

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100920\
 Data File : VN064034.D
 Acq On : 9 Oct 2020 13:36
 Operator : JC/MD
 Sample : VN1009WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1009WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/12/2020 2:10:06 PM

Quant Time: Oct 10 01:46:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N100620W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 06 16:42:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	46007	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	241543	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	229379	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	121856	29.49	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.30%
60) 4-Bromofluorobenzene	12.37	95	114756	29.25	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.50%
63) Toluene-d8	10.06	98	317016	30.50	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.67%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	60580	19.454	ug/l 98
3) Chloromethane	2.04	50	64867	20.130	ug/l 98
4) Vinyl Chloride	2.17	62	60424	18.849	ug/l 98
5) Bromomethane	2.54	94	35664	17.285	ug/l 94
6) Chloroethane	2.68	64	36578	18.188	ug/l 99
7) Trichlorofluoromethane	2.98	101	92506	18.280	ug/l 99
8) Diethyl Ether	3.37	74	30766	18.776	ug/l 89
9) 1,1,2-Trichlorotrifluoroet	3.73	101	49829	18.950	ug/l 92
10) 1,1-Dichloroethene	3.70	96	46458	18.818	ug/l 89
11) Methyl Iodide	3.91	142	56080	17.803	ug/l 93
12) Methyl Acetate	4.28	43	57774	19.015	ug/l 93
13) Acrolein	3.57	56	20056	67.816	ug/l 98
14) Acrylonitrile	4.93	53	110077	88.116	ug/l 89
15) Acetone	3.77	58	36423	100.725	ug/l # 65
16) Carbon Disulfide	4.01	76	135293	18.479	ug/l 97
17) Allyl chloride	4.28	41	94968	20.668	ug/l 90
18) Methylene Chloride	4.50	84	55408	18.724	ug/l # 90
19) trans-1,2-Dichloroethene	4.99	96	51500	18.468	ug/l 94
20) Diisopropyl ether	5.90	45	175545	19.005	ug/l # 85
21) 1,1-Dichloroethane	5.79	63	105206m	18.814	ug/l
22) cis-1,2-Dichloroethene	6.78	96	57496	18.162	ug/l 89
23) tert-Butyl Alcohol	4.72	59	39707	74.101	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	147510m	17.810	ug/l
25) Chloroform	7.33	83	108134	18.442	ug/l 99
26) Cyclohexane	7.61	56	73429	18.230	ug/l # 100
29) 1,1-Dichloropropene	7.75	75	77537	18.331	ug/l 96
30) 2-Butanone	6.78	43	180657	87.078	ug/l 95
31) 2,2-Dichloropropane	6.78	77	91127	18.026	ug/l 94
32) 1,1,1-Trichloroethane	7.53	97	98132	18.185	ug/l 98
33) Carbon Tetrachloride	7.73	117	85400	18.063	ug/l 97
34) Benzene	8.00	78	223633	18.595	ug/l 97
35) Methacrylonitrile	7.13	41	35790	18.150	ug/l 91
36) 1,2-Dichloroethane	8.08	62	90514	17.130	ug/l 95
37) Trichloroethene	8.80	130	56325	17.875	ug/l 97
38) Methylcyclohexane	9.05	83	65010	18.202	ug/l 97
39) 1,2-Dichloropropane	9.08	63	60345	18.467	ug/l 100
40) Dibromomethane	9.17	93	41115	18.015	ug/l 89

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	82977	17.493	ug/l	98
42) Vinyl Acetate	5.84	43	780090	90.598	ug/l	98
43) Ethyl Acetate	6.88	43	66126	14.884	ug/l	96
44) Isopropyl Acetate	8.12	43	126127	17.130	ug/l #	85
45) 1,4-Dioxane	9.16	88	13156	278.688	ug/l	95
46) Methyl methacrylate	9.16	41	63814	17.420	ug/l	86
47) n-amyl Acetate	12.05	43	102916	15.721	ug/l	98
48) t-1,3-Dichloropropene	10.35	75	88635	17.292	ug/l	96
49) cis-1,3-Dichloropropene	9.81	75	93403	17.572	ug/l #	85
50) 1,1,2-Trichloroethane	10.53	97	55038	18.060	ug/l	97
51) Ethyl methacrylate	10.40	69	74441m	16.840	ug/l	
52) 1,3-Dichloropropane	10.68	76	91319	17.493	ug/l	98
53) Dibromochloromethane	10.87	129	61073	17.412	ug/l	97
54) 1,2-Dibromoethane	10.98	107	55014	17.217	ug/l	100
55) 2-Chloroethyl vinyl ether	9.66	63	194189	82.323	ug/l	99
56) Bromoform	12.10	173	40122	16.508	ug/l	97
58) 4-Methyl-2-Pentanone	9.95	43	384651	86.406	ug/l	94
59) 2-Hexanone	10.72	43	277071	83.560	ug/l	93
61) Tetrachloroethene	10.60	164	51745	17.782	ug/l #	88
62) Toluene	10.12	91	239756	18.199	ug/l	100
64) Chlorobenzene	11.41	112	142154	17.803	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.48	131	55061	17.631	ug/l	99
66) Ethyl Benzene	11.48	91	257002	17.765	ug/l	99
67) m/p-Xylenes	11.60	106	188996	35.131	ug/l	92
68) o-Xylene	11.92	106	88581	17.282	ug/l	92
69) Styrene	11.94	104	151448	17.317	ug/l	96
70) Isopropylbenzene	12.22	105	241109	17.703	ug/l	97
71) 1,1,2,2-Tetrachloroethane	12.48	83	73294	17.025	ug/l	98
72) 1,2,3-Trichloropropane	12.53	75	69261m	15.778	ug/l	
73) Bromobenzene	12.50	156	58410	16.921	ug/l	87
74) n-propylbenzene	12.57	91	281784	17.699	ug/l	98
75) 2-Chlorotoluene	12.65	91	176343	18.158	ug/l	96
76) 1,3,5-Trimethylbenzene	12.71	105	201351	17.531	ug/l	99
77) t-1,4-Dichloro-2-butene	12.27	75	23747	15.209	ug/l	82
78) 4-Chlorotoluene	12.75	91	183606	17.854	ug/l	95
79) tert-butylbenzene	12.97	119	157448	17.112	ug/l	95
80) 1,2,4-Trimethylbenzene	13.01	105	200585	17.422	ug/l	96
81) sec-Butylbenzene	13.14	105	210452	17.402	ug/l	98
82) p-Isopropyltoluene	13.26	119	182428	16.689	ug/l	96
83) 1,3-Dichlorobenzene	13.26	146	99848	16.264	ug/l	96
84) 1,4-Dichlorobenzene	13.34	146	100552	16.488	ug/l	96
85) n-Butylbenzene	13.59	91	150470	15.734	ug/l	99
86) Hexachloroethane	13.85	117	33253	17.652	ug/l	80
87) 1,2-Dichlorobenzene	13.63	146	100654	16.708	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	14.24	75	15702	15.264	ug/l	84
89) 1,2,4-Trichlorobenzene	14.88	180	41003	13.390	ug/l #	96
90) Hexachlorobutadiene	14.98	225	28895	17.816	ug/l	96
91) Naphthalene	15.10	128	116922	12.482	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	41225	13.822	ug/l	97

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QLast Update : Tue Oct 06 16:42:38 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

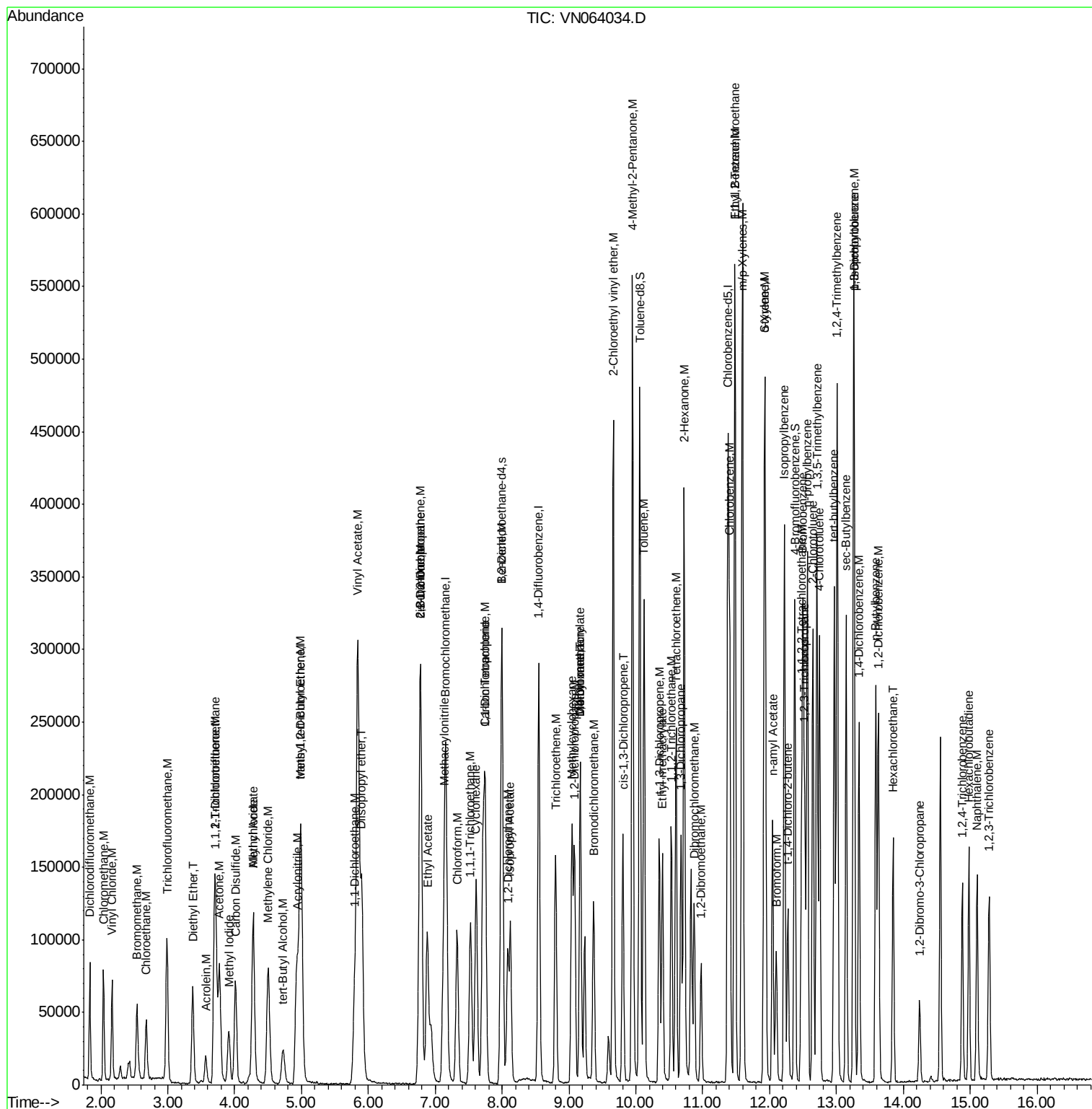
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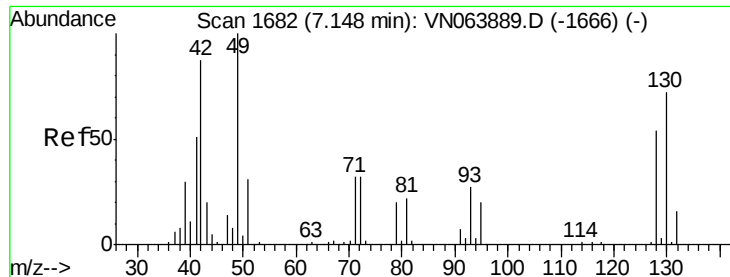
Instrument :
MSVOA_N
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VN064034.D

Acq: 9 Oct 2020 13:36

Instrument :

MSVOA_N

ClientSampleId :

VN1009WBS01

Tot Ion:128 Resp: 46007

Ion Ratio Lower Upper

128 100

49 193.2 0.0 437.5

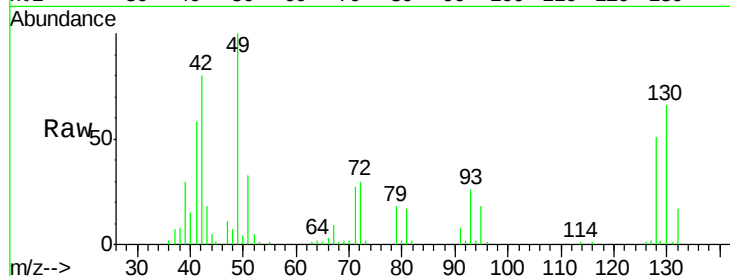
130 127.3 0.0 327.3

Manual Integrations

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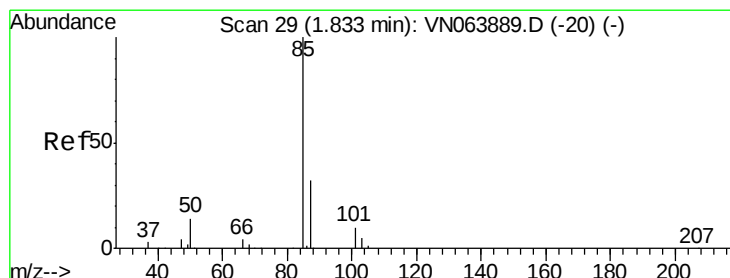
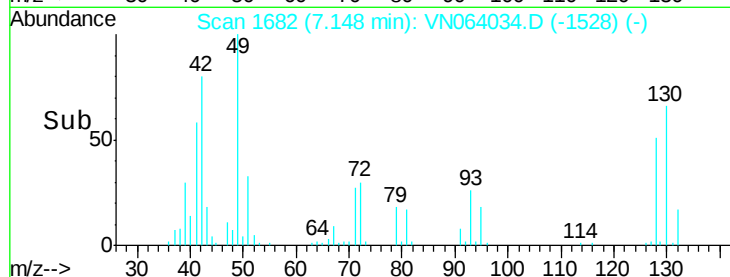
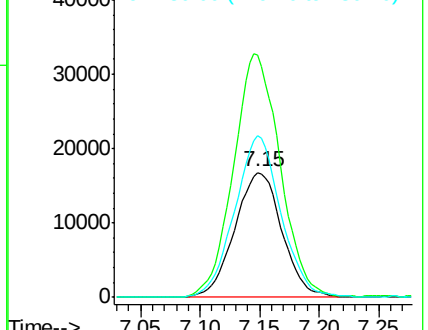
10/12/2020 2:10:06 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 19.454 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064034.D

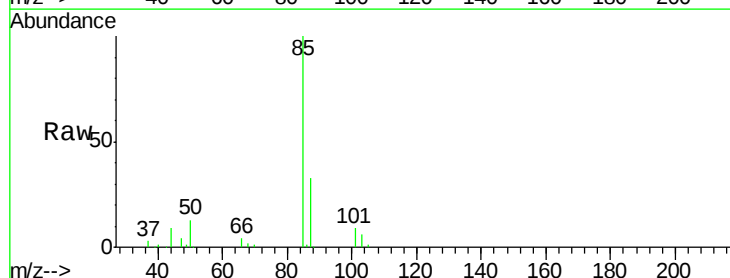
Acq: 9 Oct 2020 13:36

Tgt Ion: 85 Resp: 60580

Ion Ratio Lower Upper

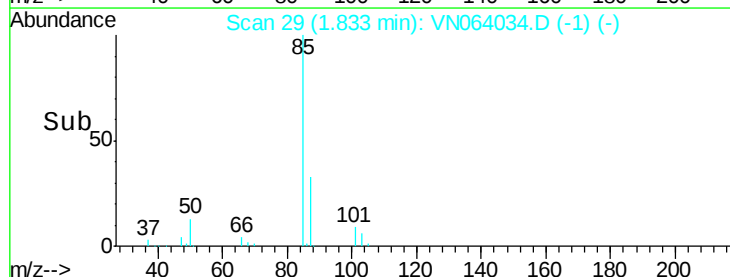
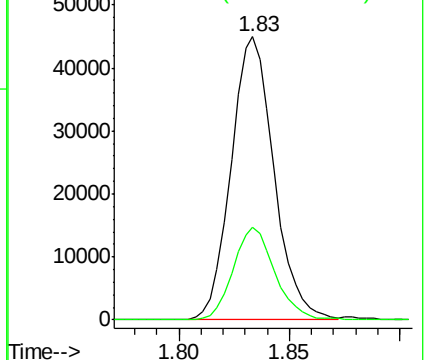
85 100

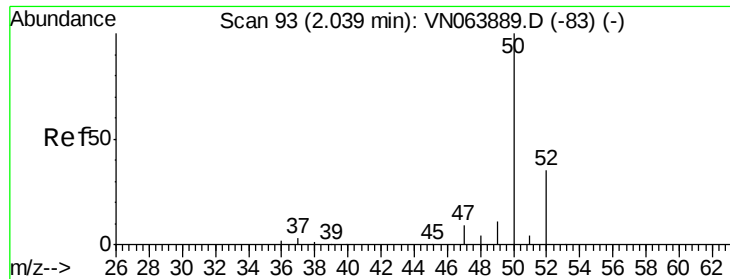
87 32.6 16.9 50.6



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 20.130 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.01 min

Lab File: VN064034.D

Acq: 9 Oct 2020 13:36

Instrument :

MSVOA_N

ClientSampleId :

VN1009WBS01

Tot Ion: 50 Resp: 64867

Ion Ratio Lower Upper

50 100

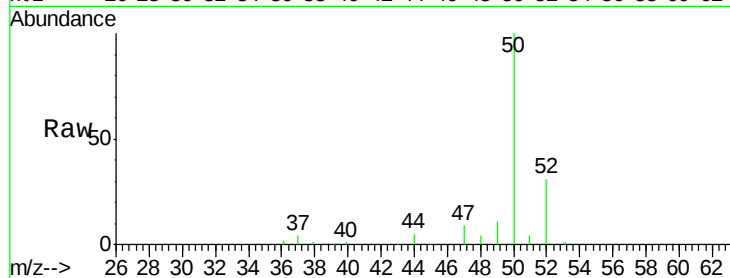
52 31.4 26.0 39.0

Manual Integrations

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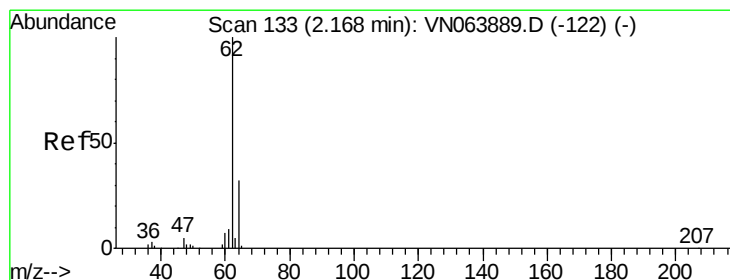
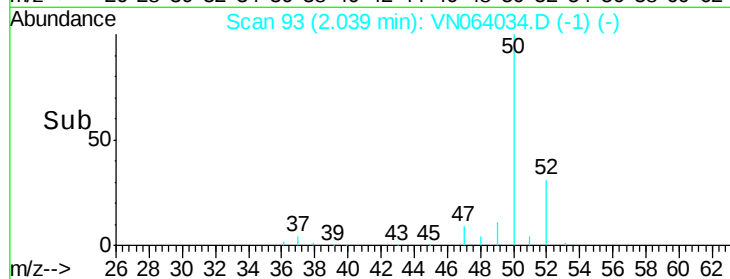
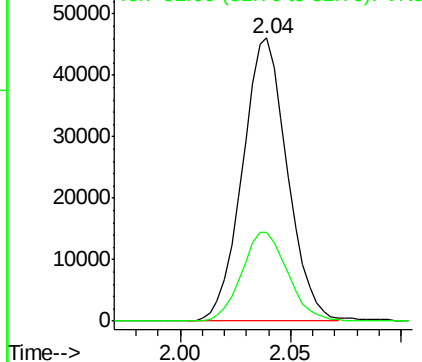
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Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 18.849 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.01 min

Lab File: VN064034.D

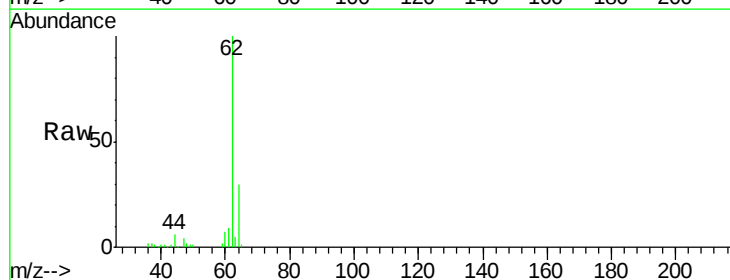
Acq: 9 Oct 2020 13:36

Tgt Ion: 62 Resp: 60424

Ion Ratio Lower Upper

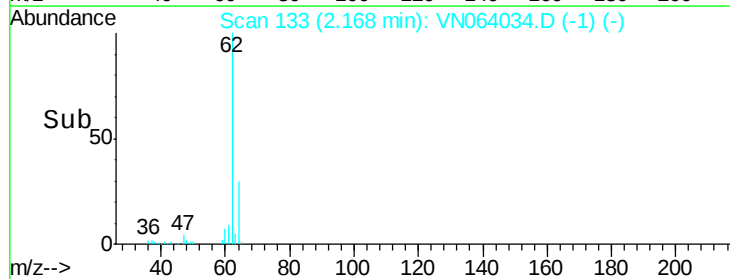
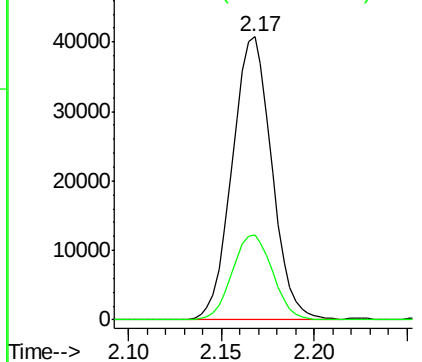
62 100

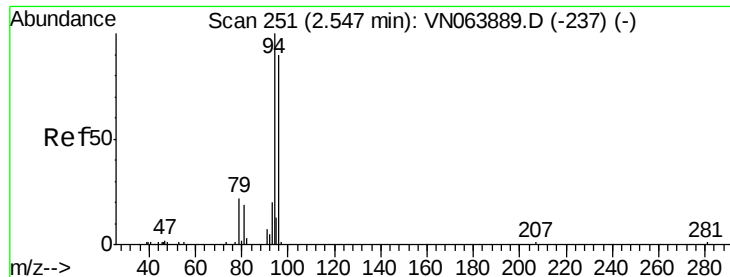
64 30.0 25.0 37.4



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 17.285 ug/l

RT: 2.54 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN064034.D

Acq: 9 Oct 2020 13:36

Instrument :

MSVOA_N

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VN1009WBS01

Tot Ion: 94 Resp: 35664

Ion Ratio Lower Upper

94 100

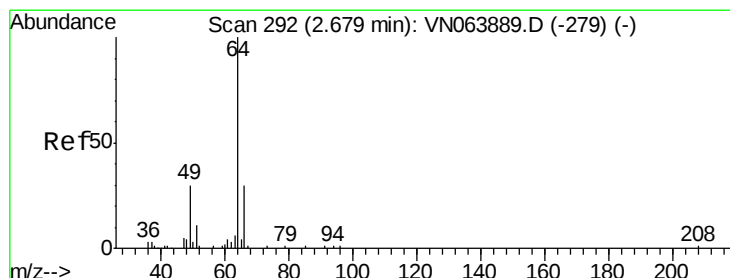
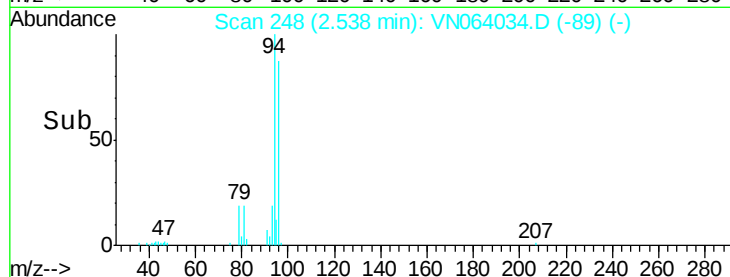
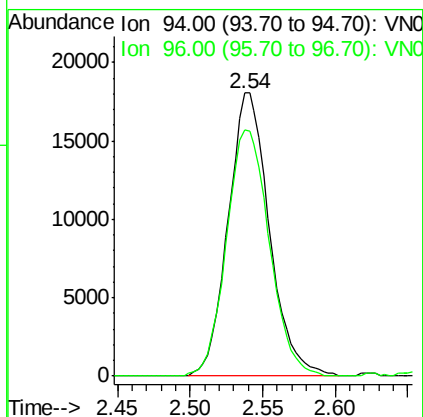
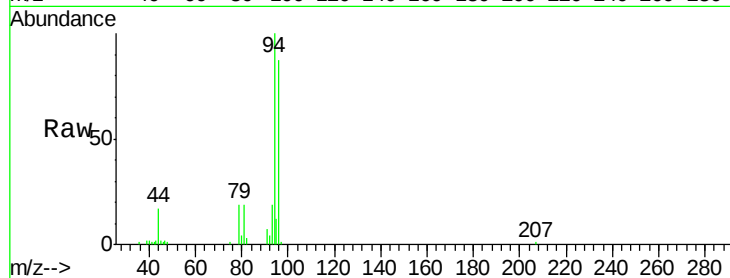
96 87.2 74.0 111.0

Manual Integrations

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#6

Chloroethane

Concen: 18.188 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.01 min

Lab File: VN064034.D

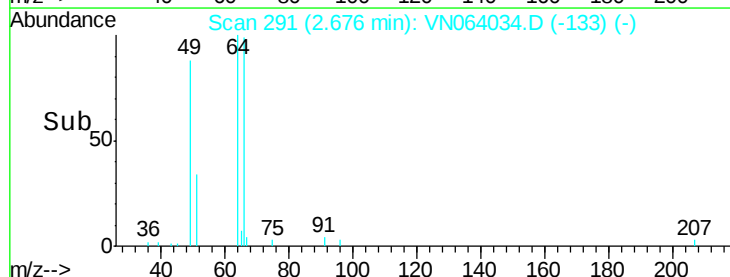
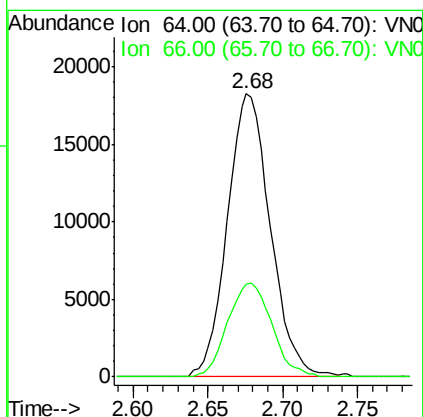
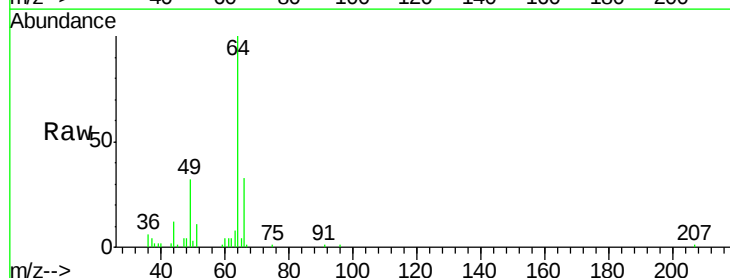
Acq: 9 Oct 2020 13:36

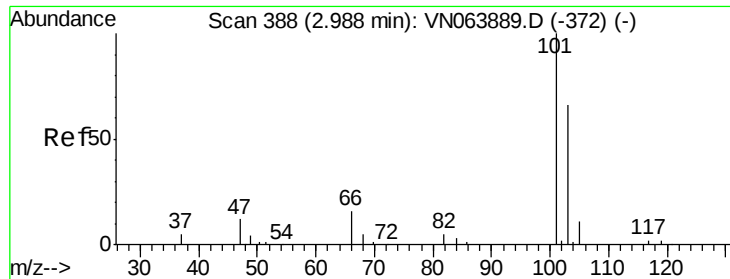
Tgt Ion: 64 Resp: 36578

Ion Ratio Lower Upper

64 100

66 32.8 25.8 38.8





#7

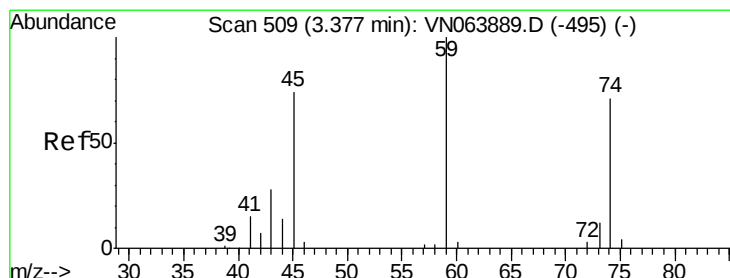
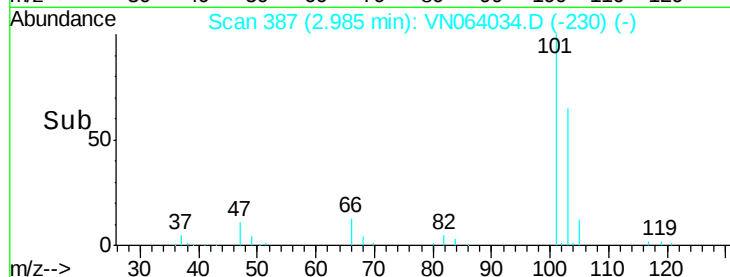
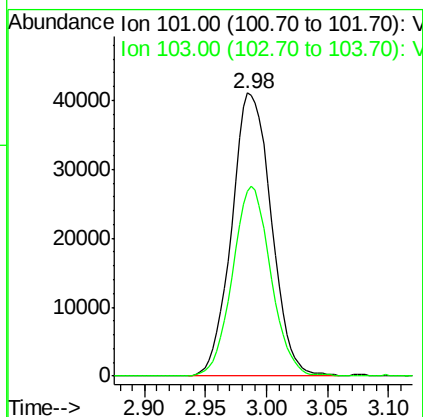
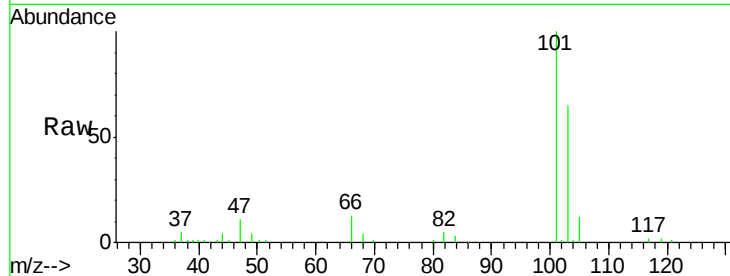
Trichlorofluoromethane
 Concen: 18.280 ug/l
 RT: 2.98 min Scan# 387
 Delta R.T. 0.01 min
 Lab File: VN064034.D
 Acq: 9 Oct 2020 13:36

Instrument :
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 ClientSampleId :
 VN1009WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	51.9	77.9

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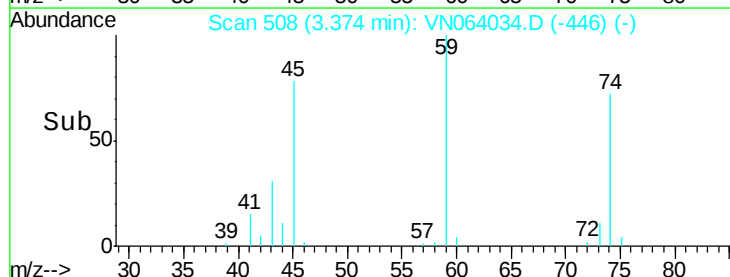
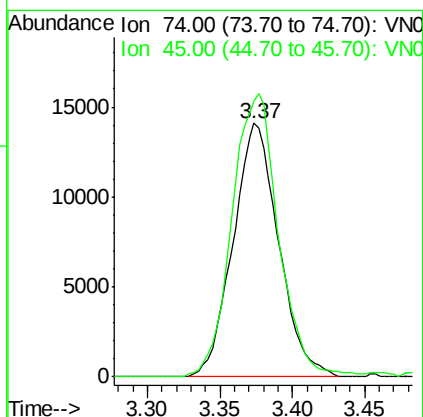
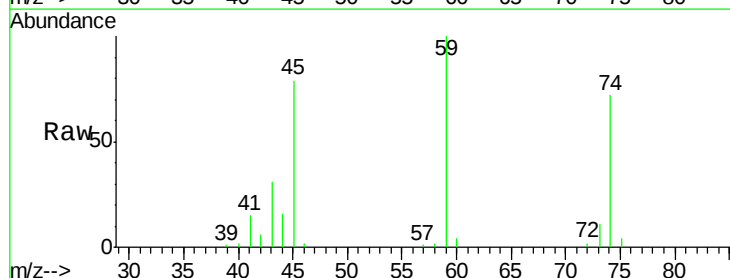
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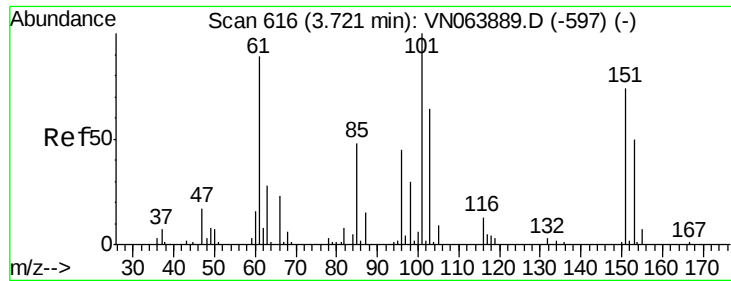


#8

Diethyl Ether
 Concen: 18.776 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN064034.D
 Acq: 9 Oct 2020 13:36

Tgt Ion	Ratio	Lower	Upper
74	100		
45	114.3	20.6	185.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.950 ug/l

