604 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN064208.D
 Acq: 20 Oct 2020 20:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1020WBSD02

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	73.0	109.4
145	34.2	24.3	36.5

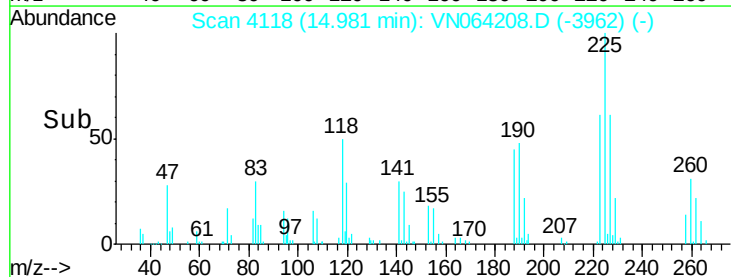
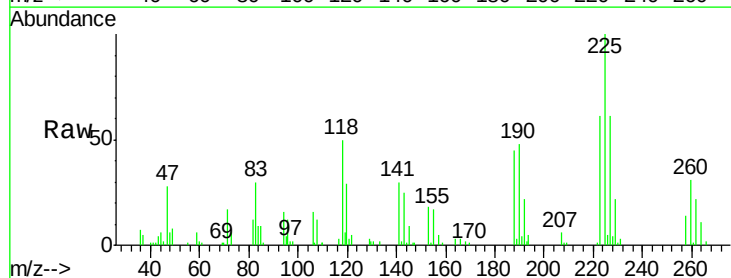
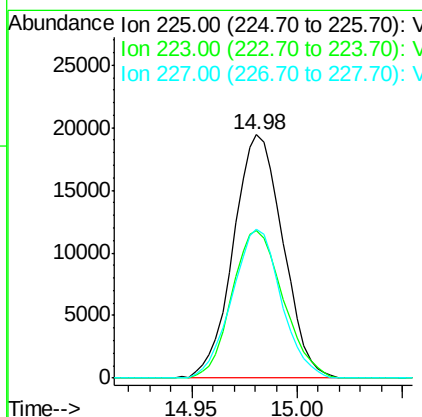
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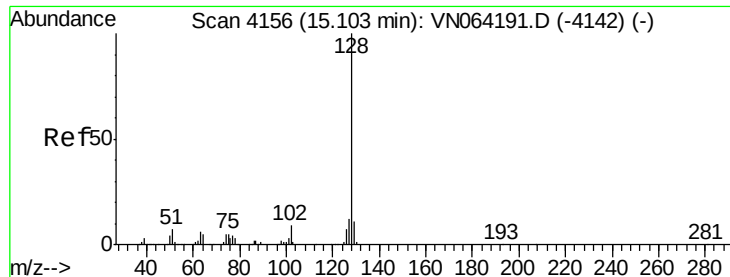
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#90
 Hexachlorobutadiene
 Concen: 15.880 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN064208.D
 Acq: 20 Oct 2020 20:15

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	0.0	127.0
227	60.6	0.0	129.4





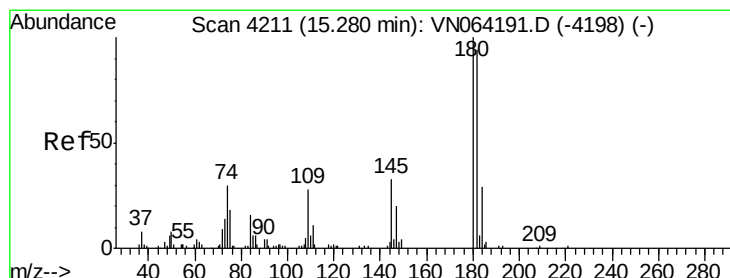
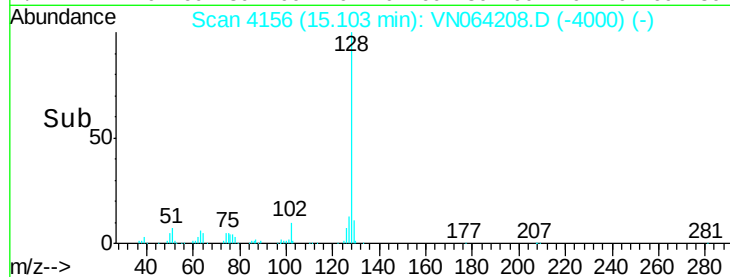
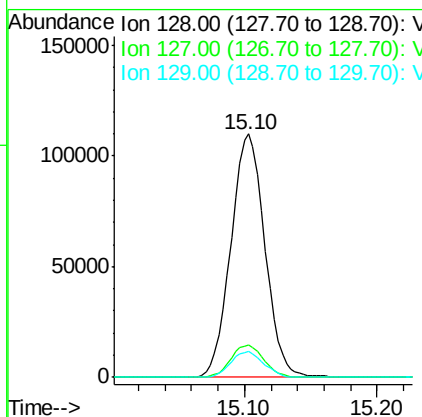
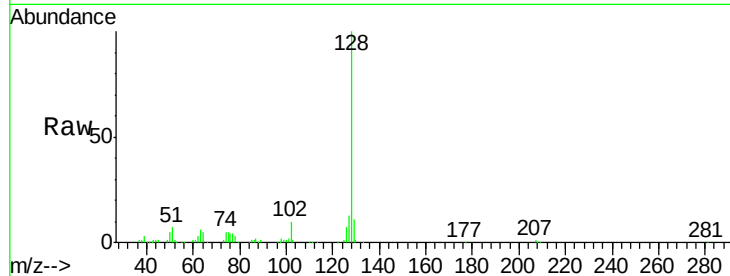
#91
Naphthalene
Concen: 16.368 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN064208.D
Acq: 20 Oct 2020 20:15

Instrument :
MSVOA_N
ClientSampleId :
VN1020WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
128	100	195595		
127	13.0		10.1	15.1
129	10.3		8.7	13.1

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#92
1,2,3-Trichlorobenzene
Concen: 16.325 ug/l
RT: 15.28 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN064208.D
Acq: 20 Oct 2020 20:15

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	61550		
182	94.4		0.0	190.0
145	33.1		0.0	66.6