RT: 3.73 min Scan# 618

Delta R.T. 0.01 min

Lab File: VN064034.D

Acq: 9 Oct 2020 13:36

Instrument :

MSVOA_N

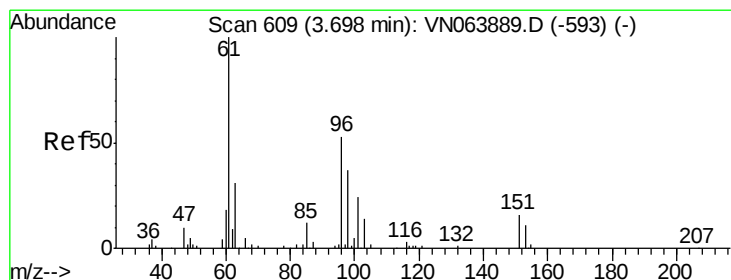
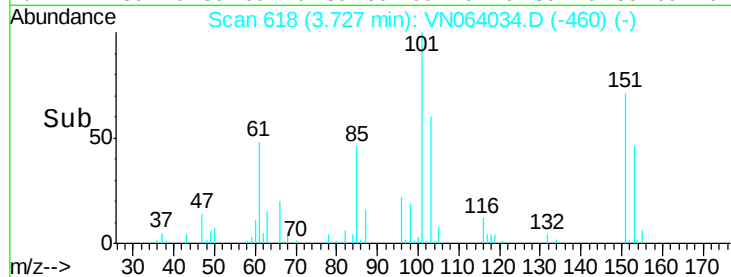
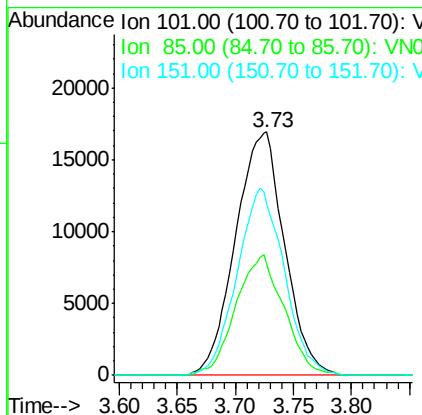
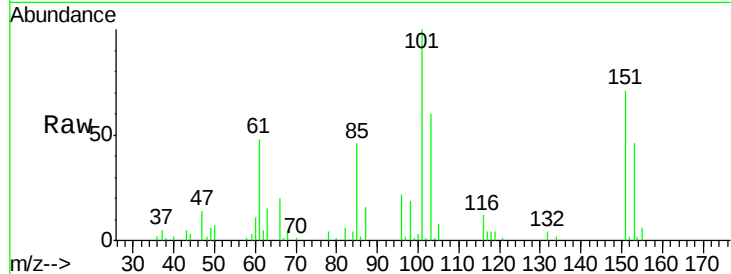
ClientSampleId :

VN1009WBS01

Tot Ion:	101	Resp:	49829
Ion Ratio	Lower	Upper	
101	100		
85	48.5	0.0	85.0
151	73.8	0.0	161.6

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 18.818 ug/l

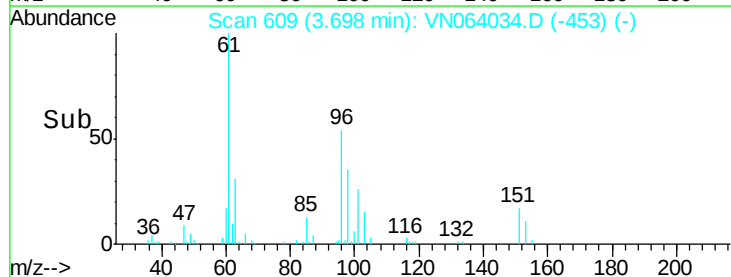
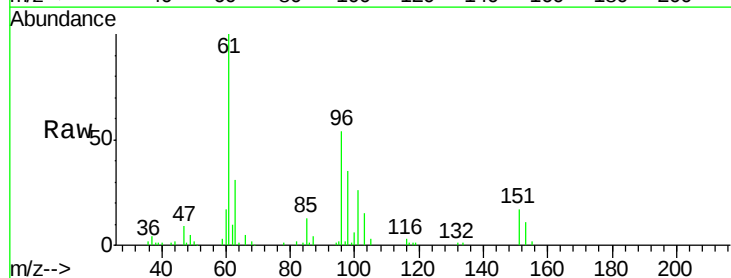
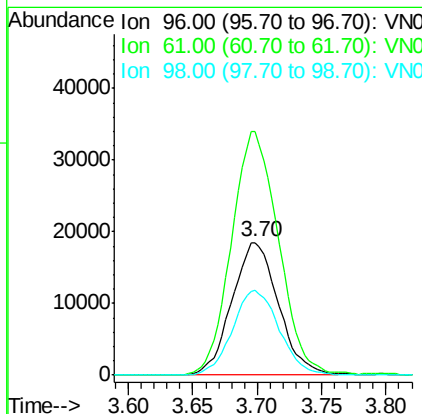
RT: 3.70 min Scan# 609

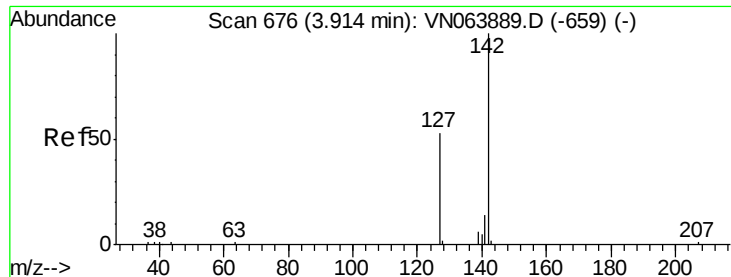
Delta R.T. 0.00 min

Lab File: VN064034.D

Acq: 9 Oct 2020 13:36

Tgt Ion:	96	Resp:	46458
Ion Ratio	Lower	Upper	
96	100		
61	182.7	130.8	196.2
98	63.8	49.0	73.4





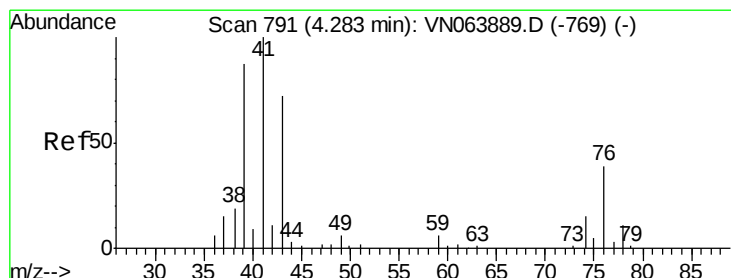
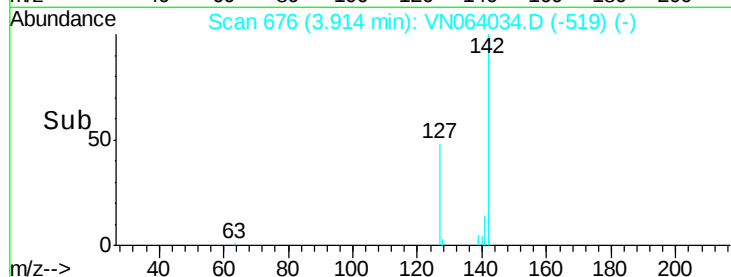
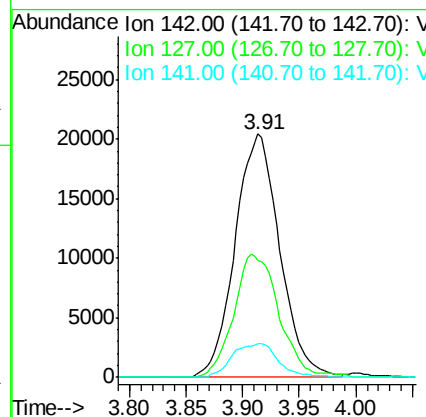
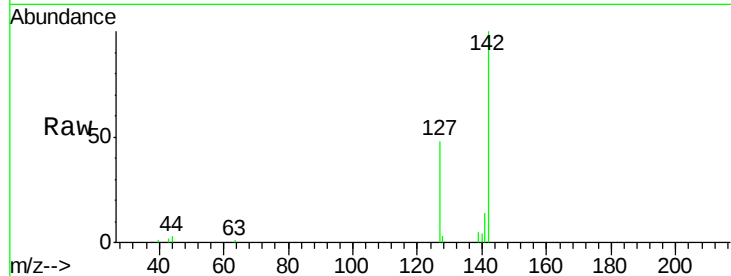
#11
Methyl Iodide
Concen: 17.803 ug/l
RT: 3.91 min Scan# 676
Delta R.T. 0.01 min
Lab File: VN064034.D
Acq: 9 Oct 2020 13:36

Instrument :
MSVOA_N
ClientSampleId :
VN1009WBS01

Tot Ion	Ratio	Lower	Upper
142	100		
127	47.9	20.9	62.8
141	13.8	6.7	20.1

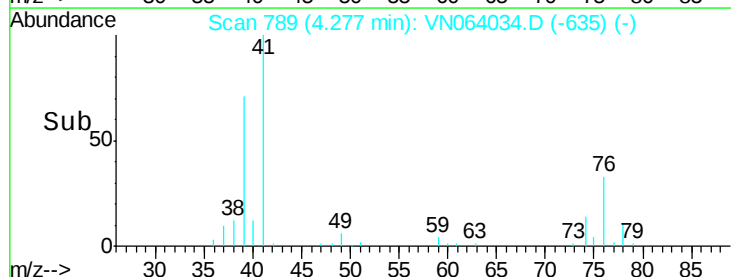
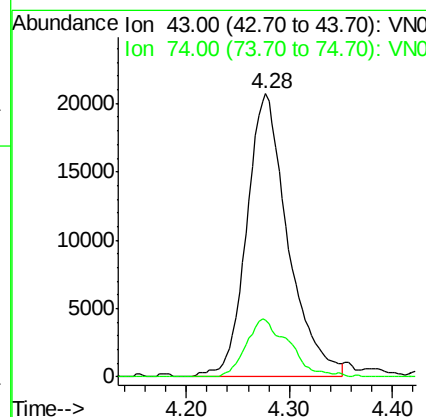
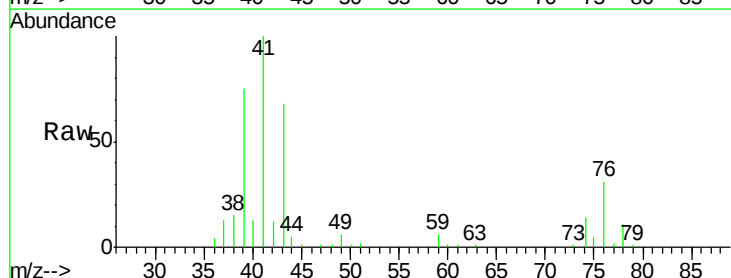
Manual Integrations
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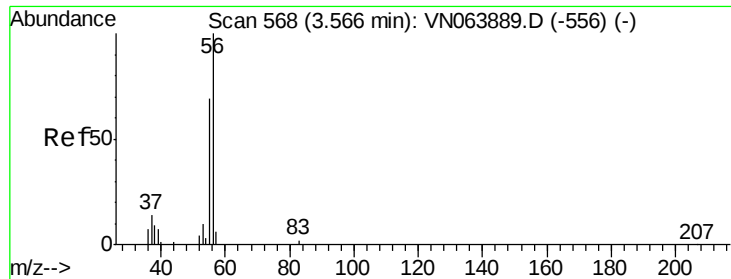
MMDadoda
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#12
Methyl Acetate
Concen: 19.015 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN064034.D
Acq: 9 Oct 2020 13:36

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.9	18.6	27.8





#13

Acrolein

Concen: 67.816 ug/l

RT: 3.57 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN064034.D

Acq: 9 Oct 2020 13:36

Instrument :

MSVOA_N

ClientSampleId :

VN1009WBS01

Tot Ion: 56 Resp: 20056

Ion Ratio Lower Upper

56 100

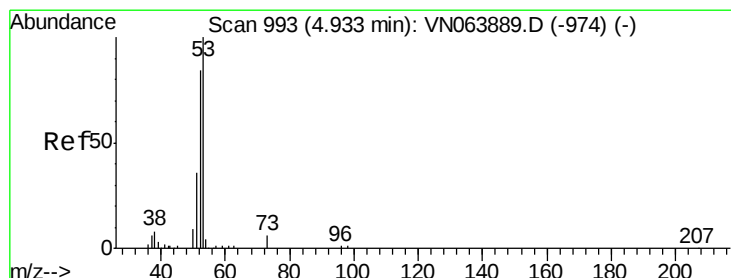
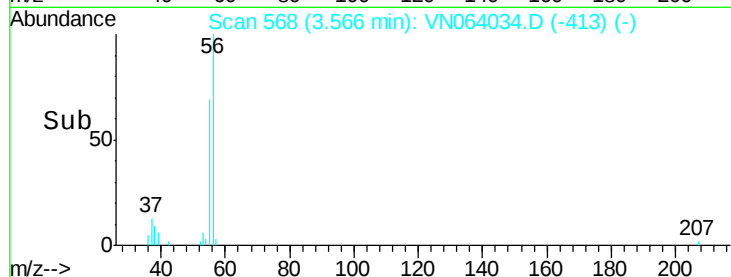
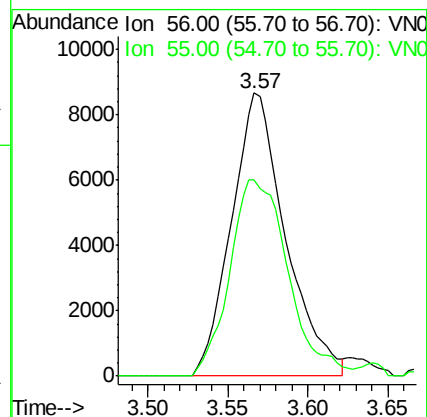
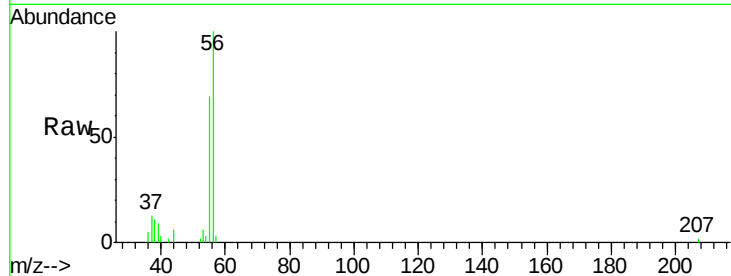
55 74.7 58.7 88.1

Manual Integrations

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MMDadoda

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#14

Acrylonitrile

Concen: 88.116 ug/l

RT: 4.93 min Scan# 991

Delta R.T. -0.01 min

Lab File: VN064034.D

Acq: 9 Oct 2020 13:36

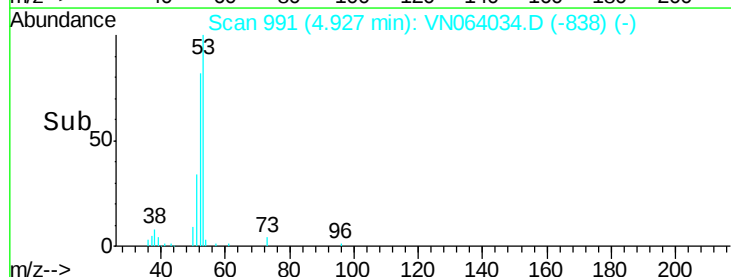
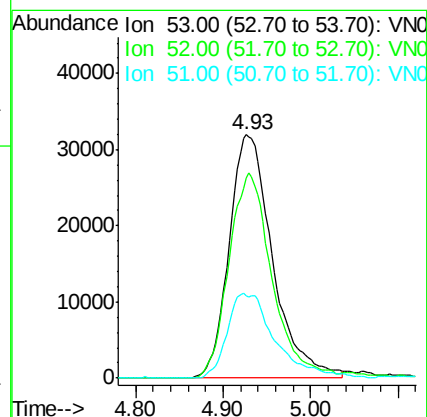
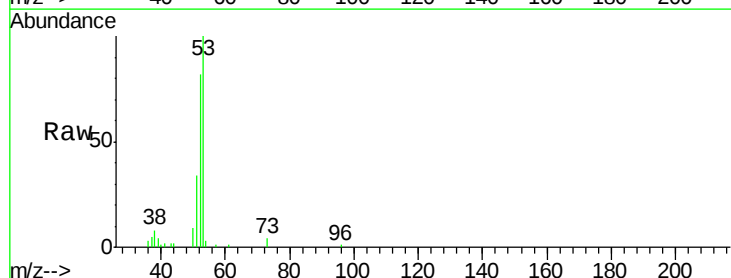
Tgt Ion: 53 Resp: 110077

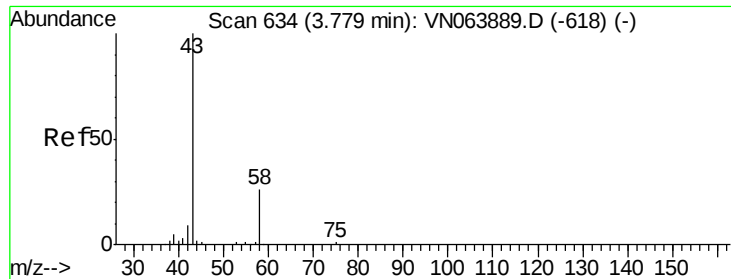
Ion Ratio Lower Upper

53 100

52 82.6 39.9 119.7

51 17.5 17.0 51.0





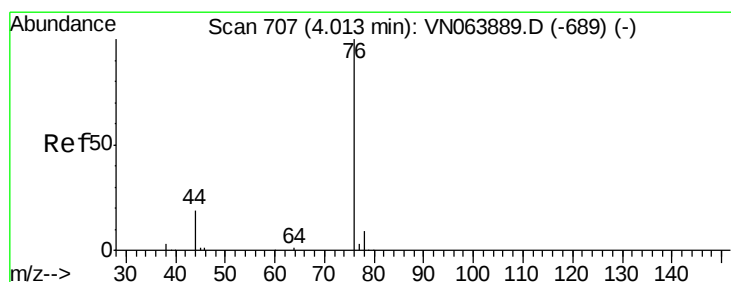
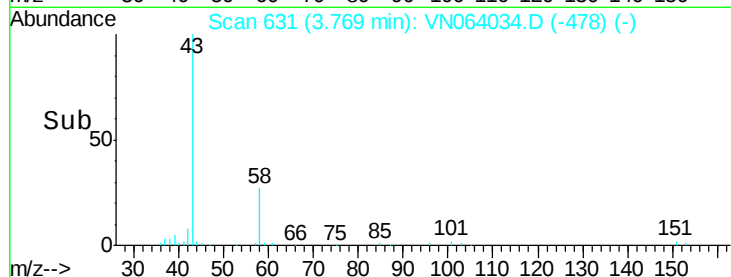
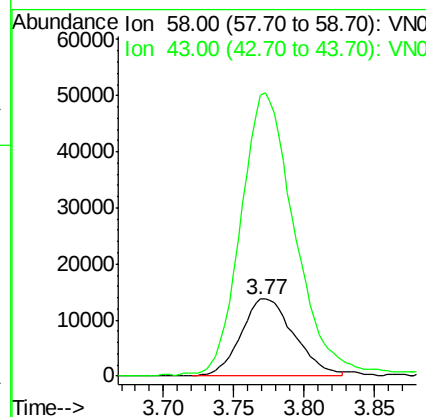
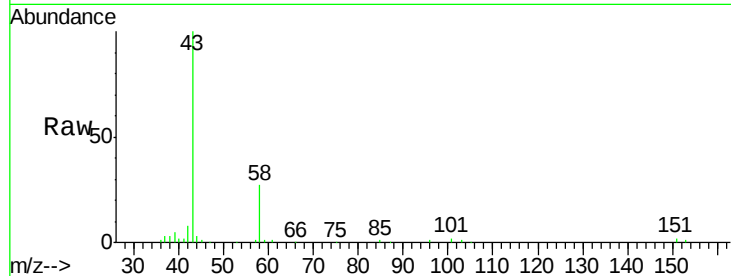
#15
Acetone
Concen: 100.725 ug/l
RT: 3.77 min Scan# 631
Delta R.T. -0.01 min
Lab File: VN064034.D
Acq: 9 Oct 2020 13:36

Instrument :
MSVOA_N
ClientSampleId :
VN1009WBS01

Tot Ion: 58 Resp: 36423
Ion Ratio Lower Upper
58 100
43 359.2 233.2 349.8#

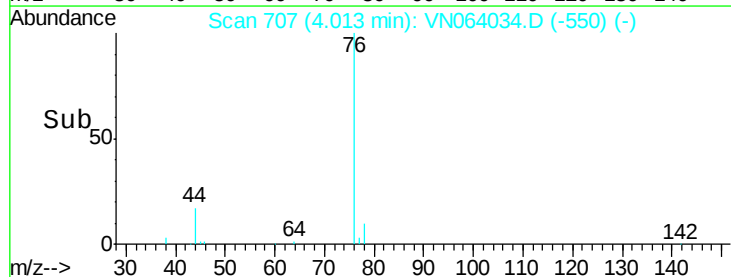
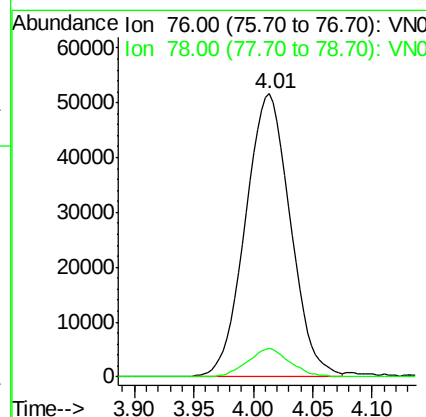
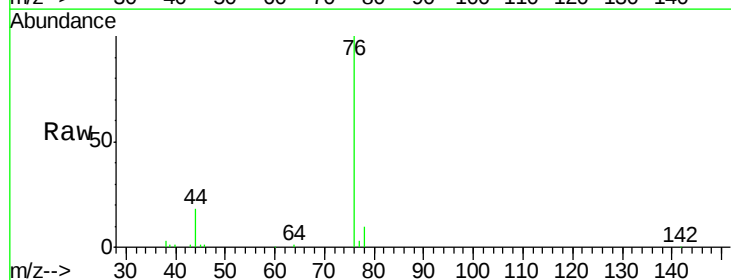
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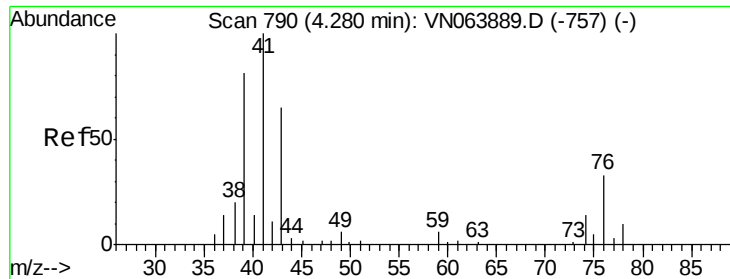
MMDadoda
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#16
Carbon Disulfide
Concen: 18.479 ug/l
RT: 4.01 min Scan# 707
Delta R.T. 0.01 min
Lab File: VN064034.D
Acq: 9 Oct 2020 13:36

Tgt Ion: 76 Resp: 135293
Ion Ratio Lower Upper
76 100
78 9.9 7.0 10.4





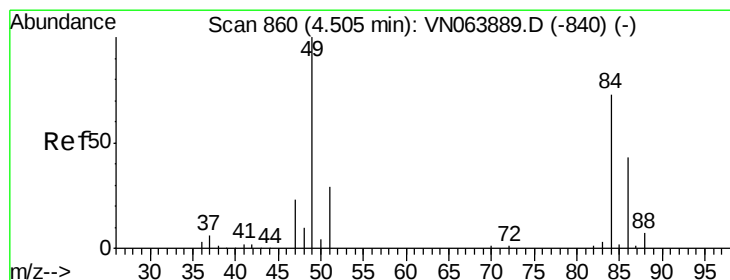
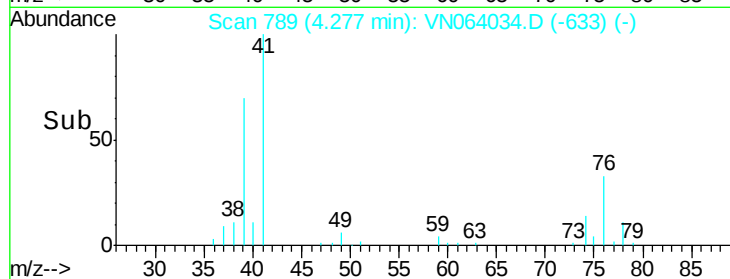
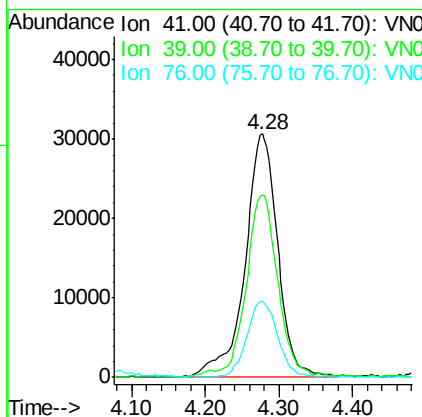
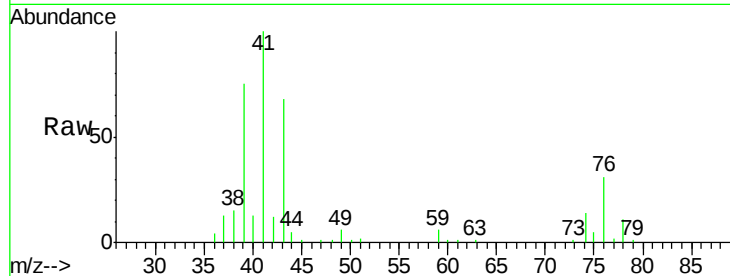
#17
Allvl chloride
Concen: 20.668 ug/l
RT: 4.28 min Scan# 789
Delta R.T. 0.00 min
Lab File: VN064034.D
Acq: 9 Oct 2020 13:36

Instrument :
MSVOA_N
ClientSampleId :
VN1009WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	74.5	33.8	101.4
76	31.3	19.4	58.4

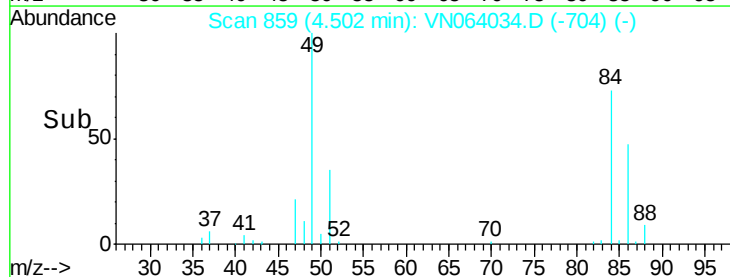
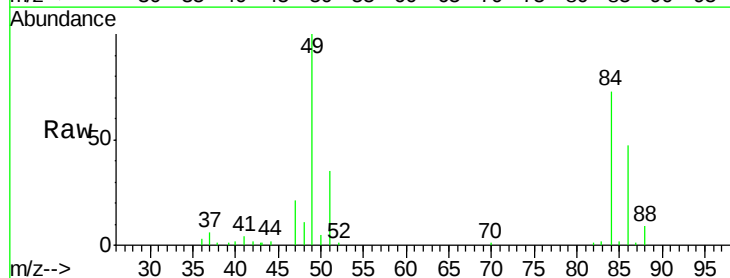
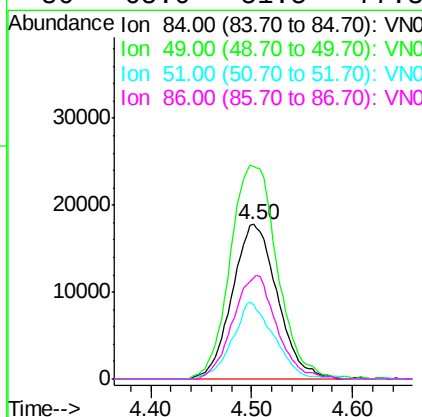
Manual Integrations
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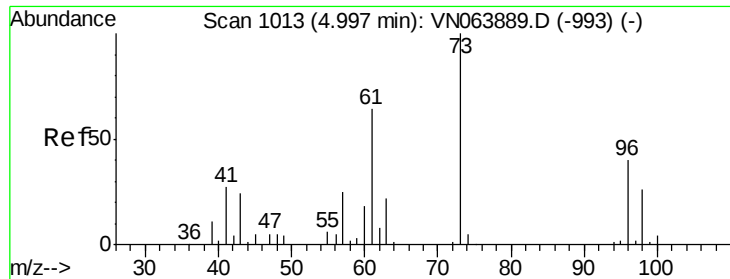
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#18
Methylene Chloride
Concen: 18.724 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN064034.D
Acq: 9 Oct 2020 13:36

Tgt Ion	Ratio	Lower	Upper
84	100		
49	137.4	97.8	146.8
51	47.6	30.7	46.1#
86	65.0	51.5	77.3





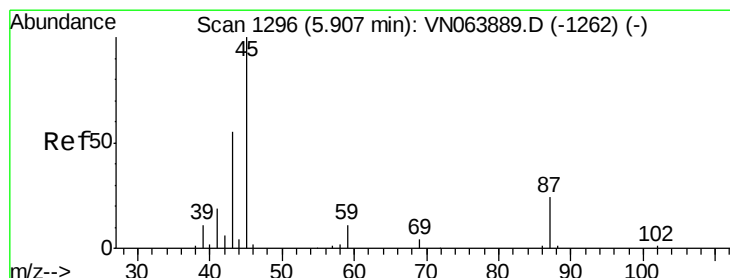
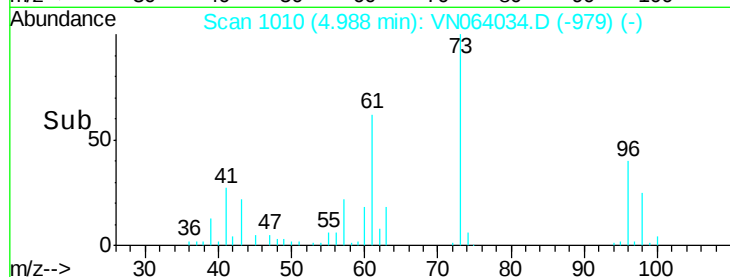
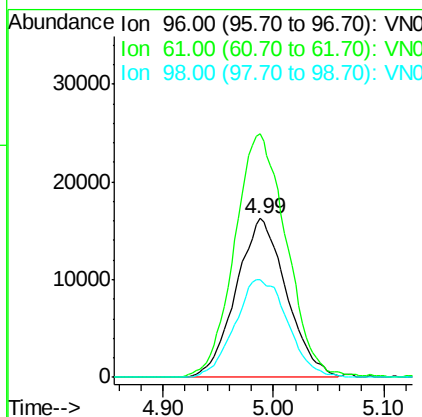
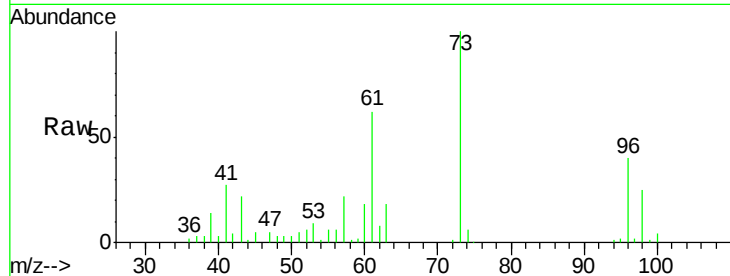
#19
trans-1,2-Dichloroethene
Concen: 18.468 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VN064034.D
Acq: 9 Oct 2020 13:36

Instrument :
MSVOA_N
ClientSampleId :
VN1009WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	151.5	115.9	173.9
98	61.3	53.3	79.9

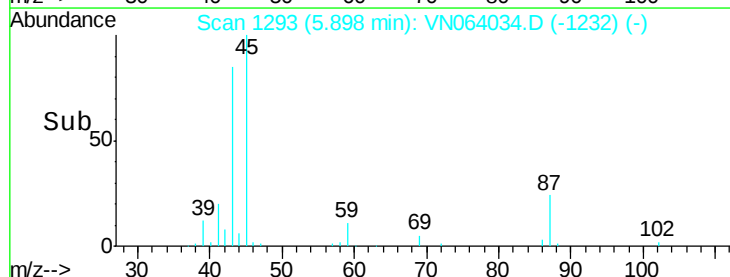
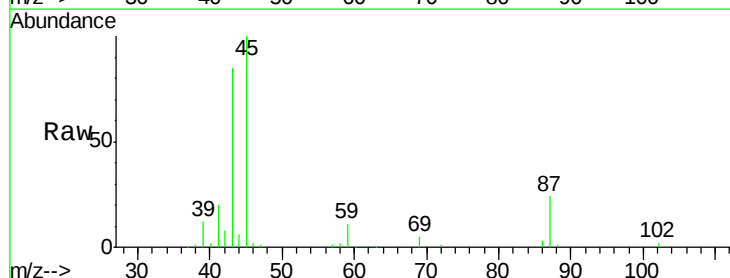
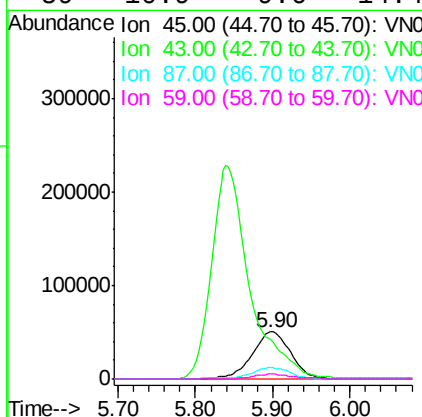
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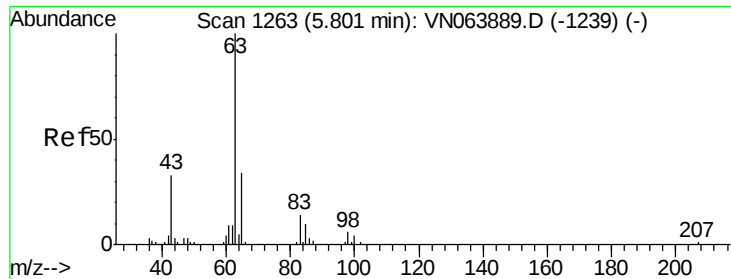
MMDadoda
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#20
Diisopropyl ether
Concen: 19.005 ug/l
RT: 5.90 min Scan# 1293
Delta R.T. -0.00 min
Lab File: VN064034.D
Acq: 9 Oct 2020 13:36

Tgt Ion	Ratio	Lower	Upper
45	100		
43	81.2	51.8	77.6#
87	24.4	21.8	32.6
59	10.9	9.6	14.4





#21

1,1-Dichloroethane

Concen: 18.814 ug/l m

RT: 5.79 min Scan# 1260

Delta R.T. -0.01 min

Lab File: VN064034.D

Acq: 9 Oct 2020 13:36

Instrument :

MSVOA_N

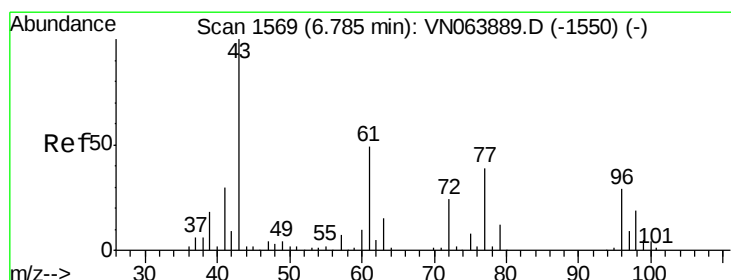
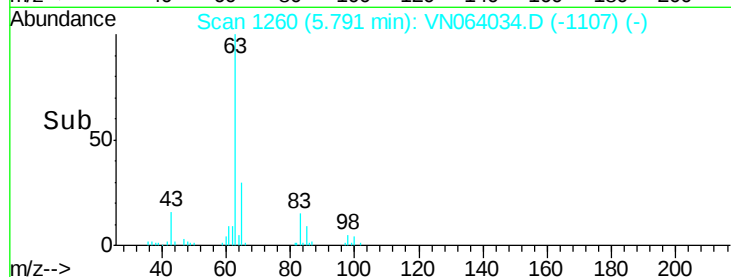
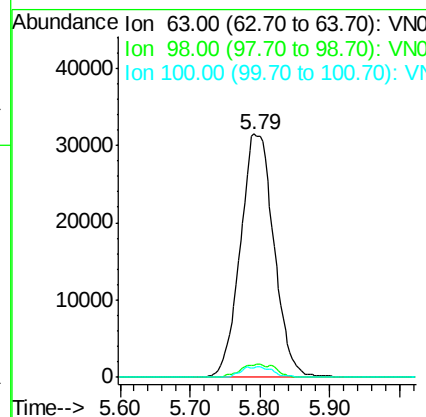
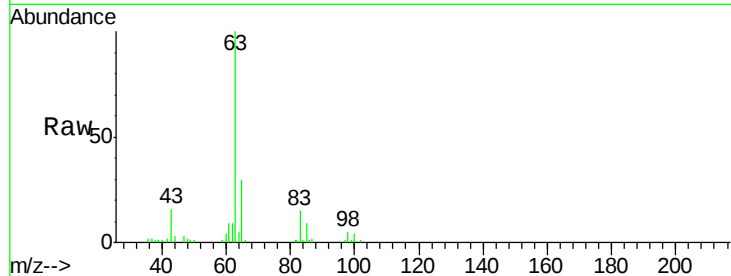
ClientSampleId :

VN1009WBS01

Tot Ion:	63	Resp:	105206
Ion Ratio	Lower	Upper	
63	100		
98	5.0	3.1	9.3
100	4.0	1.8	5.3

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 18.162 ug/l

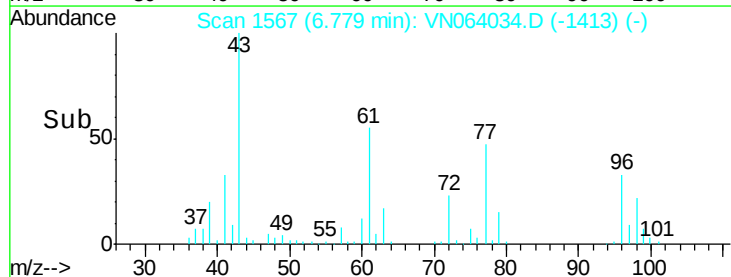
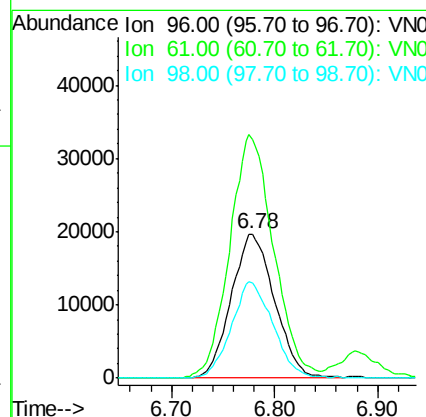
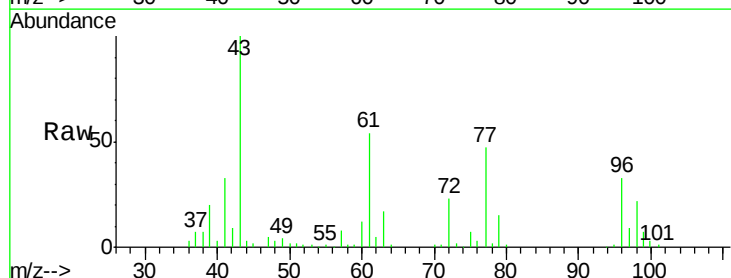
RT: 6.78 min Scan# 1567

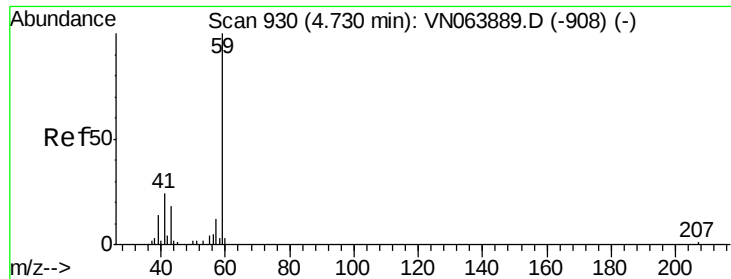
Delta R.T. -0.00 min

Lab File: VN064034.D

Acq: 9 Oct 2020 13:36

Tgt Ion:	96	Resp:	57496
Ion Ratio	Lower	Upper	
96	100		
61	170.7	120.9	181.3
98	63.8	50.3	75.5





#23

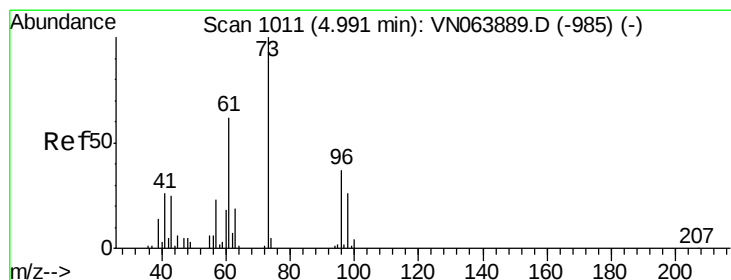
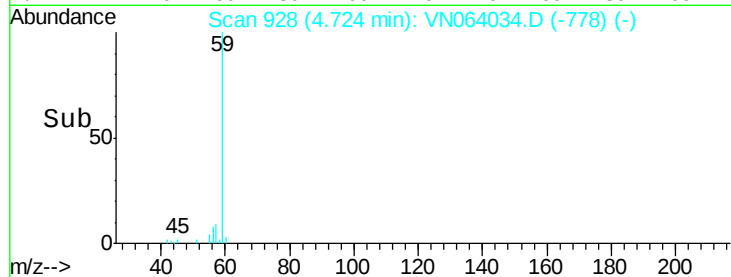
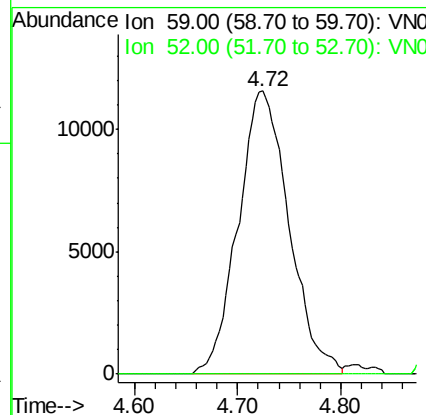
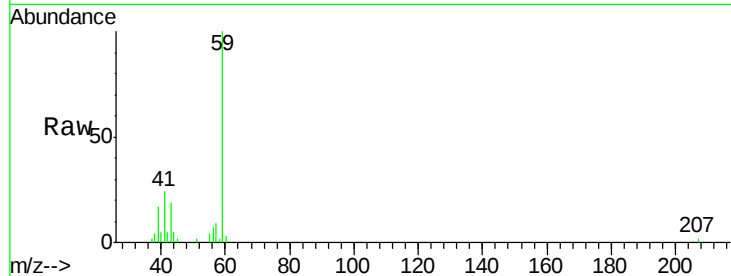
tert-Butyl Alcohol
 Concen: 74.101 ug/l
 RT: 4.72 min Scan# 928
 Delta R.T. -0.02 min
 Lab File: VN064034.D
 Acq: 9 Oct 2020 13:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1009WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

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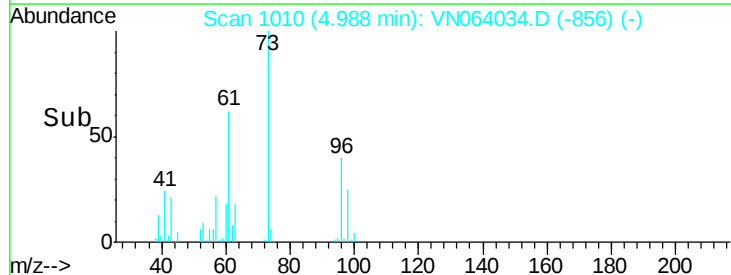
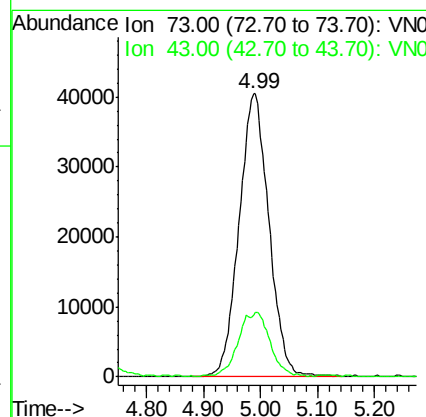
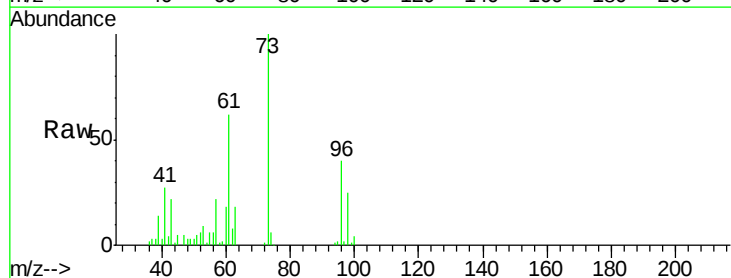
MMDadoda
 10/12/2020 2:10:06 PM

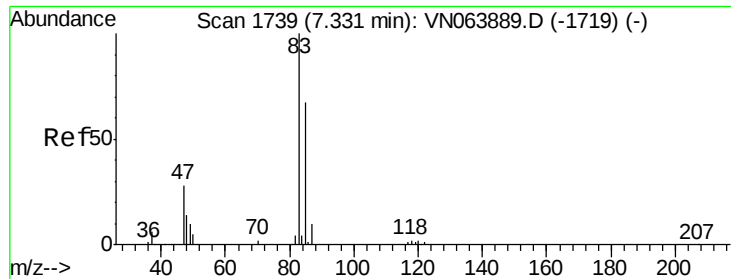


#24

Methyl tert-Butyl Ether
 Concen: 17.810 ug/l m
 RT: 4.99 min Scan# 1010
 Delta R.T. -0.00 min
 Lab File: VN064034.D
 Acq: 9 Oct 2020 13:36

Tgt Ion	Ratio	Lower	Upper
73	100		
43	0.0	15.8	23.6#





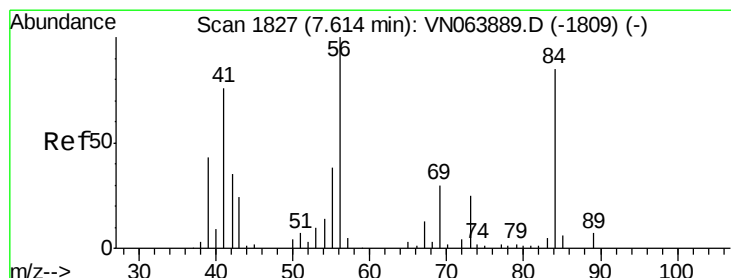
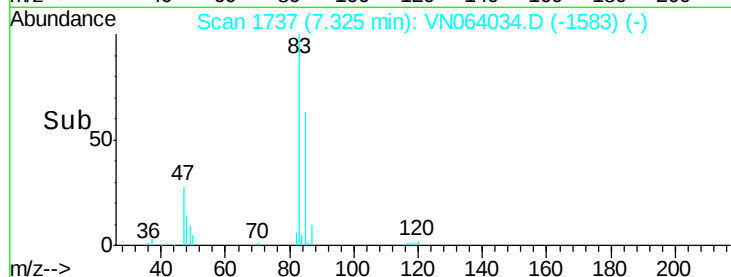
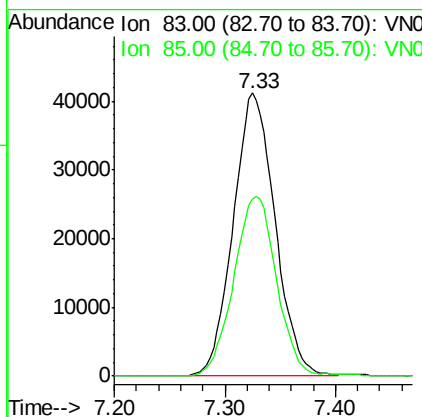
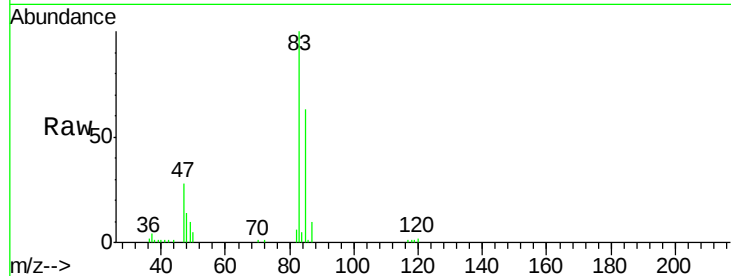
#25
Chloroform
Concen: 18.442 ug/l
RT: 7.33 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN064034.D
Acq: 9 Oct 2020 13:36

Instrument :
MSVOA_N
ClientSampleId :
VN1009WBS01

Tot Ion: 83 Resp: 108134
Ion Ratio Lower Upper
83 100
85 62.8 51.0 76.4

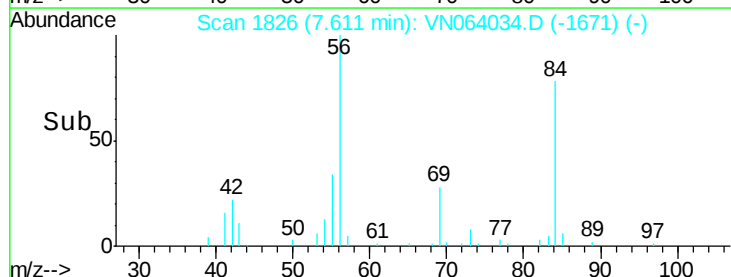
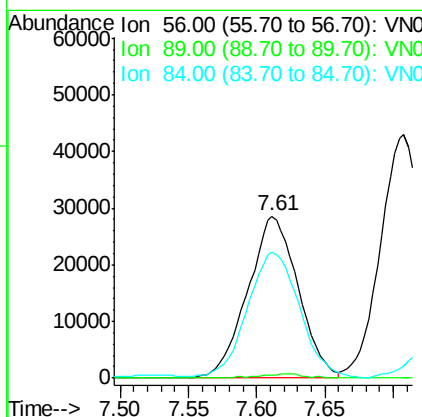
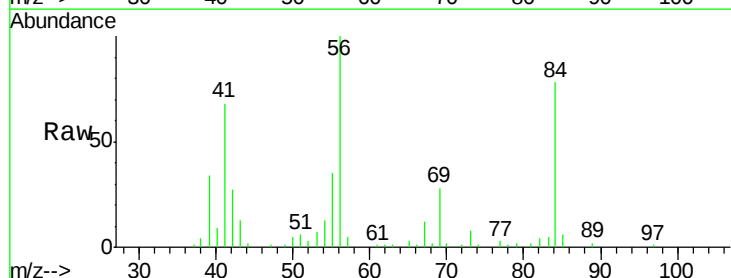
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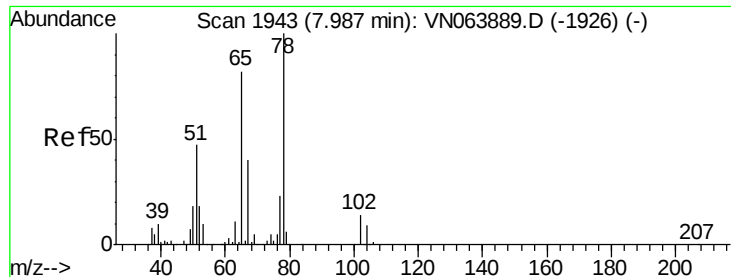
MMDadoda
10/12/2020 2:10:06 PM



#26
Cyclohexane
Concen: 18.230 ug/l
RT: 7.61 min Scan# 1826
Delta R.T. -0.00 min
Lab File: VN064034.D
Acq: 9 Oct 2020 13:36

Tgt Ion: 56 Resp: 73429
Ion Ratio Lower Upper
56 100
89 1.9 0.0 0.0#
84 81.1 65.0 97.4





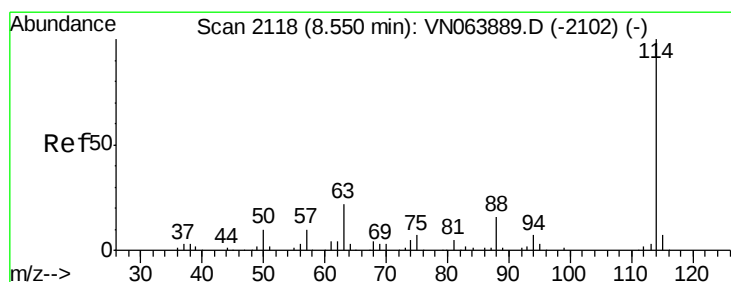
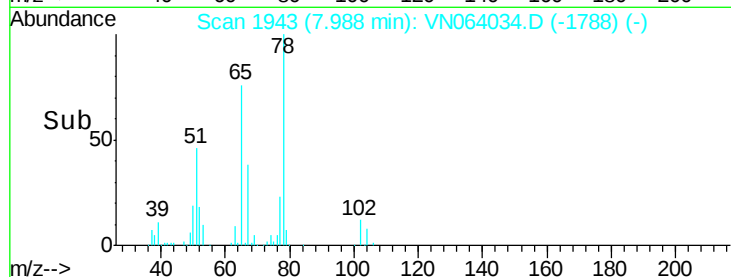
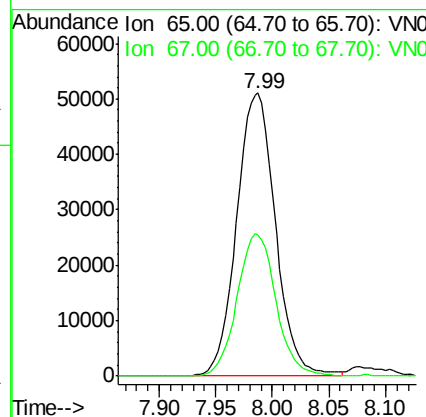
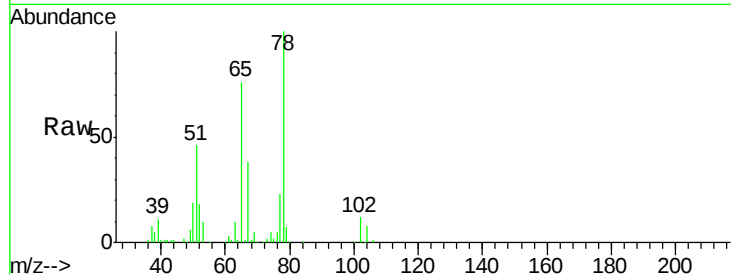
#27
 1,2-Dichloroethane-d4
 Concen: 29.492 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN064034.D
 Acq: 9 Oct 2020 13:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1009WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.2	43.8	65.6

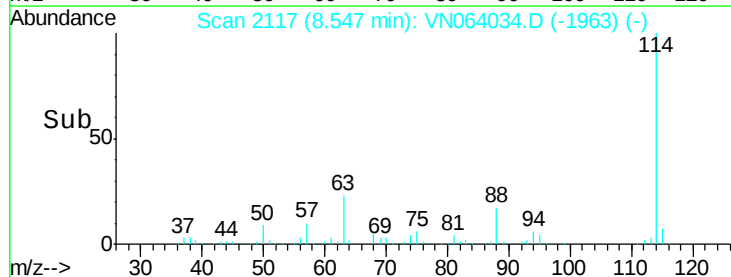
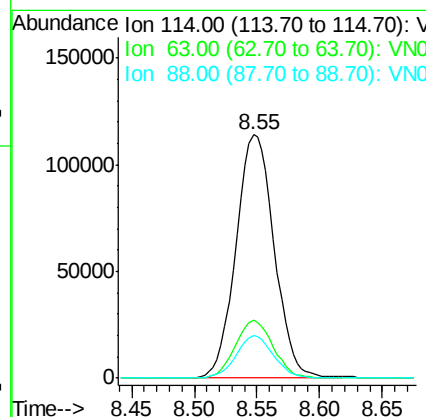
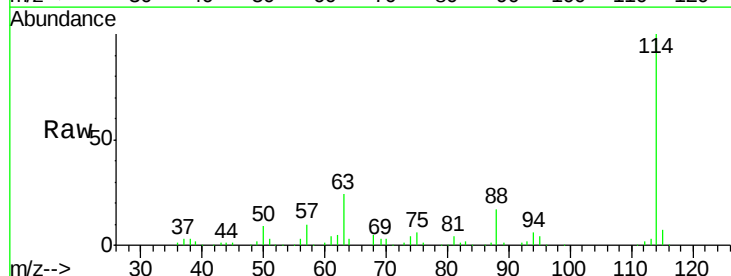
Manual Integrations
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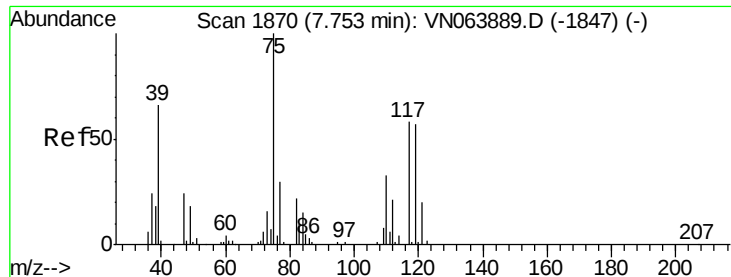
MMDadoda
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#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VN064034.D
 Acq: 9 Oct 2020 13:36

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.6	17.0	25.6
88	17.0	12.6	18.8





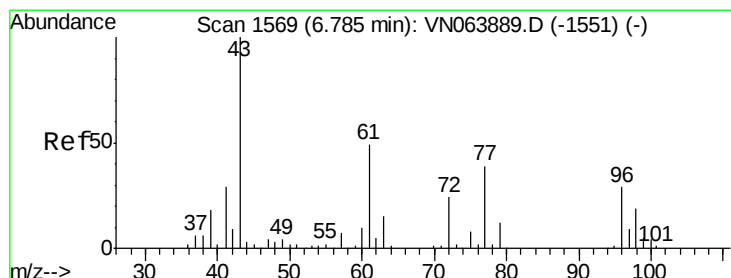
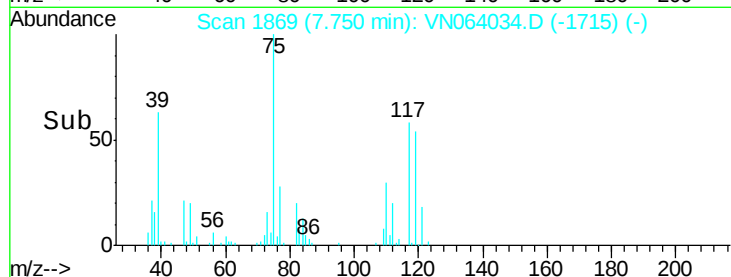
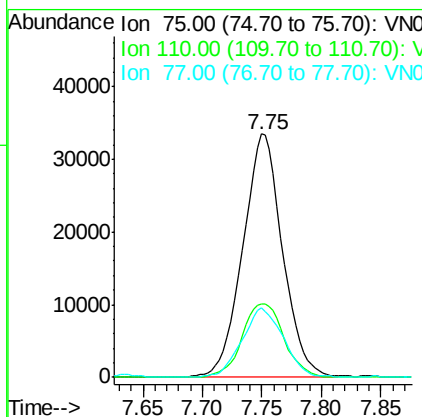
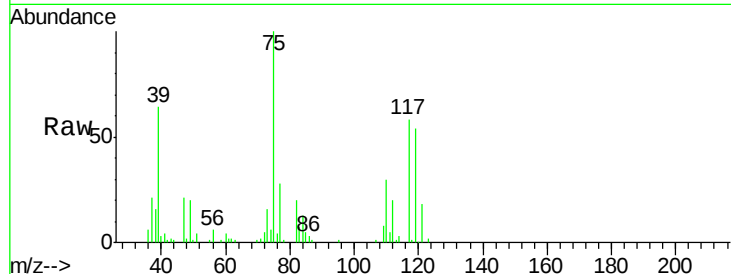
#29
 1,1-Dichloropropene
 Concen: 18.331 ug/l
 RT: 7.75 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VN064034.D
 Acq: 9 Oct 2020 13:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1009WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
110	31.7	0.0	70.6
77	29.7	0.0	60.2

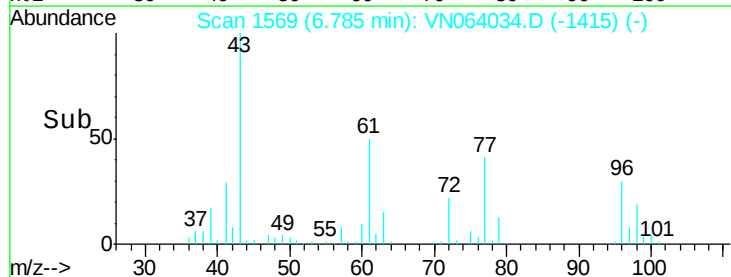
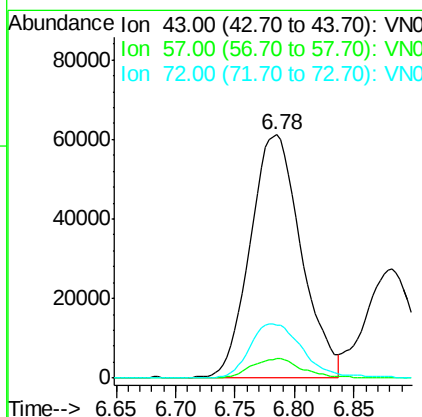
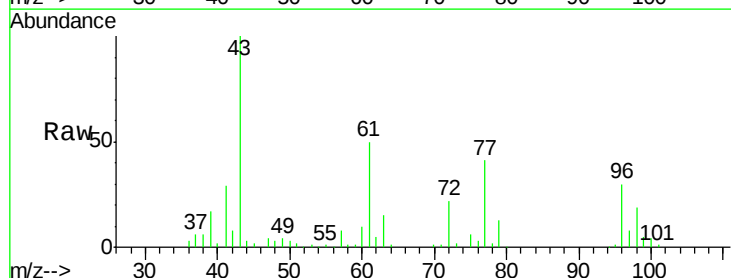
Manual Integrations
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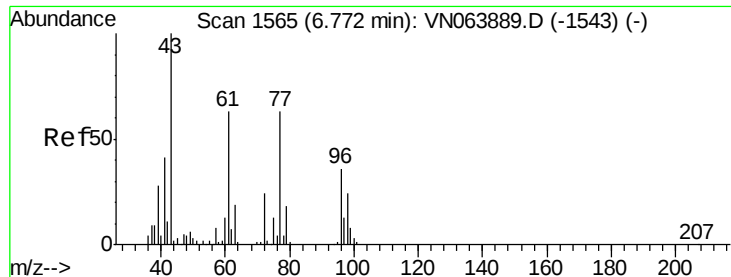
MMDadoda
 10/12/2020 2:10:06 PM



#30
 2-Butanone
 Concen: 87.078 ug/l
 RT: 6.78 min Scan# 1569
 Delta R.T. -0.00 min
 Lab File: VN064034.D
 Acq: 9 Oct 2020 13:36

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.9	6.6	9.8
72	23.3	21.3	31.9





#31

2,2-Dichloropropane

Concen: 18.026 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN064034.D

Acq: 9 Oct 2020 13:36

Instrument :

MSVOA_N

ClientSampleId :

VN1009WBS01

Tot Ion: 77 Resp: 91127

Ion Ratio Lower Upper

77 100

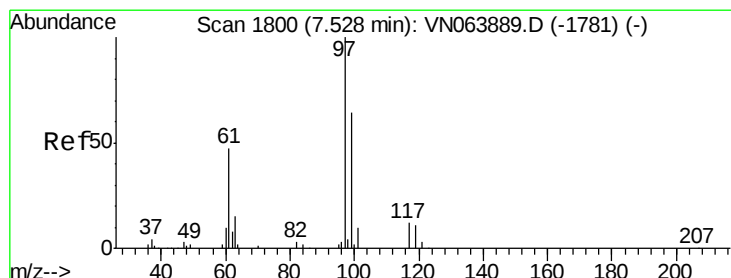
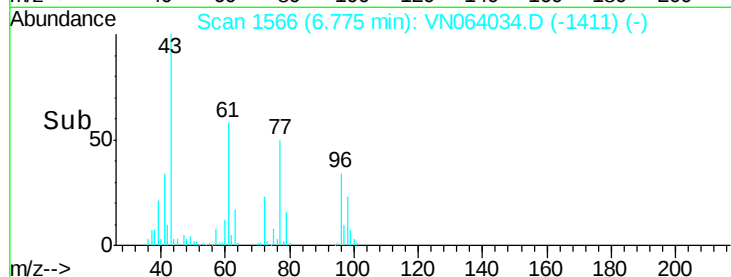
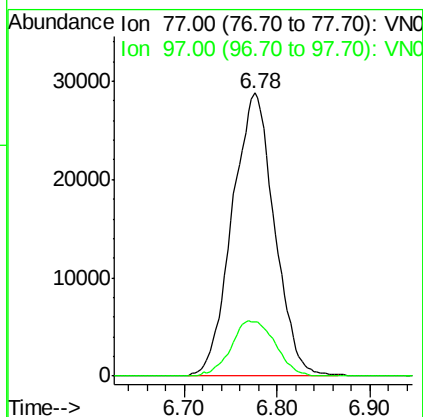
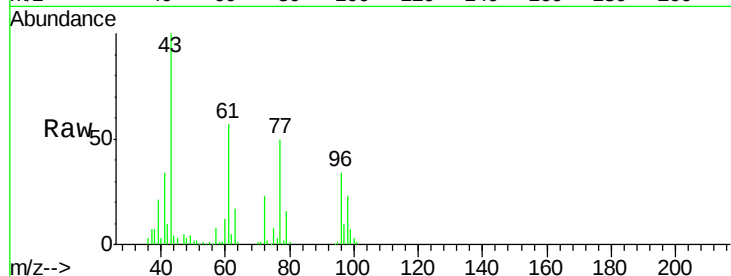
97 20.1 18.2 27.4

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 18.185 ug/l

RT: 7.53 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN064034.D

Acq: 9 Oct 2020 13:36

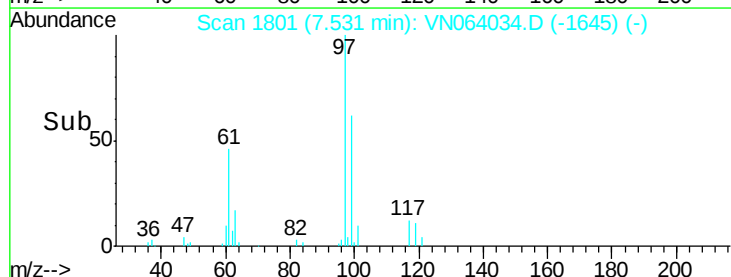
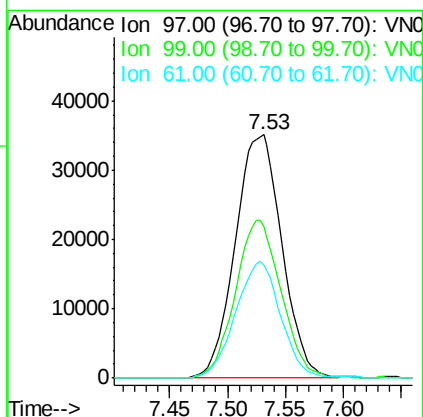
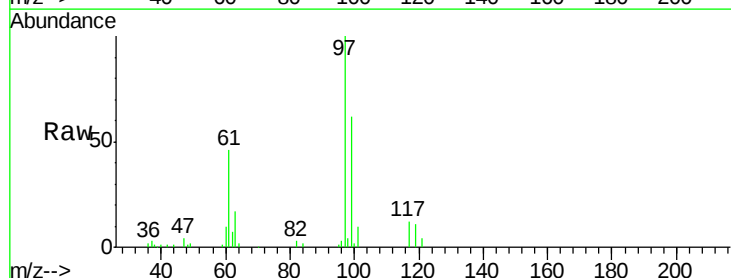
Tgt Ion: 97 Resp: 98132

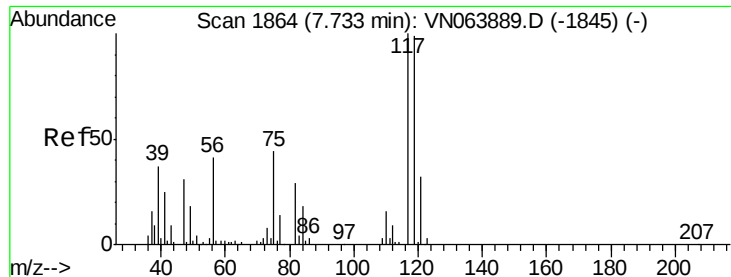
Ion Ratio Lower Upper

97 100

99 63.3 51.7 77.5

61 46.1 35.3 52.9





#33

Carbon Tetrachloride

Concen: 18.063 ug/l

RT: 7.73 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VN064034.D

Acq: 9 Oct 2020 13:36

Instrument :

MSVOA_N

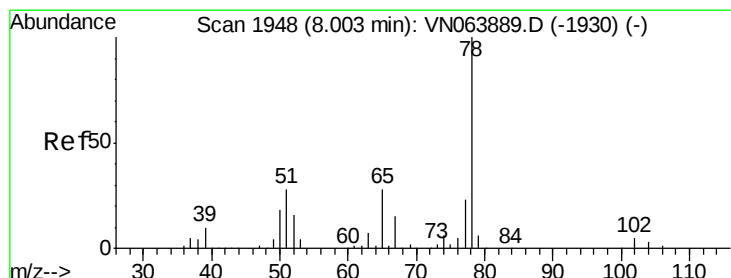
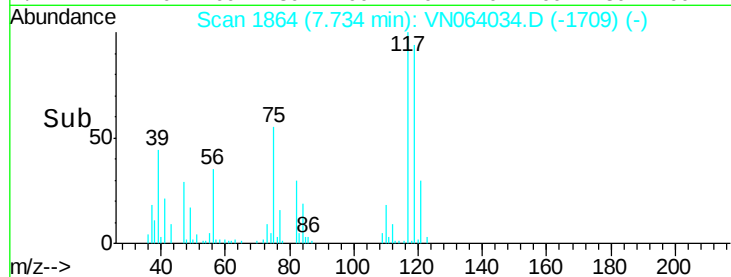
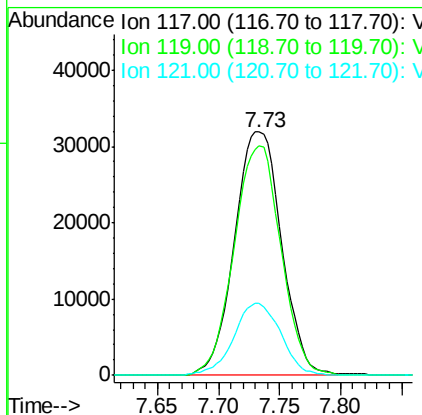
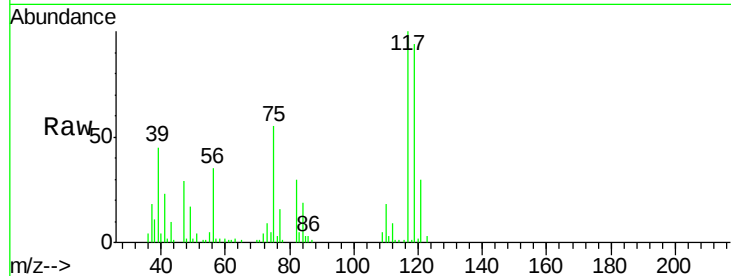
ClientSampleId :

VN1009WBS01

Tot Ion:	117	Resp:	85400
Ion	Ratio	Lower	Upper
117	100		
119	94.4	73.0	109.4
121	29.7	24.9	37.3

Manual Integrations
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#34

Benzene

Concen: 18.595 ug/l

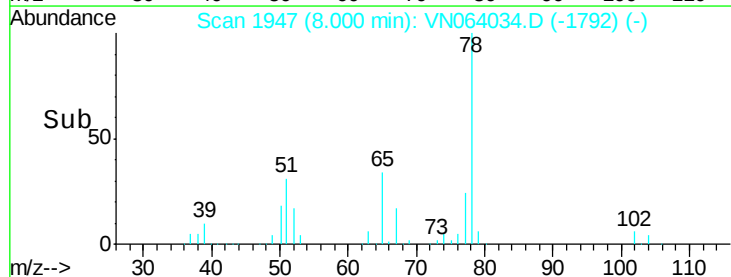
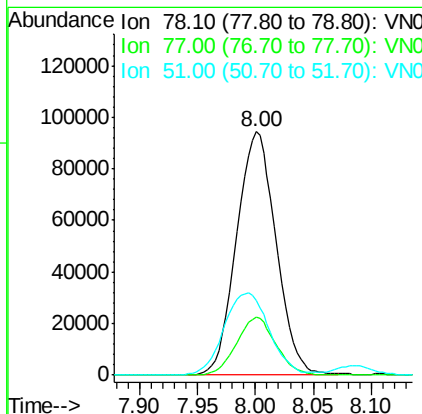
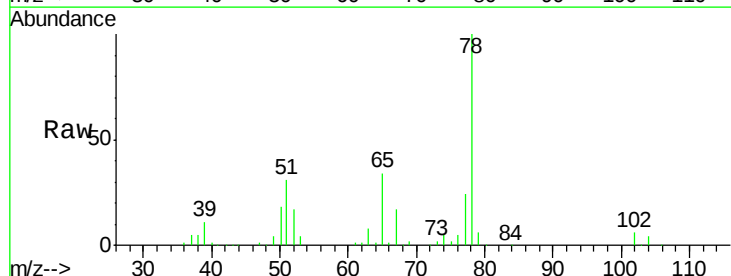
RT: 8.00 min Scan# 1947

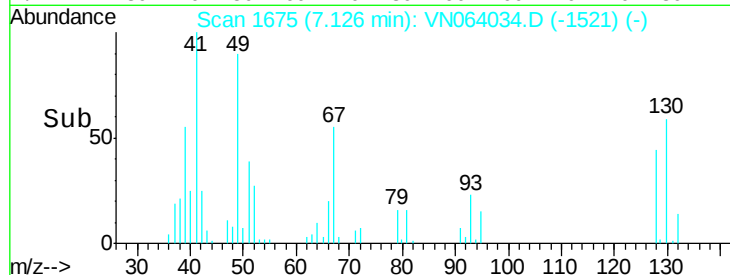
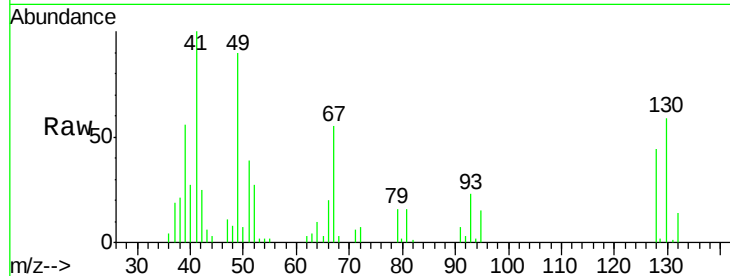
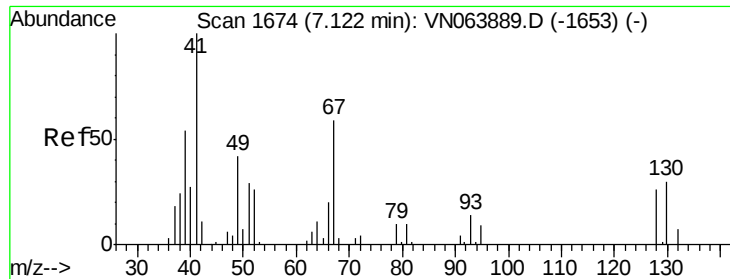
Delta R.T. -0.00 min

Lab File: VN064034.D

Acq: 9 Oct 2020 13:36

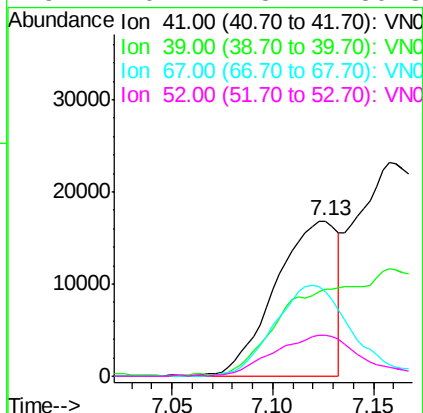
Tgt Ion:	78	Resp:	223633
Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.6	27.8
51	30.0	22.2	33.2





#35
Methacrylonitrile
Concen: 18.150 ug/l
RT: 7.13 min Scan# 1675
Delta R.T. -0.00 min
Lab File: VN064034.D
Acq: 9 Oct 2020 13:36

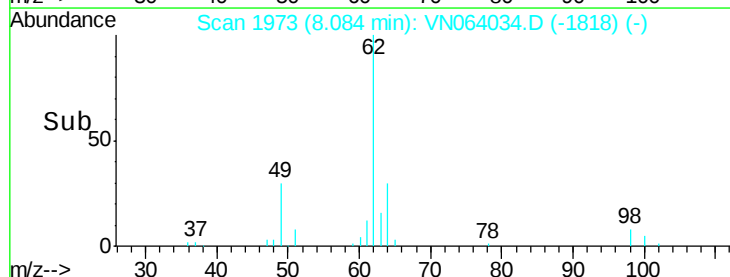
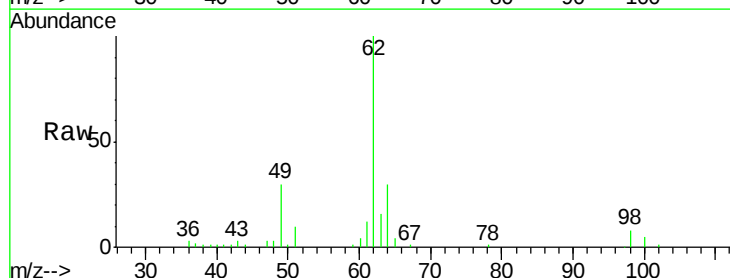
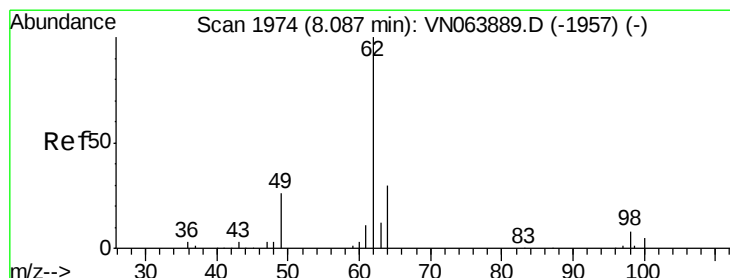
Tot Ion	Ratio	Lower	Upper
41	100		
39	54.8	23.7	71.1
67	54.7	31.6	94.7
52	26.7	13.1	39.3



Instrument :
MSVOA_N
ClientSampleId :
VN1009WBS01

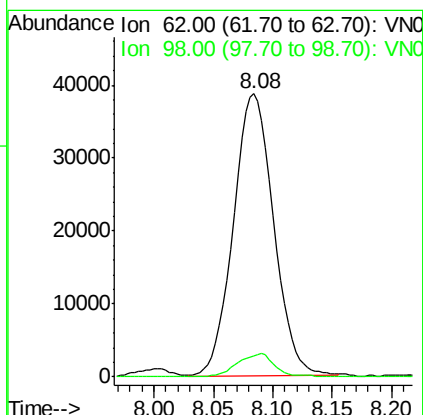
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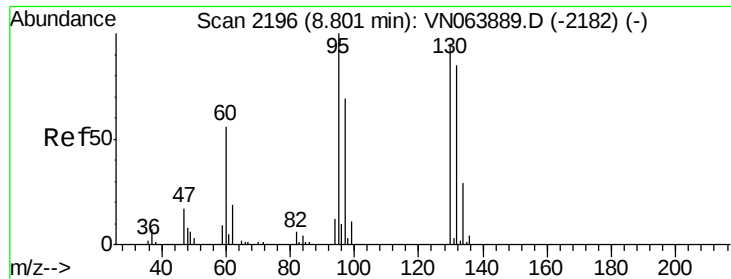
MMDadoda
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#36
1,2-Dichloroethane
Concen: 17.130 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN064034.D
Acq: 9 Oct 2020 13:36

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.7	7.6	11.4





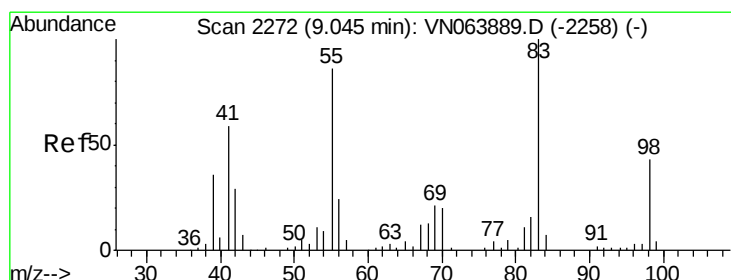
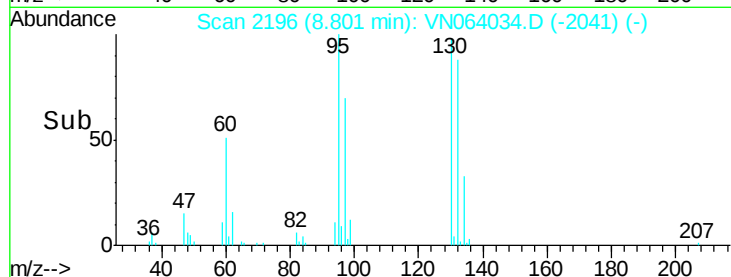
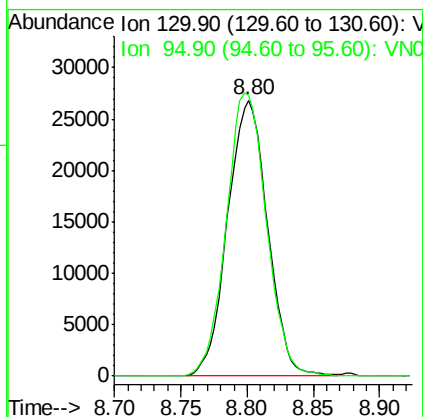
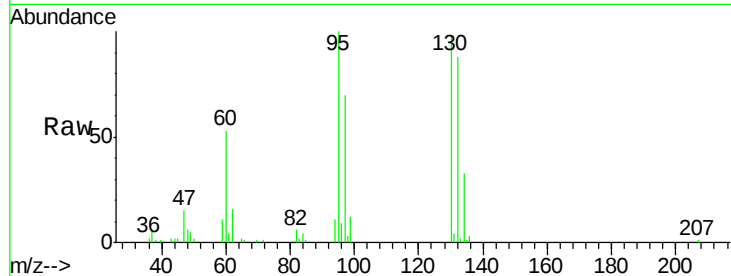
#37
 Trichloroethene
 Concen: 17.875 ug/l
 RT: 8.80 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN064034.D
 Acq: 9 Oct 2020 13:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1009WBS01

Tot Ion:130 Resp: 56325
 Ion Ratio Lower Upper
 130 100
 95 101.8 78.9 118.3

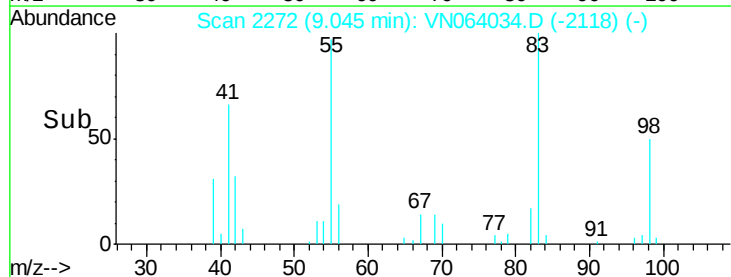
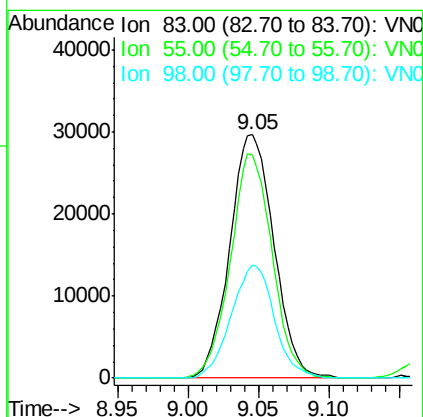
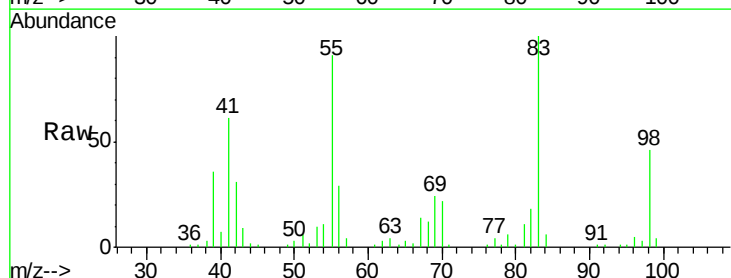
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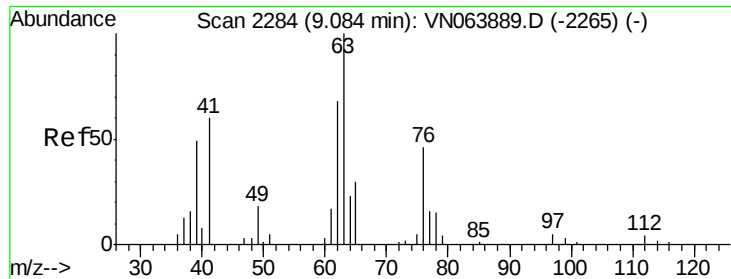
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#38
 Methylcyclohexane
 Concen: 18.202 ug/l
 RT: 9.05 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VN064034.D
 Acq: 9 Oct 2020 13:36

Tgt Ion: 83 Resp: 65010
 Ion Ratio Lower Upper
 83 100
 55 86.9 41.9 125.7
 98 45.2 22.2 66.6





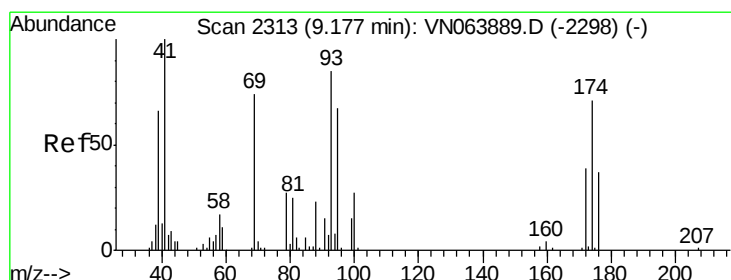
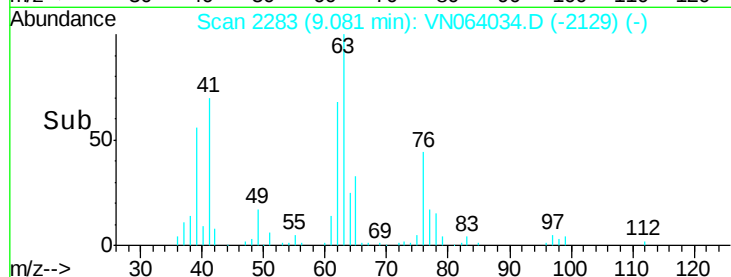
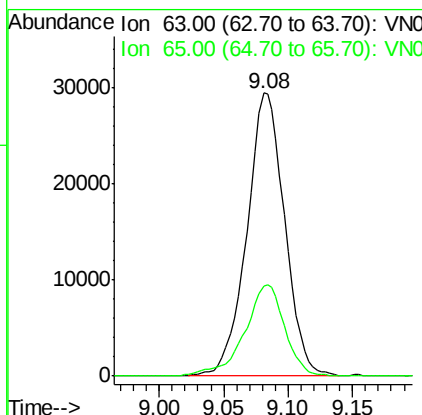
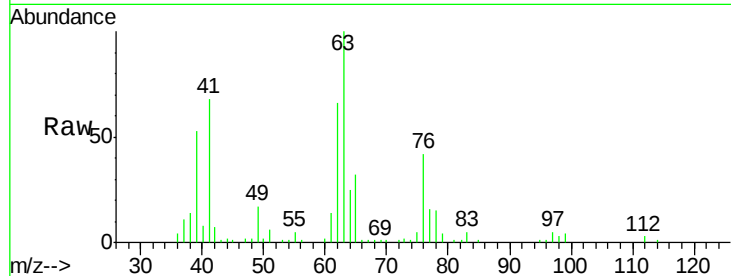
#39
 1,2-Dichloropropane
 Concen: 18.467 ug/l
 RT: 9.08 min Scan# 2283
 Delta R.T. -0.00 min
 Lab File: VN064034.D
 Acq: 9 Oct 2020 13:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1009WBS01

Tot Ion: 63 Resp: 60345
 Ion Ratio Lower Upper
 63 100
 65 31.7 25.1 37.7

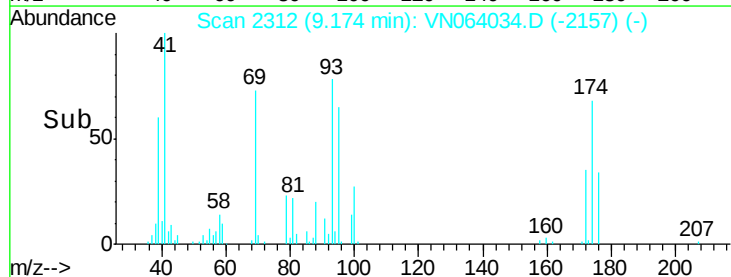
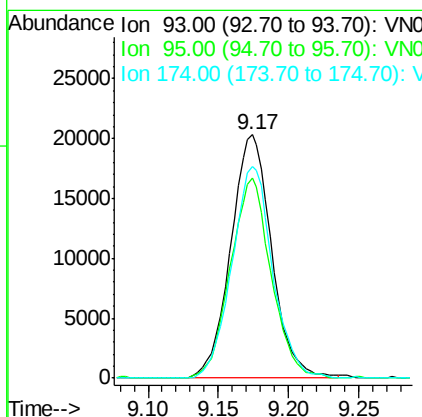
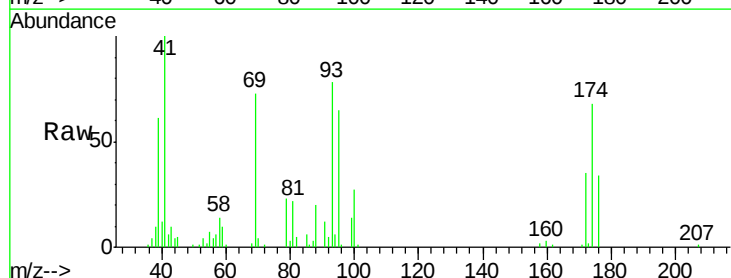
Manual Integrations
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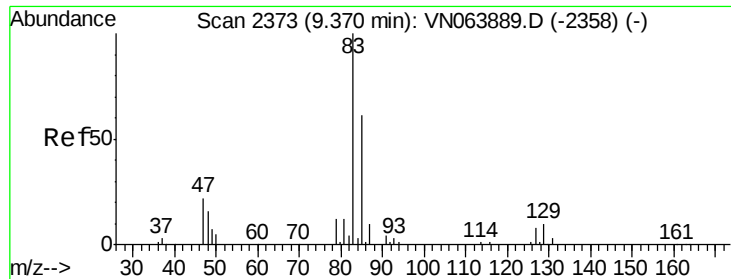
MMDadoda
 10/12/2020 2:10:06 PM



#40
 Dibromomethane
 Concen: 18.015 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN064034.D
 Acq: 9 Oct 2020 13:36

Tgt Ion: 93 Resp: 41115
 Ion Ratio Lower Upper
 93 100
 95 82.0 0.0 168.2
 174 86.4 0.0 208.4





#41

Bromodichloromethane

Concen: 17.493 ug/l

RT: 9.37 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN064034.D

Acq: 9 Oct 2020 13:36

Instrument :

MSVOA_N

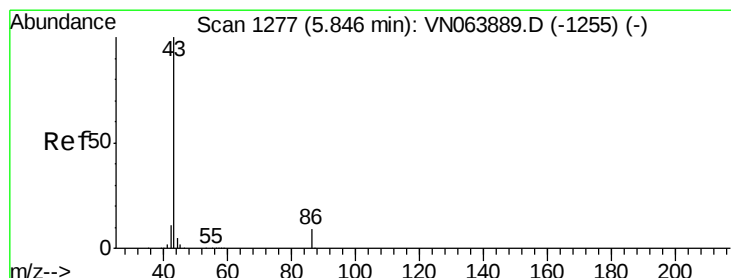
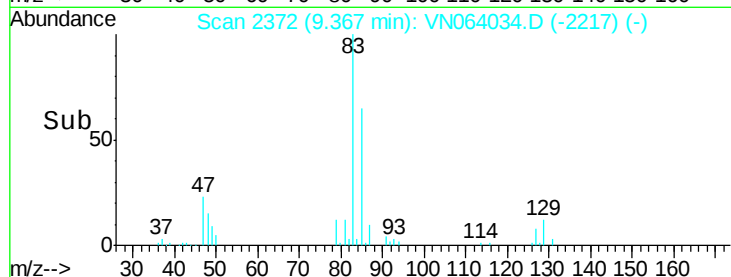
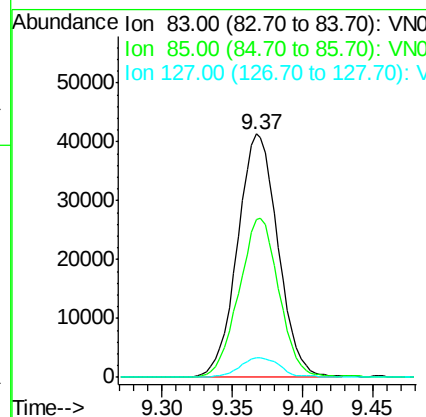
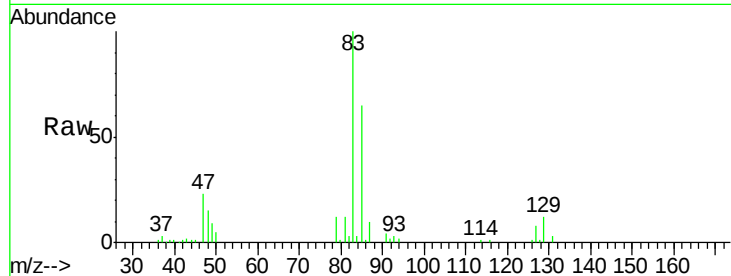
ClientSampleId :

VN1009WBS01

Tot Ion:	83	Resp:	82977
Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.6	79.0
127	8.2	7.4	11.0

Manual Integrations
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10/12/2020 2:10:06 PM



#42

Vinyl Acetate

Concen: 90.598 ug/l

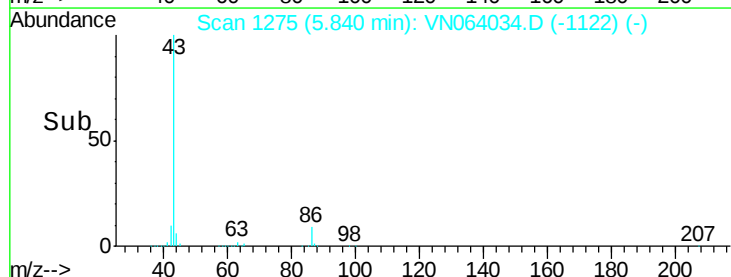
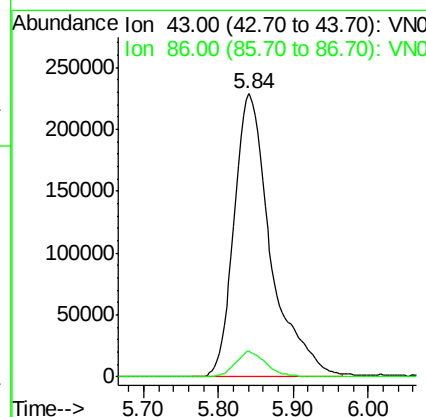
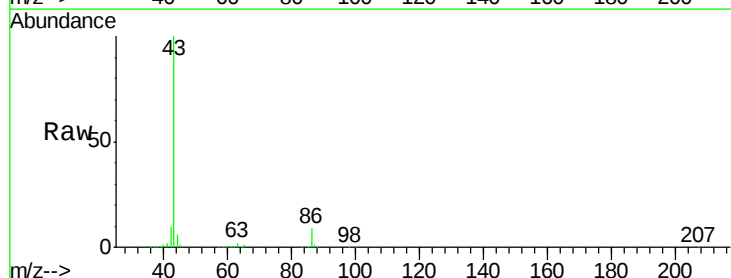
RT: 5.84 min Scan# 1275

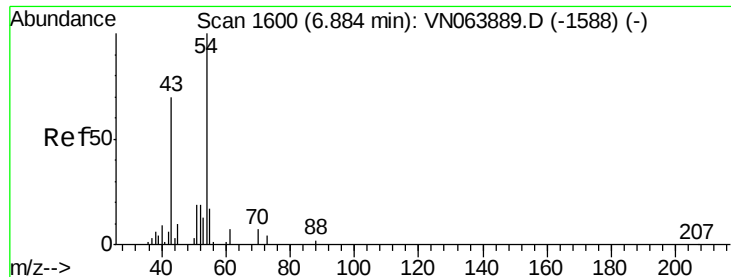
Delta R.T. -0.01 min

Lab File: VN064034.D

Acq: 9 Oct 2020 13:36

Tgt Ion:	43	Resp:	780090
Ion	Ratio	Lower	Upper
43	100		
86	7.5	6.7	10.1





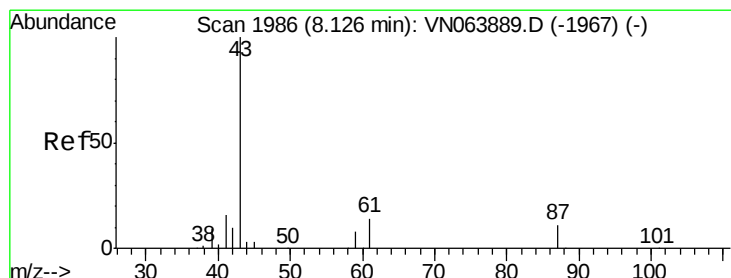
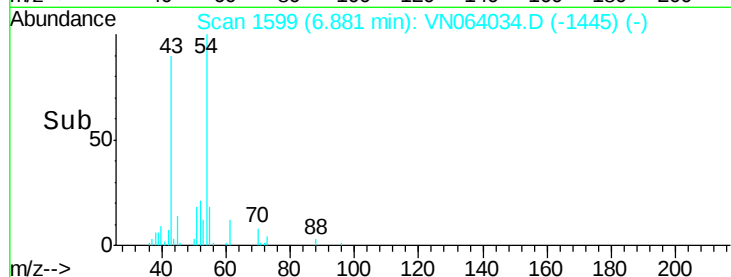
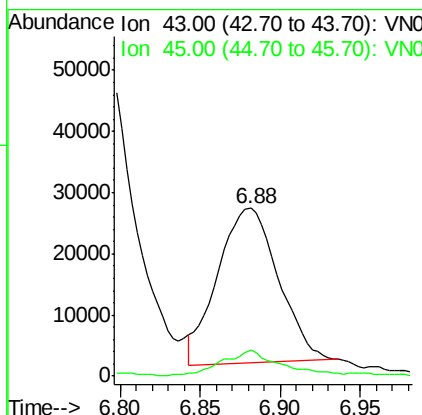
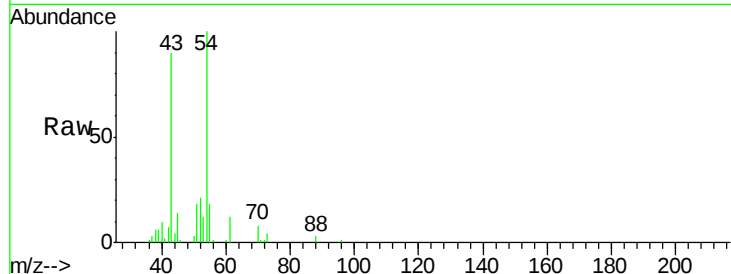
#43
Ethyl Acetate
Concen: 14.884 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VN064034.D
Acq: 9 Oct 2020 13:36

Instrument :
MSVOA_N
ClientSampled :
VN1009WBS01

Tot Ion	43	45	Ratio	Lower	Upper
66126	100	15.6		11.3	16.9

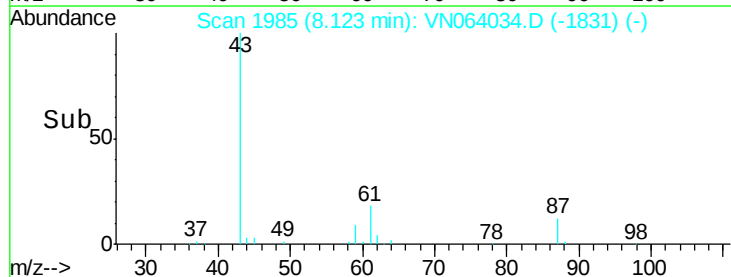
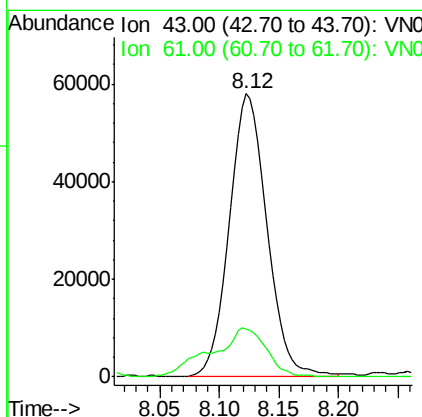
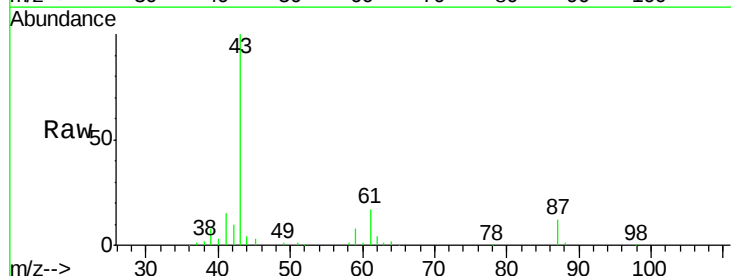
Manual Integrations
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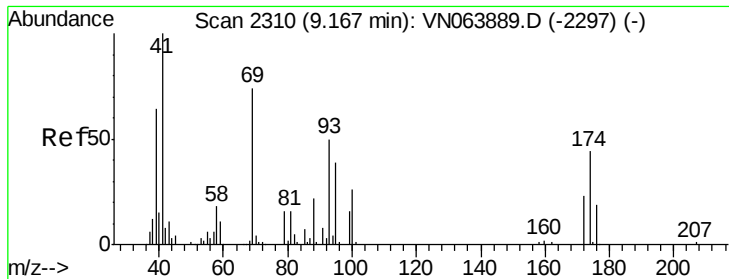
MMDadoda
10/12/2020 2:10:06 PM



#44
Isopropyl Acetate
Concen: 17.130 ug/l
RT: 8.12 min Scan# 1985
Delta R.T. -0.00 min
Lab File: VN064034.D
Acq: 9 Oct 2020 13:36

Tgt Ion	43	61	Ratio	Lower	Upper
126127	100	14.9		17.5	26.3#





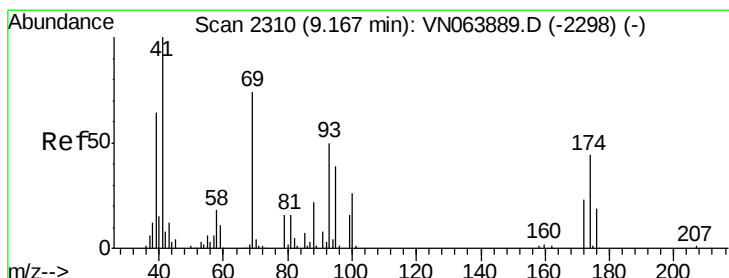
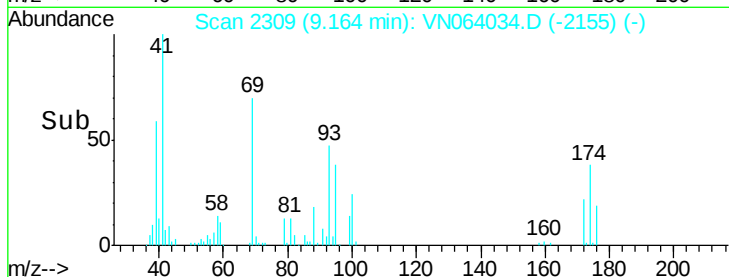
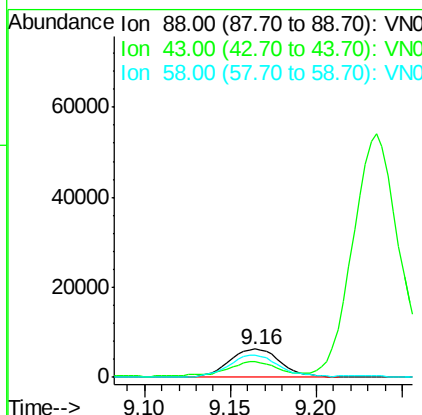
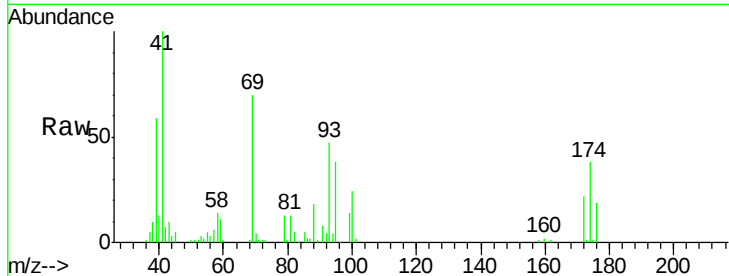
#45
 1,4-Dioxane
 Concen: 278.688 ug/l
 RT: 9.16 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN064034.D
 Acq: 9 Oct 2020 13:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1009WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.8	28.5	42.7
58	77.3	59.6	89.4

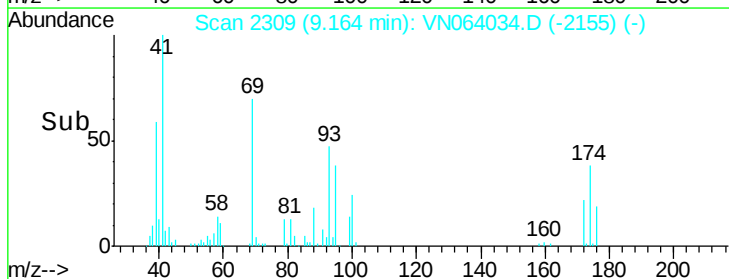
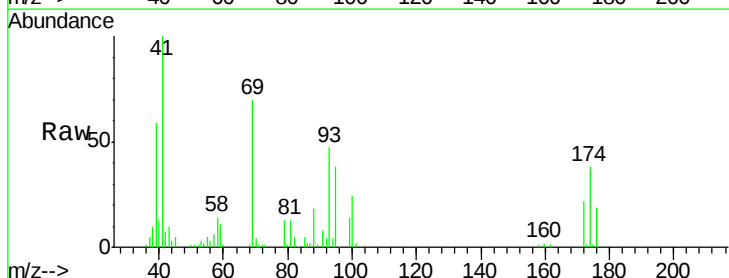
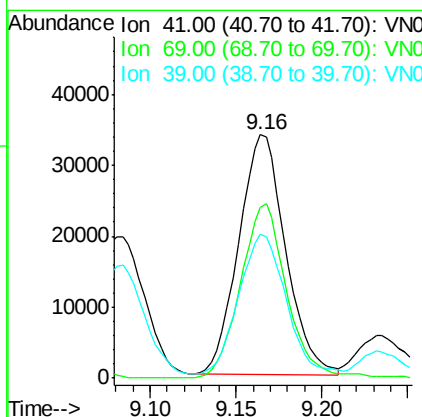
Manual Integrations
 APPROVED

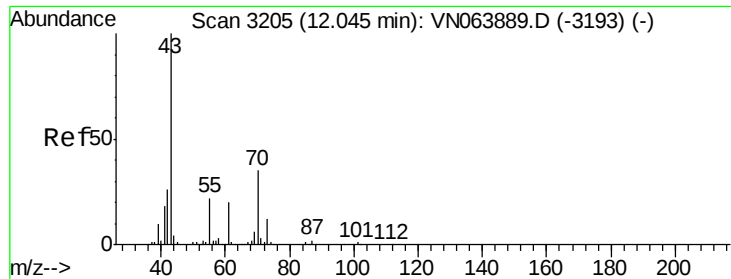
MMDadoda
 10/12/2020 2:10:06 PM



#46
 Methyl methacrylate
 Concen: 17.420 ug/l
 RT: 9.16 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN064034.D
 Acq: 9 Oct 2020 13:36

Tgt Ion	Ratio	Lower	Upper
41	100		
69	71.5	42.6	128.0
39	58.1	25.1	75.4





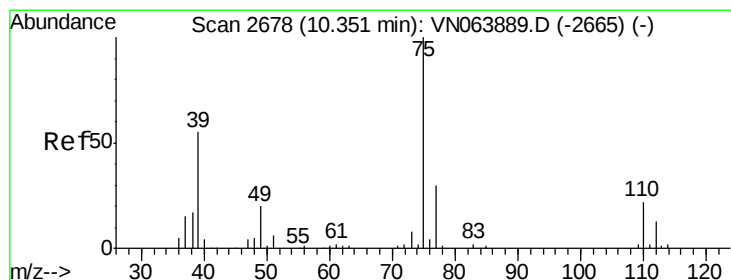
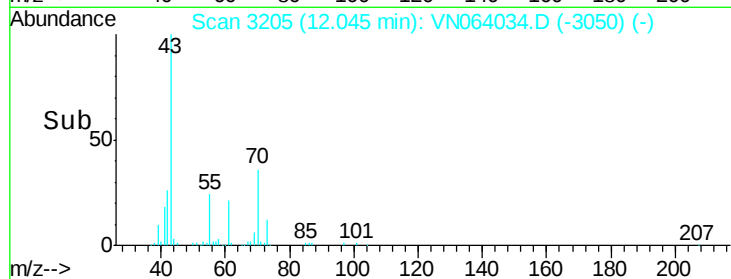
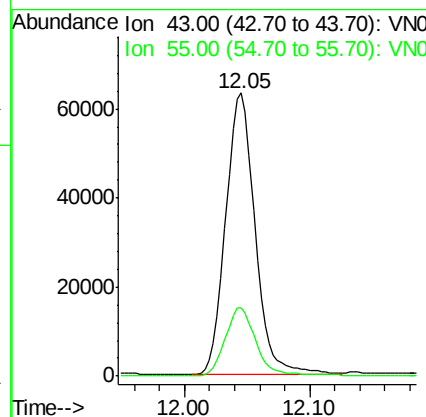
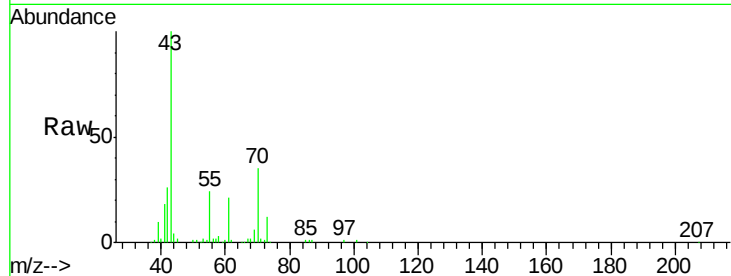
#47
n-amvl Acetate
Concen: 15.721 ug/l
RT: 12.05 min Scan# 3205
Delta R.T. -0.00 min
Lab File: VN064034.D
Acq: 9 Oct 2020 13:36

Instrument :
MSVOA_N
ClientSampleId :
VN1009WBS01

Tot Ion: 43 Resp: 102916
Ion Ratio Lower Upper
43 100
55 25.4 21.2 31.8

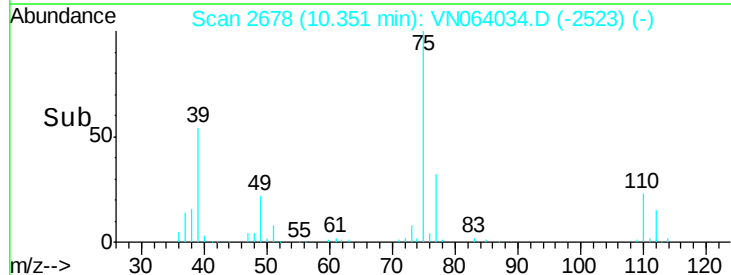
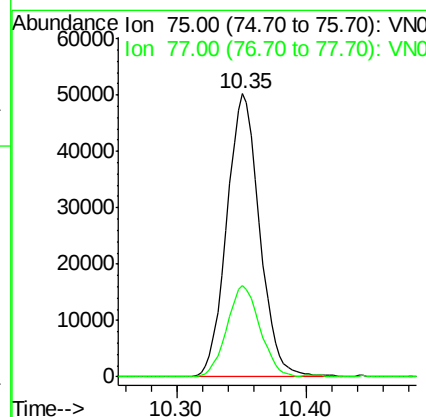
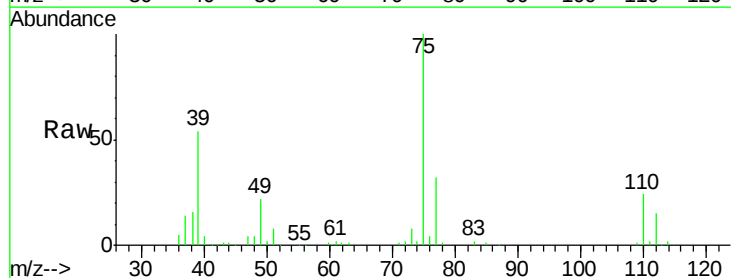
Manual Integrations
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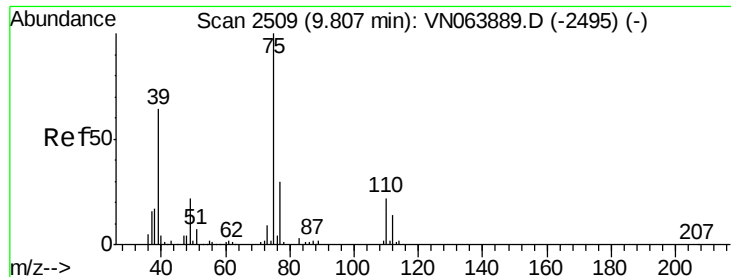
MMDadoda
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#48
t-1,3-Dichloropropene
Concen: 17.292 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN064034.D
Acq: 9 Oct 2020 13:36

Tgt Ion: 75 Resp: 88635
Ion Ratio Lower Upper
75 100
77 32.1 23.8 35.8





#49

cis-1,3-Dichloropropene

Concen: 17.572 ug/l

RT: 9.81 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN064034.D

Acq: 9 Oct 2020 13:36

Instrument :

MSVOA_N

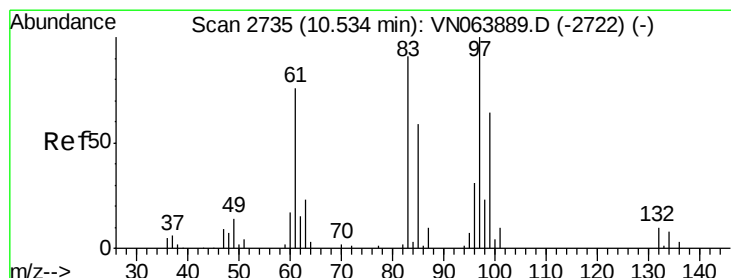
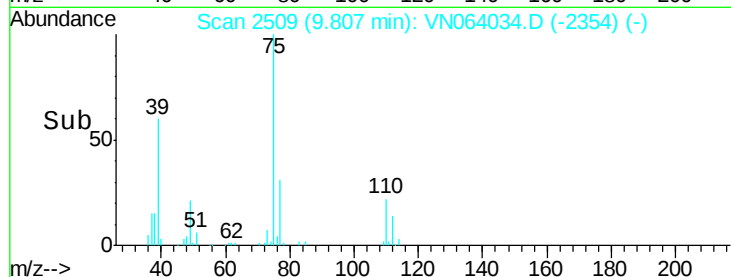
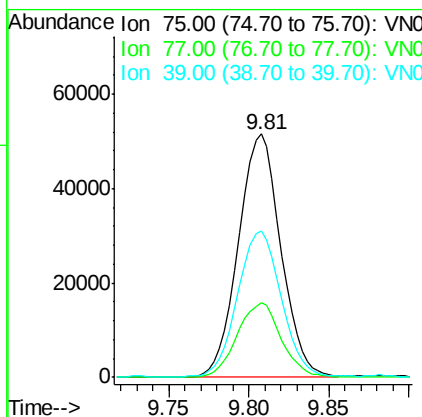
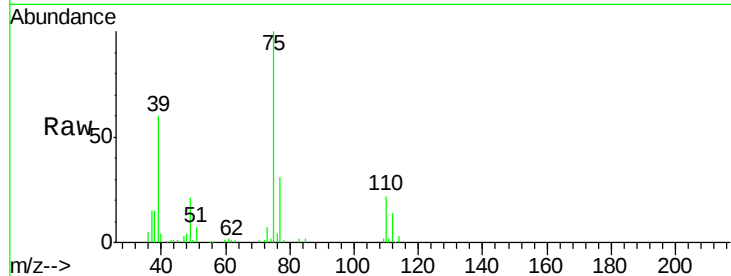
ClientSampleId :

VN1009WBS01

Tot Ion:	75	Resp:	93403
Ion Ratio	Lower	Upper	
75	100		
77	30.6	24.8	37.2
39	59.5	34.5	51.7#

Manual Integrations
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#50

1,1,2-Trichloroethane

Concen: 18.060 ug/l

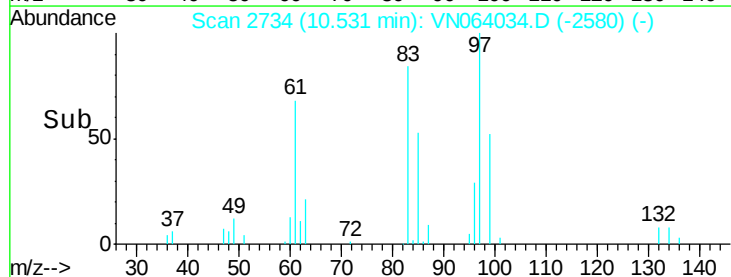
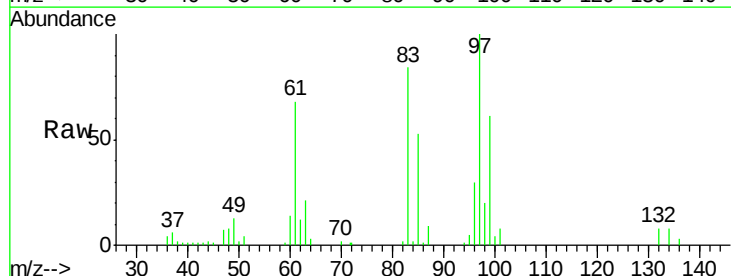
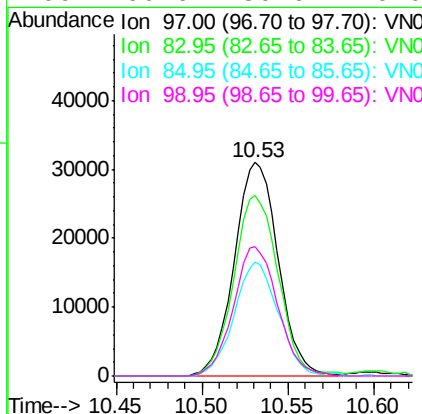
RT: 10.53 min Scan# 2734

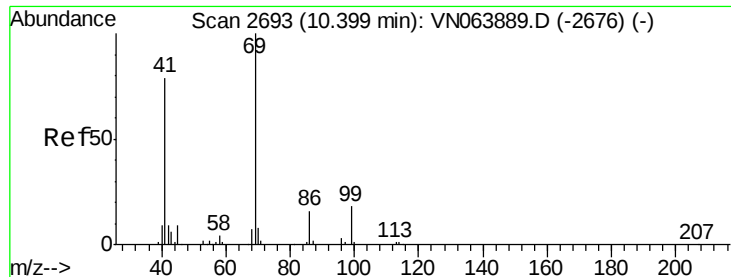
Delta R.T. -0.00 min

Lab File: VN064034.D

Acq: 9 Oct 2020 13:36

Tgt Ion:	97	Resp:	55038
Ion Ratio	Lower	Upper	
97	100		
83	84.4	69.9	104.9
85	53.3	44.0	66.0
99	60.6	50.6	76.0





#51

Ethyl methacrylate

Concen: 16.840 ug/l m

RT: 10.40 min Scan# 2693

Delta R.T. -0.00 min

Lab File: VN064034.D

Acq: 9 Oct 2020 13:36

Instrument :

MSVOA_N

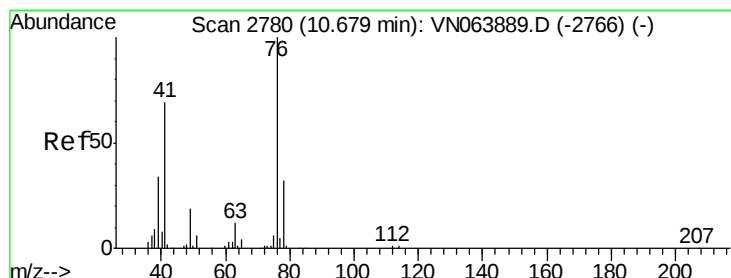
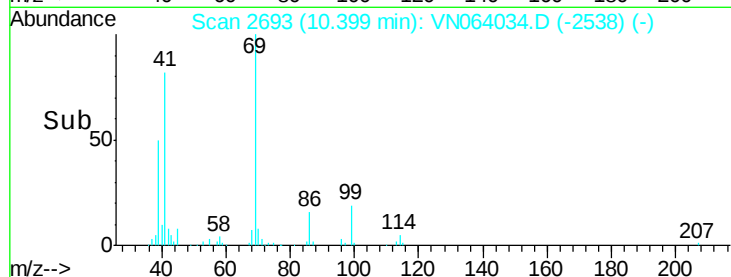
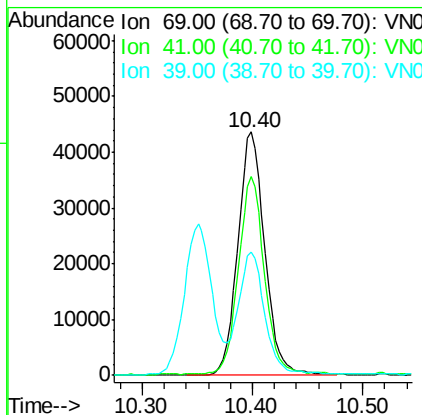
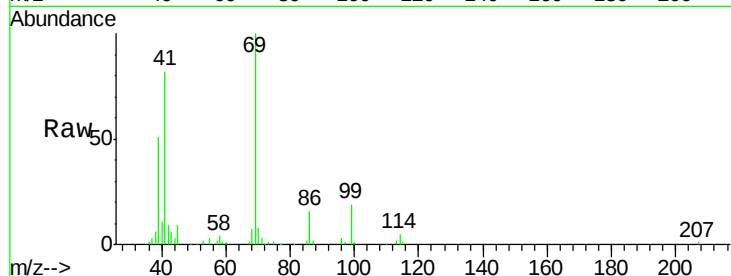
ClientSampleId :

VN1009WBS01

Tot Ion:	69	Resp:	74441
Ion	Ratio	Lower	Upper
69	100		
41	81.7	32.1	96.5
39	50.7	16.1	48.3#

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 17.493 ug/l

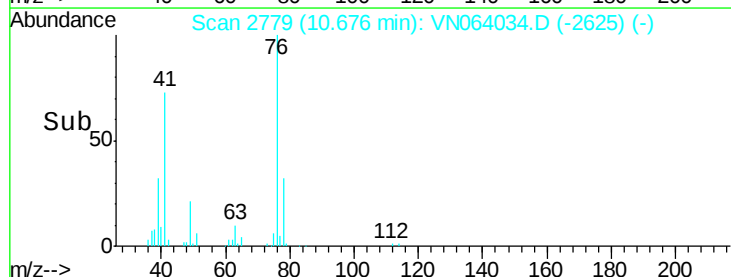
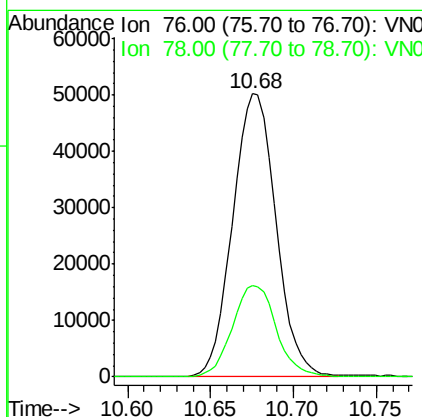
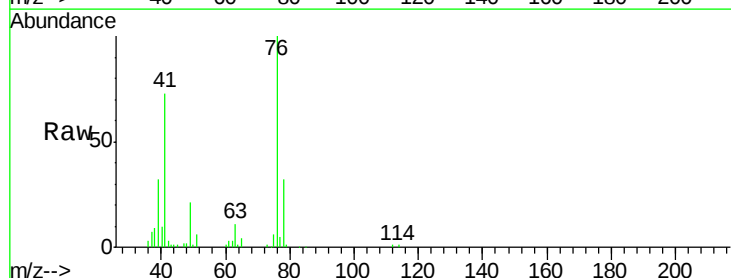
RT: 10.68 min Scan# 2779

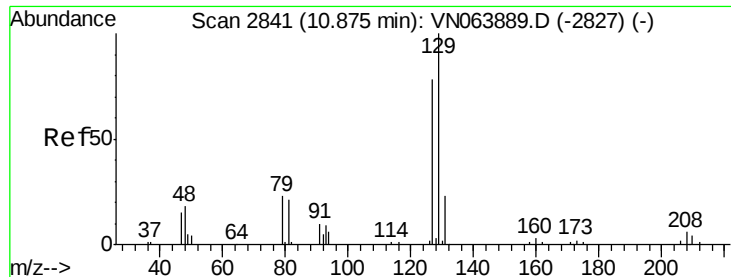
Delta R.T. -0.00 min

Lab File: VN064034.D

Acq: 9 Oct 2020 13:36

Tgt Ion:	76	Resp:	91319
Ion	Ratio	Lower	Upper
76	100		
78	32.7	0.0	63.2





#53

Dibromochloromethane

Concen: 17.412 ug/l

RT: 10.87 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VN064034.D

Acq: 9 Oct 2020 13:36

Instrument :

MSVOA_N

ClientSampleId :

VN1009WBS01

Tot Ion:129 Resp: 61073

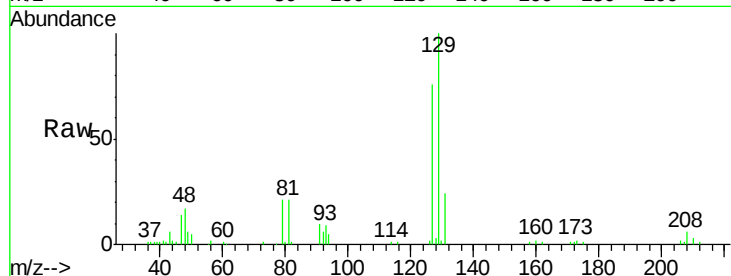
Ion Ratio Lower Upper

129 100

127 79.6 38.7 116.1

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

10.87

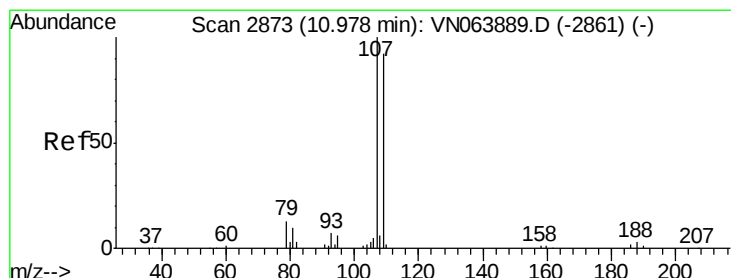
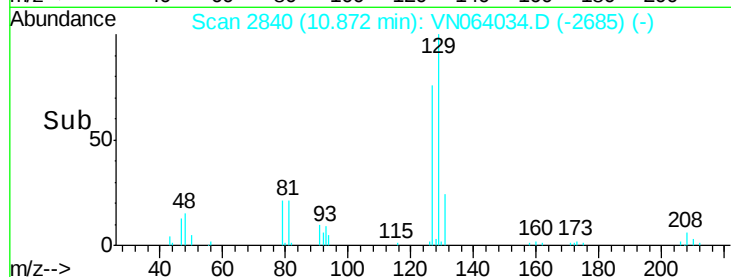
30000

20000

10000

0

Time--> 10.80 10.85 10.90 10.95



#54

1,2-Dibromoethane

Concen: 17.217 ug/l

RT: 10.98 min Scan# 2873

Delta R.T. -0.00 min

Lab File: VN064034.D

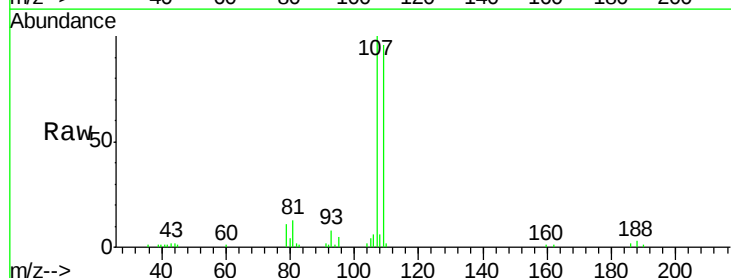
Acq: 9 Oct 2020 13:36

Tgt Ion:107 Resp: 55014

Ion Ratio Lower Upper

107 100

109 95.3 76.3 114.5



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

10.98

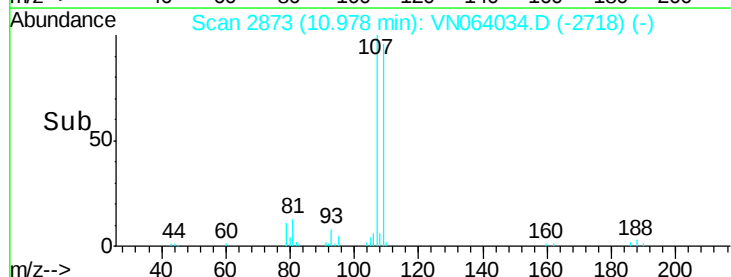
30000

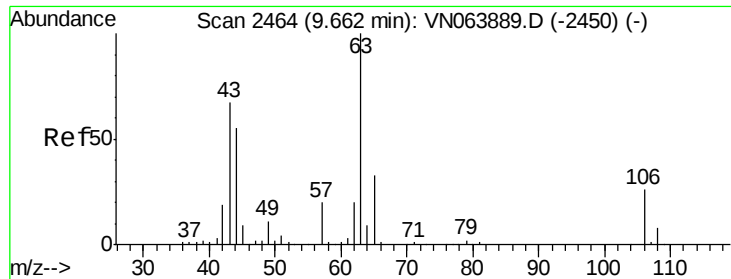
20000

10000

0

Time--> 10.90 10.95 11.00 11.05





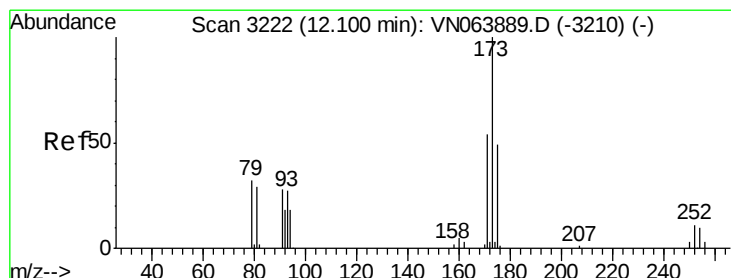
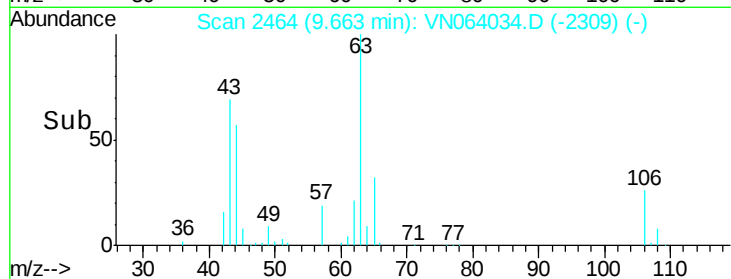
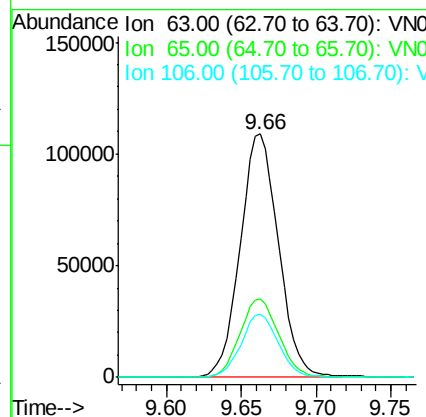
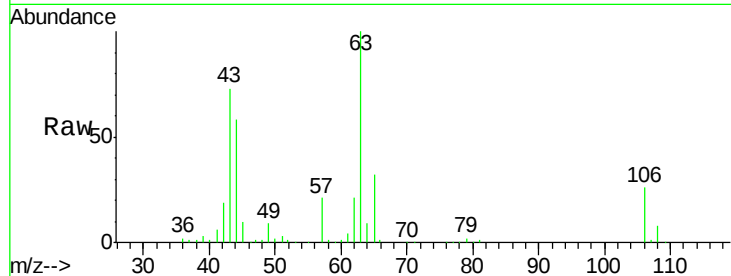
#55
2-Chloroethyl vinyl ether
Concen: 82.323 ug/l
RT: 9.66 min Scan# 2464
Delta R.T. -0.00 min
Lab File: VN064034.D
Acq: 9 Oct 2020 13:36

Instrument :
MSVOA_N
ClientSampleId :
VN1009WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.6	25.9	38.9
106	25.4	19.9	29.9

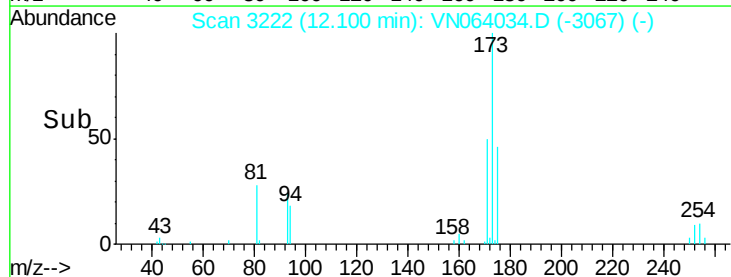
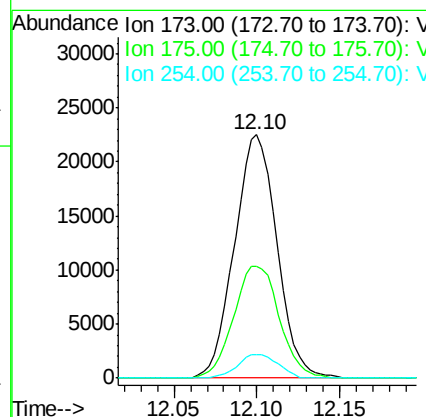
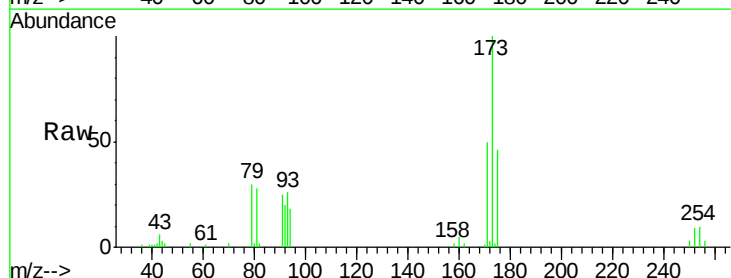
Manual Integrations
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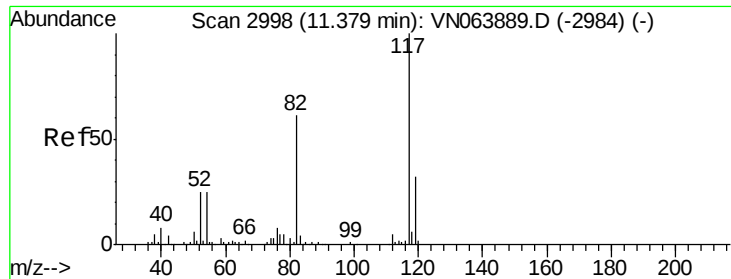
MMDadoda
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#56
Bromoform
Concen: 16.508 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN064034.D
Acq: 9 Oct 2020 13:36

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.3	41.2	61.8
254	9.3	9.0	13.4





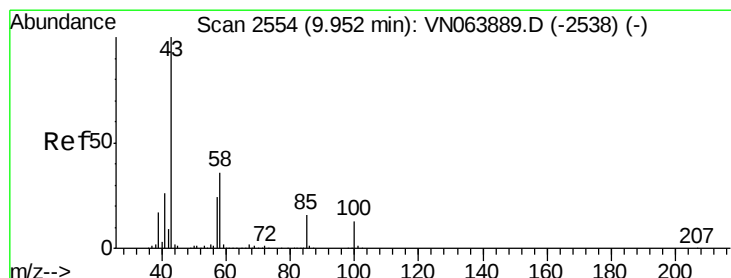
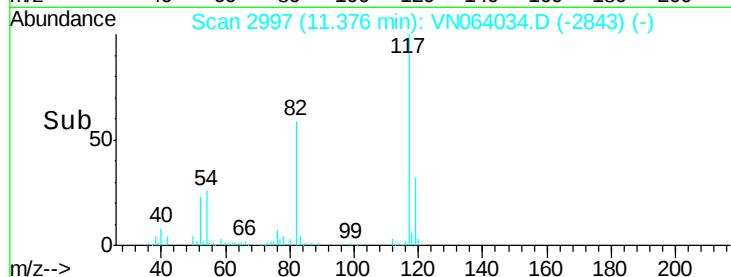
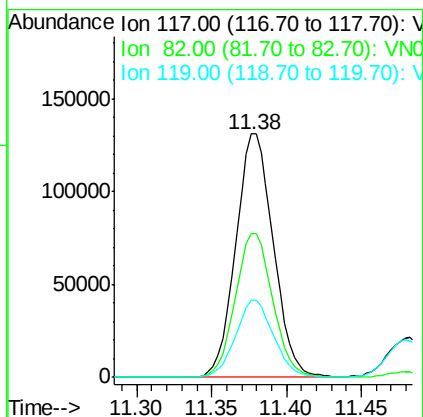
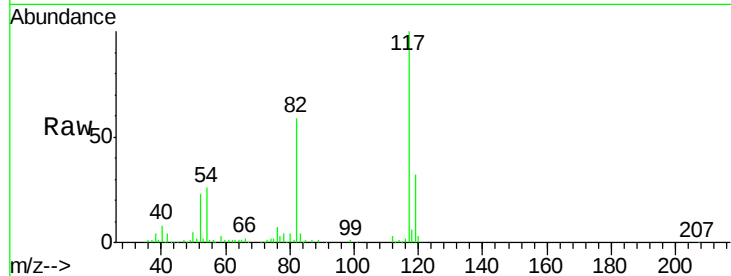
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN064034.D
Acq: 9 Oct 2020 13:36

Instrument :
MSVOA_N
ClientSampleId :
VN1009WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	229379		
82	58.7	44.9	67.3	
119	32.0	26.0	39.0	

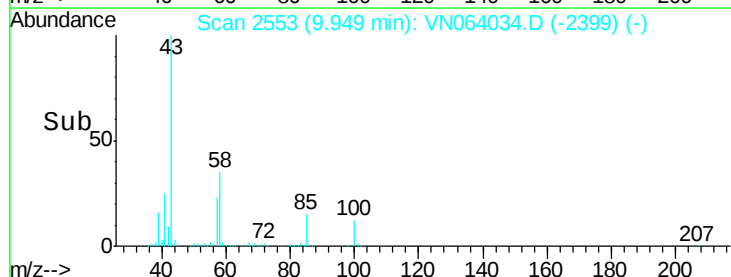
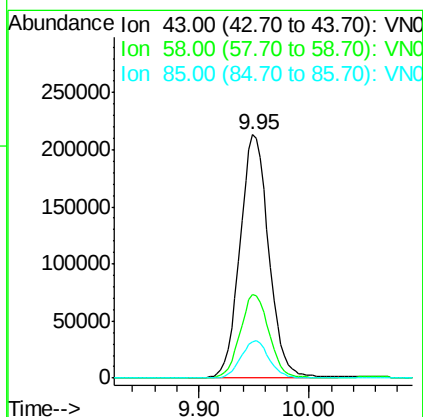
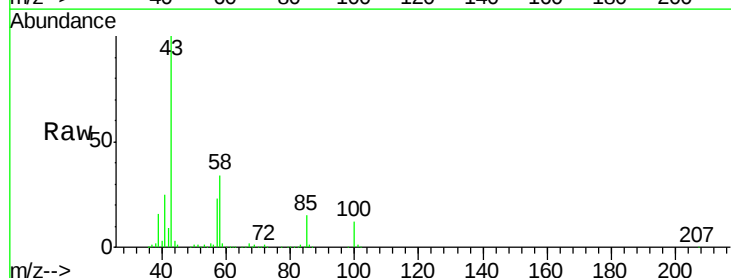
Manual Integrations
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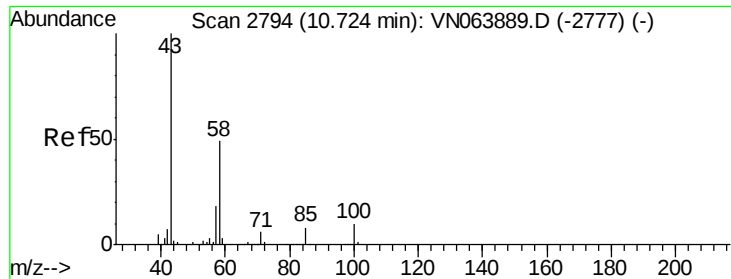
MMDadoda
10/12/2020 2:10:06 PM



#58
4-Methyl-2-Pentanone
Concen: 86.406 ug/l
RT: 9.95 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN064034.D
Acq: 9 Oct 2020 13:36

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	384651		
58	34.7	31.4	47.0	
85	15.0	13.4	20.2	





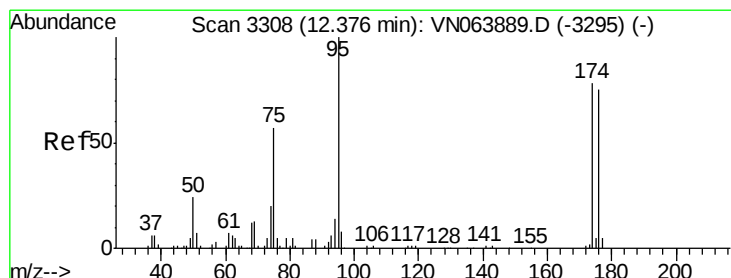
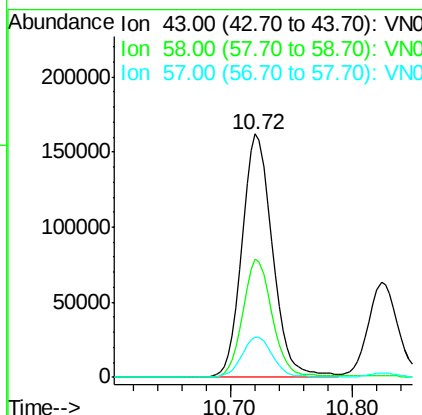
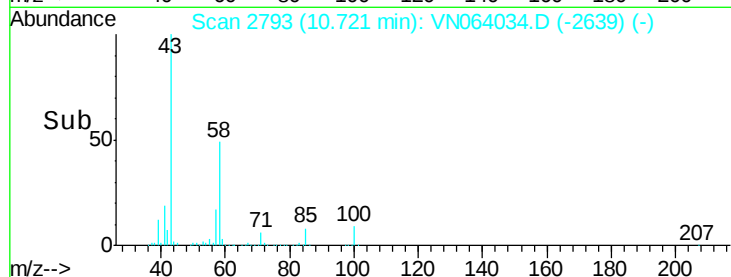
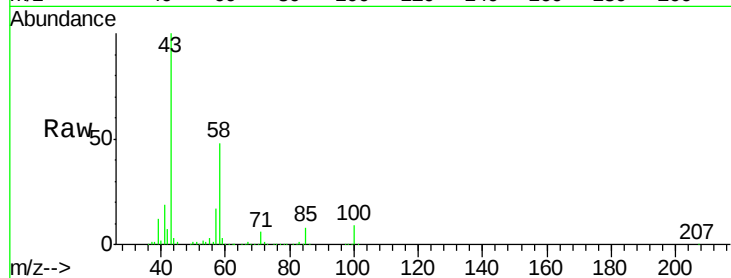
#59
2-Hexanone
Concen: 83.560 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN064034.D
Acq: 9 Oct 2020 13:36

Instrument :
MSVOA_N
ClientSampleId :
VN1009WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	47.2	42.6	64.0
57	17.0	14.6	21.8

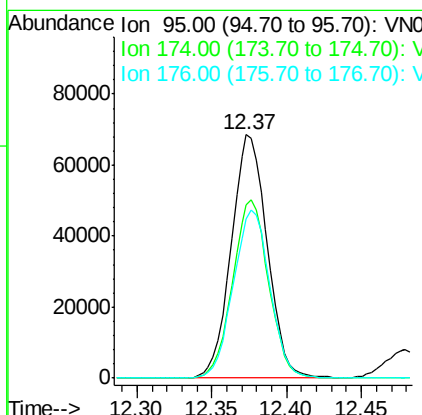
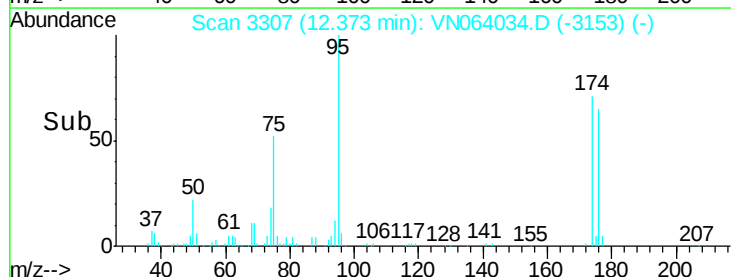
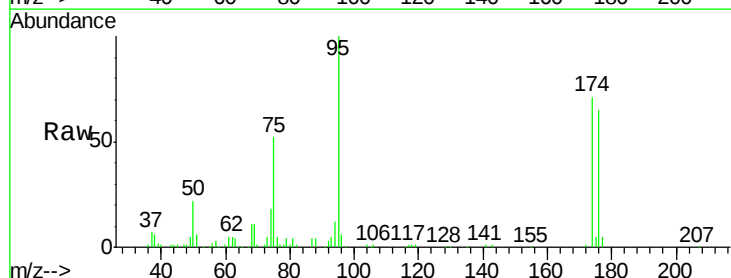
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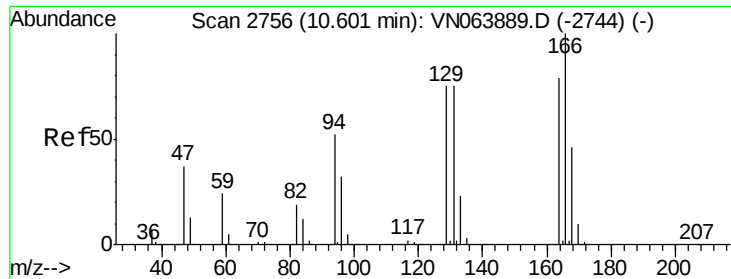
MMDadoda
10/12/2020 2:10:06 PM



#60
4-Bromofluorobenzene
Concen: 29.255 ug/l
RT: 12.37 min Scan# 3307
Delta R.T. -0.00 min
Lab File: VN064034.D
Acq: 9 Oct 2020 13:36

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.0	70.1	105.1
176	70.1	66.8	100.2





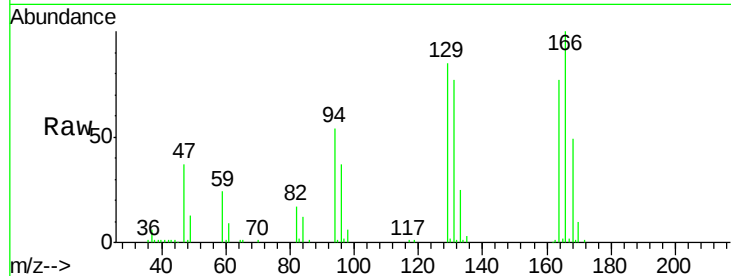
#61
Tetrachloroethene
Concen: 17.782 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN064034.D
Acq: 9 Oct 2020 13:36

Instrument :
MSVOA_N
ClientSampleId :
VN1009WBS01

Tot Ion	Ratio	Lower	Upper
164	100		
166	129.8	100.1	150.1
129	110.1	72.5	108.7
131	99.6	68.4	102.6

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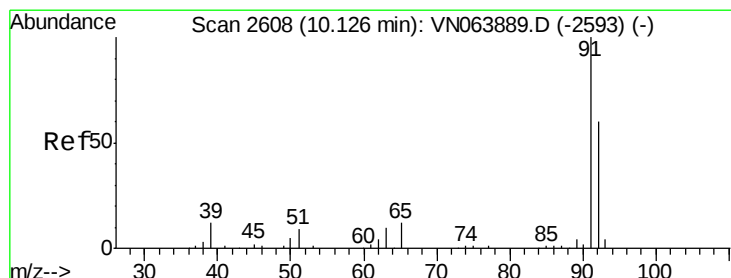
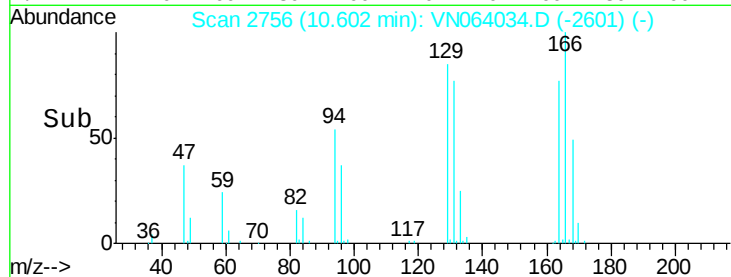
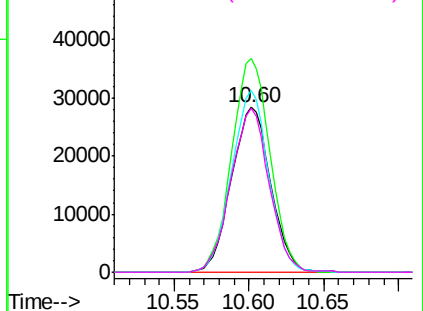


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

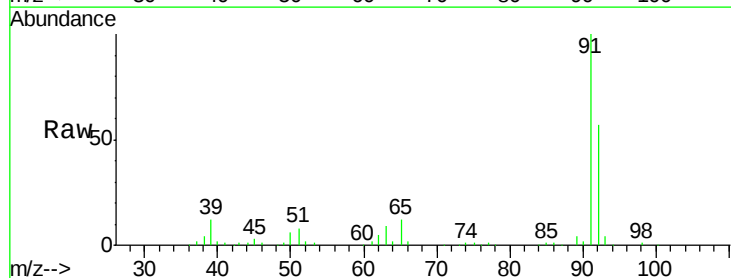
Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



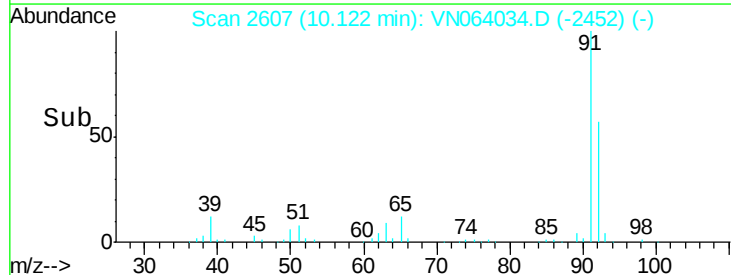
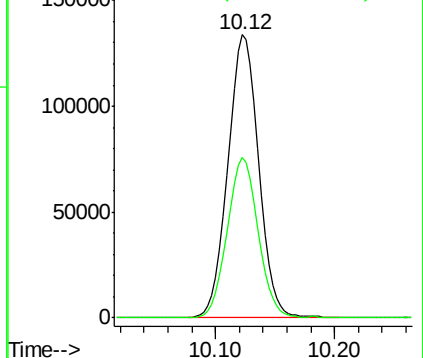
#62
Toluene
Concen: 18.199 ug/l
RT: 10.12 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN064034.D
Acq: 9 Oct 2020 13:36

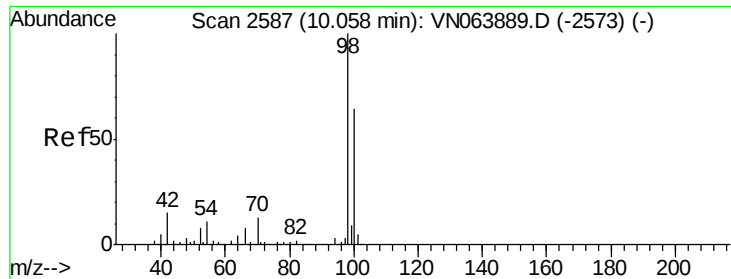
Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.6	45.5	68.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 30.496 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN064034.D

Acq: 9 Oct 2020 13:36

Instrument :

MSVOA_N

ClientSampleId :

VN1009WBS01

Tot Ion: 98 Resp: 317016

Ion Ratio Lower Upper

98 100

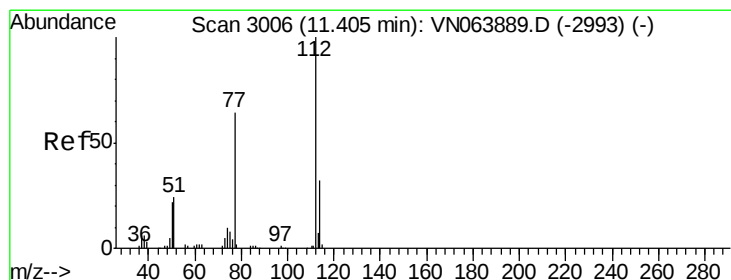
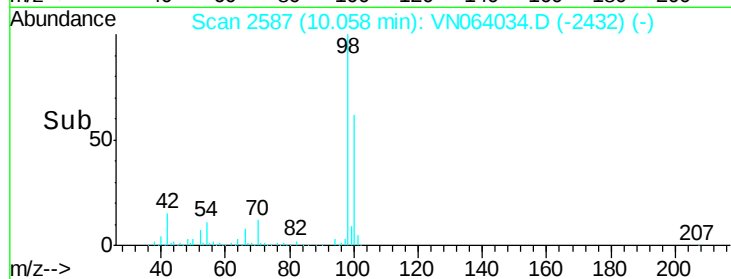
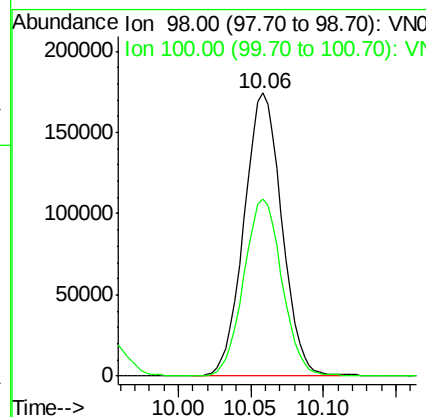
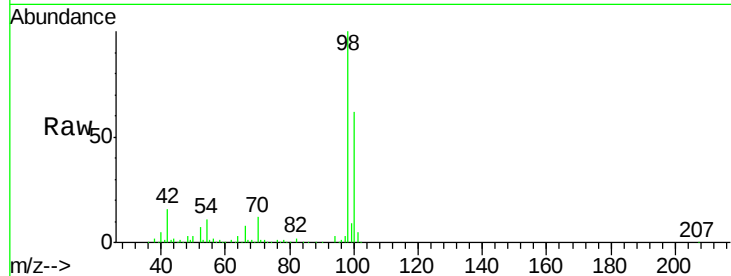
100 63.0 51.4 77.2

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#64

Chlorobenzene

Concen: 17.803 ug/l

RT: 11.41 min Scan# 3006

Delta R.T. -0.00 min

Lab File: VN064034.D

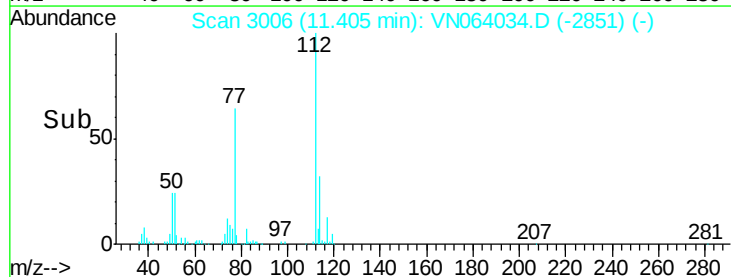
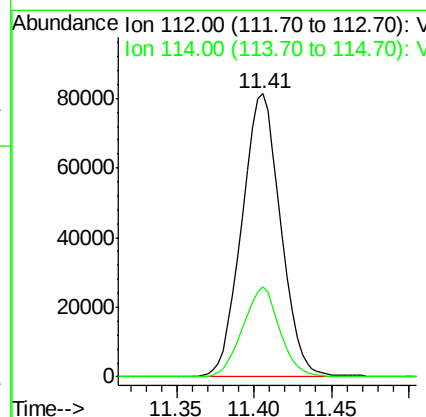
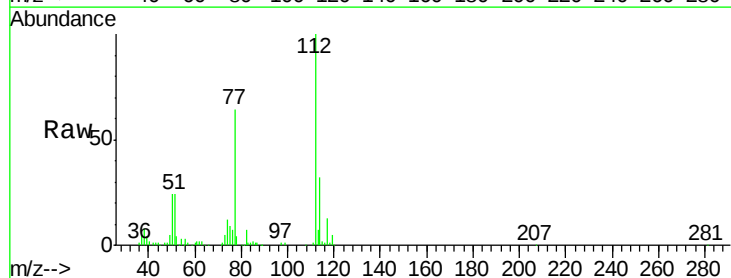
Acq: 9 Oct 2020 13:36

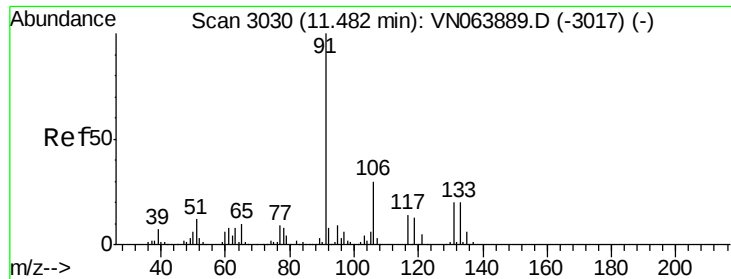
Tgt Ion: 112 Resp: 142154

Ion Ratio Lower Upper

112 100

114 31.7 25.1 37.7





#65

1,1,1,2-Tetrachloroethane

Concen: 17.631 ug/l

RT: 11.48 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN064034.D

Acq: 9 Oct 2020 13:36

Instrument :

MSVOA_N

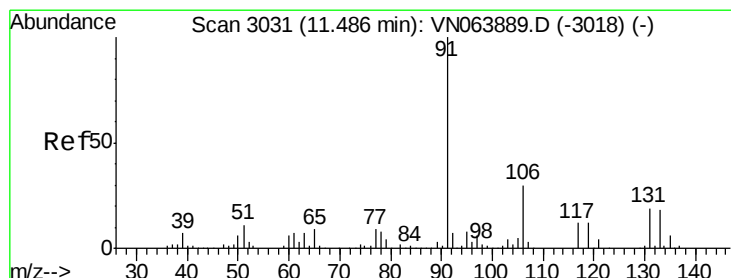
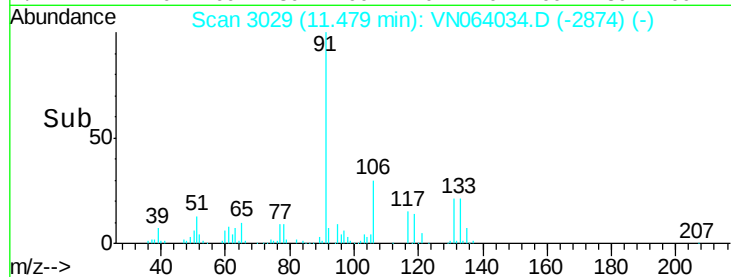
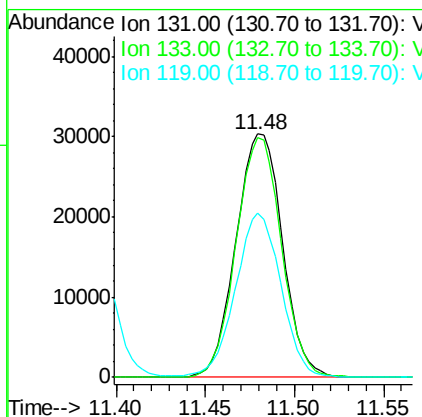
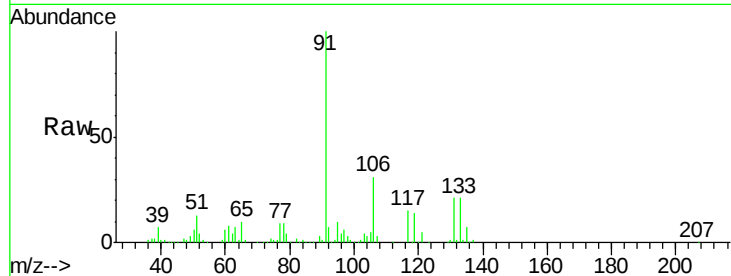
ClientSampleId :

VN1009WBS01

Tot Ion:	131	Resp:	55061
Ion Ratio	Lower	Upper	
131	100		
133	96.1	0.0	191.2
119	66.1	0.0	134.2

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#66

Ethyl Benzene

Concen: 17.765 ug/l

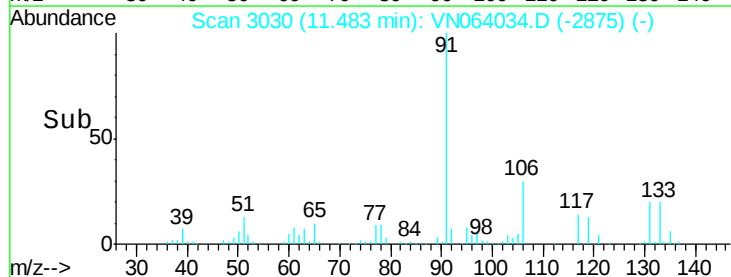
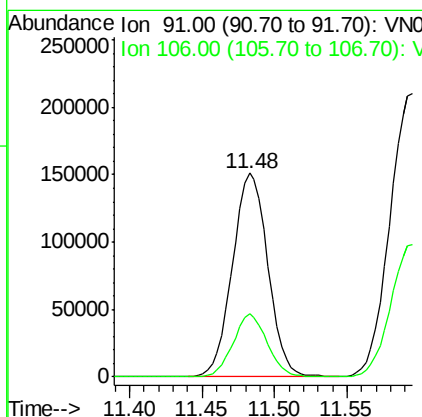
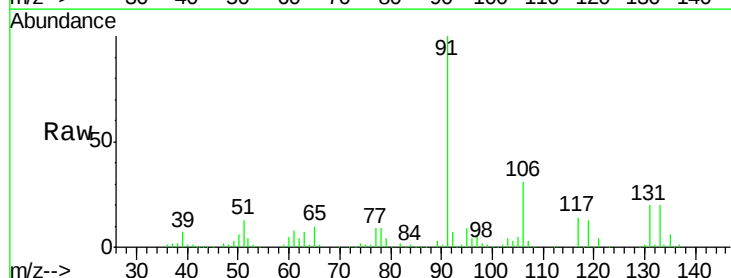
RT: 11.48 min Scan# 3030

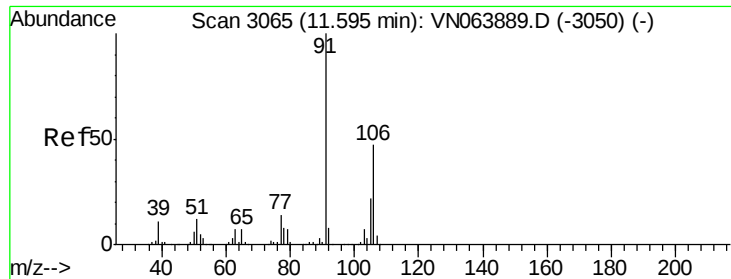
Delta R.T. -0.00 min

Lab File: VN064034.D

Acq: 9 Oct 2020 13:36

Tgt Ion:	91	Resp:	257002
Ion Ratio	Lower	Upper	
91	100		
106	30.8	25.0	37.4





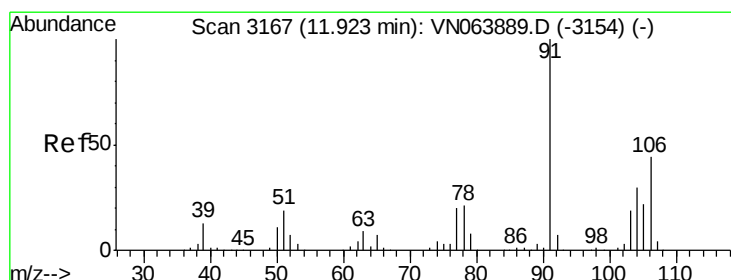
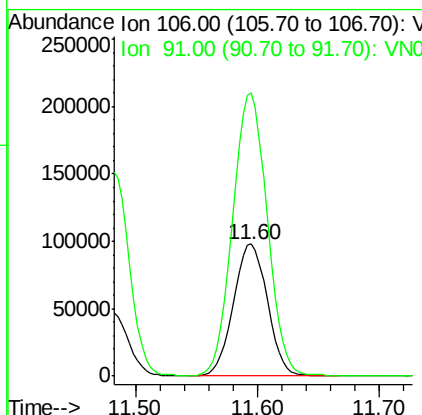
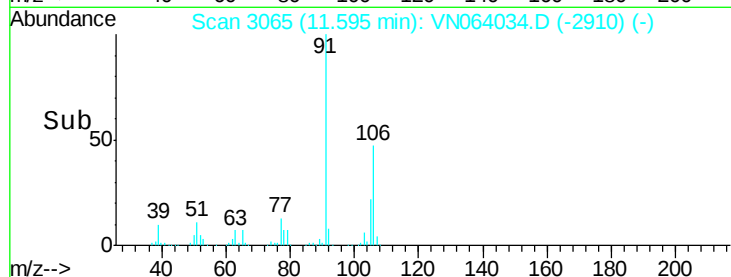
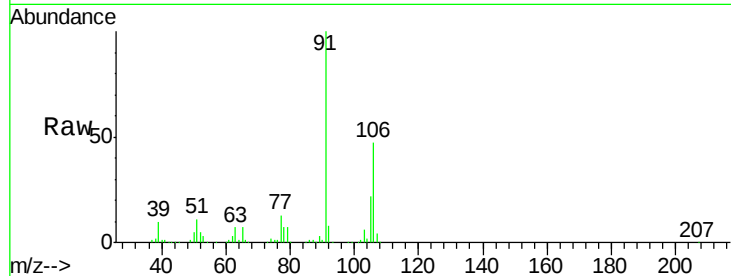
#67
m/p-Xvlenes
Concen: 35.131 ug/l
RT: 11.60 min Scan# 3065
Delta R.T. -0.00 min
Lab File: VN064034.D
Acq: 9 Oct 2020 13:36

Instrument :
MSVOA_N
ClientSampleId :
VN1009WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		188996		
91	217.8	164.9	247.3		

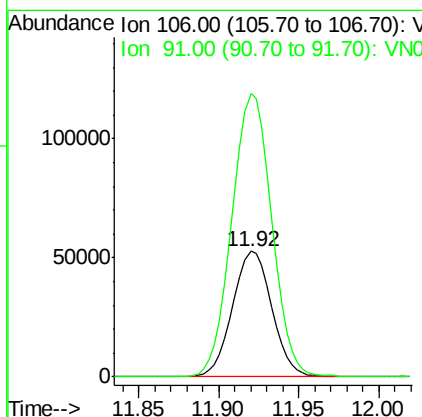
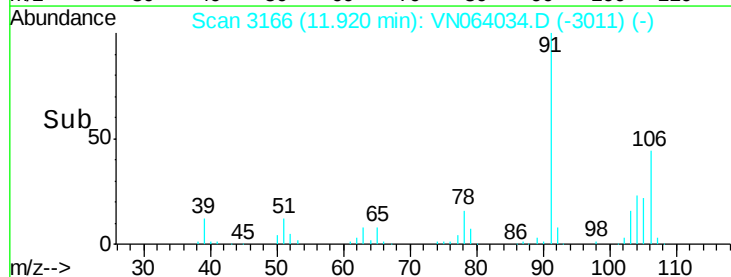
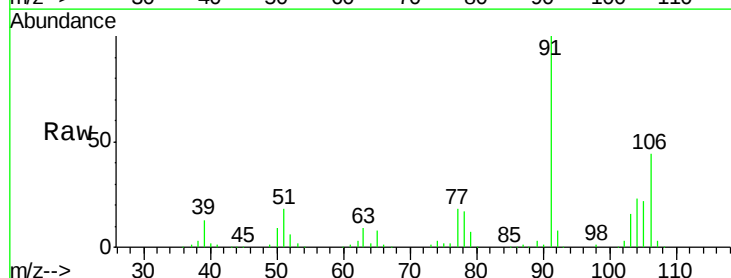
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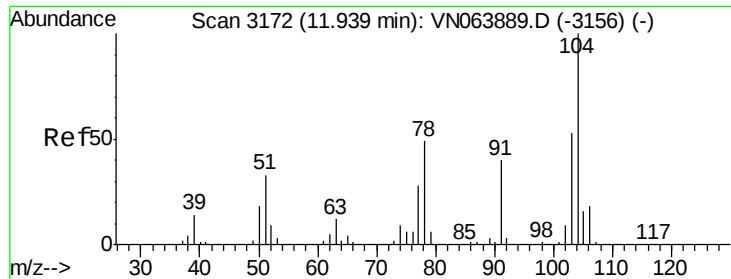
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#68
o-Xylene
Concen: 17.282 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN064034.D
Acq: 9 Oct 2020 13:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		88581		
91	228.7	108.0	324.0		





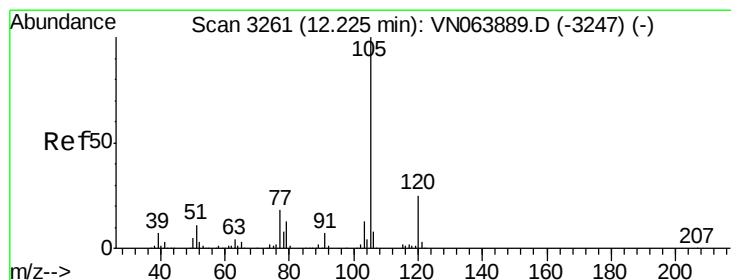
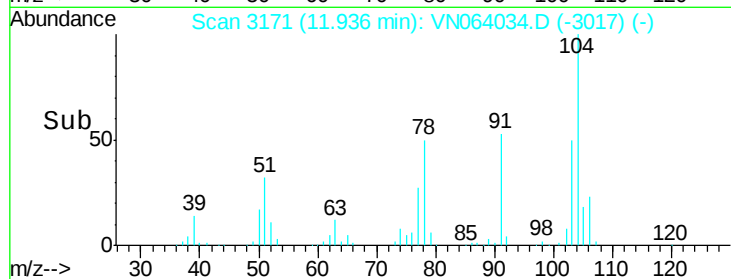
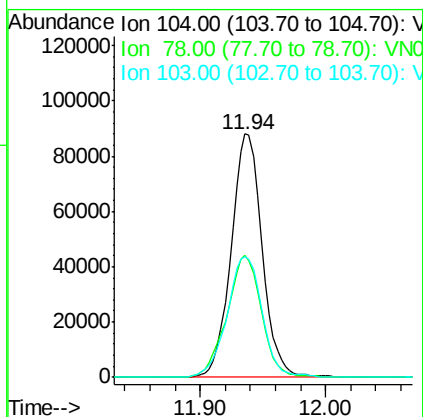
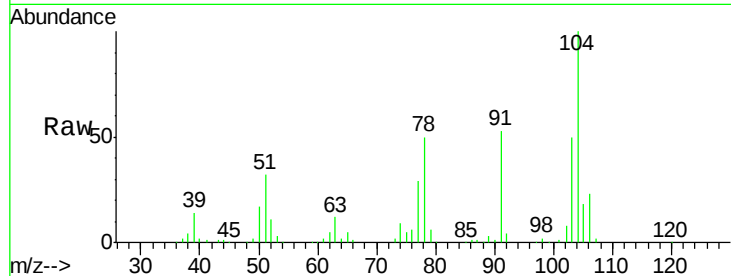
#69
Stvrene
Concen: 17.317 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064034.D
Acq: 9 Oct 2020 13:36

Instrument :
MSVOA_N
ClientSampleId :
VN1009WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
104	100		151448		
78	55.7	39.6	59.4		
103	55.7	44.4	66.6		

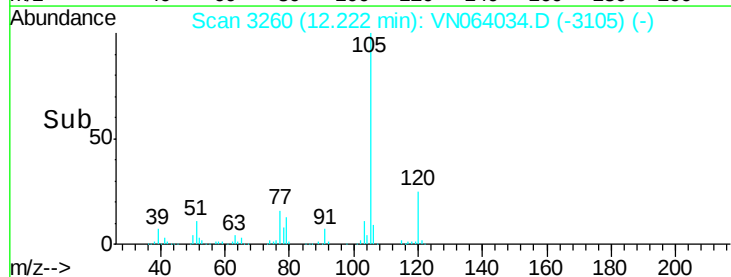
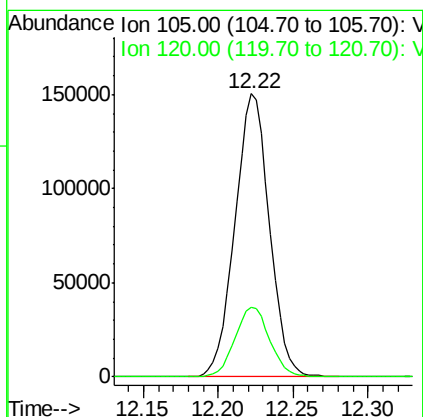
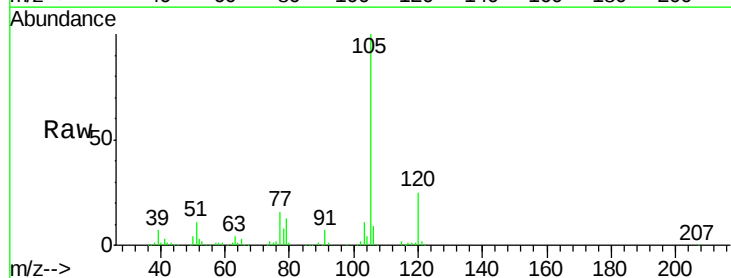
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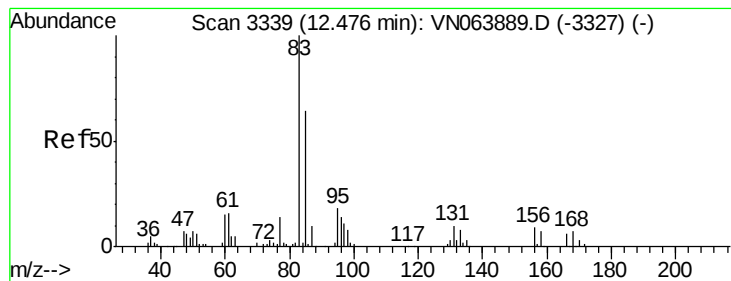
MMDadoda
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#70
Isopropylbenzene
Concen: 17.703 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. -0.00 min
Lab File: VN064034.D
Acq: 9 Oct 2020 13:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		241109		
120	24.8	18.5	34.3		





#71

1,1,2,2-Tetrachloroethane

Concen: 17.025 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN064034.D

Acq: 9 Oct 2020 13:36

Instrument :

MSVOA_N

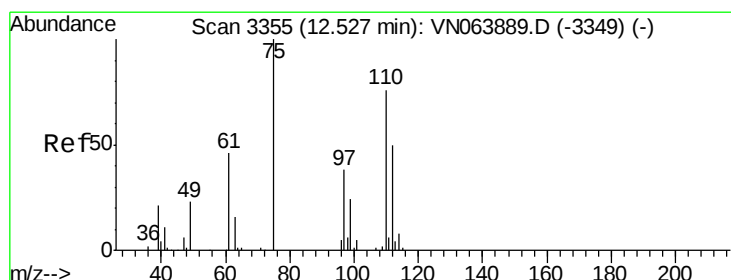
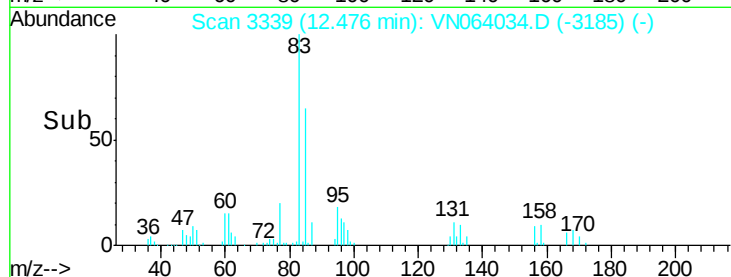
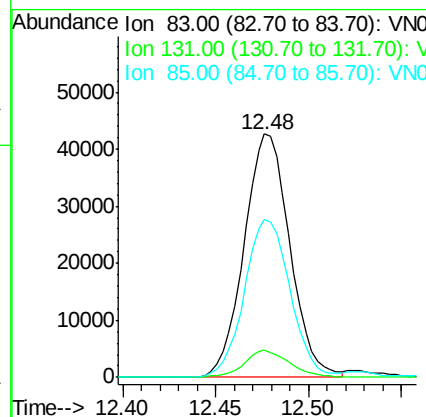
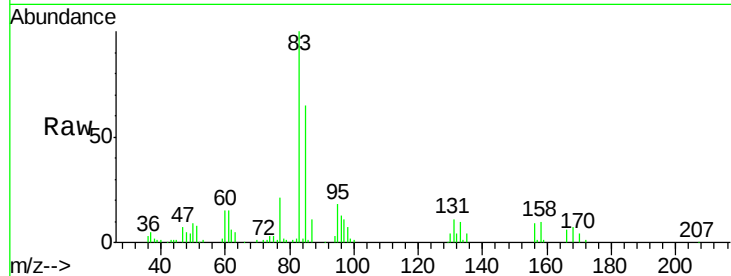
ClientSampleId :

VN1009WBS01

Tot Ion:	83	Resp:	73294
Ion	Ratio	Lower	Upper
83	100		
131	10.9	4.5	13.7
85	64.8	31.8	95.3

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#72

1,2,3-Trichloropropane

Concen: 15.778 ug/l m

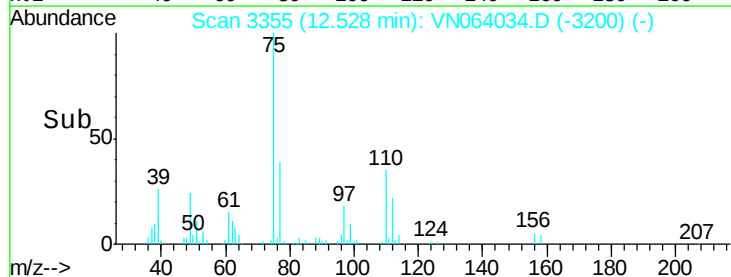
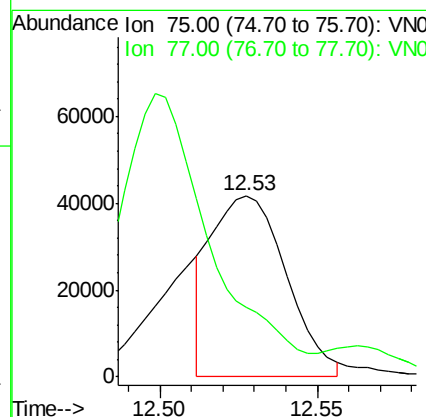
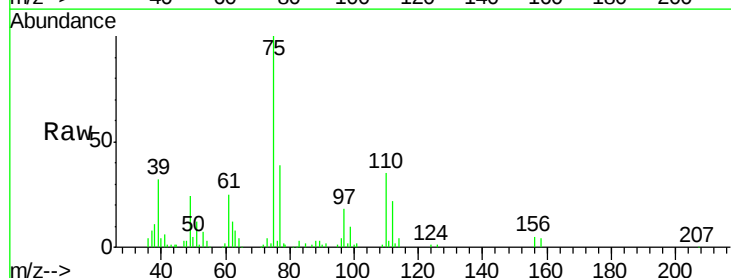
RT: 12.53 min Scan# 3355

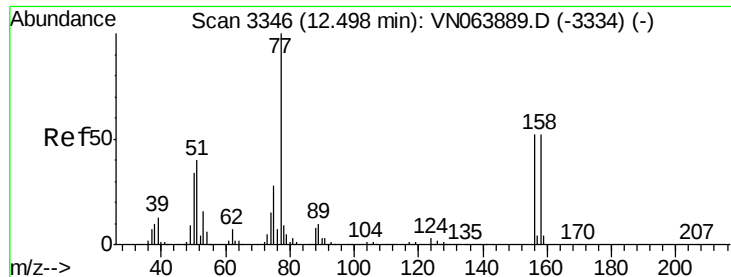
Delta R.T. -0.00 min

Lab File: VN064034.D

Acq: 9 Oct 2020 13:36

Tgt Ion:	75	Resp:	69261
Ion	Ratio	Lower	Upper
75	100		
77	193.2	0.0	387.8





#73

Bromobenzene

Concen: 16.921 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VN064034.D

Acq: 9 Oct 2020 13:36

Instrument :

MSVOA_N

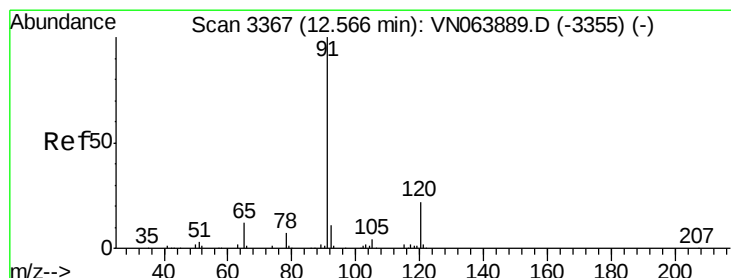
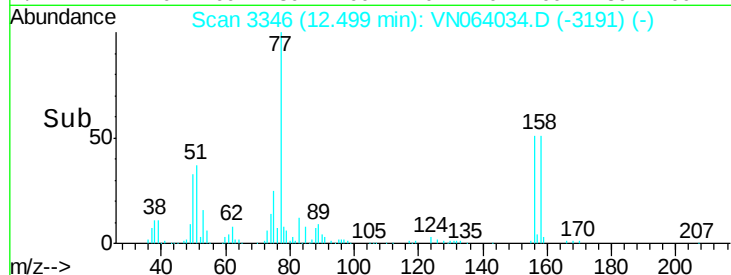
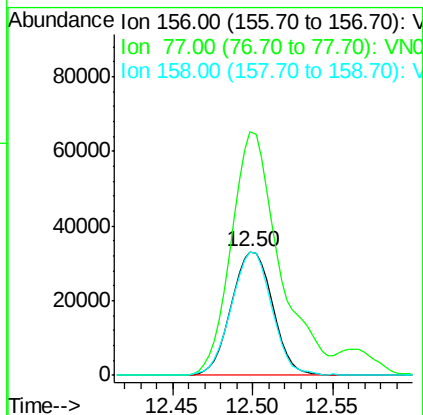
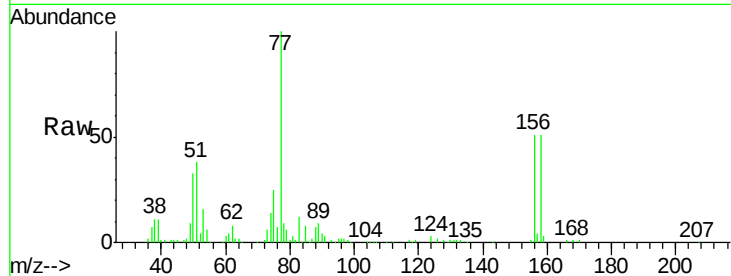
ClientSampleId :

VN1009WBS01

Tot Ion:	156	Resp:	58410
Ion Ratio	Lower	Upper	
156	100		
77	229.1	0.0	398.6
158	97.6	0.0	195.4

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#74

n-propylbenzene

Concen: 17.699 ug/l

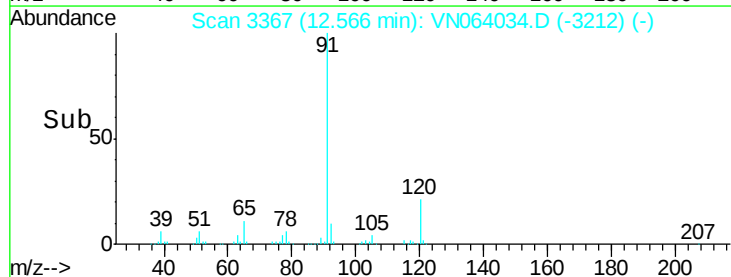
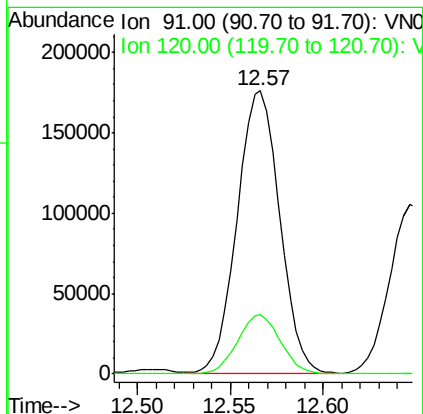
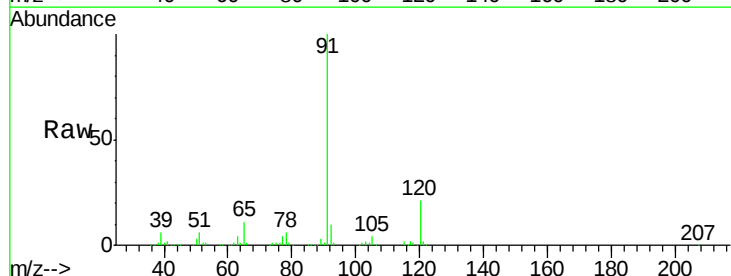
RT: 12.57 min Scan# 3367

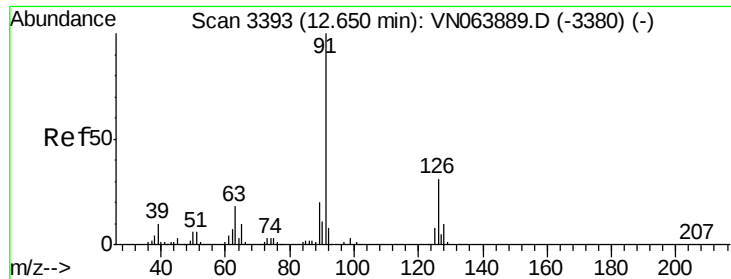
Delta R.T. -0.00 min

Lab File: VN064034.D

Acq: 9 Oct 2020 13:36

Tgt Ion:	91	Resp:	281784
Ion Ratio	Lower	Upper	
91	100		
120	20.8	0.0	44.0





#75

2-Chlorotoluene

Concen: 18.158 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064034.D

Acq: 9 Oct 2020 13:36

Instrument :

MSVOA_N

ClientSampleId :

VN1009WBS01

Tot Ion: 91 Resp: 176343

Ion Ratio Lower Upper

91 100

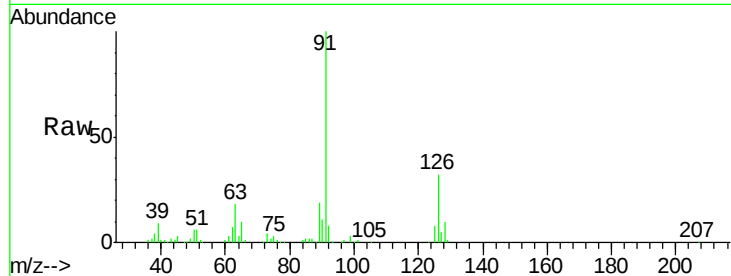
126 31.7 0.0 68.0

Manual Integrations

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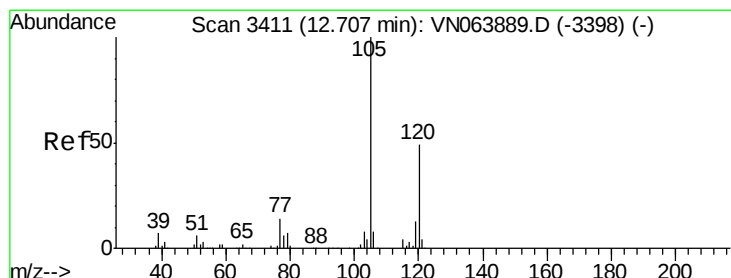
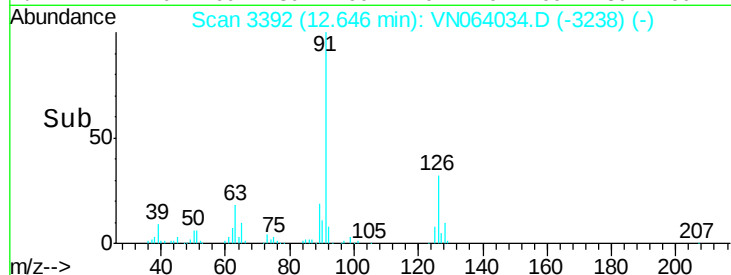
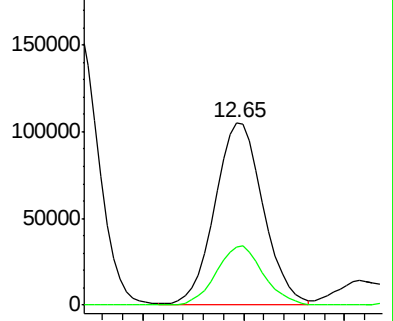
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VN063889.D (-3380) (-)

Ion 126.00 (125.70 to 126.70): VN063889.D (-3380) (-)



#76

1,3,5-Trimethylbenzene

Concen: 17.531 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN064034.D

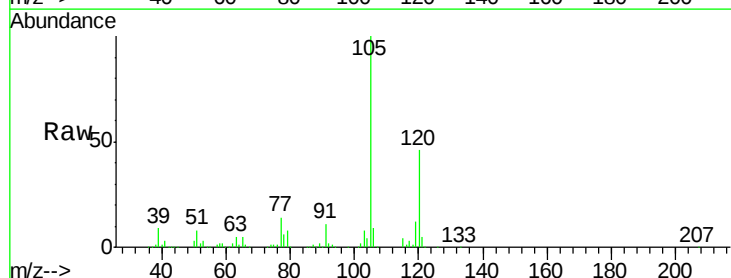
Acq: 9 Oct 2020 13:36

Tgt Ion: 105 Resp: 201351

Ion Ratio Lower Upper

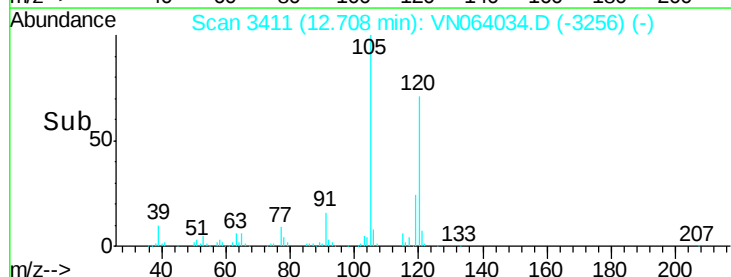
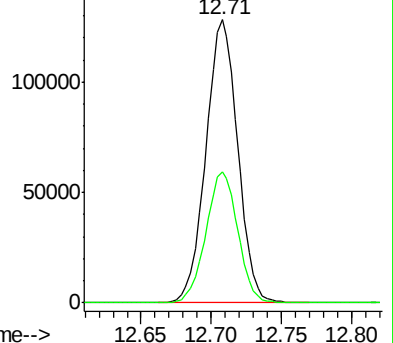
105 100

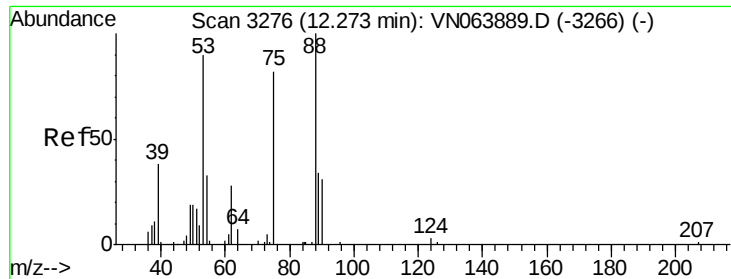
120 46.7 0.0 95.0



Abundance Ion 105.00 (104.70 to 105.70): VN063889.D (-3398) (-)

Ion 120.00 (119.70 to 120.70): VN063889.D (-3398) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 15.209 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. -0.00 min

Lab File: VN064034.D

Acq: 9 Oct 2020 13:36

Instrument :

MSVOA_N

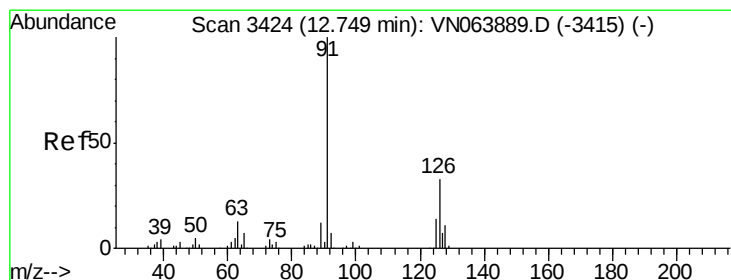
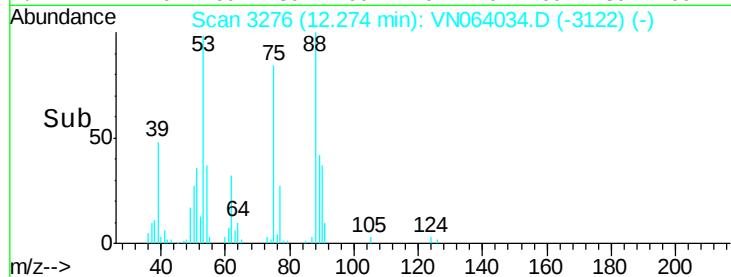
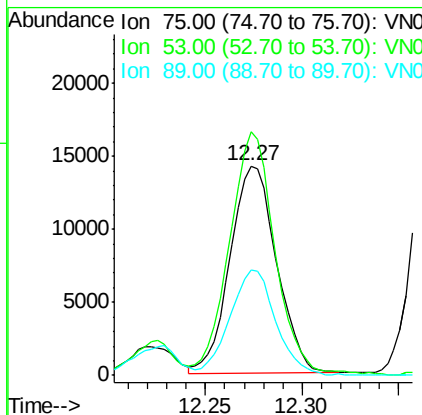
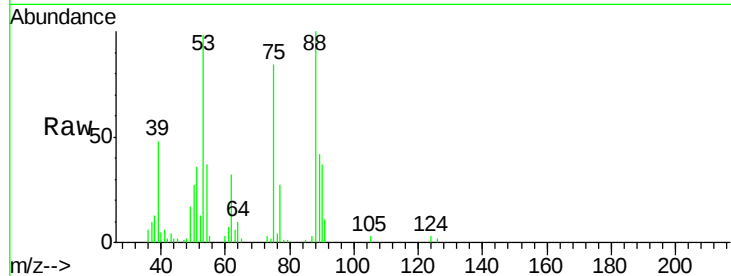
ClientSampleId :

VN1009WBS01

Tot Ion:	75	Resp:	23747
Ion	Ratio	Lower	Upper
75	100		
53	116.2	47.0	141.0
89	50.0	22.9	68.7

Manual Integrations
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#78

4-Chlorotoluene

Concen: 17.854 ug/l

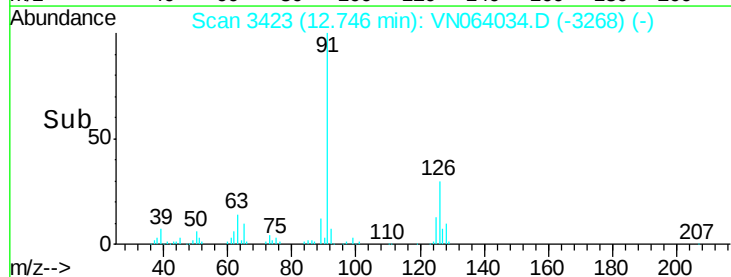
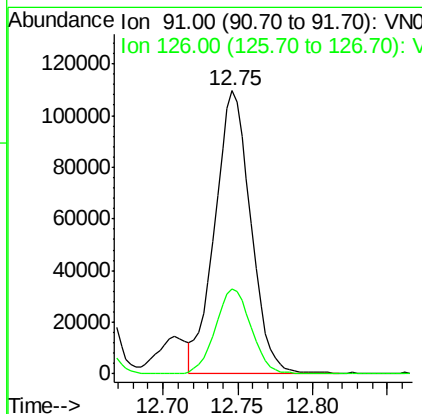
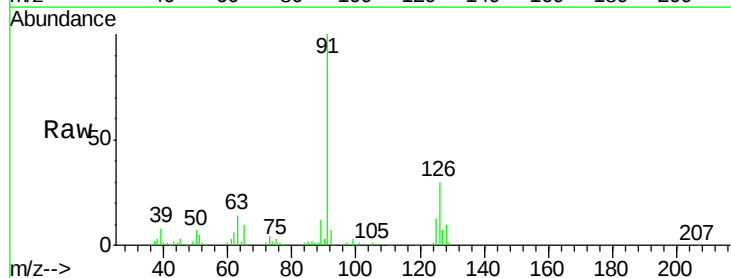
RT: 12.75 min Scan# 3423

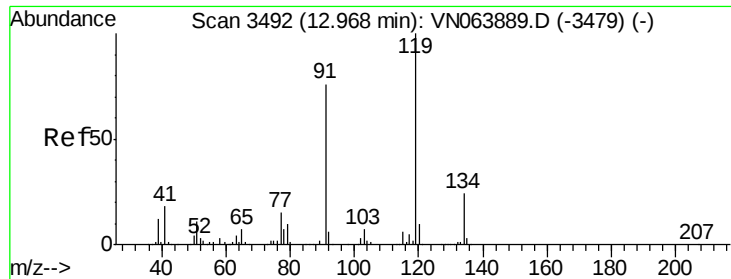
Delta R.T. -0.00 min

Lab File: VN064034.D

Acq: 9 Oct 2020 13:36

Tgt Ion:	91	Resp:	183606
Ion	Ratio	Lower	Upper
91	100		
126	29.9	0.0	65.0





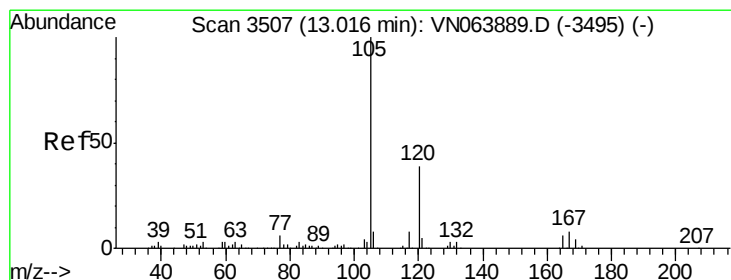
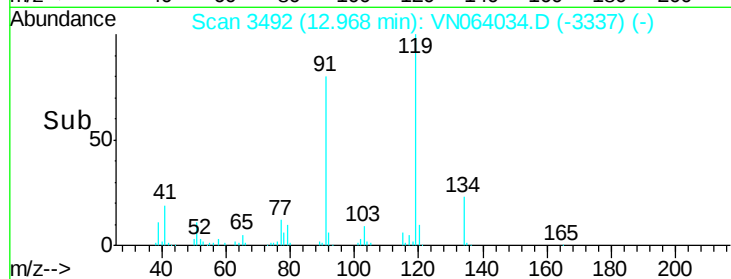
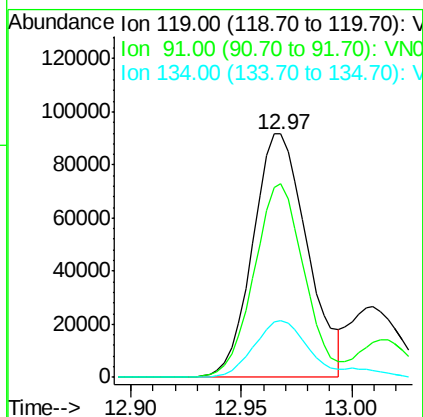
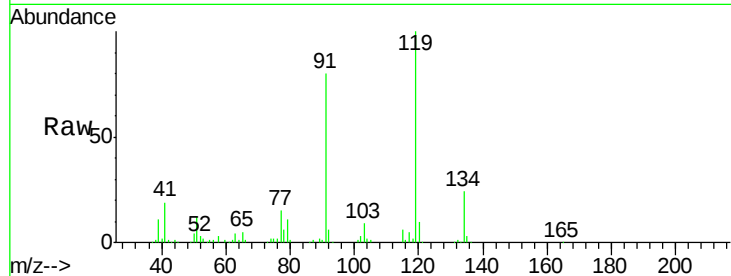
#79
tert-butylbenzene
Concen: 17.112 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. -0.00 min
Lab File: VN064034.D
Acq: 9 Oct 2020 13:36

Instrument :
MSVOA_N
ClientSampleId :
VN1009WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	157448		
91	72.7	0.0	136.8	
134	22.8	0.0	48.8	

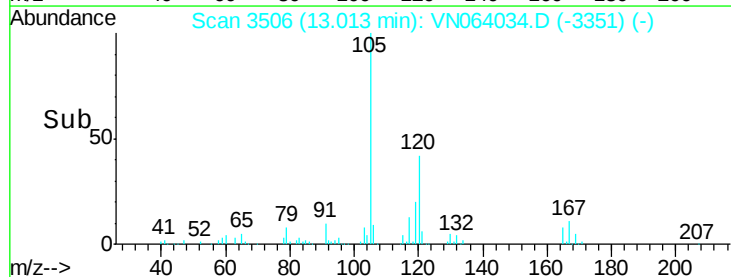
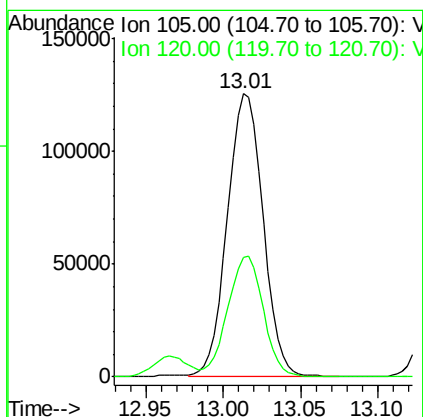
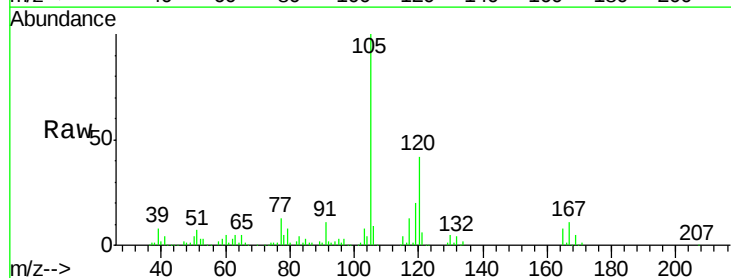
Manual Integrations
APPROVED

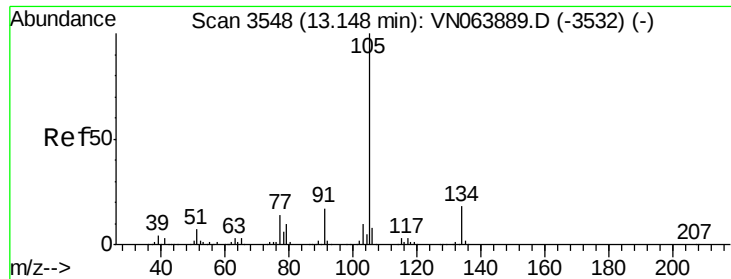
MMDadoda
10/12/2020 2:10:06 PM



#80
1,2,4-Trimethylbenzene
Concen: 17.422 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN064034.D
Acq: 9 Oct 2020 13:36

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	200585		
120	42.8	0.0	90.4	





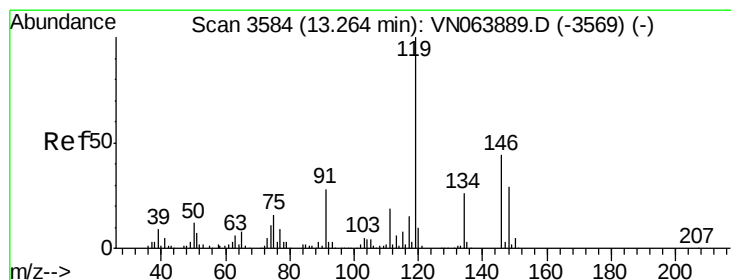
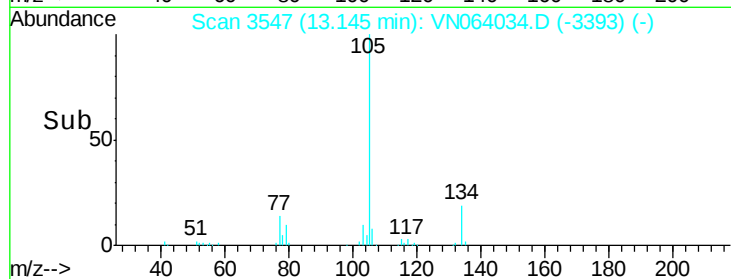
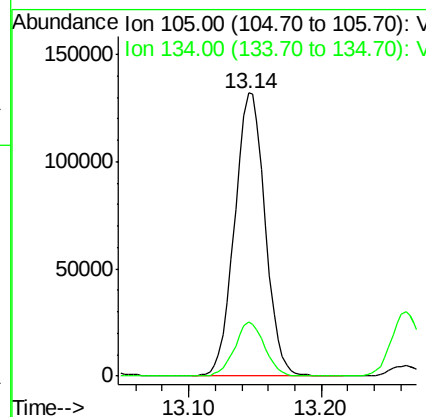
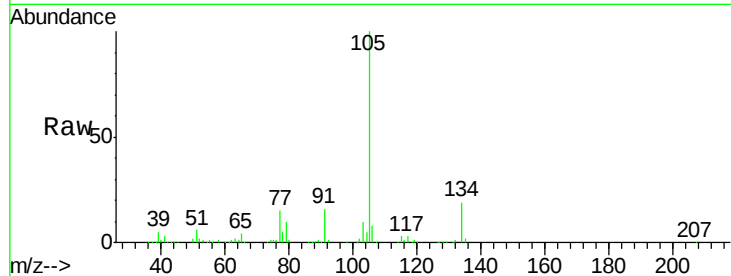
#81
 sec-Butylbenzene
 Concen: 17.402 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN064034.D
 Acq: 9 Oct 2020 13:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1009WBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	210452		
134	18.8	0.0	39.4	

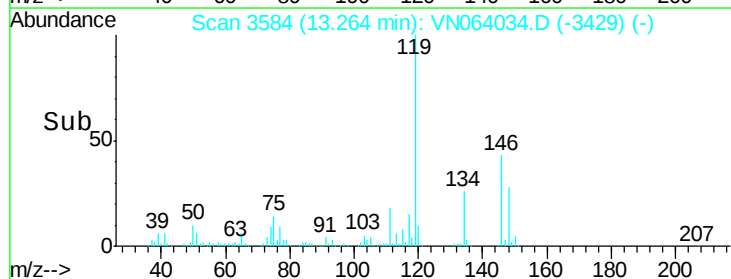
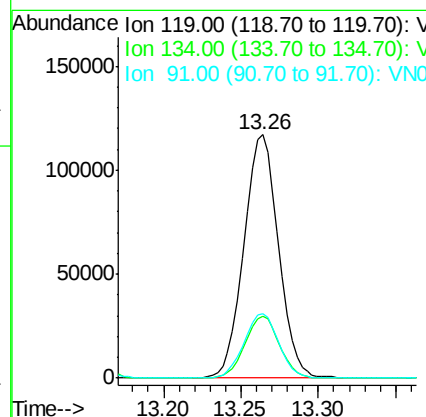
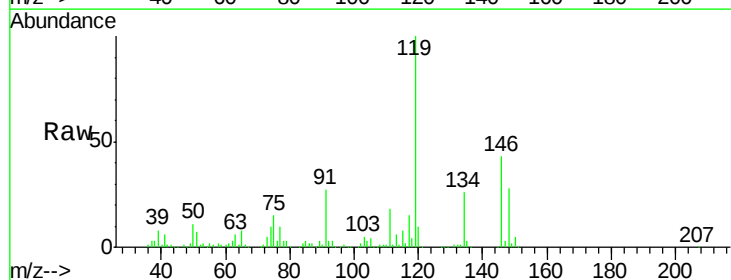
Manual Integrations
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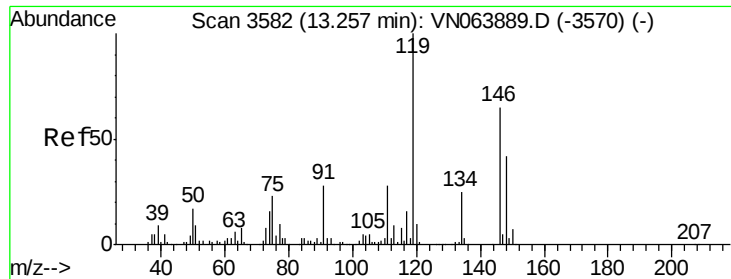
MMDadoda
 10/12/2020 2:10:06 PM



#82
 p-Isopropyltoluene
 Concen: 16.689 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. -0.00 min
 Lab File: VN064034.D
 Acq: 9 Oct 2020 13:36

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	182428		
134	25.3	0.0	52.2	
91	26.8	0.0	46.2	





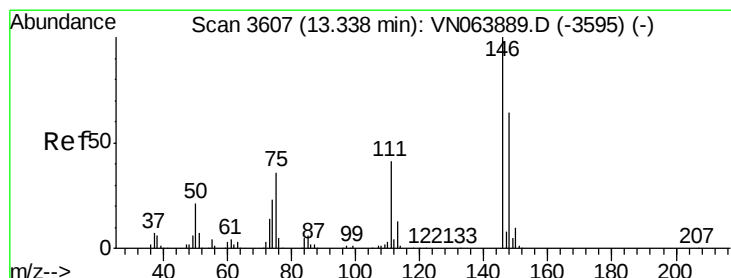
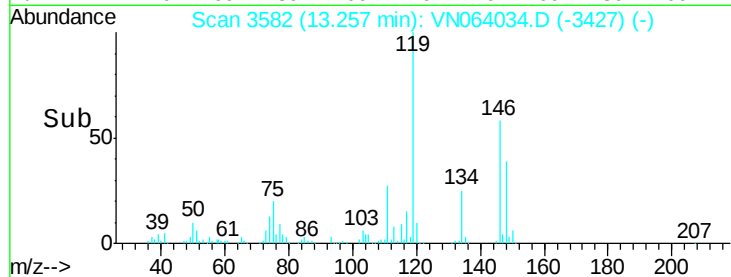
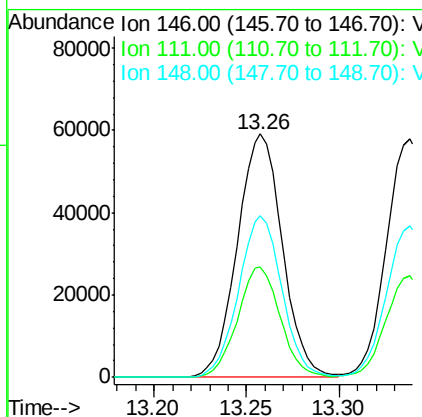
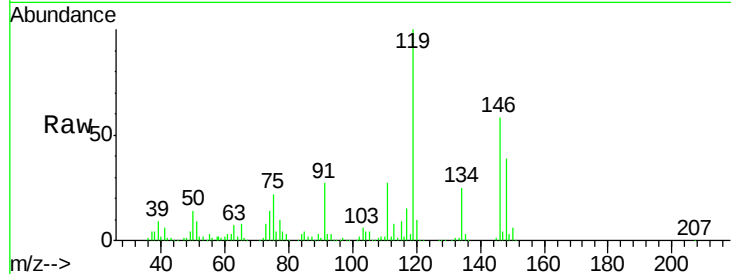
#83
 1,3-Dichlorobenzene
 Concen: 16.264 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN064034.D
 Acq: 9 Oct 2020 13:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1009WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.1	19.4	58.1
148	64.1	31.5	94.5

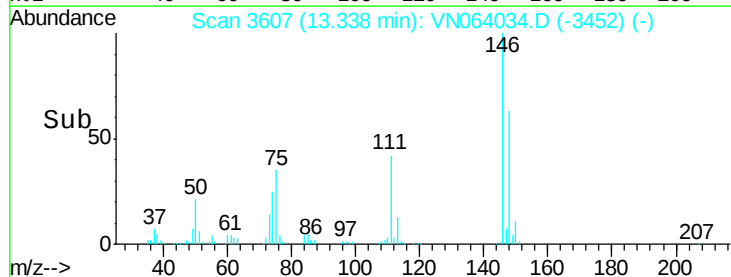
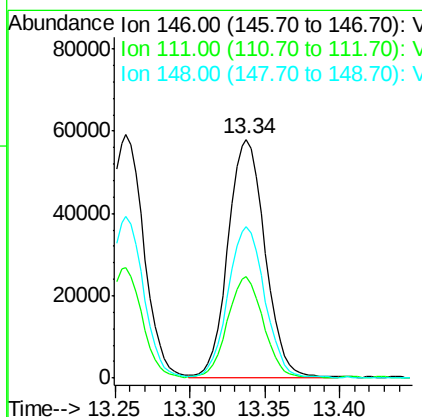
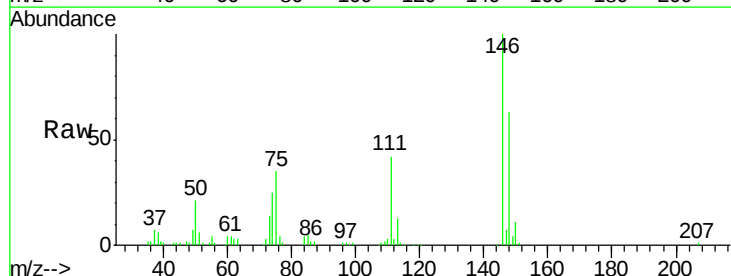
Manual Integrations
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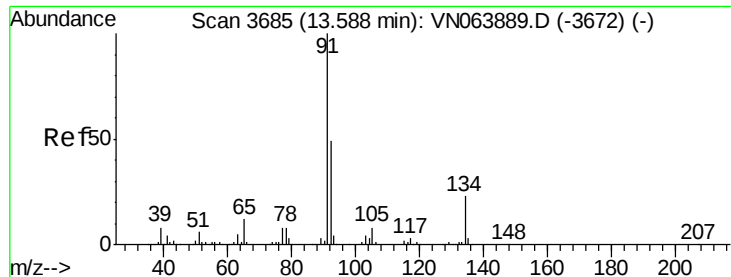
MMDadoda
 10/12/2020 2:10:06 PM



#84
 1,4-Dichlorobenzene
 Concen: 16.488 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN064034.D
 Acq: 9 Oct 2020 13:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.4	18.6	55.8
148	62.0	31.6	94.8





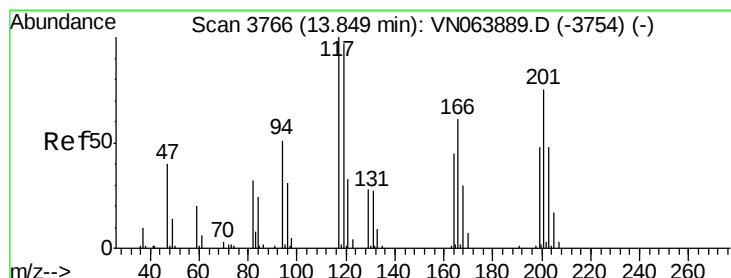
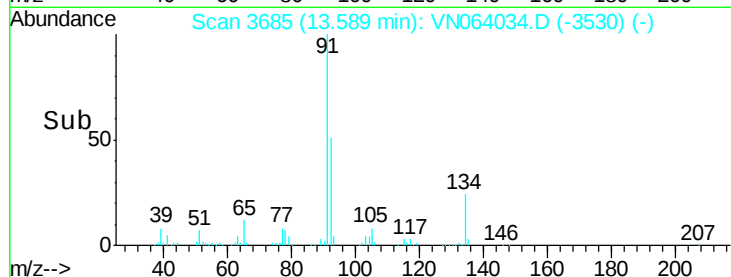
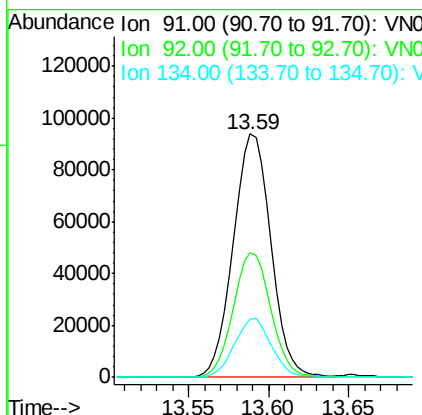
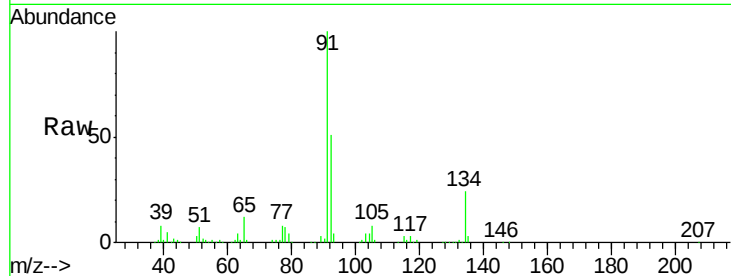
#85
n-Butylbenzene
Concen: 15.734 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN064034.D
Acq: 9 Oct 2020 13:36

Instrument :
MSVOA_N
ClientSampleId :
VN1009WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	150470		
92	51.0		0.0	100.6
134	23.7		0.0	47.4

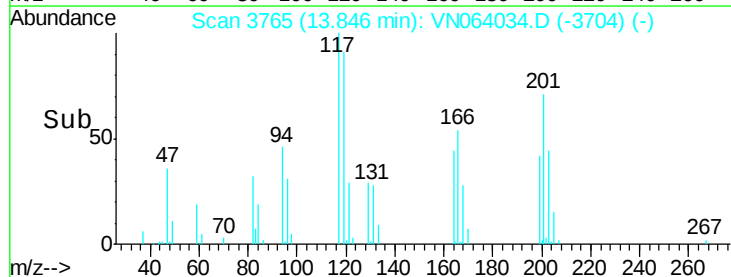
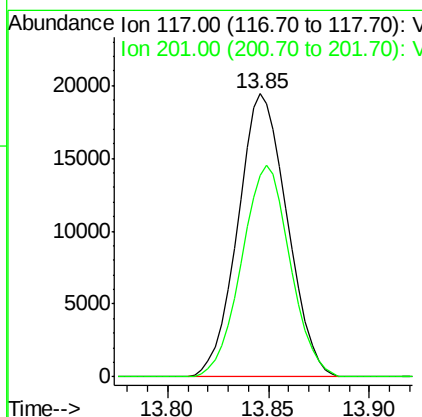
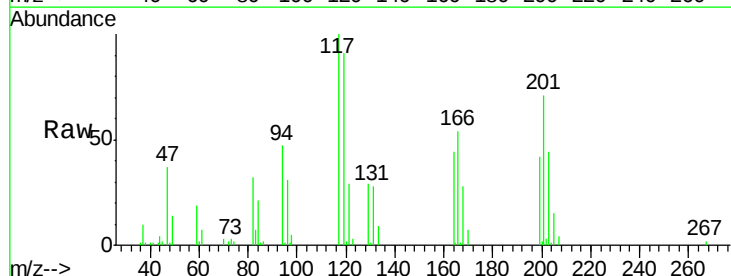
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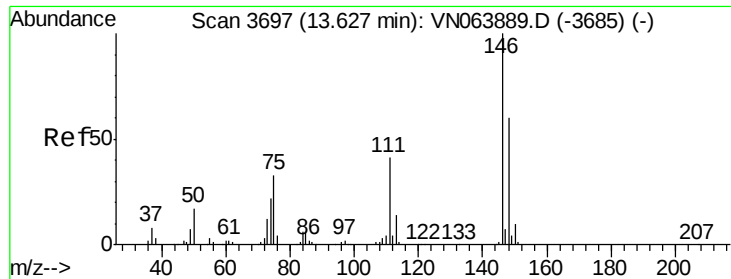
MMDadoda
10/12/2020 2:10:06 PM



#86
Hexachloroethane
Concen: 17.652 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN064034.D
Acq: 9 Oct 2020 13:36

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	33253		
201	73.3		46.1	138.3





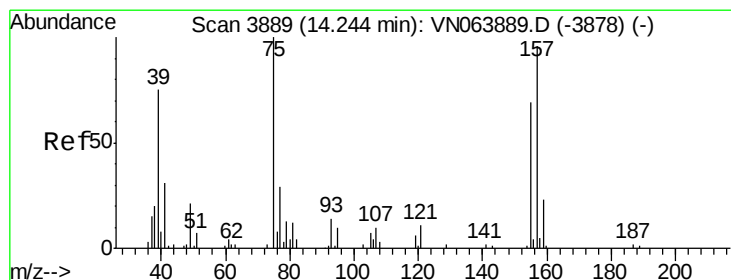
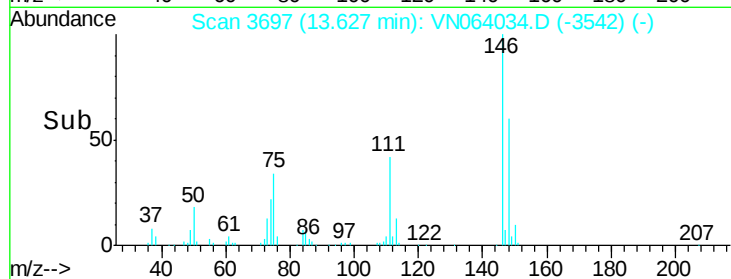
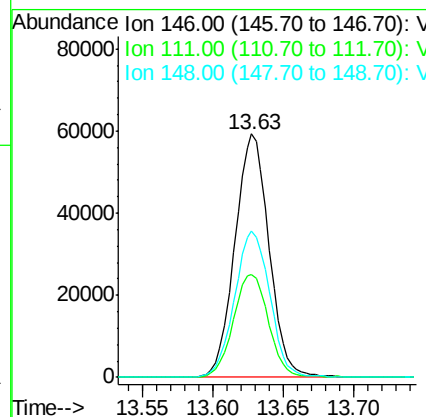
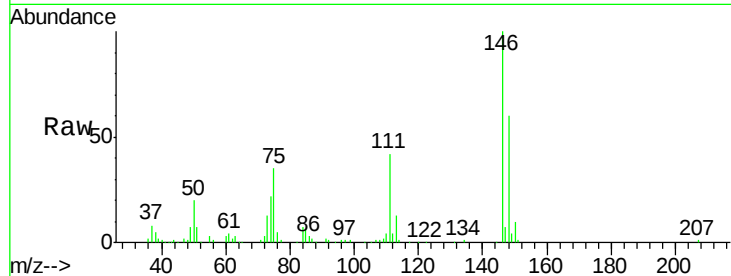
#87
 1,2-Dichlorobenzene
 Concen: 16.708 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN064034.D
 Acq: 9 Oct 2020 13:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1009WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	19.1	57.3
148	62.1	31.8	95.4

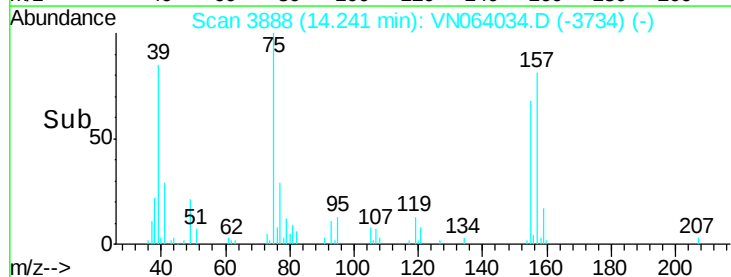
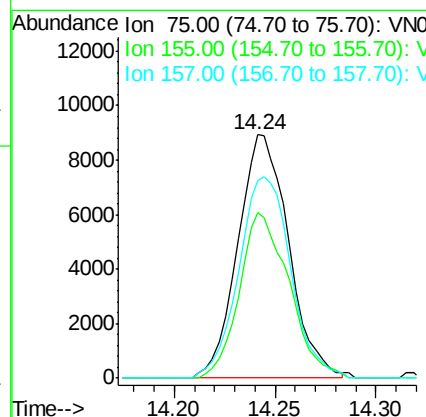
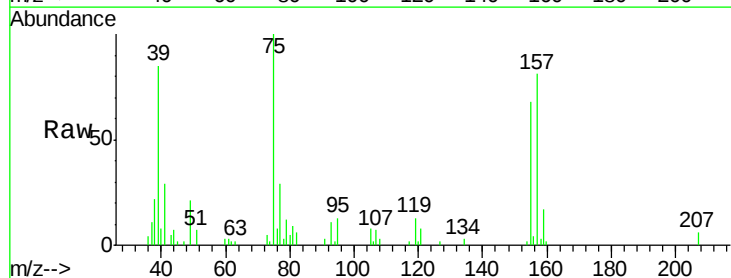
Manual Integrations
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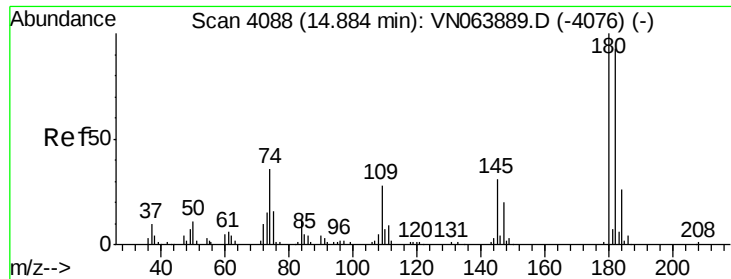
MMDadoda
 10/12/2020 2:10:06 PM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 15.264 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN064034.D
 Acq: 9 Oct 2020 13:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	66.7	64.8	97.2
157	84.8	81.2	121.8





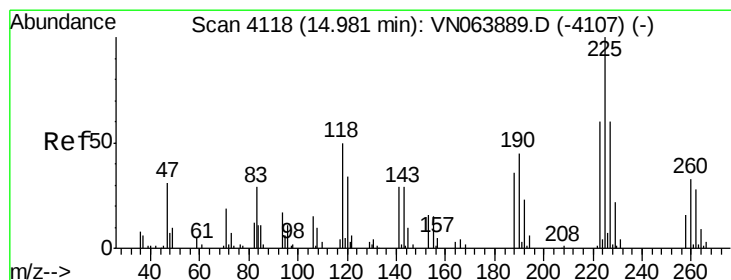
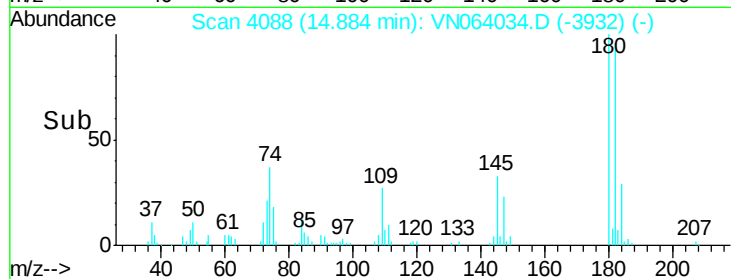
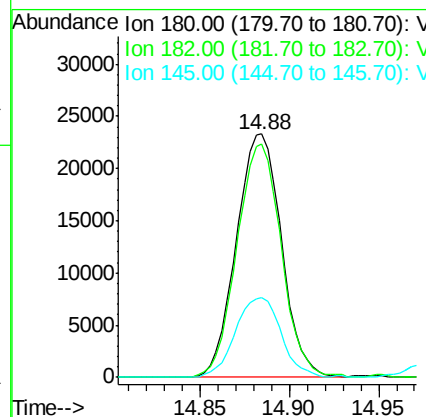
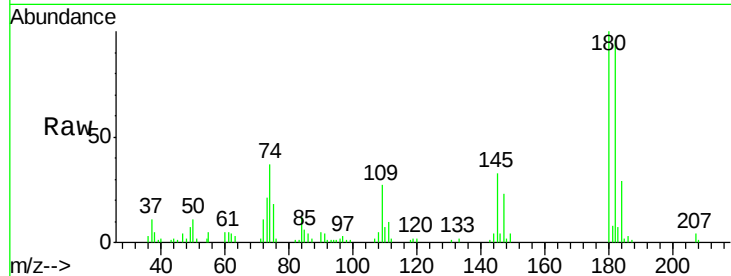
#89
1,2,4-Trichlorobenzene
Concen: 13.390 ug/l
RT: 14.88 min Scan# 4088
Delta R.T. 0.00 min
Lab File: VN064034.D
Acq: 9 Oct 2020 13:36

Instrument :
MSVOA_N
ClientSampleId :
VN1009WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.1	76.9	115.3
145	33.2	21.9	32.9#

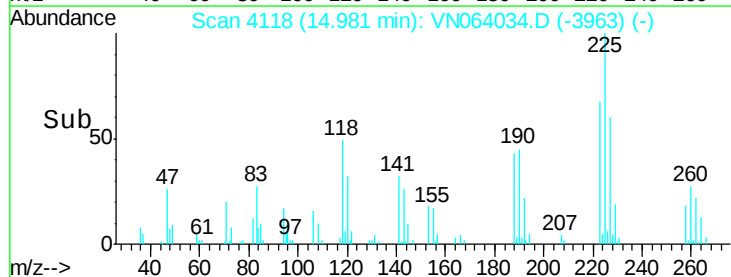
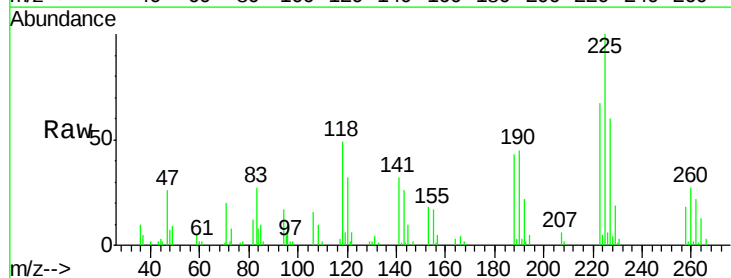
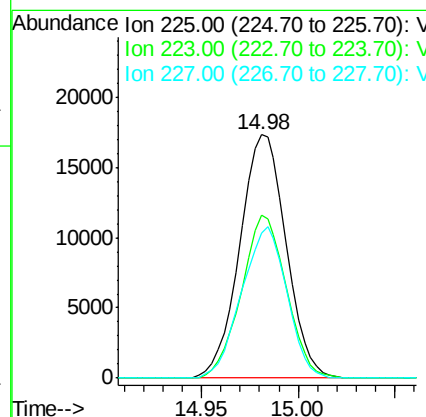
Manual Integrations
APPROVED

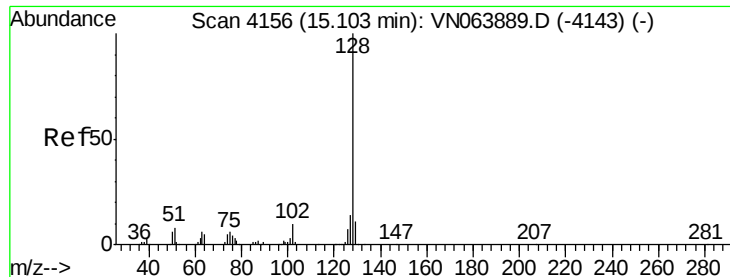
MMDadoda
10/12/2020 2:10:06 PM



#90
Hexachlorobutadiene
Concen: 17.816 ug/l
RT: 14.98 min Scan# 4118
Delta R.T. -0.00 min
Lab File: VN064034.D
Acq: 9 Oct 2020 13:36

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.0	0.0	122.8
227	60.6	0.0	125.6





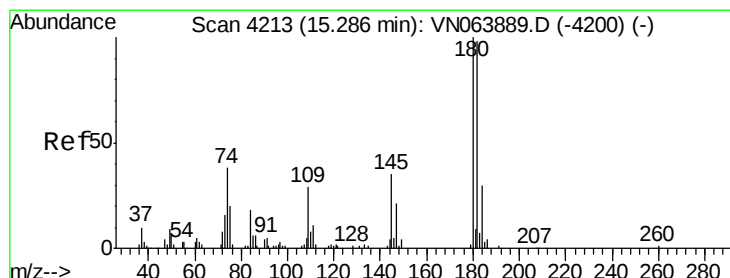
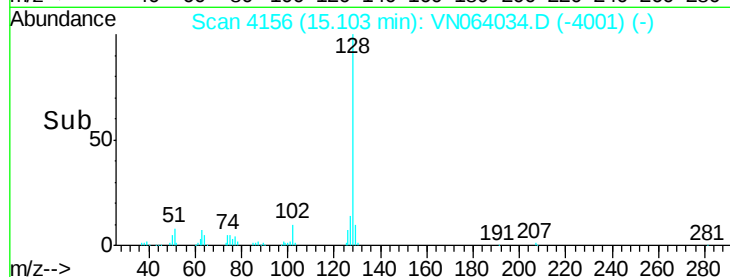
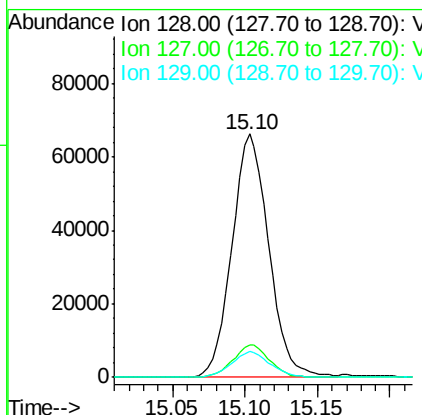
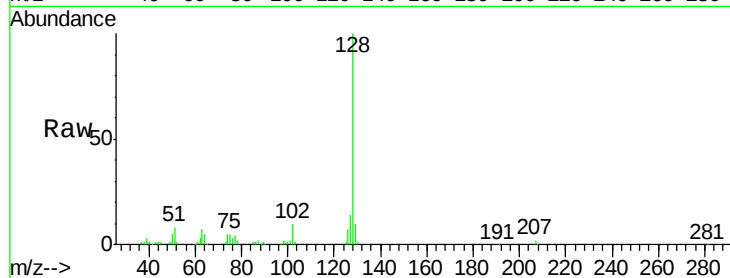
#91
Naphthalene
Concen: 12.482 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. -0.00 min
Lab File: VN064034.D
Acq: 9 Oct 2020 13:36

Instrument :
MSVOA_N
ClientSampleId :
VN1009WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	11.1	16.7
129	10.9	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
10/12/2020 2:10:06 PM



#92
1,2,3-Trichlorobenzene
Concen: 13.822 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN064034.D
Acq: 9 Oct 2020 13:36

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	0.0	188.0
145	34.3	0.0	62.0

